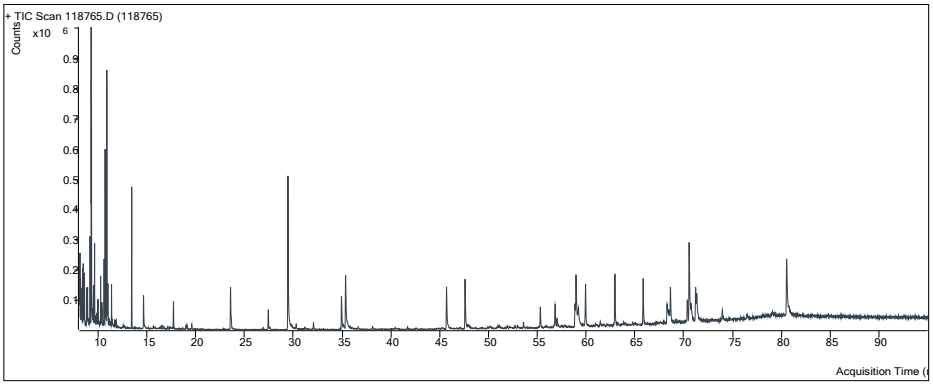
Quantitative Analysis Sample Report

Batch Data Path	P:\Data, Organics Lab\GCMS Data\2_Completed Quant Files\2024\Q2_240620 EI O-45086, 45088, 45096, 45098\QuantResults\PAH_45096, 45098.batch.bin		
Analysis Time	6/26/2024 9:43 AM	**Analyst Name**	SAIPAN\yvonne
Report Time	8/17/2024 1:25 PM	**Reporter Name**	SAIPAN\richg
Last Calib Update	6/26/2024 9:43 AM	**Batch State**	Processed

Analysis Info

Acq Time	2024-06-25 08:31	**Data File**	118765.D
Position	36	**Sample Name**	118765
Dilution	0.5181	**Sample Info**	
Inj Vol	2	**Acq Method File**	EI_95.M
Sample Type	Sample	**Comment**	118765,Total,R1,06/11/2024,O-45098,

Sample Chromatogram



Quantitation Results

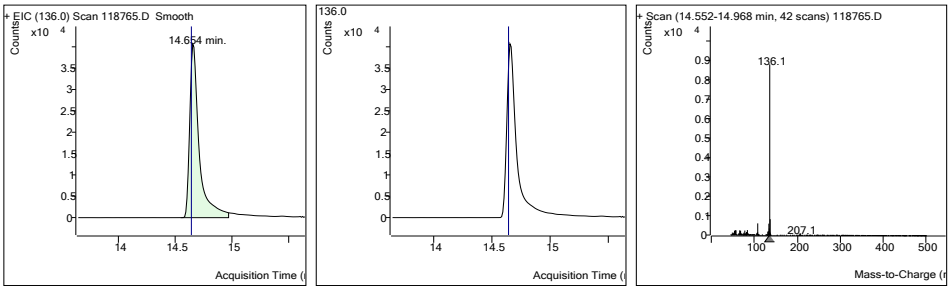
Compound	ISTD	RT	Response	ISTD Resp	RR	Conc	Accuracy
(d8-Naphthalene)	Anthracene-d10 (IS)	14.654	234489	520357	0.4506	402.3214	
Naphthalene	Anthracene-d10 (IS)	14.745	2366	520357	0.0045	2.0679	
2-Methylnaphthalene	Anthracene-d10 (IS)	17.597	0	520357	0.0000	0.0000	
1-Methylnaphthalene	Anthracene-d10 (IS)	18.074	0	520357	0.0000	0.0000	
Biphenyl	Anthracene-d10 (IS)	20.074	0	520357	0.0000	0.0000	
2,6-Dimethylnaphthalene	Anthracene-d10 (IS)	20.957	0	520357	0.0000	0.0000	
Acenaphthylene	Anthracene-d10 (IS)	22.591	0	520357	0.0000	0.0000	
(d10-Acenaphthene)	Anthracene-d10 (IS)	23.565	147845	520357	0.2841	430.1781	
Acenaphthene	Anthracene-d10 (IS)	23.809	1532	520357	0.0029	1.6775	
2,3,5-Trimethylnaphthalene	Anthracene-d10 (IS)	26.610	0	520357	0.0000	0.0000	
Fluorene	Anthracene-d10 (IS)	27.544	0	520357	0.0000	0.0000	
Dibenzothiophene	Anthracene-d10 (IS)	34.151	0	520357	0.0000	0.0000	
(d10-Phenanthrene)	Anthracene-d10 (IS)	34.933	271636	520357	0.5220	500.7540	
Phenanthrene	Anthracene-d10 (IS)	35.146	26932	520357	0.0518	23.1081	
Anthracene	Anthracene-d10 (IS)	35.542	9507	520357	0.0183	8.5164	
1-Methylphenanthrene	Anthracene-d10 (IS)	40.759	8043	520357	0.0155	11.2895	
Fluoranthene	Anthracene-d10 (IS)	45.712	368594	520357	0.7083	324.3896	
Pyrene	Anthracene-d10 (IS)	47.610	428024	520357	0.8226	356.2410	
Benz[a]anthracene	Anthracene-d10 (IS)	58.866	183387	520357	0.3524	270.0806	
(d12-Chrysene)	Benzo[a]pyrene-d12	58.988	443754	691643	0.6416	559.1320	
Chrysene	Anthracene-d10 (IS)	59.211	236443	520357	0.4544	199.1799	
Benzo[b]fluoranthene	Anthracene-d10 (IS)	68.305	148145	520357	0.2847	213.4720	
Benzo[k]fluoranthene	Anthracene-d10 (IS)	68.396	226222	520357	0.4347	188.8993	
Benzo[e]pyrene	Benzo[a]pyrene-d12	70.376	134520	691643	0.1945	85.7252	

