

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081525AR\
 Data File : FD049630.D
 Signal(s) : FID2B.ch
 Acq On : 15 Aug 2025 13:36
 Operator : YP/AJ
 Sample : PB169262BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169262BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2025
 Supervised By :mohammad ahmed 08/19/2025

Integration File: autoint1.e
 Quant Time: Aug 18 02:22:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	6168473	60.188 ug/ml
Spiked Amount 50.000		Recovery =	120.38%
6) S 2-Fluorobiphenyl (SURR)	8.581	4326045	59.224 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	118.45%
11) S ortho-Terphenyl (SURR)	11.627	6337132	48.824 ug/ml
Spiked Amount 50.000		Recovery =	97.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.506	3830181	37.840 ug/ml
2) T Naphthalene (C11.7)	6.050	4893705	42.680 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	4926890	41.301 ug/ml
5) T Acenaphthylene (C15.06)	8.384	5973771	47.520 ug/ml
7) T Acenaphthene (C15.5)	8.681	6064131	48.229 ug/ml
8) T Flouorene (C16.55)	9.463	6502885	51.362 ug/ml
9) T Phenanthrene (C19.36)	10.862	6671856	51.649 ug/ml
10) T Anthracene (C19.43)	10.937	5721959	46.447 ug/ml
12) T Fluoranthene (C21.85)	12.677	6794874	53.078 ug/ml
13) T Pyrene (C20.8)	12.975	6670480	52.538 ug/ml
14) T Benzo[a]anthracene (C...	14.847	6355031	55.072 ug/ml
15) T Chrysene (C27.41)	14.892	6901809	58.948 ug/ml
16) T benzo[b]fluoranthene ...	16.400	6263329	55.070 ug/ml
17) T Bnezo[k]fluoranthene ...	16.435	6095171	56.939 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.780	5822466	52.485 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.146	6022044	58.422 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	5742465	52.684 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	5443678	49.816 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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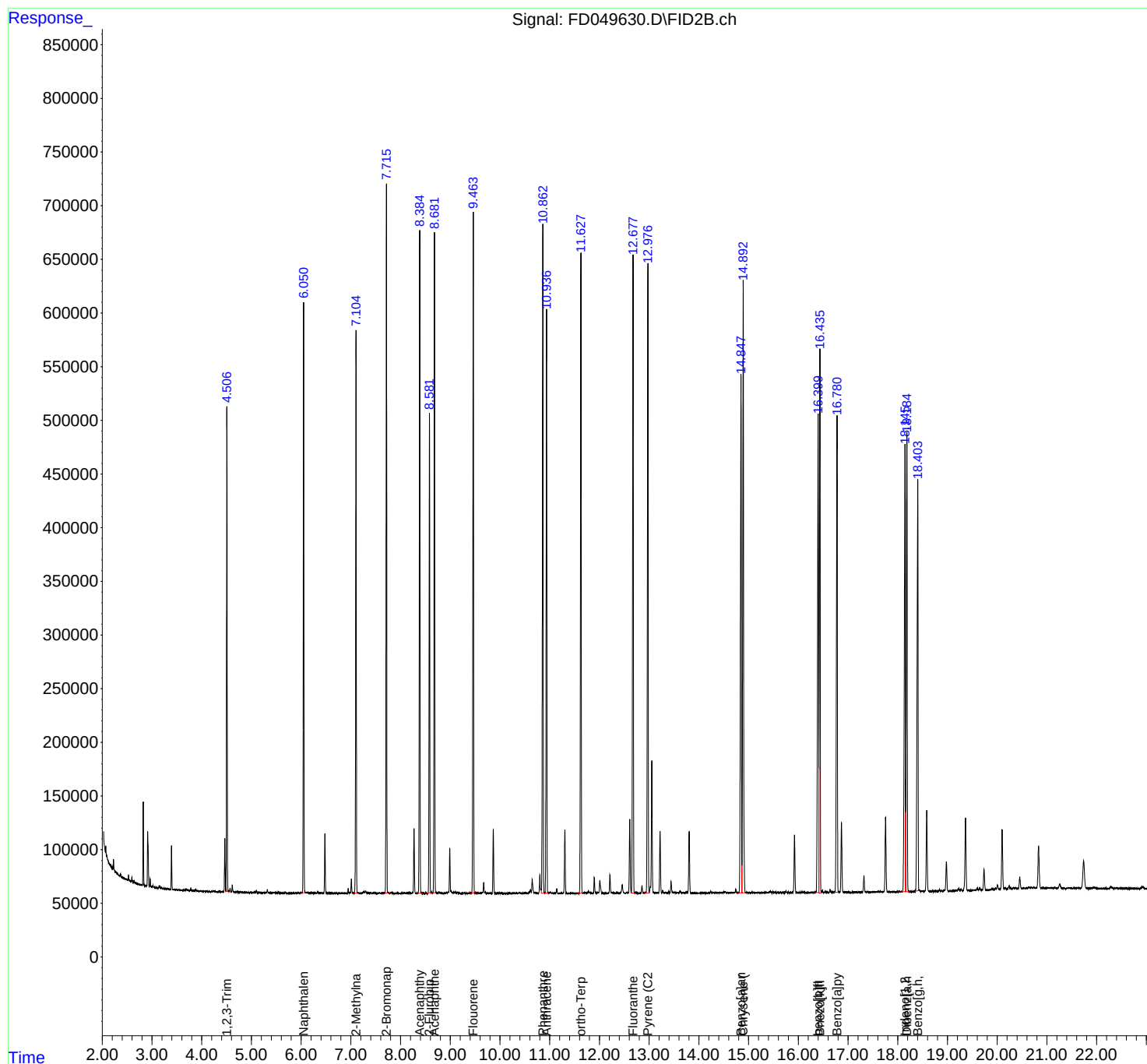
Instrument :
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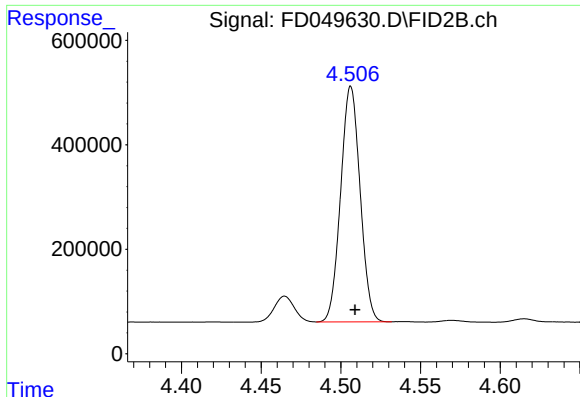
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.506 min
Delta R.T.: -0.003 min
Response: 3830181
Conc: 37.84 ug/ml

