

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021225AR\
 Data File : FD049088.D
 Signal(s) : FID2B.ch
 Acq On : 12 Feb 2025 14:41
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/13/2025
 Supervised By :Ankita Jodhani 02/13/2025

Integration File: autoint1.e
 Quant Time: Feb 13 01:19:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.351	2954715	20.647 ug/ml
Spiked Amount 50.000		Recovery =	41.29%
6) S 2-Fluorobiphenyl (SURR)	8.202	1879758	21.382 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.76%
11) S ortho-Terphenyl (SURR)	11.233	3375214	20.864 ug/ml
Spiked Amount 50.000		Recovery =	41.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.175	3237862	20.331 ug/ml
2) T Naphthalene (C11.7)	5.693	3287962	20.707 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	3229852	20.745 ug/ml
5) T Acenaphthylene (C15.06)	8.002	3327039	20.461 ug/ml
7) T Acenaphthene (C15.5)	8.296	3365711	20.459 ug/ml
8) T Fluorene (C16.55)	9.076	3268869	20.735 ug/ml
9) T Phenanthrene (C19.36)	10.463	3182788	21.120 ug/ml
10) T Anthracene (C19.43)	10.539	3074806	20.359 ug/ml
12) T Fluoranthene (C21.85)	12.267	3299950	21.384 ug/ml
13) T Pyrene (C20.8)	12.558	3274186	21.253 ug/mlm
14) T Benzo[a]anthracene (C...	14.428	2902090	22.088 ug/ml
15) T Chrysene (C27.41)	14.468	3439188	21.271 ug/ml
16) T benzo[b]fluoranthene ...	15.975	2953146	21.463 ug/ml
17) T Bnezo[k]fluoranthene ...	16.006	3290716	20.835 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.353	2849550	20.993 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.718	2254885	20.635 ug/ml
20) T Dibenz[a,h]anthracene...	17.757	3469124	22.361 ug/ml
21) T Benzo[g,h,i]perylene ...	17.967	2930648	20.218 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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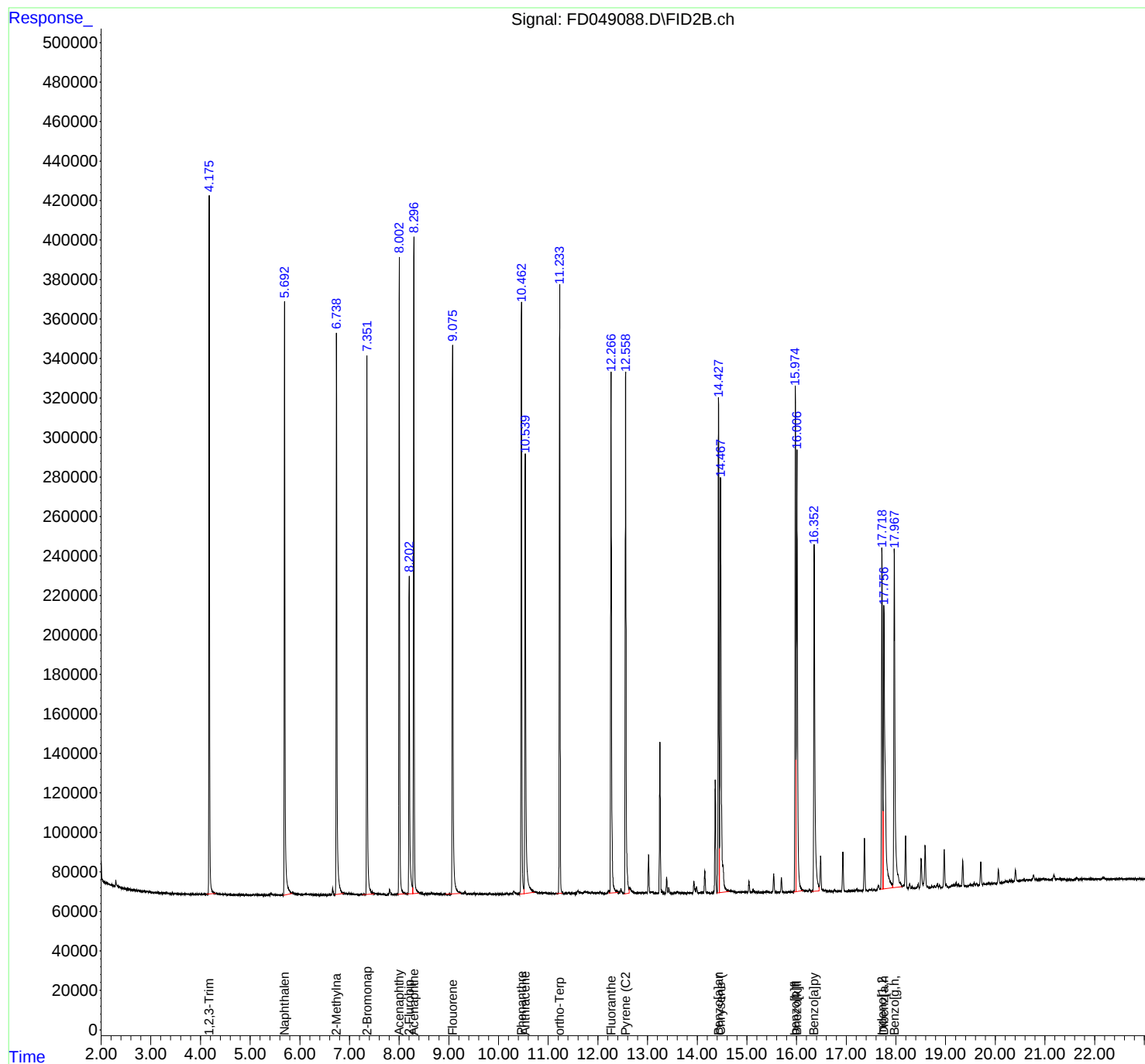
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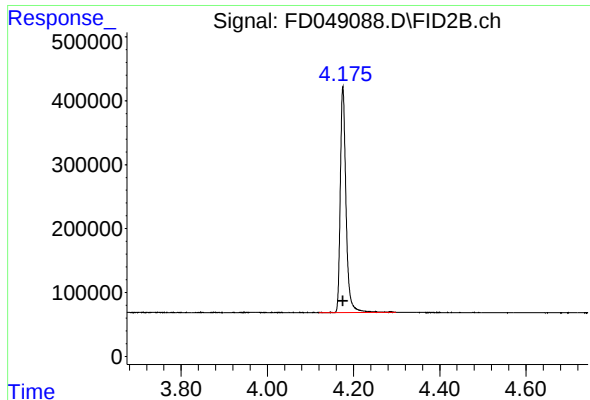
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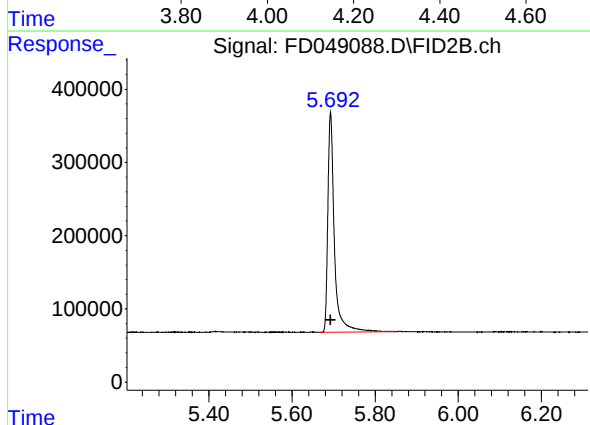
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.175 min
Delta R.T.: 0.000 min
Response: 3237862
Conc: 20.33 ug/ml

