

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049574.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 13:20
 Operator : YP/AJ
 Sample : PB168879BSD
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168879BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File: autoint1.e
 Quant Time: Jul 18 00:16:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 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...	7.737	7062956	53.984 ug/ml
Spiked Amount 50.000		Recovery =	107.97%
6) S 2-Fluorobiphenyl (SURR)	8.603	4908616	52.973 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	105.95%
11) S ortho-Terphenyl (SURR)	11.647	7066271	43.096 ug/ml
Spiked Amount 50.000		Recovery =	86.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	4342799	33.616 ug/ml
2) T Naphthalene (C11.7)	6.072	5547632	37.904 ug/ml
3) T 2-Methylnaphthalene (...)	7.126	5607969	36.928 ug/ml
5) T Acenaphthylene (C15.06)	8.406	6770122	42.651 ug/ml
7) T Acenaphthene (C15.5)	8.703	6875635	43.427 ug/ml
8) T Flouorene (C16.55)	9.484	7300758	45.702 ug/ml
9) T Phenanthrene (C19.36)	10.882	7340252	44.811 ug/ml
10) T Anthracene (C19.43)	10.957	6634533	41.650 ug/ml
12) T Fluoranthene (C21.85)	12.697	7296269	44.888 ug/mlm
13) T Pyrene (C20.8)	12.995	7150200	44.058 ug/ml
14) T Benzo[a]anthracene (C...	14.866	6780469	46.299 ug/ml
15) T Chrysene (C27.41)	14.911	7333579	49.277 ug/ml
16) T benzo[b]fluoranthene ...	16.419	6584665	46.472 ug/ml
17) T Bnezo[k]fluoranthene ...	16.454	6512415	48.715 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.799	6190074	44.960 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.165	6391677	51.033 ug/ml
20) T Dibenz[a,h]anthracene...	18.204	5790068	43.950 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.422	5824402	44.009 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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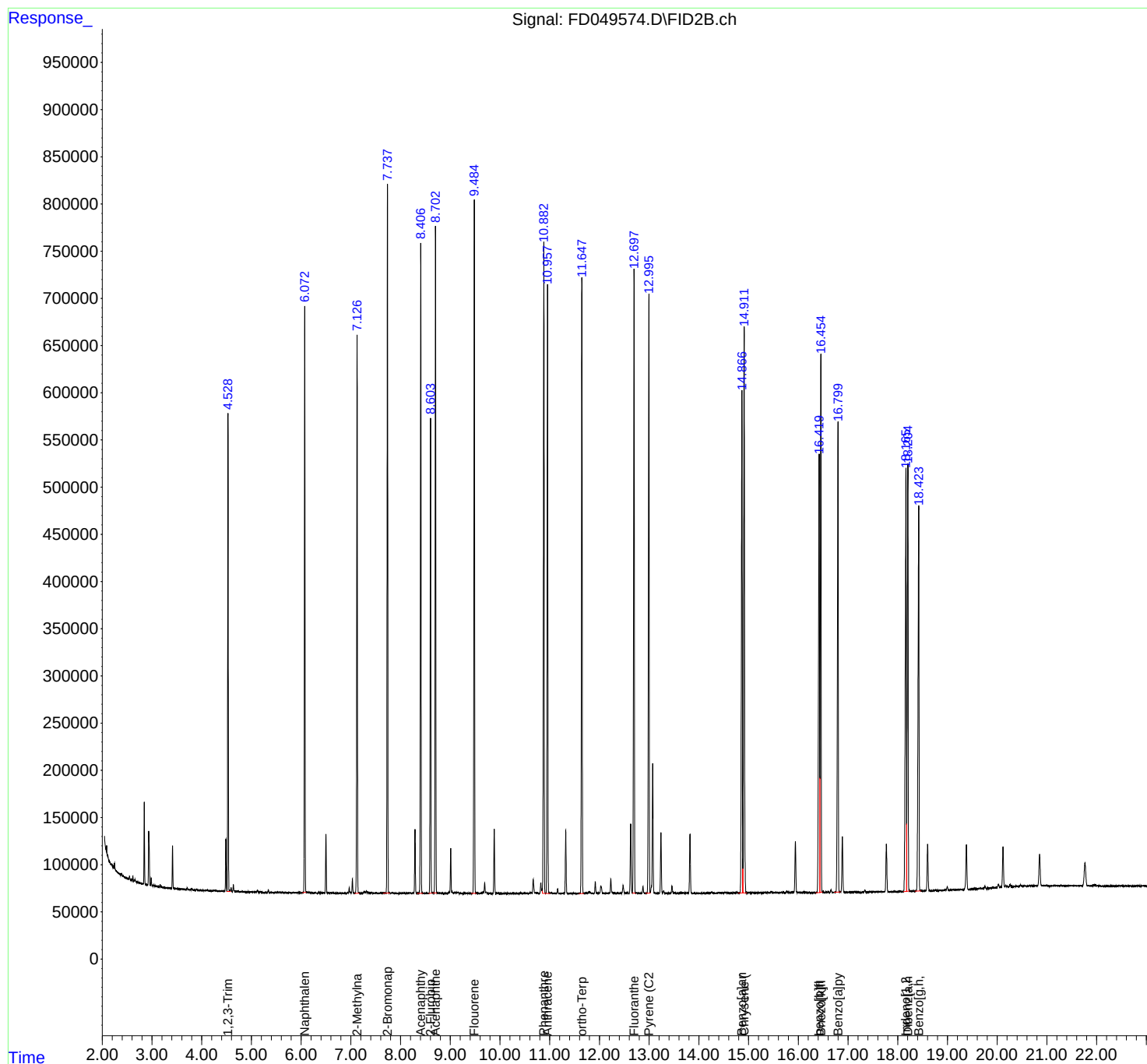
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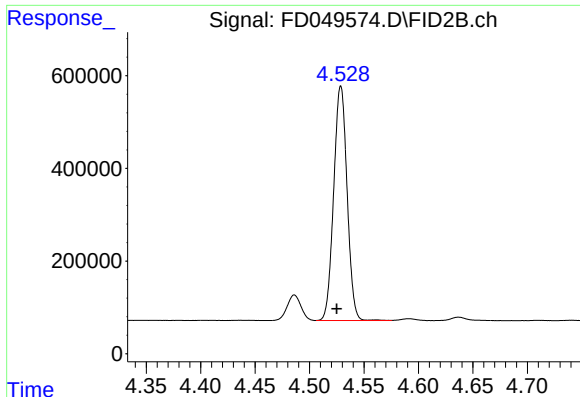
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 4342799
Conc: 33.62 ug/ml

