

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG013025AR\
 Data File : FG015242.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jan 2025 06:41
 Operator : YP\AJ
 Sample : Q1168-09
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MDL-WATER-03-QT1-2025

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 07:34:20 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...	7.983	7361713	55.770 ug/ml
Spiked Amount 50.000		Recovery =	111.54%
6) S 2-Fluorobiphenyl (SURR)	8.859	5031520	59.609 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	119.22%
11) S ortho-Terphenyl (SURR)	11.938	6921292	40.207 ug/ml
Spiked Amount 50.000		Recovery =	80.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.572	303678	1.893 ug/ml
2) T Naphthalene (C11.7)	6.249	343995	2.145 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	351572	2.211 ug/mlm
5) T Acenaphthylene (C15.06)	8.655	359476	2.262 ug/ml
7) T Acenaphthene (C15.5)	8.956	347628	2.132 ug/ml
8) T Flouorene (C16.55)	9.748	344186	2.186 ug/ml
9) T Phenanthrene (C19.36)	11.158	338780	2.122 ug/ml
10) T Anthracene (C19.43)	11.233	334173	2.263 ug/ml
12) T Fluoranthene (C21.85)	12.983	341432	2.064 ug/ml
13) T Pyrene (C20.8)	13.282	346871	2.141 ug/ml
14) T Benzo[a]anthracene (C...	15.167	298342	2.000 ug/ml
15) T Chrysene (C27.41)	15.208	336093	2.164 ug/mlm
16) T benzo[b]fluoranthene ...	16.726	322646	2.180 ug/ml
17) T Bnezo[k]fluoranthene ...	16.756	340519	2.408 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.108	310408	2.185 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.478	317297	2.518 ug/mlm
20) T Dibenz[a,h]anthracene...	18.521	395925	2.676 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.732	305764	2.265 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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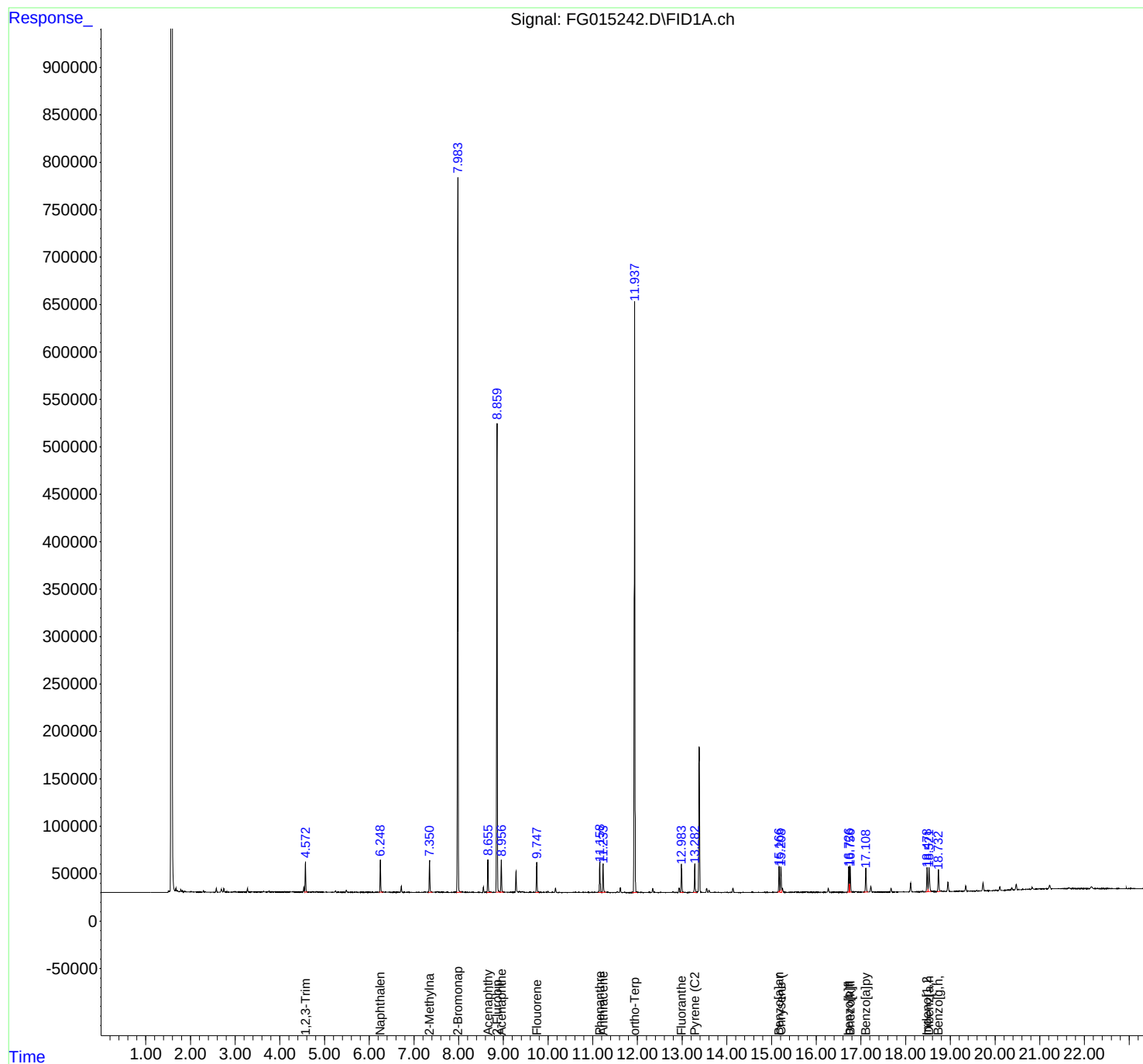
Instrument :
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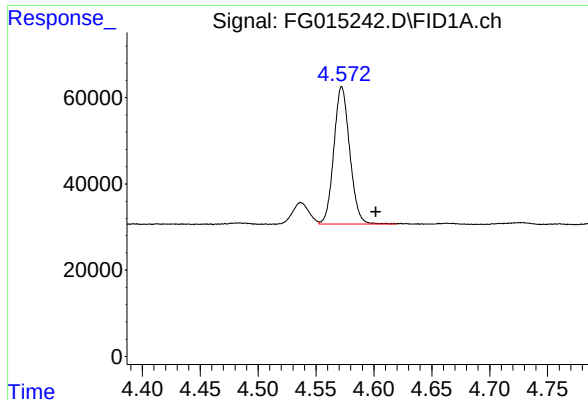
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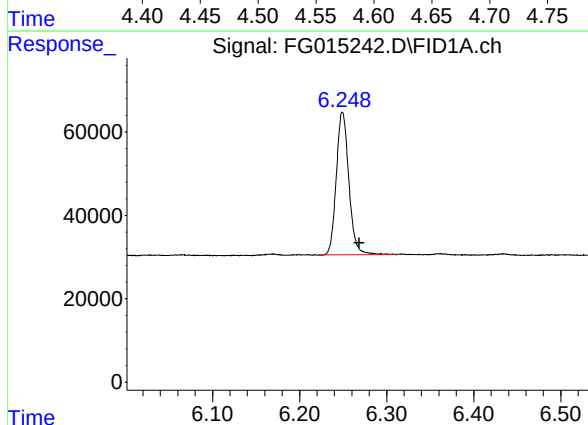
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.572 min
Delta R.T.: -0.030 min
Response: 303678
Conc: 1.89 ug/ml

