

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
 Data File : FD048972.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jan 2025 18:43
 Operator : YP/AJ
 Sample : Q1168-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 02:11:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:38:15 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...	7.358	8391294	58.960 ug/ml
Spiked Amount 50.000		Recovery =	117.92%
6) S 2-Fluorobiphenyl (SURR)	8.207	5131965	60.314 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	120.63%
11) S ortho-Terphenyl (SURR)	11.243	7973007	48.482 ug/ml
Spiked Amount 50.000		Recovery =	96.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.185	651920	4.229 ug/ml
2) T Naphthalene (C11.7)	5.708	659431	4.219 ug/mlm
3) T 2-Methylnaphthalene (...)	6.756	718816	4.634 ug/mlm
5) T Acenaphthylene (C15.06)	8.015	762689	4.664 ug/ml
7) T Acenaphthene (C15.5)	8.304	892943	5.316 ug/ml
8) T Flouorene (C16.55)	9.096	702544	4.491 ug/ml
9) T Phenanthrene (C19.36)	10.481	708433	4.652 ug/mlm
10) T Anthracene (C19.43)	10.564	732620	4.810 ug/ml
12) T Fluoranthene (C21.85)	12.291	749360	4.764 ug/ml
13) T Pyrene (C20.8)	12.580	746645	4.740 ug/ml
14) T Benzo[a]anthracene (C...	14.459	444520	3.454 ug/ml
15) T Chrysene (C27.41)	14.494	745865	4.411 ug/mlm
16) T benzo[b]fluoranthene ...	16.004	538836	3.944 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.040	853794	5.272 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.402	533120	3.830 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.772	453657	4.350 ug/mlm
20) T Dibenz[a,h]anthracene...	17.827	584950	4.098 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.005	626113	4.389 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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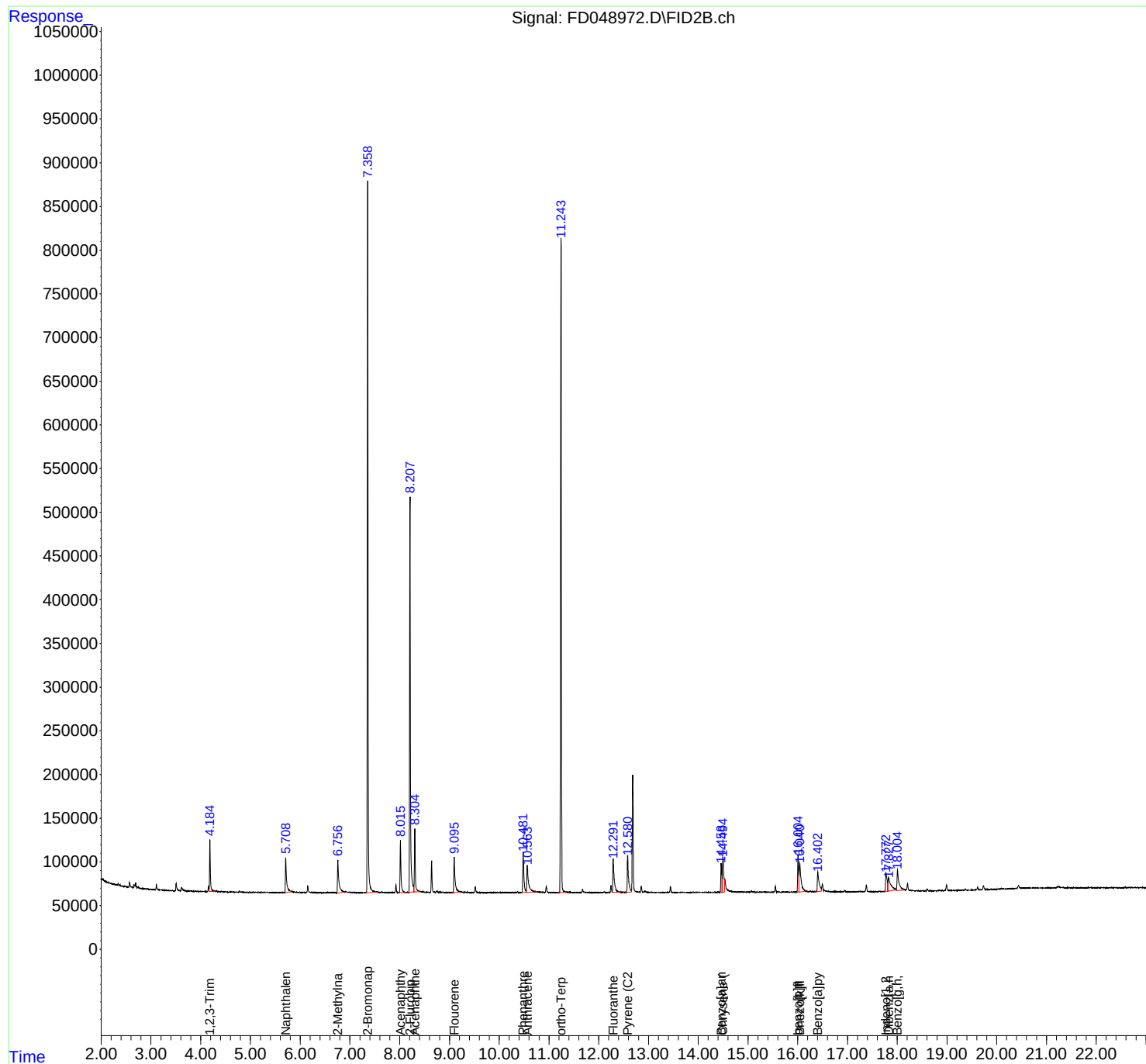
Instrument :
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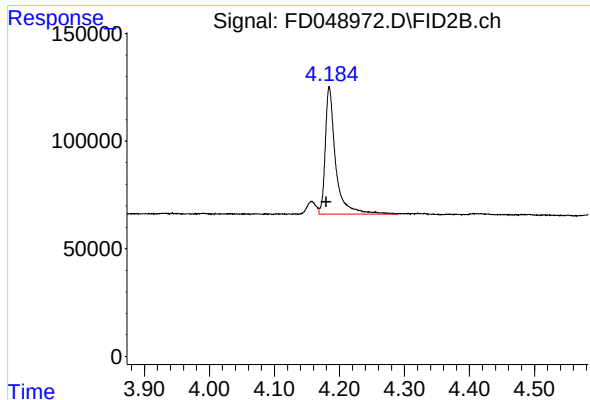
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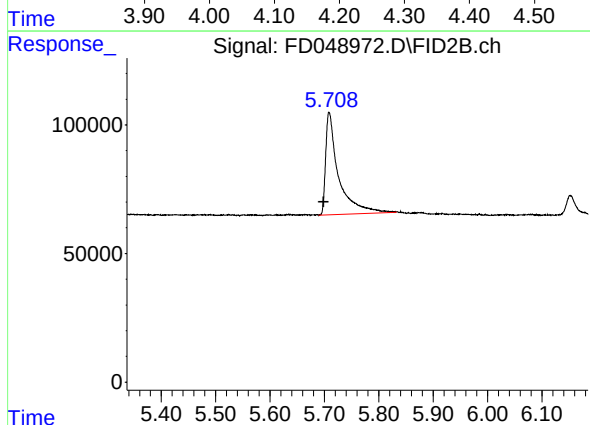
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.185 min
Delta R.T.: 0.005 min
Response: 651920
Conc: 4.23 ug/ml