Instrument :

FID_D

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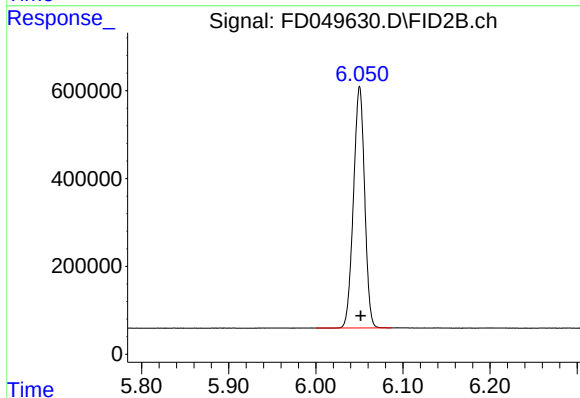
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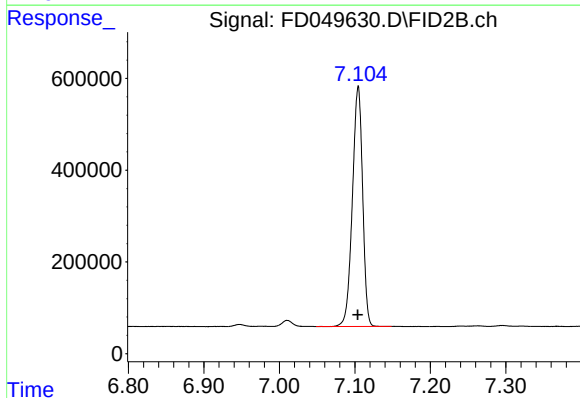
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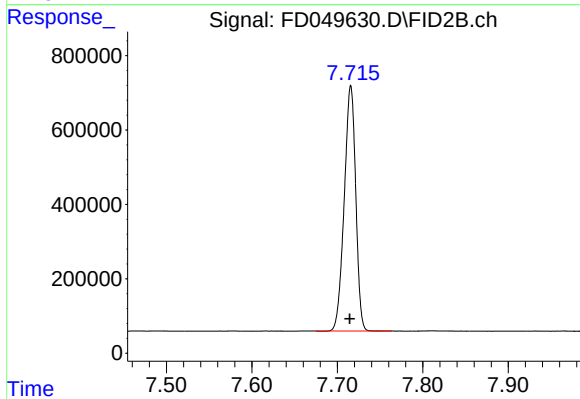
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.001 min
Response: 4893705
Conc: 42.68 ug/ml