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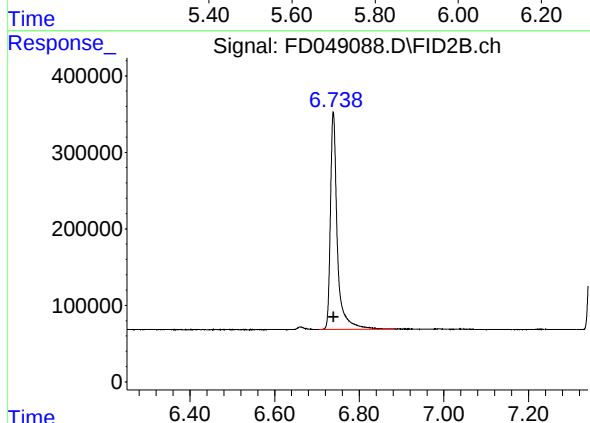
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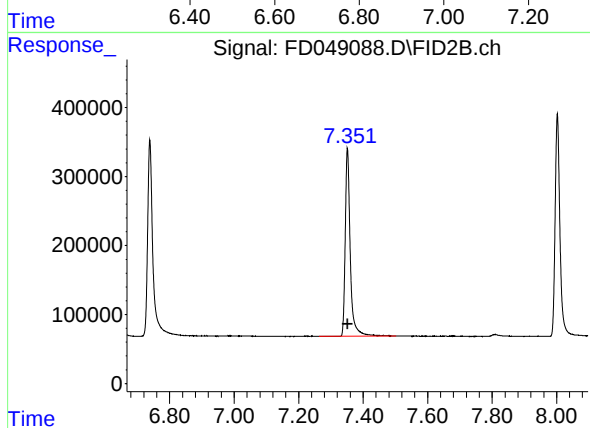
#2 Naphthalene (C11.7)

