

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014117.D
 Acq On : 17 Mar 2023 12:46
 Operator : CG/JU
 Sample : 01919-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-03142023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/20/2023
 Supervised By : Jagrut Upadhyay 03/20/2023

Quant Time: Mar 17 18:03:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	153144	20.000	ng	-0.01
21) Naphthalene-d8	10.887	136	630531	20.000	ng	#-0.01
39) Acenaphthene-d10	14.704	164	393702	20.000	ng	-0.01
64) Phenanthrene-d10	17.463	188	853434	20.000	ng	# 0.00
76) Chrysene-d12	21.545	240	832649	20.000	ng	0.00
86) Perylene-d12	24.086	264	970622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	831639	88.068	ng	0.00
7) Phenol-d6	7.222	99	1125934	90.815	ng	0.00
23) Nitrobenzene-d5	9.234	82	733674	53.182	ng	-0.02
42) 2,4,6-Tribromophenol	16.198	330	482032	75.515	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1441717	47.443	ng	-0.01
79) Terphenyl-d14	20.004	244	2154858	42.674	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.504	178	494364	10.369	ng	99
72) Anthracene	17.598	178	151698	3.114	ng	98
75) Fluoranthene	19.463	202	707165	12.409	ng	97
78) Pyrene	19.816	202	805610	12.606	ng	100
81) Benzo(a)anthracene	21.528	228	429004	7.022	ng	98
83) Chrysene	21.586	228	427887	7.396	ng	97
87) Indeno(1,2,3-cd)pyrene	26.751	276	238347	3.178	ng	99
88) Benzo(b)fluoranthene	23.304	252	492756	7.753	ng	# 90
89) Benzo(k)fluoranthene	23.357	252	201956m	3.205	ng	
90) Benzo(a)pyrene	23.969	252	390114	6.435	ng	# 94
92) Benzo(g,h,i)perylene	27.580	276	273557	4.427	ng	# 92

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

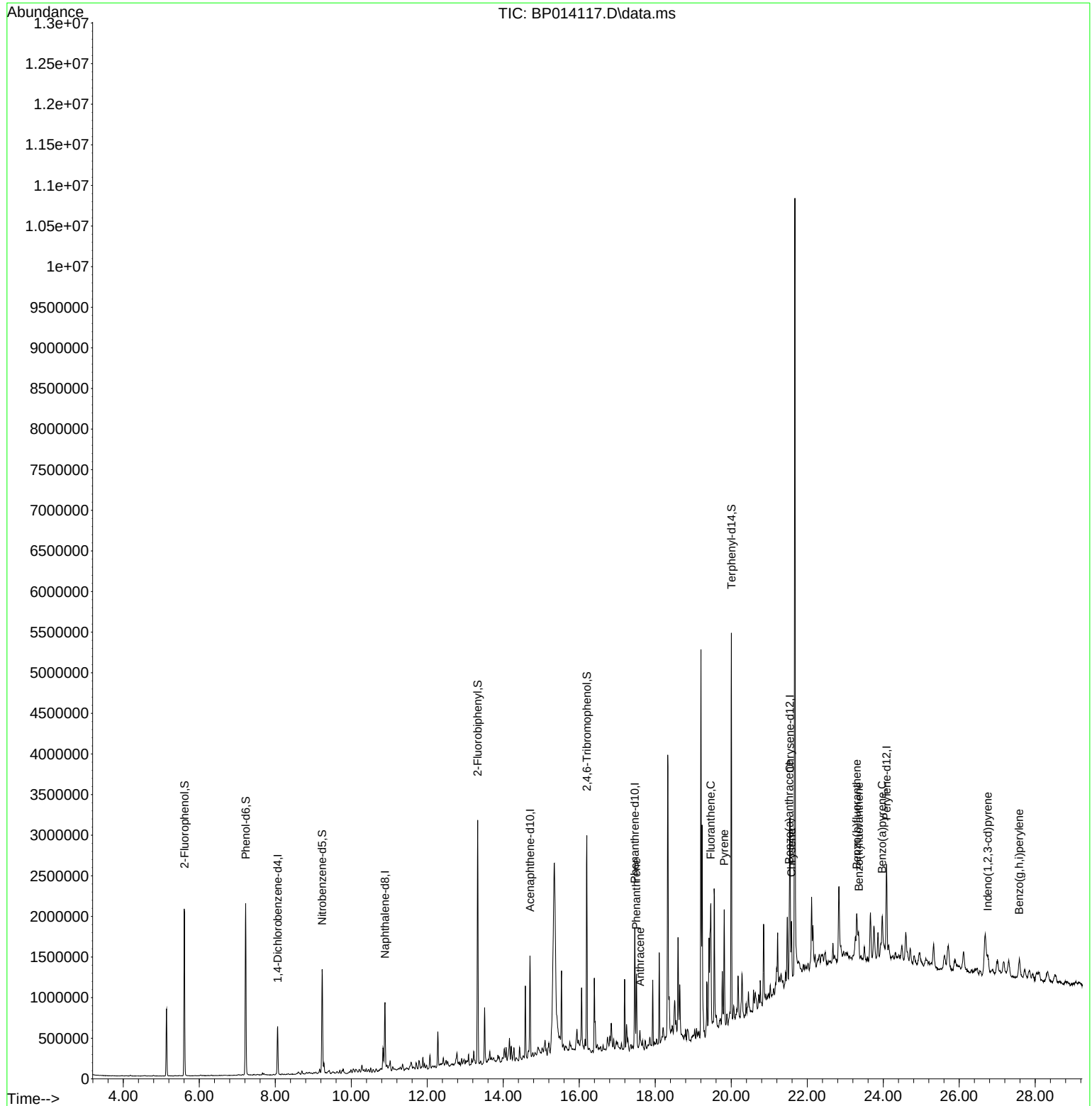
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014117.D
Acq On : 17 Mar 2023 12:46
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ALS Vial : 4 Sample Multiplier: 1

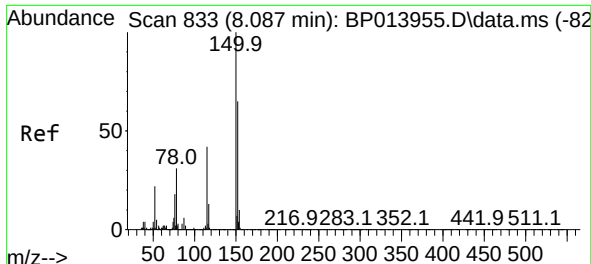
Instrument :
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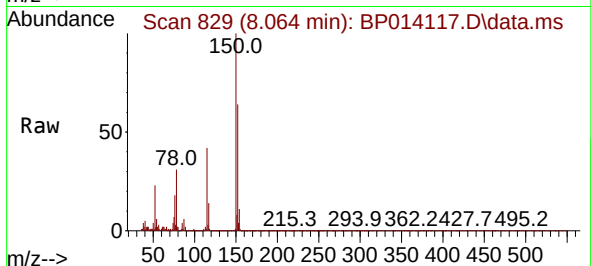
Quant Time: Mar 17 18:03:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 04:15:47 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.064 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

