

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071624AR\
 Data File : FD048029.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2024 06:09
 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 07/17/2024
 Supervised By :Ankita Jodhani 07/17/2024

Integration File: autoint1.e
 Quant Time: Jul 17 06:46:14 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...	7.408	3122796	21.011 ug/ml
Spiked Amount 50.000		Recovery =	42.02%
6) S 2-Fluorobiphenyl (SURR)	8.260	2079019	21.968 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.94%
11) S ortho-Terphenyl (SURR)	11.298	3497707	20.904 ug/ml
Spiked Amount 50.000		Recovery =	41.81%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.226	3539980	21.140 ug/mlm
2) T Naphthalene (C11.7)	5.747	3660947	21.184 ug/mlm
3) T 2-Methylnaphthalene (...)	6.796	3697602	21.315 ug/ml
5) T Acenaphthylene (C15.06)	8.063	3591773	20.959 ug/ml
7) T Acenaphthene (C15.5)	8.357	3655100	21.070 ug/ml
8) T Flouorene (C16.55)	9.136	3511193	21.618 ug/ml
9) T Phenanthrene (C19.36)	10.524	3394195	21.372 ug/ml
10) T Anthracene (C19.43)	10.599	3002249	19.014 ug/ml
12) T Fluoranthene (C21.85)	12.329	3411504	21.547 ug/ml
13) T Pyrene (C20.8)	12.622	3366241	21.288 ug/ml
14) T Benzo[a]anthracene (C...	14.491	3063303	22.437 ug/ml
15) T Chrysene (C27.41)	14.533	3351487	20.790 ug/ml
16) T benzo[b]fluoranthene ...	16.039	3106945	21.586 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.070	3111062	20.830 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	3110870	21.964 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.777	2739869	24.293 ug/ml
20) T Dibenz[a,h]anthracene...	17.818	3372234	23.203 ug/ml
21) T Benzo[g,h,i]perylene ...	18.028	3171636	21.522 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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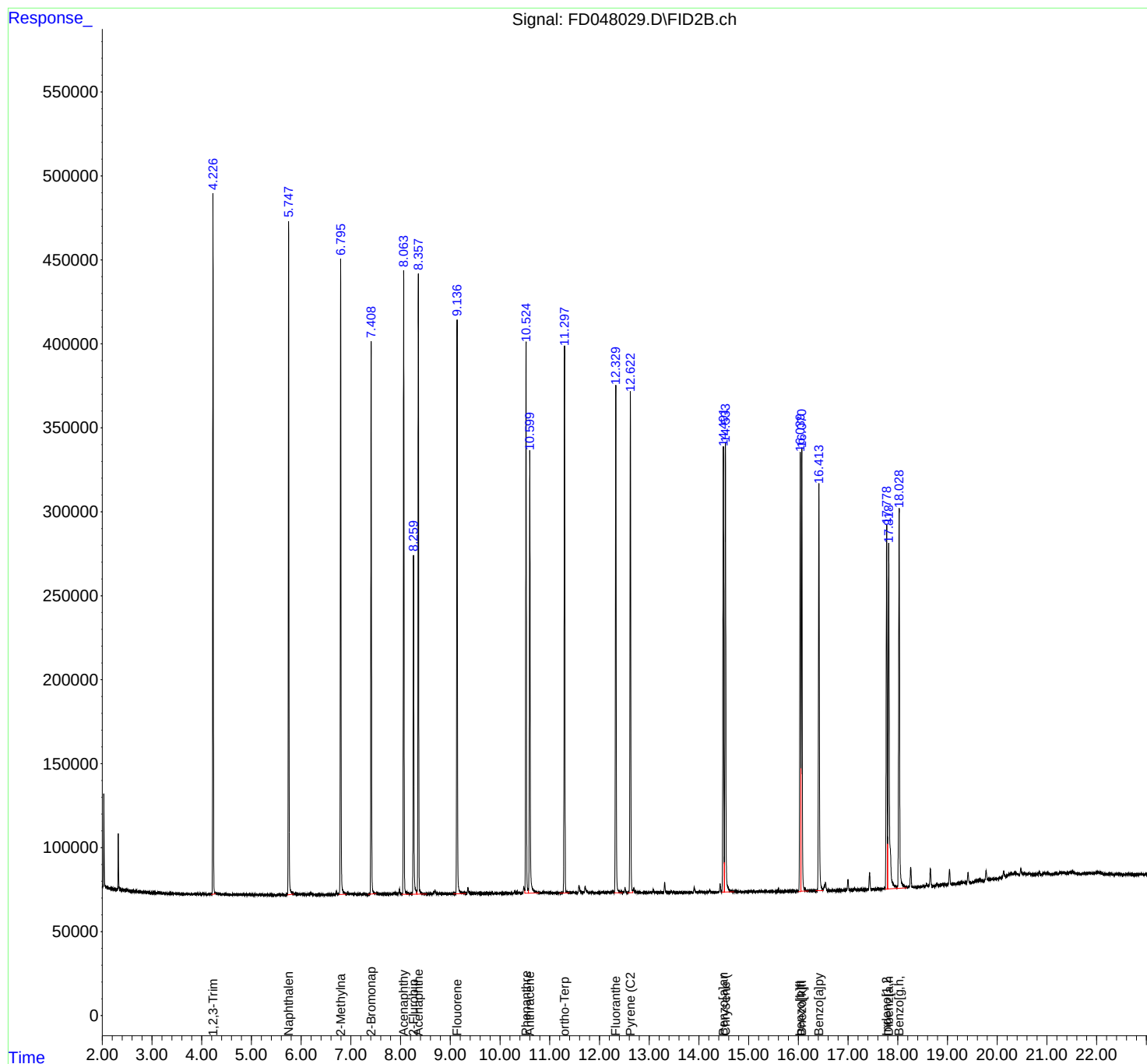
Instrument :
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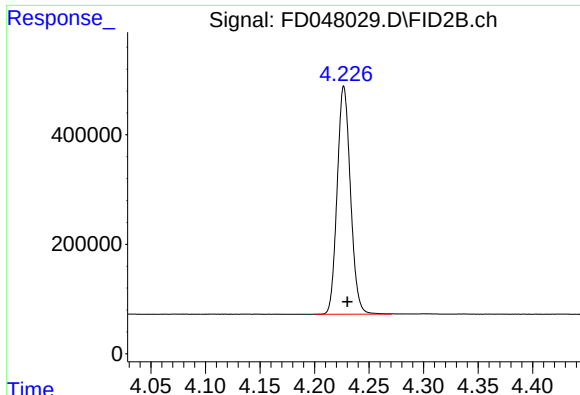
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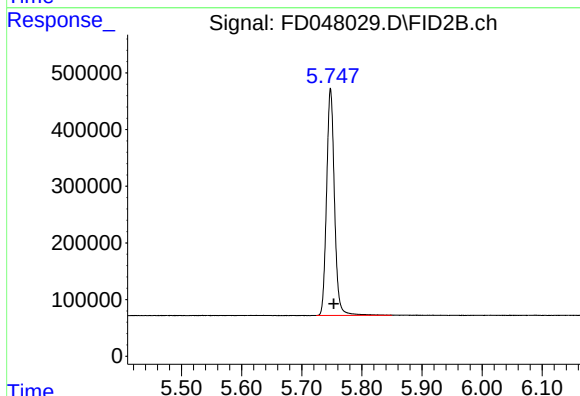
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.226 min
Delta R.T.: -0.004 min
Response: 3539980
Conc: 21.14 ug/ml