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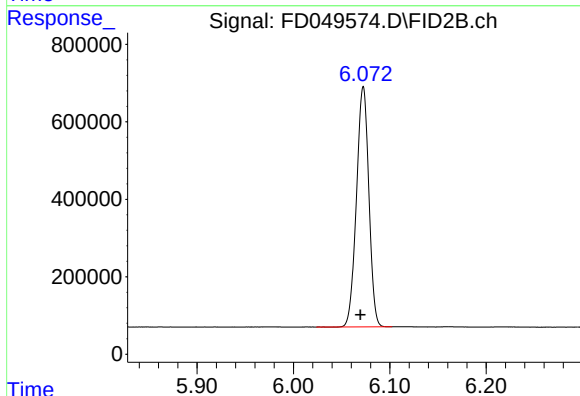
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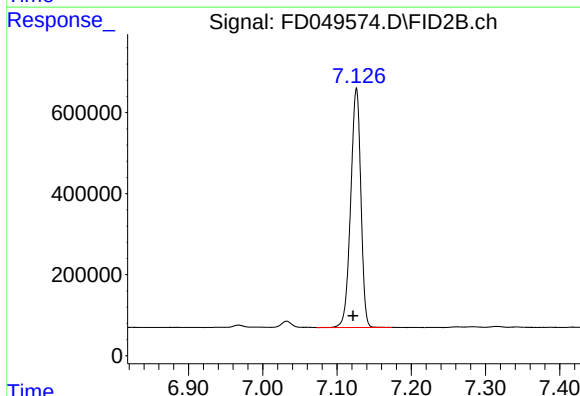
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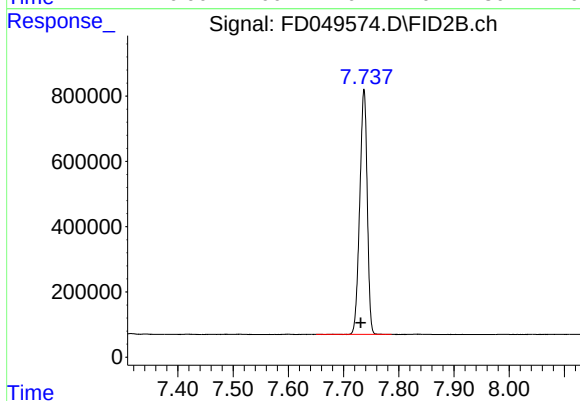
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.003 min
Response: 5547632
Conc: 37.90 ug/ml



