

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030725AR\
 Data File : FD049169.D
 Signal(s) : FID2B.ch
 Acq On : 06 Mar 2025 09:36
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
ClientSampleId :
 100 PPM AROMATIC HC STD1

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 02:35:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 10 02:34:33 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...	7.354	14233081	94.769 ug/ml
Spiked Amount 50.000		Recovery =	189.54%
6) S 2-Fluorobiphenyl (SURR)	8.206	9314999	109.233 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	218.47%#
11) S ortho-Terphenyl (SURR)	11.242	15885582	92.684 ug/ml
Spiked Amount 50.000		Recovery =	185.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.177	15516263	94.473 ug/ml
2) T Naphthalene (C11.7)	5.694	15986008	96.253 ug/ml
3) T 2-Methylnaphthalene (...)	6.742	15593303	94.544 ug/ml
5) T Acenaphthylene (C15.06)	8.009	16009108	94.217 ug/ml
7) T Acenaphthene (C15.5)	8.304	15911858	89.818 ug/ml
8) T Fluorene (C16.55)	9.083	15731068	96.693 ug/ml
9) T Phenanthrene (C19.36)	10.472	15266450	97.177 ug/ml
10) T Anthracene (C19.43)	10.547	14808725	96.304 ug/ml
12) T Fluoranthene (C21.85)	12.278	15425116	95.391 ug/ml
13) T Pyrene (C20.8)	12.572	15317060	96.984 ug/ml
14) T Benzo[a]anthracene (C...	14.444	13951830	109.030 ug/ml
15) T Chrysene (C27.41)	14.488	13736562	87.847 ug/ml
16) T benzo[b]fluoranthene ...	15.995	14317942	104.070 ug/ml
17) T Bnezo[k]fluoranthene ...	16.033	14309028	91.305 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.373	13647231	100.055 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.742	12059011	134.210 ug/ml
20) T Dibenz[a,h]anthracene...	17.776	12526992	80.865 ug/ml
21) T Benzo[g,h,i]perylene ...	17.996	13128960	101.912 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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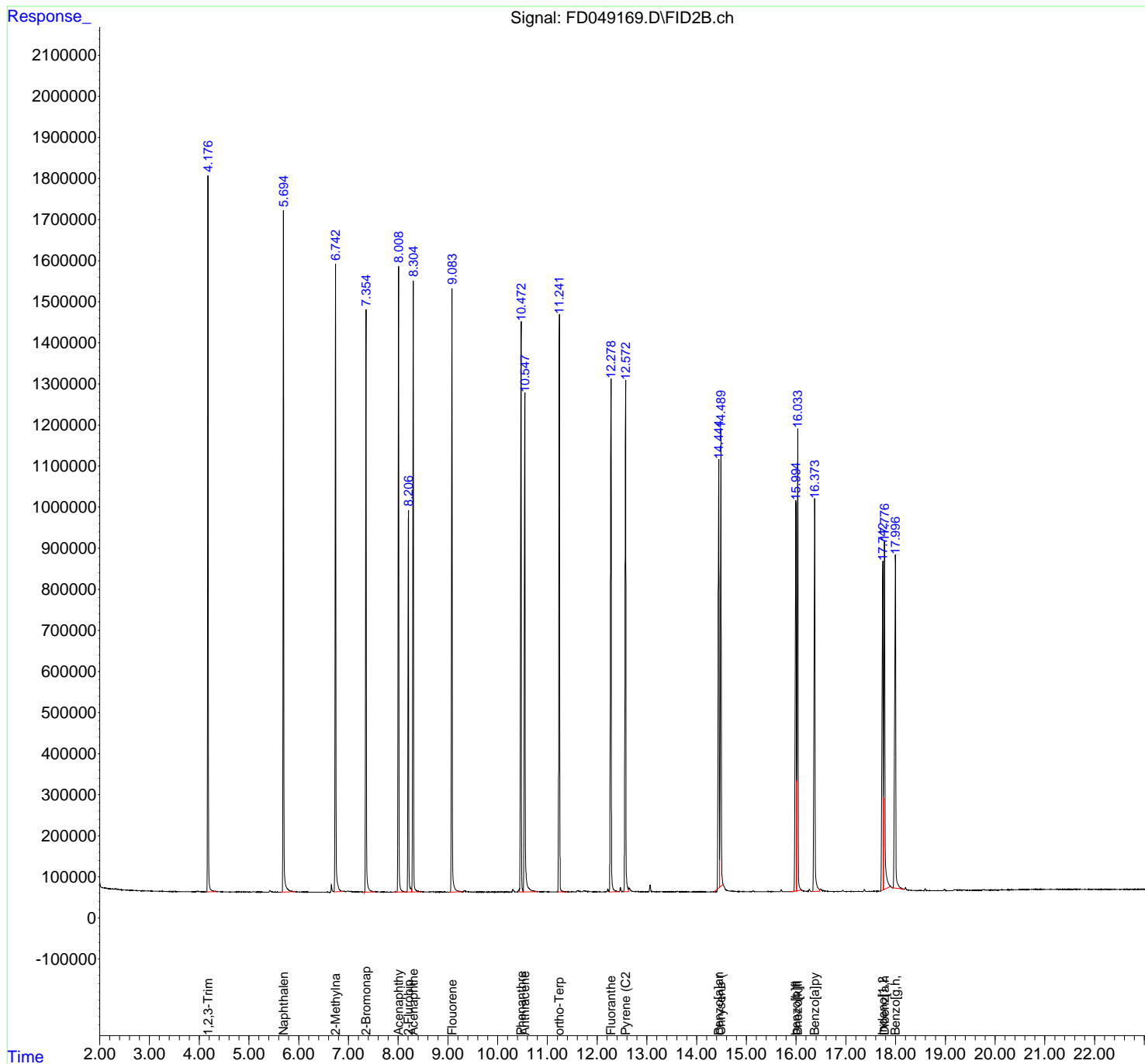
Instrument :
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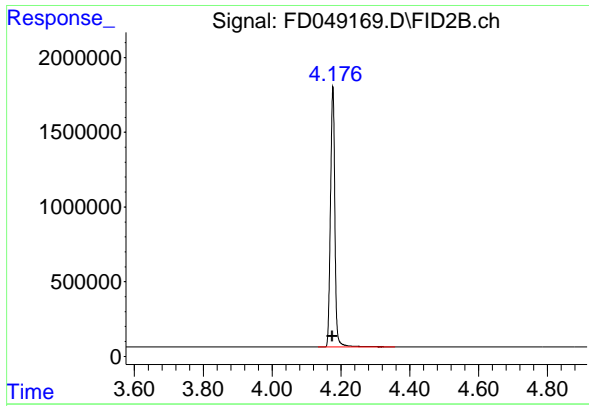
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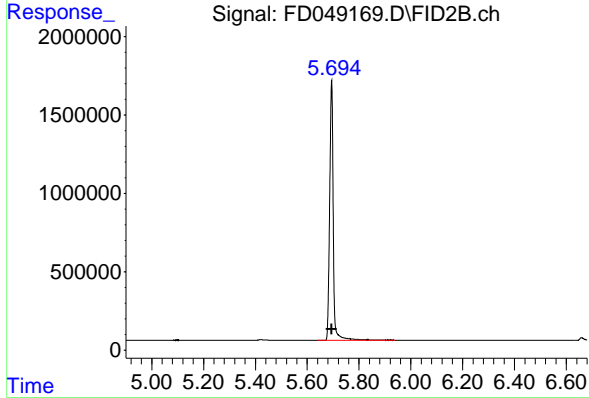
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.177 min
 Delta R.T.: 0.002 min
 Response: 15516263
 Conc: 94.47 ug/ml