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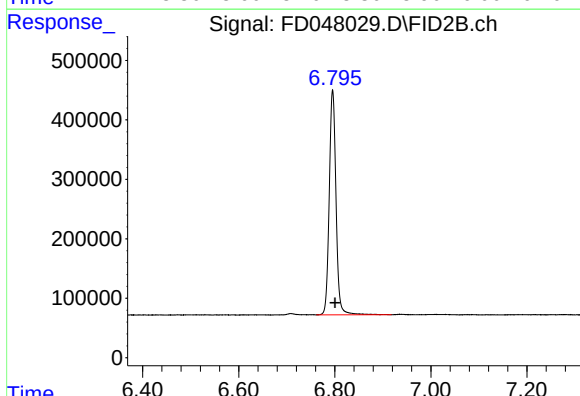
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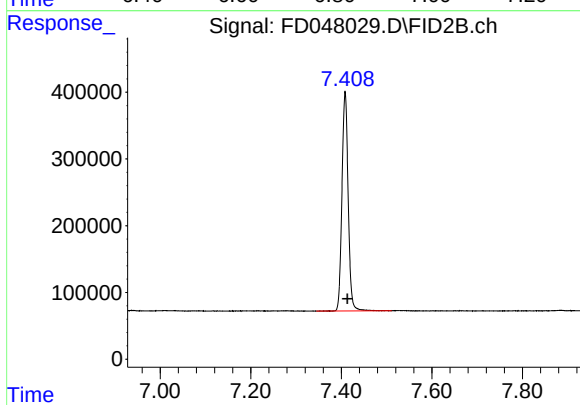
#2 Naphthalene (C11.7)

