Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101524AR\
Data File : FF014688.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 15:00
Operator : YP\AJ
Sample : P4368-02
Misc : 5 PPM SOIL LOD
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
Quant Time: Oct 16 02:25:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 11:02:50 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...	7.856	6475880	60.395 ug/ml
Spiked Amount	50.000		Recovery =	120.79%
6) S	2-Flurobiphenyl (SURR)	8.726	3604203	58.330 ug/ml
Spiked Amount	50.000 Range	0 - 130	Recovery =	116.66%
11) S	ortho-Terphenyl (SURR)	11.787	6795420	49.636 ug/ml
Spiked Amount	50.000		Recovery =	99.27%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.469	529650	4.028 ug/ml
2) T	Naphthalene (C11.7)	6.137	548865	4.268 ug/ml
3) T	2-Methylnaphthalene (...	7.233	559727	4.445 ug/ml
5) T	Acenaphthylene (C15.06)	8.527	601030	4.650 ug/ml
7) T	Acenaphthene (C15.5)	8.823	757052	5.550 ug/ml
8) T	Flouorene (C16.55)	9.618	549236	4.598 ug/ml
9) T	Phenanthrene (C19.36)	11.019	527828	4.583 ug/ml
10) T	Anthracene (C19.43)	11.096	591012	5.000 ug/ml
12) T	Fluoranthene (C21.85)	12.833	648241	5.299 ug/ml
13) T	Pyrene (C20.8)	13.129	655468	5.280 ug/ml
14) T	Benzo[a]anthracene (C...	15.049	576746	6.536 ug/ml
15) T	Chrysene (C27.41)	15.081	470521	3.275 ug/ml
16) T	benzo[b]fluoranthene ...	16.564	449157	4.648 ug/mlm
17) T	Bnezo[k]fluoranthene ...	16.589	808645	5.951 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.952	471625	4.302 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.327	207457	3.236 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.356	883424	8.376 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.564	453876	3.734 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

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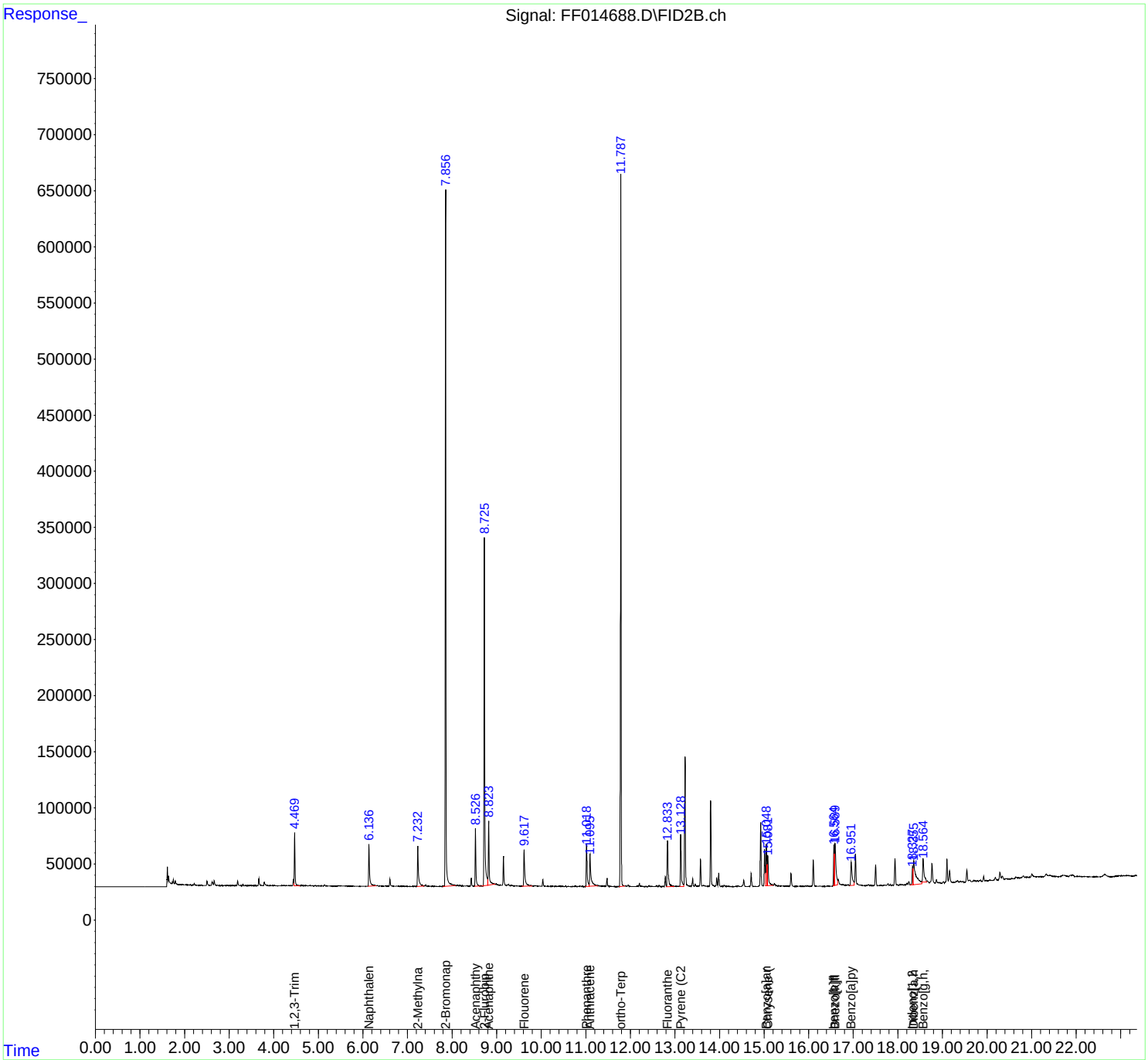

