

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG013025AR\
 Data File : FG015244.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jan 2025 07:38
 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 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 07:49:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 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...	7.980	3003209	22.752 ug/ml
Spiked Amount 50.000		Recovery =	45.50%
6) S 2-Fluorobiphenyl (SURR)	8.856	2047112	24.253 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	48.51%
11) S ortho-Terphenyl (SURR)	11.935	3419751	19.866 ug/ml
Spiked Amount 50.000		Recovery =	39.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.572	3198351	19.939 ug/ml
2) T Naphthalene (C11.7)	6.249	3349441	20.890 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	3309683	20.813 ug/ml
5) T Acenaphthylene (C15.06)	8.656	3369463	21.205 ug/ml
7) T Acenaphthene (C15.5)	8.957	3314623	20.327 ug/ml
8) T Fluorene (C16.55)	9.749	3362738	21.357 ug/ml
9) T Phenanthrene (C19.36)	11.160	3261095	20.425 ug/ml
10) T Anthracene (C19.43)	11.234	2751477	18.636 ug/ml
12) T Fluoranthene (C21.85)	12.986	3255791	19.680 ug/ml
13) T Pyrene (C20.8)	13.285	3225419	19.913 ug/ml
14) T Benzo[a]anthracene (C...	15.171	3000118	20.111 ug/ml
15) T Chrysene (C27.41)	15.213	3030379	19.509 ug/ml
16) T benzo[b]fluoranthene ...	16.733	3069111	20.739 ug/ml
17) T Bnezo[k]fluoranthene ...	16.767	3044092	21.530 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.113	2899206	20.405 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.487	2835227	22.500 ug/ml
20) T Dibenz[a,h]anthracene...	18.528	3281611	22.180 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.745	2997826	22.208 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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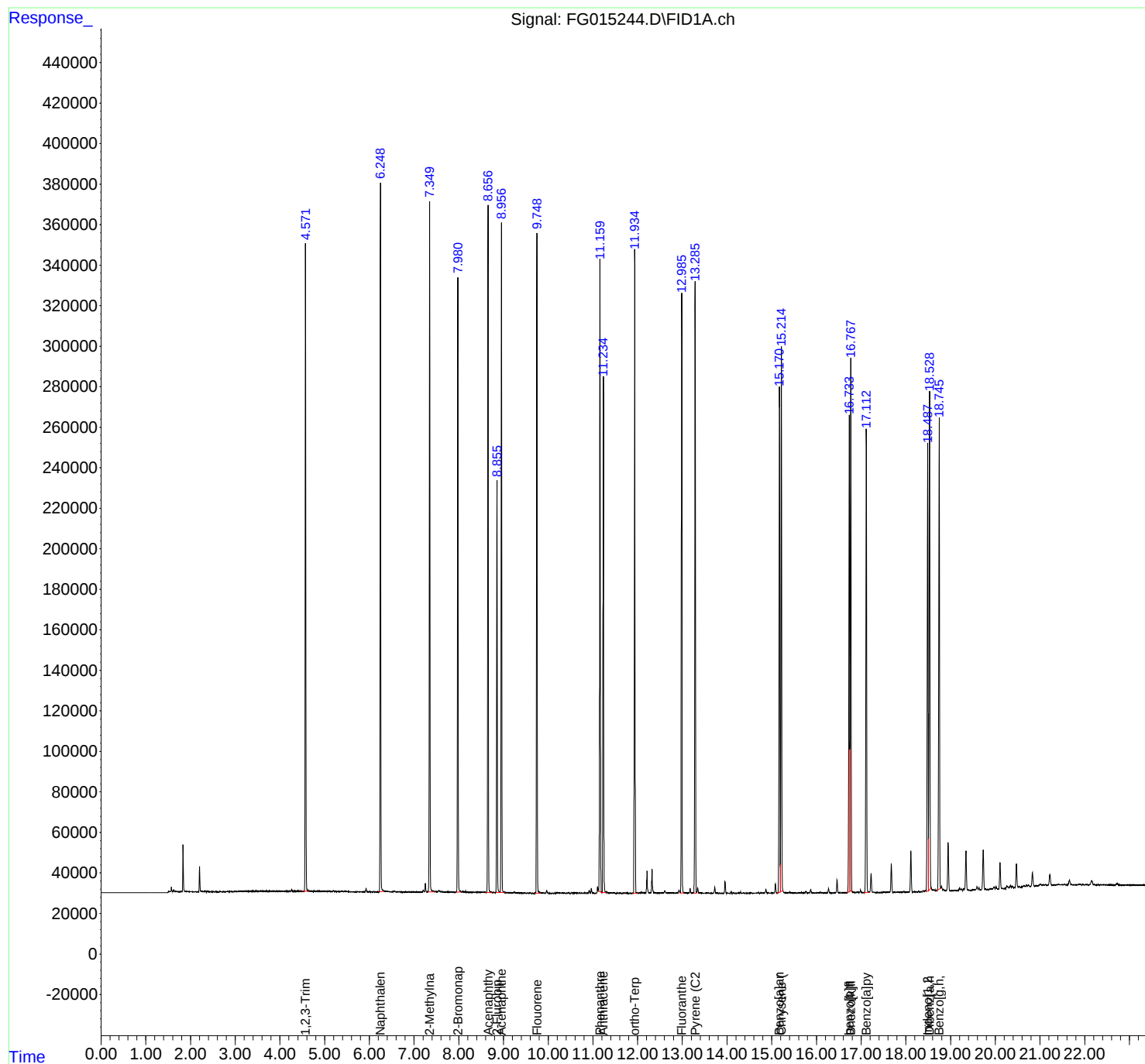
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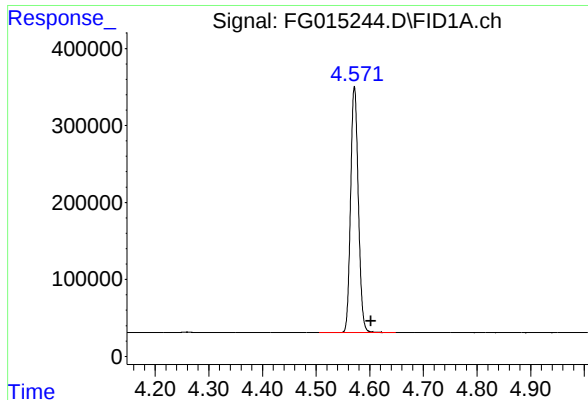
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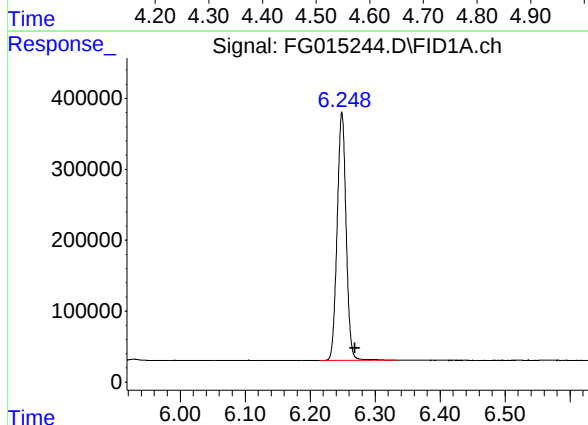
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.572 min
Delta R.T.: -0.030 min
Response: 3198351
Conc: 19.94 ug/ml

