

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032625AR\
 Data File : FG015554.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 15:40
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File: autoint1.e
 Quant Time: Mar 27 02:48:48 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...	7.966	2848221	23.316 ug/ml
Spiked Amount 50.000		Recovery =	46.63%
6) S 2-Fluorobiphenyl (SURR)	8.845	1948815	23.577 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.15%
11) S ortho-Terphenyl (SURR)	11.918	3328080	22.822 ug/ml
Spiked Amount 50.000		Recovery =	45.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.556	3076418	23.151 ug/ml
2) T Naphthalene (C11.7)	6.235	3153879	23.344 ug/ml
3) T 2-Methylnaphthalene (...)	7.337	3106527	23.289 ug/ml
5) T Acenaphthylene (C15.06)	8.644	3278907	23.151 ug/ml
7) T Acenaphthene (C15.5)	8.944	3226676	23.650 ug/ml
8) T Fluorene (C16.55)	9.737	3231767	23.150 ug/ml
9) T Phenanthrene (C19.36)	11.149	3141262	22.297 ug/ml
10) T Anthracene (C19.43)	11.224	2995077	21.887 ug/ml
12) T Fluoranthene (C21.85)	12.977	3160483	22.162 ug/ml
13) T Pyrene (C20.8)	13.276	3159605	22.518 ug/ml
14) T Benzo[a]anthracene (C...	15.164	2823775	20.819 ug/ml
15) T Chrysene (C27.41)	15.206	3096506	22.119 ug/ml
16) T benzo[b]fluoranthene ...	16.728	2760982	20.894 ug/ml
17) T Bnezo[k]fluoranthene ...	16.760	3057689	22.395 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.110	2661318	21.222 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.487	2421186	21.761 ug/ml
20) T Dibenz[a,h]anthracene...	18.524	3116646	24.220 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.744	2807128	23.492 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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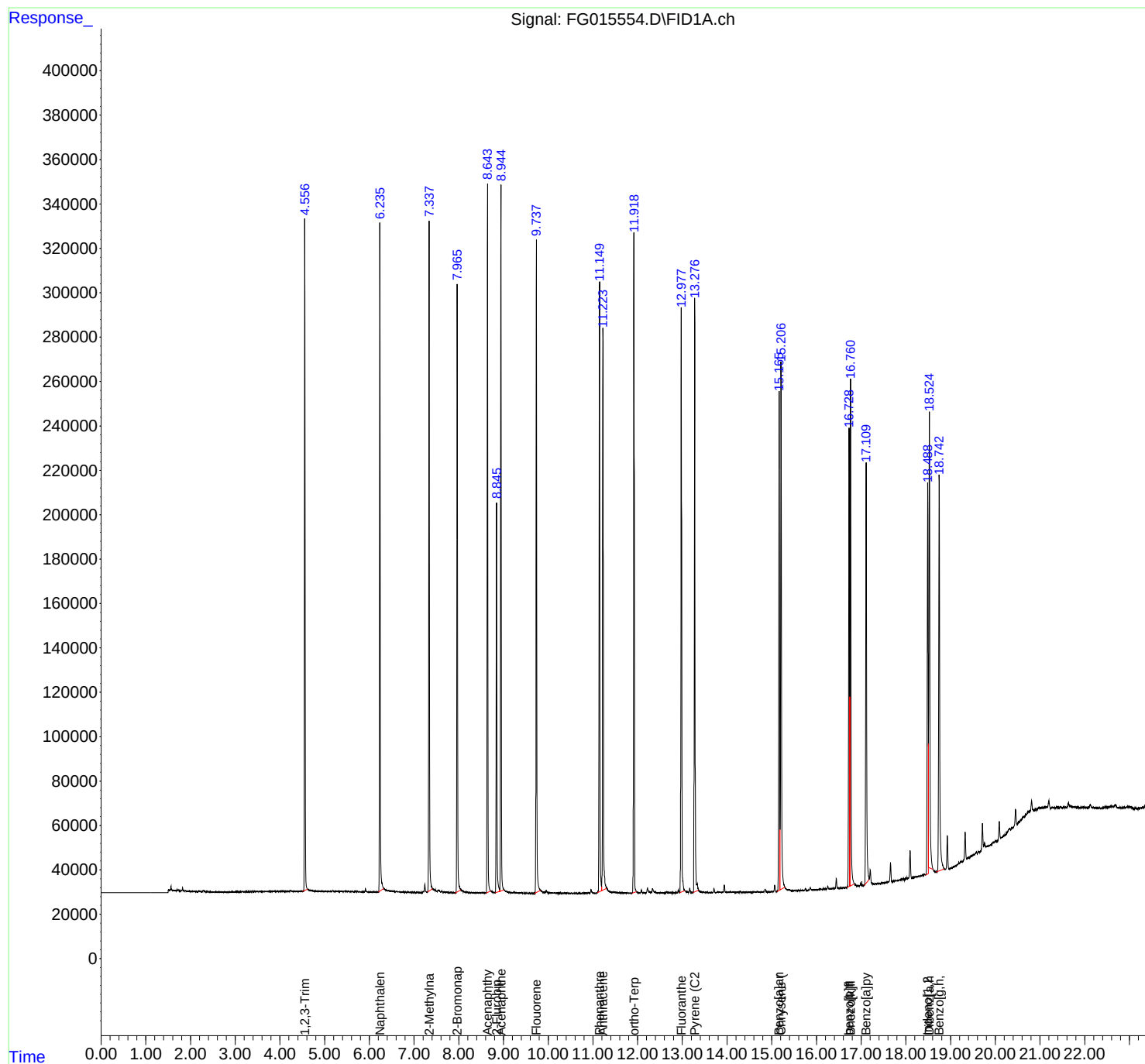
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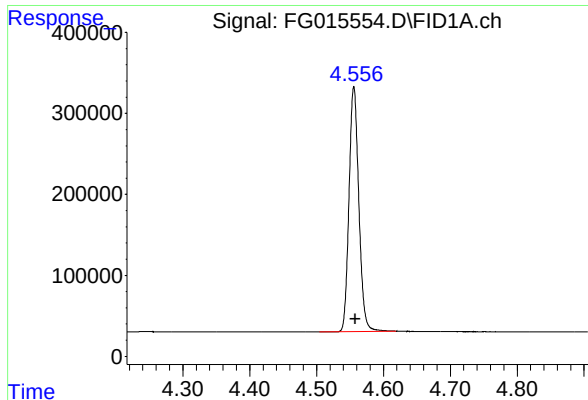
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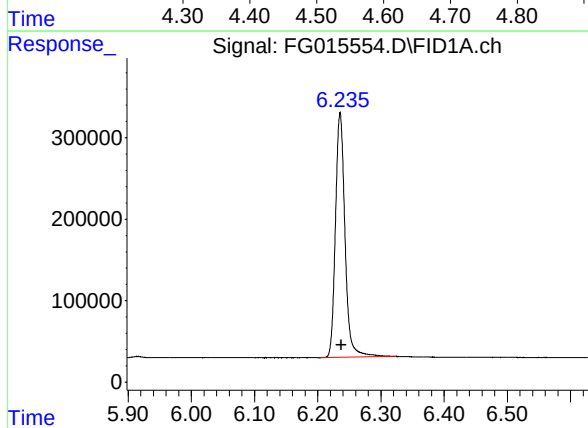
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.556 min
Delta R.T.: -0.002 min
Response: 3076418
Conc: 23.15 ug/ml

