

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048949.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 11:10
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/27/2025
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
 Quant Time: Jan 25 03:32:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 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...	7.368	717868	5.113 ug/ml
Spiked Amount 50.000		Recovery =	10.23%
6) S 2-Fluorobiphenyl (SURR)	8.233	339783	3.905 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	7.81%
11) S ortho-Terphenyl (SURR)	11.242	879266	5.492 ug/ml
Spiked Amount 50.000		Recovery =	10.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.184	789589	5.221 ug/ml
2) T Naphthalene (C11.7)	5.708	759669	4.905 ug/ml
3) T 2-Methylnaphthalene (...)	6.756	770079	5.012 ug/ml
5) T Acenaphthylene (C15.06)	8.016	854846	5.338 ug/ml
7) T Acenaphthene (C15.5)	8.305	948275	5.877 ug/ml
8) T Flouorene (C16.55)	9.095	763400	4.914 ug/ml
9) T Phenanthrene (C19.36)	10.483	750630	4.987 ug/ml
10) T Anthracene (C19.43)	10.566	743883	4.913 ug/ml
12) T Fluoranthene (C21.85)	12.291	810442	5.286 ug/ml
13) T Pyrene (C20.8)	12.579	825951	5.450 ug/ml
14) T Benzo[a]anthracene (C...	14.456	474873	3.528 ug/ml
15) T Chrysene (C27.41)	14.492	1000984	6.333 ug/ml
16) T benzo[b]fluoranthene ...	15.999	587465	4.212 ug/ml
17) T Bnezo[k]fluoranthene ...	16.034	932809	6.087 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.395	689943	5.070 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.768	411157	4.140 ug/ml
20) T Dibenz[a,h]anthracene...	17.816	699298	4.819 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.998	746404	5.370 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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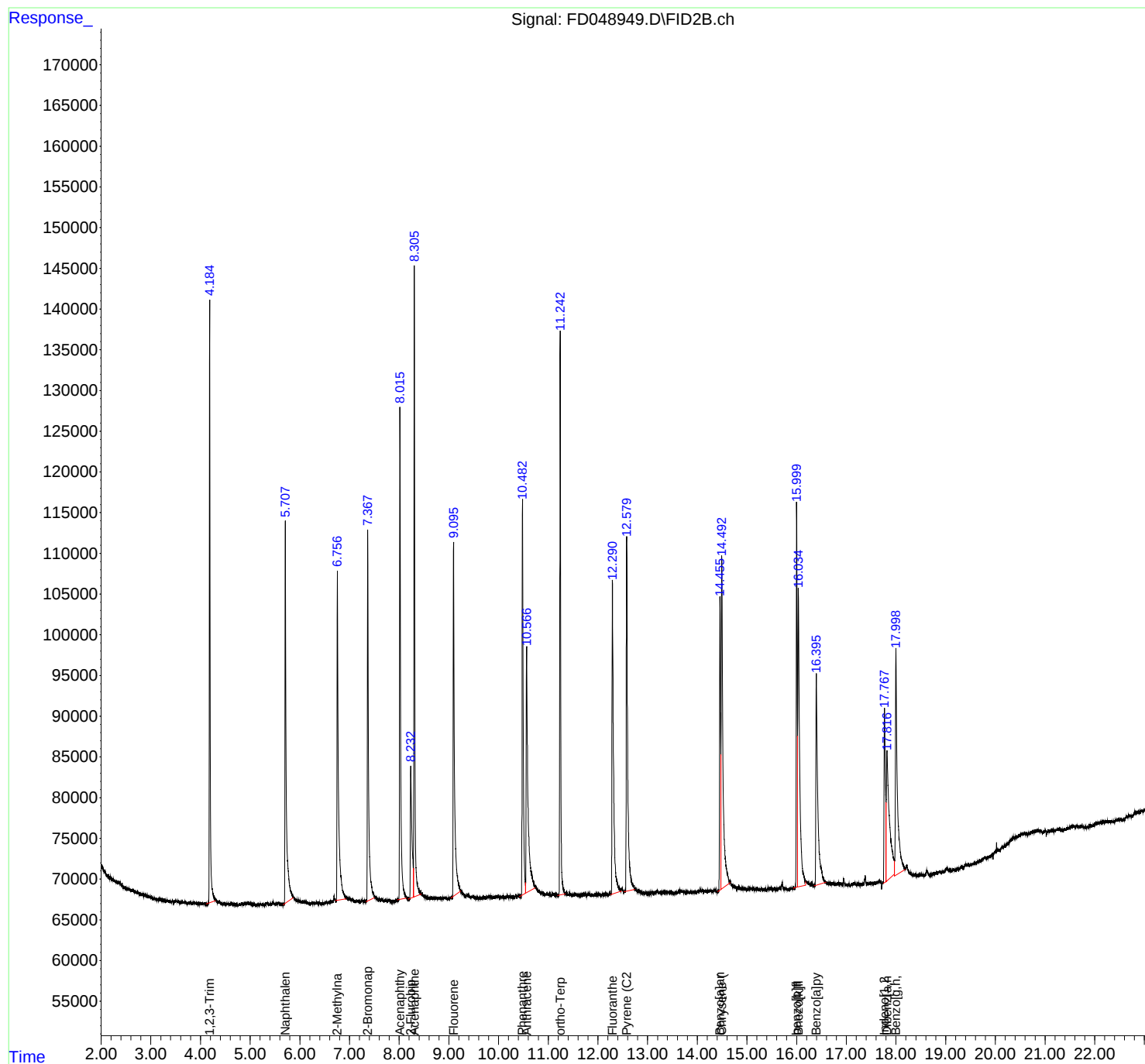
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