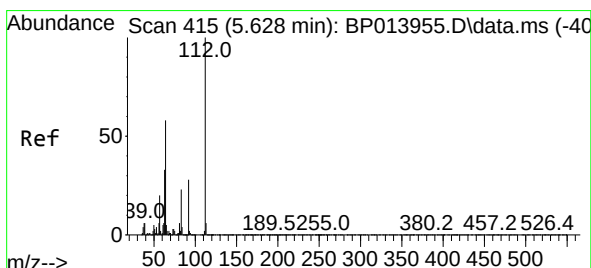
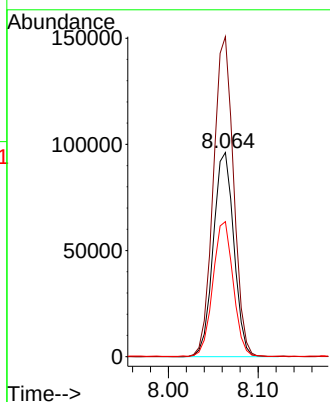
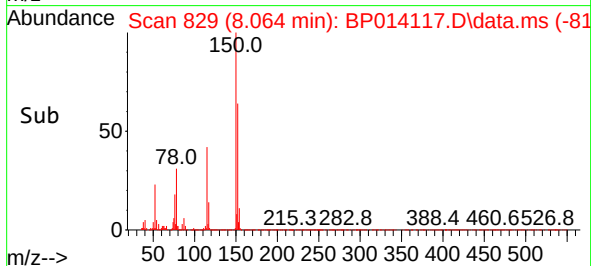
Instrument :
BNA_P
ClientSampleId :
SU-02-03142023



Tgt Ion:152 Resp: 153144
Ion Ratio Lower Upper
152 100
150 156.8 122.3 183.5
115 66.2 51.6 77.4

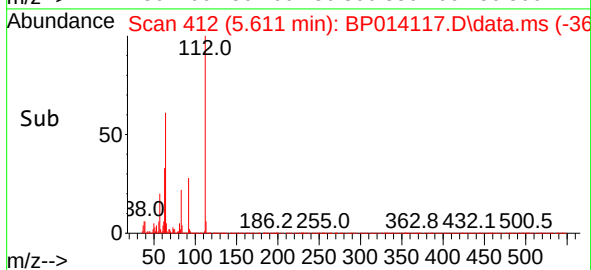
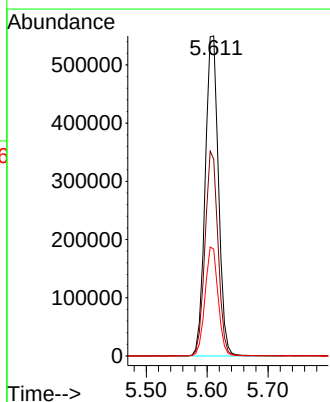
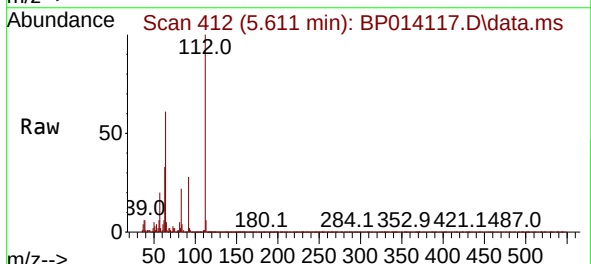
Manual Integrations
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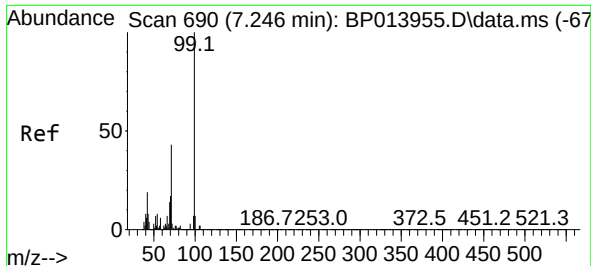
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#5
2-Fluorophenol
Concen: 88.068 ng
RT: 5.611 min Scan# 412
Delta R.T. -0.006 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

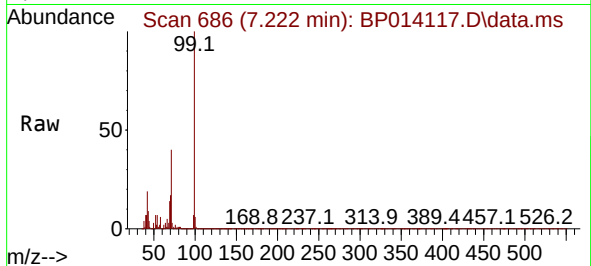
Tgt Ion:112 Resp: 831639
Ion Ratio Lower Upper
112 100
64 61.5 46.7 70.1
63 33.4 26.6 40.0





#7
Phenol-d6
Concen: 90.815 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

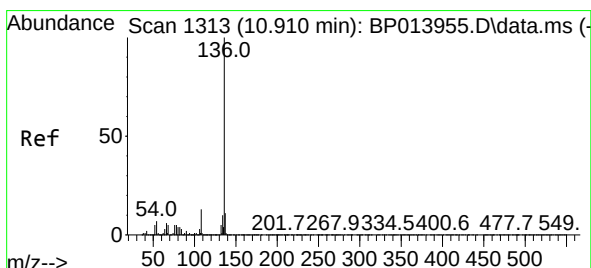
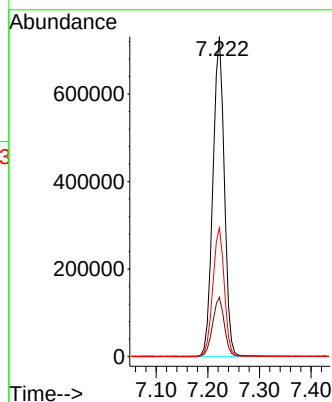
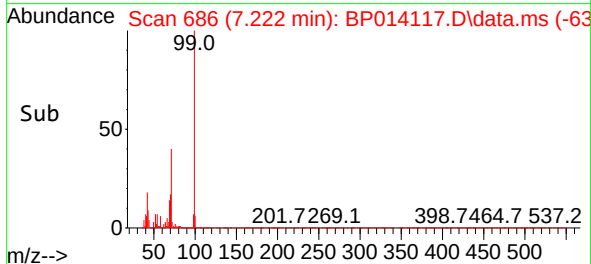
Instrument :
BNA_P
ClientSampleId :
SU-02-03142023



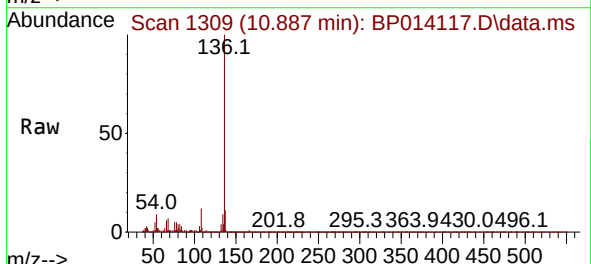
Tgt Ion: 99 Resp: 1125934
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.6
71 40.3 34.3 51.5