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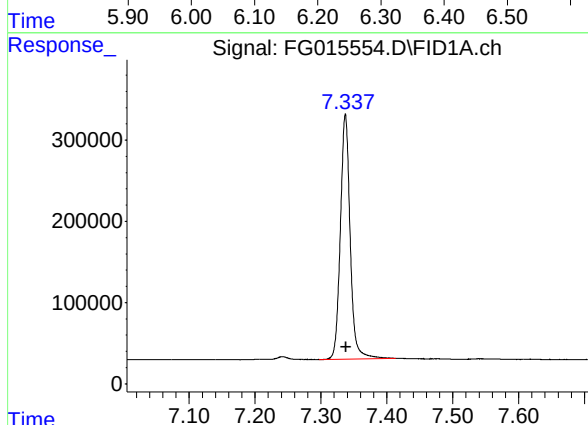
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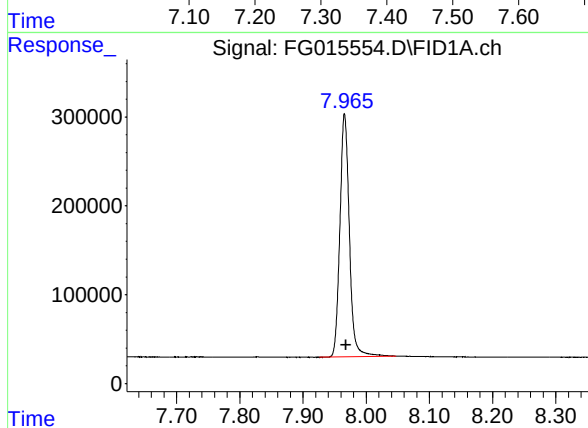
#2 Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: -0.001 min
Response: 3153879
Conc: 23.34 ug/ml



