

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056591.D
 Acq On : 8 Feb 2023 21:23
 Operator : CG/JU
 Sample : 01481-11 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-46-020723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2023
 Supervised By : Jagrut Upadhyay 02/09/2023

Quant Time: Feb 09 02:09:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	42618	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	161708	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	116490	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	268694	20.000	ng	0.00
76) Chrysene-d12	21.925	240	240928	20.000	ng	0.00
86) Perylene-d12	25.350	264	262766	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	125031	53.969	ng	0.00
7) Phenol-d6	7.418	99	172981	50.393	ng	0.00
23) Nitrobenzene-d5	9.445	82	93479	32.826	ng	0.00
42) 2,4,6-Tribromophenol	16.372	330	69273	44.731	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	305029	36.304	ng	0.00
79) Terphenyl-d14	20.203	244	488116	35.584	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.671	178	122358	8.701	ng	99
75) Fluoranthene	19.668	202	379170	21.363	ng	99
78) Pyrene	20.027	202	378771	22.105	ng	99
81) Benzo(a)anthracene	21.901	228	201571	11.967	ng	99
83) Chrysene	21.972	228	175468	11.089	ng	98
87) Indeno(1,2,3-cd)pyrene	29.292	276	112824	5.866	ng	# 92
88) Benzo(b)fluoranthene	24.251	252	254663	15.614	ng	99
89) Benzo(k)fluoranthene	24.316	252	91076m	5.531	ng	
90) Benzo(a)pyrene	25.186	252	198137	12.333	ng	99
92) Benzo(g,h,i)perylene	30.538	276	103026	6.613	ng	98

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

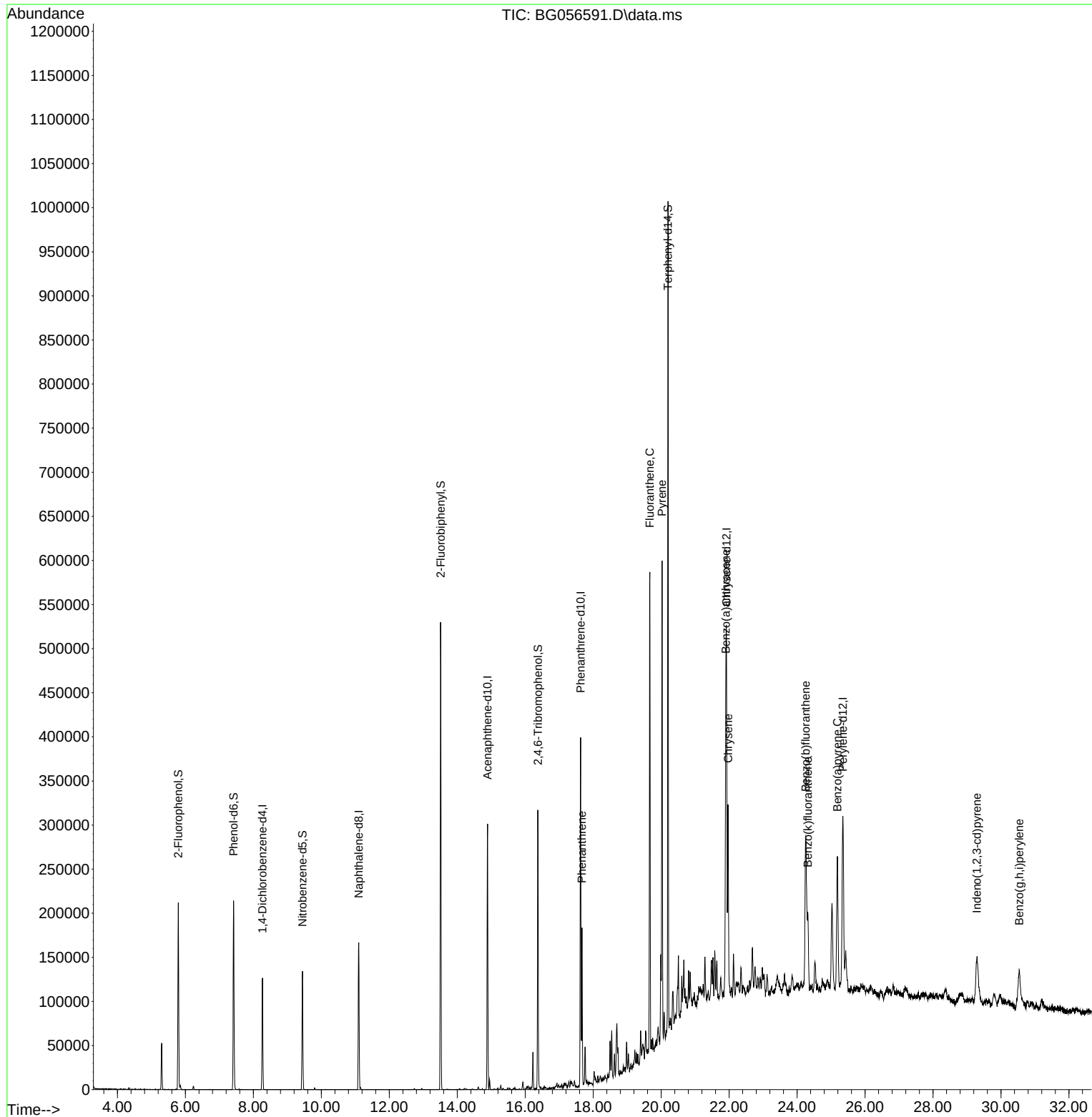
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056591.D
Acq On : 8 Feb 2023 21:23
Operator : CG/JU
Sample : 01481-11 2X
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ALS Vial : 14 Sample Multiplier: 1

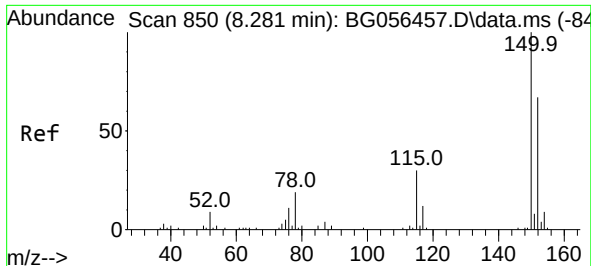
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

Quant Time: Feb 09 02:09:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 03:02:11 2023
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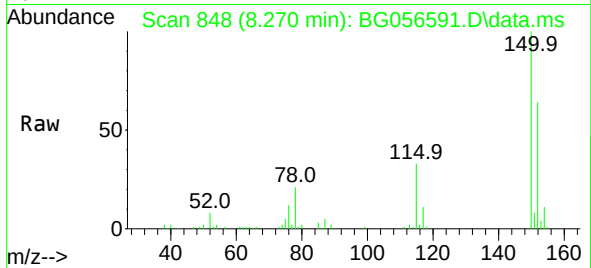
Reviewed By : Christian Giraldo 02/09/2023
Supervised By : Jagrut Upadhyay 02/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