Quantitative Analysis Sample Report

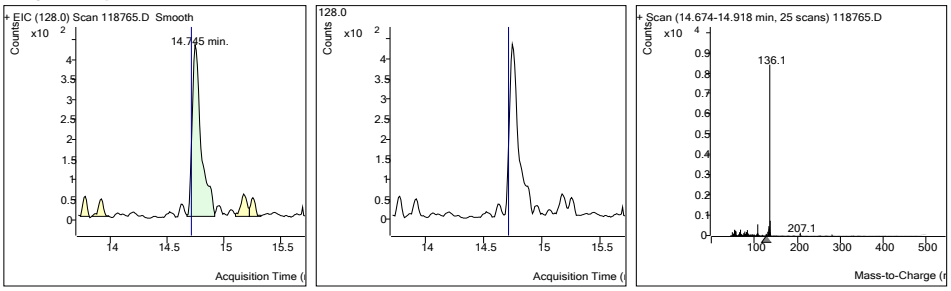
Compound	ISTD	RT	Response	ISTD Resp	RR	Conc	Accuracy
Benzo[a]pyrene	Benzo[a]pyrene-d12	70.782	151032	691643	0.2184	99.8718	
(d12-Perylene)	Benzo[a]pyrene-d12	71.238	334025	691643	0.4829	738.5111	
Perylene	Benzo[a]pyrene-d12	71.441	54675	691643	0.0791	36.1491	
Indeno[1,2,3-cd]pyrene	d12-Benzo[g,h,i]perylene	79.094	47519	592302	0.0802	78.5611	
Dibenz[a,h]anthracene	d12-Benzo[g,h,i]perylene	79.399	16254	592302	0.0274	26.9238	
Benzo[g,h,i]perylene	d12-Benzo[g,h,i]perylene	80.799	63085	592302	0.1065	48.8854	

