

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030725AR\
 Data File : FD049173.D
 Signal(s) : FID2B.ch
 Acq On : 06 Mar 2025 13:59
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/10/2025
 Supervised By :Ankita Jodhani 03/10/2025

Integration File: autoint1.e
 Quant Time: Mar 10 03:33:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 10 02:40:35 2025
 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...	7.367	866871	5.701 ug/ml
Spiked Amount 50.000		Recovery =	11.40%
6) S 2-Fluorobiphenyl (SURR)	8.243	292041	3.667 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	7.33%
11) S ortho-Terphenyl (SURR)	11.238	1034518	5.918 ug/ml
Spiked Amount 50.000		Recovery =	11.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.180	929080	5.622 ug/ml
2) T Naphthalene (C11.7)	5.707	854234	5.202 ug/ml
3) T 2-Methylnaphthalene (...)	6.758	887507	5.414 ug/ml
5) T Acenaphthylene (C15.06)	8.013	1011519	5.824 ug/ml
7) T Acenaphthene (C15.5)	8.301	1226413	6.552 ug/ml
8) T Fluorene (C16.55)	9.097	865075	5.344 ug/ml
9) T Phenanthrene (C19.36)	10.485	851101	5.411 ug/ml
10) T Anthracene (C19.43)	10.574	800491	5.239 ug/ml
12) T Fluoranthene (C21.85)	12.297	887228	5.497 ug/ml
13) T Pyrene (C20.8)	12.581	911422	5.645 ug/ml
14) T Benzo[a]anthracene (C...	14.463	433911	3.822 ug/mlm
15) T Chrysene (C27.41)	14.496	1019166	6.566 ug/mlm
16) T benzo[b]fluoranthene ...	16.008	578716	4.360 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.045	1023779	6.498 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.412	760438	5.521 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.796	440751	4.513 ug/mlm
20) T Dibenz[a,h]anthracene...	17.853	337734	2.769 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.013	564791	4.565 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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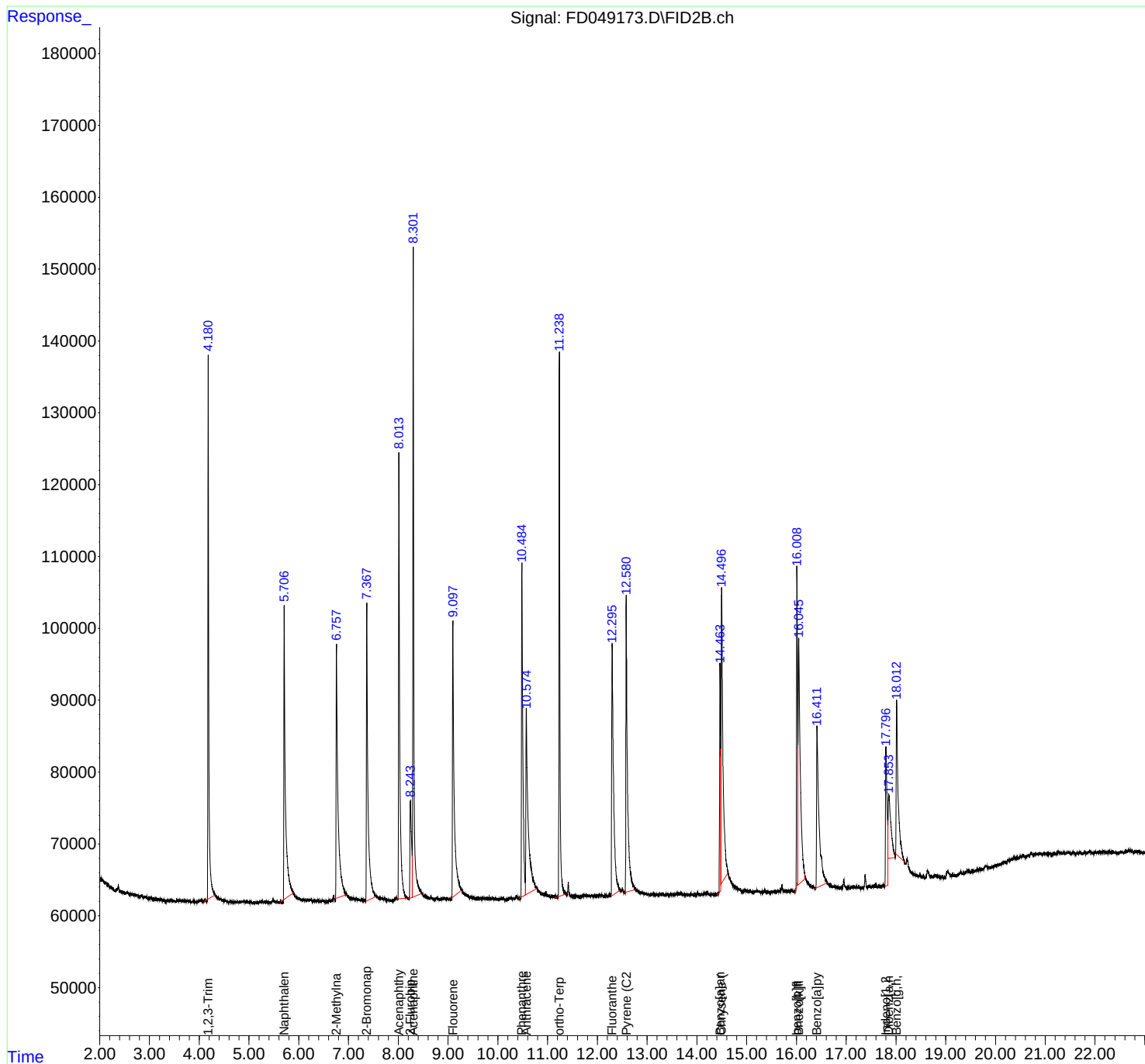
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