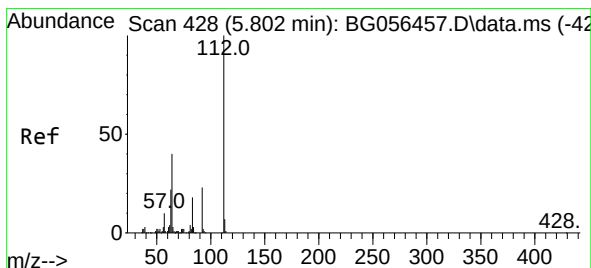
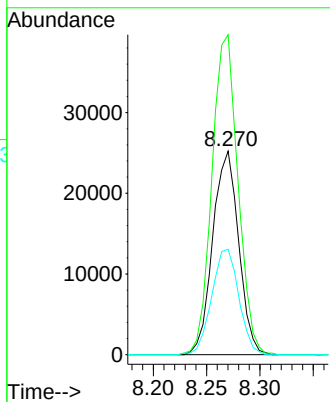
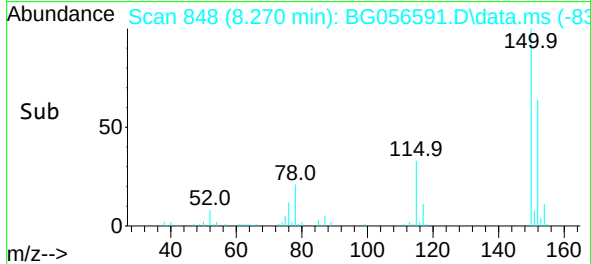
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723



Tgt Ion:152 Resp: 42618
Ion Ratio Lower Upper
152 100
150 157.3 120.2 180.4
115 51.8 36.3 54.5

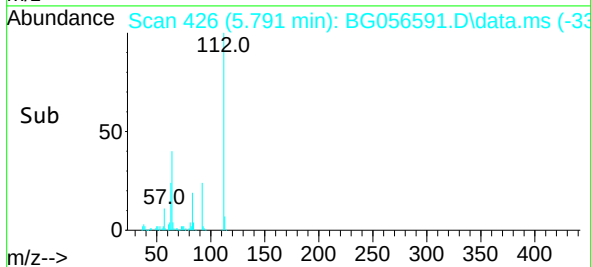
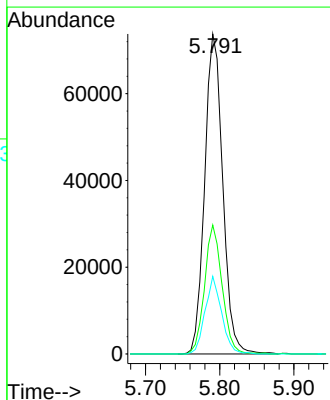
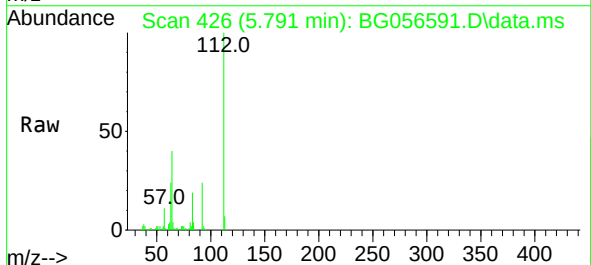
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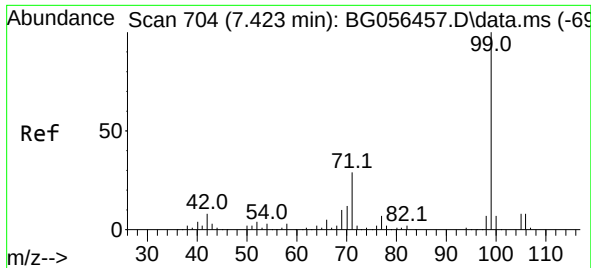
Reviewed By :Christian Giraldo 02/09/2023
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#5
2-Fluorophenol
Concen: 53.969 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

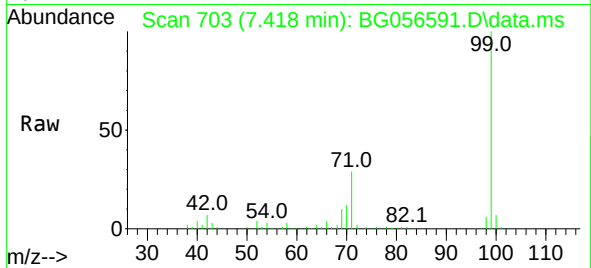
Tgt Ion:112 Resp: 125031
Ion Ratio Lower Upper
112 100
64 40.3 31.9 47.9
63 24.2 17.4 26.0





#7
Phenol-d6
Concen: 50.393 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

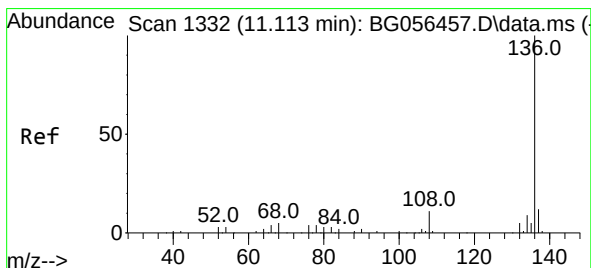
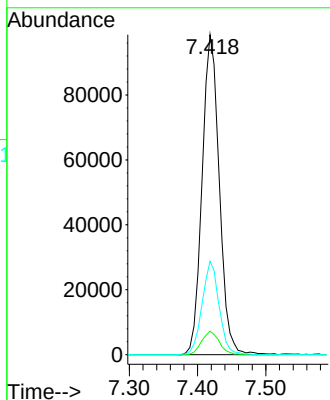
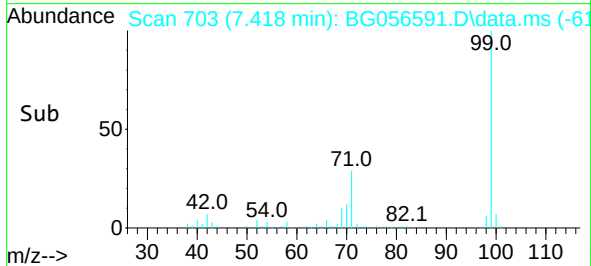
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723



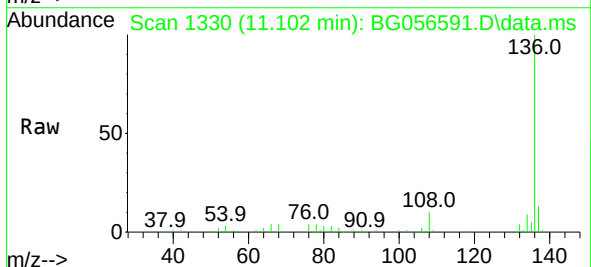
Tgt Ion: 99 Resp: 17298
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 29.2 23.4 35.0