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 3287962
Conc: 20.71 ug/ml



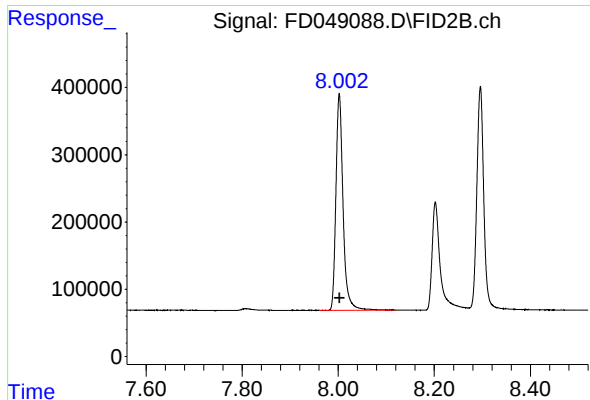
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.739 min
Delta R.T.: 0.000 min
Response: 3229852
Conc: 20.74 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2954715
Conc: 20.65 ug/ml



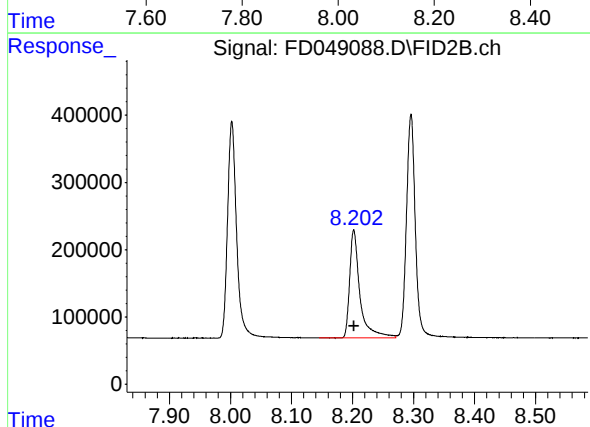
#5 Acenaphthylene (C15.06)

R.T.: 8.002 min
Delta R.T.: 0.000 min
Response: 3327039
Conc: 20.46 ug/ml

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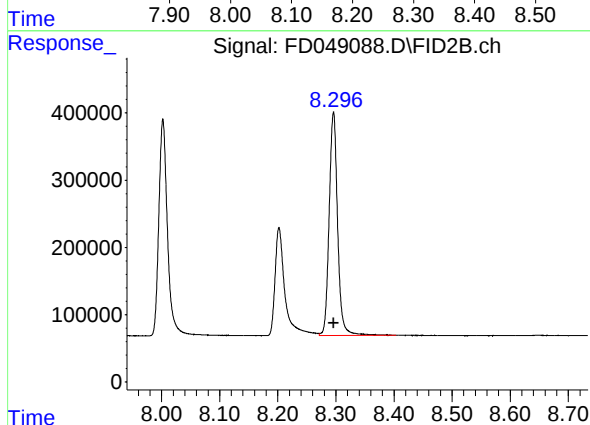
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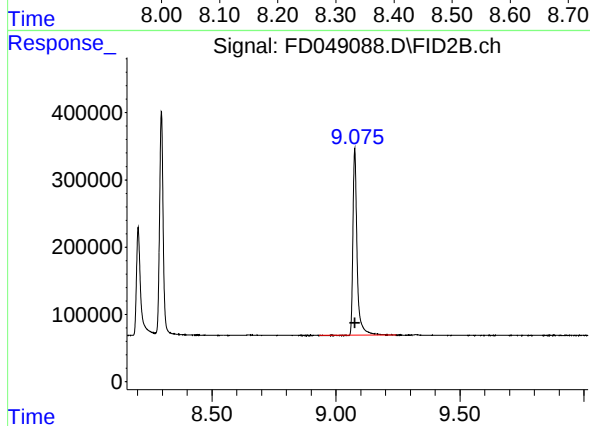
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 1879758
Conc: 21.38 ug/ml