R.T.: 5.747 min
Delta R.T.: -0.006 min
Response: 3660947
Conc: 21.18 ug/ml m



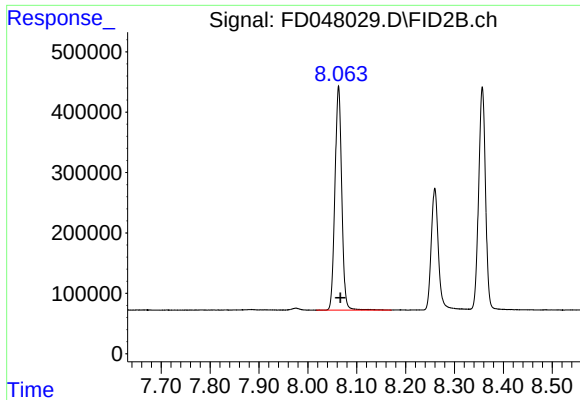
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.796 min
Delta R.T.: -0.005 min
Response: 3697602
Conc: 21.32 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.408 min
Delta R.T.: -0.005 min
Response: 3122796
Conc: 21.01 ug/ml



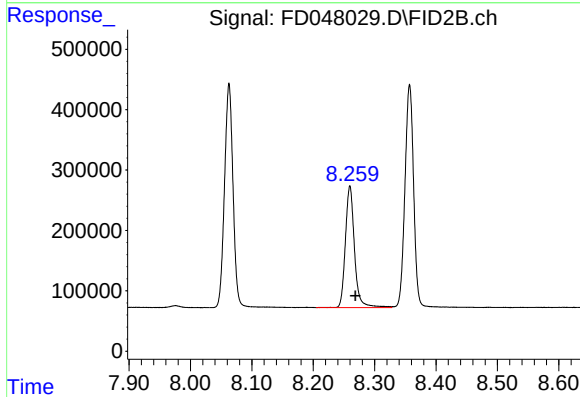
#5 Acenaphthylene (C15.06)

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 3591773
Conc: 20.96 ug/ml

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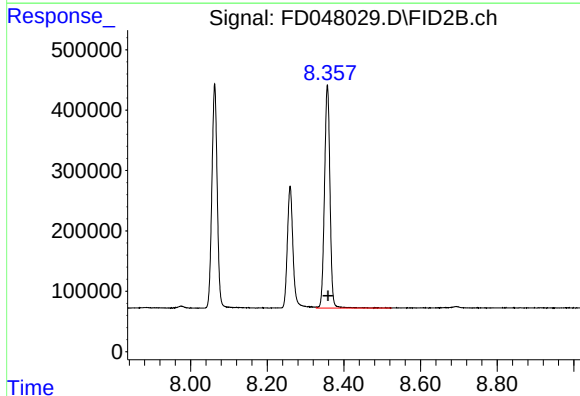
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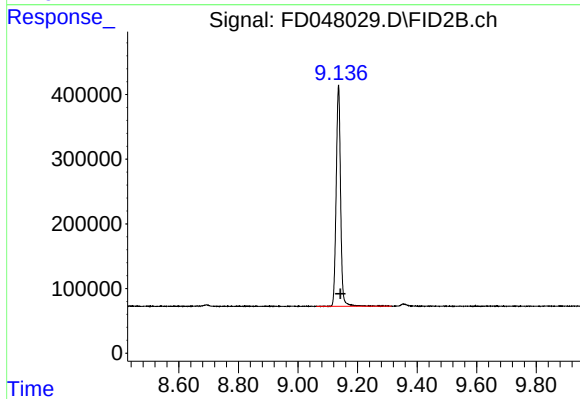
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.260 min
Delta R.T.: -0.009 min
Response: 2079019
Conc: 21.97 ug/ml



