

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
 Data File : BP021068.D
 Acq On : 19 Jul 2024 07:10
 Operator : MA/JU
 Sample : P3201-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CH8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 07:39:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	175169	20.000	ng/u1	0.00
20) Naphthalene-d8	10.452	136	706196	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.298	164	453132	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.128	188	995010	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	990911	20.000	ng/u1	-0.01
88) Perylene-d12	24.886	264	1228698	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	12055m	3.132	ng/uL	0.00
4) Pyridine-d5	3.670	84	14110	1.266	ng/u1	0.01
7) Phenol-d5	6.899	99	254797	17.842	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	146591	16.938	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	212403	18.052	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	180629	15.229	ng/u1	0.00
21) Nitrobenzene-d5	8.852	128	100123	18.254	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	118228	18.832	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.105	165	199264	17.553	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	201055m	13.369	ng/u1	0.00
46) Dimethylphthalate-d6	13.716	166	635147	19.282	ng/u1	0.00
49) Acenaphthylene-d8	13.993	160	719012	19.439	ng/u1	0.00
54) 4-Nitrophenol-d4	14.604	143	92423m	19.720	ng/u1	0.00
60) Fluorene-d10	15.322	176	560790	20.752	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.487	200	68716	11.414	ng/u1	0.00
73) Anthracene-d10	17.222	188	897857	20.317	ng/u1	0.00
81) Pyrene-d10	19.610	212	1038213	16.947	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.663	264	879938	14.521	ng/u1	-0.02
Target Compounds						
					Qvalue	
72) Phenanthrene	17.169	178	182960	3.545	ng/u1	99
74) Anthracene	17.257	178	58067	1.103	ng/u1	98
80) Fluoranthene	19.257	202	593775	8.026	ng/u1	98
82) Pyrene	19.639	202	445860	5.922	ng/u1	97
85) Benzo(a)anthracene	21.545	228	351397	5.062	ng/u1	96
87) Chrysene	21.616	228	343390m	5.324	ng/u1	
90) Benzo(b)fluoranthene	23.839	252	478005	6.411	ng/u1#	96
91) Benzo(k)fluoranthene	23.904	252	158296m	2.127	ng/u1	
93) Benzo(a)pyrene	24.733	252	195777m	2.779	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.657	276	174483	1.922	ng/u1	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