Instrument : FID_D
 Client Sample Id : 100 PPM AROMATIC HC STD1

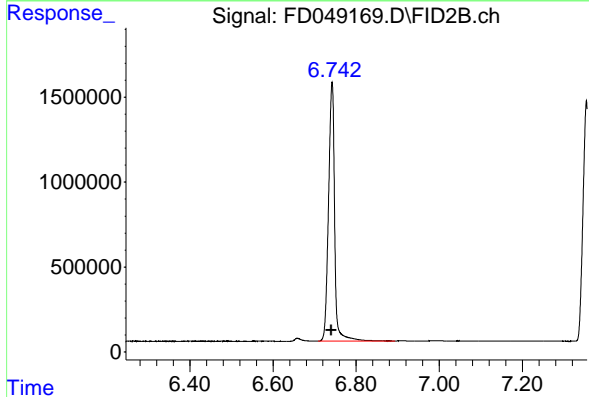
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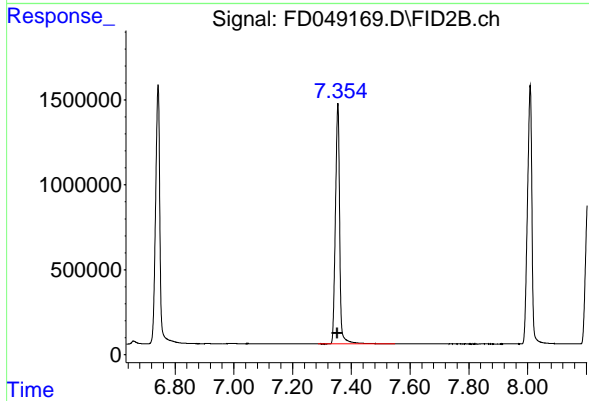
#2 Naphthalene (C11.7)