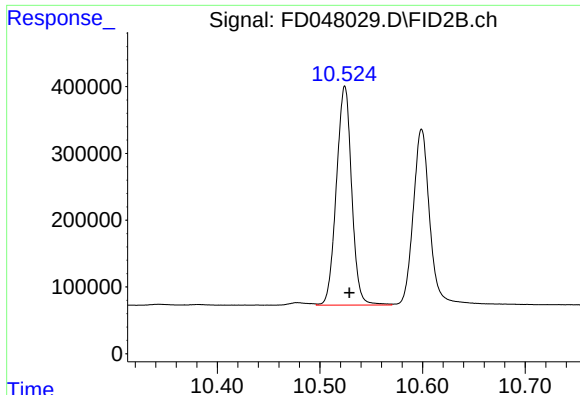
#7 Acenaphthene (C15.5)

R.T.: 8.357 min
Delta R.T.: -0.002 min
Response: 3655100
Conc: 21.07 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.136 min
Delta R.T.: -0.006 min
Response: 3511193
Conc: 21.62 ug/ml



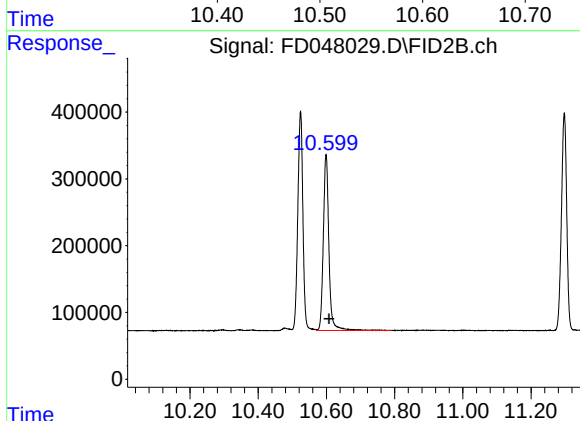
#9 Phenanthrene (C19.36)

R.T.: 10.524 min
Delta R.T.: -0.005 min
Response: 3394195
Conc: 21.37 ug/ml

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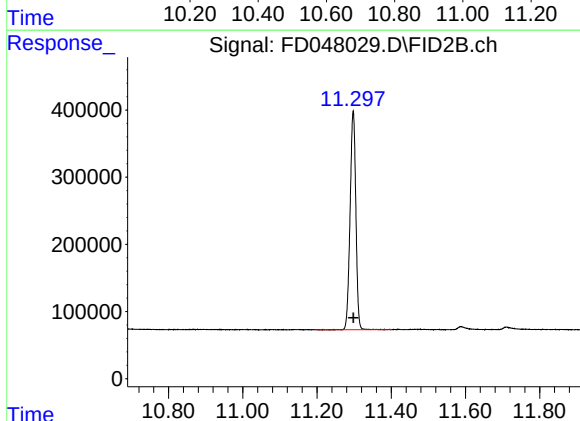
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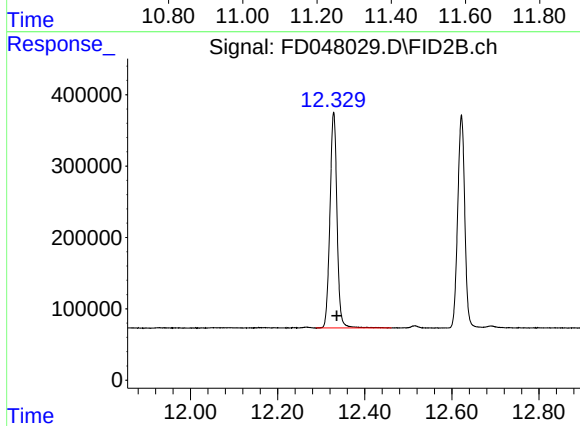
#10 Anthracene (C19.43)