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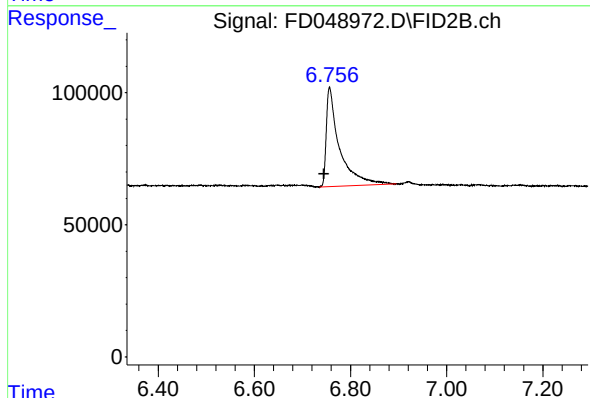
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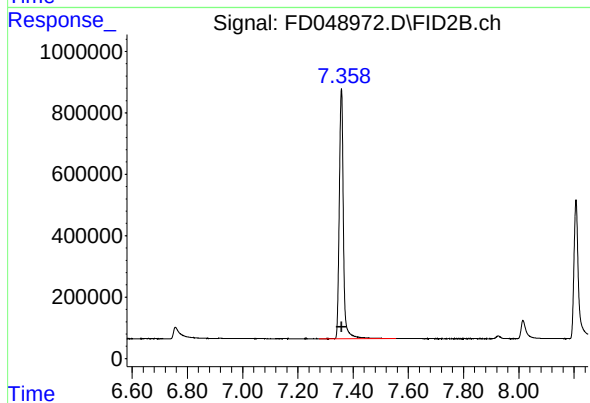
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.009 min
Response: 659431
Conc: 4.22 ug/ml m