Instrument :
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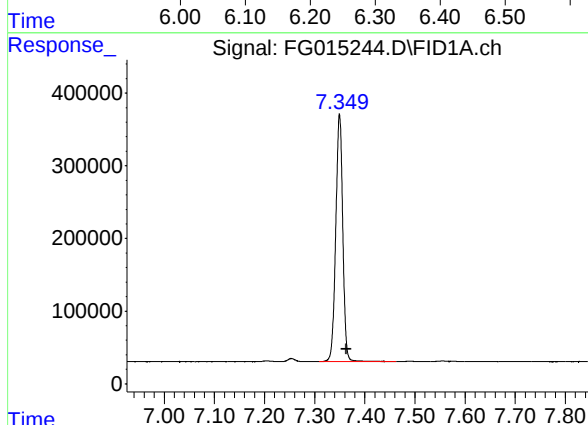
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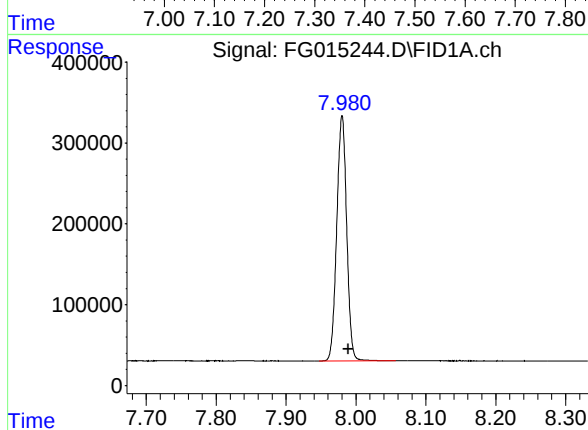
#2 Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.020 min
Response: 3349441
Conc: 20.89 ug/ml