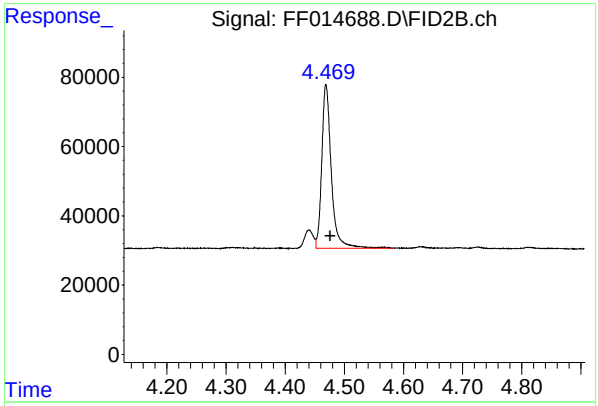

#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.469 min
Delta R.T.: -0.007 min
Response: 529650
Conc: 4.03 ug/ml

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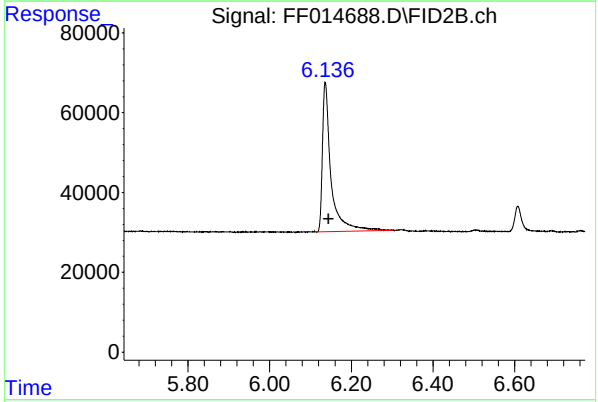
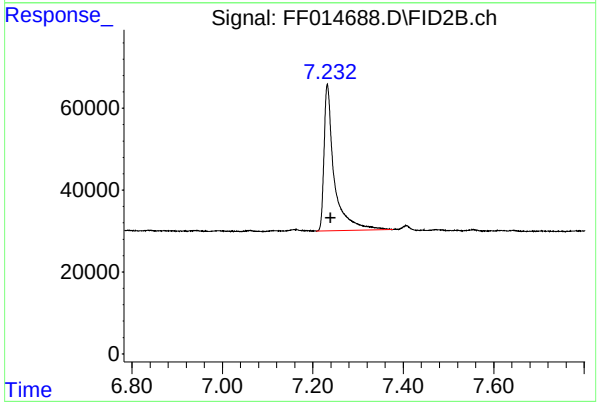