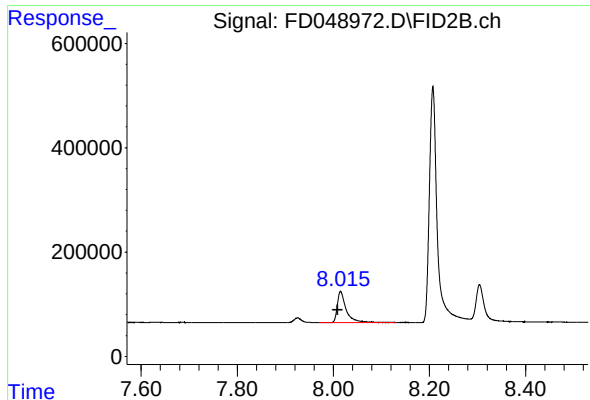
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.011 min
Response: 718816
Conc: 4.63 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 8391294
Conc: 58.96 ug/ml



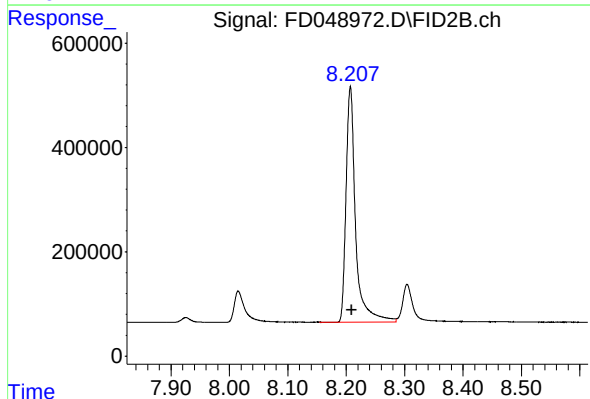
#5 Acenaphthylene (C15.06)

R.T.: 8.015 min
Delta R.T.: 0.006 min
Response: 762689
Conc: 4.66 ug/ml

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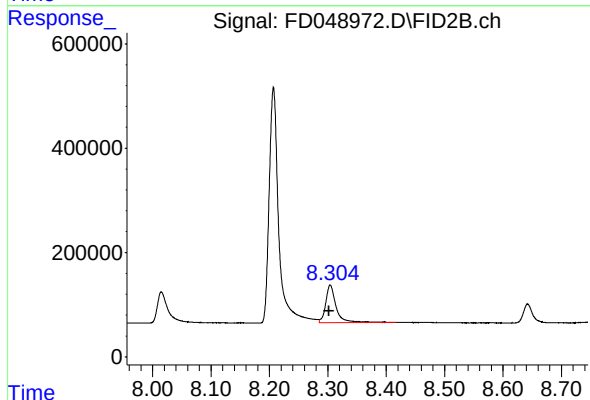
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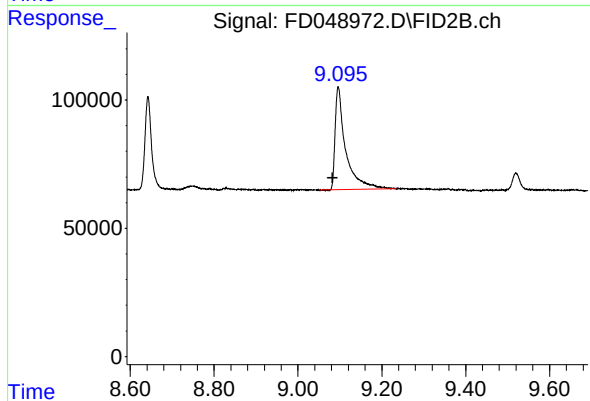
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.207 min
Delta R.T.: -0.002 min
Response: 5131965
Conc: 60.31 ug/ml