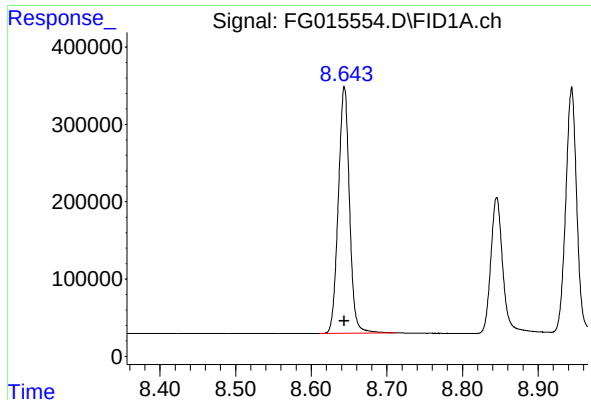
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 3106527
Conc: 23.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 2848221
Conc: 23.32 ug/ml



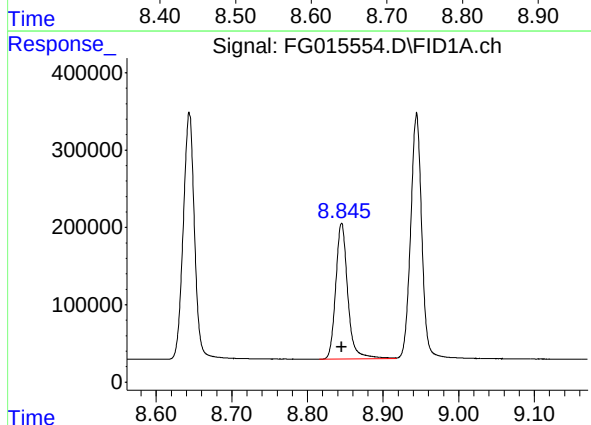
#5 Acenaphthylene (C15.06)

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 3278907
Conc: 23.15 ug/ml

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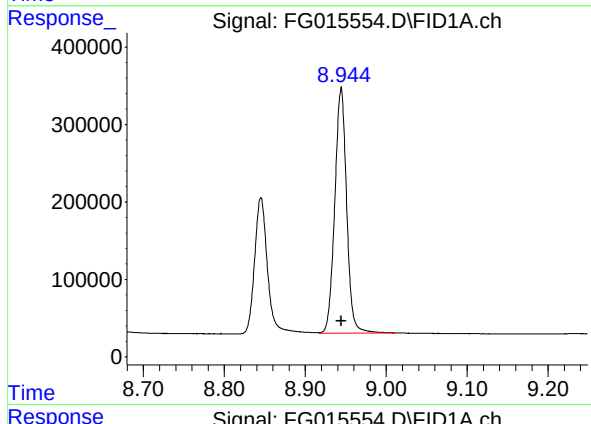
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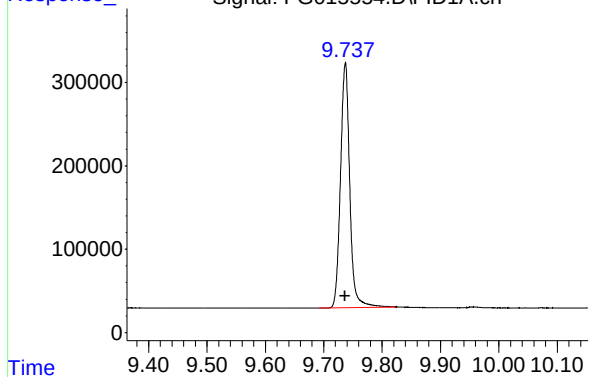
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 1948815
Conc: 23.58 ug/ml



