

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG040125AR\
 Data File : FG015594.D
 Signal(s) : FID1A.ch
 Acq On : 01 Apr 2025 14:19
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/02/2025
 Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
 Quant Time: Apr 02 01:15:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.960	2508065	20.532 ug/ml
Spiked Amount 50.000		Recovery =	41.06%
6) S 2-Fluorobiphenyl (SURR)	8.838	1663820	20.129 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.26%
11) S ortho-Terphenyl (SURR)	11.910	3016299	20.684 ug/ml
Spiked Amount 50.000		Recovery =	41.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.550	2735170	20.583 ug/ml
2) T Naphthalene (C11.7)	6.229	2739411	20.276 ug/ml
3) T 2-Methylnaphthalene (...)	7.330	2753314	20.641 ug/ml
5) T Acenaphthylene (C15.06)	8.635	2910304	20.549 ug/ml
7) T Acenaphthene (C15.5)	8.935	2852351	20.907 ug/ml
8) T Fluorene (C16.55)	9.729	2767929	19.827 ug/ml
9) T Phenanthrene (C19.36)	11.140	2687032	19.073 ug/ml
10) T Anthracene (C19.43)	11.215	2562377	18.725 ug/ml
12) T Fluoranthene (C21.85)	12.966	2744818	19.248 ug/ml
13) T Pyrene (C20.8)	13.265	2753925	19.627 ug/ml
14) T Benzo[a]anthracene (C...	15.152	2368444	17.462 ug/ml
15) T Chrysene (C27.41)	15.194	2859720	20.428 ug/ml
16) T benzo[b]fluoranthene ...	16.716	2413798	18.267 ug/ml
17) T Bnezo[k]fluoranthene ...	16.746	2945235	21.571 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.099	2472679	19.718 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.474	1841374	16.550 ug/mlm
20) T Dibenz[a,h]anthracene...	18.511	2689195	20.898 ug/ml
21) T Benzo[g,h,i]perylene ...	18.729	2248928	18.820 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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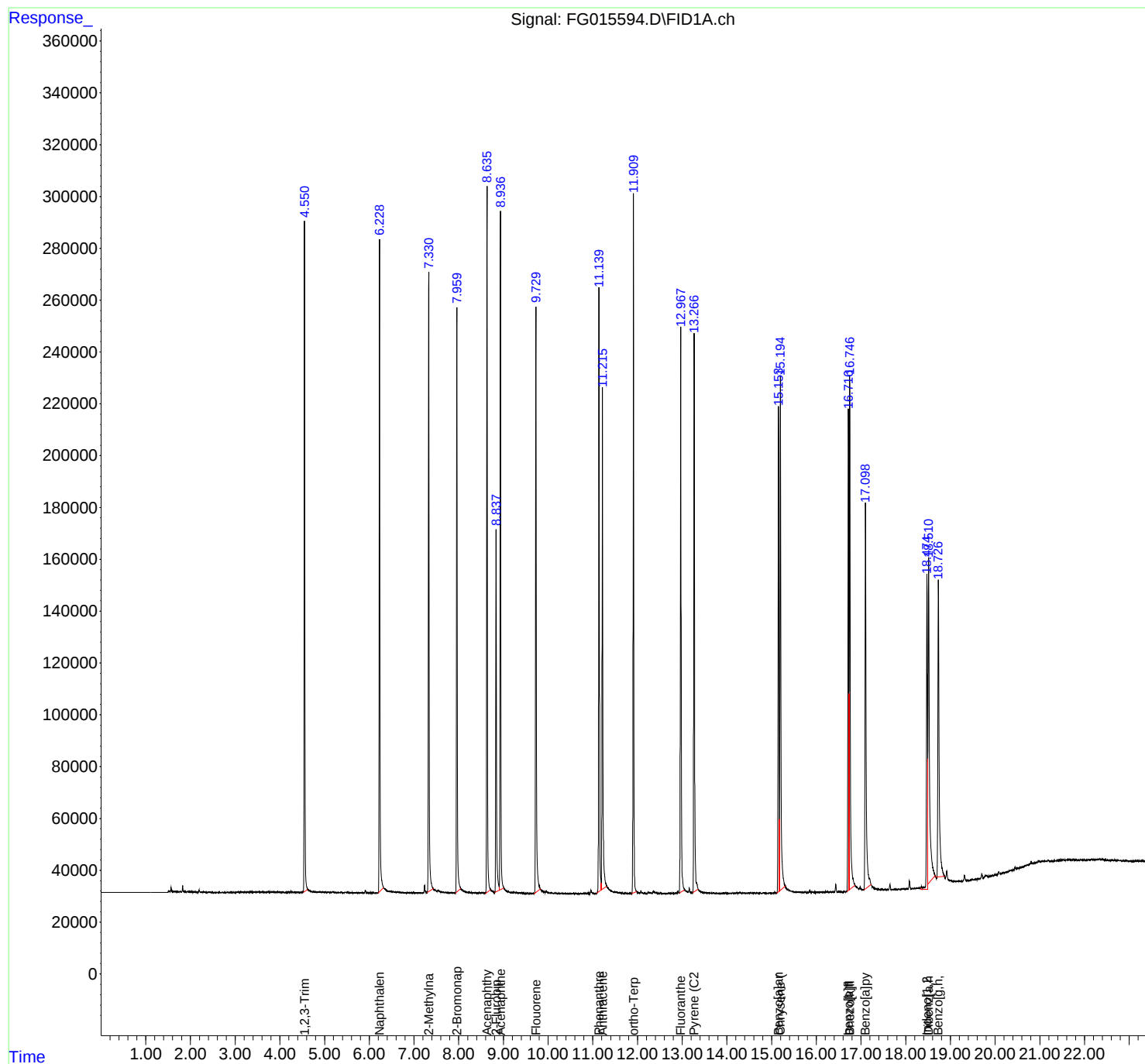
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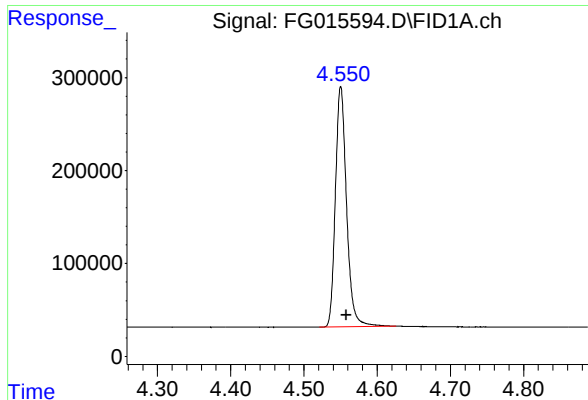
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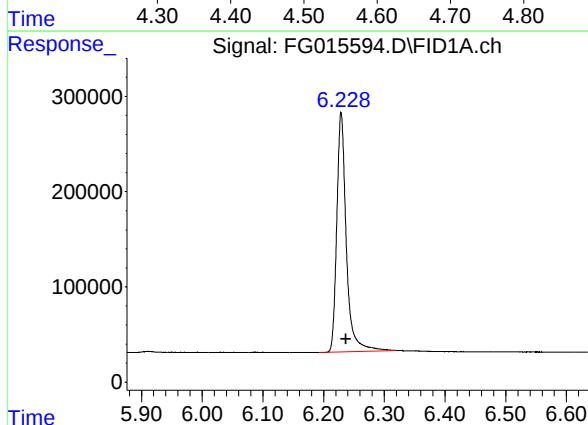
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.550 min
Delta R.T.: -0.008 min
Response: 2735170
Conc: 20.58 ug/ml