Instrument : FID_G
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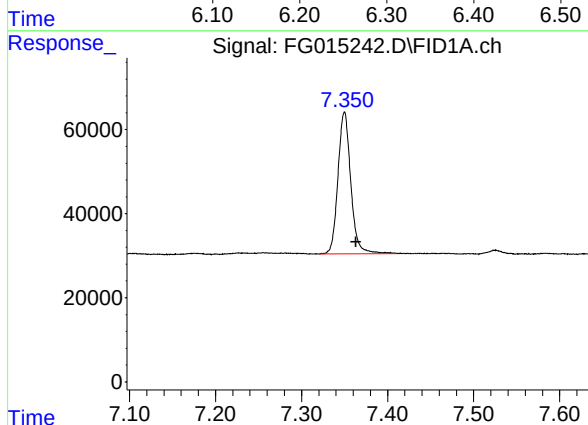
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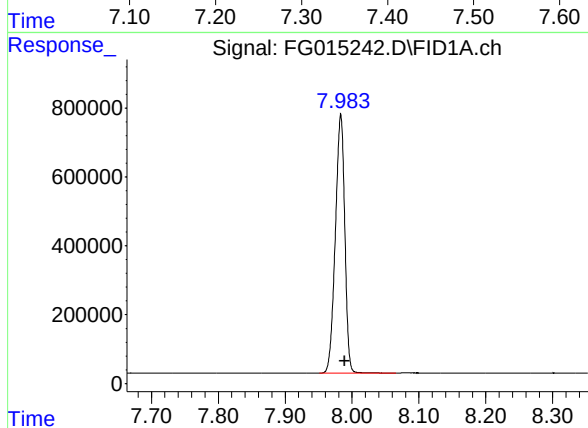
#2 Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.019 min
Response: 343995
Conc: 2.15 ug/ml