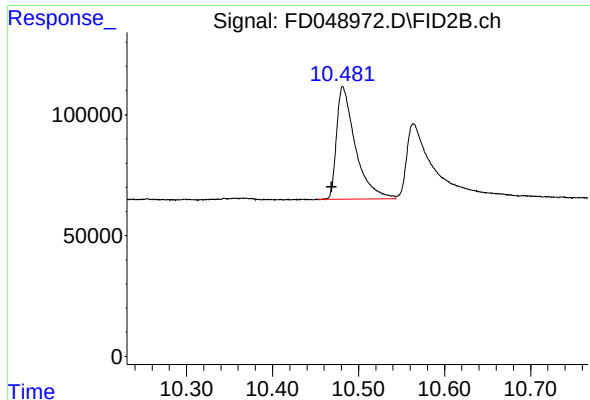
#7 Acenaphthene (C15.5)

R.T.: 8.304 min
Delta R.T.: 0.002 min
Response: 892943
Conc: 5.32 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.096 min
Delta R.T.: 0.014 min
Response: 702544
Conc: 4.49 ug/ml



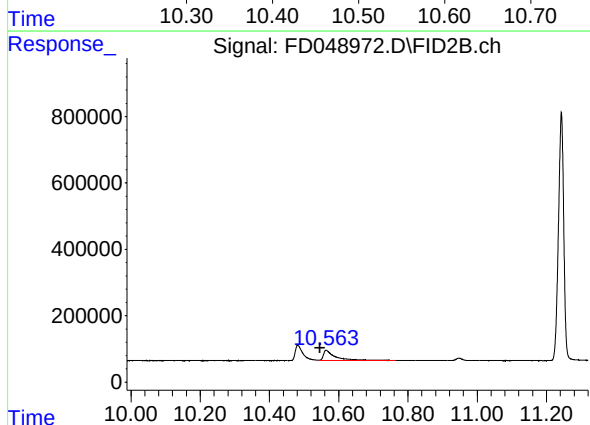
#9 Phenanthrene (C19.36)

R.T.: 10.481 min
Delta R.T.: 0.013 min
Response: 708433
Conc: 4.65 ug/ml

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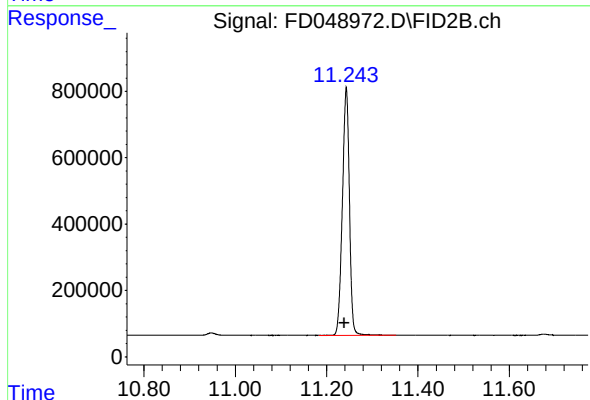
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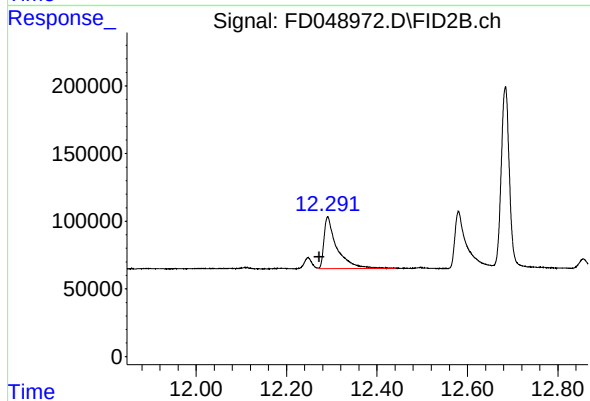
#10 Anthracene (C19.43)

