

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062323AR\
 Data File : FD045920.D
 Signal(s) : FID2B.ch
 Acq On : 23 Jun 2023 09:11
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :Ankita Jodhani 06/26/2023

Integration File: autoint1.e
 Quant Time: Jun 23 13:18:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052723.M
 Quant Title : GC Extractables
 QLast Update : Sat May 27 06:44:25 2023
 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...	7.517	3258161	18.072 ug/ml
Spiked Amount 50.000		Recovery =	36.14%
6) S 2-Fluorobiphenyl (SURR)	8.372	2092670	17.406 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	34.81%
11) S ortho-Terphenyl (SURR)	11.411	3840735	17.195 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.327	3788784	18.768 ug/ml
2) T Naphthalene (C11.7)	5.856	3880714	18.314 ug/ml
3) T 2-Methylnaphthalene (...)	6.905	3833923	18.153 ug/ml
5) T Acenaphthylene (C15.06)	8.176	3371204	17.794 ug/ml
7) T Acenaphthene (C15.5)	8.472	3588707	17.750 ug/ml
8) T Fluorene (C16.55)	9.250	3409897	17.210 ug/ml
9) T Phenanthrene (C19.36)	10.639	3180802	16.626 ug/ml
10) T Anthracene (C19.43)	10.713	2950265	17.319 ug/ml
12) T Fluoranthene (C21.85)	12.443	2990183	16.185 ug/ml
13) T Pyrene (C20.8)	12.737	2894894	16.209 ug/ml
14) T Benzo[a]anthracene (C...	14.600	2609950	16.670 ug/mlm
15) T Chrysene (C27.41)	14.643	2727862	16.534 ug/ml
16) T benzo[b]fluoranthene ...	16.142	2715043	17.939 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.174	2658686	17.173 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.516	2650459	18.124 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.873	2622707	17.907 ug/mlm
20) T Dibenz[a,h]anthracene...	17.915	2610126	17.399 ug/ml
21) T Benzo[g,h,i]perylene ...	18.126	2727041	18.482 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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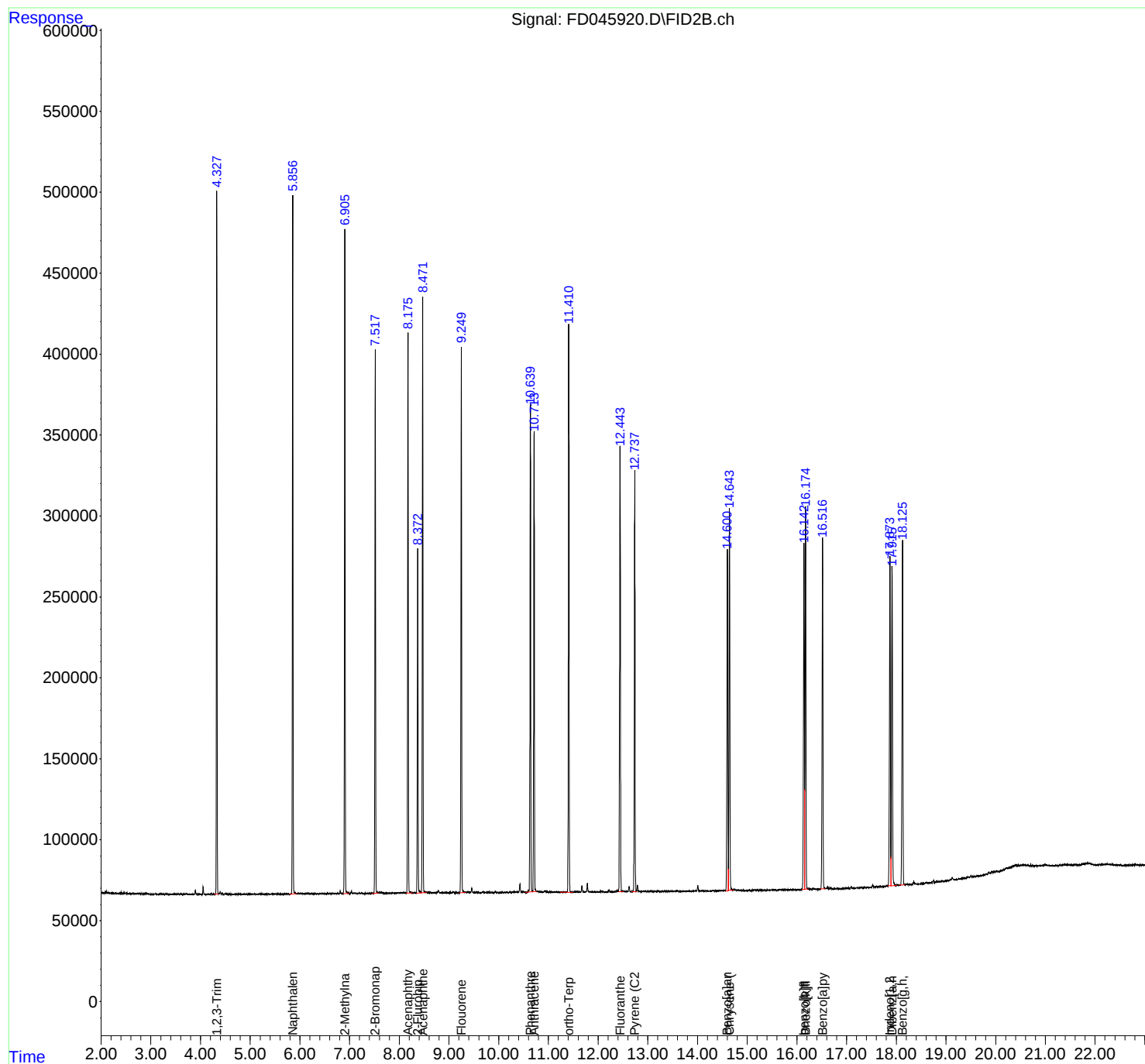
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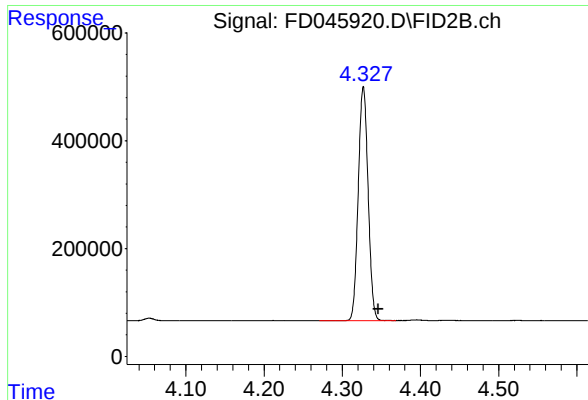
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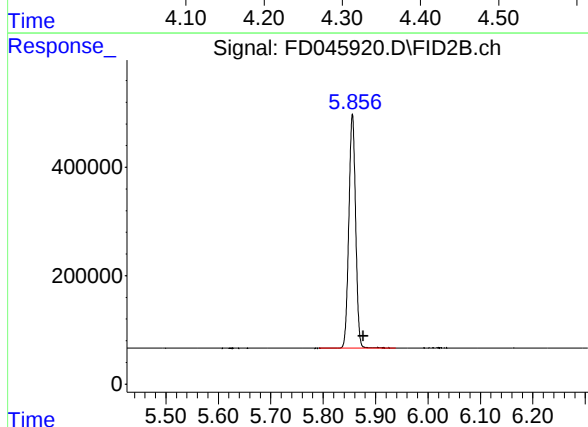
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.327 min
Delta R.T.: -0.019 min
Response: 3788784
Conc: 18.77 ug/ml