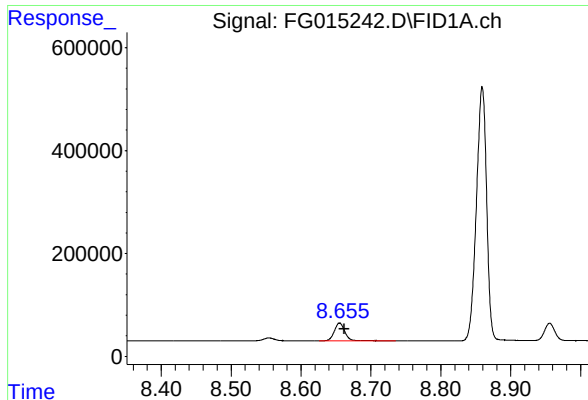
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 351572
Conc: 2.21 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.983 min
Delta R.T.: -0.006 min
Response: 7361713
Conc: 55.77 ug/ml



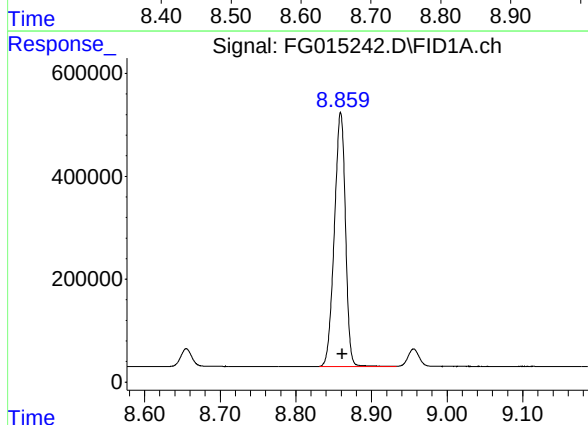
#5 Acenaphthylene (C15.06)

R.T.: 8.655 min
Delta R.T.: -0.007 min
Response: 359476
Conc: 2.26 ug/ml

Instrument :
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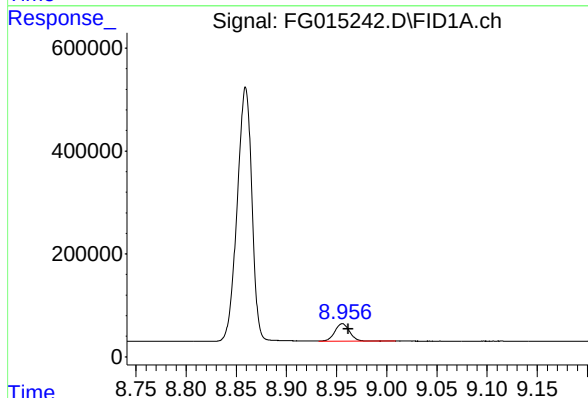
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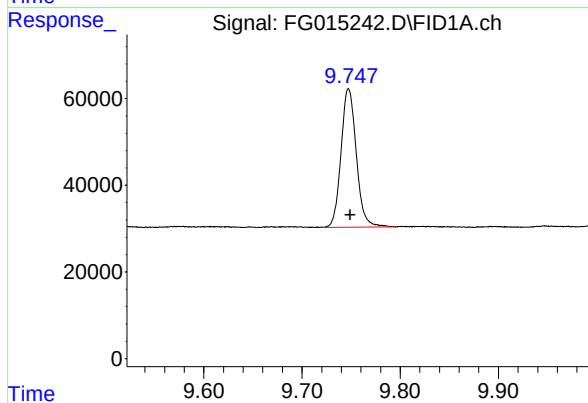
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.859 min
Delta R.T.: -0.002 min
Response: 5031520
Conc: 59.61 ug/ml