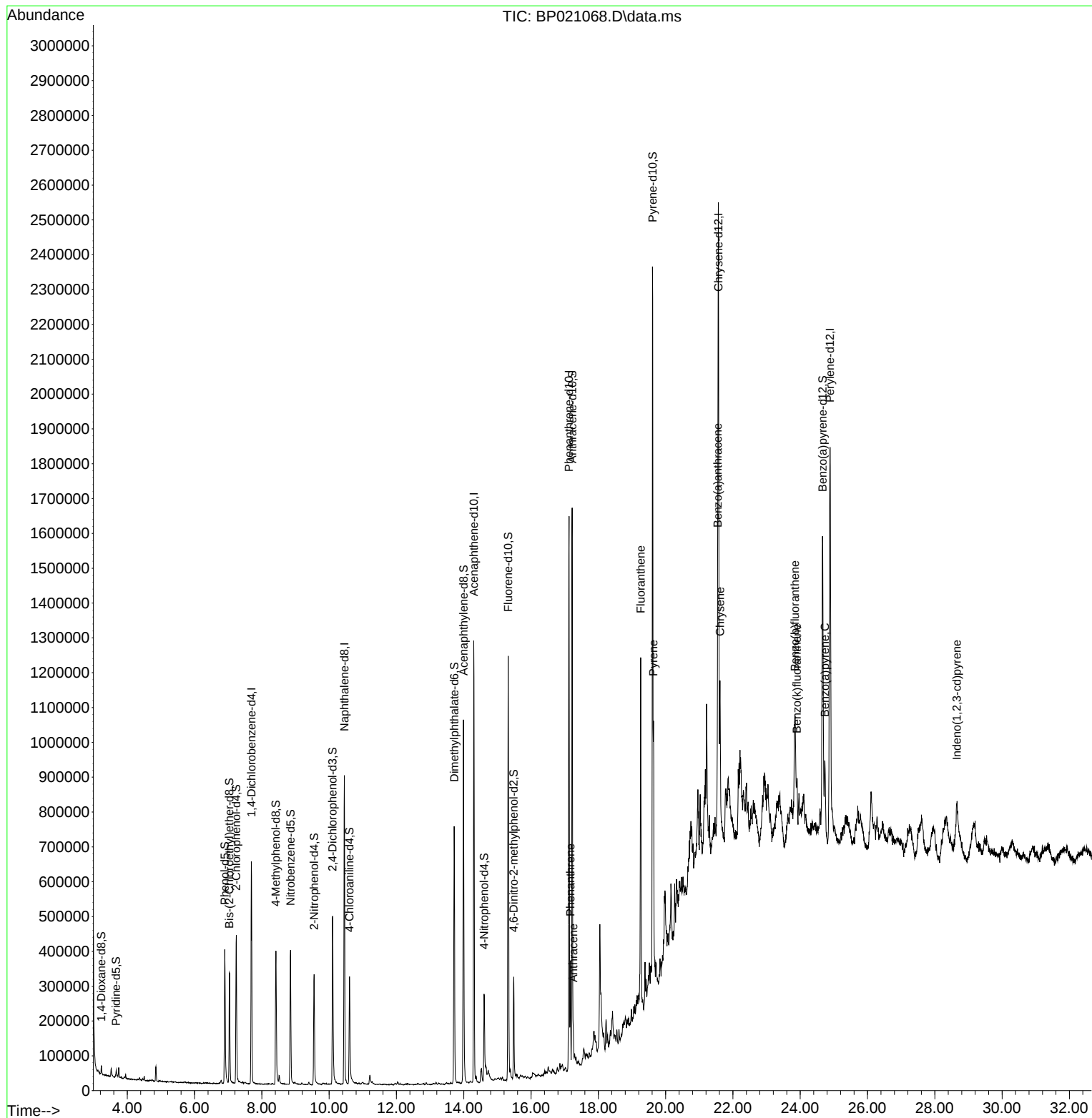
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
 Data File : BP021068.D
 Acq On : 19 Jul 2024 07:10
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 ALS Vial : 27 Sample Multiplier: 1

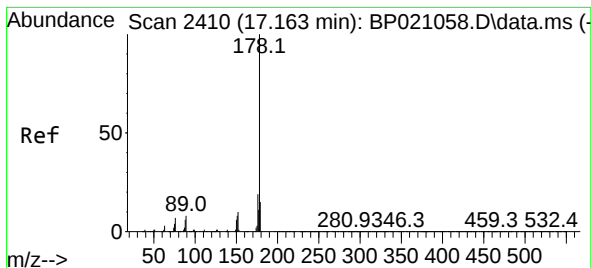
Instrument :
 BNA_P
 ClientSampleId :
 A4CH8

Quant Time: Jul 19 07:39:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
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#72

Phenanthrene

Concen: 3.545 ng/ul

RT: 17.169 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Instrument :

BNA_P

ClientSampleId :

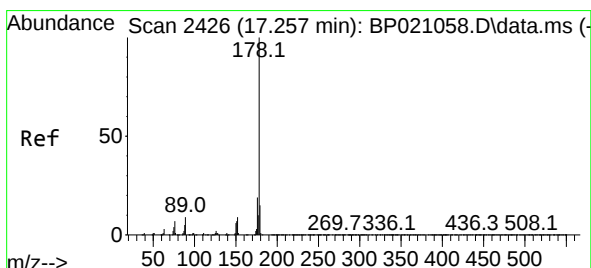
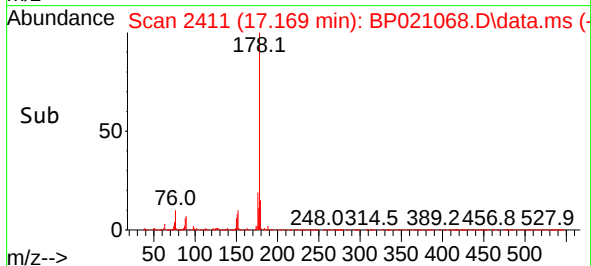
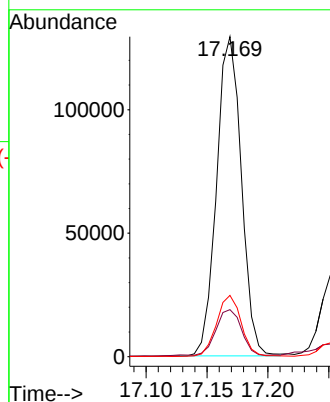
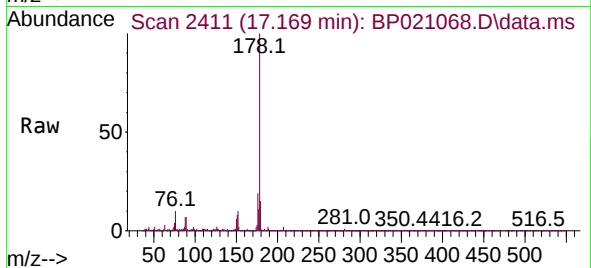
A4CH8