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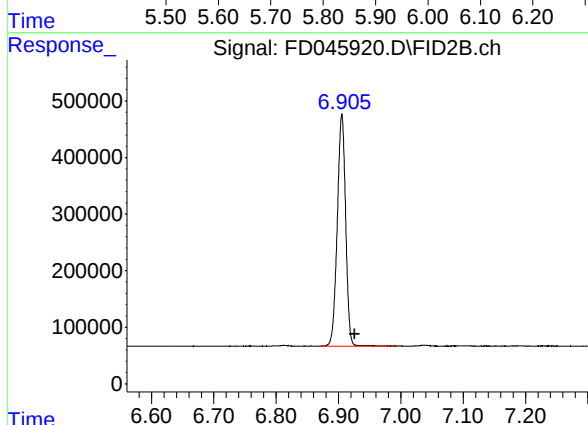
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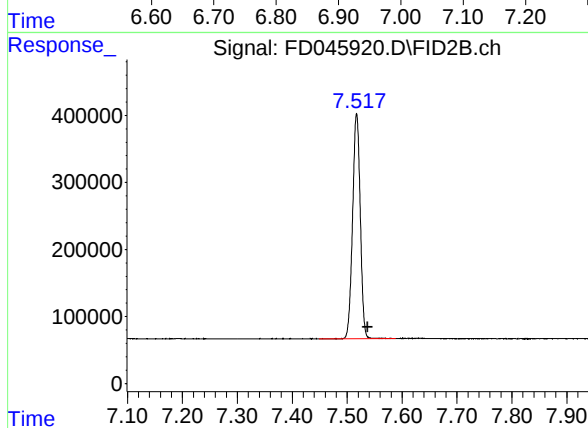
#2 Naphthalene (C11.7)