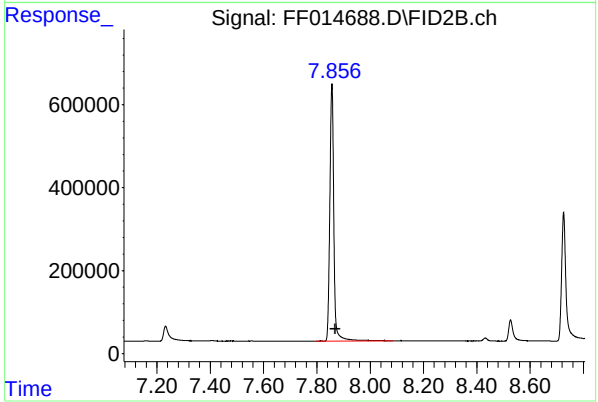
#2 Naphthalene (C11.7)

R.T.: 6.137 min
Delta R.T.: -0.007 min
Response: 548865
Conc: 4.27 ug/ml



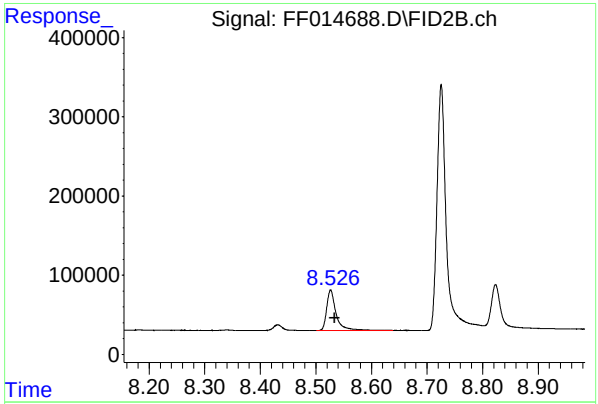
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.233 min
Delta R.T.: -0.007 min
Response: 559727
Conc: 4.44 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.856 min
Delta R.T.: -0.012 min
Response: 6475880
Conc: 60.40 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.527 min
Delta R.T.: -0.007 min
Response: 601030
Conc: 4.65 ug/ml

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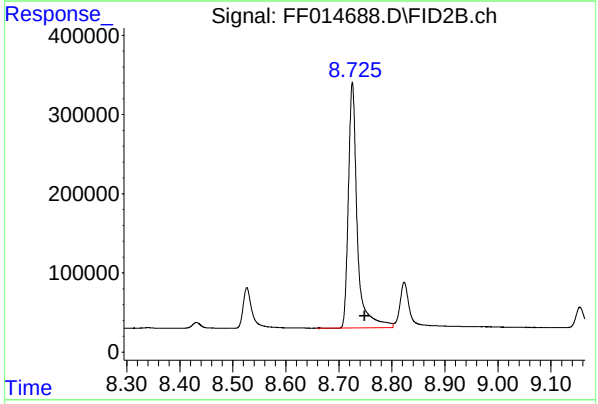
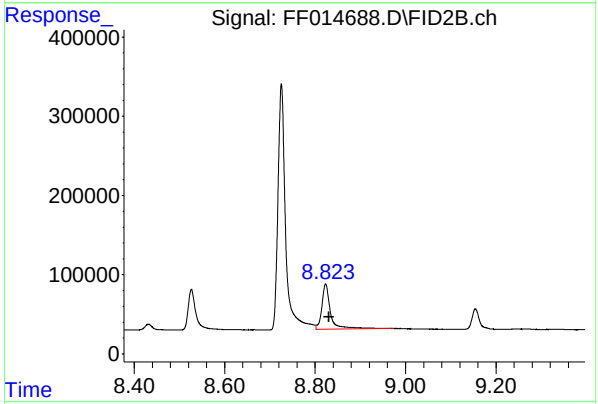


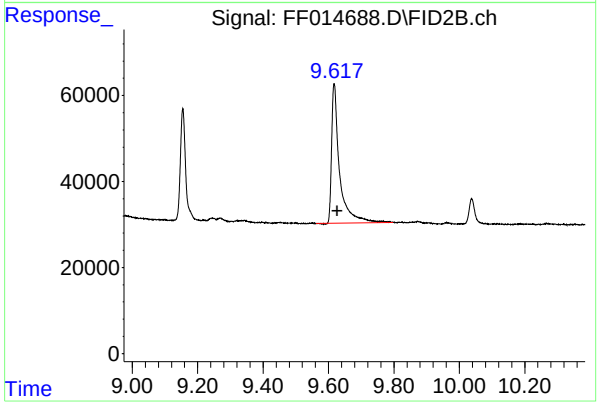
#6 2-Flurobiphenyl (SURR)

