

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022323AR\
 Data File : FD045165.D
 Signal(s) : FID2B.ch
 Acq On : 24 Feb 2023 17:55
 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 02/27/2023
 Supervised By :Ankita Jodhani 02/27/2023

Integration File: autoint1.e
 Quant Time: Feb 25 03:01:58 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 022123.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 22 04:55:52 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...	7.552	2709871	20.205 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
6) S 2-Fluorobiphenyl (SURR)	8.407	1806127	20.153 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.31%
11) S ortho-Terphenyl (SURR)	11.447	3350461	19.921 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.362	3020910	20.178 ug/ml
2) T Naphthalene (C11.7)	5.892	3158399	20.116 ug/ml
3) T 2-Methylnaphthalene (...)	6.941	3175949	20.300 ug/ml
5) T Acenaphthylene (C15.06)	8.211	2850627	19.965 ug/ml
7) T Acenaphthene (C15.5)	8.506	3038772	20.152 ug/ml
8) T Fluorene (C16.55)	9.285	2963905	20.108 ug/ml
9) T Phenanthrene (C19.36)	10.675	2893185	19.986 ug/ml
10) T Anthracene (C19.43)	10.749	2586197	19.102 ug/ml
12) T Fluoranthene (C21.85)	12.480	2817902	19.660 ug/ml
13) T Pyrene (C20.8)	12.775	2752069	19.654 ug/ml
14) T Benzo[a]anthracene (C...	14.638	2488063	19.557 ug/mlm
15) T Chrysene (C27.41)	14.681	2566422	19.382 ug/ml
16) T benzo[b]fluoranthene ...	16.182	2577178	19.650 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.214	2546485	19.637 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.557	2503215	19.502 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.914	2432849	19.369 ug/mlm
20) T Dibenz[a,h]anthracene...	17.957	2446663	20.004 ug/ml
21) T Benzo[g,h,i]perylene ...	18.169	2500438	19.709 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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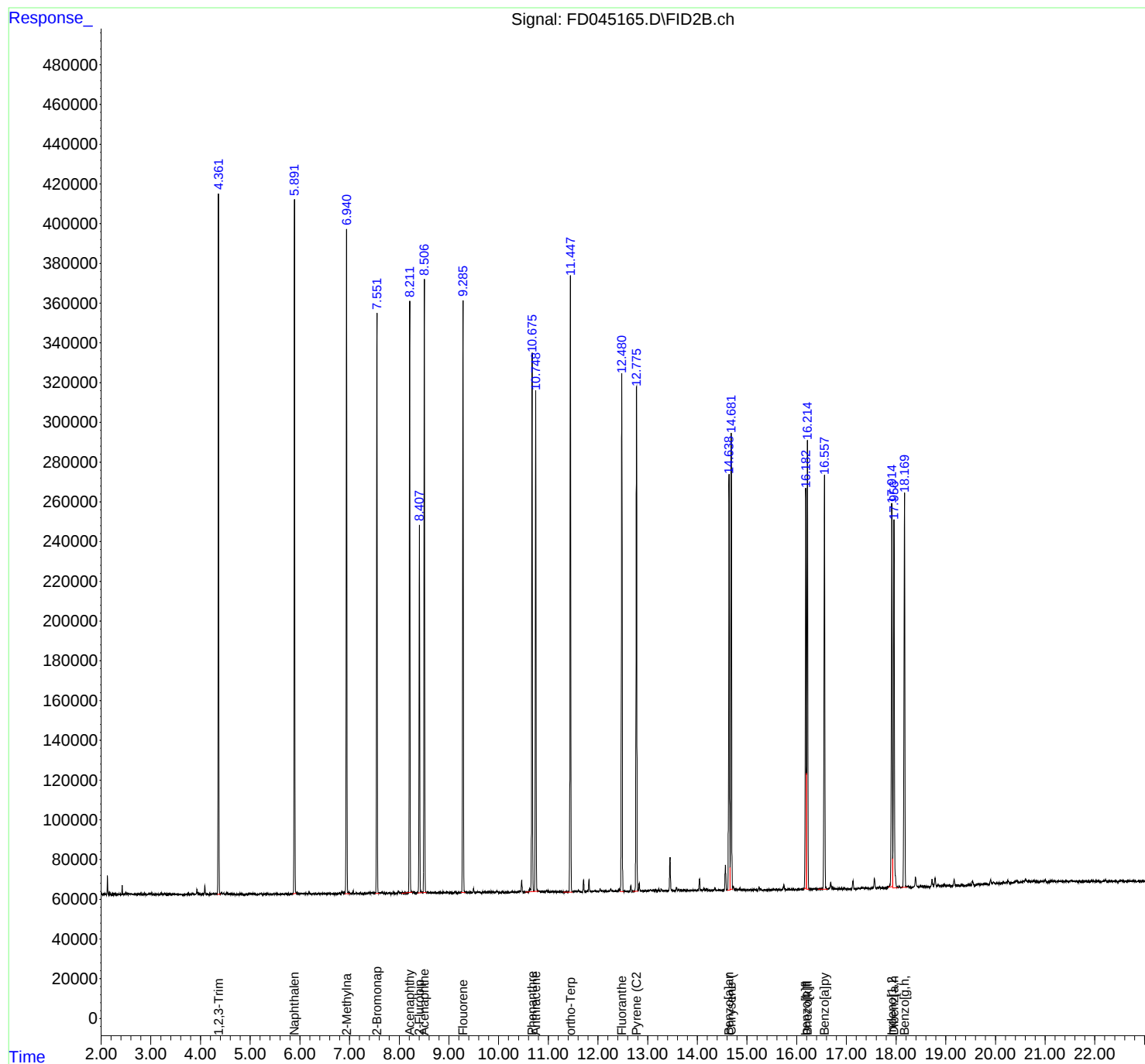
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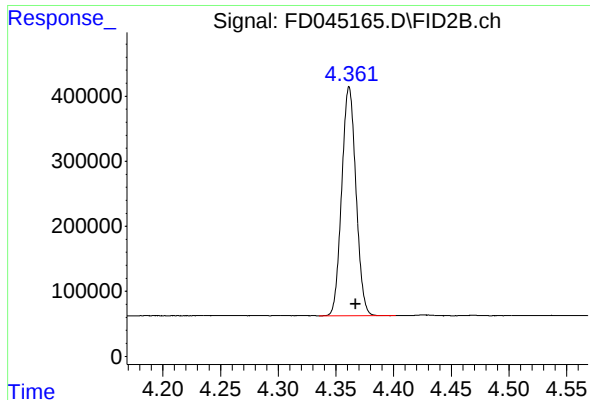
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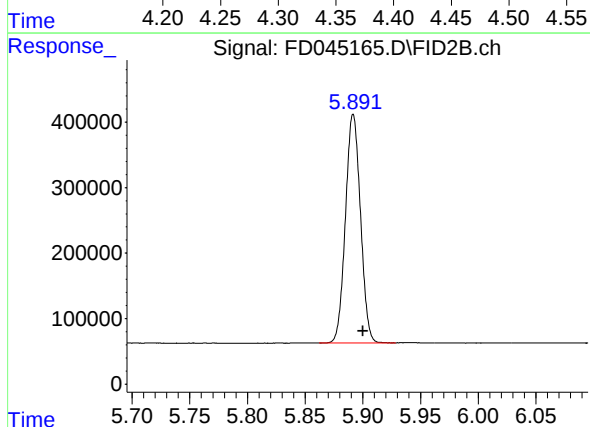
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.362 min
Delta R.T.: -0.005 min
Response: 3020910
Conc: 20.18 ug/ml

