

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092324AR\
 Data File : FG014342.D
 Signal(s) : FID1A.ch
 Acq On : 23 Sep 2024 17:35
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2024
 Supervised By :Ankita Jodhani 09/24/2024

Integration File: autoint1.e
 Quant Time: Sep 24 01:32:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 2024
 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...	7.869	2267354	20.266 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
6) S 2-Fluorobiphenyl (SURR)	8.743	1427790	19.611 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.22%
11) S ortho-Terphenyl (SURR)	11.808	2701044	20.038 ug/ml
Spiked Amount 50.000		Recovery =	40.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.471	2560682	19.891 ug/ml
2) T Naphthalene (C11.7)	6.140	2587147	20.509 ug/ml
3) T 2-Methylnaphthalene (...)	7.239	2705986	21.246 ug/ml
5) T Acenaphthylene (C15.06)	8.539	2537373	19.522 ug/ml
7) T Acenaphthene (C15.5)	8.838	2772886	20.023 ug/ml
8) T Fluorene (C16.55)	9.631	2610833	20.142 ug/ml
9) T Phenanthrene (C19.36)	11.039	2373784	19.641 ug/ml
10) T Anthracene (C19.43)	11.115	2746246	19.795 ug/ml
12) T Fluoranthene (C21.85)	12.861	2654038	20.473 ug/ml
13) T Pyrene (C20.8)	13.158	2682919	20.547 ug/ml
14) T Benzo[a]anthracene (C...	15.043	2199143	19.331 ug/mlm
15) T Chrysene (C27.41)	15.085	2985423	21.119 ug/ml
16) T benzo[b]fluoranthene ...	16.603	2167044	18.907 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.634	2958288	22.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.987	2469262	19.872 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.361	1545639	15.637 ug/mlm
20) T Dibenz[a,h]anthracene...	18.403	3465149	23.538 ug/ml
21) T Benzo[g,h,i]perylene ...	18.616	2573184	19.688 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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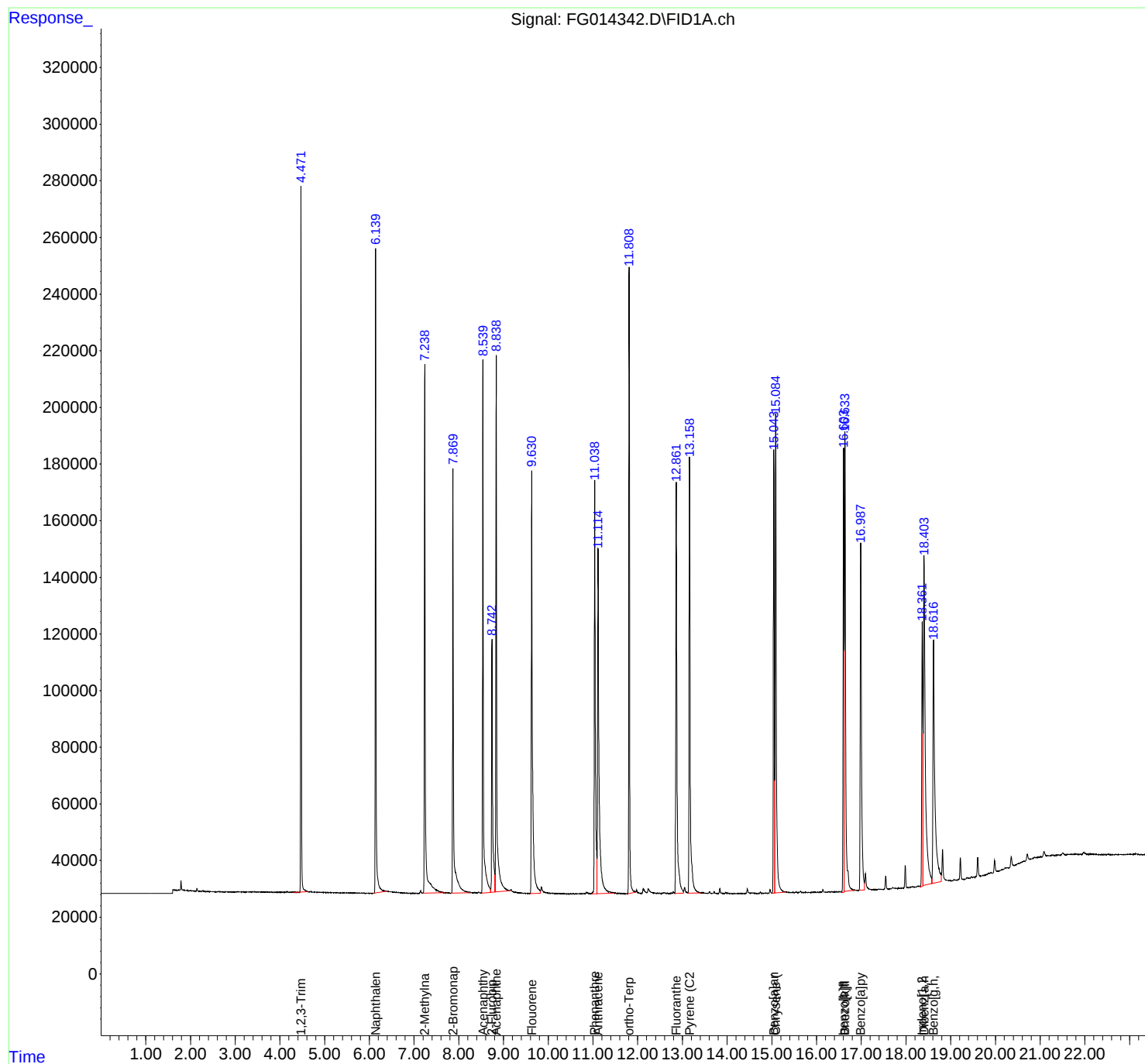
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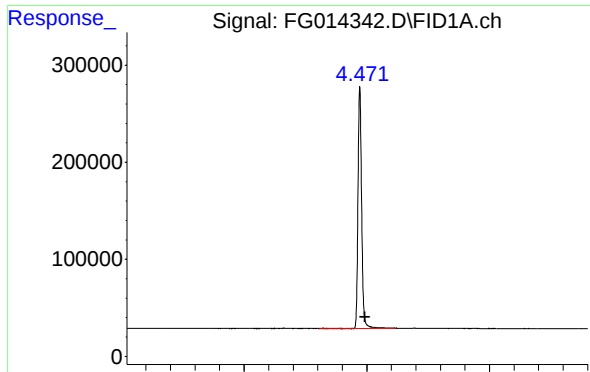
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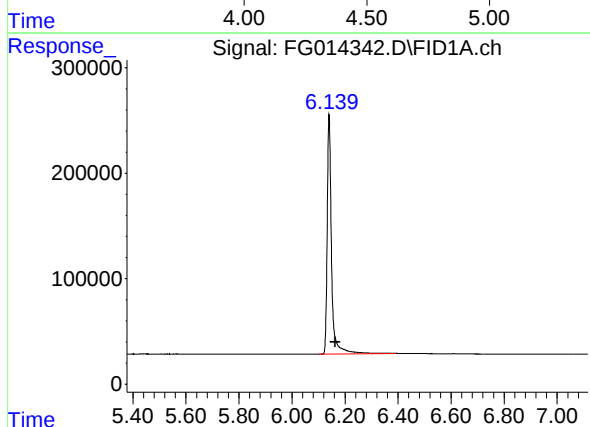
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.471 min
Delta R.T.: -0.021 min
Response: 2560682
Conc: 19.89 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM AROMATIC HC STD