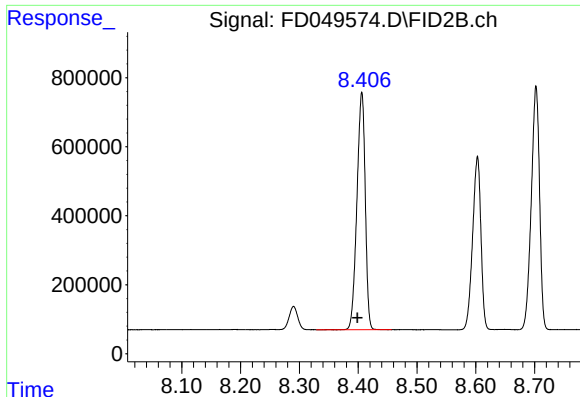
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.126 min
Delta R.T.: 0.005 min
Response: 5607969
Conc: 36.93 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.737 min
Delta R.T.: 0.006 min
Response: 7062956
Conc: 53.98 ug/ml



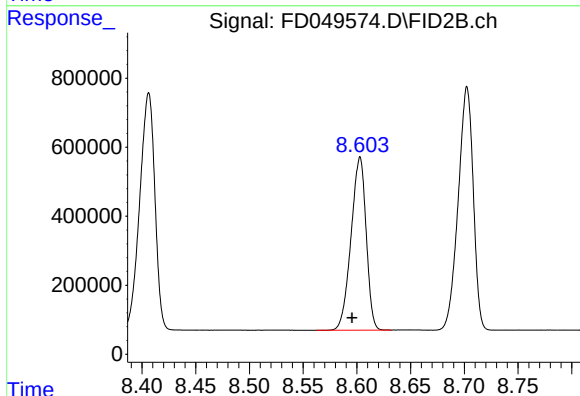
#5 Acenaphthylene (C15.06)

R.T.: 8.406 min
Delta R.T.: 0.007 min
Response: 6770122
Conc: 42.65 ug/ml

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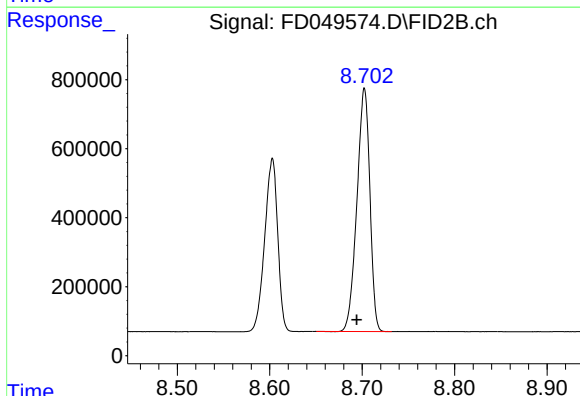
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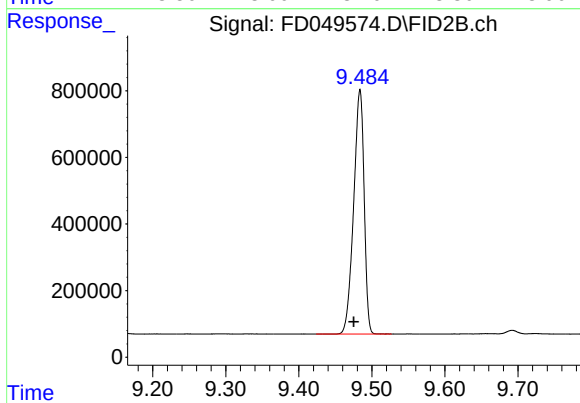
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.603 min
Delta R.T.: 0.007 min
Response: 4908616
Conc: 52.97 ug/ml