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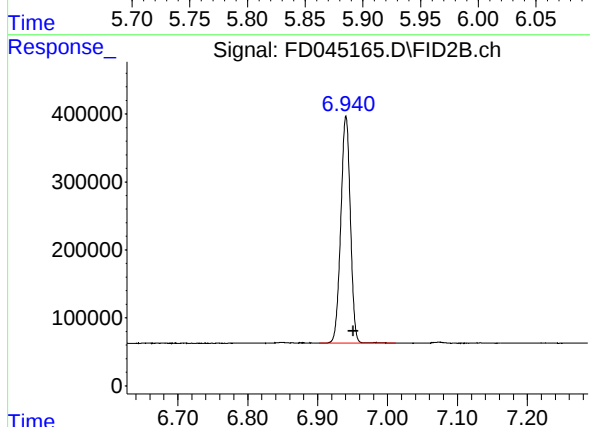
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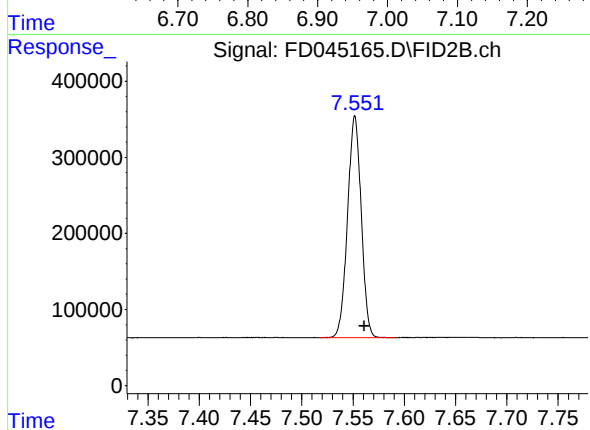
#2 Naphthalene (C11.7)