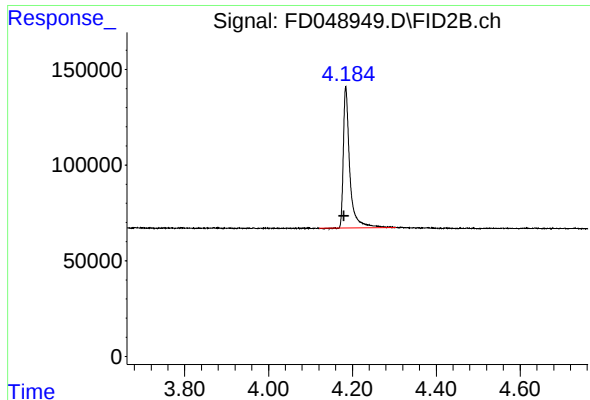
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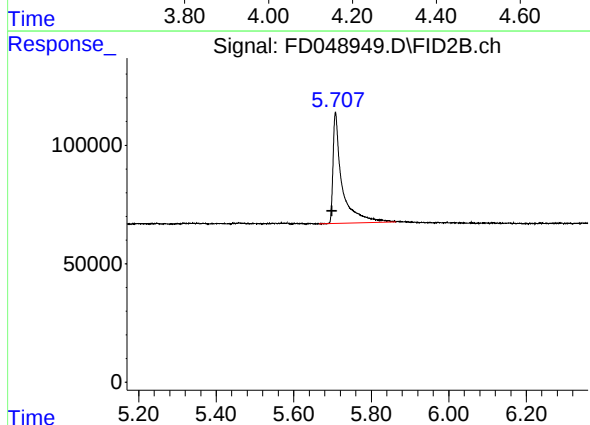
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.184 min
Delta R.T.: 0.004 min
Response: 789589
Conc: 5.22 ug/ml