Compound Graphics

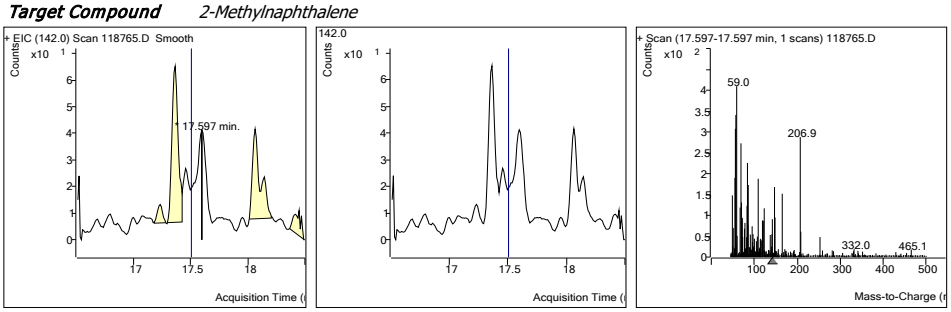
Target Compound *(d8-Naphthalene)*



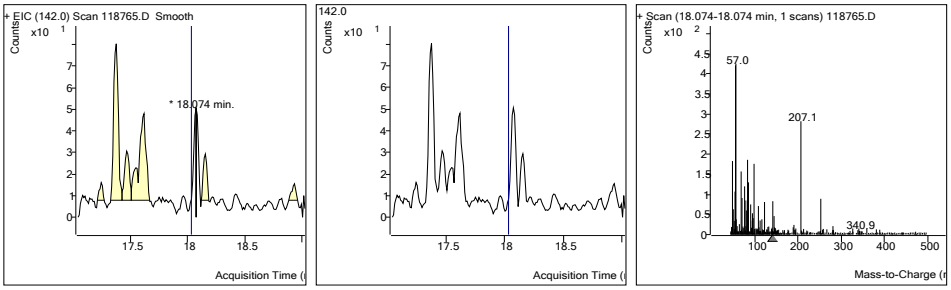
Target Compound *Naphthalene*



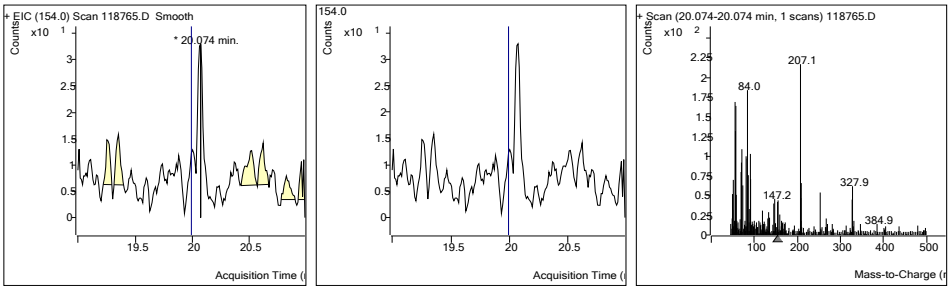
Target Compound *2-Methylnaphthalene*



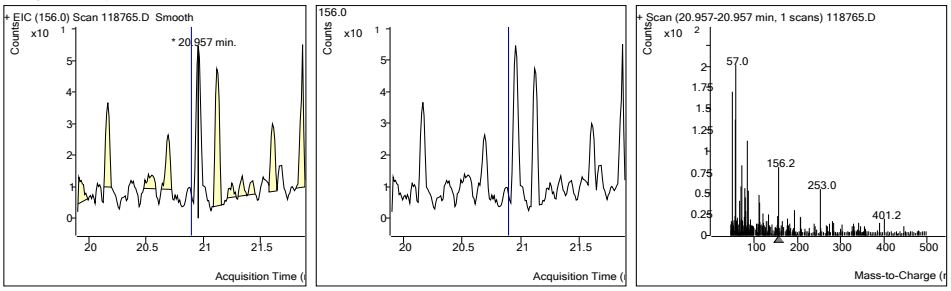
Target Compound *1-Methylnaphthalene*



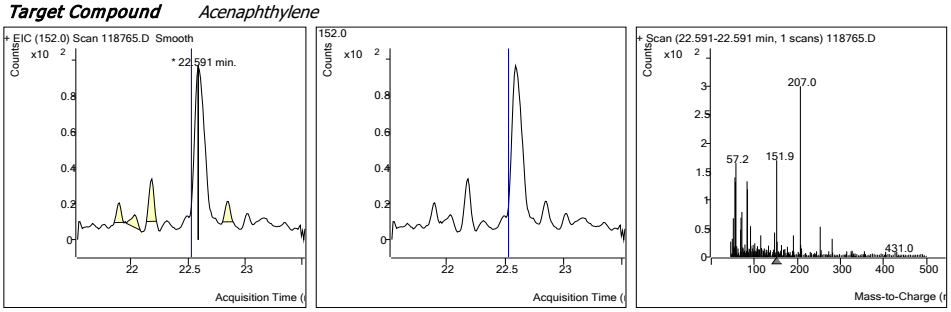
Target Compound *Biphenyl*



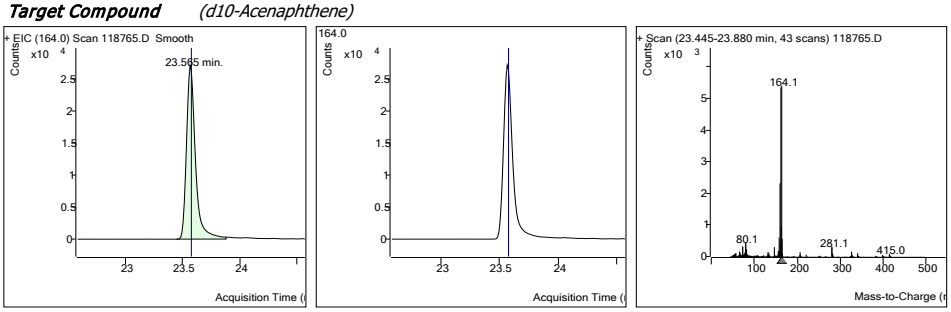
Target Compound *2,6-Dimethylnaphthalene*