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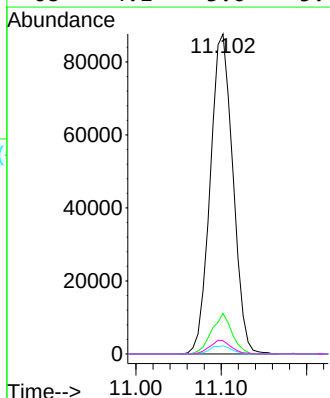
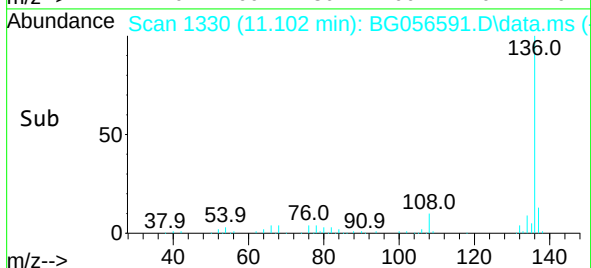
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

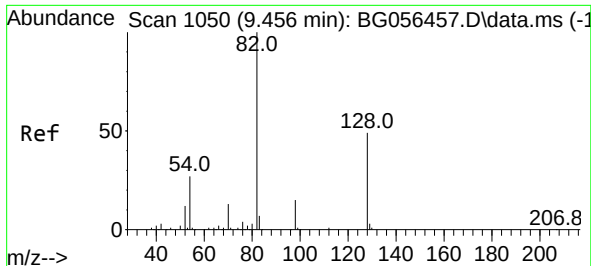


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23



Tgt Ion:136 Resp: 161708
Ion Ratio Lower Upper
136 100
137 12.7 9.4 14.0
54 2.5 2.2 3.4
68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 32.826 ng

RT: 9.445 min Scan# 1048

Delta R.T. 0.001 min

Lab File: BG056591.D

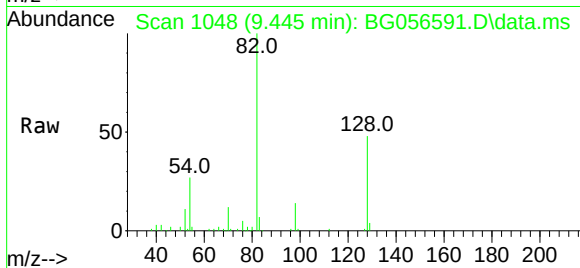
Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

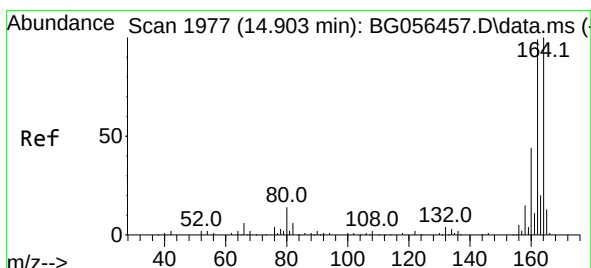
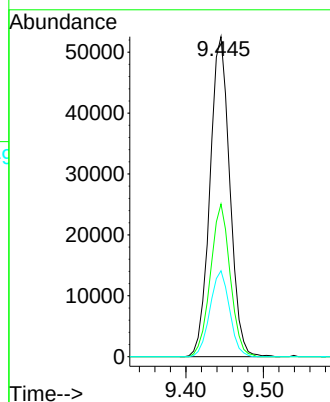


Tgt Ion: 82	Resp: 93479
Ion Ratio	Lower Upper
82	100
128	47.7 39.4 59.2
54	26.9 21.4 32.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

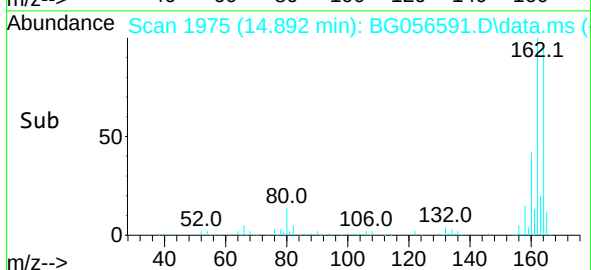
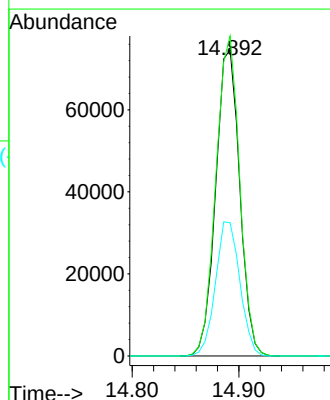
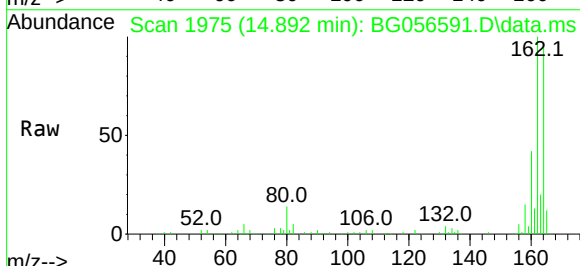
RT: 14.892 min Scan# 1975

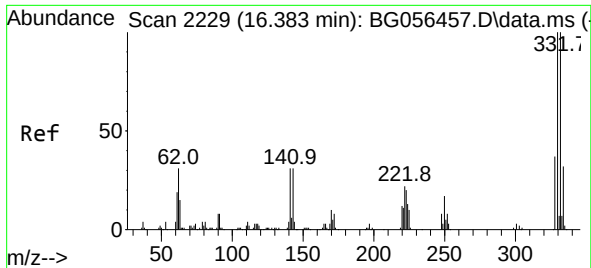
Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

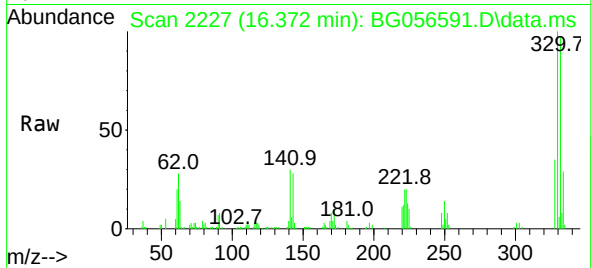
Tgt Ion: 164	Resp: 116490
Ion Ratio	Lower Upper
164	100
162	104.5 79.6 119.4
160	43.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 44.731 ng
RT: 16.372 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