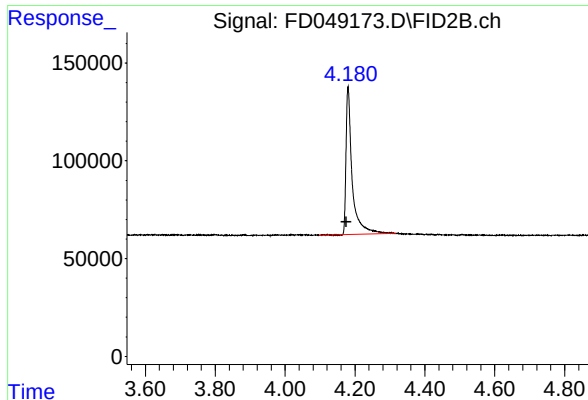
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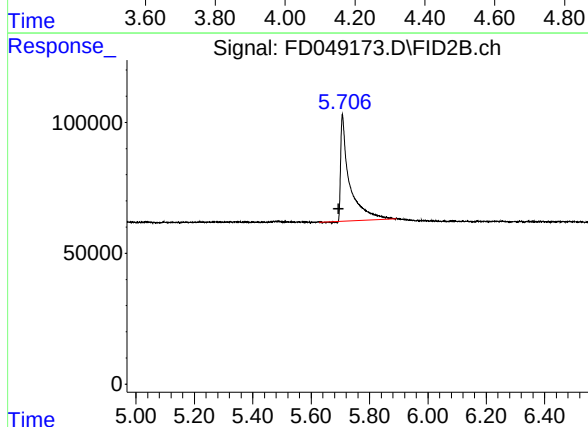
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.180 min
Delta R.T.: 0.005 min
Response: 929080
Conc: 5.62 ug/ml

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5 PPM AROMATIC HC STD5

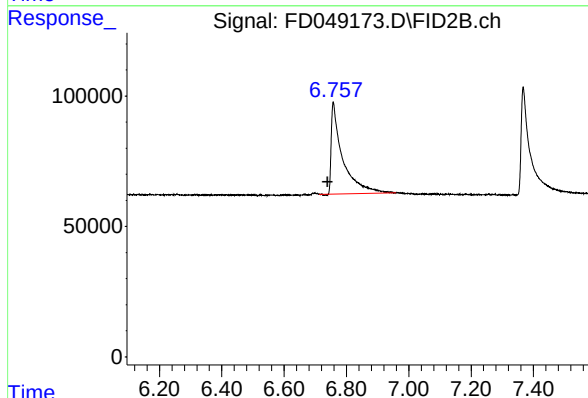
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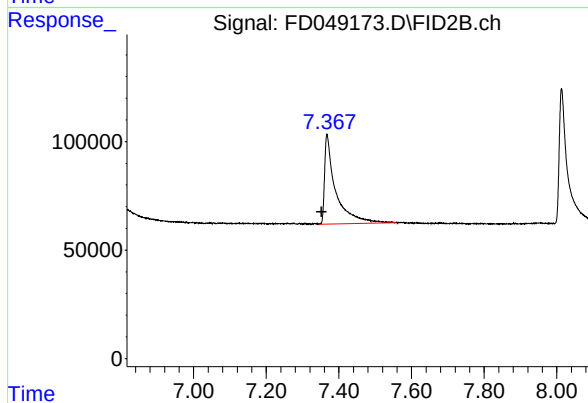
#2 Naphthalene (C11.7)