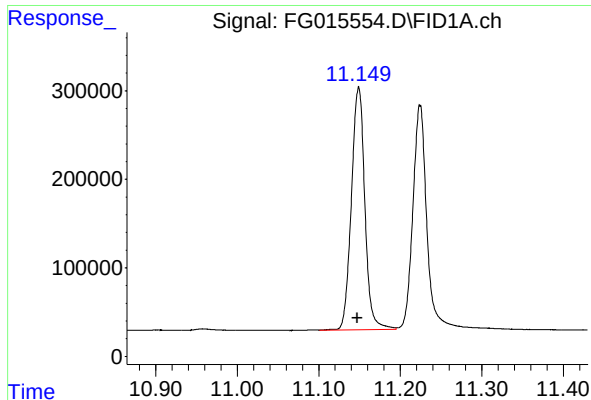
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 3226676
Conc: 23.65 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 3231767
Conc: 23.15 ug/ml



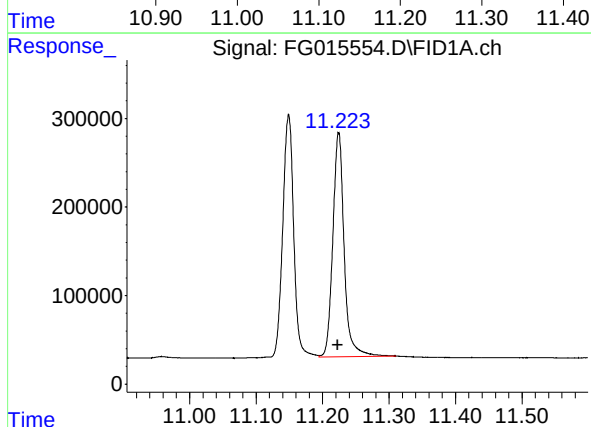
#9 Phenanthrene (C19.36)

R.T.: 11.149 min
Delta R.T.: 0.002 min
Response: 3141262
Conc: 22.30 ug/ml

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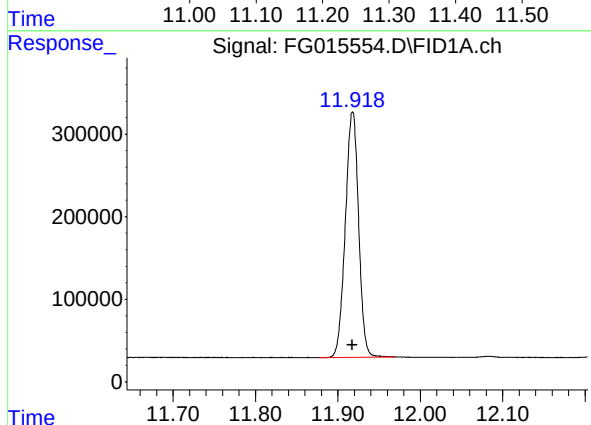
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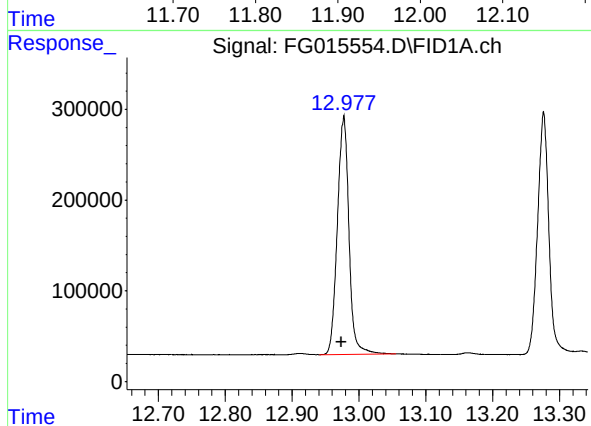
#10 Anthracene (C19.43)