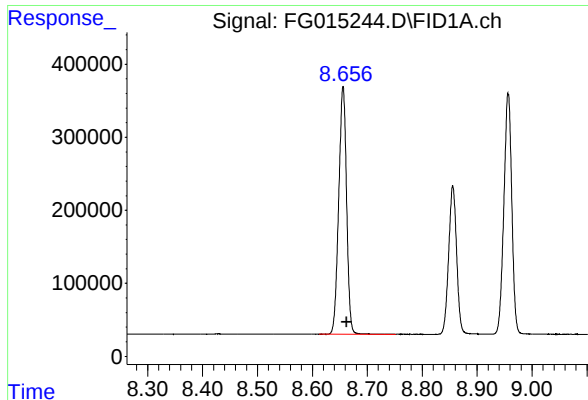
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 3309683
Conc: 20.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.980 min
Delta R.T.: -0.009 min
Response: 3003209
Conc: 22.75 ug/ml



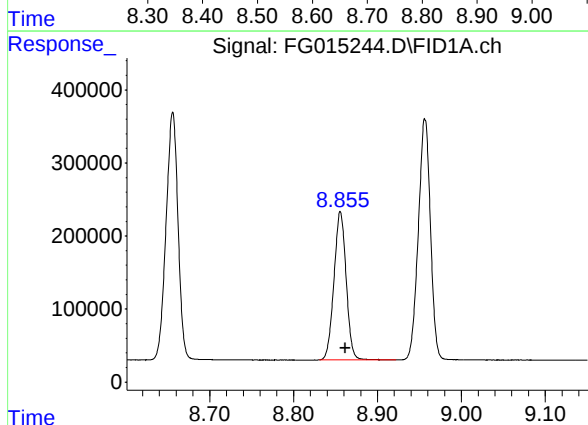
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 3369463
Conc: 21.20 ug/ml

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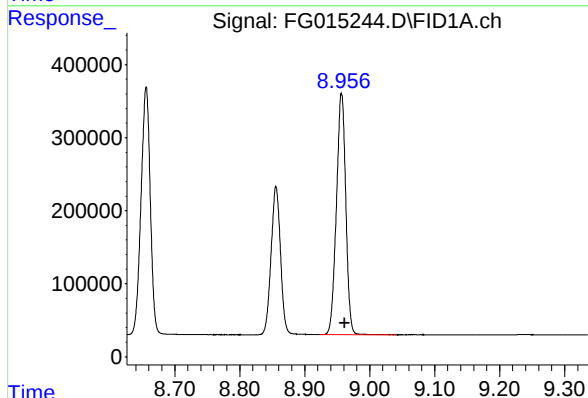
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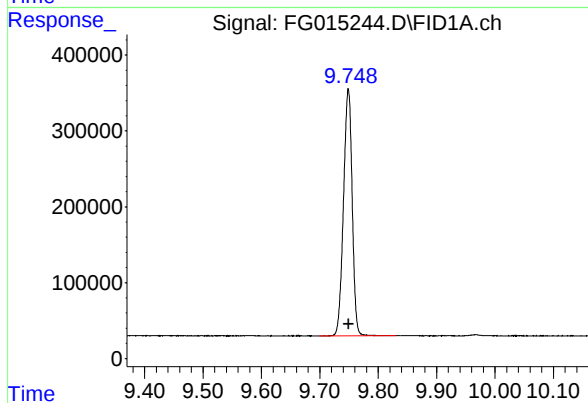
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.856 min
Delta R.T.: -0.006 min
Response: 2047112
Conc: 24.25 ug/ml