R.T.: 5.694 min
 Delta R.T.: 0.000 min
 Response: 15986008
 Conc: 96.25 ug/ml



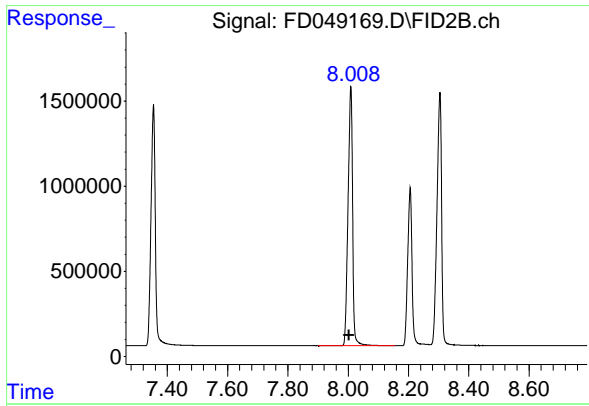
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.742 min
 Delta R.T.: 0.002 min
 Response: 15593303
 Conc: 94.54 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.354 min
 Delta R.T.: 0.002 min
 Response: 14233081
 Conc: 94.77 ug/ml



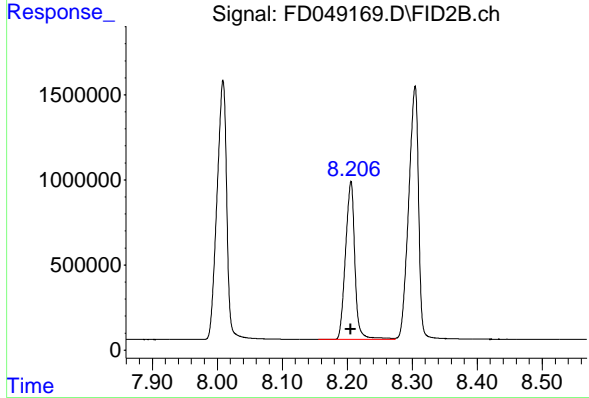
#5 Acenaphthylene (C15.06)

R.T.: 8.009 min
 Delta R.T.: 0.005 min
 Response: 16009108
 Conc: 94.22 ug/ml

Instrument : FID_D
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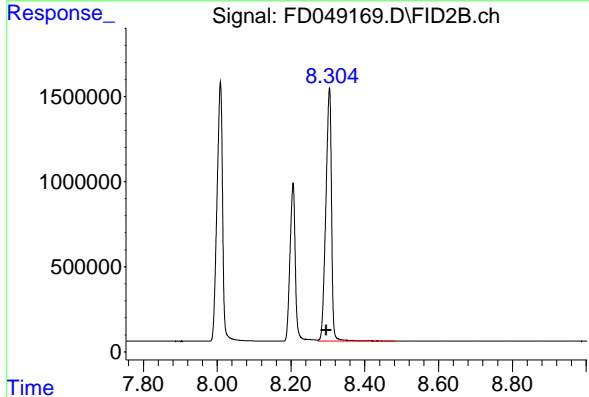
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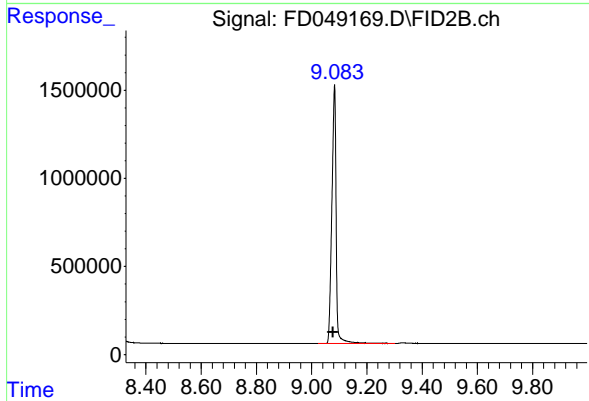
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.206 min
 Delta R.T.: 0.000 min
 Response: 9314999
 Conc: 109.23 ug/ml