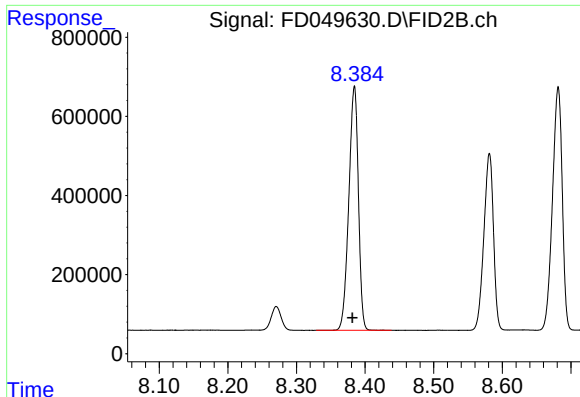
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 4926890
Conc: 41.30 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 6168473
Conc: 60.19 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.384 min
Delta R.T.: 0.003 min
Response: 5973771
Conc: 47.52 ug/ml

Instrument :

FID_D

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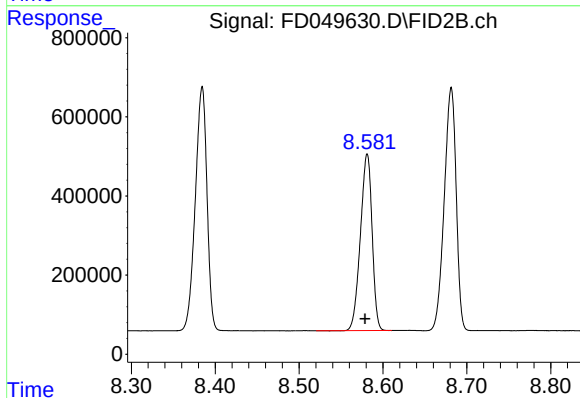
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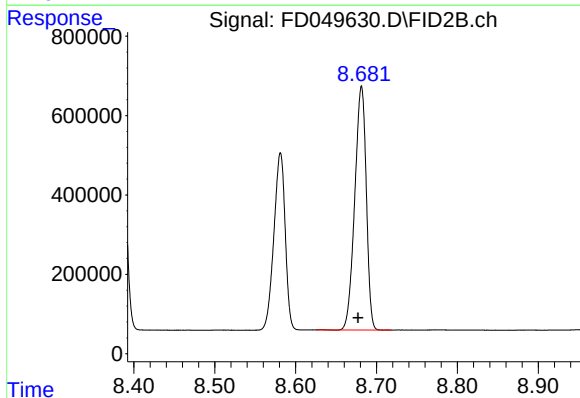
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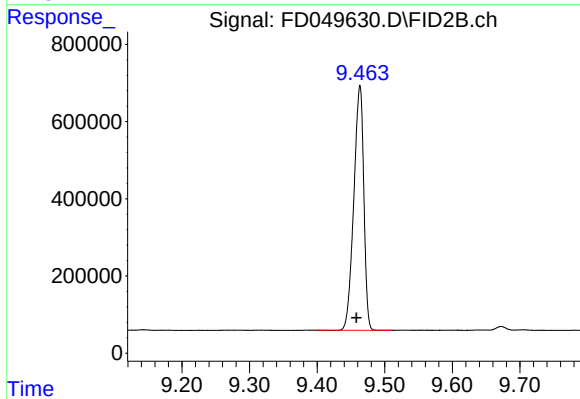
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: 0.003 min
Response: 4326045
Conc: 59.22 ug/ml