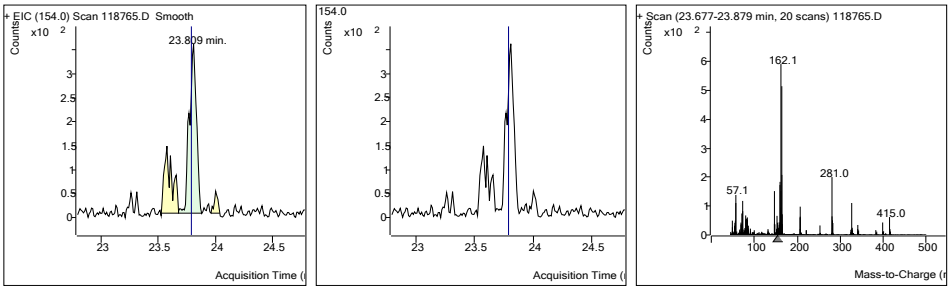
Target Compound *Acenaphthylene*



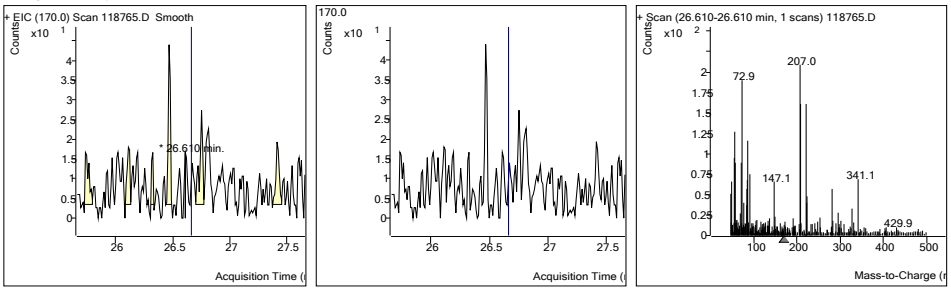
Target Compound *(d10-Acenaphthene)*



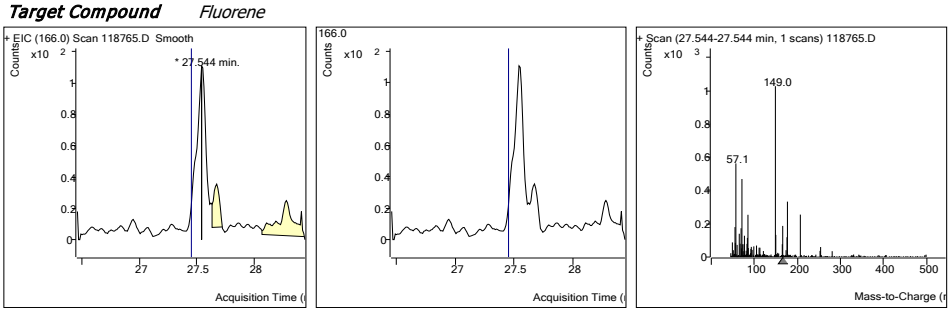
Target Compound *Acenaphthene*



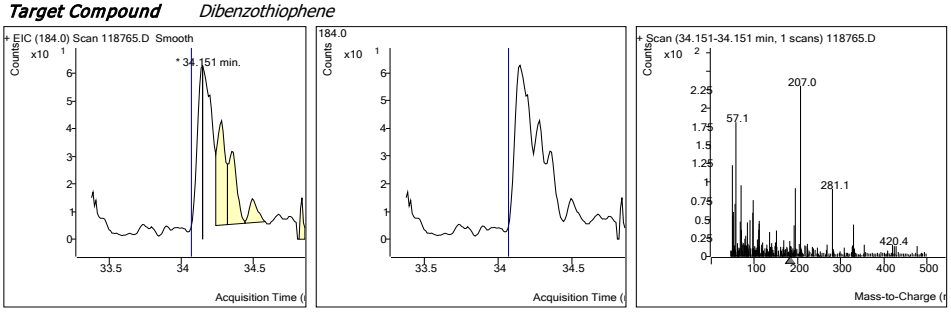
Target Compound *2,3,5-Trimethylnaphthalene*