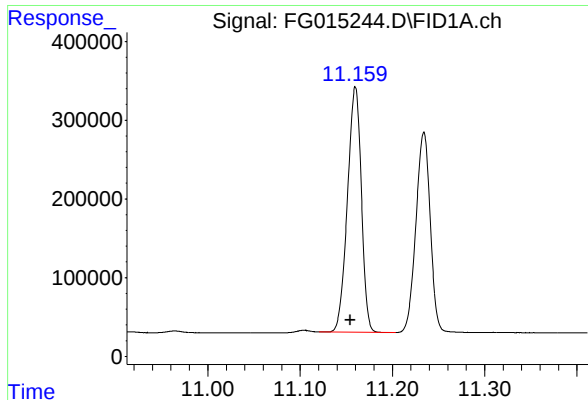
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 3314623
Conc: 20.33 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.749 min
Delta R.T.: 0.000 min
Response: 3362738
Conc: 21.36 ug/ml



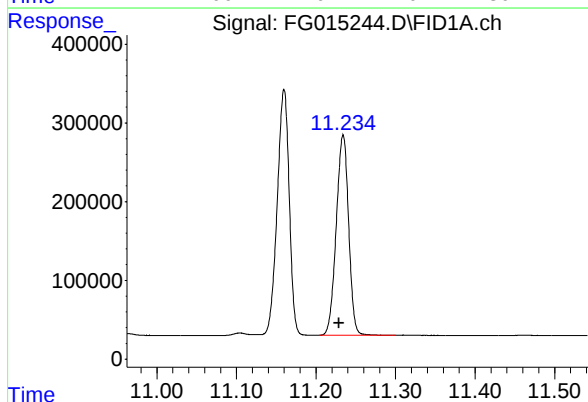
#9 Phenanthrene (C19.36)

R.T.: 11.160 min
Delta R.T.: 0.005 min
Response: 3261095
Conc: 20.42 ug/ml

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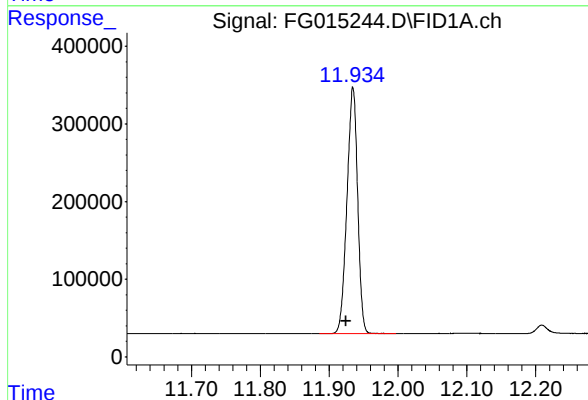
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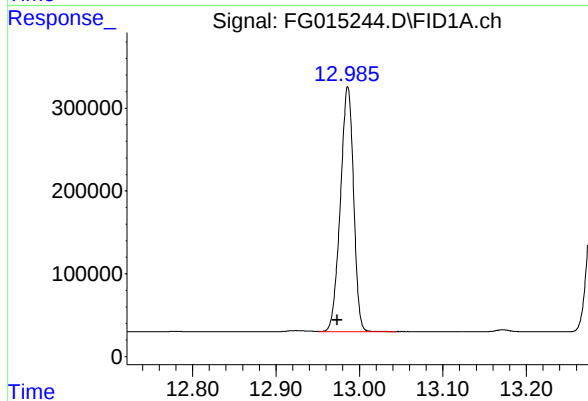
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 2751477
Conc: 18.64 ug/ml



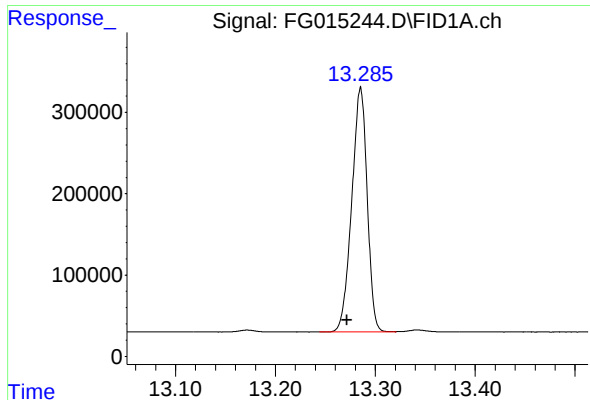
#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.010 min
Response: 3419751
Conc: 19.87 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.986 min
Delta R.T.: 0.013 min
Response: 3255791
Conc: 19.68 ug/ml