Instrument : FID_G
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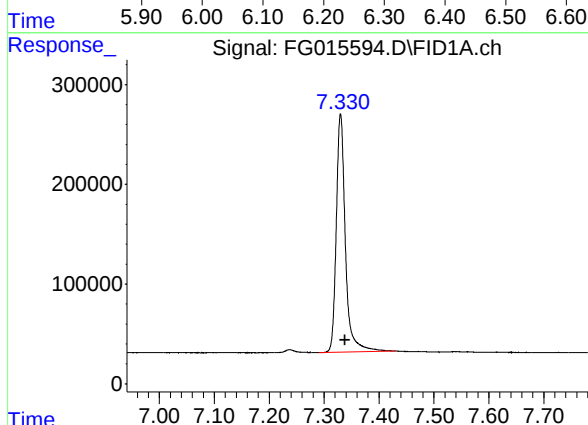
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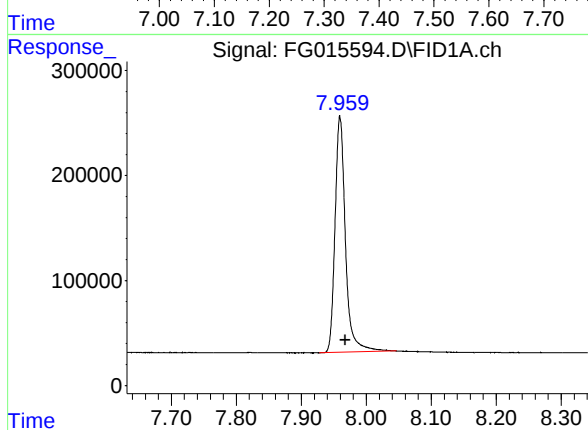
#2 Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: -0.008 min
Response: 2739411
Conc: 20.28 ug/ml