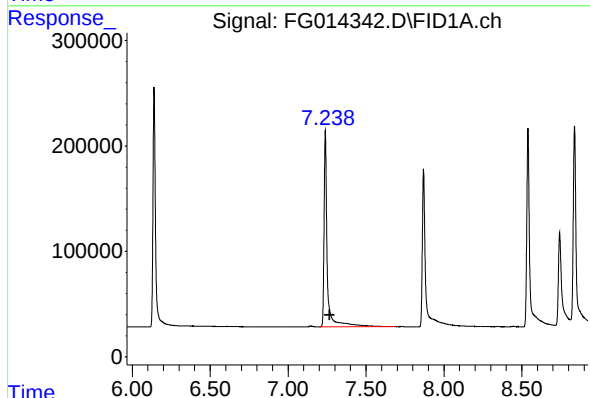
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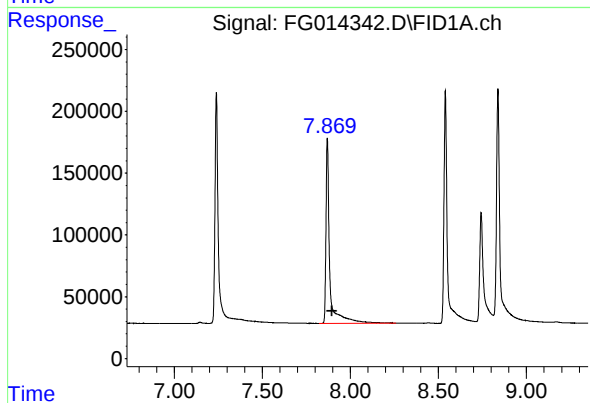
#2 Naphthalene (C11.7)