R.T.: 8.726 min
Delta R.T.: -0.023 min
Response: 3604203
Conc: 58.33 ug/ml



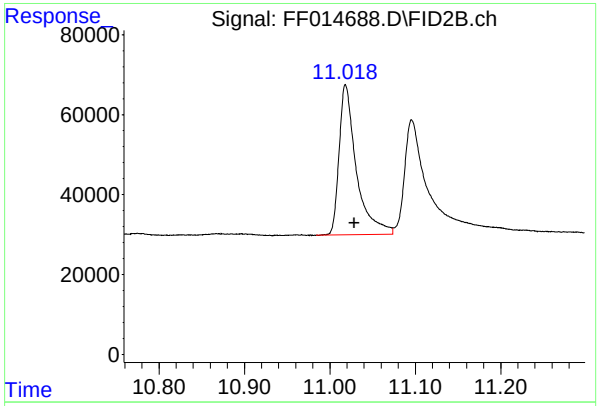
#7 Acenaphthene (C15.5)

R.T.: 8.823 min
Delta R.T.: -0.007 min
Response: 757052
Conc: 5.55 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.618 min
Delta R.T.: -0.009 min
Response: 549236
Conc: 4.60 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.019 min
Delta R.T.: -0.010 min
Response: 527828
Conc: 4.58 ug/ml

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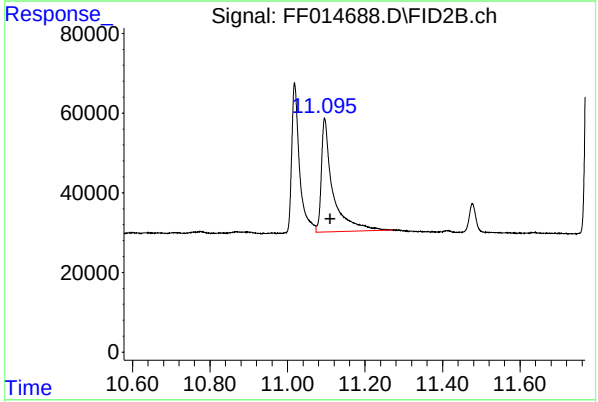
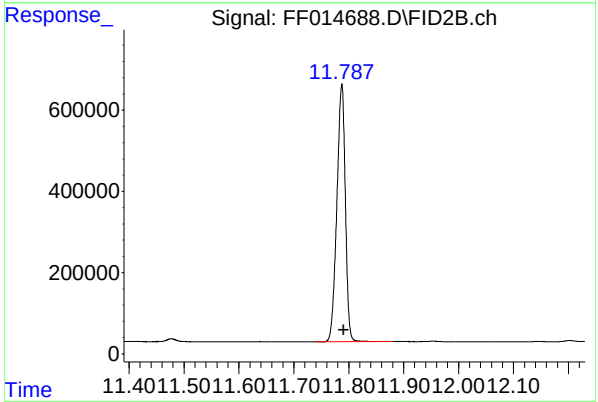


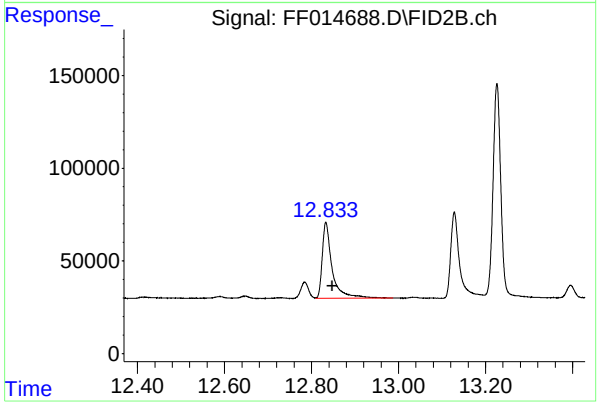
#10 Anthracene (C19.43)