R.T.: 5.856 min
Delta R.T.: -0.021 min
Response: 3880714
Conc: 18.31 ug/ml



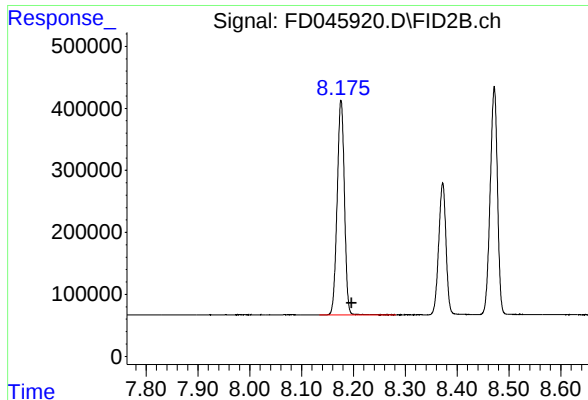
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.905 min
Delta R.T.: -0.021 min
Response: 3833923
Conc: 18.15 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.517 min
Delta R.T.: -0.020 min
Response: 3258161
Conc: 18.07 ug/ml



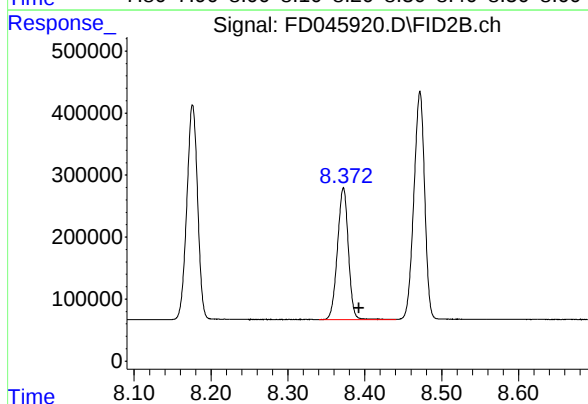
#5 Acenaphthylene (C15.06)

R.T.: 8.176 min
Delta R.T.: -0.021 min
Response: 3371204
Conc: 17.79 ug/ml

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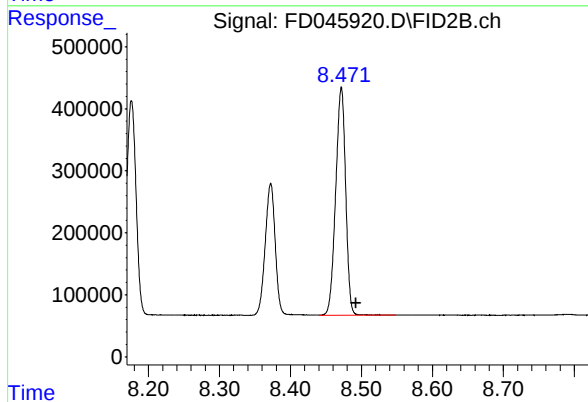
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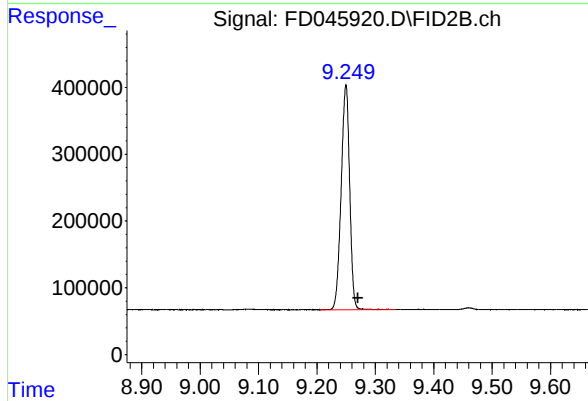
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.372 min
Delta R.T.: -0.021 min
Response: 2092670
Conc: 17.41 ug/ml