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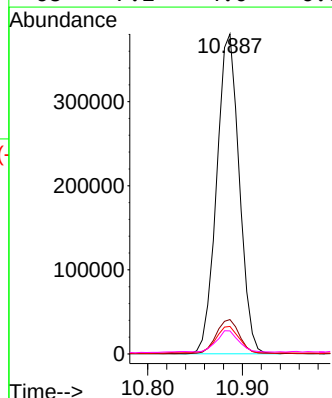
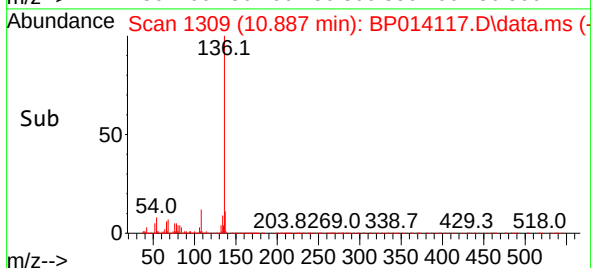
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

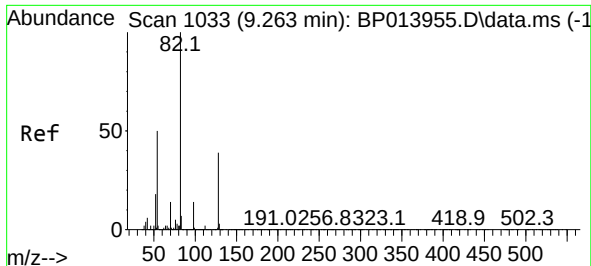


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46



Tgt Ion:136 Resp: 630531
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.6 5.8 8.8
68 7.2 4.0 6.0#





#23

Nitrobenzene-d5

Concen: 53.182 ng

RT: 9.234 min Scan# 1033

Delta R.T. -0.017 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

Tgt Ion: 82 Resp: 733674

Ion Ratio Lower Upper

82 100

128 37.9 31.1 46.7

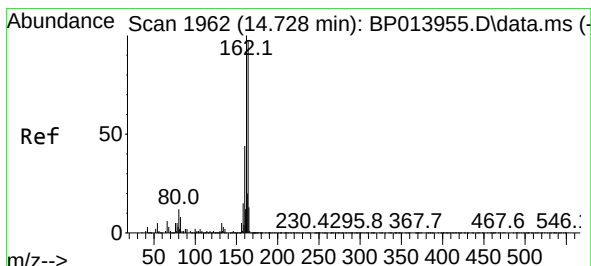
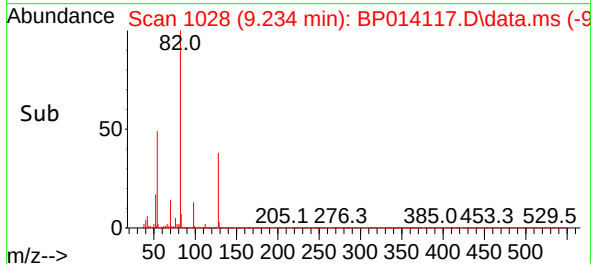
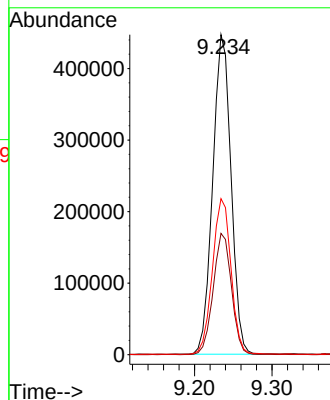
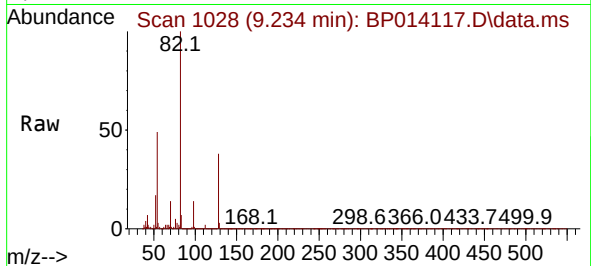
54 48.8 40.0 60.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

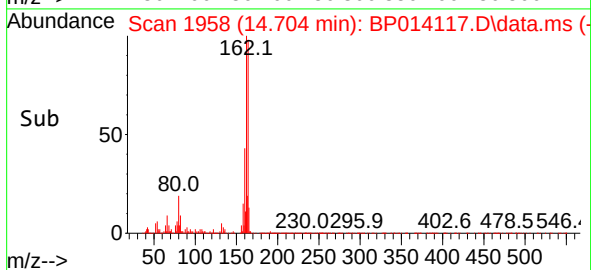
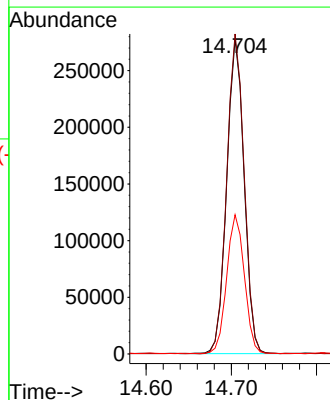
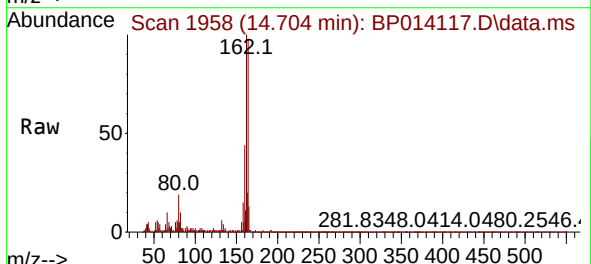
Tgt Ion:164 Resp: 393702

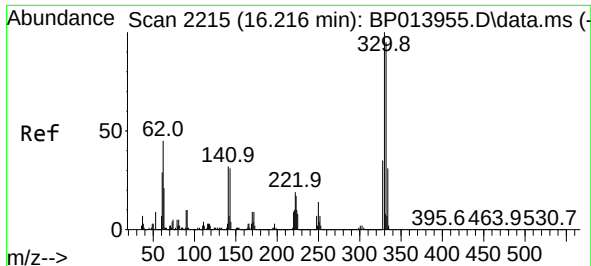
Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

160 44.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 75.515 ng

RT: 16.198 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

Tgt Ion:330 Resp: 48203

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

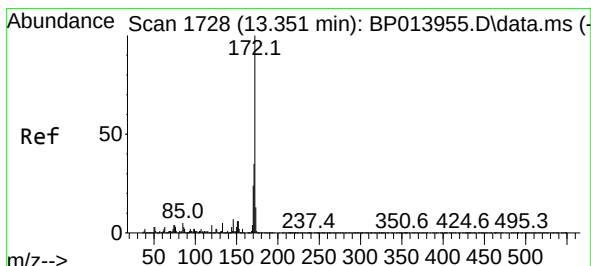
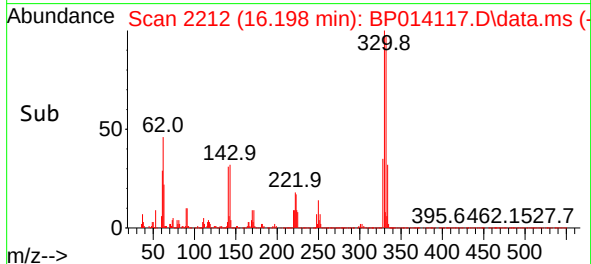
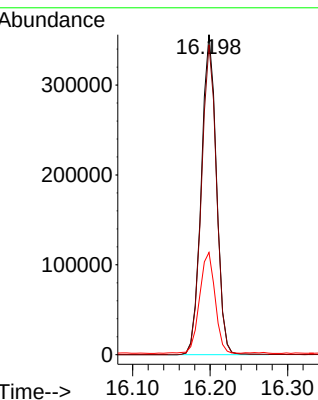
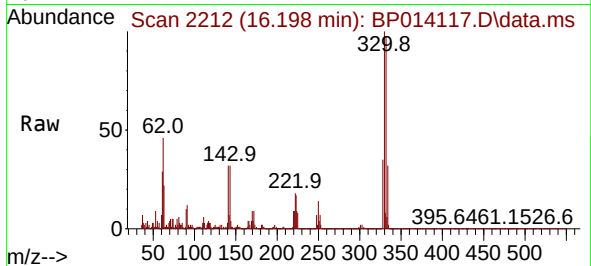
141 32.5 25.6 38.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/20/2023