Tgt Ion:178	Resp: 182960
Ion Ratio	Lower Upper
178 100	
179 14.7	12.2 18.4
176 19.2	15.0 22.4

Manual Integrations

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#74

Anthracene

Concen: 1.103 ng/ul

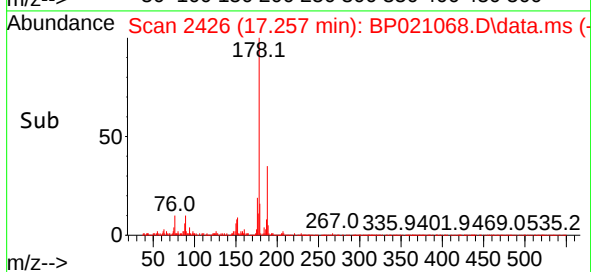
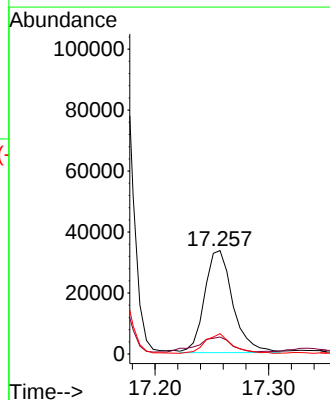
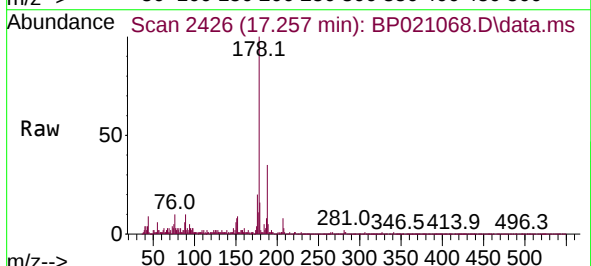
RT: 17.257 min Scan# 2426

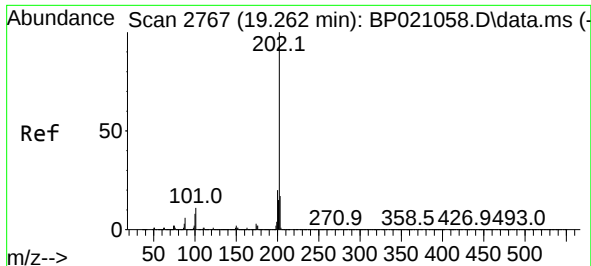
Delta R.T. -0.006 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

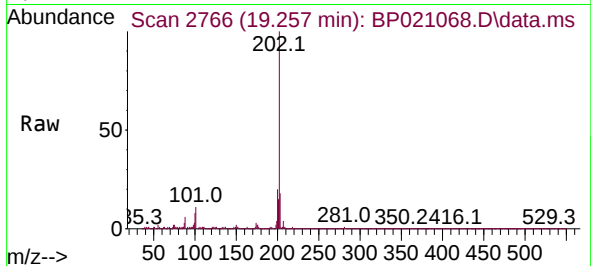
Tgt Ion:178	Resp: 58067
Ion Ratio	Lower Upper
178 100	
179 16.4	12.5 18.7
176 19.7	14.8 22.2





#80
Fluoranthene
Concen: 8.026 ng/u1
RT: 19.257 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BP021068.D
Acq: 19 Jul 2024 07:10