R.T.: 5.707 min
Delta R.T.: 0.014 min
Response: 854234
Conc: 5.20 ug/ml



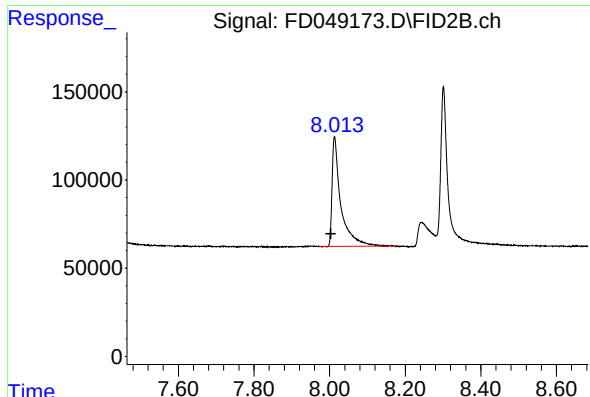
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.758 min
Delta R.T.: 0.018 min
Response: 887507
Conc: 5.41 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.367 min
Delta R.T.: 0.015 min
Response: 866871
Conc: 5.70 ug/ml



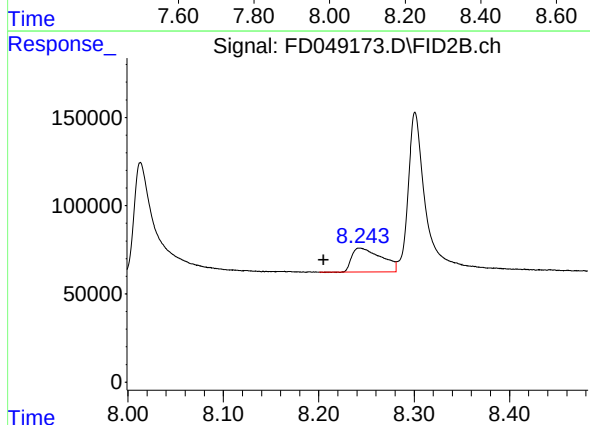
#5 Acenaphthylene (C15.06)

R.T.: 8.013 min
Delta R.T.: 0.010 min
Response: 1011519
Conc: 5.82 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

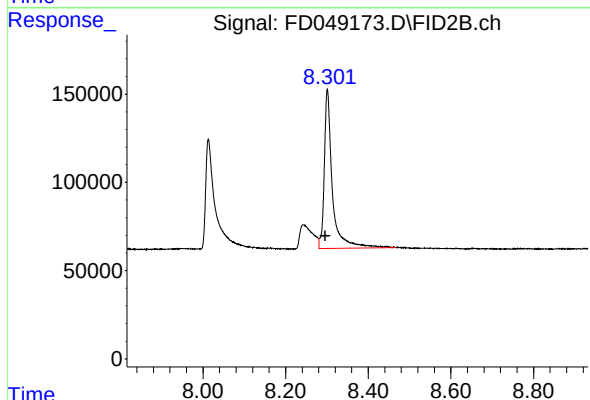
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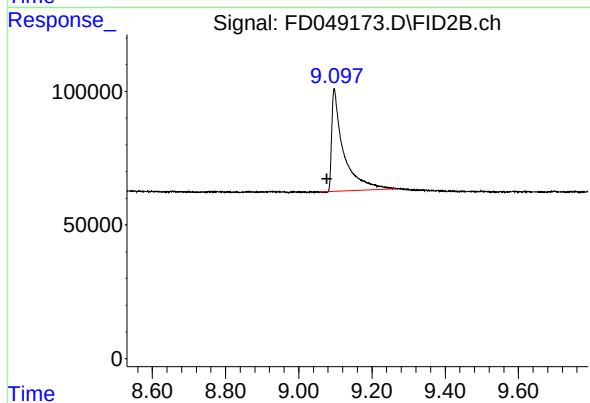
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.243 min
Delta R.T.: 0.038 min
Response: 292041
Conc: 3.67 ug/ml