#45

2-Fluorobiphenyl

Concen: 47.443 ng

RT: 13.328 min Scan# 1724

Delta R.T. -0.012 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

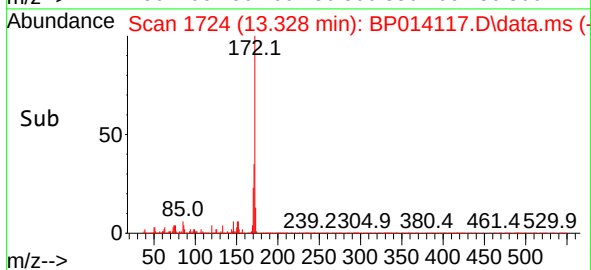
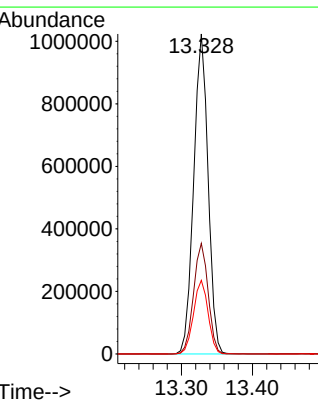
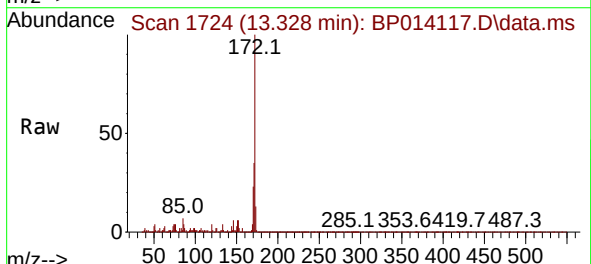
Tgt Ion:172 Resp: 1441717

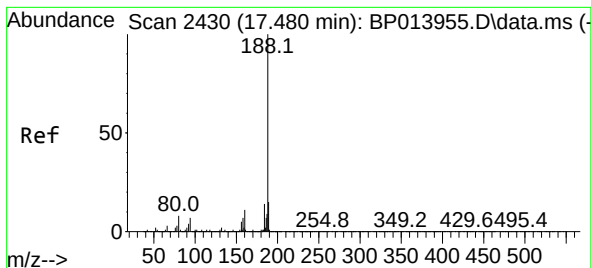
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

Tgt Ion:188 Resp: 853434

Ion Ratio Lower Upper

188 100

94 8.9 5.8 8.6

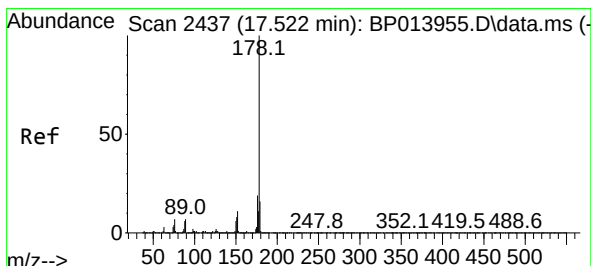
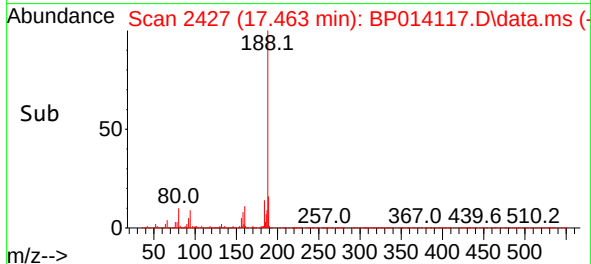
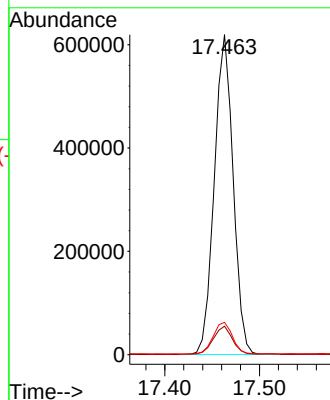
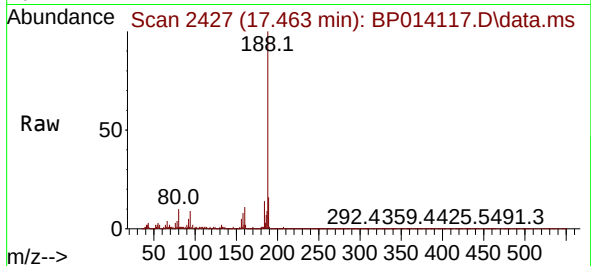
80 10.1 6.6 9.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#71

Phenanthrene

Concen: 10.369 ng

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

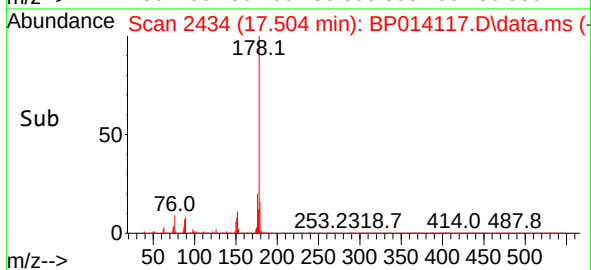
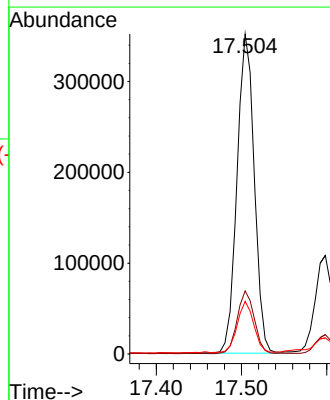
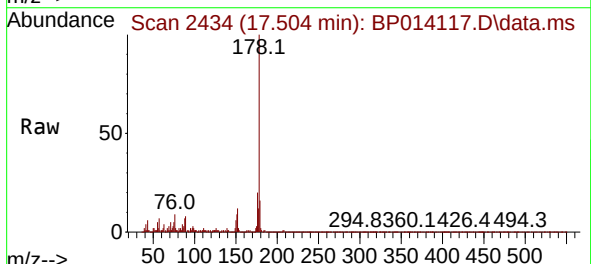
Tgt Ion:178 Resp: 494364

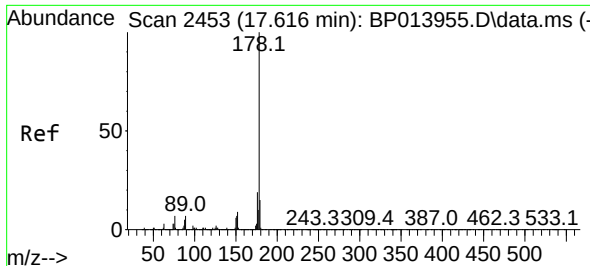
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