R.T.: 6.140 min
Delta R.T.: -0.025 min
Response: 2587147
Conc: 20.51 ug/ml



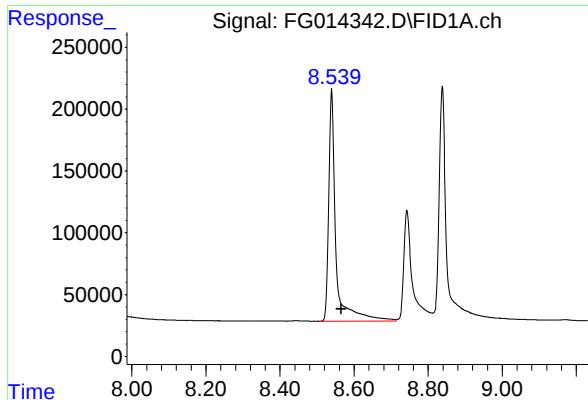
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.239 min
Delta R.T.: -0.027 min
Response: 2705986
Conc: 21.25 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.869 min
Delta R.T.: -0.026 min
Response: 2267354
Conc: 20.27 ug/ml



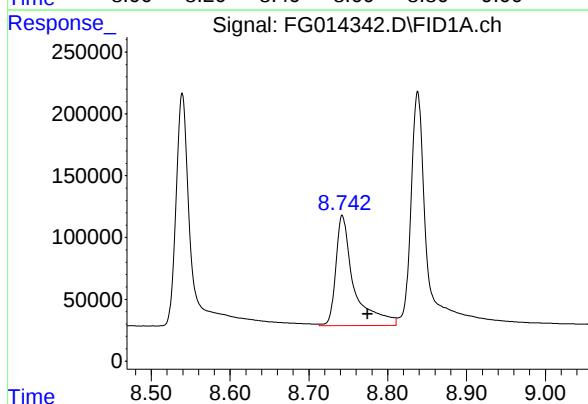
#5 Acenaphthylene (C15.06)

R.T.: 8.539 min
Delta R.T.: -0.027 min
Response: 2537373
Conc: 19.52 ug/ml

Instrument :
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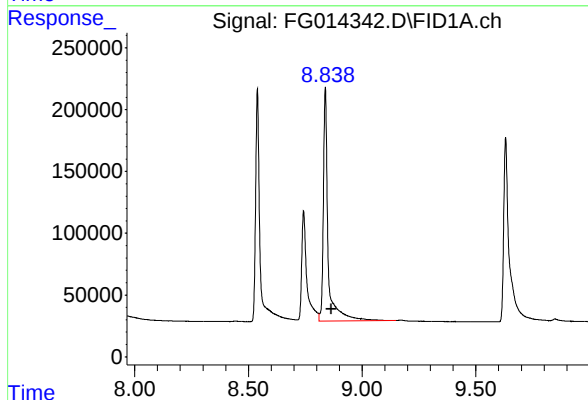
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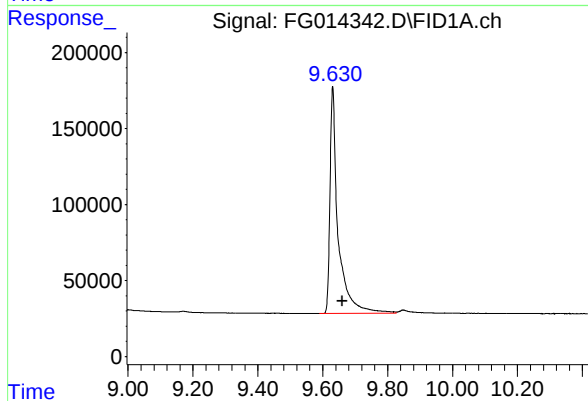
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.743 min
Delta R.T.: -0.032 min
Response: 1427790
Conc: 19.61 ug/ml