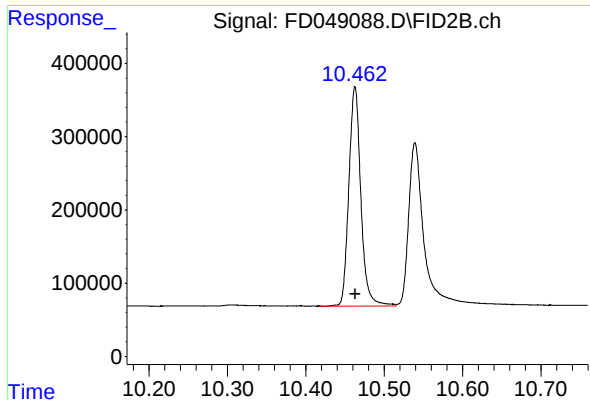
#7 Acenaphthene (C15.5)

R.T.: 8.296 min
Delta R.T.: 0.000 min
Response: 3365711
Conc: 20.46 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 3268869
Conc: 20.74 ug/ml



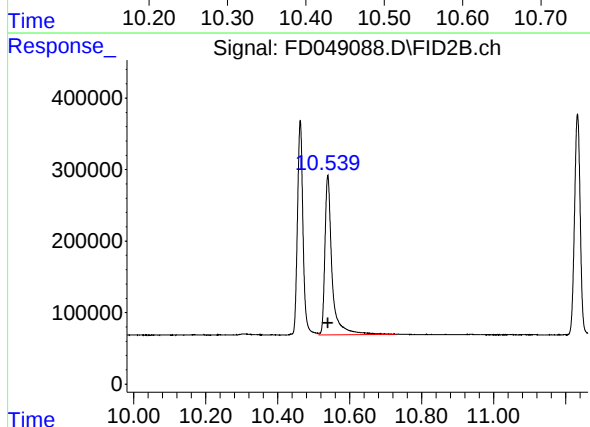
#9 Phenanthrene (C19.36)

R.T.: 10.463 min
Delta R.T.: 0.000 min
Response: 3182788
Conc: 21.12 ug/ml

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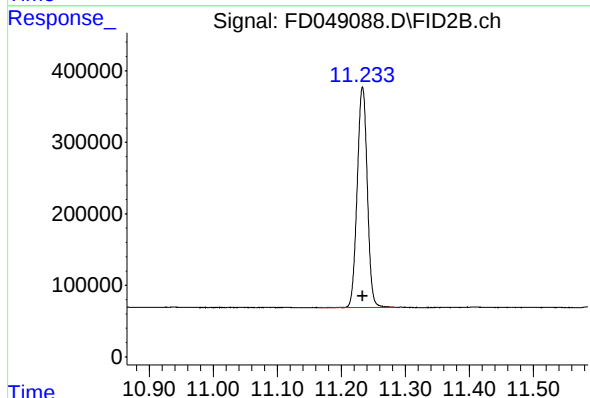
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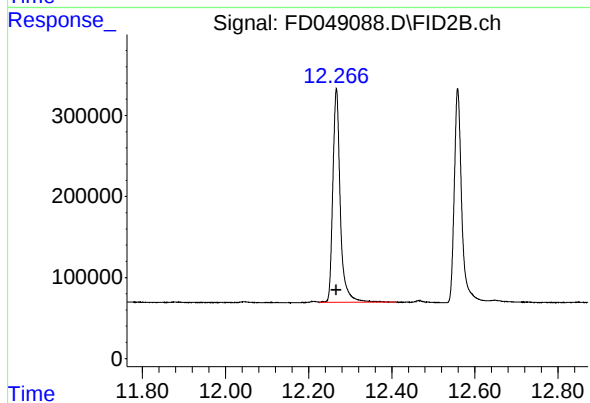
#10 Anthracene (C19.43)