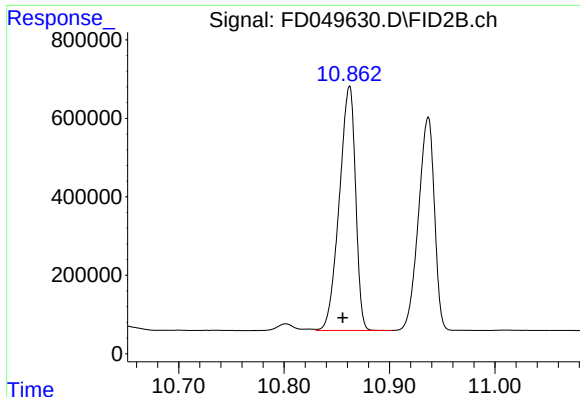
#7 Acenaphthene (C15.5)

R.T.: 8.681 min
Delta R.T.: 0.004 min
Response: 6064131
Conc: 48.23 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.463 min
Delta R.T.: 0.005 min
Response: 6502885
Conc: 51.36 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.862 min
Delta R.T.: 0.006 min
Response: 6671856
Conc: 51.65 ug/ml

Instrument :

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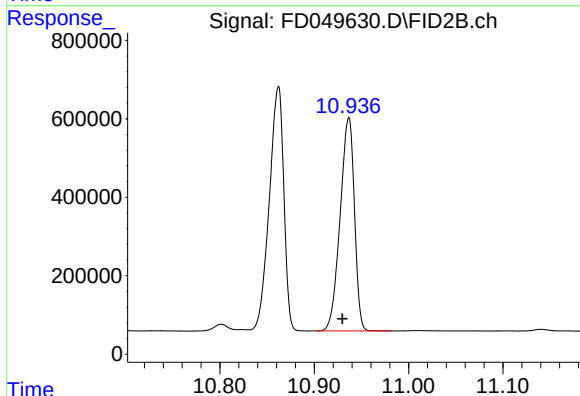
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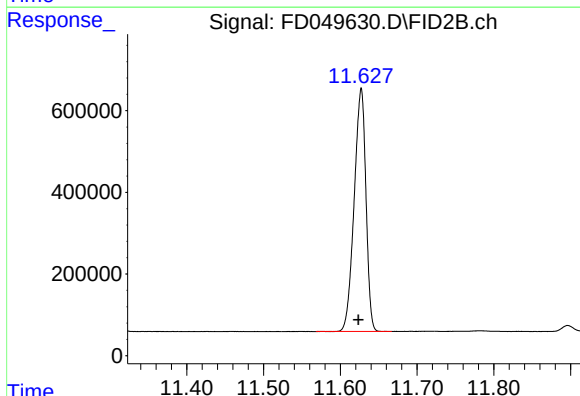
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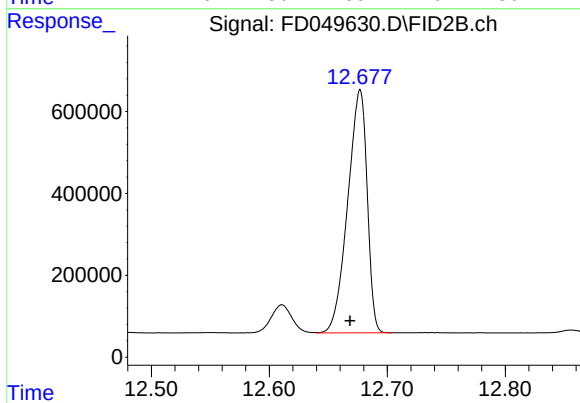
#10 Anthracene (C19.43)