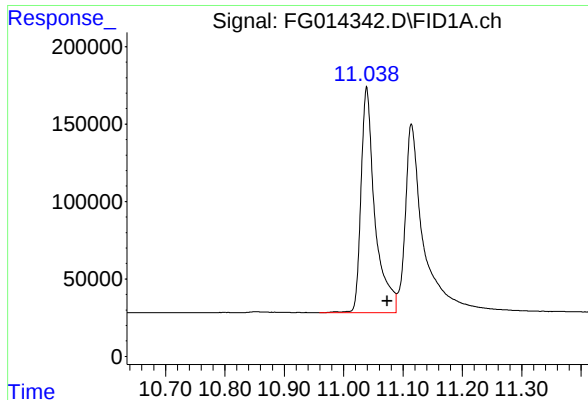
#7 Acenaphthene (C15.5)

R.T.: 8.838 min
Delta R.T.: -0.026 min
Response: 2772886
Conc: 20.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.631 min
Delta R.T.: -0.030 min
Response: 2610833
Conc: 20.14 ug/ml



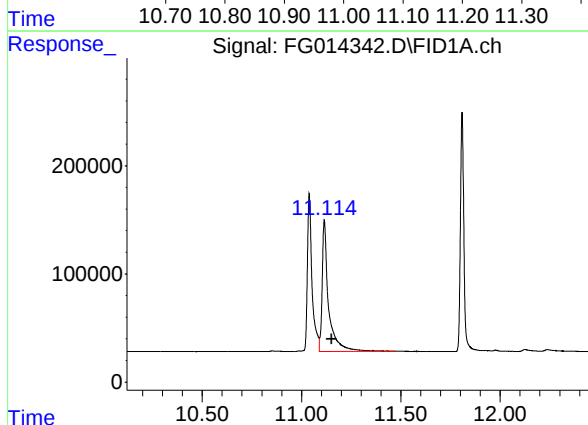
#9 Phenanthrene (C19.36)

R.T.: 11.039 min
Delta R.T.: -0.034 min
Response: 2373784
Conc: 19.64 ug/ml

Instrument :
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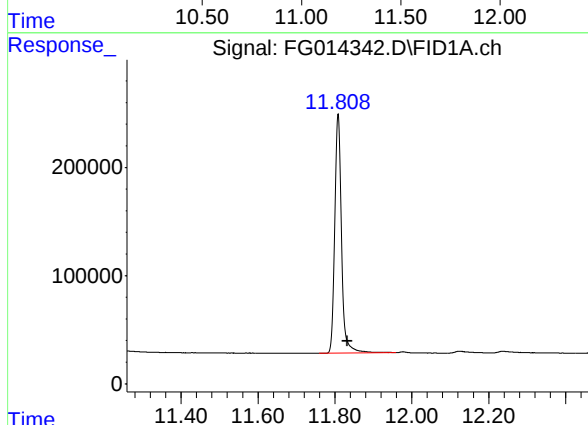
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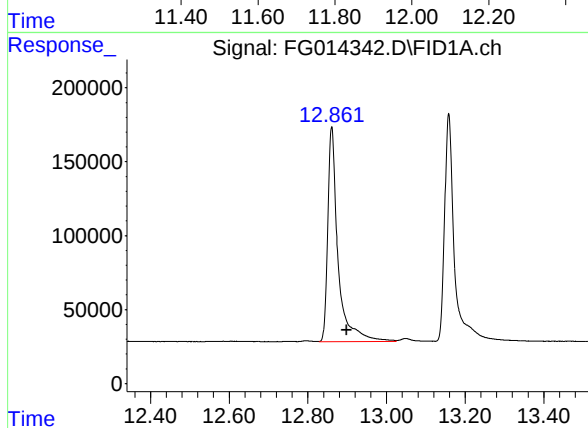
#10 Anthracene (C19.43)