R.T.: 10.539 min
Delta R.T.: 0.000 min
Response: 3074806
Conc: 20.36 ug/ml



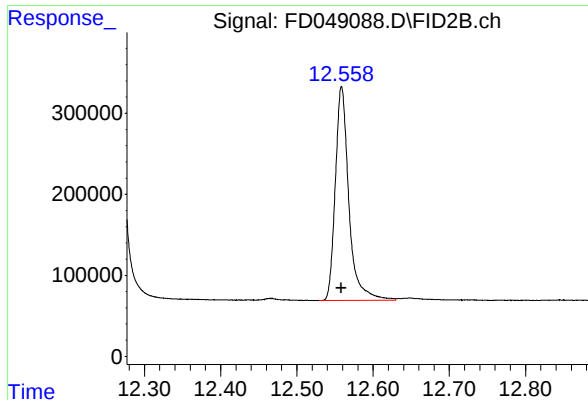
#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: 0.000 min
Response: 3375214
Conc: 20.86 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.267 min
Delta R.T.: 0.000 min
Response: 3299950
Conc: 21.38 ug/ml



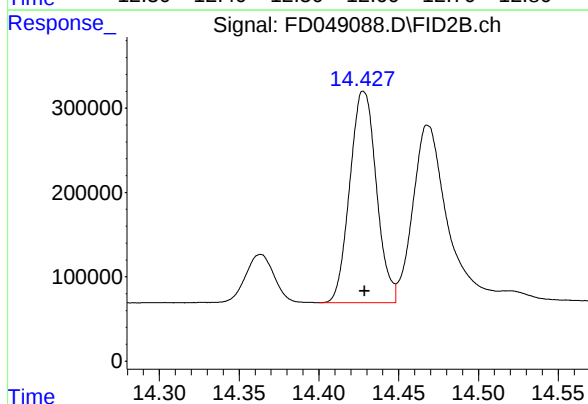
#13 Pyrene (C20.8)

R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 3274186
Conc: 21.25 ug/ml

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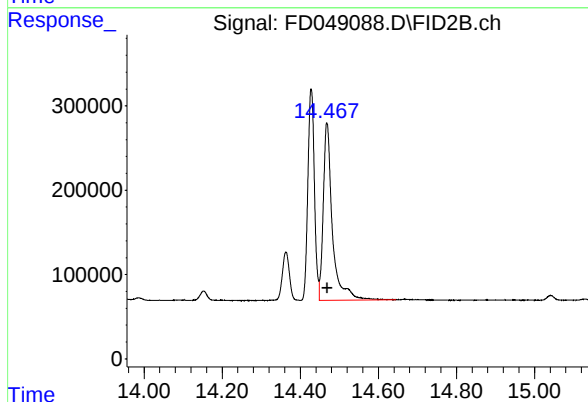
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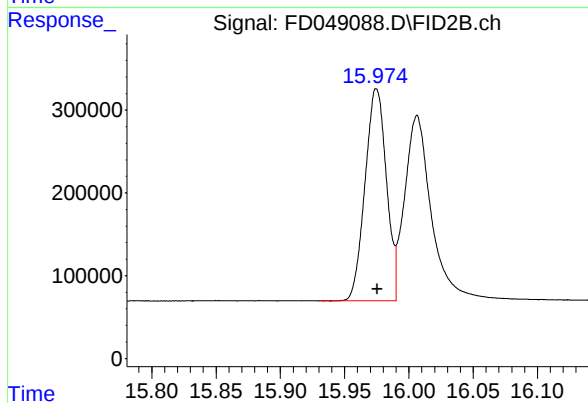
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.428 min
Delta R.T.: 0.000 min
Response: 2902090
Conc: 22.09 ug/ml



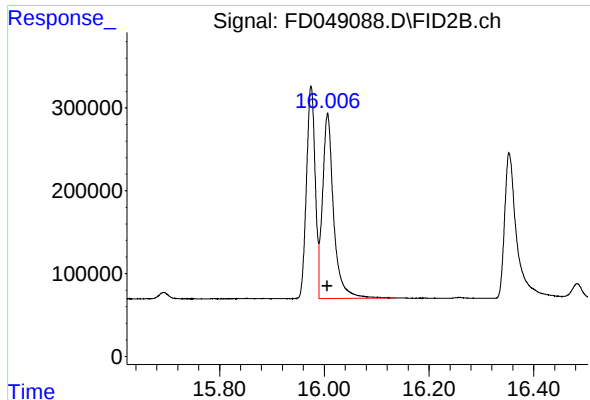
#15 Chrysene (C27.41)