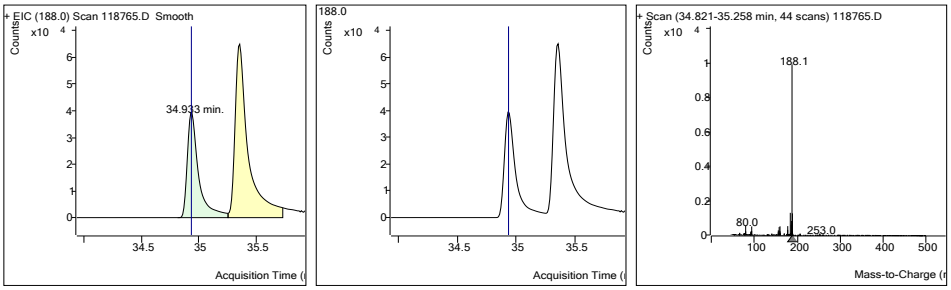
Target Compound *Fluorene*



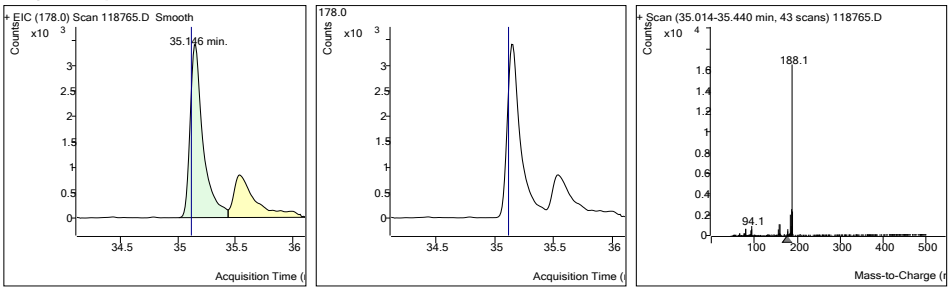
Target Compound *Dibenzothiophene*



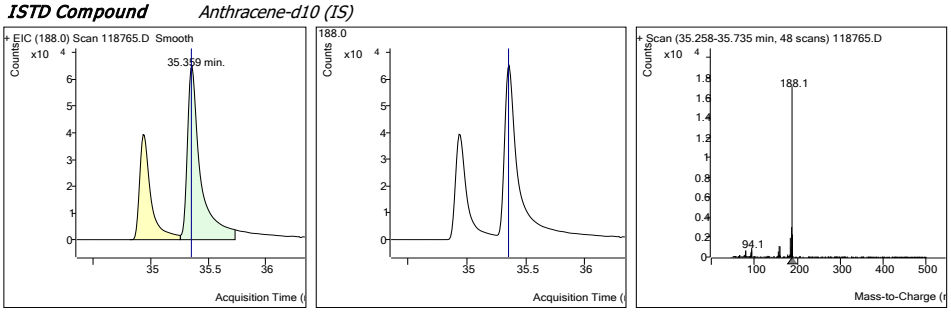
Target Compound *(d10-Phenanthrene)*



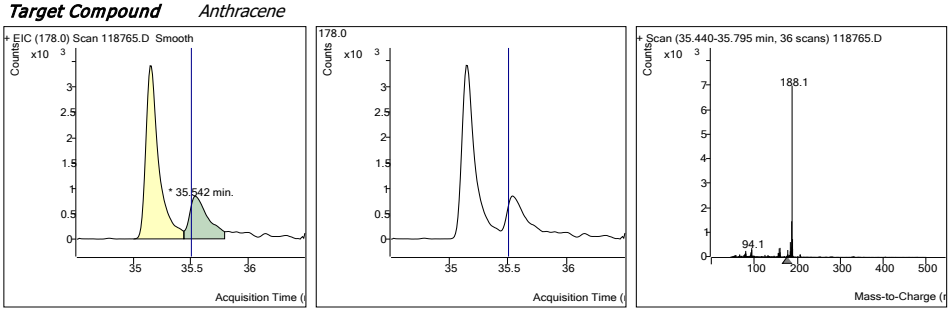
Target Compound *Phenanthrene*



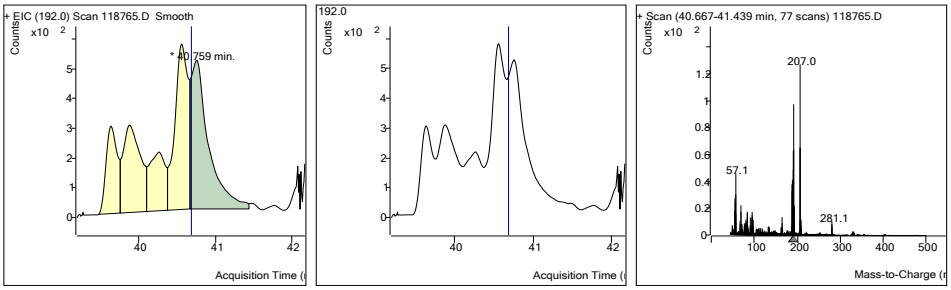
ISTD Compound *Anthracene-d10 (IS)*



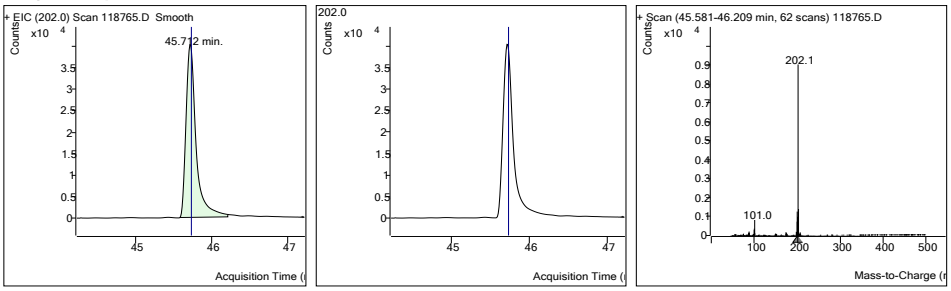