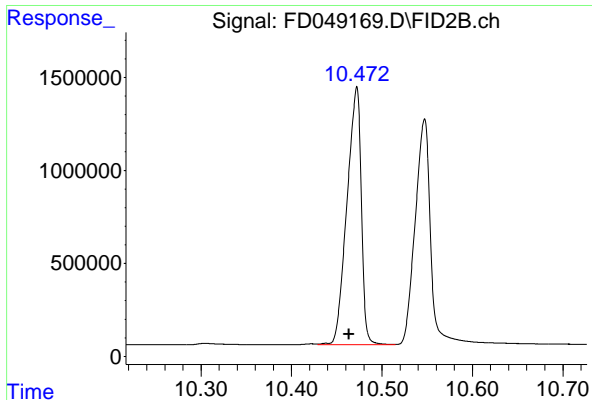
#7 Acenaphthene (C15.5)

R.T.: 8.304 min
 Delta R.T.: 0.009 min
 Response: 15911858
 Conc: 89.82 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.083 min
 Delta R.T.: 0.005 min
 Response: 15731068
 Conc: 96.69 ug/ml



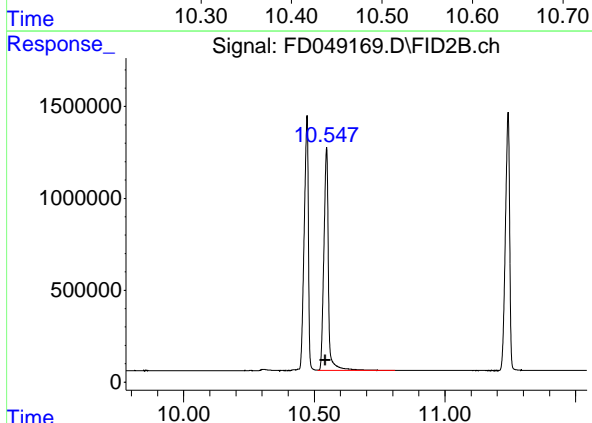
#9 Phenanthrene (C19.36)

R.T.: 10.472 min
 Delta R.T.: 0.008 min
 Response: 15266450
 Conc: 97.18 ug/ml

Instrument : FID_D
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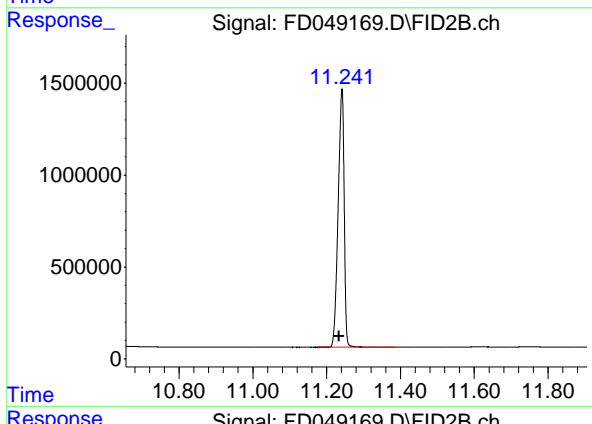
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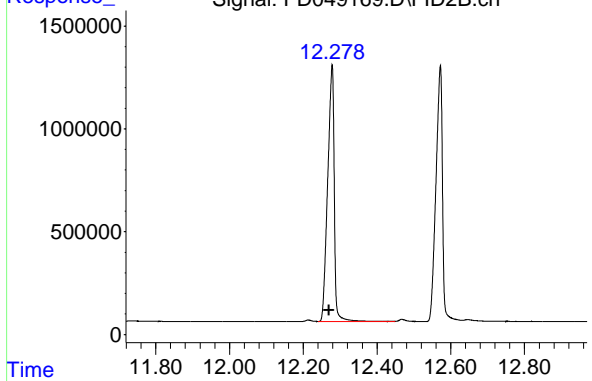
#10 Anthracene (C19.43)