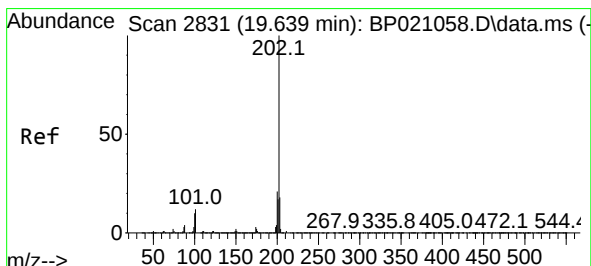
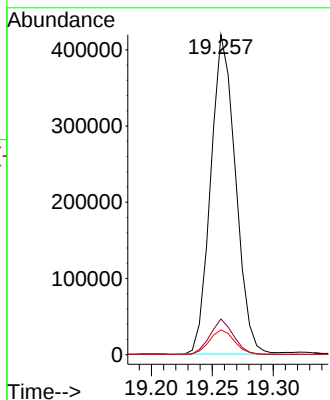
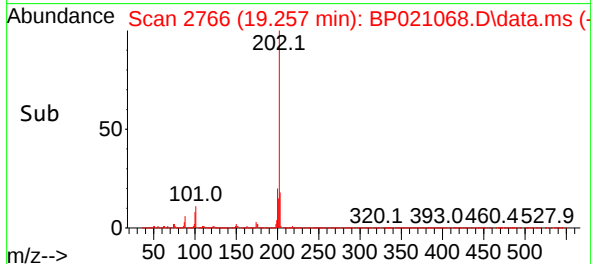
Instrument :
BNA_P
ClientSampleId :
A4CH8



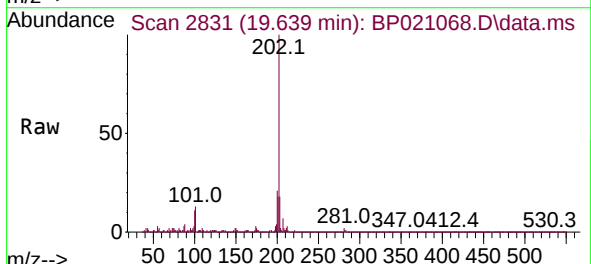
Tgt Ion:202 Resp: 593775
Ion Ratio Lower Upper
202 100
101 11.1 8.0 12.0
100 7.8 6.1 9.1

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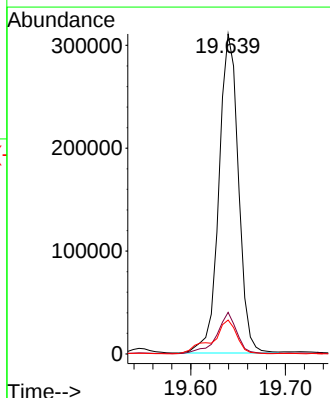
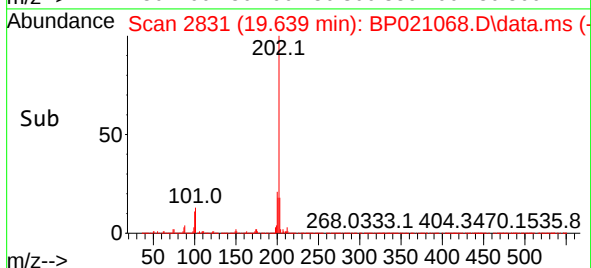
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024

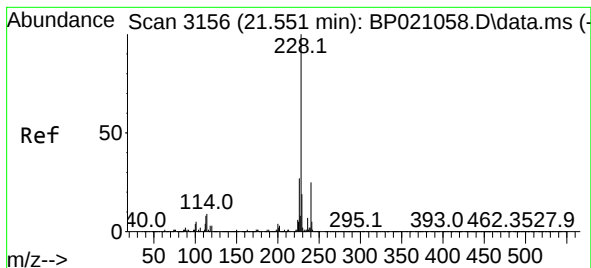


#82
Pyrene
Concen: 5.922 ng/u1
RT: 19.639 min Scan# 2831
Delta R.T. -0.006 min
Lab File: BP021068.D
Acq: 19 Jul 2024 07:10