R.T.: 14.468 min
Delta R.T.: -0.001 min
Response: 3439188
Conc: 21.27 ug/ml



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

R.T.: 15.975 min
Delta R.T.: 0.000 min
Response: 2953146
Conc: 21.46 ug/ml



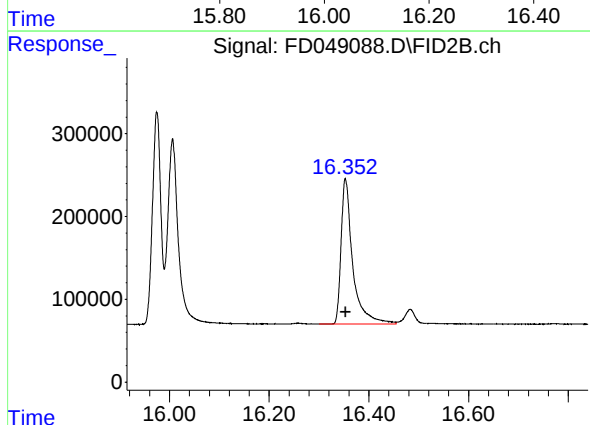
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.006 min
Delta R.T.: 0.000 min
Response: 3290716
Conc: 20.83 ug/ml

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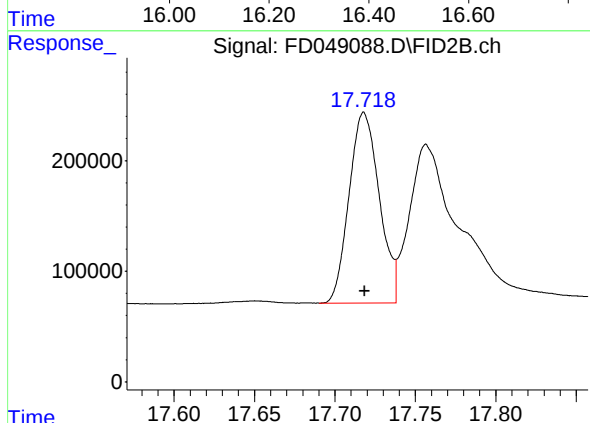
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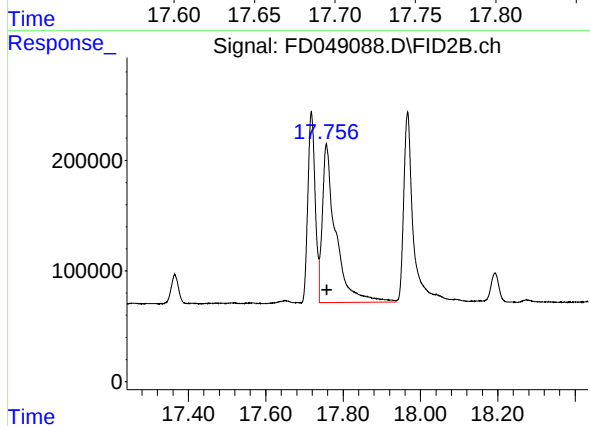
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.353 min
Delta R.T.: 0.000 min
Response: 2849550
Conc: 20.99 ug/ml



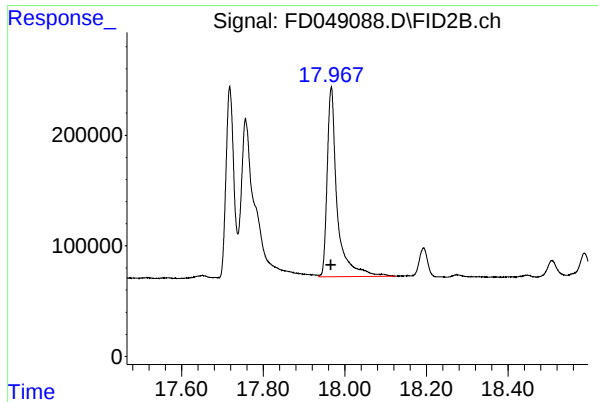
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.718 min
Delta R.T.: 0.000 min
Response: 2254885
Conc: 20.63 ug/ml



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

R.T.: 17.757 min
Delta R.T.: -0.002 min
Response: 3469124
Conc: 22.36 ug/ml



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

R.T.: 17.967 min
Delta R.T.: 0.001 min
Response: 2930648
Conc: 20.22 ug/ml

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