R.T.: 10.937 min
Delta R.T.: 0.007 min
Response: 5721959
Conc: 46.45 ug/ml



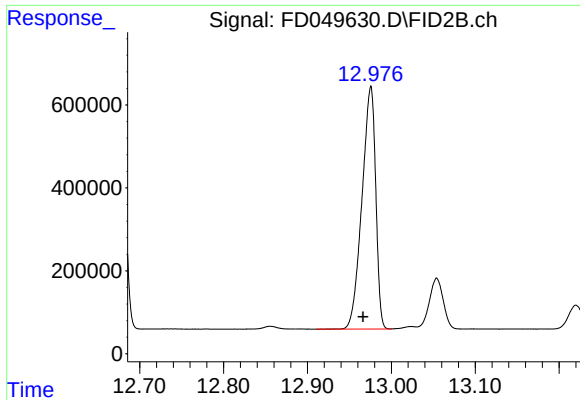
#11 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: 0.004 min
Response: 6337132
Conc: 48.82 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.677 min
Delta R.T.: 0.008 min
Response: 6794874
Conc: 53.08 ug/ml



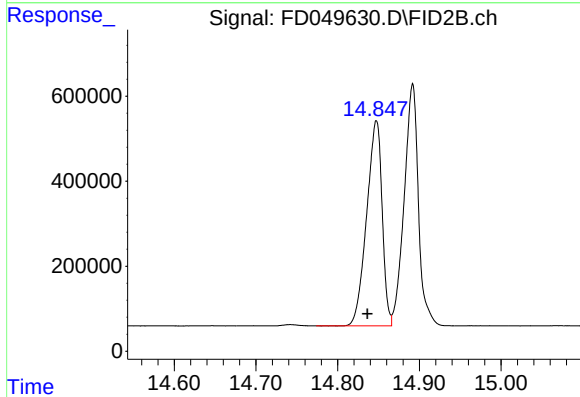
#13 Pyrene (C20.8)

R.T.: 12.975 min
Delta R.T.: 0.009 min
Response: 6670480
Conc: 52.54 ug/ml

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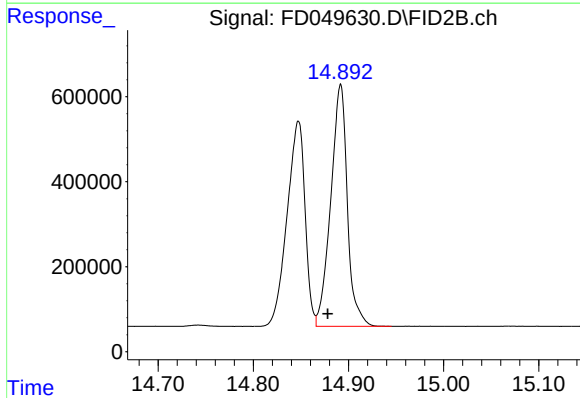
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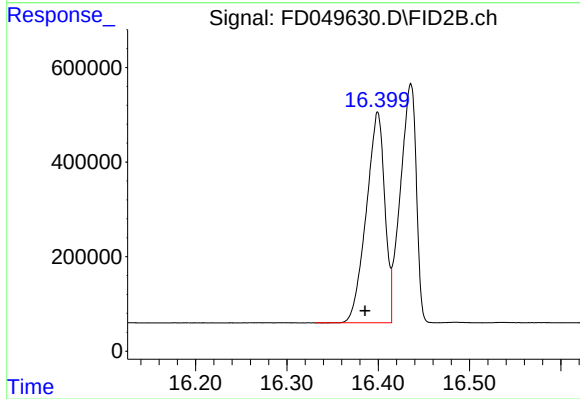
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.847 min
Delta R.T.: 0.011 min
Response: 6355031
Conc: 55.07 ug/ml



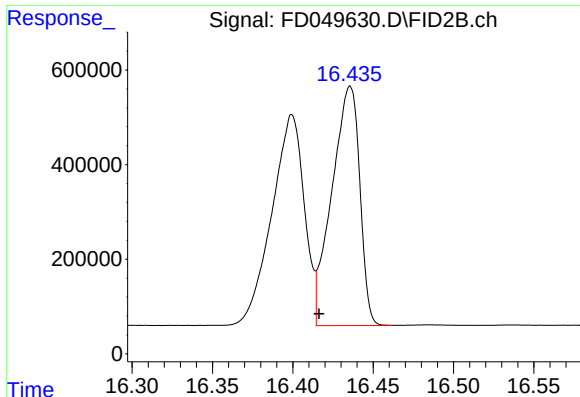
#15 Chrysene (C27.41)