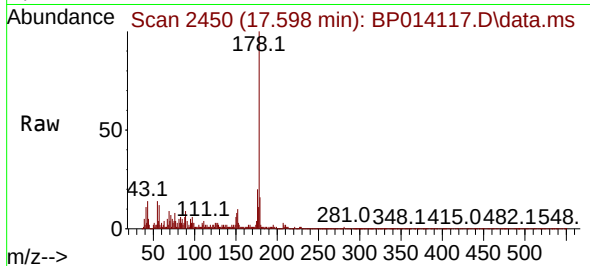
179 16.5 12.6 19.0





#72
 Anthracene
 Concen: 3.114 ng
 RT: 17.598 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BP014117.D
 Acq: 17 Mar 2023 12:46

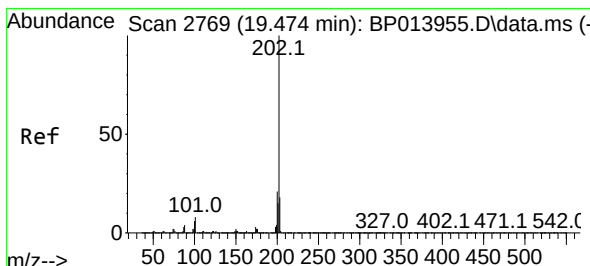
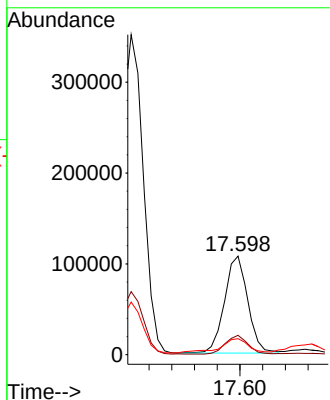
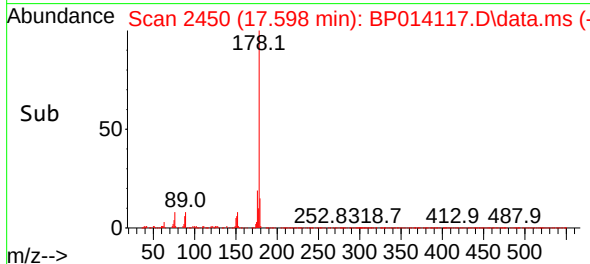
Instrument :
 BNA_P
 ClientSampleId :
 SU-02-03142023



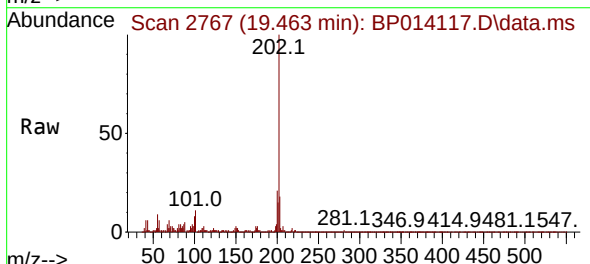
Tgt Ion:178 Resp: 151698
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.9 22.3
 179 16.2 12.1 18.1

Manual Integrations
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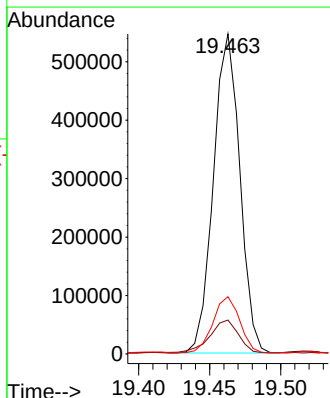
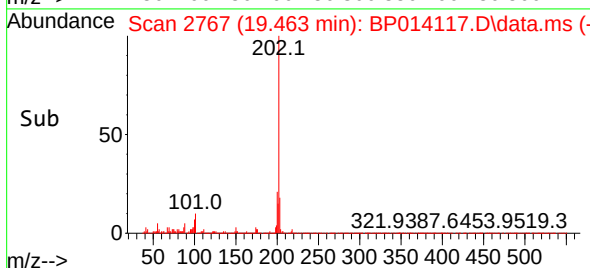
Reviewed By :Christian Giraldo 03/20/2023
 Supervised By :Jagrut Upadhyay 03/20/2023

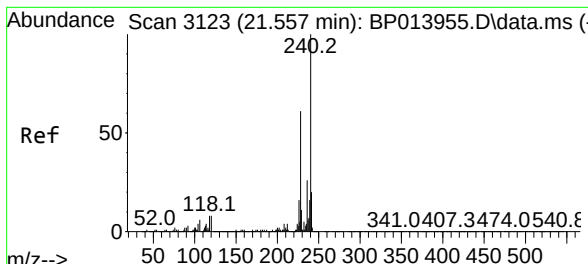


#75
 Fluoranthene
 Concen: 12.409 ng
 RT: 19.463 min Scan# 2767
 Delta R.T. 0.000 min
 Lab File: BP014117.D
 Acq: 17 Mar 2023 12:46



Tgt Ion:202 Resp: 707165
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 27.9
 203 17.9 0.0 37.7





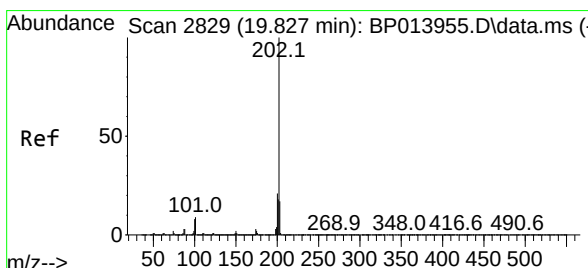
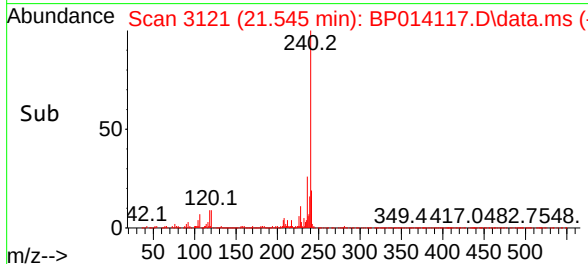
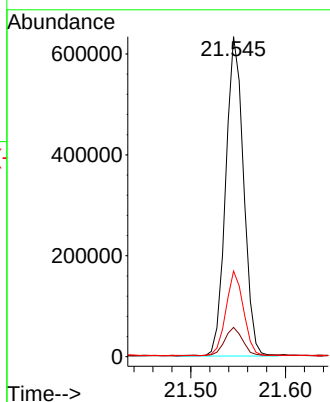
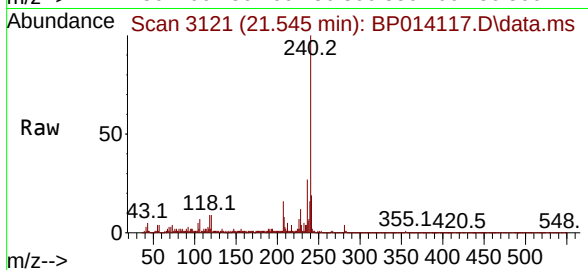
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

Instrument :
BNA_P
ClientSampleId :
SU-02-03142023

Tgt Ion:	240	Resp:	832649
Ion Ratio	Lower	Upper	
240	100		
120	9.2	6.4	9.6
236	26.7	21.2	31.8