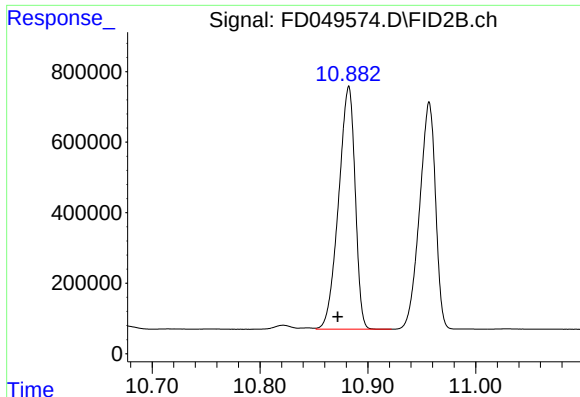
#7 Acenaphthene (C15.5)

R.T.: 8.703 min
Delta R.T.: 0.008 min
Response: 6875635
Conc: 43.43 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.484 min
Delta R.T.: 0.009 min
Response: 7300758
Conc: 45.70 ug/ml



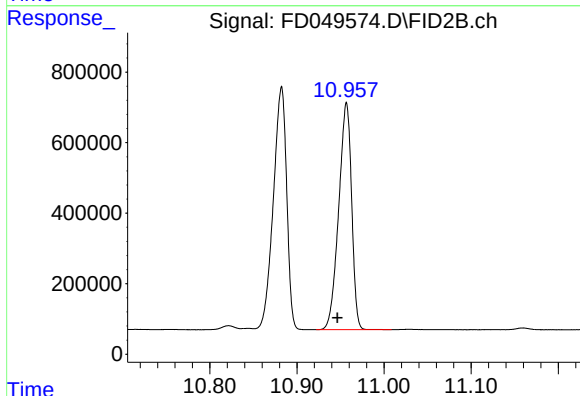
#9 Phenanthrene (C19.36)

R.T.: 10.882 min
Delta R.T.: 0.010 min
Response: 7340252
Conc: 44.81 ug/ml

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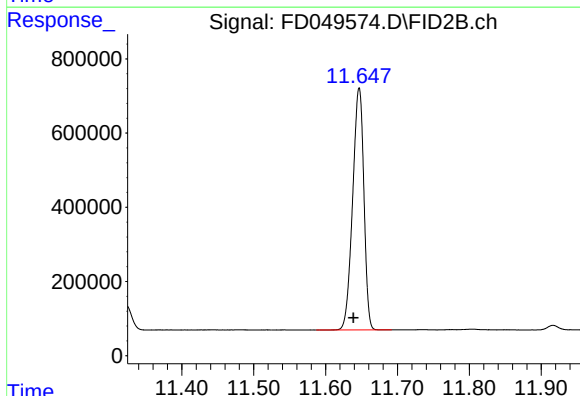
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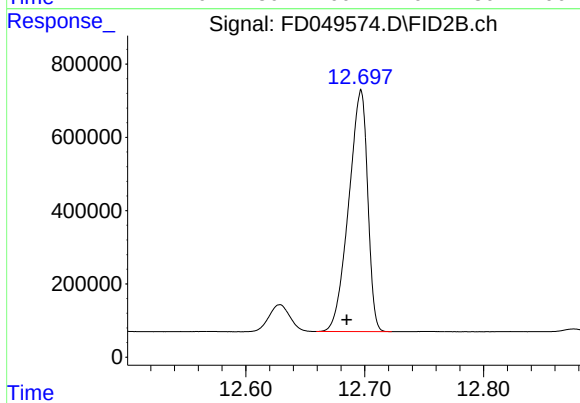
#10 Anthracene (C19.43)