Tgt Ion:202 Resp: 445860
Ion Ratio Lower Upper
202 100
101 13.0 9.4 14.2
100 10.6 7.8 11.6





#85

Benzo(a)anthracene

Concen: 5.062 ng/ul

RT: 21.545 min Scan# 3155

Delta R.T. -0.017 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Instrument :

BNA_P

ClientSampleId :

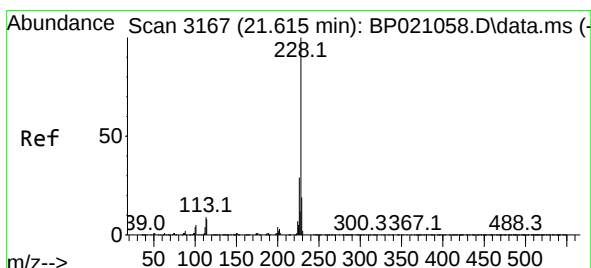
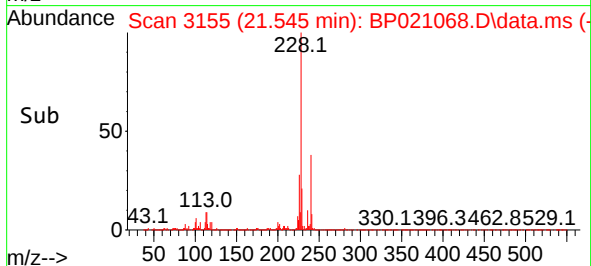
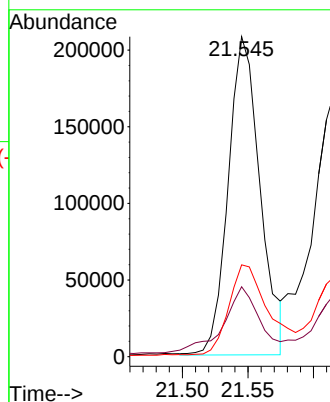
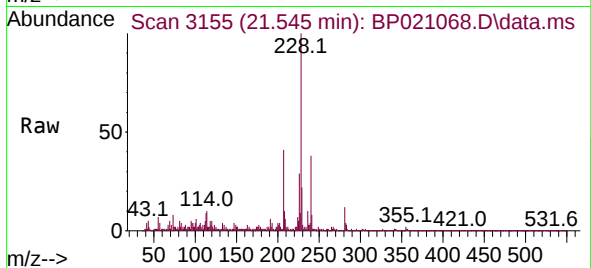
A4CH8

Tgt Ion:228 Resp: 351397
Ion Ratio Lower Upper
228 100
229 21.9 15.5 23.3
226 28.7 21.4 32.2

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#87

Chrysene

Concen: 5.324 ng/ul m

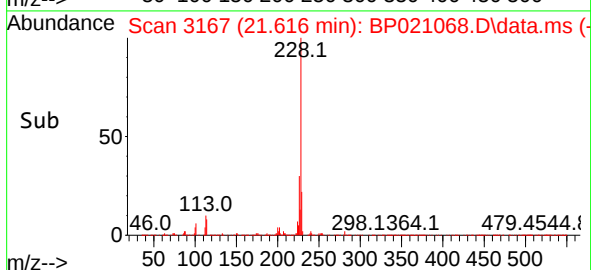
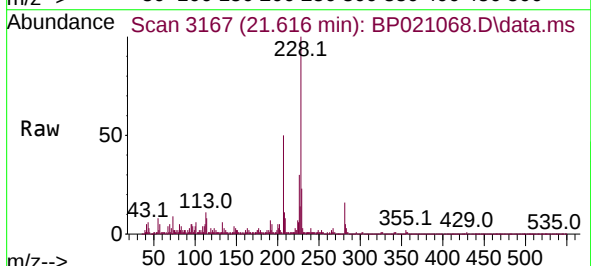
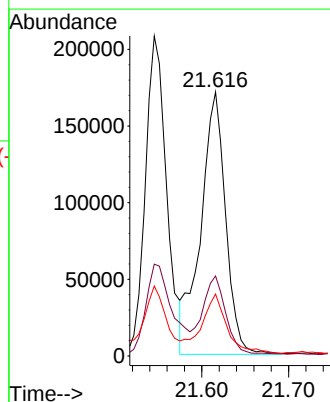
RT: 21.616 min Scan# 3167