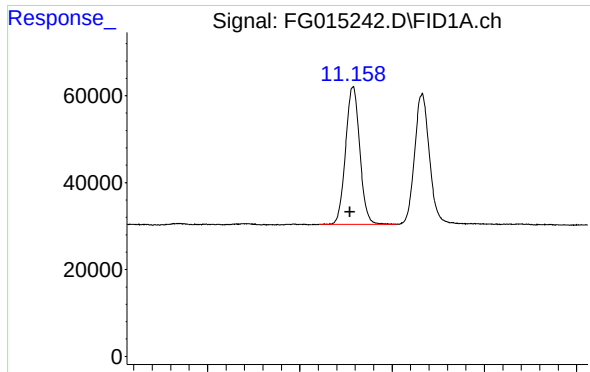
#7 Acenaphthene (C15.5)

R.T.: 8.956 min
Delta R.T.: -0.006 min
Response: 347628
Conc: 2.13 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.748 min
Delta R.T.: -0.002 min
Response: 344186
Conc: 2.19 ug/ml



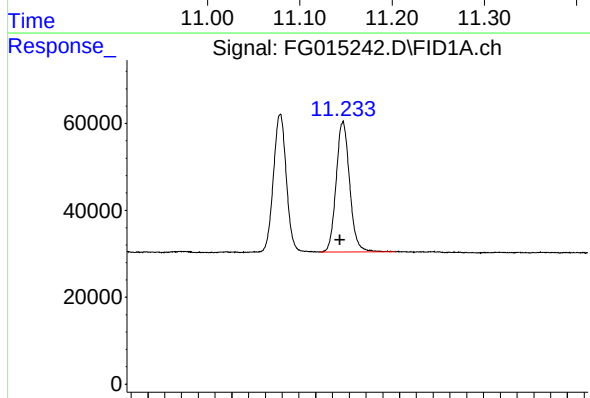
#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.003 min
Response: 338780
Conc: 2.12 ug/ml

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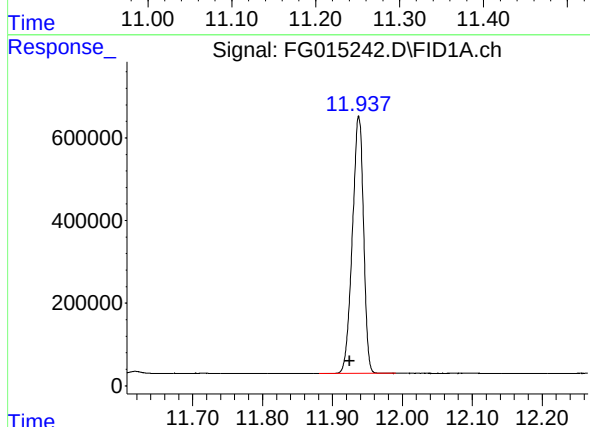
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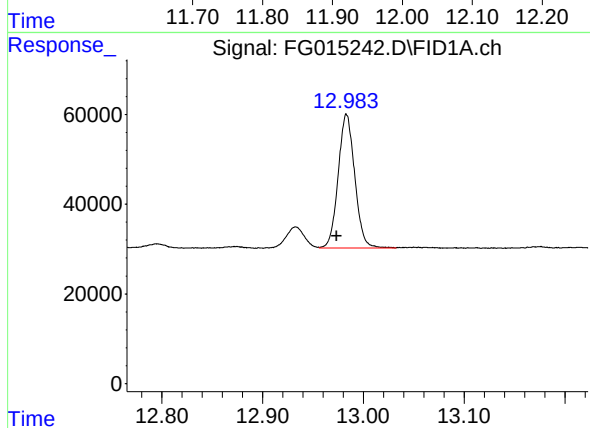
#10 Anthracene (C19.43)