R.T.: 10.547 min
 Delta R.T.: 0.004 min
 Response: 14808725
 Conc: 96.30 ug/ml



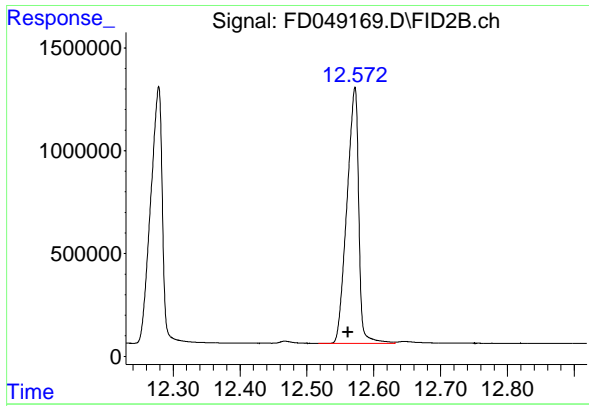
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
 Delta R.T.: 0.008 min
 Response: 15885582
 Conc: 92.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.278 min
 Delta R.T.: 0.009 min
 Response: 15425116
 Conc: 95.39 ug/ml



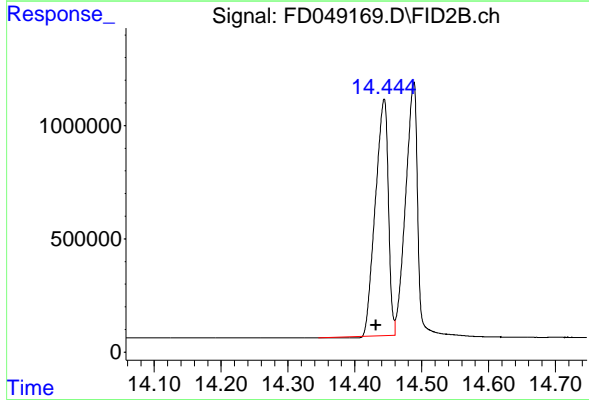
#13 Pyrene (C20.8)

R.T.: 12.572 min
 Delta R.T.: 0.011 min
 Response: 15317060
 Conc: 96.98 ug/ml

Instrument : FID_D
 ClientSampleId : 100 PPM AROMATIC HC STD1

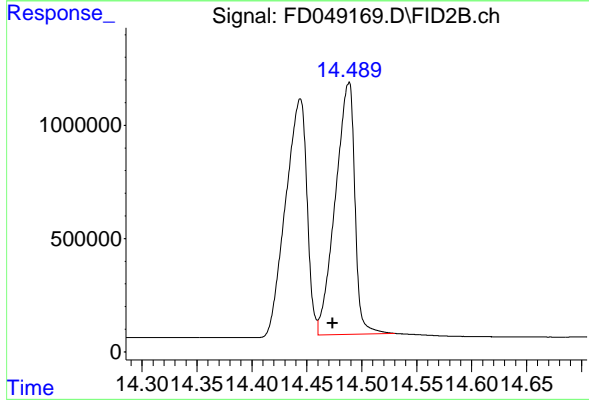
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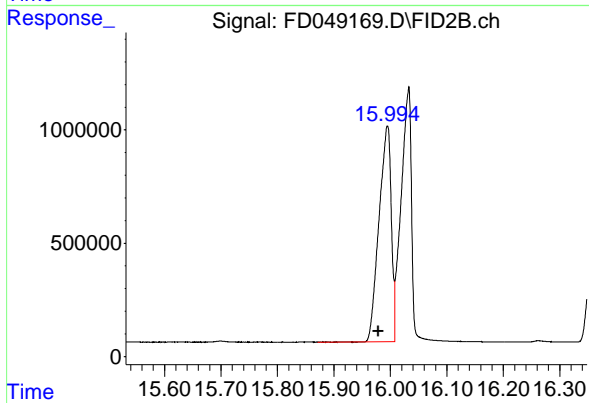
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.444 min
 Delta R.T.: 0.012 min
 Response: 13951830
 Conc: 109.03 ug/ml



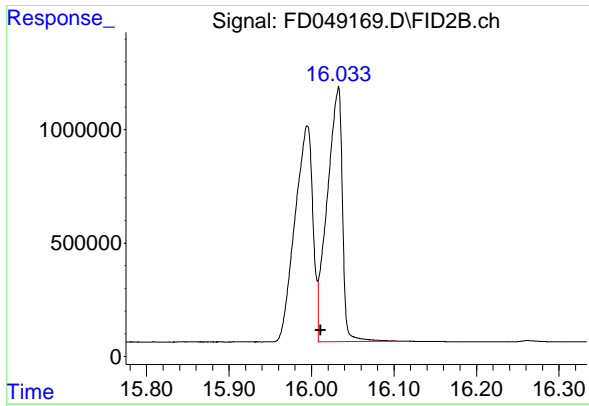
#15 Chrysene (C27.41)