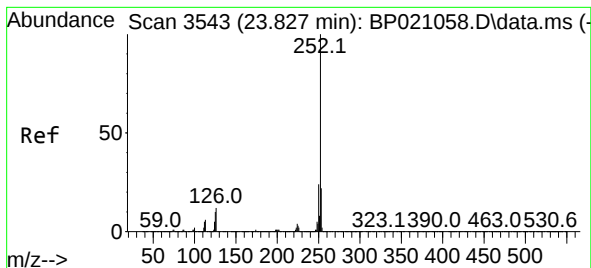
Delta R.T. -0.012 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Tgt Ion:228 Resp: 343390
Ion Ratio Lower Upper
228 100
226 30.3 23.6 35.4
229 23.4 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 6.411 ng/ul

RT: 23.839 min Scan# 3543

Delta R.T. -0.012 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Instrument :

BNA_P

ClientSampleId :

A4CH8

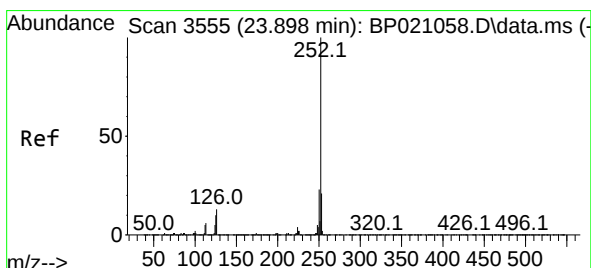
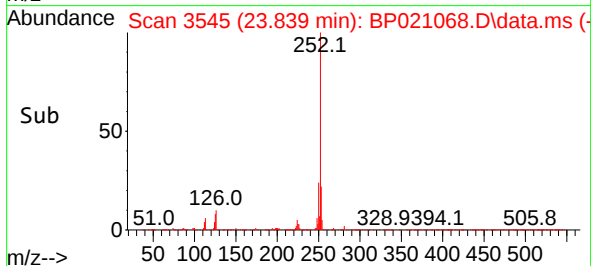
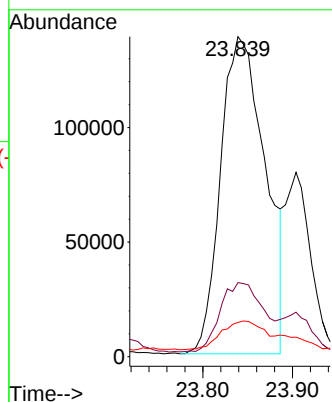
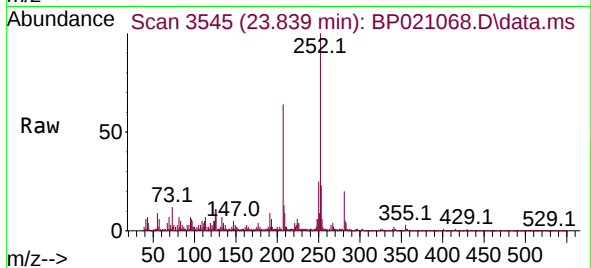
Tgt Ion:252 Resp: 47800

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.7	7.0	10.4

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#91

Benzo(k)fluoranthene

Concen: 2.127 ng/ul m

RT: 23.904 min Scan# 3556

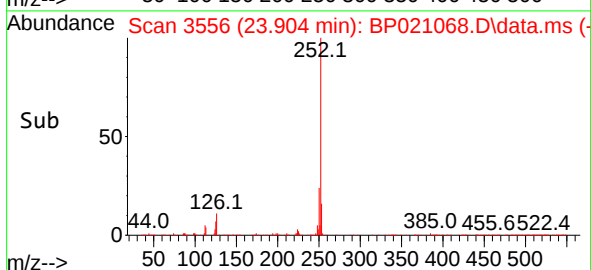
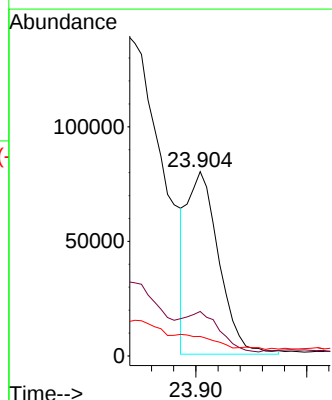
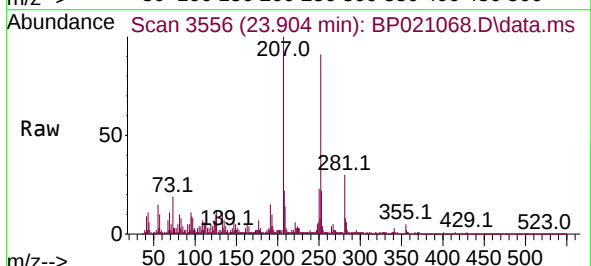
Delta R.T. -0.017 min