R.T.: 10.564 min
Delta R.T.: 0.018 min
Response: 732620
Conc: 4.81 ug/ml



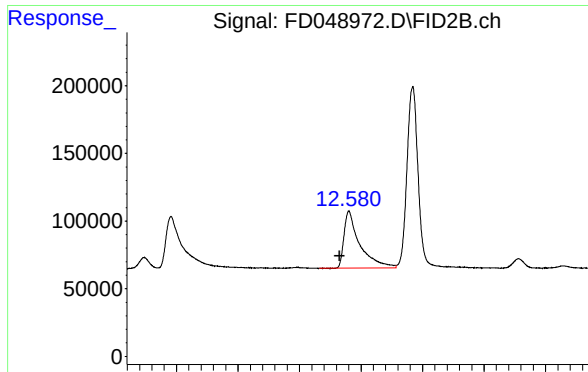
#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.004 min
Response: 7973007
Conc: 48.48 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.018 min
Response: 749360
Conc: 4.76 ug/ml



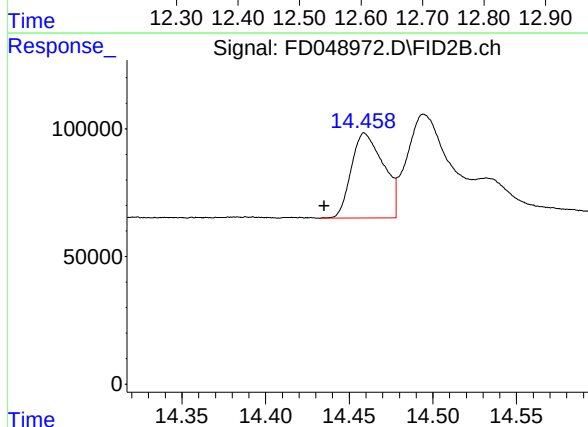
#13 Pyrene (C20.8)

R.T.: 12.580 min
Delta R.T.: 0.015 min
Response: 746645
Conc: 4.74 ug/ml

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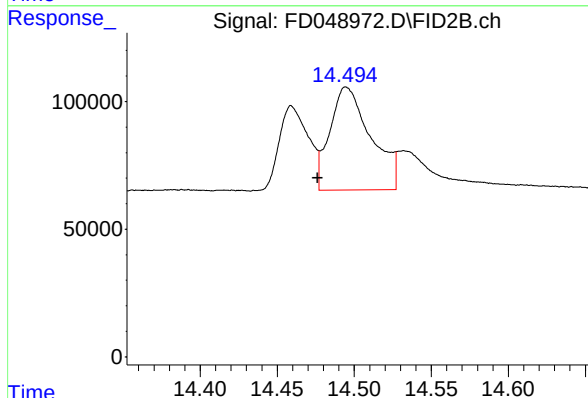
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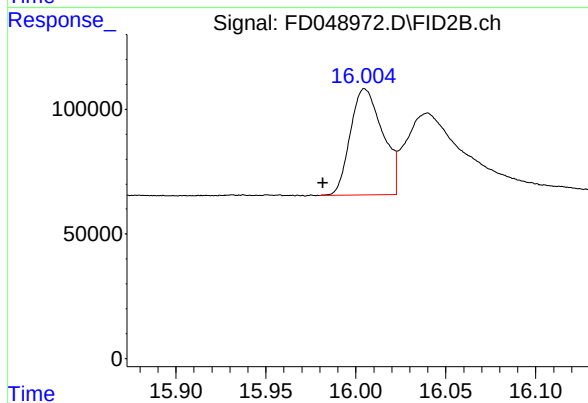
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.459 min
Delta R.T.: 0.024 min
Response: 444520
Conc: 3.45 ug/ml



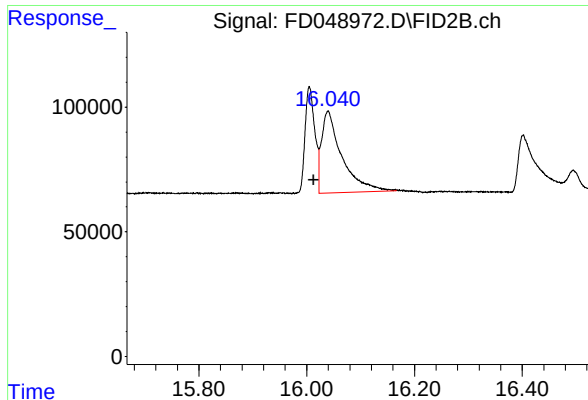
#15 Chrysene (C27.41)