R.T.: 5.892 min
Delta R.T.: -0.008 min
Response: 3158399
Conc: 20.12 ug/ml



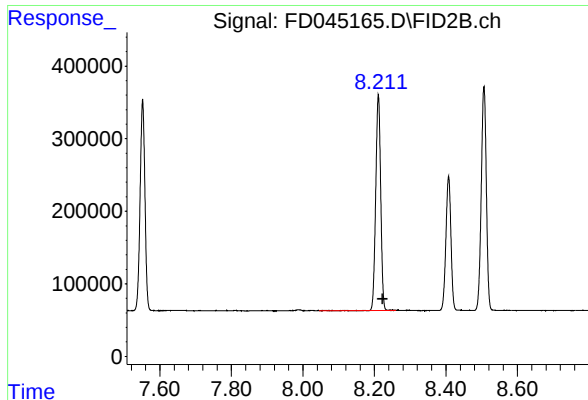
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: -0.010 min
Response: 3175949
Conc: 20.30 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.552 min
Delta R.T.: -0.009 min
Response: 2709871
Conc: 20.20 ug/ml



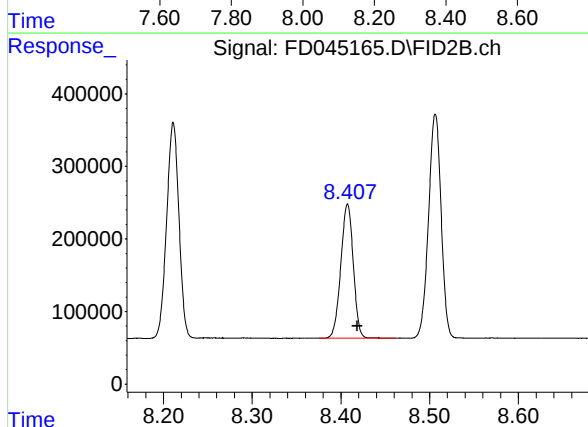
#5 Acenaphthylene (C15.06)

R.T.: 8.211 min
Delta R.T.: -0.012 min
Response: 2850627
Conc: 19.96 ug/ml

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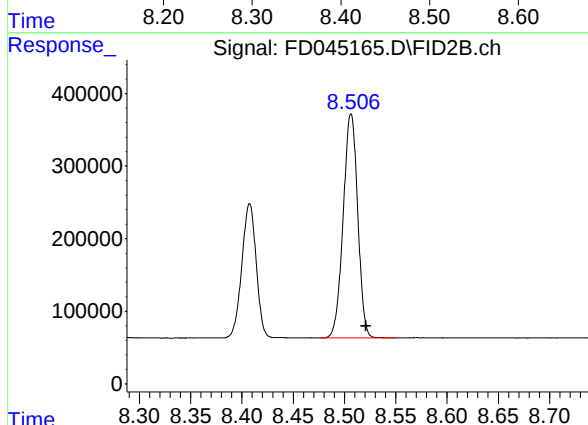
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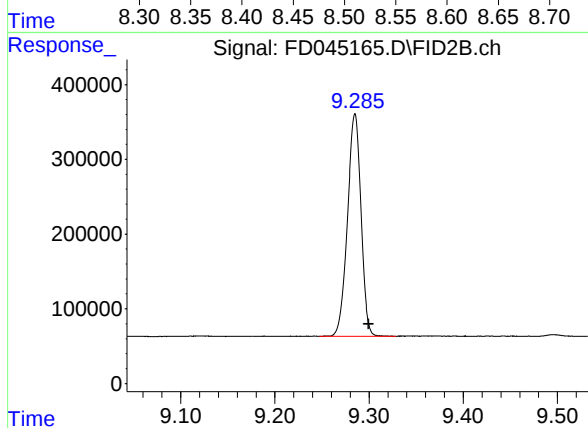
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.407 min
Delta R.T.: -0.011 min
Response: 1806127
Conc: 20.15 ug/ml