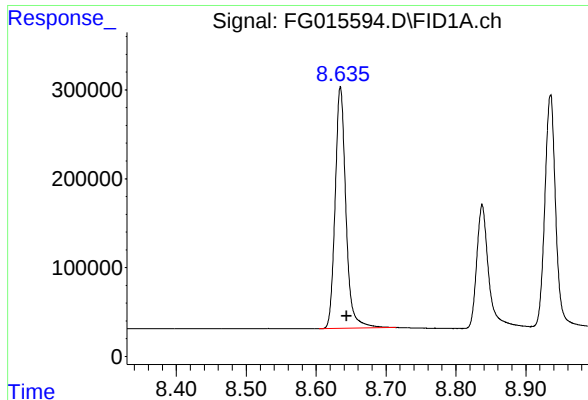
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 2753314
Conc: 20.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.960 min
Delta R.T.: -0.008 min
Response: 2508065
Conc: 20.53 ug/ml



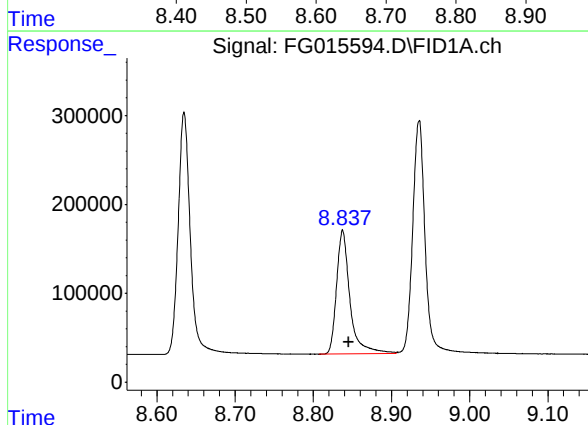
#5 Acenaphthylene (C15.06)

R.T.: 8.635 min
Delta R.T.: -0.009 min
Response: 2910304
Conc: 20.55 ug/ml

Instrument :
FID_G
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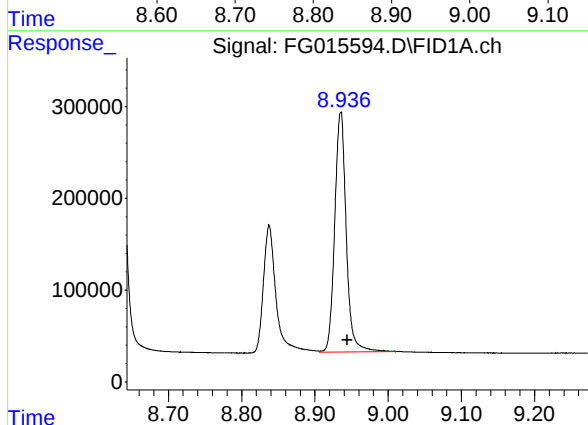
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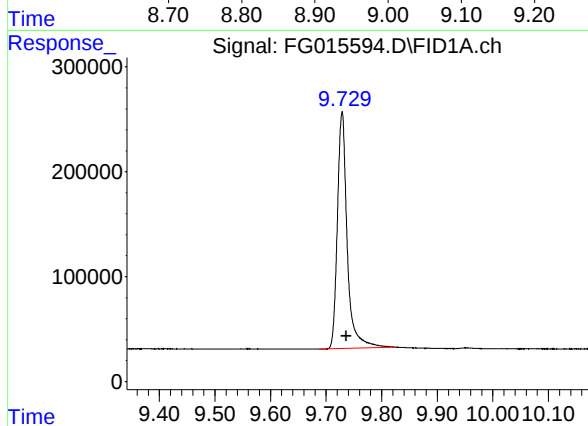
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.838 min
Delta R.T.: -0.007 min
Response: 1663820
Conc: 20.13 ug/ml