Target Compound *Anthracene*



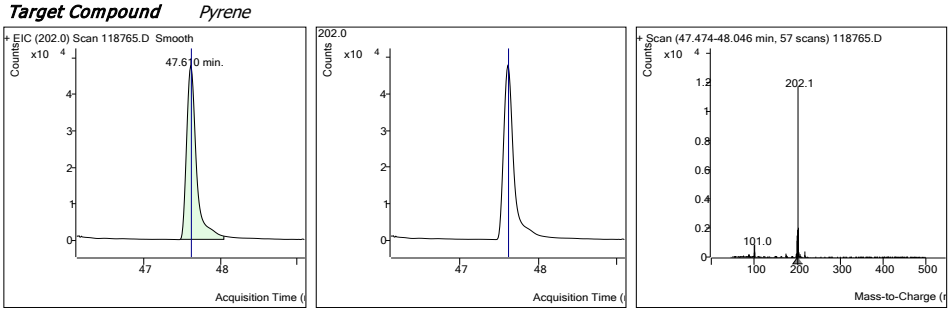
Target Compound *1-Methylphenanthrene*



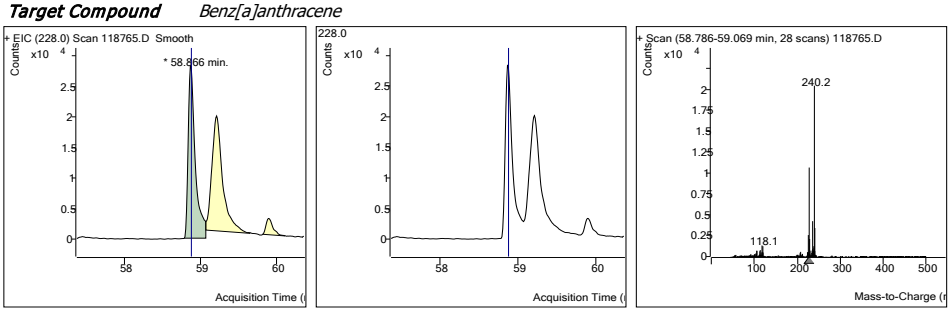
Target Compound *Fluoranthene*



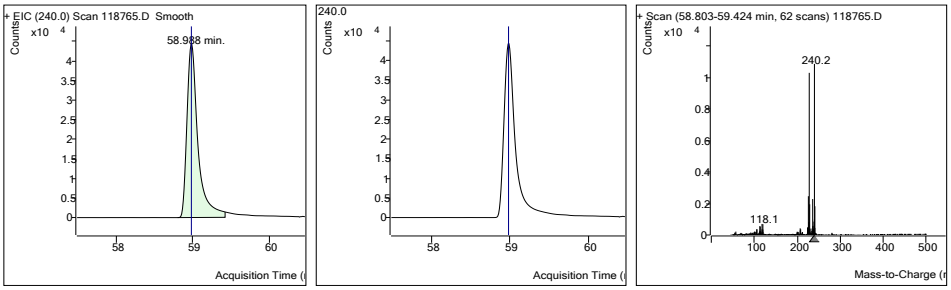
Target Compound *Pyrene*



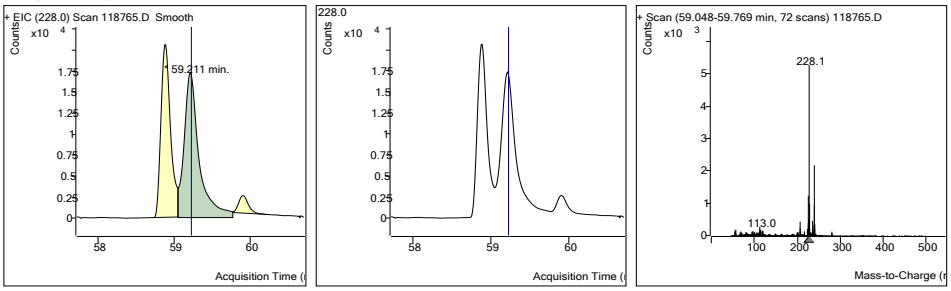
Target Compound *Benz[a]anthracene*



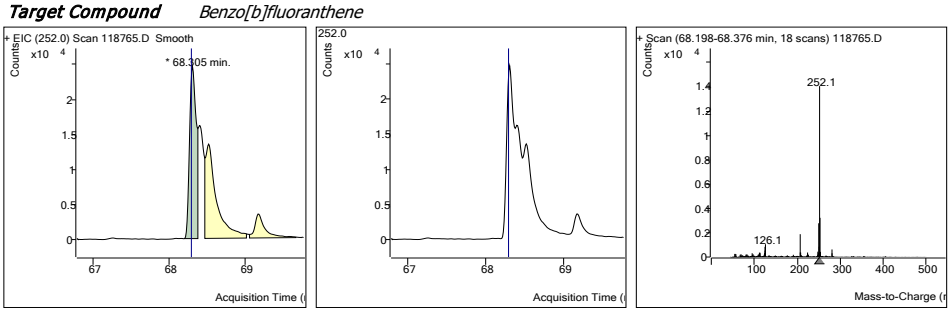
Target Compound *(d12-Chrysene)*