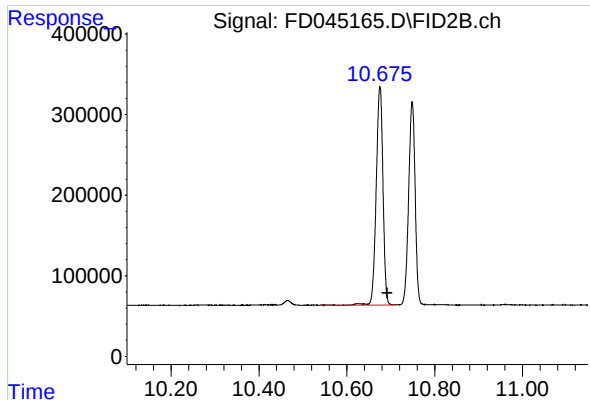
#7 Acenaphthene (C15.5)

R.T.: 8.506 min
Delta R.T.: -0.015 min
Response: 3038772
Conc: 20.15 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.285 min
Delta R.T.: -0.015 min
Response: 2963905
Conc: 20.11 ug/ml



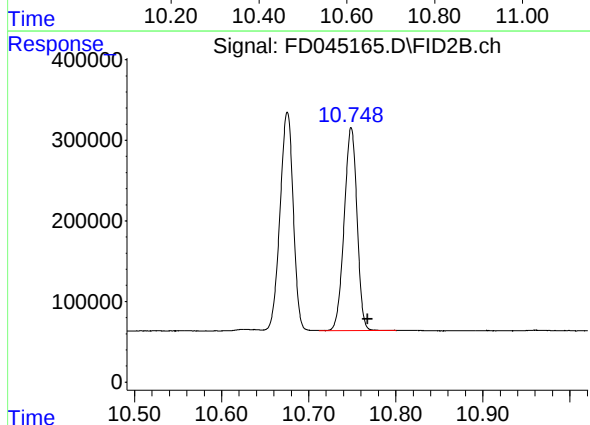
#9 Phenanthrene (C19.36)

R.T.: 10.675 min
Delta R.T.: -0.017 min
Response: 2893185
Conc: 19.99 ug/ml

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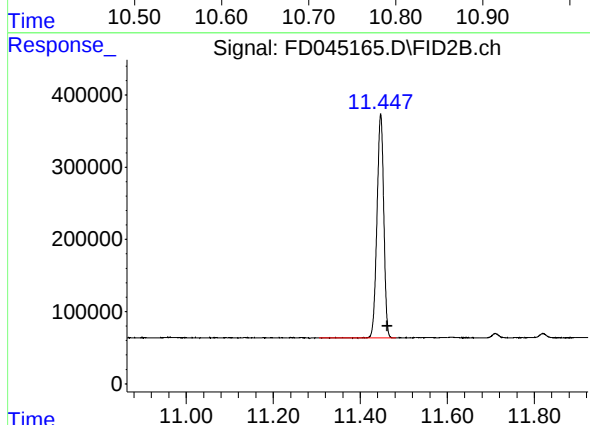
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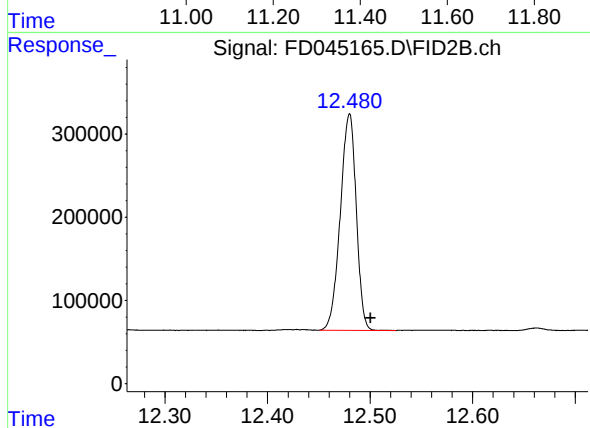
#10 Anthracene (C19.43)