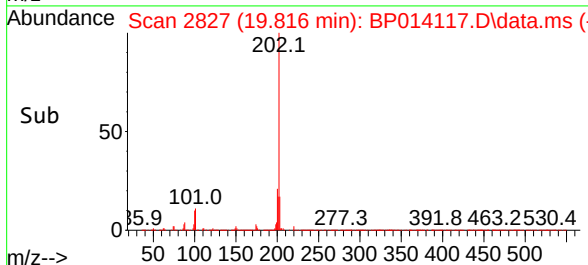
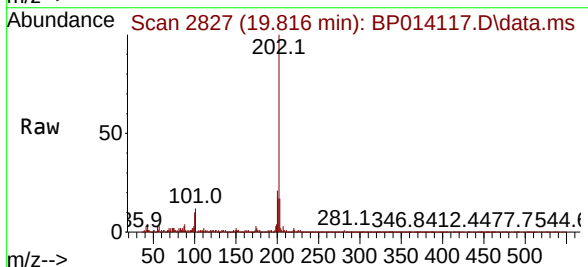
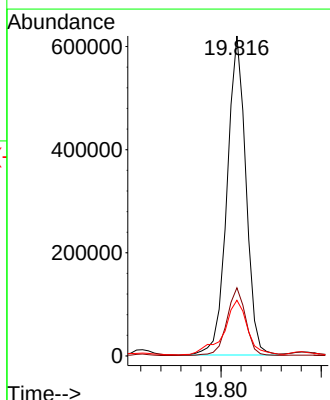
Manual Integrations
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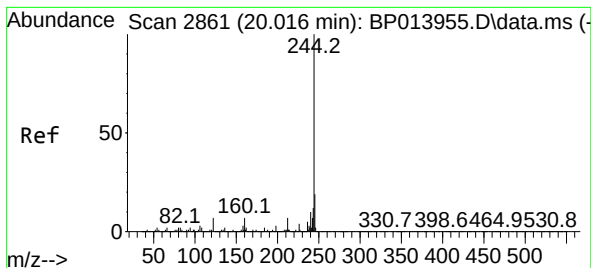
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#78
Pyrene
Concen: 12.606 ng
RT: 19.816 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

Tgt Ion:	202	Resp:	805610
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	17.4	13.9	20.9





#79

Terphenyl-d14

Concen: 42.674 ng

RT: 20.004 min Scan# 215485

Delta R.T. 0.000 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

Tgt Ion:244 Resp: 215485

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

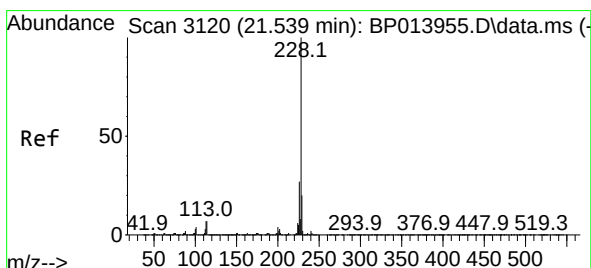
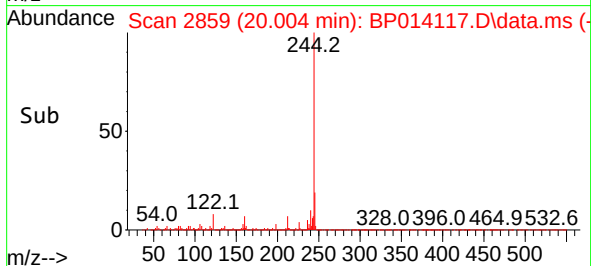
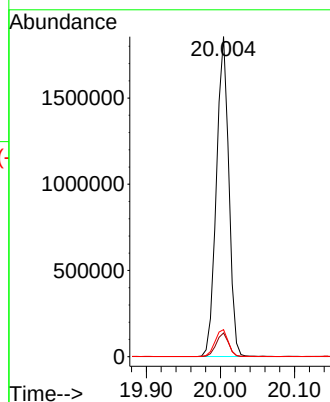
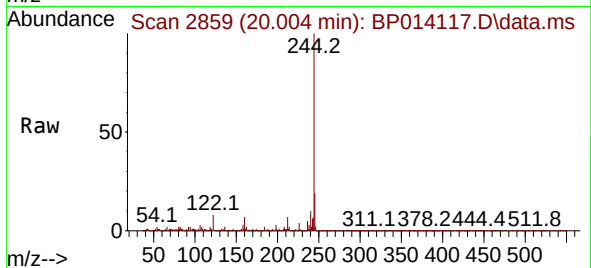
122 8.5 5.8 8.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#81

Benzo(a)anthracene

Concen: 7.022 ng

RT: 21.528 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

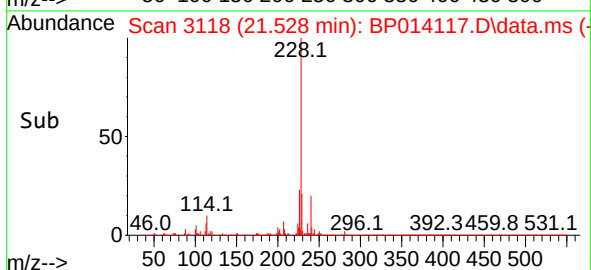
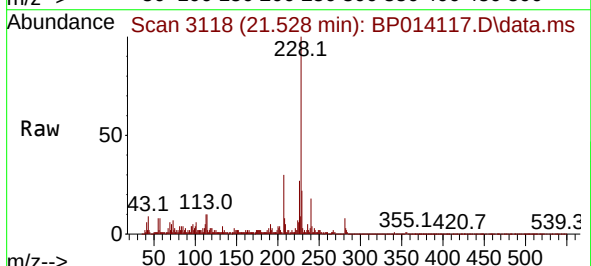
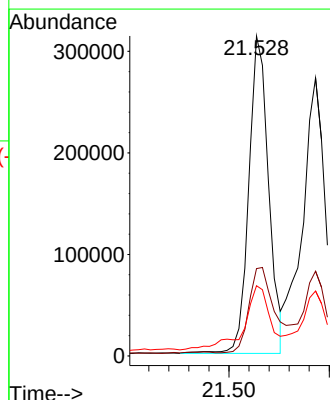
Tgt Ion:228 Resp: 429004

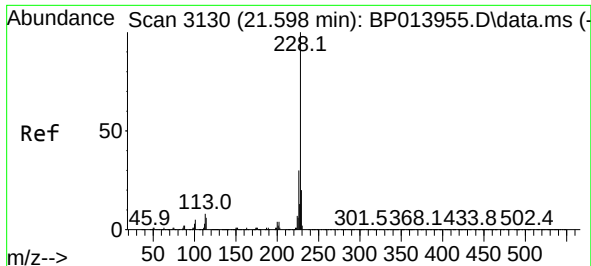
Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 22.0 15.8 23.6