R.T.: 10.599 min
Delta R.T.: -0.008 min
Response: 3002249
Conc: 19.01 ug/ml



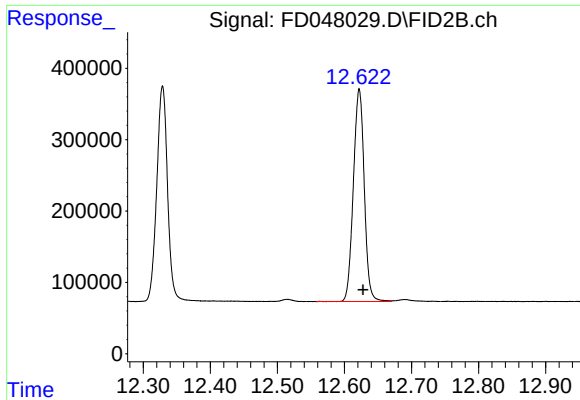
#11 ortho-Terphenyl (SURR)

R.T.: 11.298 min
Delta R.T.: 0.000 min
Response: 3497707
Conc: 20.90 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.329 min
Delta R.T.: -0.007 min
Response: 3411504
Conc: 21.55 ug/ml



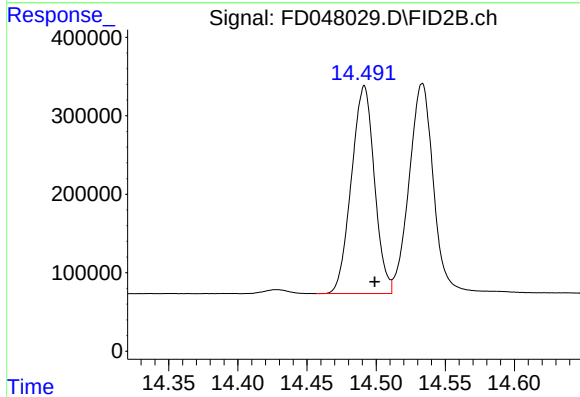
#13 Pyrene (C20.8)

R.T.: 12.622 min
Delta R.T.: -0.006 min
Response: 3366241
Conc: 21.29 ug/ml

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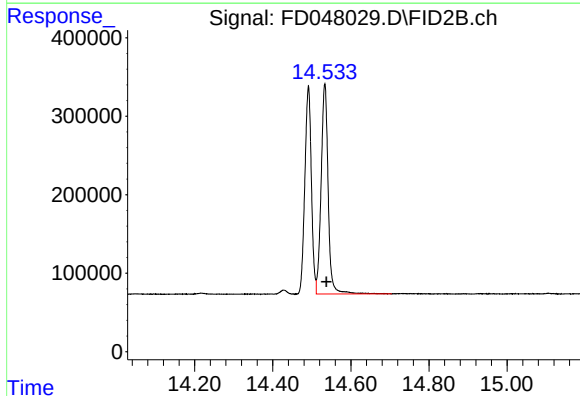
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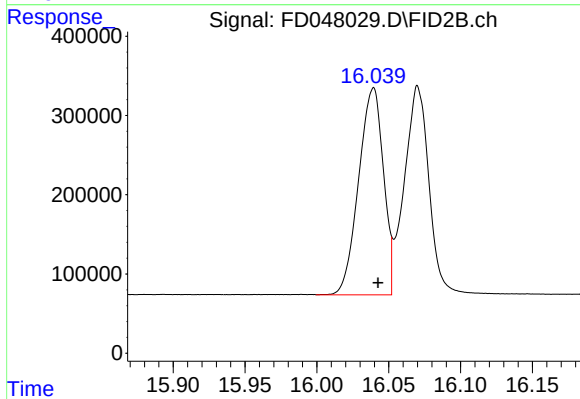
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.491 min
Delta R.T.: -0.008 min
Response: 3063303
Conc: 22.44 ug/ml



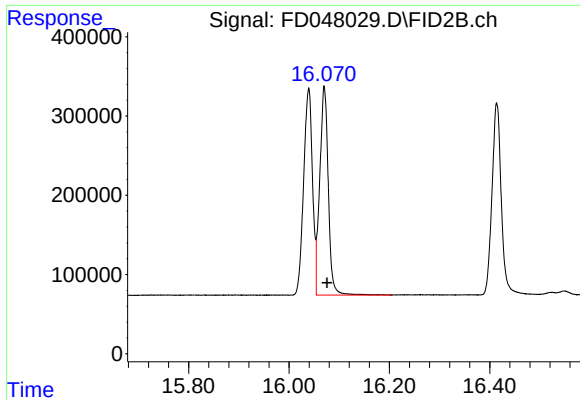
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: -0.004 min
Response: 3351487
Conc: 20.79 ug/ml