R.T.: 14.892 min
Delta R.T.: 0.014 min
Response: 6901809
Conc: 58.95 ug/ml



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

R.T.: 16.400 min
Delta R.T.: 0.014 min
Response: 6263329
Conc: 55.07 ug/ml



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

R.T.: 16.435 min
Delta R.T.: 0.019 min
Response: 6095171
Conc: 56.94 ug/ml

Instrument :

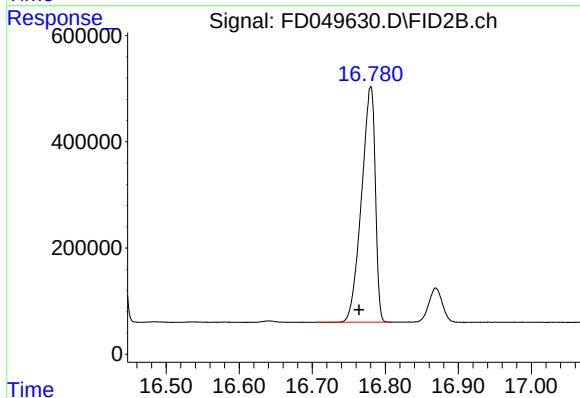
FID_D

ClientSampleId :

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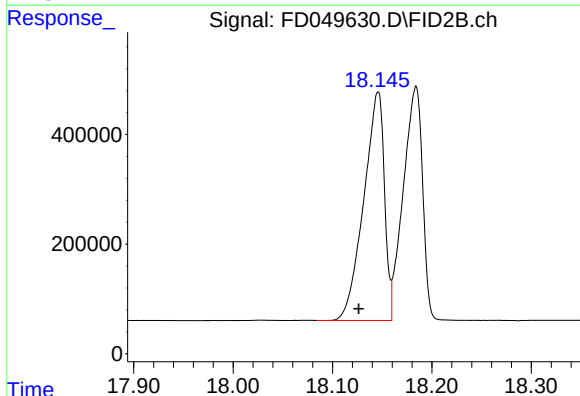
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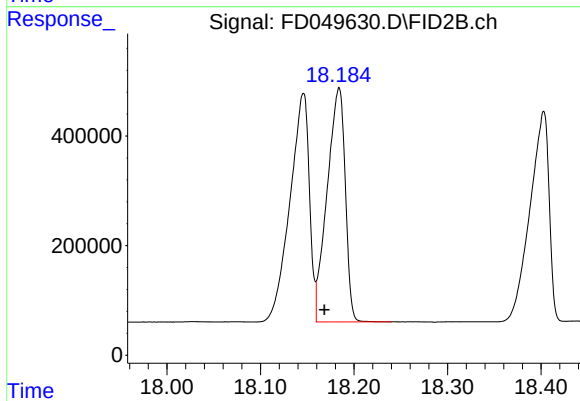
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.780 min
Delta R.T.: 0.016 min
Response: 5822466
Conc: 52.48 ug/ml



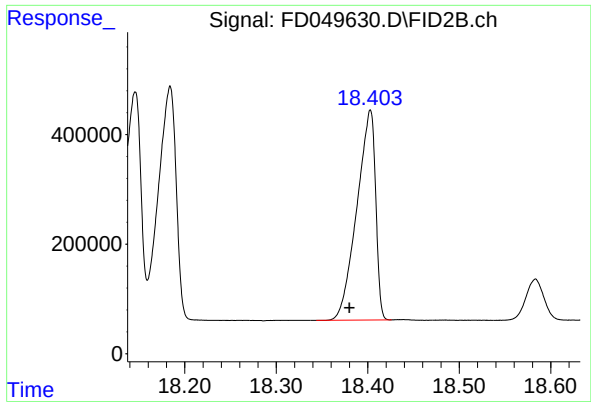
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.146 min
Delta R.T.: 0.019 min
Response: 6022044
Conc: 58.42 ug/ml



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

R.T.: 18.184 min
Delta R.T.: 0.015 min
Response: 5742465
Conc: 52.68 ug/ml



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

R.T.: 18.403 min
Delta R.T.: 0.023 min
Response: 5443678
Conc: 49.82 ug/ml

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