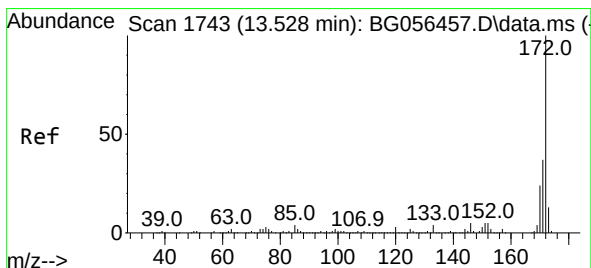
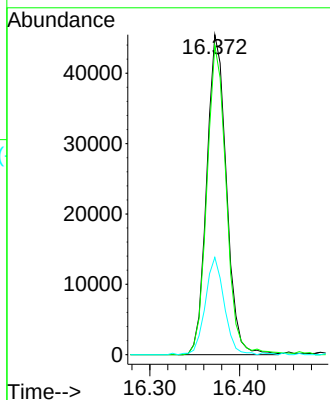
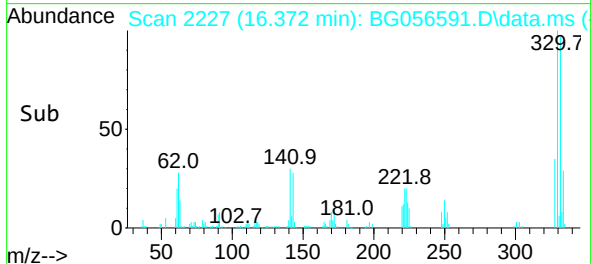
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723



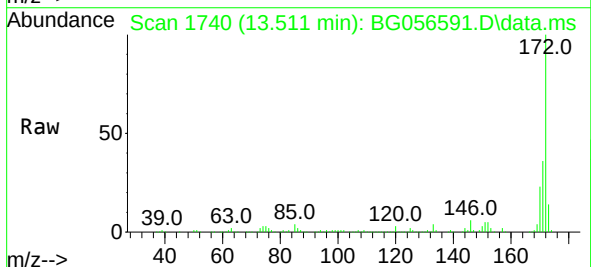
Tgt Ion:330 Resp: 6927
Ion Ratio Lower Upper
330 100
332 95.1 79.0 118.6
141 29.1 24.2 36.4

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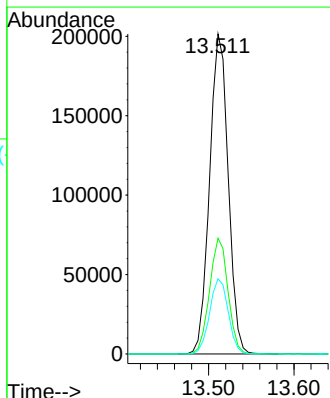
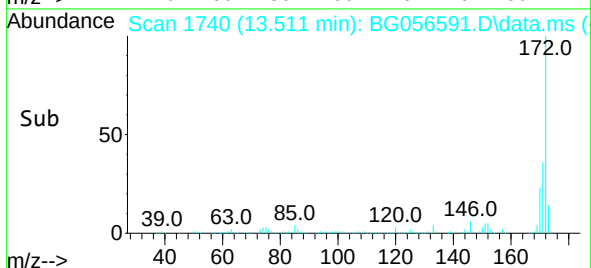
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

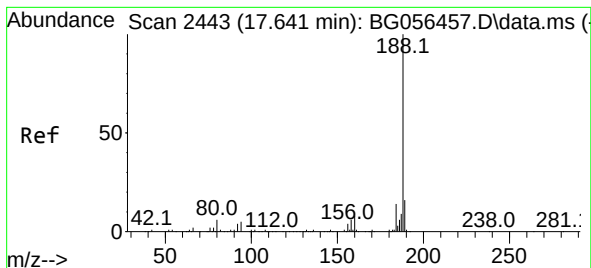


#45
2-Fluorobiphenyl
Concen: 36.304 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23



Tgt Ion:172 Resp: 305029
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 23.5 19.2 28.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

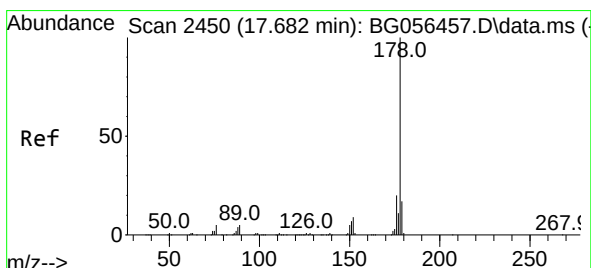
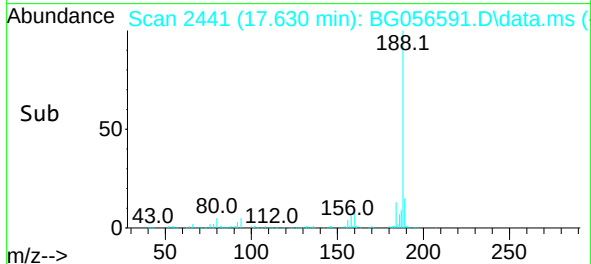
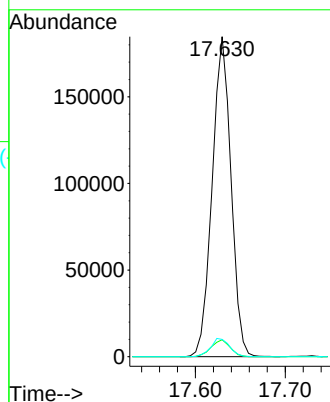
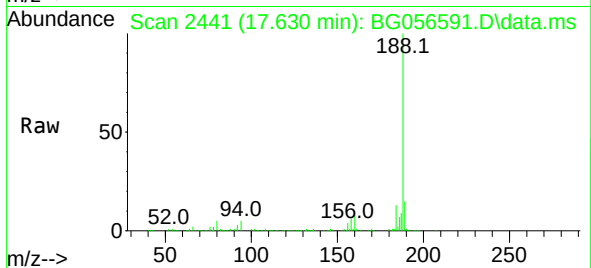
JPP-46-020723

Tgt Ion:188 Resp: 268694
 Ion Ratio Lower Upper
 188 100
 94 5.3 4.1 6.1
 80 5.4 5.0 7.4

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 Supervised By :Jagrut Upadhyay 02/09/2023