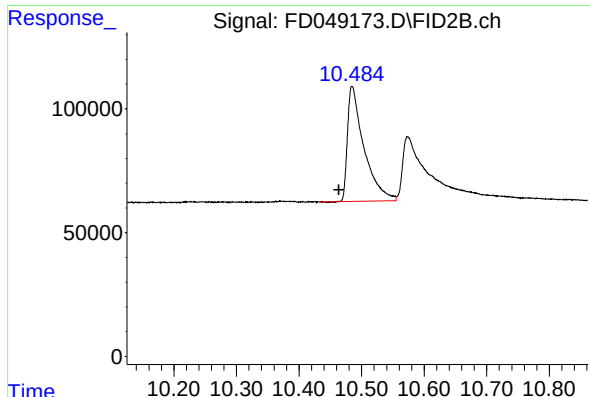
#7 Acenaphthene (C15.5)

R.T.: 8.301 min
Delta R.T.: 0.005 min
Response: 1226413
Conc: 6.55 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.097 min
Delta R.T.: 0.020 min
Response: 865075
Conc: 5.34 ug/ml



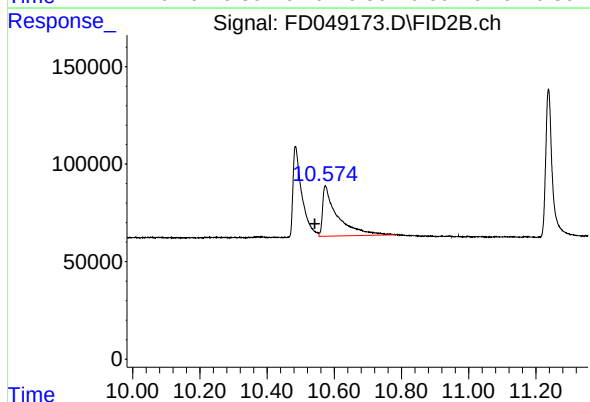
#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: 0.021 min
Response: 851101
Conc: 5.41 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

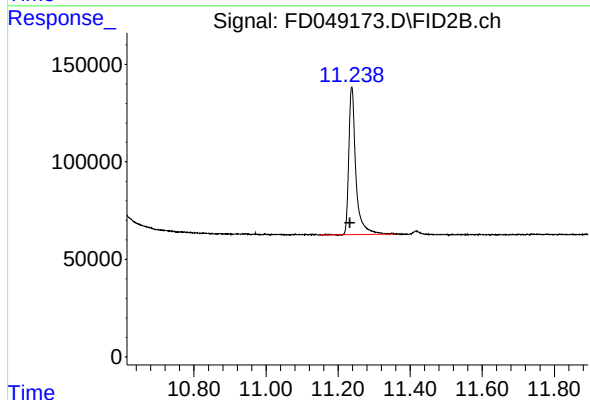
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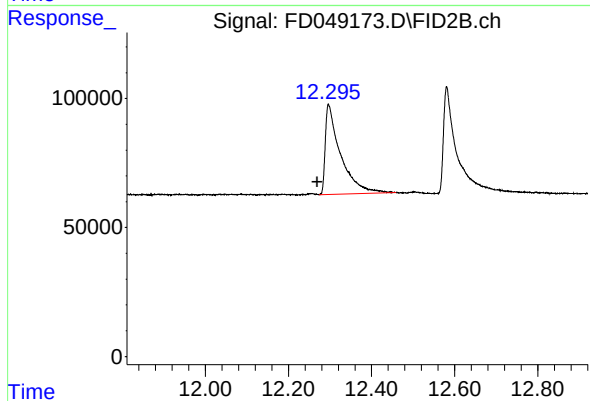
#10 Anthracene (C19.43)