R.T.: 11.115 min
Delta R.T.: -0.037 min
Response: 2746246
Conc: 19.79 ug/ml



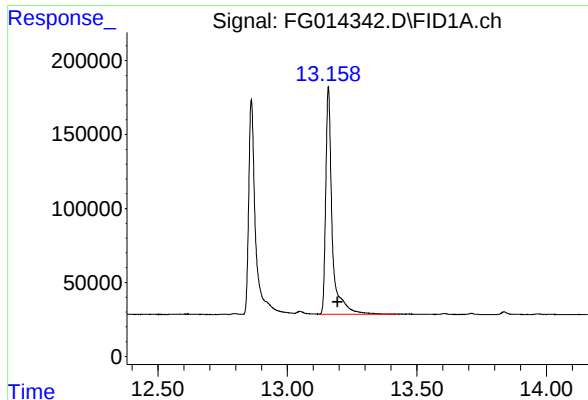
#11 ortho-Terphenyl (SURR)

R.T.: 11.808 min
Delta R.T.: -0.024 min
Response: 2701044
Conc: 20.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.861 min
Delta R.T.: -0.038 min
Response: 2654038
Conc: 20.47 ug/ml



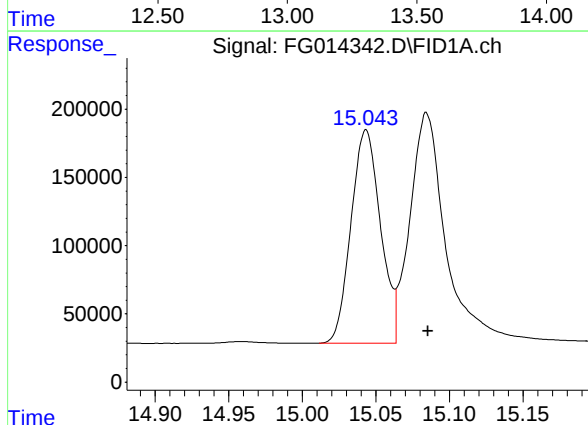
#13 Pyrene (C20.8)

R.T.: 13.158 min
Delta R.T.: -0.036 min
Response: 2682919
Conc: 20.55 ug/ml

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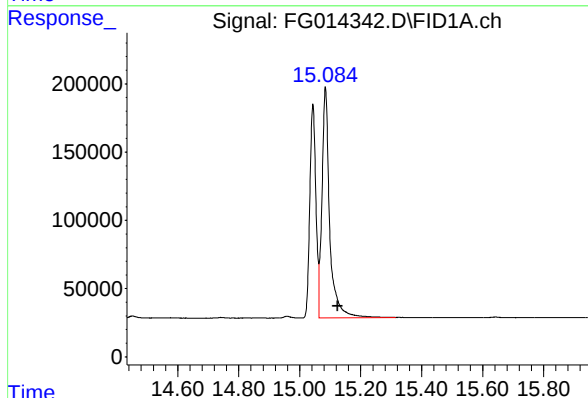
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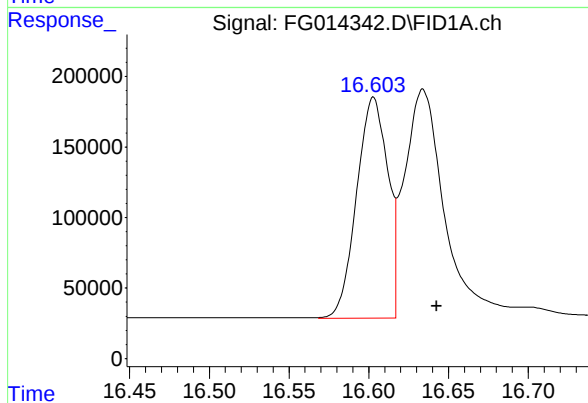
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.043 min
Delta R.T.: -0.042 min
Response: 2199143
Conc: 19.33 ug/ml m



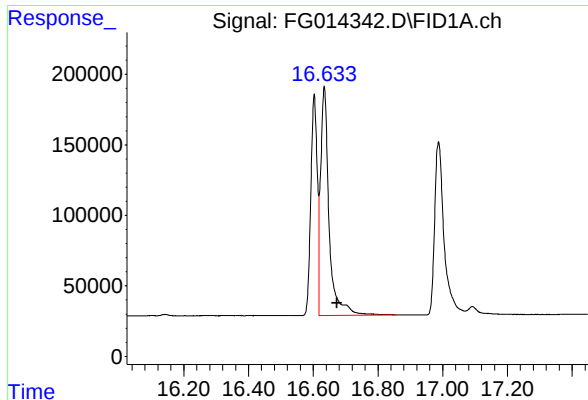
#15 Chrysene (C27.41)