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5 PPM AROMATIC HC STD5

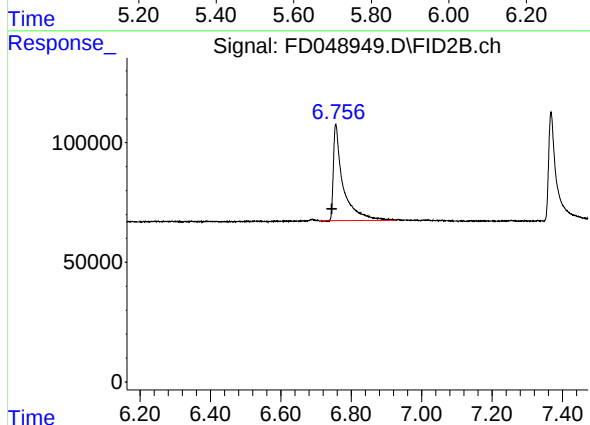
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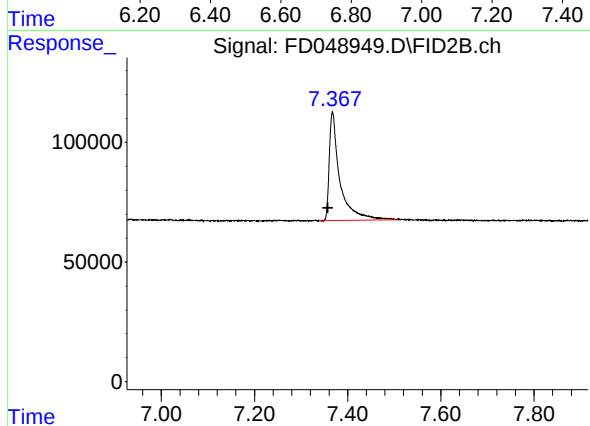
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.009 min
Response: 759669
Conc: 4.90 ug/ml



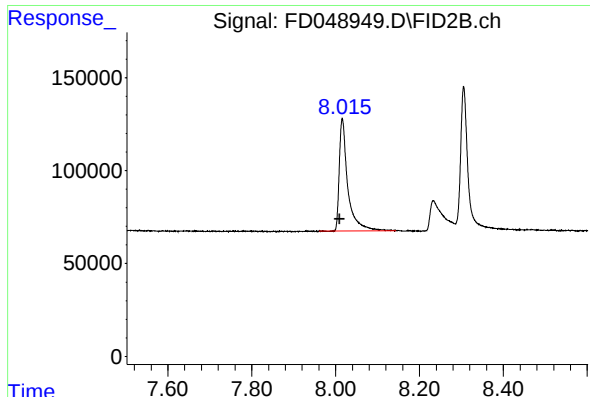
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.011 min
Response: 770079
Conc: 5.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.010 min
Response: 717868
Conc: 5.11 ug/ml



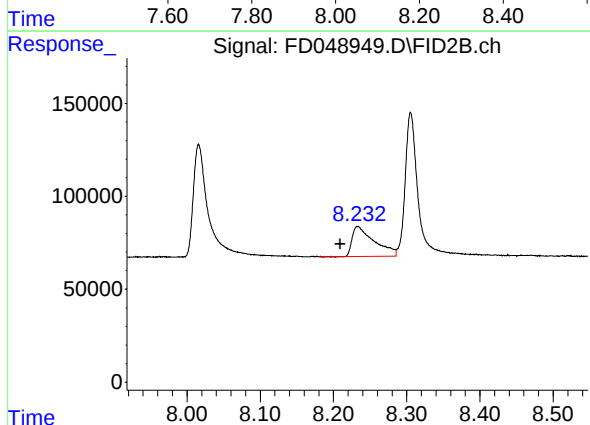
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.007 min
Response: 854846
Conc: 5.34 ug/ml

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5 PPM AROMATIC HC STD5

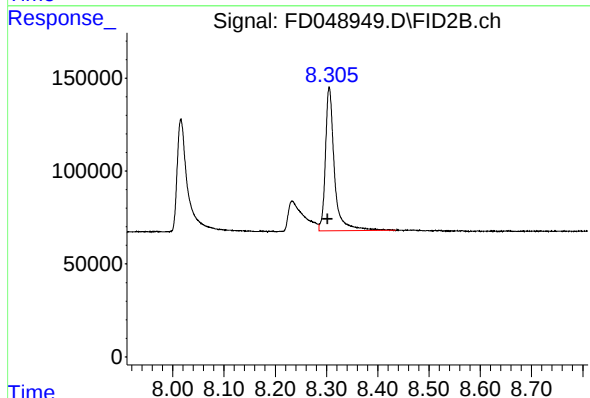
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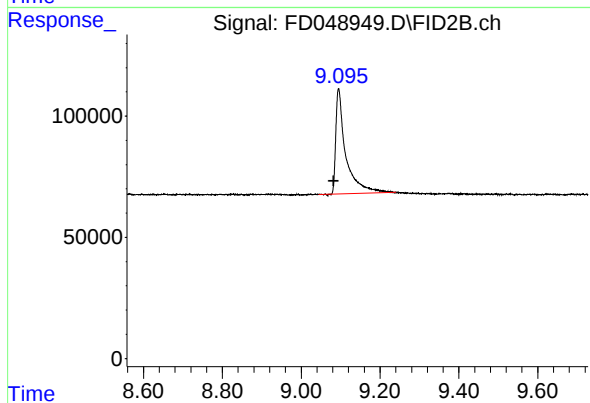
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: 0.024 min
Response: 339783
Conc: 3.91 ug/ml