#71

Phenanthrene

Concen: 8.701 ng

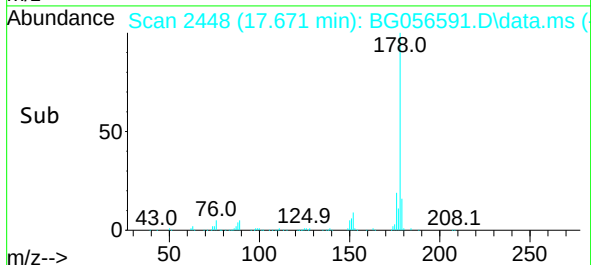
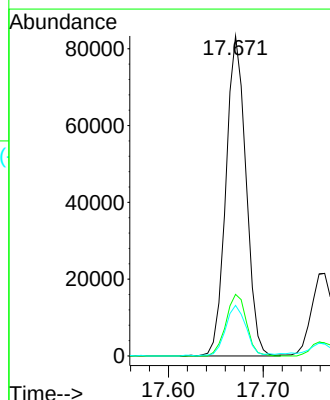
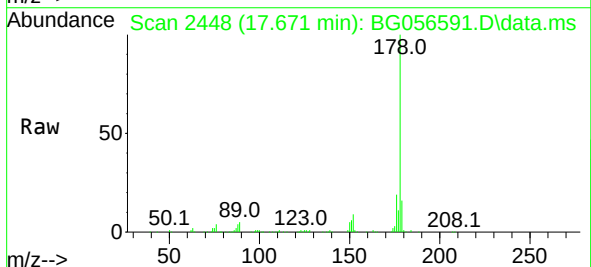
RT: 17.671 min Scan# 2448

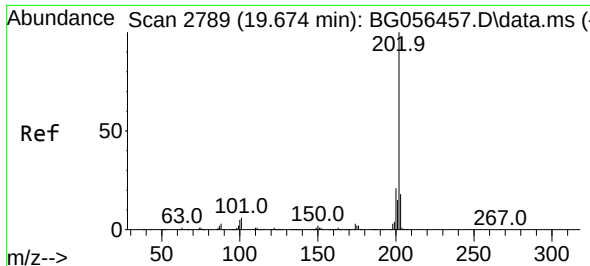
Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

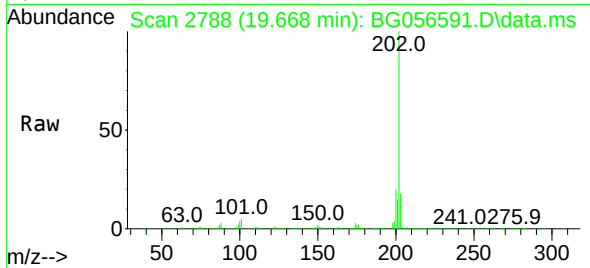
Tgt Ion:178 Resp: 122358
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 15.8 13.3 19.9





#75
Fluoranthene
Concen: 21.363 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

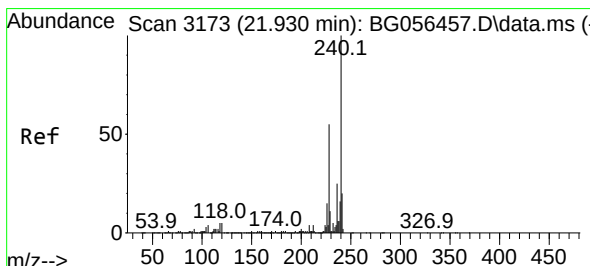
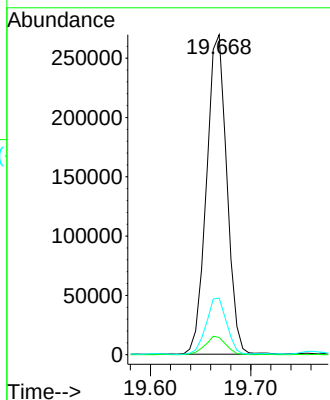
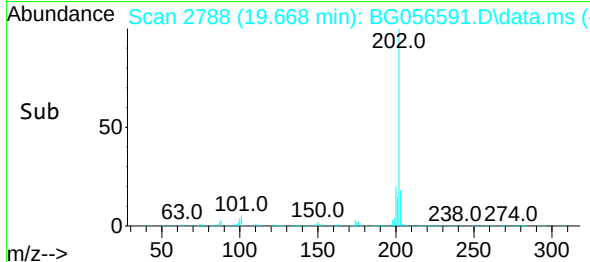
Instrument :
BNA_G
ClientSampleId :
JPP-46-020723



Tgt Ion:202 Resp: 379170
Ion Ratio Lower Upper
202 100
101 5.4 0.0 25.6
203 17.7 0.0 38.1

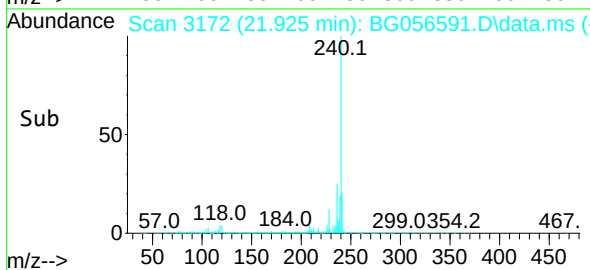
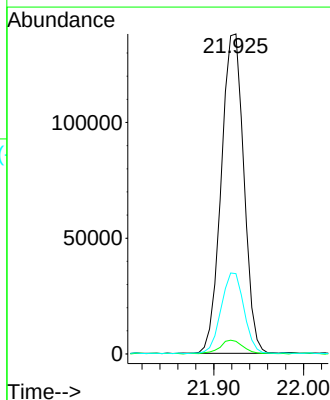
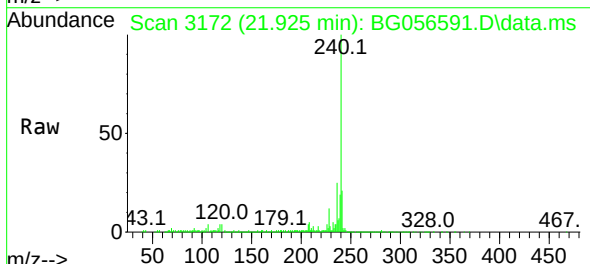
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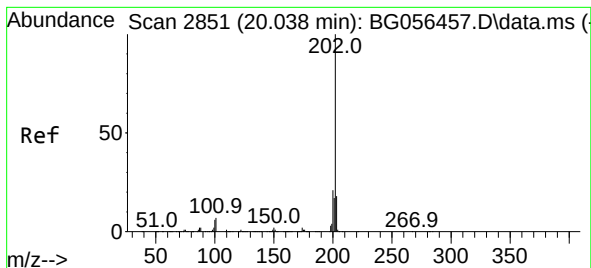
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:240 Resp: 240928
Ion Ratio Lower Upper
240 100
120 4.0 3.8 5.8
236 25.1 20.2 30.2