R.T.: 11.096 min
Delta R.T.: -0.014 min
Response: 591012
Conc: 5.00 ug/ml



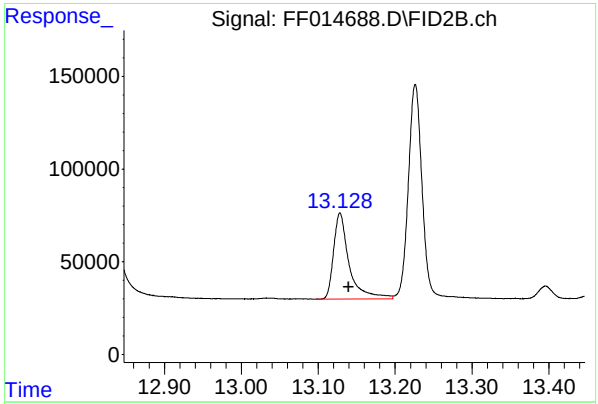
#11 ortho-Terphenyl (SURR)

R.T.: 11.787 min
Delta R.T.: -0.004 min
Response: 6795420
Conc: 49.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.833 min
Delta R.T.: -0.015 min
Response: 648241
Conc: 5.30 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.129 min
Delta R.T.: -0.011 min
Response: 655468
Conc: 5.28 ug/ml

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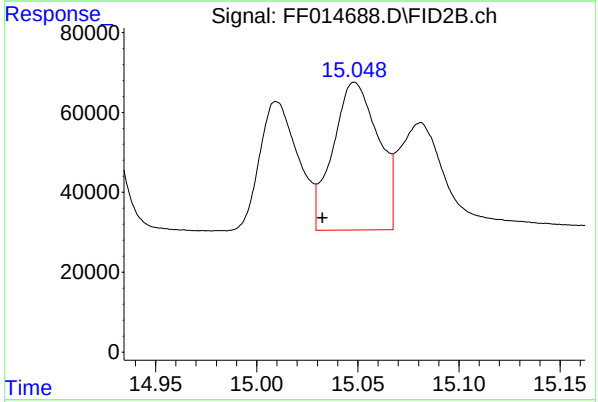
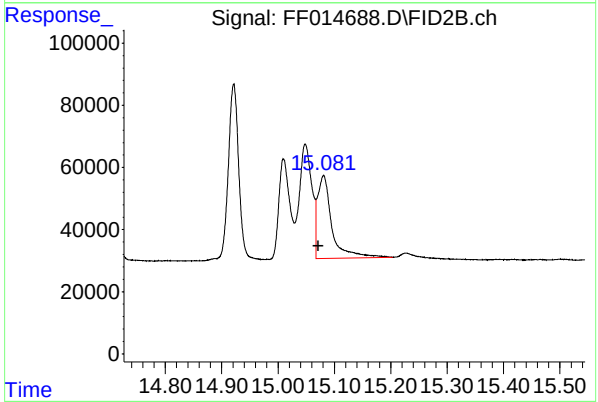


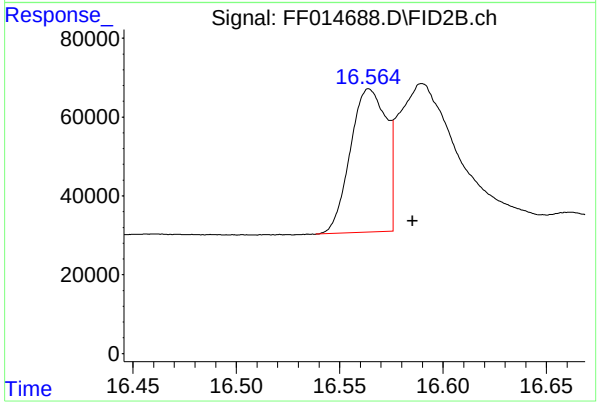
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.049 min
Delta R.T.: 0.016 min
Response: 576746
Conc: 6.54 ug/ml



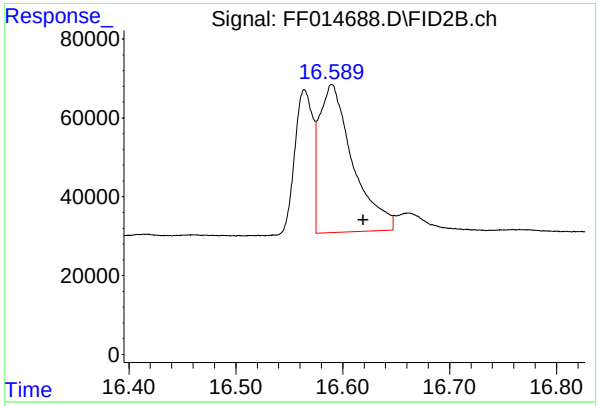
#15 Chrysene (C27.41)