R.T.: 11.233 min
Delta R.T.: 0.004 min
Response: 334173
Conc: 2.26 ug/ml



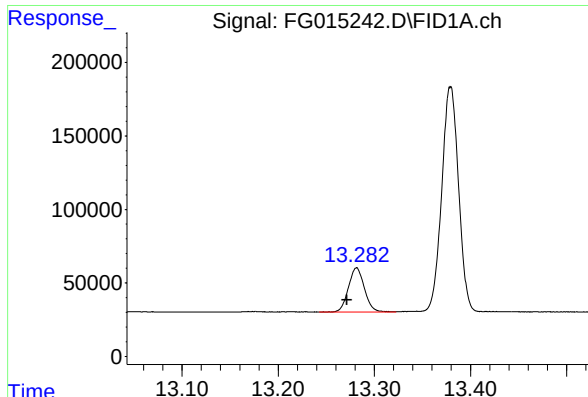
#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.013 min
Response: 6921292
Conc: 40.21 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.983 min
Delta R.T.: 0.010 min
Response: 341432
Conc: 2.06 ug/ml



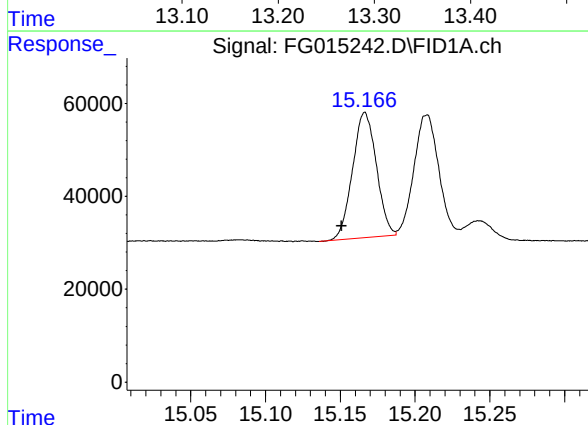
#13 Pyrene (C20.8)

R.T.: 13.282 min
Delta R.T.: 0.010 min
Response: 346871
Conc: 2.14 ug/ml

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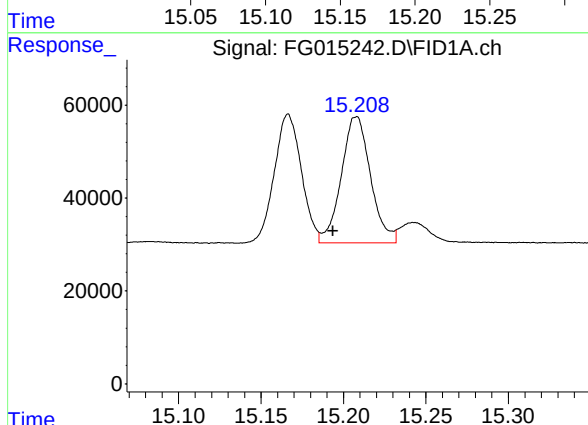
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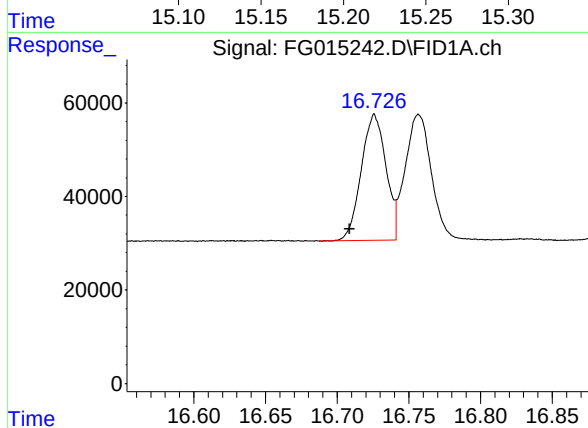
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.167 min
Delta R.T.: 0.016 min
Response: 298342
Conc: 2.00 ug/ml



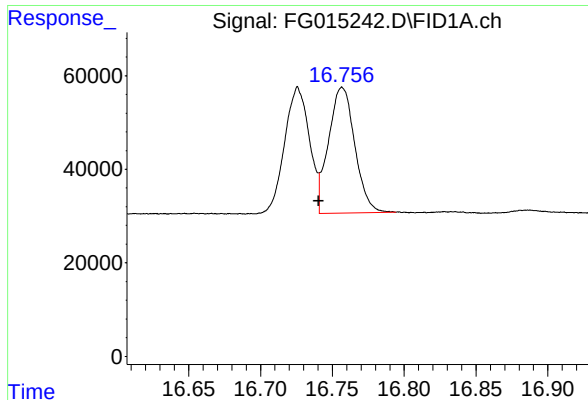
#15 Chrysene (C27.41)