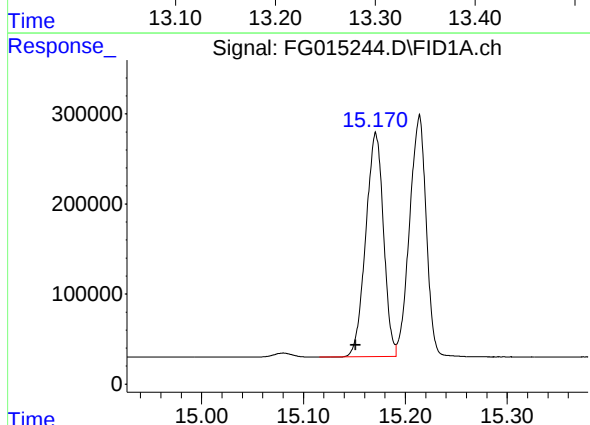
#13 Pyrene (C20.8)

R.T.: 13.285 min
Delta R.T.: 0.014 min
Response: 3225419
Conc: 19.91 ug/ml

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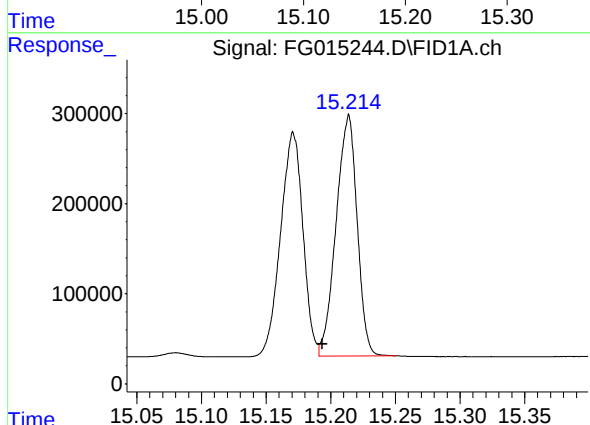
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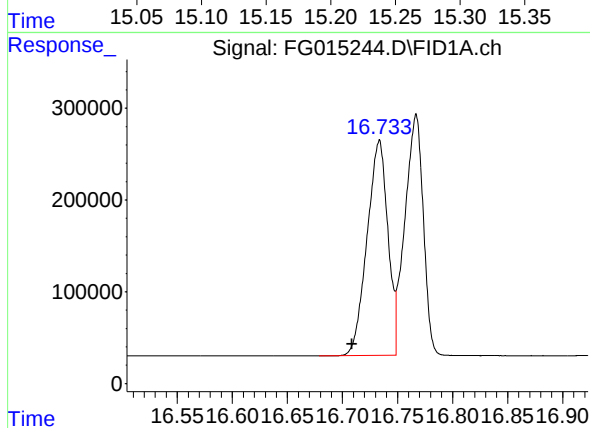
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.171 min
Delta R.T.: 0.020 min
Response: 3000118
Conc: 20.11 ug/ml



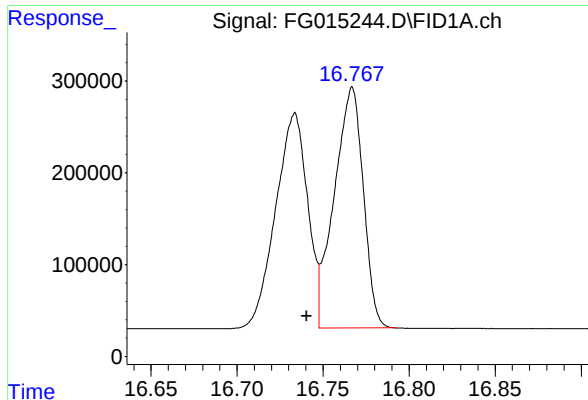
#15 Chrysene (C27.41)