R.T.: 15.085 min
Delta R.T.: -0.041 min
Response: 2985423
Conc: 21.12 ug/ml



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

R.T.: 16.603 min
Delta R.T.: -0.040 min
Response: 2167044
Conc: 18.91 ug/ml m



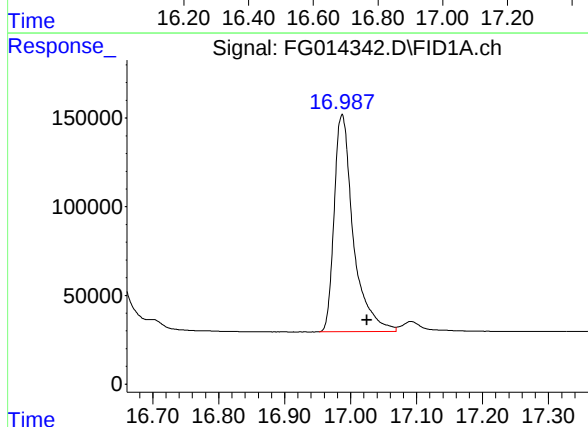
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.634 min
Delta R.T.: -0.039 min
Response: 2958288
Conc: 22.00 ug/ml

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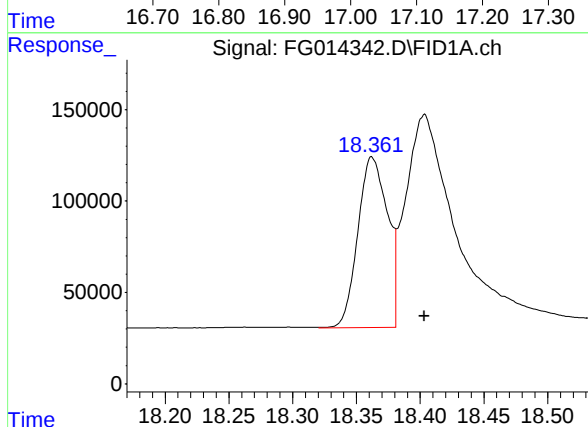
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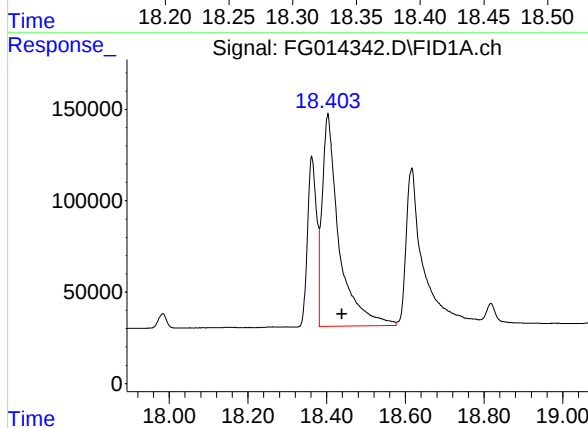
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.987 min
Delta R.T.: -0.038 min
Response: 2469262
Conc: 19.87 ug/ml



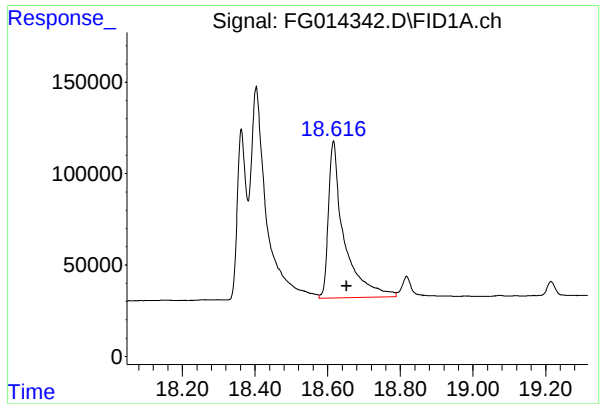
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.361 min
Delta R.T.: -0.042 min
Response: 1545639
Conc: 15.64 ug/ml m



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

R.T.: 18.403 min
Delta R.T.: -0.036 min
Response: 3465149
Conc: 23.54 ug/ml



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

R.T.: 18.616 min
Delta R.T.: -0.036 min
Response: 2573184
Conc: 19.69 ug/ml

Instrument :

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