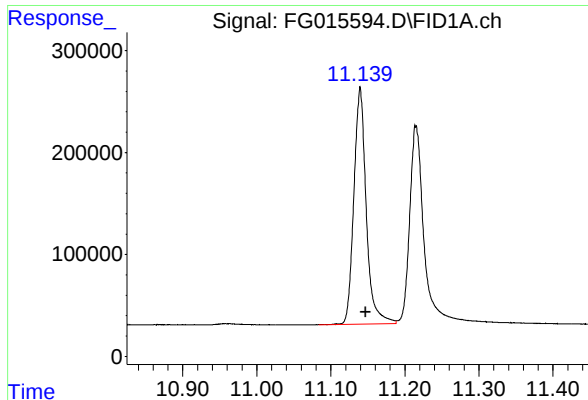
#7 Acenaphthene (C15.5)

R.T.: 8.935 min
Delta R.T.: -0.009 min
Response: 2852351
Conc: 20.91 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.729 min
Delta R.T.: -0.008 min
Response: 2767929
Conc: 19.83 ug/ml



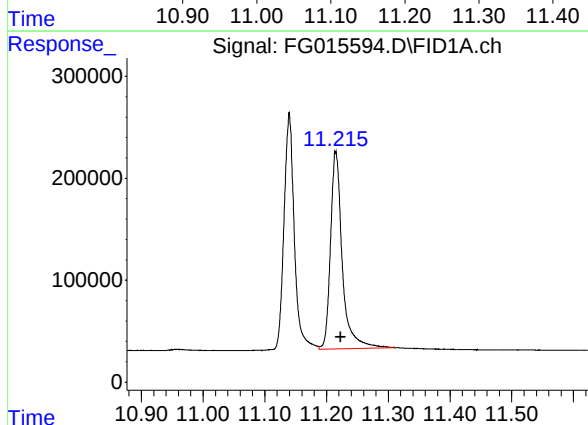
#9 Phenanthrene (C19.36)

R.T.: 11.140 min
Delta R.T.: -0.008 min
Response: 2687032
Conc: 19.07 ug/ml

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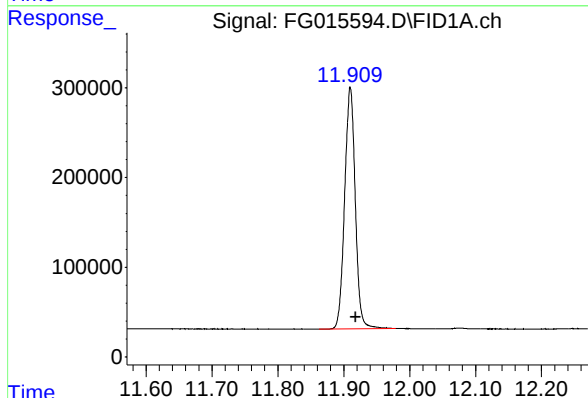
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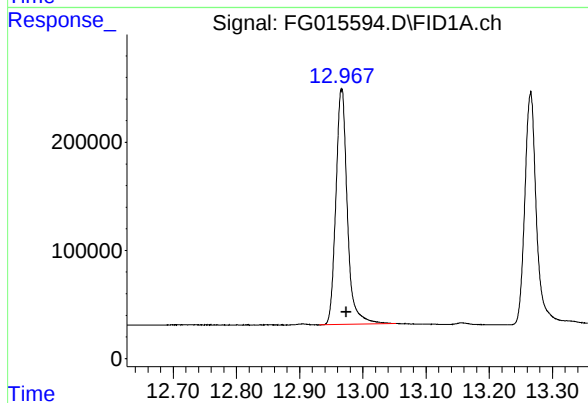
#10 Anthracene (C19.43)