R.T.: 10.957 min
Delta R.T.: 0.011 min
Response: 6634533
Conc: 41.65 ug/ml



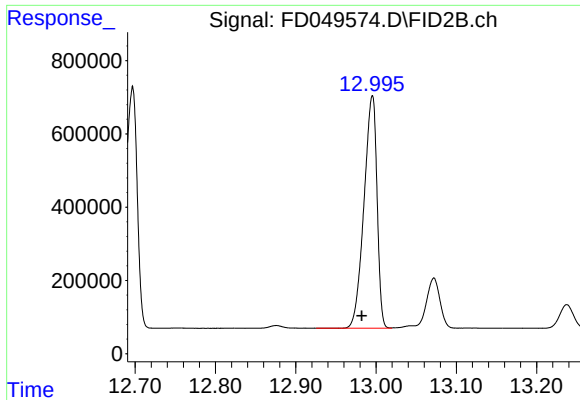
#11 ortho-Terphenyl (SURR)

R.T.: 11.647 min
Delta R.T.: 0.008 min
Response: 7066271
Conc: 43.10 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.697 min
Delta R.T.: 0.012 min
Response: 7296269
Conc: 44.89 ug/ml m



#13 Pyrene (C20.8)

R.T.: 12.995 min
Delta R.T.: 0.013 min
Response: 7150200
Conc: 44.06 ug/ml

Instrument :

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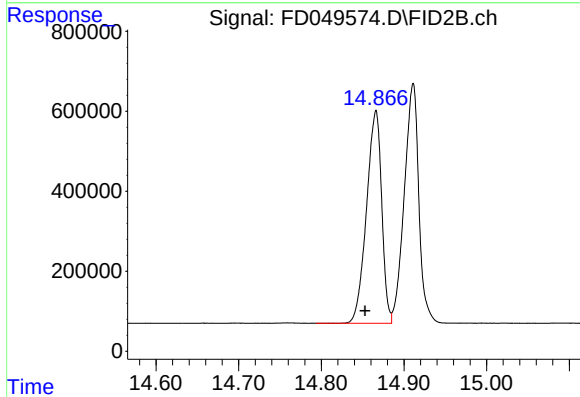
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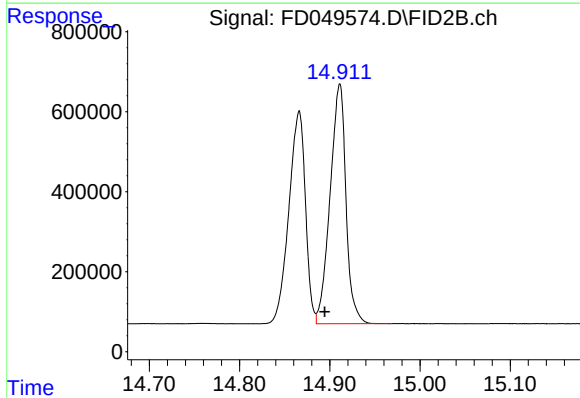
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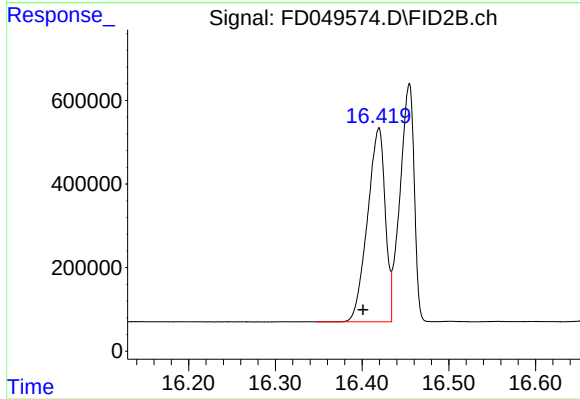
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.866 min
Delta R.T.: 0.013 min
Response: 6780469
Conc: 46.30 ug/ml



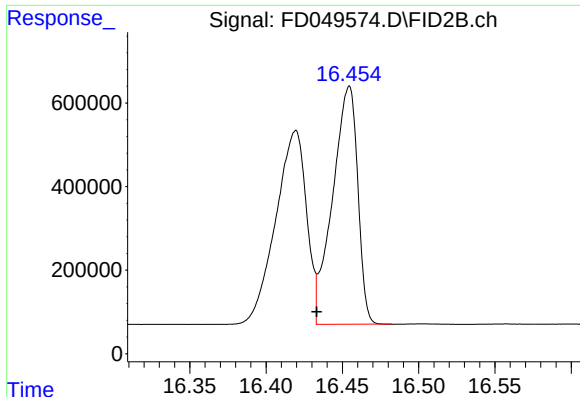
#15 Chrysene (C27.41)