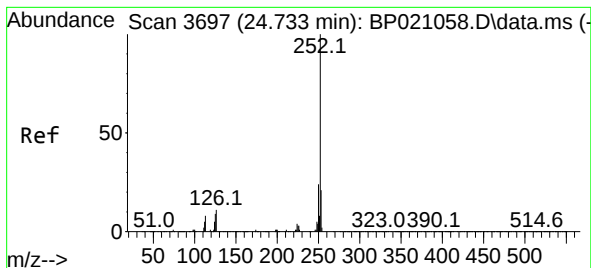
Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Tgt Ion:252 Resp: 158296

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	10.6	7.4	11.0





#93

Benzo(a)pyrene

Concen: 2.779 ng/ul m

RT: 24.733 min Scan# 3

Delta R.T. -0.029 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Instrument :

BNA_P

ClientSampleId :

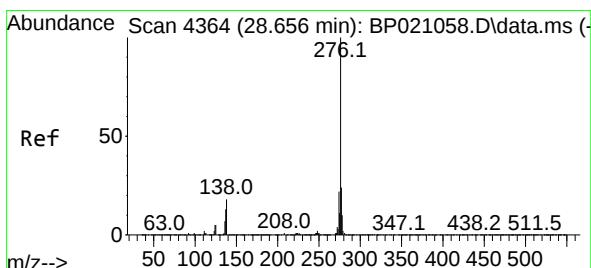
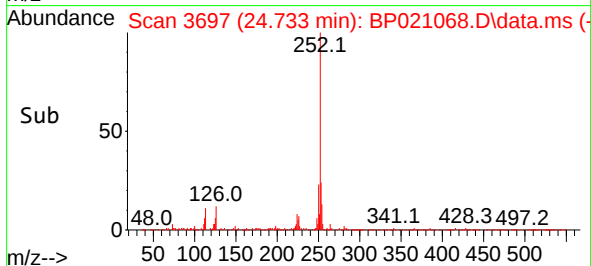
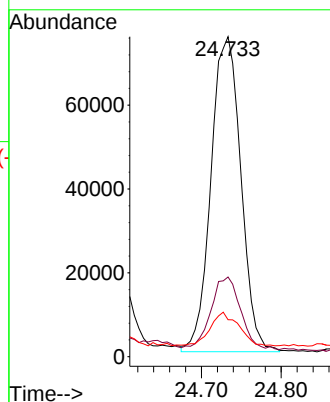
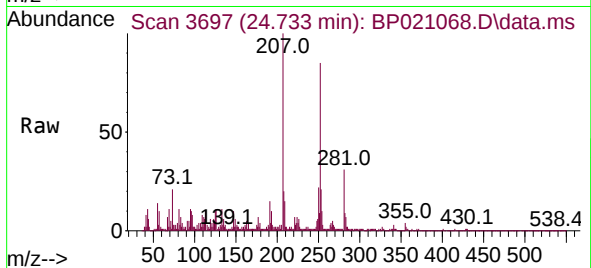
A4CH8

Tgt Ion:	252	Resp:	19577
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.0
125	11.6	7.7	11.5

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.922 ng/ul

RT: 28.657 min Scan# 4364

Delta R.T. -0.047 min

Lab File: BP021068.D

Acq: 19 Jul 2024 07:10

Tgt Ion:	276	Resp:	174483
Ion Ratio	Lower	Upper	
276	100		
138	20.0	14.3	21.5
277	24.5	19.2	28.8