R.T.: 11.215 min
Delta R.T.: -0.007 min
Response: 2562377
Conc: 18.73 ug/ml



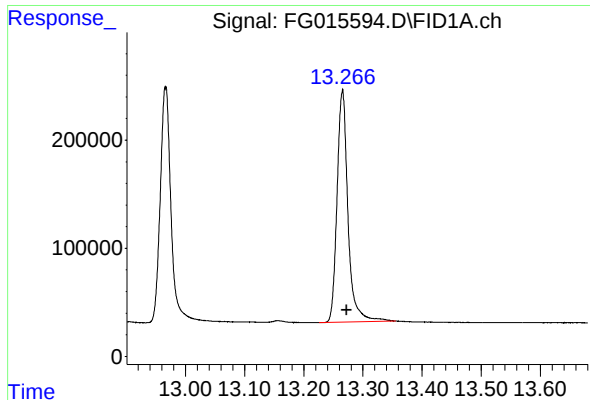
#11 ortho-Terphenyl (SURR)

R.T.: 11.910 min
Delta R.T.: -0.008 min
Response: 3016299
Conc: 20.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.966 min
Delta R.T.: -0.007 min
Response: 2744818
Conc: 19.25 ug/ml



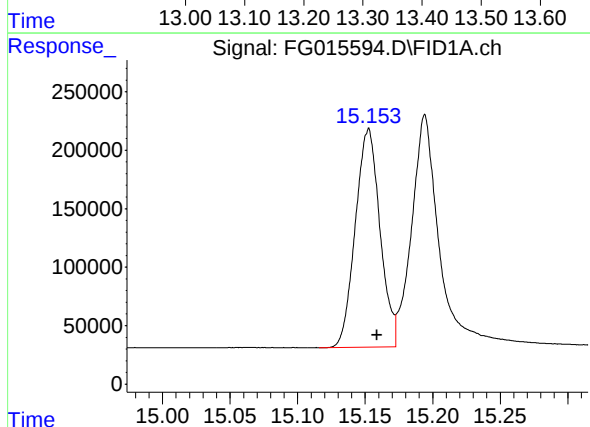
#13 Pyrene (C20.8)

R.T.: 13.265 min
Delta R.T.: -0.007 min
Response: 2753925
Conc: 19.63 ug/ml

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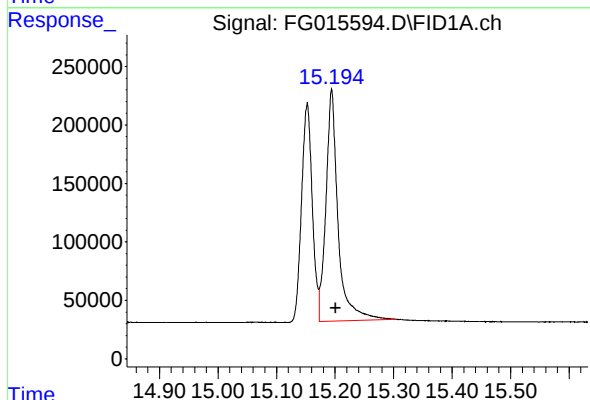
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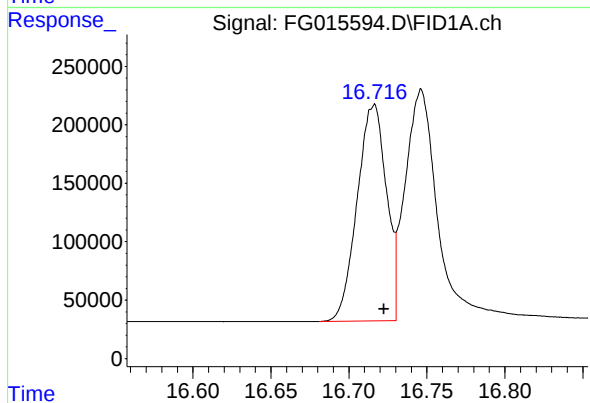
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.152 min
Delta R.T.: -0.007 min
Response: 2368444
Conc: 17.46 ug/ml



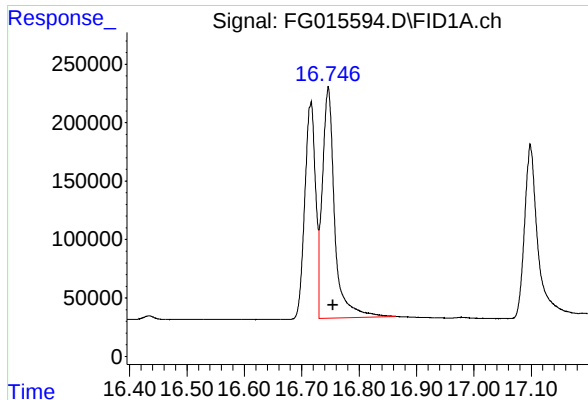
#15 Chrysene (C27.41)