#78

Pyrene

Concen: 22.105 ng

RT: 20.027 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

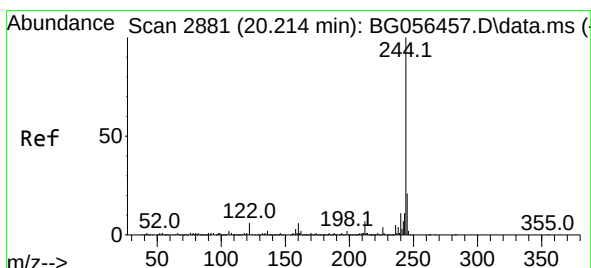
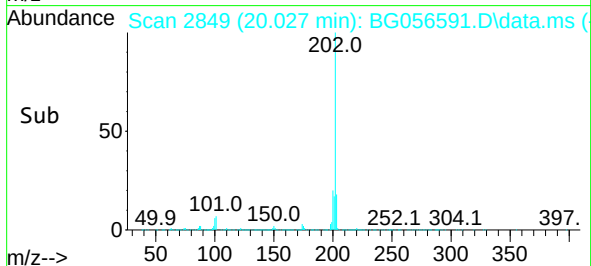
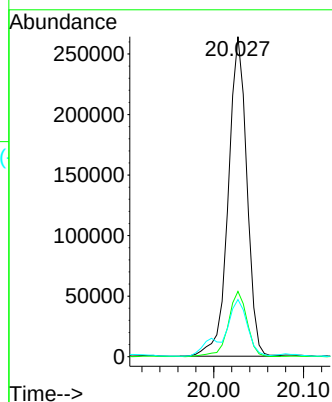
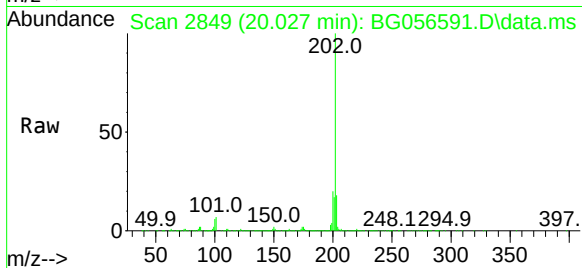
Tgt Ion:202 Resp: 37877

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.9	14.4	21.6

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#79

Terphenyl-d14

Concen: 35.584 ng

RT: 20.203 min Scan# 2879

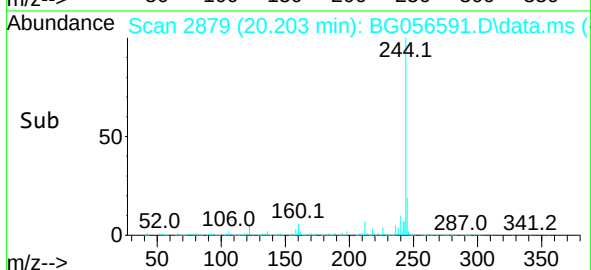
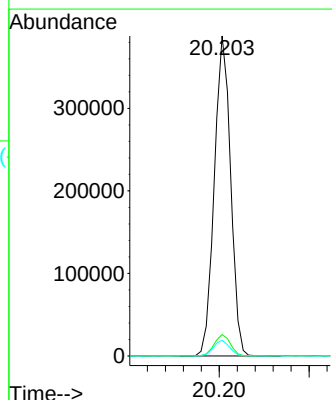
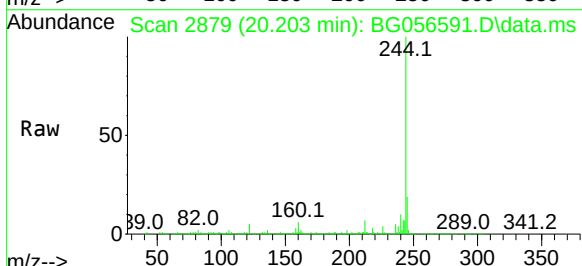
Delta R.T. -0.005 min

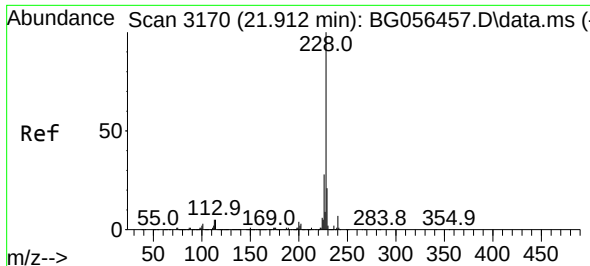
Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Tgt Ion:244 Resp: 488116

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	4.9	4.4	6.6





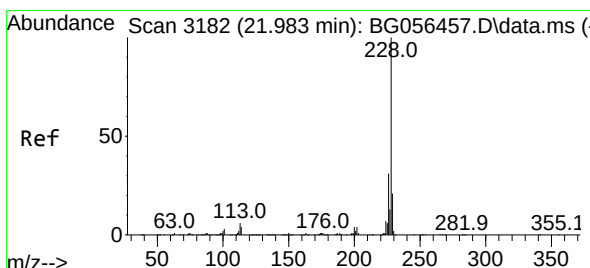
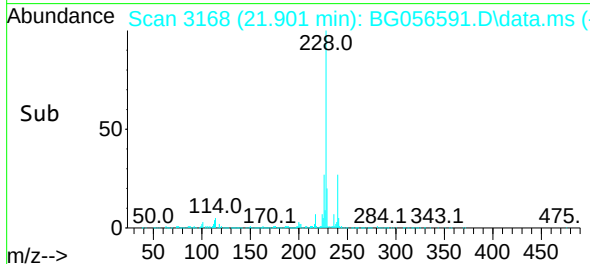
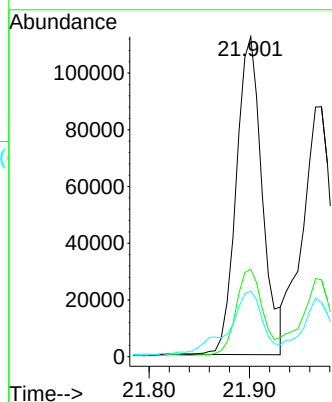
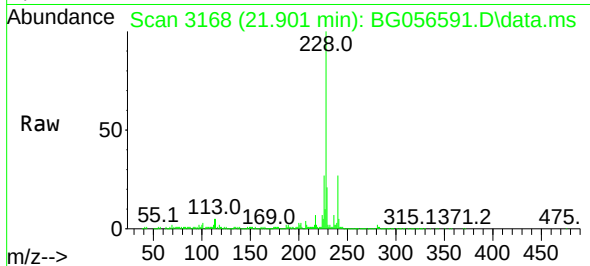
#81
Benzo(a)anthracene
Concen: 11.967 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Instrument :
BNA_G
ClientSampleId :
JPP-46-020723

Tgt Ion:228 Resp: 20157
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 20.5 16.5 24.7