R.T.: 11.224 min
Delta R.T.: 0.001 min
Response: 2995077
Conc: 21.89 ug/ml



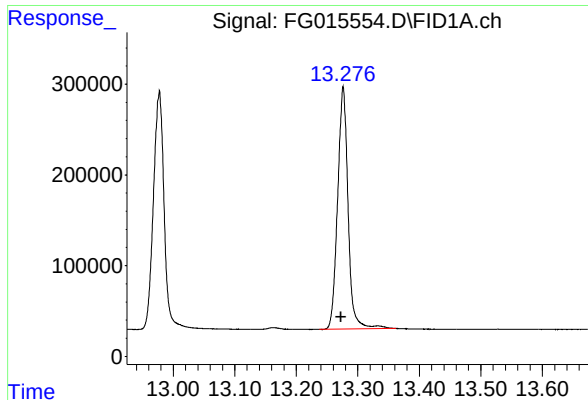
#11 ortho-Terphenyl (SURR)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 3328080
Conc: 22.82 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.977 min
Delta R.T.: 0.003 min
Response: 3160483
Conc: 22.16 ug/ml



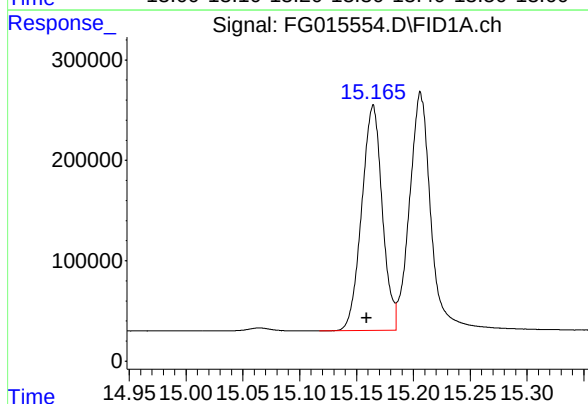
#13 Pyrene (C20.8)

R.T.: 13.276 min
Delta R.T.: 0.004 min
Response: 3159605
Conc: 22.52 ug/ml

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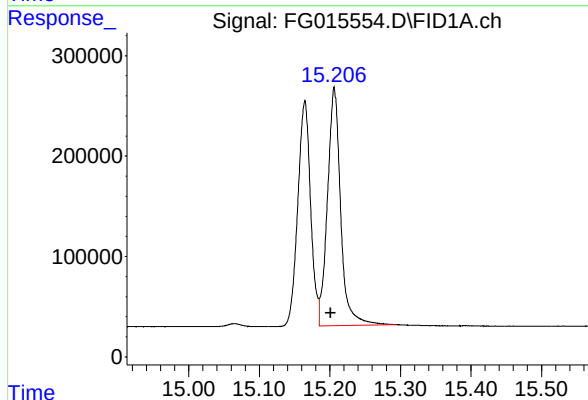
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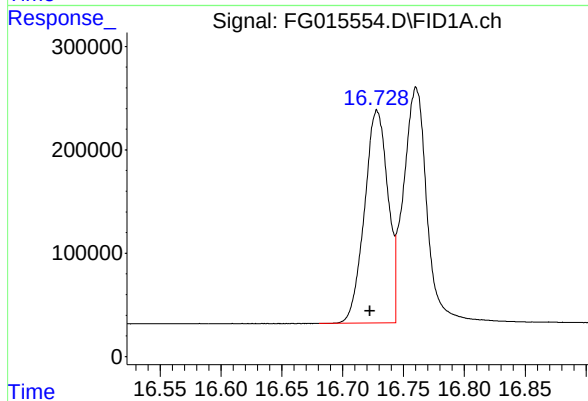
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.164 min
Delta R.T.: 0.005 min
Response: 2823775
Conc: 20.82 ug/ml



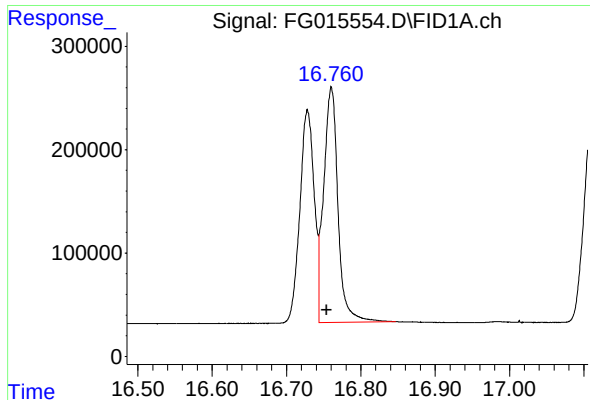
#15 Chrysene (C27.41)