R.T.: 15.081 min
Delta R.T.: 0.009 min
Response: 470521
Conc: 3.27 ug/ml



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

R.T.: 16.564 min
Delta R.T.: -0.021 min
Response: 449157
Conc: 4.65 ug/ml m



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

R.T.: 16.589 min
Delta R.T.: -0.030 mi
Response: 808645
Conc: 5.95 ug/m

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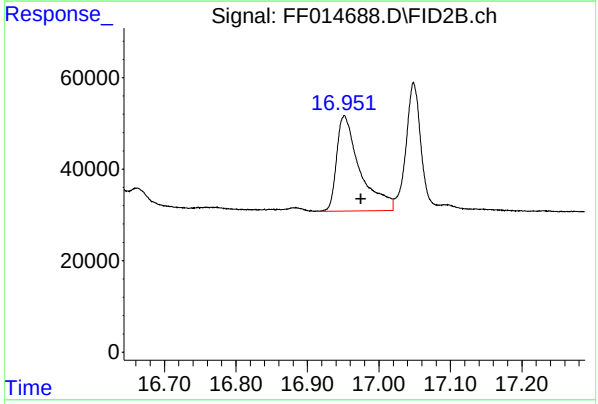
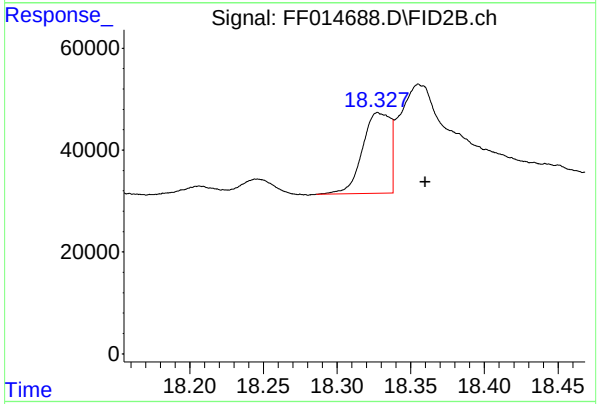


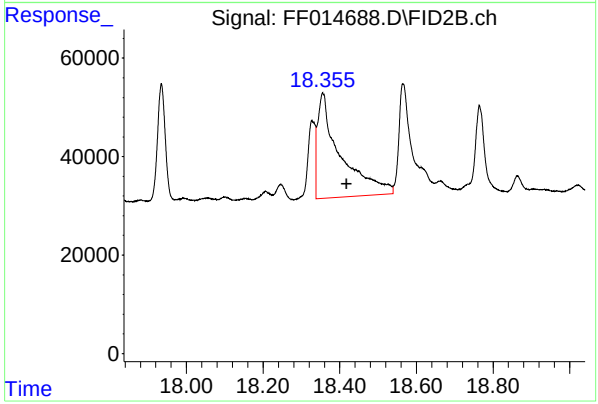
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.952 min
Delta R.T.: -0.023 min
Response: 471625
Conc: 4.30 ug/ml



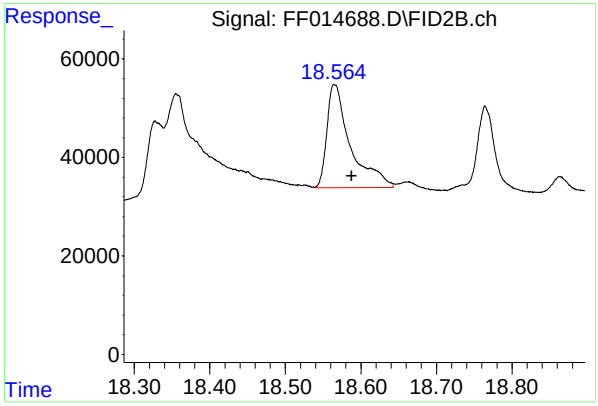
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.327 min
Delta R.T.: -0.033 min
Response: 207457
Conc: 3.24 ug/ml m



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

R.T.: 18.356 min
Delta R.T.: -0.062 min
Response: 883424
Conc: 8.38 ug/ml



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

R.T.: 18.564 min
Delta R.T.: -0.023 mi
Response: 453876
Conc: 3.73 ug/m

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