R.T.: 15.213 min
Delta R.T.: 0.020 min
Response: 3030379
Conc: 19.51 ug/ml



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

R.T.: 16.733 min
Delta R.T.: 0.025 min
Response: 3069111
Conc: 20.74 ug/ml



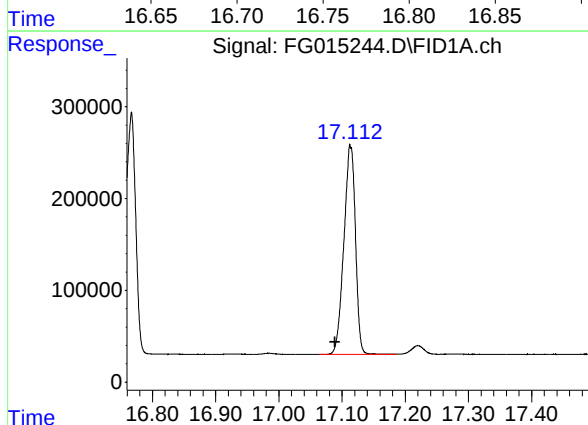
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.767 min
Delta R.T.: 0.026 min
Response: 3044092
Conc: 21.53 ug/ml

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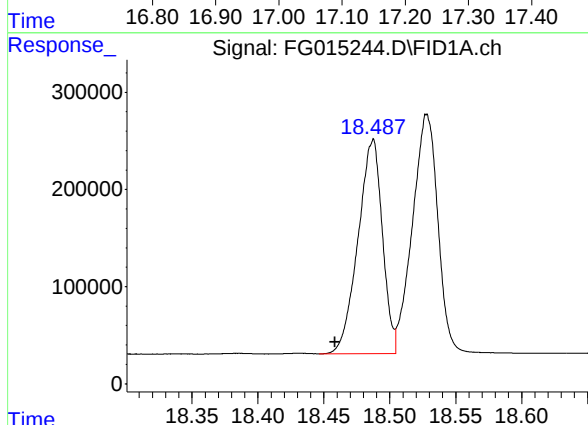
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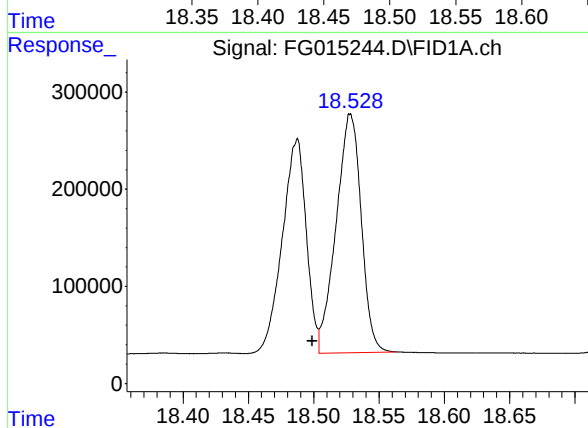
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.113 min
Delta R.T.: 0.025 min
Response: 2899206
Conc: 20.41 ug/ml



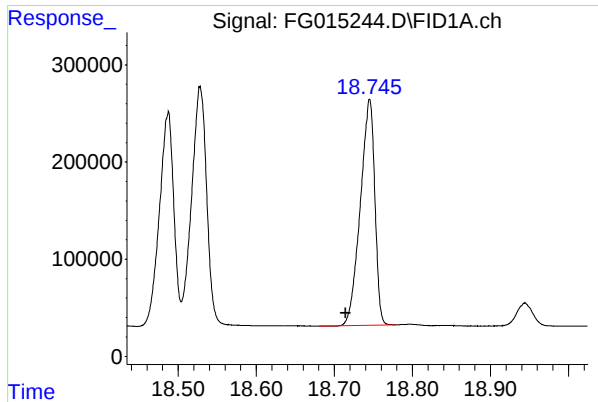
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.487 min
Delta R.T.: 0.028 min
Response: 2835227
Conc: 22.50 ug/ml



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

R.T.: 18.528 min
Delta R.T.: 0.029 min
Response: 3281611
Conc: 22.18 ug/ml m



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

R.T.: 18.745 min
Delta R.T.: 0.030 min
Response: 2997826
Conc: 22.21 ug/ml

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