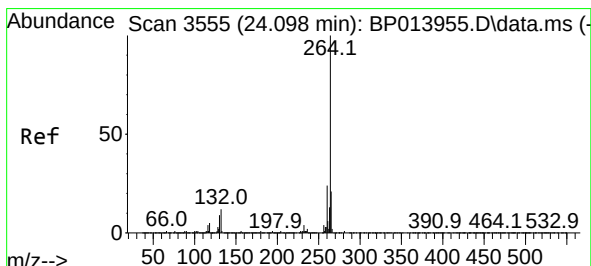
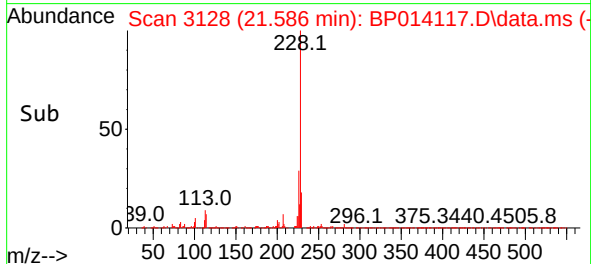
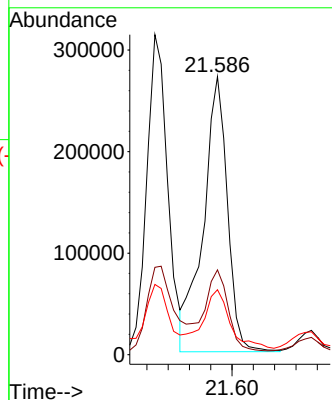
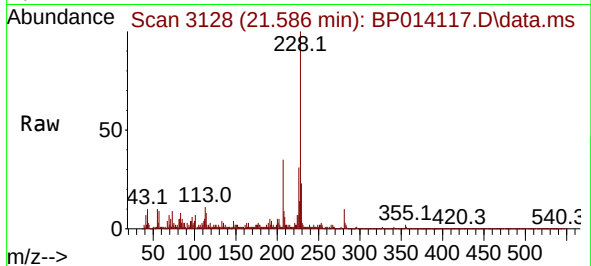
#83
Chrysene
Concen: 7.396 ng
RT: 21.586 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

Instrument :
BNA_P
ClientSampleId :
SU-02-03142023

Tgt Ion:228 Resp: 42788
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 23.4 15.8 23.8

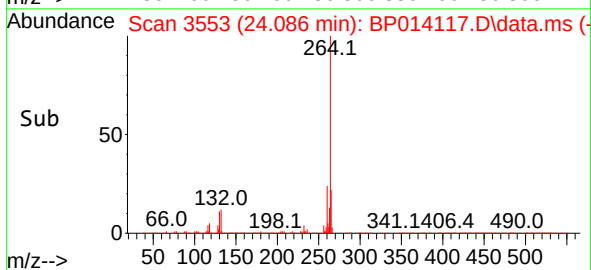
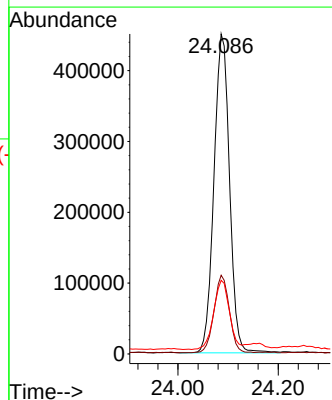
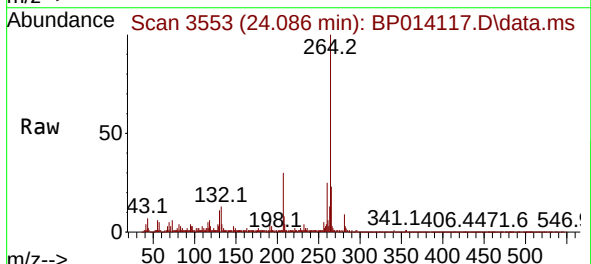
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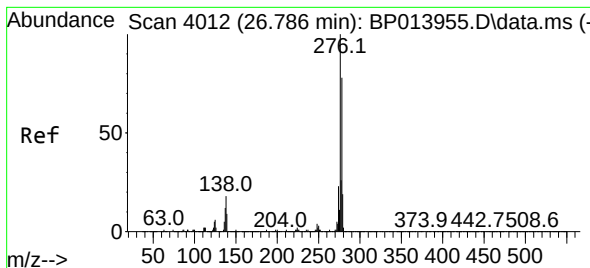
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.086 min Scan# 3553
Delta R.T. 0.006 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

Tgt Ion:264 Resp: 970622
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 23.0 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.178 ng

RT: 26.751 min Scan# 4012

Delta R.T. 0.000 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

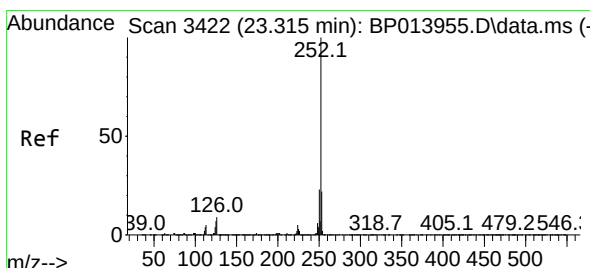
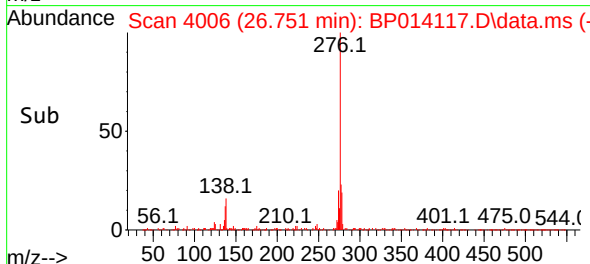
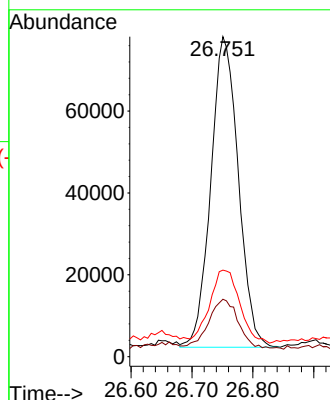
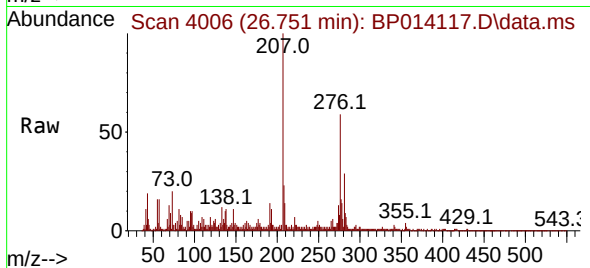
Tgt Ion:	276	Resp:	23834
Ion Ratio	Lower	Upper	
276	100		
138	17.9	13.8	20.8
277	25.5	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#88