R.T.: 10.574 min
Delta R.T.: 0.031 min
Response: 800491
Conc: 5.24 ug/ml



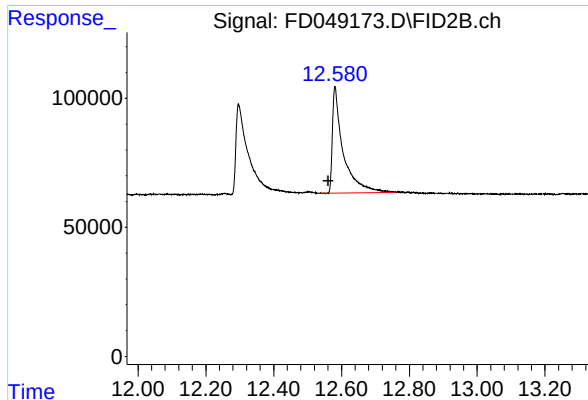
#11 ortho-Terphenyl (SURR)

R.T.: 11.238 min
Delta R.T.: 0.005 min
Response: 1034518
Conc: 5.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.297 min
Delta R.T.: 0.027 min
Response: 887228
Conc: 5.50 ug/ml



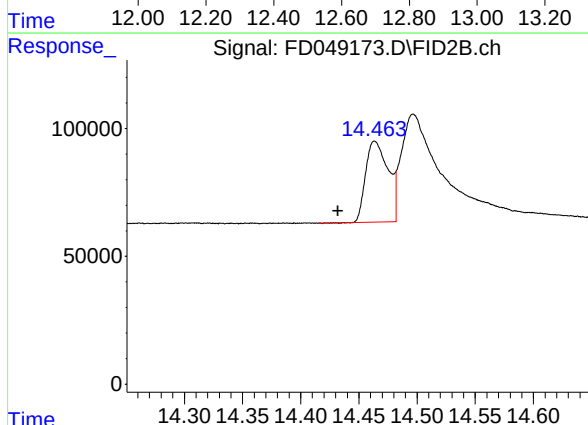
#13 Pyrene (C20.8)

R.T.: 12.581 min
Delta R.T.: 0.020 min
Response: 911422
Conc: 5.65 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

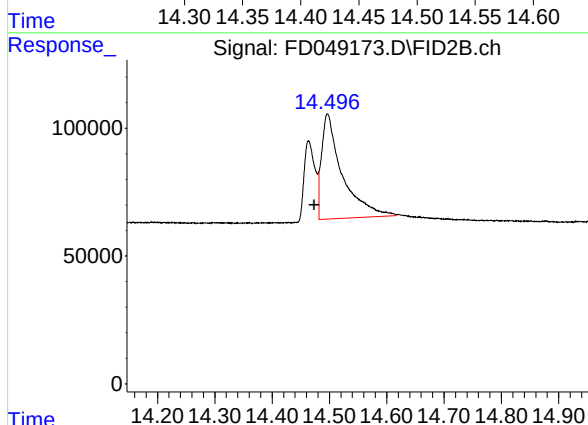
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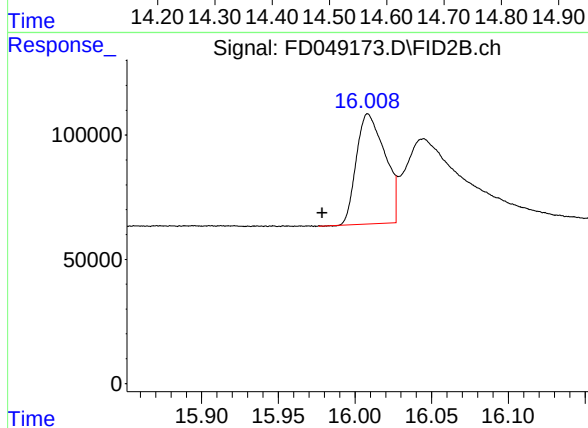
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.463 min
Delta R.T.: 0.031 min
Response: 433911
Conc: 3.82 ug/ml m



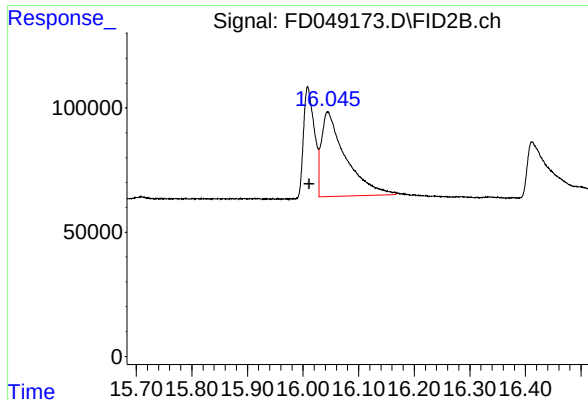
#15 Chrysene (C27.41)