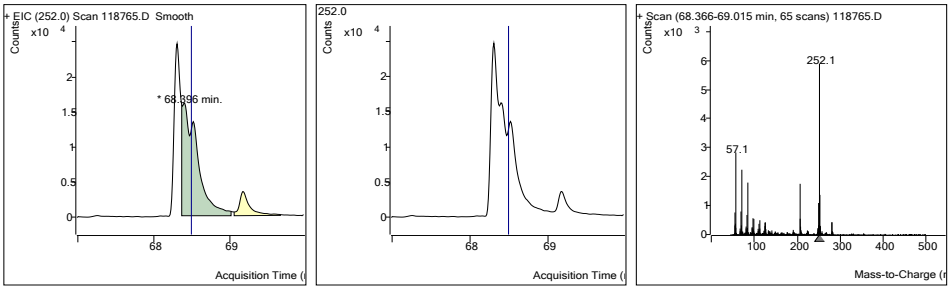
Target Compound *Chrysene*



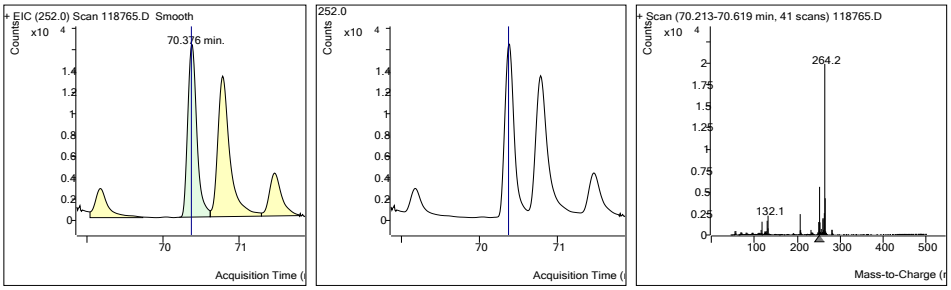
Target Compound *Benzo[b]fluoranthene*



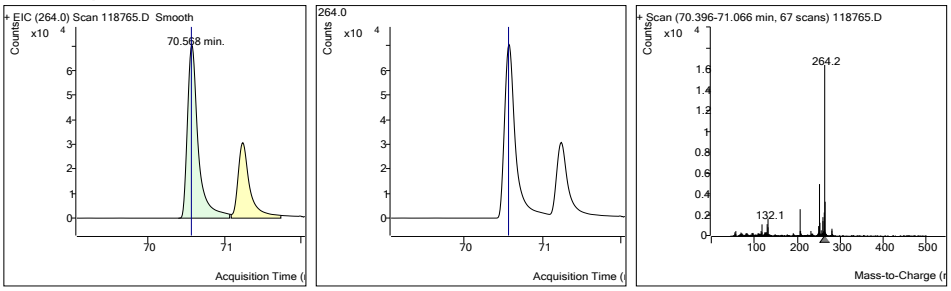
Target Compound *Benzo[k]fluoranthene*



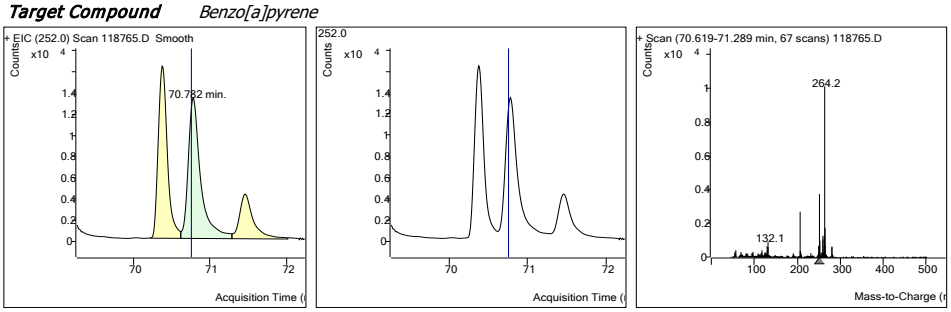
Target Compound *Benzo[e]pyrene*



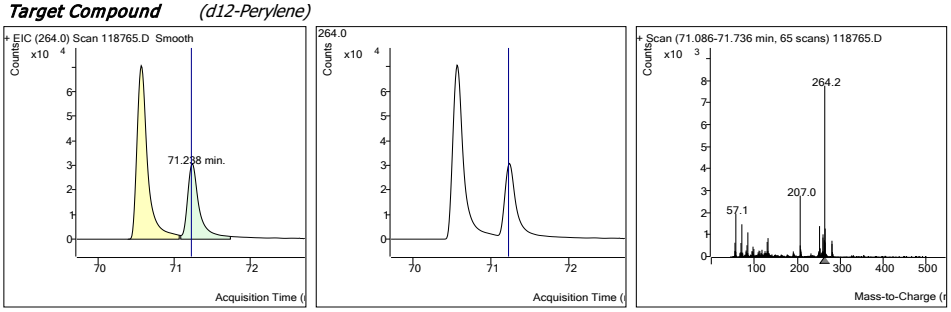
ISTD Compound *Benzo[a]pyrene-d12*



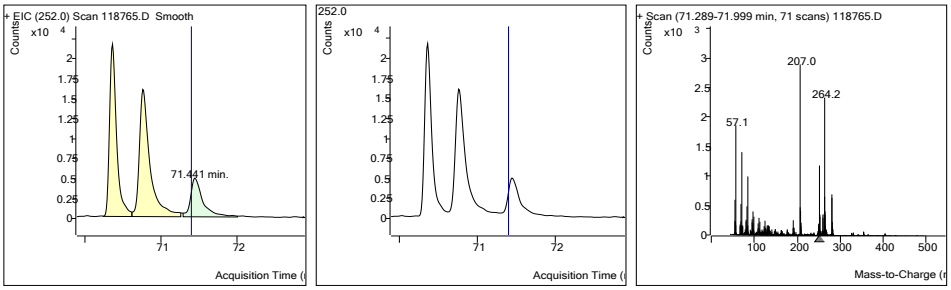