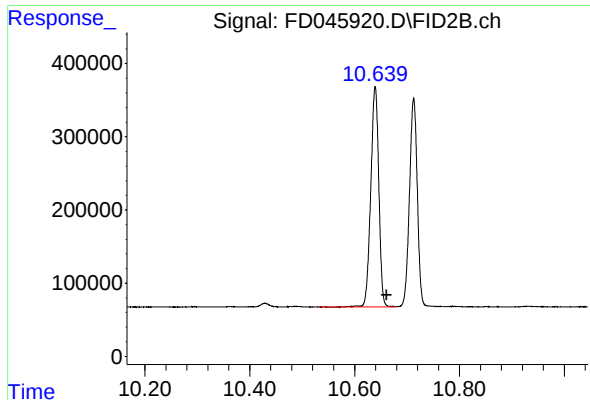
#7 Acenaphthene (C15.5)

R.T.: 8.472 min
Delta R.T.: -0.021 min
Response: 3588707
Conc: 17.75 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.250 min
Delta R.T.: -0.021 min
Response: 3409897
Conc: 17.21 ug/ml



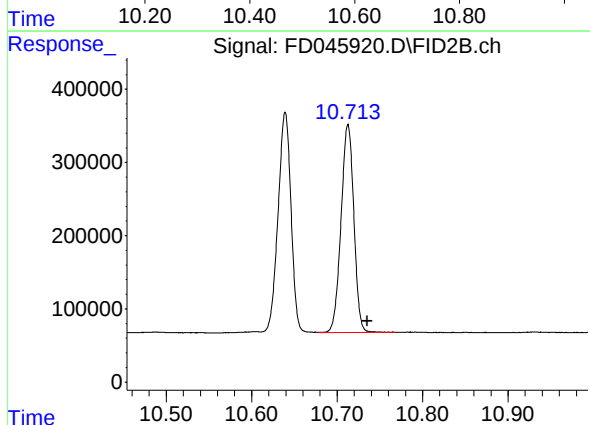
#9 Phenanthrene (C19.36)

R.T.: 10.639 min
Delta R.T.: -0.022 min
Response: 3180802
Conc: 16.63 ug/ml

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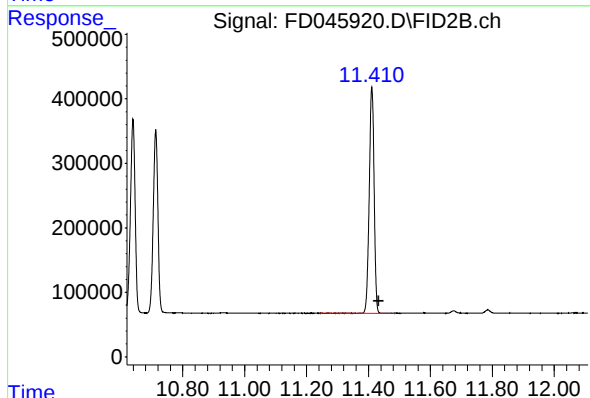
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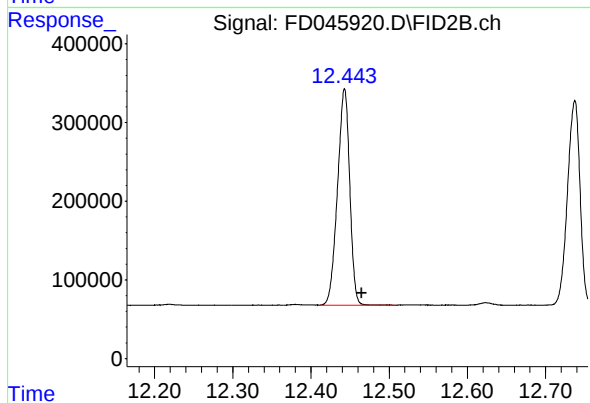
#10 Anthracene (C19.43)