R.T.: 14.488 min
 Delta R.T.: 0.015 min
 Response: 13736562
 Conc: 87.85 ug/ml



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

R.T.: 15.995 min
 Delta R.T.: 0.016 min
 Response: 14317942
 Conc: 104.07 ug/ml



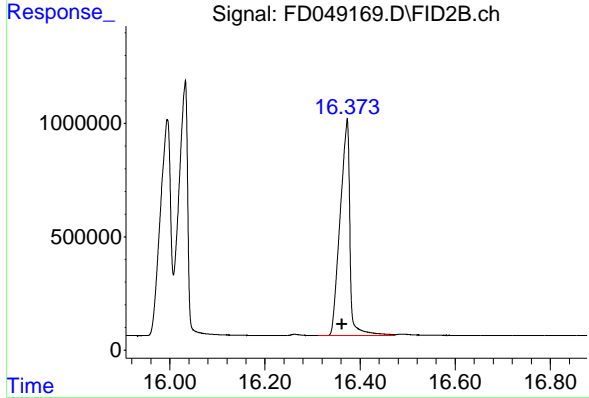
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.033 min
 Delta R.T.: 0.022 min
 Response: 14309028
 Conc: 91.30 ug/ml

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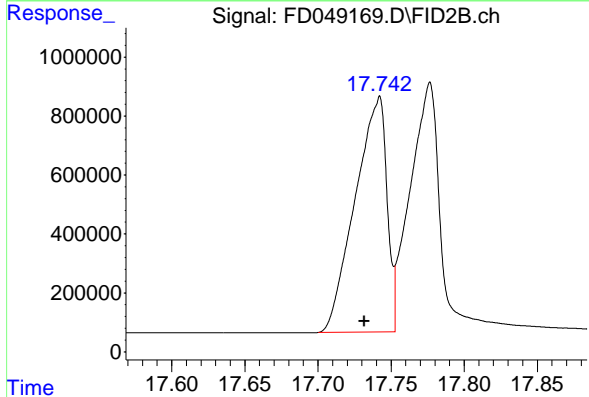
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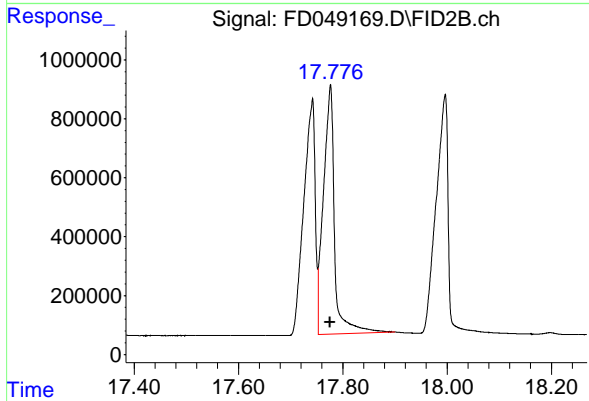
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
 Delta R.T.: 0.010 min
 Response: 13647231
 Conc: 100.06 ug/ml



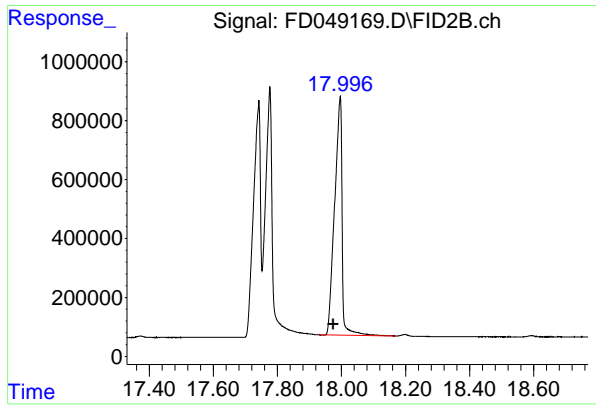
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.742 min
 Delta R.T.: 0.010 min
 Response: 12059011
 Conc: 134.21 ug/ml



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

R.T.: 17.776 min
 Delta R.T.: 0.000 min
 Response: 12526992
 Conc: 80.86 ug/ml



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

R.T.: 17.996 min
Delta R.T.: 0.022 min
Response: 13128960
Conc: 101.91 ug/ml

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