R.T.: 15.194 min
Delta R.T.: -0.007 min
Response: 2859720
Conc: 20.43 ug/ml



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

R.T.: 16.716 min
Delta R.T.: -0.007 min
Response: 2413798
Conc: 18.27 ug/ml



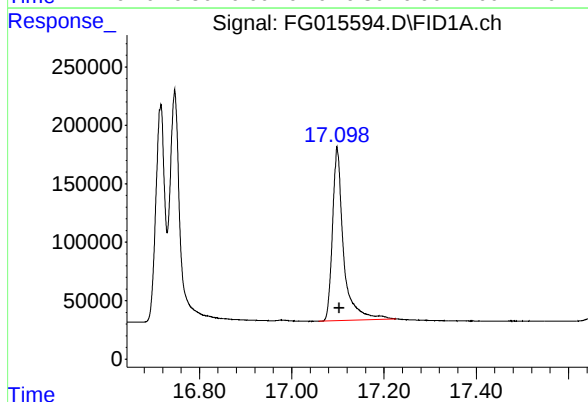
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.746 min
Delta R.T.: -0.008 min
Response: 2945235
Conc: 21.57 ug/ml

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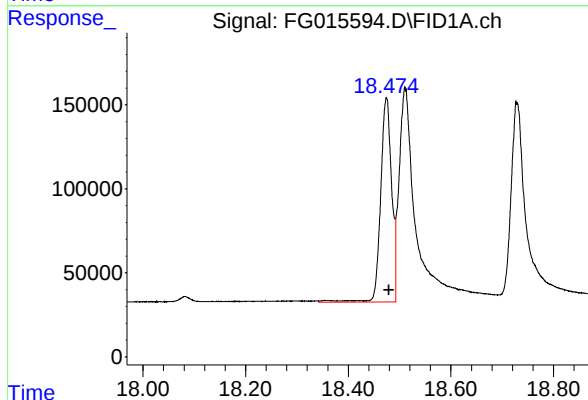
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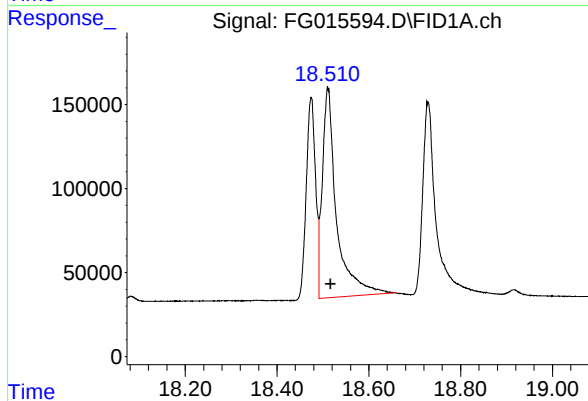
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.099 min
Delta R.T.: -0.005 min
Response: 2472679
Conc: 19.72 ug/ml



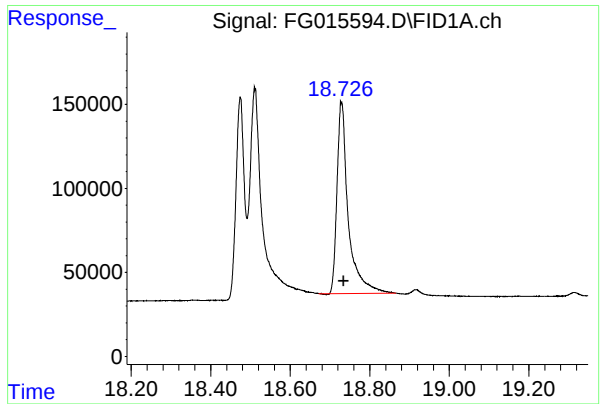
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min
Delta R.T.: -0.005 min
Response: 1841374
Conc: 16.55 ug/ml m



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

R.T.: 18.511 min
Delta R.T.: -0.006 min
Response: 2689195
Conc: 20.90 ug/ml



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

R.T.: 18.729 min
Delta R.T.: -0.006 min
Response: 2248928
Conc: 18.82 ug/ml

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