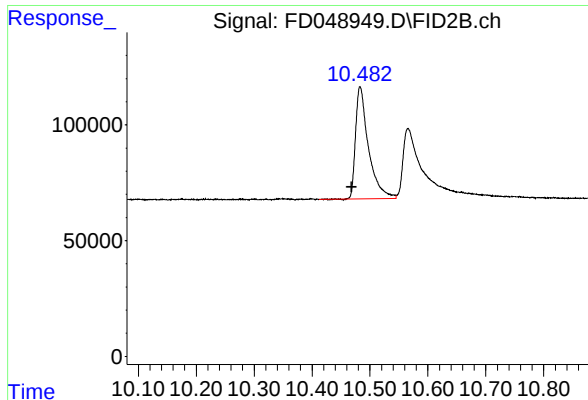
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 948275
Conc: 5.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.095 min
Delta R.T.: 0.012 min
Response: 763400
Conc: 4.91 ug/ml



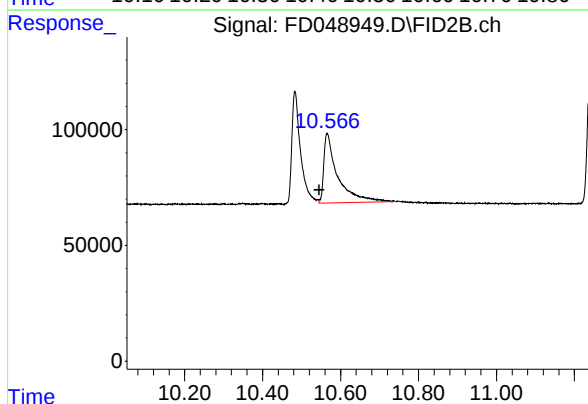
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.015 min
Response: 750630
Conc: 4.99 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

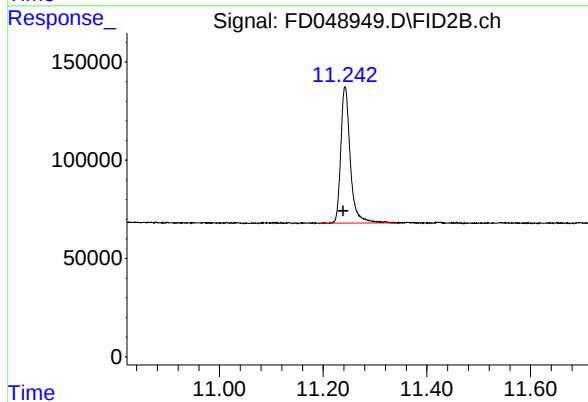
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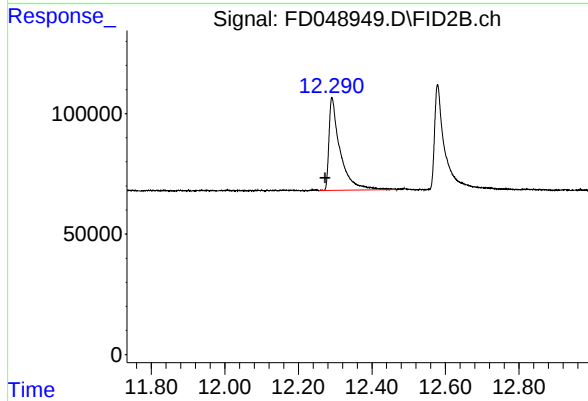
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: 0.020 min
Response: 743883
Conc: 4.91 ug/ml