Target Compound *Benzo[a]pyrene*



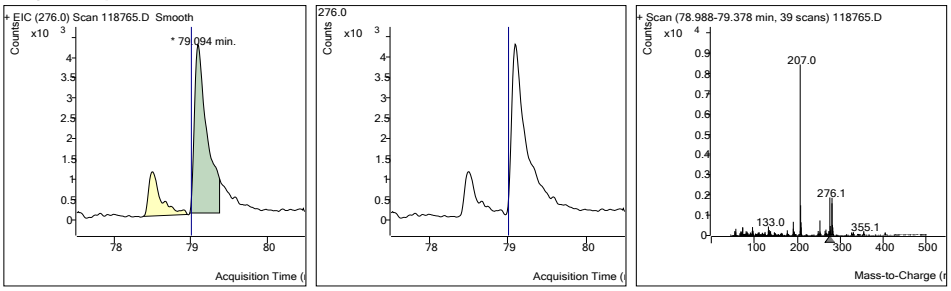
Target Compound *(d12-Perylene)*



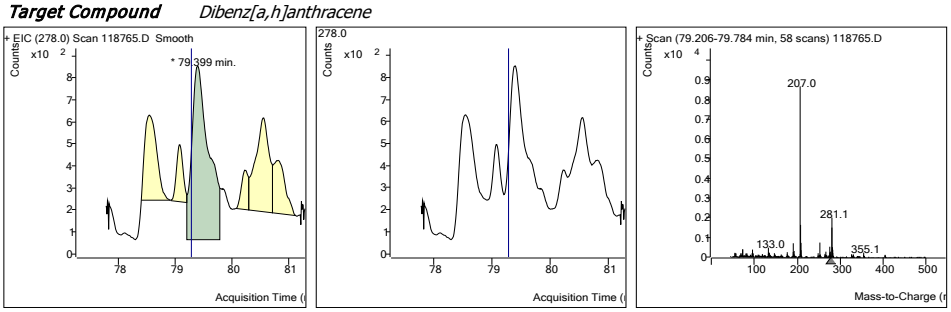
Target Compound *Perylene*



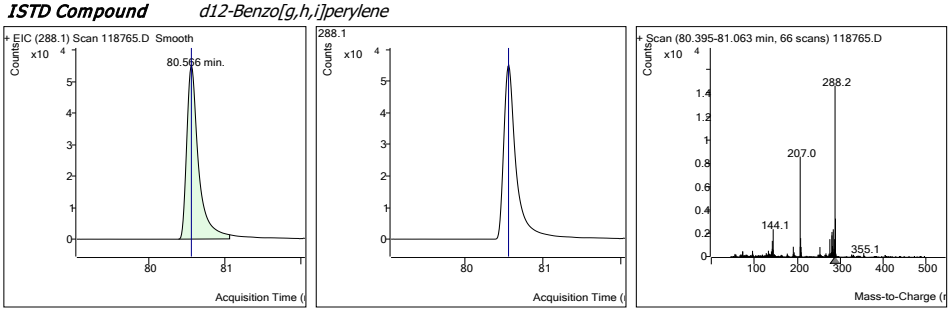
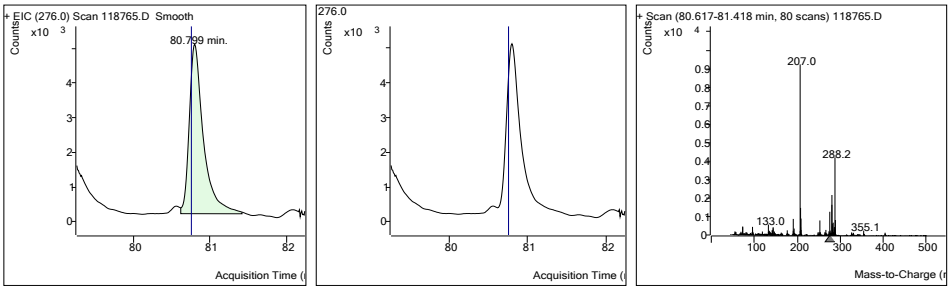
Target Compound *Indeno[1,2,3-cd]pyrene*



Target Compound *Dibenz[a,h]anthracene*



ISTD Compound *d12-Benzo[g,h,i]perylene*



Target Compound *Benzo[g,h,i]perylene*