R.T.: 14.911 min
Delta R.T.: 0.017 min
Response: 7333579
Conc: 49.28 ug/ml



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

R.T.: 16.419 min
Delta R.T.: 0.018 min
Response: 6584665
Conc: 46.47 ug/ml



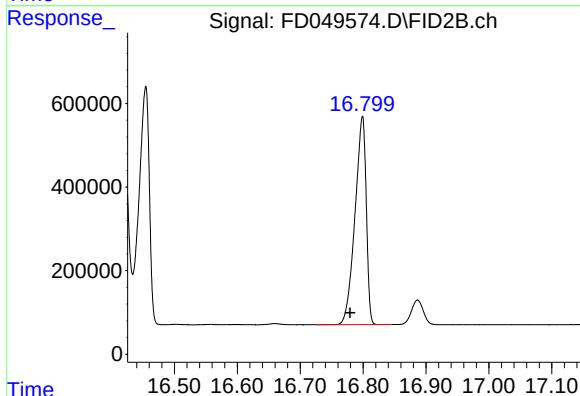
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.454 min
Delta R.T.: 0.021 min
Response: 6512415
Conc: 48.72 ug/ml

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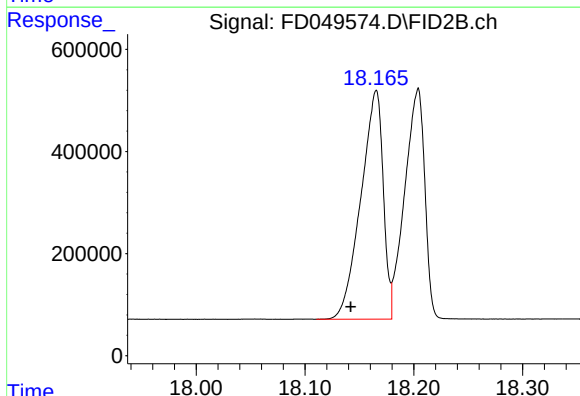
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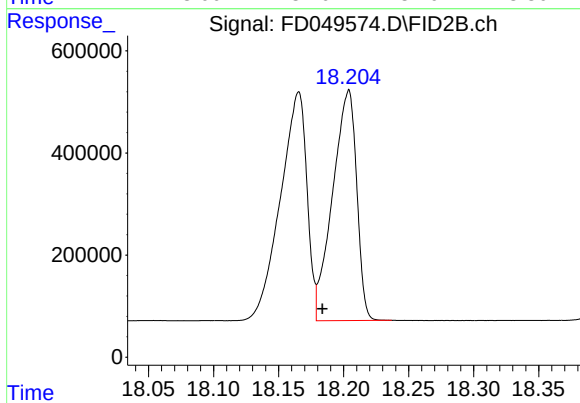
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.799 min
Delta R.T.: 0.020 min
Response: 6190074
Conc: 44.96 ug/ml



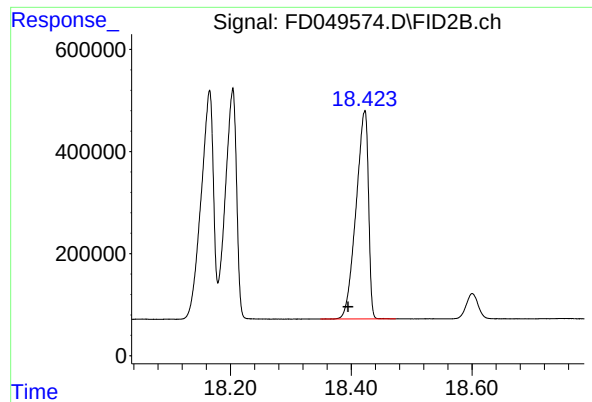
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.165 min
Delta R.T.: 0.023 min
Response: 6391677
Conc: 51.03 ug/ml



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

R.T.: 18.204 min
Delta R.T.: 0.020 min
Response: 5790068
Conc: 43.95 ug/ml m



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

R.T.: 18.422 min
Delta R.T.: 0.028 min
Response: 5824402
Conc: 44.01 ug/ml

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