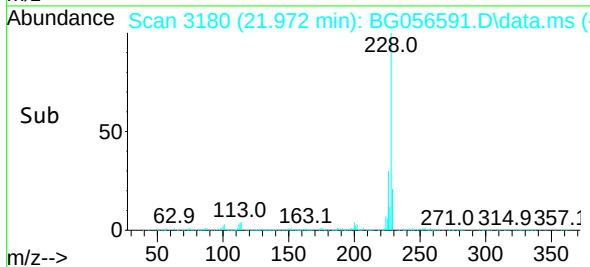
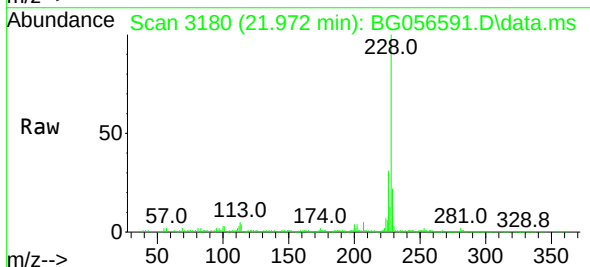
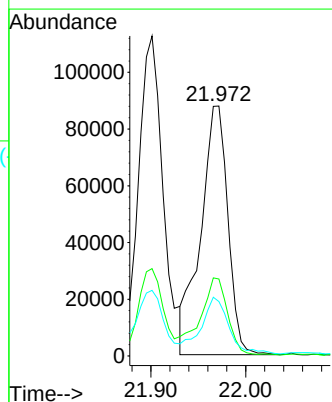
Manual Integrations
APPROVED

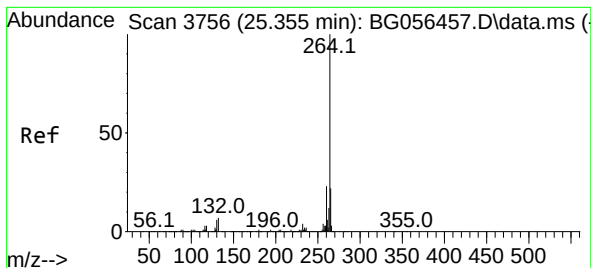
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#83
Chrysene
Concen: 11.089 ng
RT: 21.972 min Scan# 3180
Delta R.T. 0.001 min
Lab File: BG056591.D
Acq: 8 Feb 2023 21:23

Tgt Ion:228 Resp: 175468
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 21.8 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

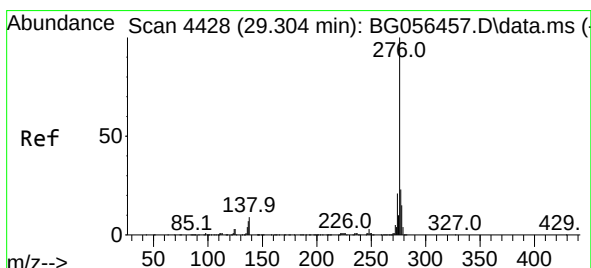
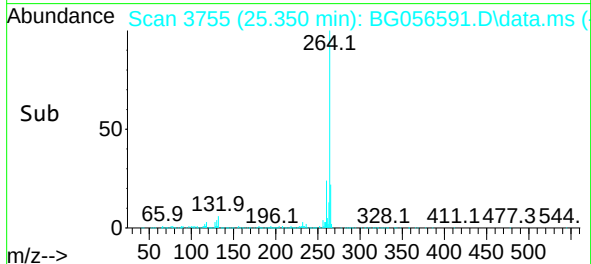
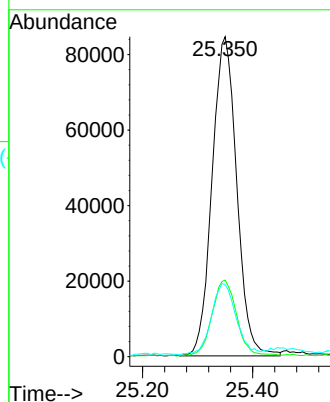
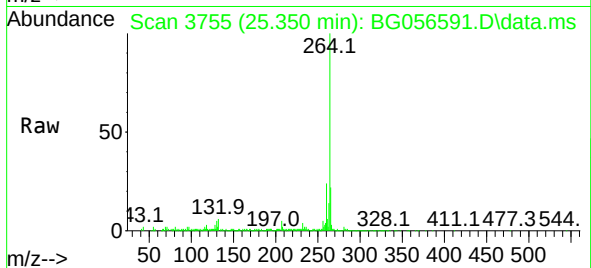
Tgt Ion:264 Resp: 262760

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	22.5	18.1	27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.866 ng

RT: 29.292 min Scan# 4426

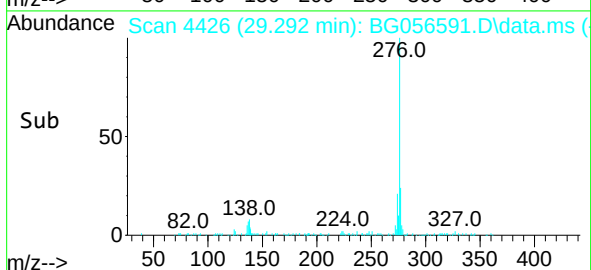
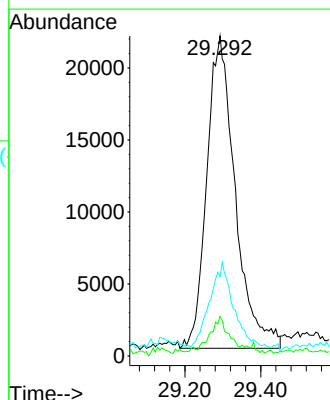
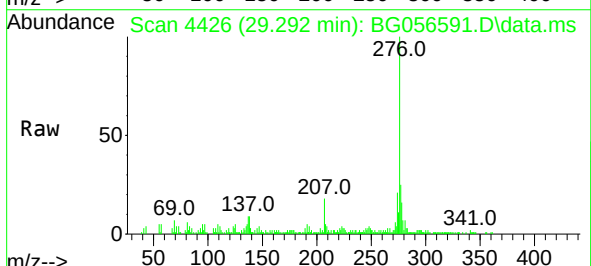
Delta R.T. 0.006 min

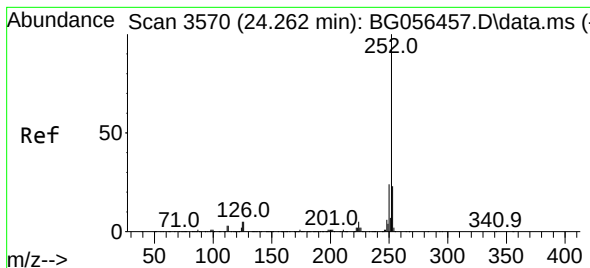
Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Tgt Ion:276 Resp: 112824

Ion	Ratio	Lower	Upper
276	100		
138	6.2	9.4	14.2#
277	22.9	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 15.614 ng