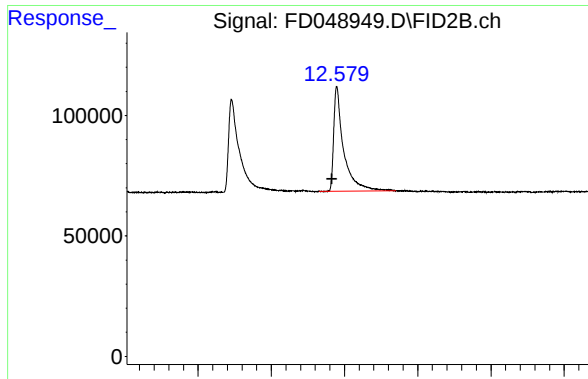
#11 ortho-Terphenyl (SURRE)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 879266
Conc: 5.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.018 min
Response: 810442
Conc: 5.29 ug/ml



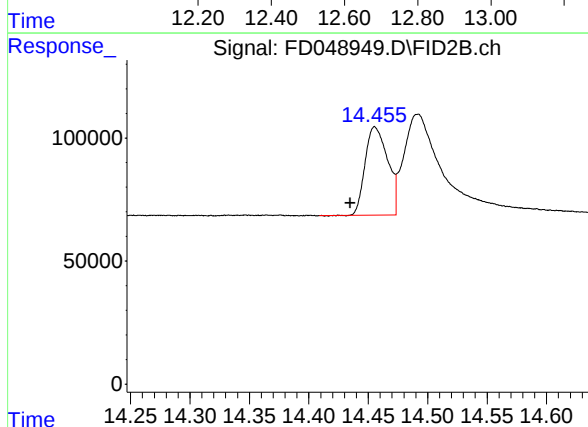
#13 Pyrene (C20.8)

R.T.: 12.579 min
Delta R.T.: 0.014 min
Response: 825951
Conc: 5.45 ug/ml

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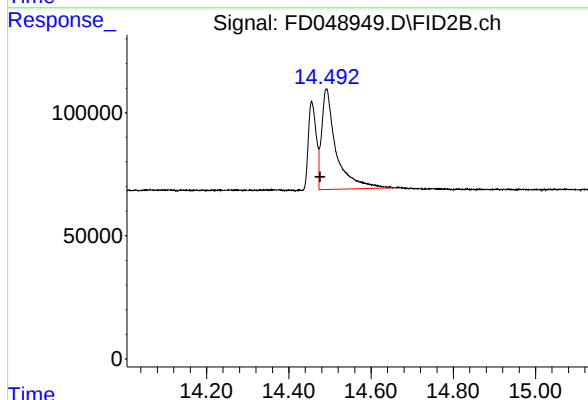
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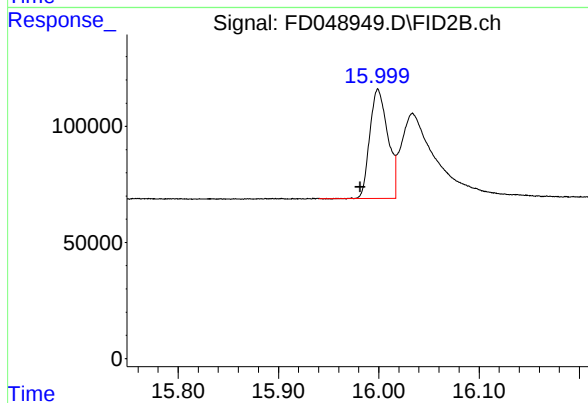
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.021 min
Response: 474873
Conc: 3.53 ug/ml



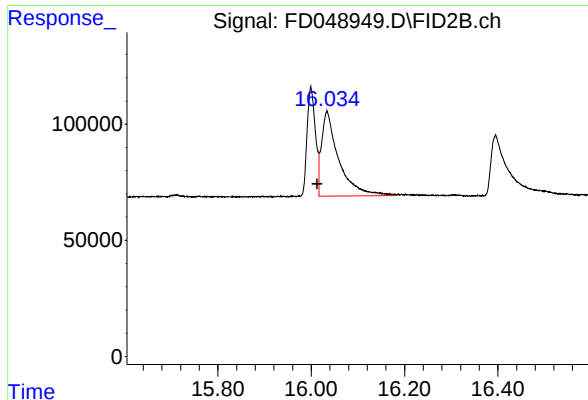
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.015 min
Response: 1000984
Conc: 6.33 ug/ml