R.T.: 10.713 min
Delta R.T.: -0.023 min
Response: 2950265
Conc: 17.32 ug/ml



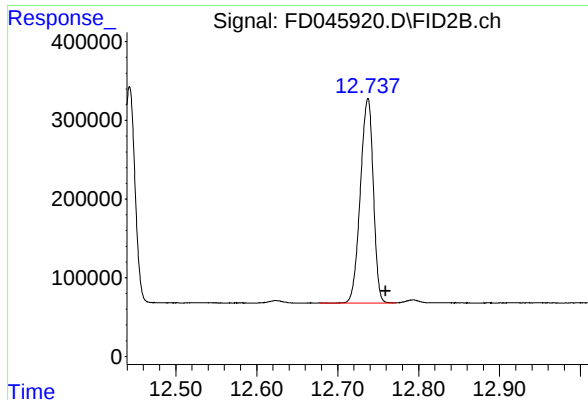
#11 ortho-Terphenyl (SURRE)

R.T.: 11.411 min
Delta R.T.: -0.022 min
Response: 3840735
Conc: 17.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.443 min
Delta R.T.: -0.022 min
Response: 2990183
Conc: 16.19 ug/ml



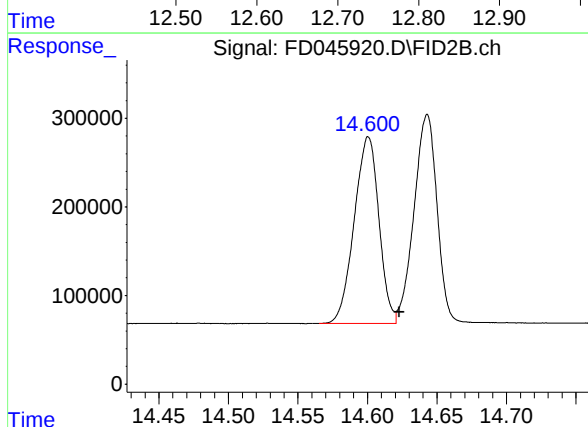
#13 Pyrene (C20.8)

R.T.: 12.737 min
Delta R.T.: -0.022 min
Response: 2894894
Conc: 16.21 ug/ml

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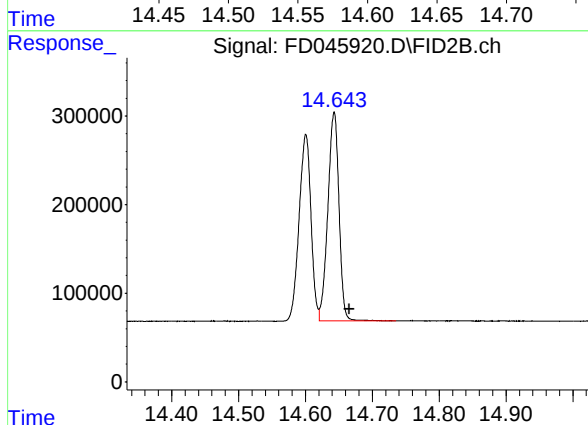
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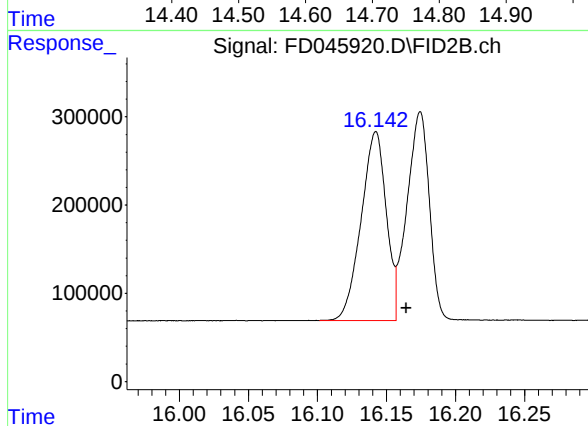
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.600 min
Delta R.T.: -0.023 min
Response: 2609950
Conc: 16.67 ug/ml m



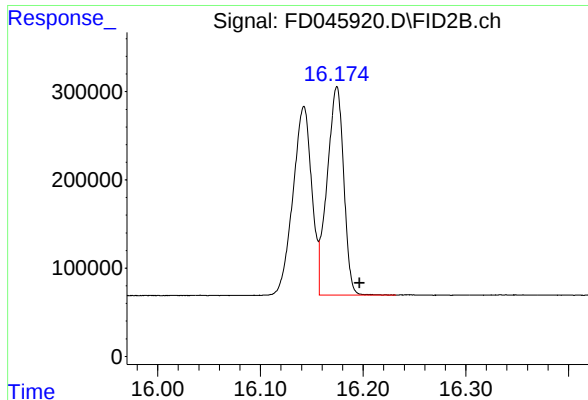
#15 Chrysene (C27.41)