RT: 24.251 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

Tgt Ion:252 Resp: 25466

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

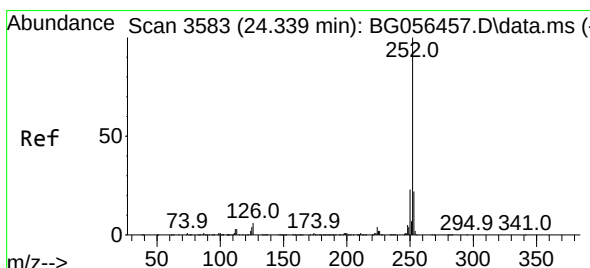
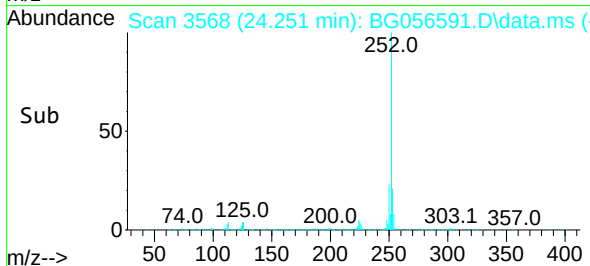
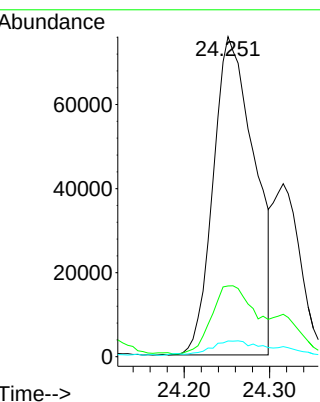
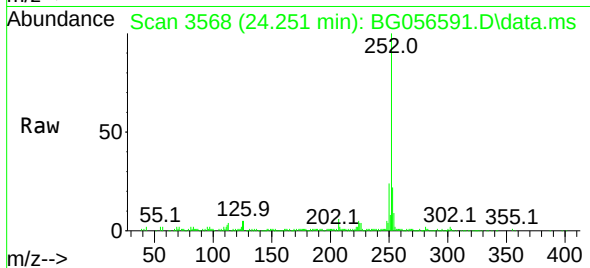
125 4.9 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/09/2023

Supervised By :Jagrut Upadhyay 02/09/2023



#89

Benzo(k)fluoranthene

Concen: 5.531 ng m

RT: 24.316 min Scan# 3579

Delta R.T. -0.005 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

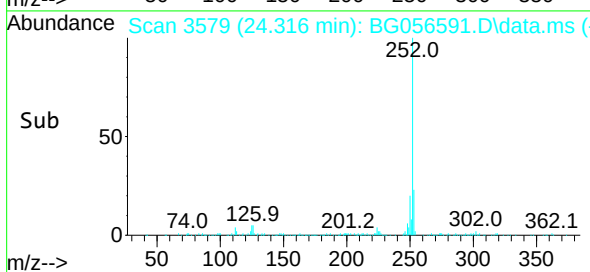
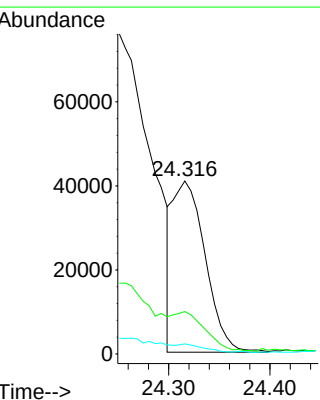
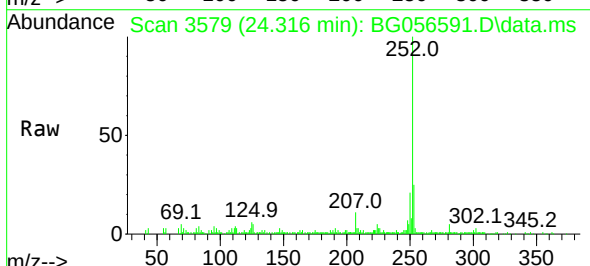
Tgt Ion:252 Resp: 91076

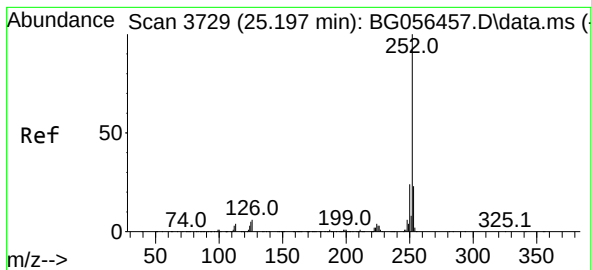
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 5.9 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 12.333 ng

RT: 25.186 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Instrument :

BNA_G

ClientSampleId :

JPP-46-020723

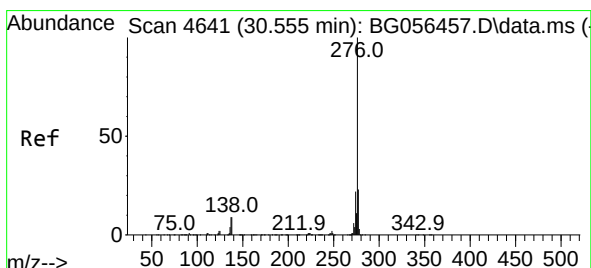
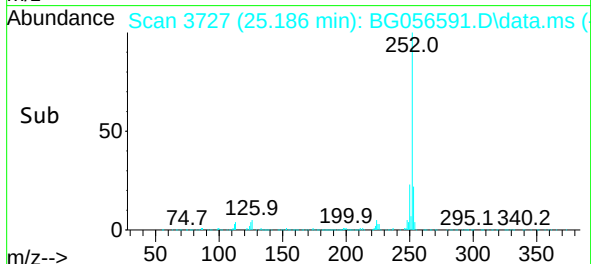
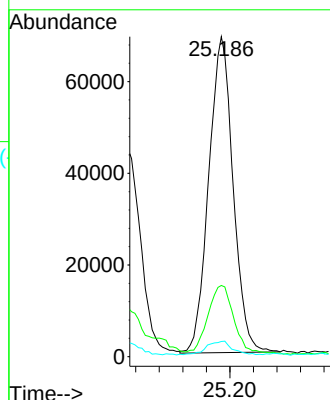
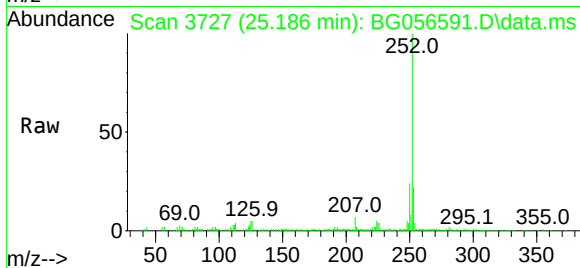
Tgt Ion:	252	Resp:	19813
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.4	27.6
125	4.8	4.1	6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/09/2023

Supervised By :Jagrut Upadhyay 02/09/2023



#92

Benzo(g,h,i)perylene

Concen: 6.613 ng

RT: 30.538 min Scan# 4638

Delta R.T. 0.012 min

Lab File: BG056591.D

Acq: 8 Feb 2023 21:23

Tgt Ion:	276	Resp:	103026
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.5	27.7
138	9.3	7.4	11.0