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

R.T.: 15.999 min
Delta R.T.: 0.018 min
Response: 587465
Conc: 4.21 ug/ml



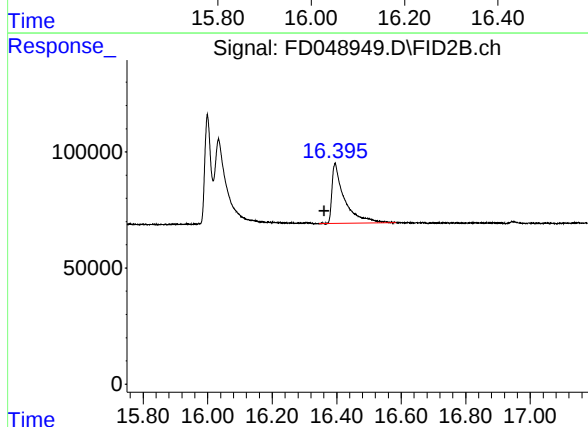
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.034 min
Delta R.T.: 0.021 min
Response: 932809
Conc: 6.09 ug/ml

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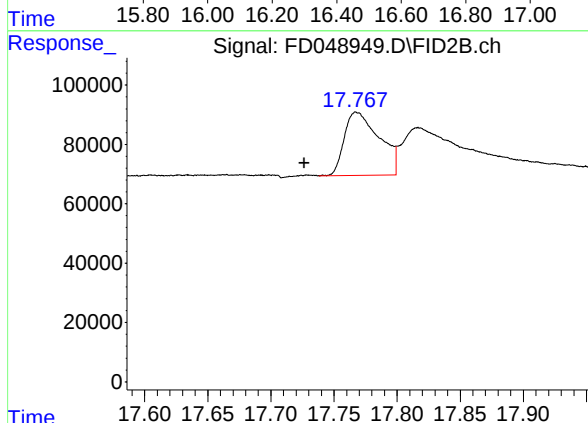
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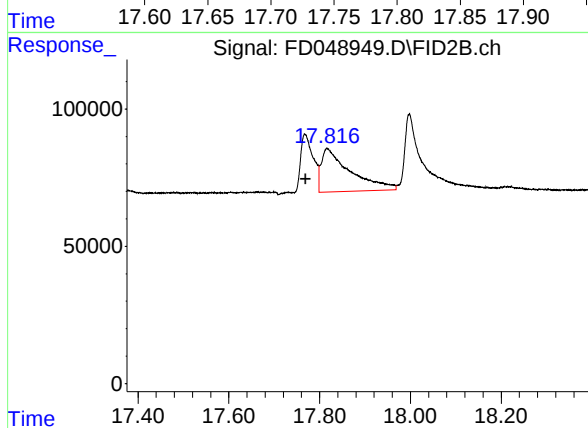
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.033 min
Response: 689943
Conc: 5.07 ug/ml



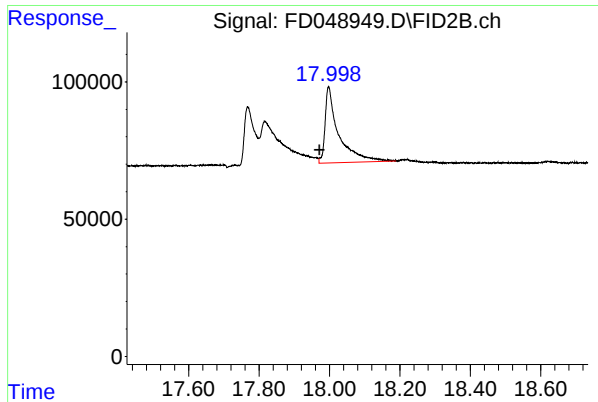
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.768 min
Delta R.T.: 0.041 min
Response: 411157
Conc: 4.14 ug/ml



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

R.T.: 17.816 min
Delta R.T.: 0.047 min
Response: 699298
Conc: 4.82 ug/ml m



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

R.T.: 17.998 min
Delta R.T.: 0.025 min
Response: 746404
Conc: 5.37 ug/ml

Instrument :

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