R.T.: 14.643 min
Delta R.T.: -0.023 min
Response: 2727862
Conc: 16.53 ug/ml



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

R.T.: 16.142 min
Delta R.T.: -0.022 min
Response: 2715043
Conc: 17.94 ug/ml m



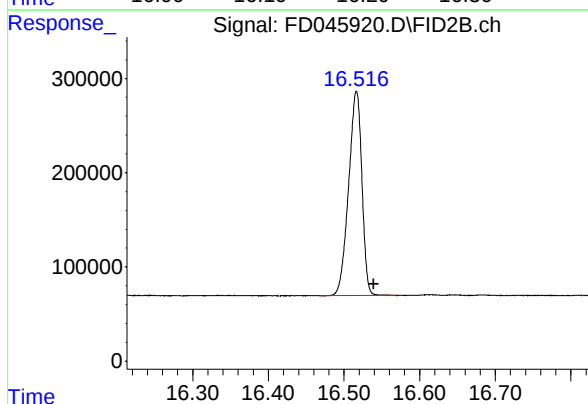
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.174 min
Delta R.T.: -0.023 min
Response: 2658686
Conc: 17.17 ug/ml

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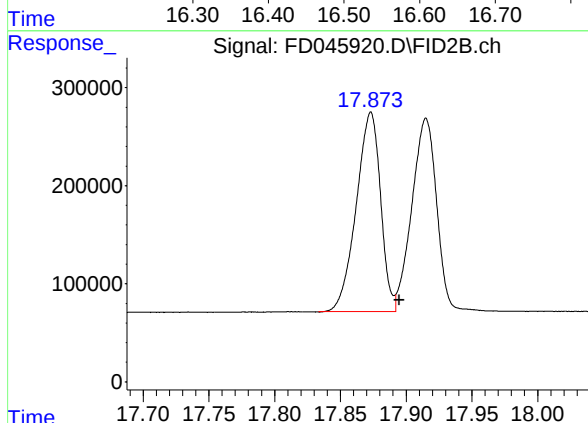
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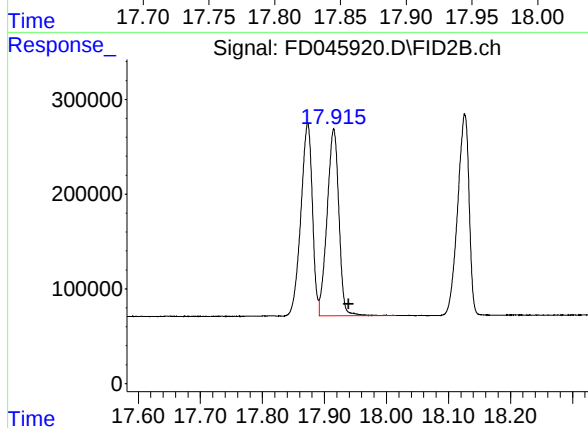
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.516 min
Delta R.T.: -0.023 min
Response: 2650459
Conc: 18.12 ug/ml



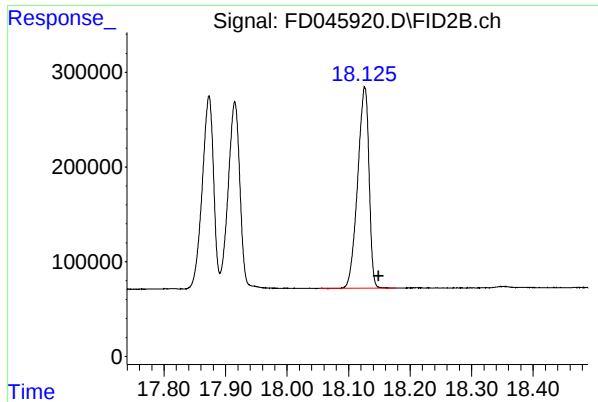
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.873 min
Delta R.T.: -0.022 min
Response: 2622707
Conc: 17.91 ug/ml m



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

R.T.: 17.915 min
Delta R.T.: -0.024 min
Response: 2610126
Conc: 17.40 ug/ml



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

R.T.: 18.126 min
Delta R.T.: -0.023 min
Response: 2727041
Conc: 18.48 ug/ml

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