Benzo(b)fluoranthene

Concen: 7.753 ng

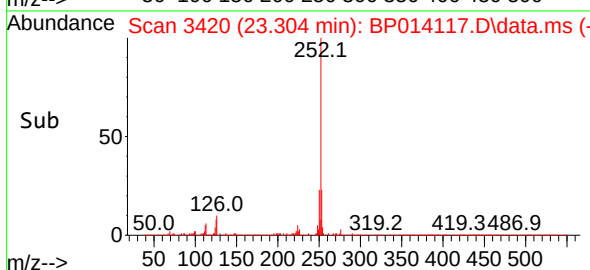
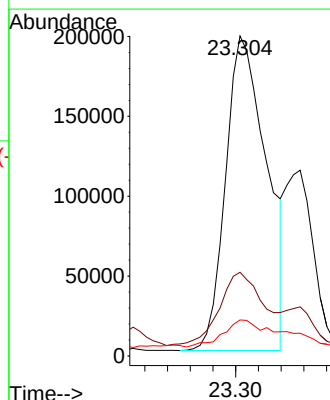
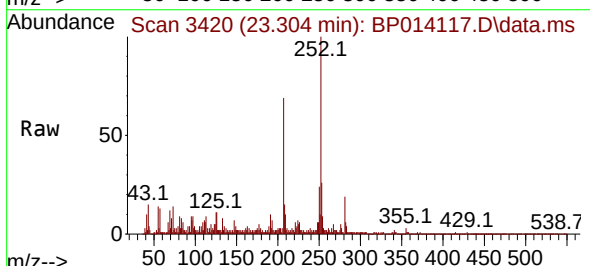
RT: 23.304 min Scan# 3420

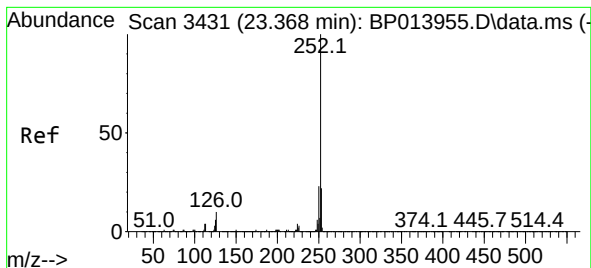
Delta R.T. 0.006 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Tgt Ion:	252	Resp:	492756
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.5	26.3
125	11.3	5.6	8.4





#89

Benzo(k)fluoranthene

Concen: 3.205 ng m

RT: 23.357 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Instrument :

BNA_P

ClientSampleId :

SU-02-03142023

Tgt Ion:252 Resp: 201950

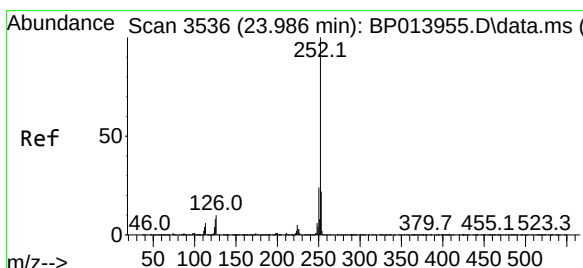
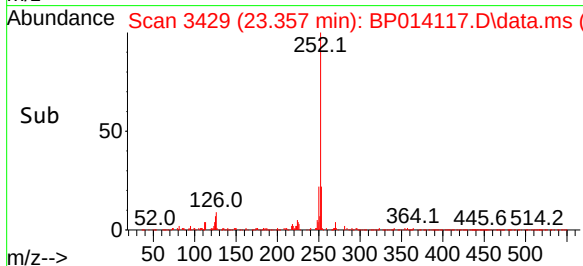
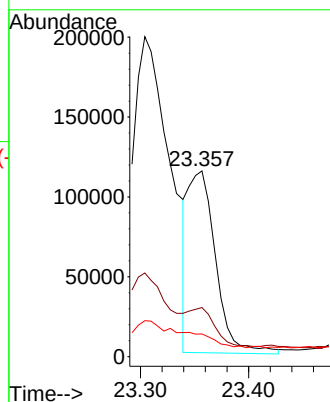
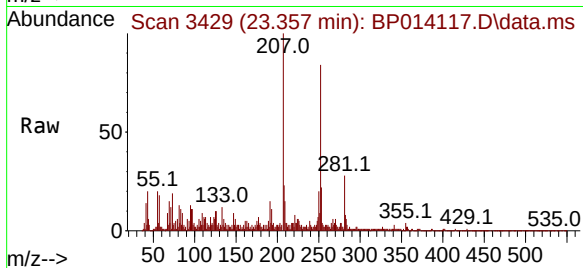
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.4	26.0
125	12.3	5.4	8.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#90

Benzo(a)pyrene

Concen: 6.435 ng

RT: 23.969 min Scan# 3533

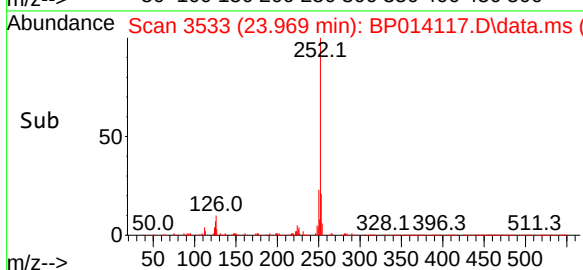
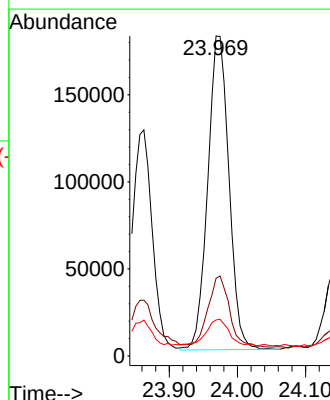
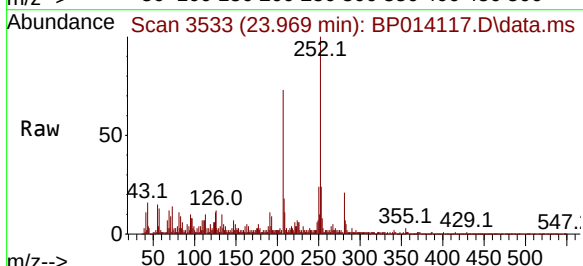
Delta R.T. 0.000 min

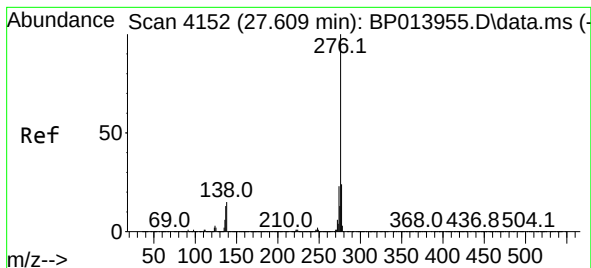
Lab File: BP014117.D

Acq: 17 Mar 2023 12:46

Tgt Ion:252 Resp: 390114

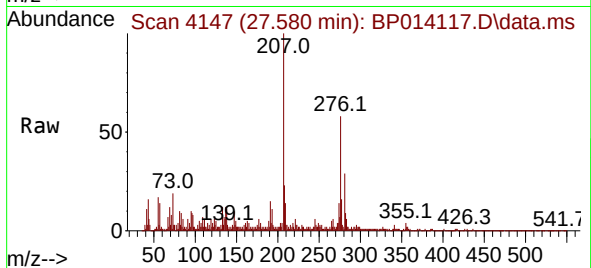
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	11.3	6.2	9.4





#92
Benzo(g,h,i)perylene
Concen: 4.427 ng
RT: 27.580 min Scan# 41
Delta R.T. 0.012 min
Lab File: BP014117.D
Acq: 17 Mar 2023 12:46

Instrument :
BNA_P
ClientSampleId :
SU-02-03142023



Tgt Ion: 276 Resp: 27355
Ion Ratio Lower Upper
276 100
277 28.1 19.4 29.0
138 18.7 12.2 18.4

Manual Integrations
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Reviewed By : Christian Giraldo 03/20/2023
Supervised By : Jagrut Upadhyay 03/20/2023