R.T.: 14.496 min
Delta R.T.: 0.022 min
Response: 1019166
Conc: 6.57 ug/ml m



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

R.T.: 16.008 min
Delta R.T.: 0.029 min
Response: 578716
Conc: 4.36 ug/ml m



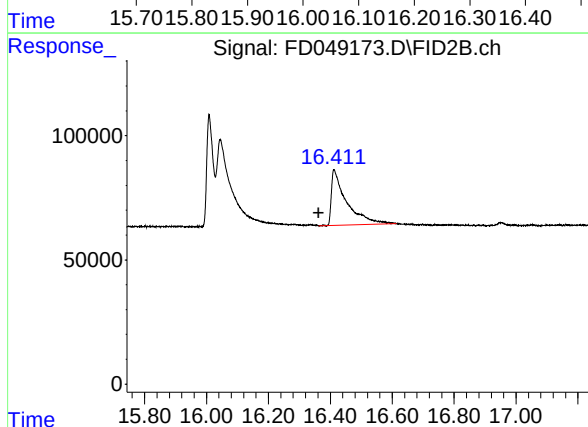
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.045 min
Delta R.T.: 0.034 min
Response: 1023779
Conc: 6.50 ug/ml

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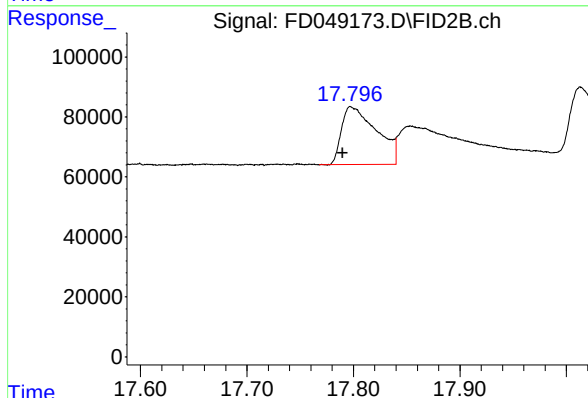
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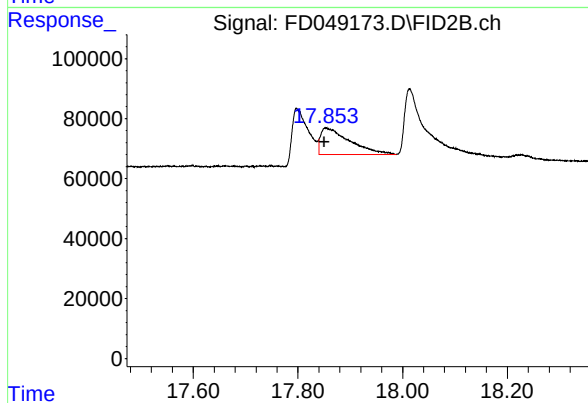
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.412 min
Delta R.T.: 0.050 min
Response: 760438
Conc: 5.52 ug/ml



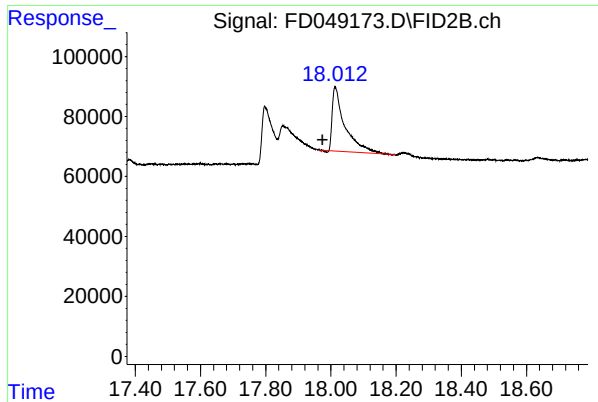
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.796 min
Delta R.T.: 0.006 min
Response: 440751
Conc: 4.51 ug/ml m



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

R.T.: 17.853 min
Delta R.T.: 0.003 min
Response: 337734
Conc: 2.77 ug/ml m



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

R.T.: 18.013 min
Delta R.T.: 0.039 min
Response: 564791
Conc: 4.57 ug/ml

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