R.T.: 10.749 min
Delta R.T.: -0.019 min
Response: 2586197
Conc: 19.10 ug/ml



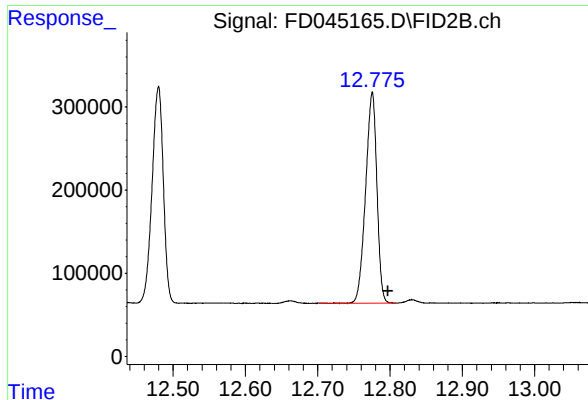
#11 ortho-Terphenyl (SURR)

R.T.: 11.447 min
Delta R.T.: -0.015 min
Response: 3350461
Conc: 19.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.480 min
Delta R.T.: -0.021 min
Response: 2817902
Conc: 19.66 ug/ml



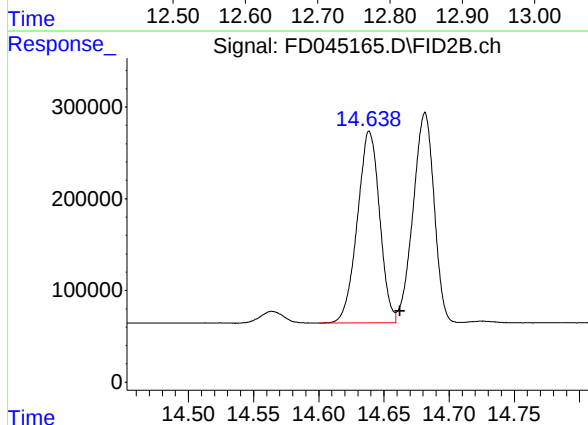
#13 Pyrene (C20.8)

R.T.: 12.775 min
Delta R.T.: -0.022 min
Response: 2752069
Conc: 19.65 ug/ml

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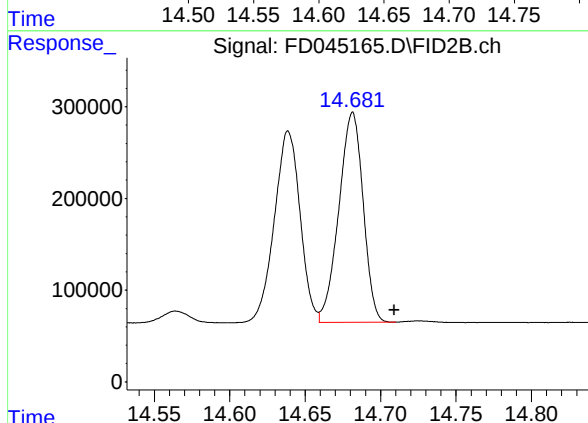
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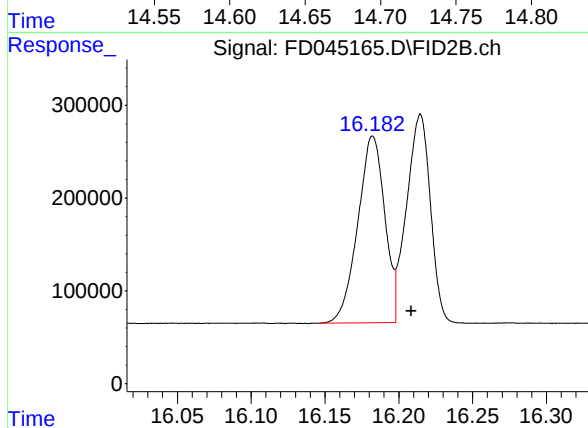
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.638 min
Delta R.T.: -0.024 min
Response: 2488063
Conc: 19.56 ug/ml m



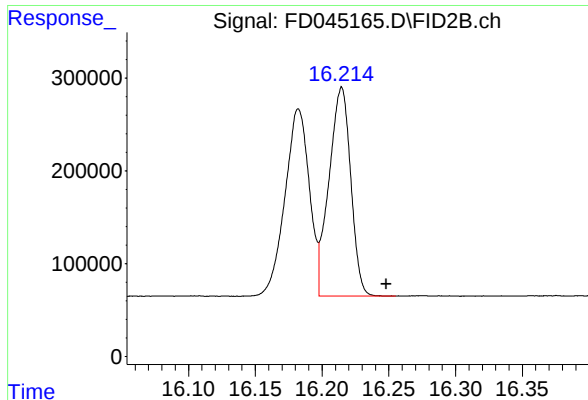
#15 Chrysene (C27.41)