R.T.: 15.206 min
Delta R.T.: 0.005 min
Response: 3096506
Conc: 22.12 ug/ml



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

R.T.: 16.728 min
Delta R.T.: 0.006 min
Response: 2760982
Conc: 20.89 ug/ml



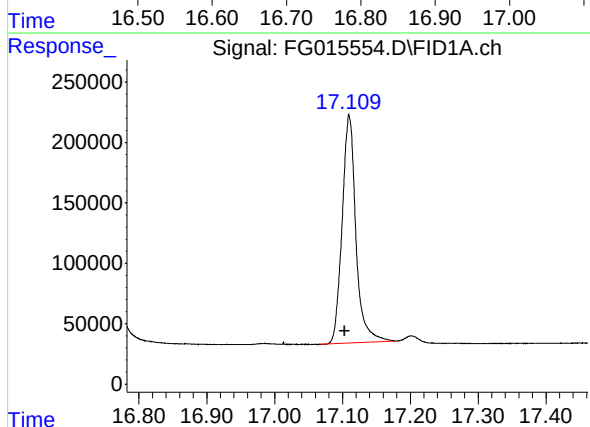
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.760 min
Delta R.T.: 0.006 min
Response: 3057689
Conc: 22.39 ug/ml

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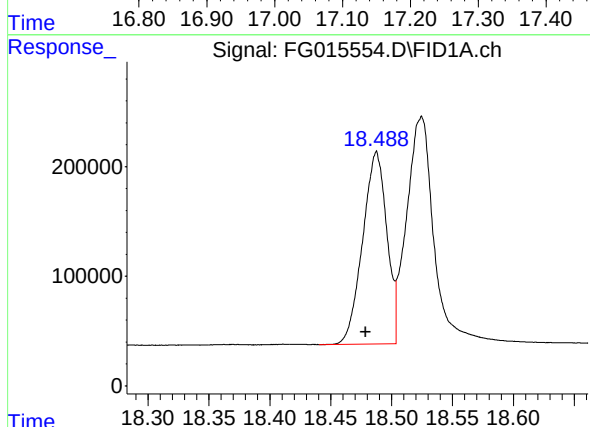
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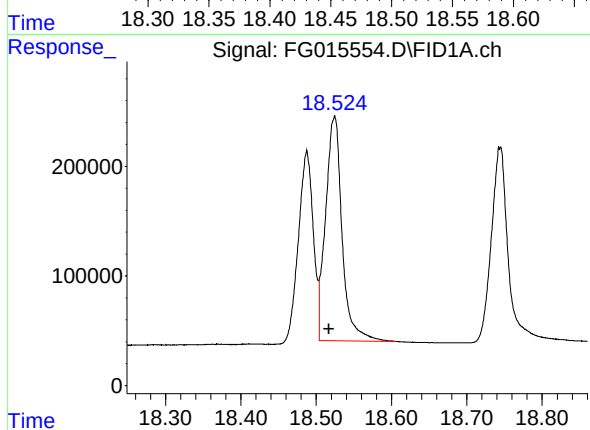
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.007 min
Response: 2661318
Conc: 21.22 ug/ml



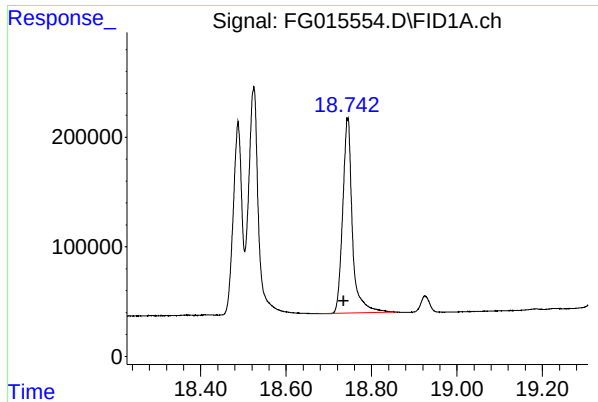
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.487 min
Delta R.T.: 0.009 min
Response: 2421186
Conc: 21.76 ug/ml



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

R.T.: 18.524 min
Delta R.T.: 0.007 min
Response: 3116646
Conc: 24.22 ug/ml m



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

R.T.: 18.744 min
Delta R.T.: 0.009 min
Response: 2807128
Conc: 23.49 ug/ml

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