R.T.: 14.494 min
Delta R.T.: 0.018 min
Response: 745865
Conc: 4.41 ug/ml m



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

R.T.: 16.004 min
Delta R.T.: 0.023 min
Response: 538836
Conc: 3.94 ug/ml m



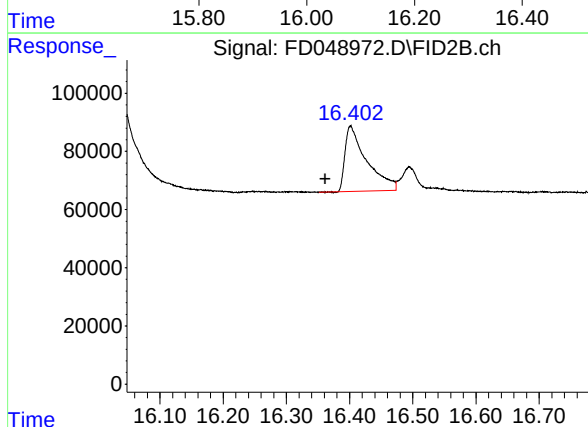
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.040 min
Delta R.T.: 0.027 min
Response: 853794
Conc: 5.27 ug/ml

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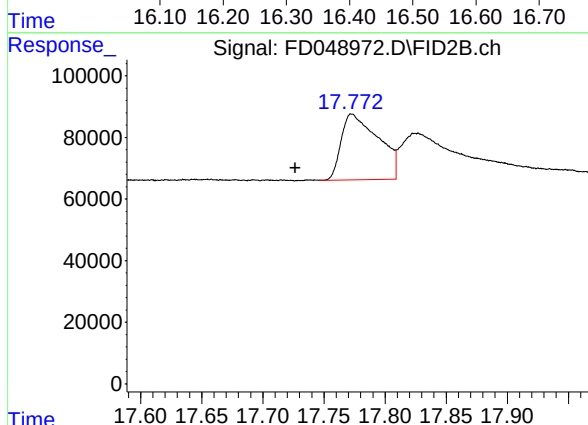
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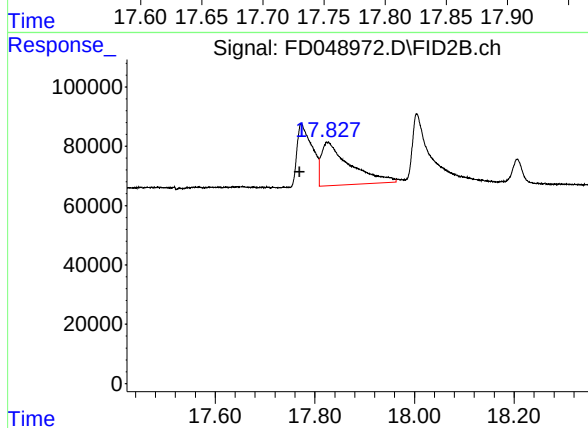
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.402 min
Delta R.T.: 0.040 min
Response: 533120
Conc: 3.83 ug/ml



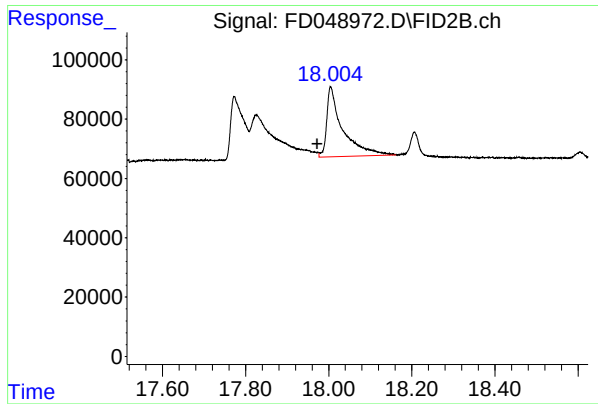
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.772 min
Delta R.T.: 0.045 min
Response: 453657
Conc: 4.35 ug/ml m



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

R.T.: 17.827 min
Delta R.T.: 0.058 min
Response: 584950
Conc: 4.10 ug/ml m



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

R.T.: 18.005 min
Delta R.T.: 0.032 min
Response: 626113
Conc: 4.39 ug/ml

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