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

R.T.: 16.039 min
Delta R.T.: -0.003 min
Response: 3106945
Conc: 21.59 ug/ml m



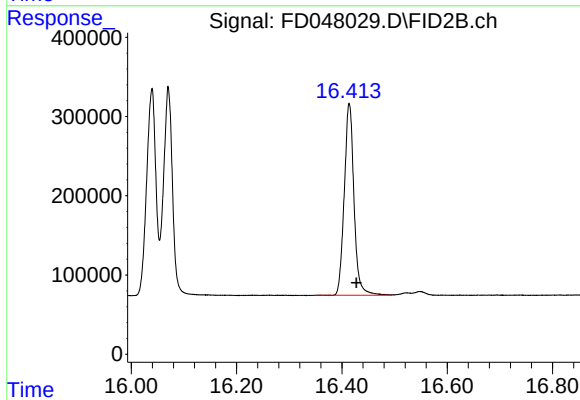
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.070 min
Delta R.T.: -0.005 min
Response: 3111062
Conc: 20.83 ug/ml

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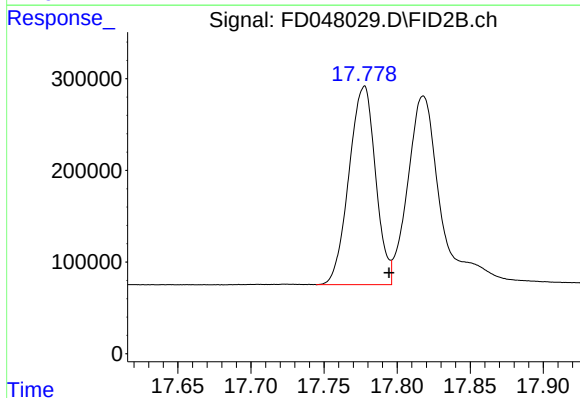
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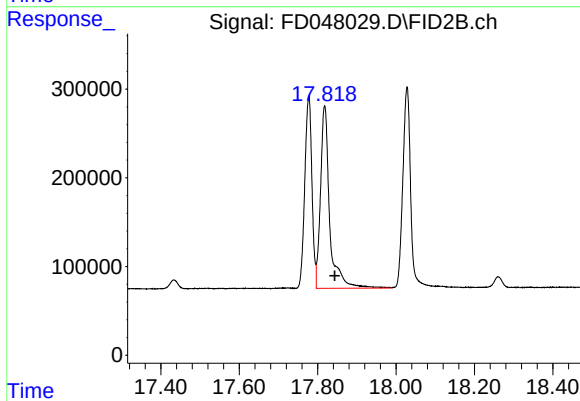
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: -0.013 min
Response: 3110870
Conc: 21.96 ug/ml



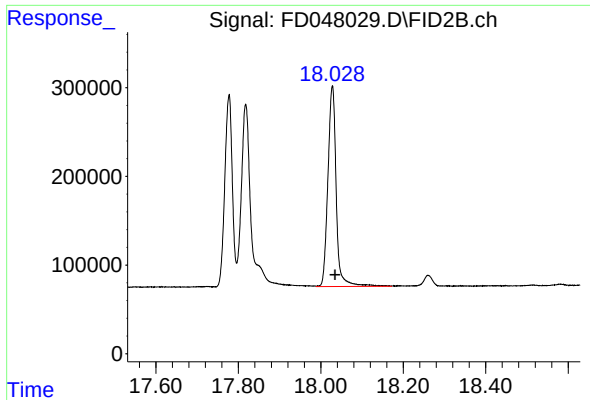
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.777 min
Delta R.T.: -0.018 min
Response: 2739869
Conc: 24.29 ug/ml



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

R.T.: 17.818 min
Delta R.T.: -0.026 min
Response: 3372234
Conc: 23.20 ug/ml



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

R.T.: 18.028 min
Delta R.T.: -0.007 min
Response: 3171636
Conc: 21.52 ug/ml

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