R.T.: 14.681 min
Delta R.T.: -0.028 min
Response: 2566422
Conc: 19.38 ug/ml



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

R.T.: 16.182 min
Delta R.T.: -0.026 min
Response: 2577178
Conc: 19.65 ug/ml m



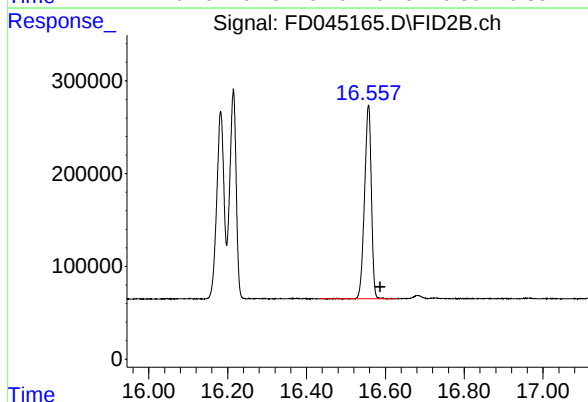
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.214 min
Delta R.T.: -0.034 min
Response: 2546485
Conc: 19.64 ug/ml

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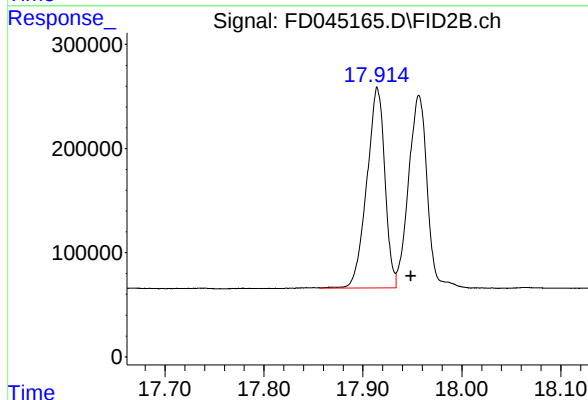
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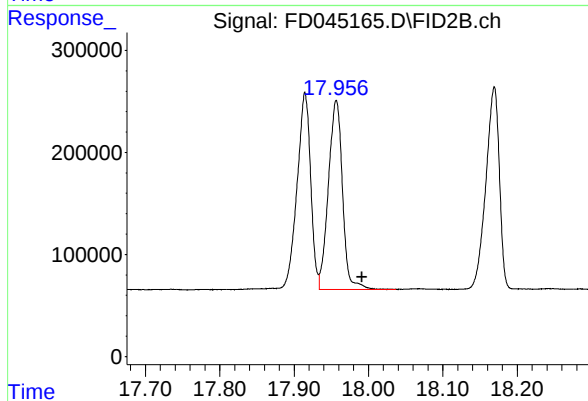
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.557 min
Delta R.T.: -0.030 min
Response: 2503215
Conc: 19.50 ug/ml



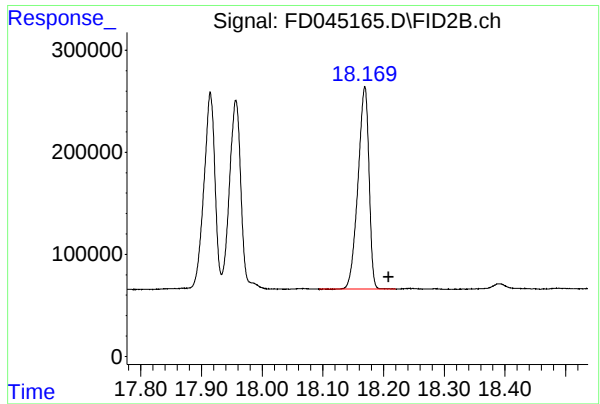
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.914 min
Delta R.T.: -0.035 min
Response: 2432849
Conc: 19.37 ug/ml m



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

R.T.: 17.957 min
Delta R.T.: -0.034 min
Response: 2446663
Conc: 20.00 ug/ml



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

R.T.: 18.169 min
Delta R.T.: -0.039 min
Response: 2500438
Conc: 19.71 ug/ml

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