R.T.: 15.208 min
Delta R.T.: 0.015 min
Response: 336093
Conc: 2.16 ug/ml m



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

R.T.: 16.726 min
Delta R.T.: 0.017 min
Response: 322646
Conc: 2.18 ug/ml



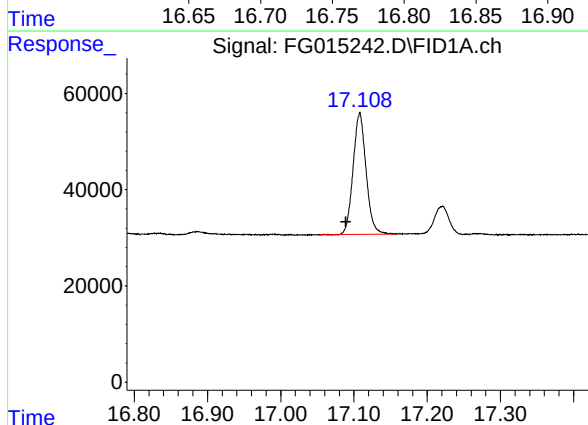
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.756 min
Delta R.T.: 0.016 min
Response: 340519
Conc: 2.41 ug/ml

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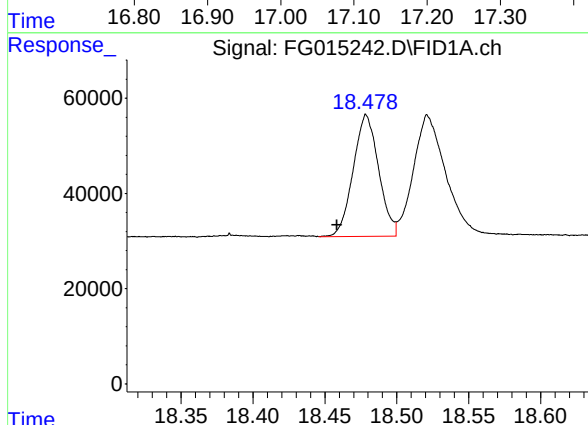
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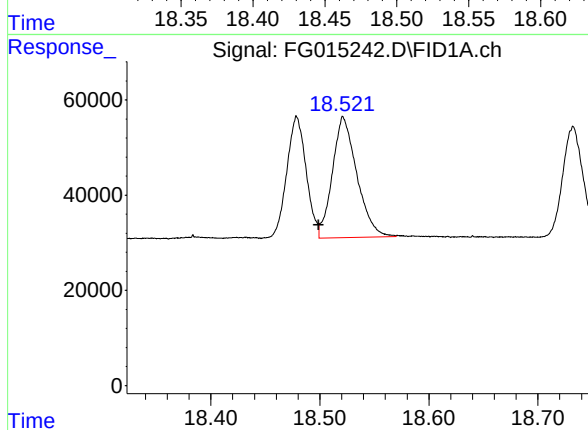
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.108 min
Delta R.T.: 0.019 min
Response: 310408
Conc: 2.18 ug/ml



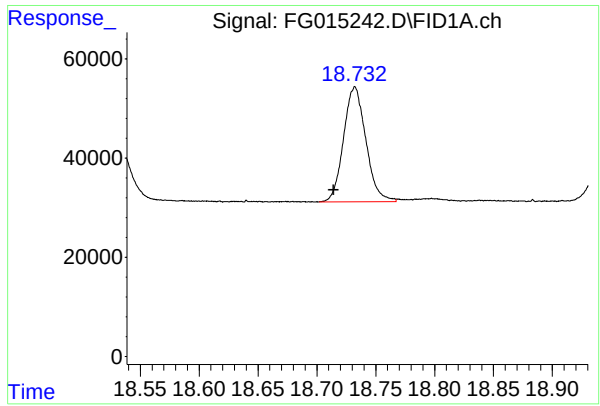
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: 0.020 min
Response: 317297
Conc: 2.52 ug/ml m



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

R.T.: 18.521 min
Delta R.T.: 0.022 min
Response: 395925
Conc: 2.68 ug/ml m



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

R.T.: 18.732 min
Delta R.T.: 0.017 min
Response: 305764
Conc: 2.27 ug/ml

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