

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056545.D
 Acq On : 3 Feb 2023 19:15
 Operator : CG/JU
 Sample : 01386-07DL 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-6-013123DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 05:13:53 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 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	50729	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	183129	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	126865	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	292370	20.000	ng	0.00
76) Chrysene-d12	21.927	240	279602	20.000	ng	0.00
86) Perylene-d12	25.347	264	294018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	5041	1.828	ng	0.00
7) Phenol-d6	7.427	99	6957	1.703	ng	0.00
23) Nitrobenzene-d5	9.454	82	3800	1.178	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	2715	1.610	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	12182	1.331	ng	0.00
79) Terphenyl-d14	20.206	244	19902	1.250	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.158	128	33868	3.504	ng	97
52) Acenaphthene	14.959	154	25244	3.638	ng	93
58) Fluorene	15.934	166	26851	2.711	ng	99
71) Phenanthrene	17.674	178	429336	28.057	ng	99
72) Anthracene	17.768	178	105299	6.704	ng	98
75) Fluoranthene	19.671	202	710313	36.779	ng	100
78) Pyrene	20.030	202	626743	31.517	ng	99
81) Benzo(a)anthracene	21.904	228	333657	17.069	ng	99
83) Chrysene	21.974	228	287970	15.681	ng	98
87) Indeno(1,2,3-cd)pyrene	29.295	276	159925	7.431	ng	# 90
88) Benzo(b)fluoranthene	24.254	252	401677	22.010	ng	99
89) Benzo(k)fluoranthene	24.319	252	130684m	7.093	ng	
90) Benzo(a)pyrene	25.194	252	301640	16.779	ng	98
92) Benzo(g,h,i)perylene	30.529	276	152824	8.767	ng	99

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

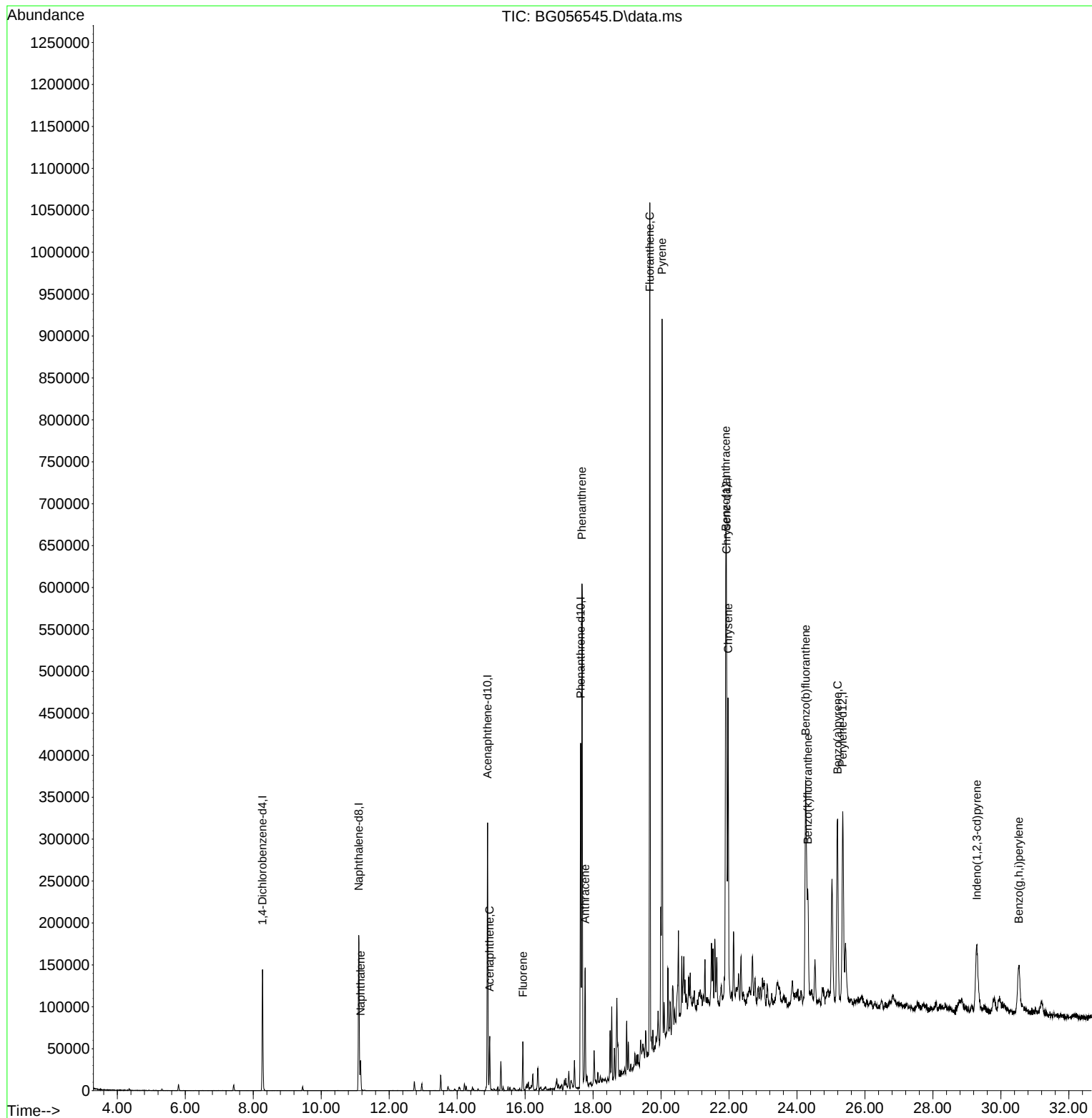
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056545.D
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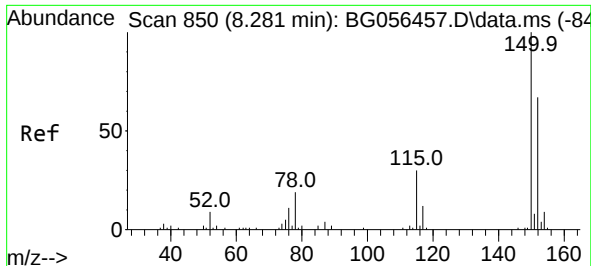
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Quant Time: Feb 04 05:13:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
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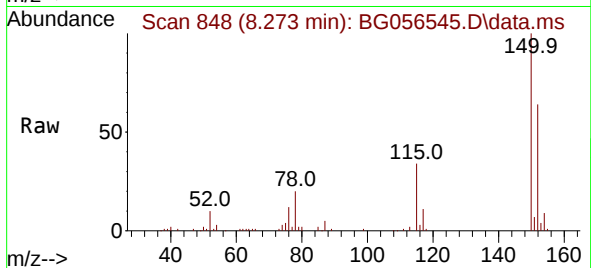
Reviewed By : Christian Giraldo 02/06/2023
Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

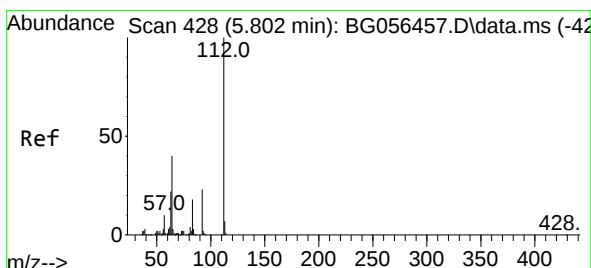
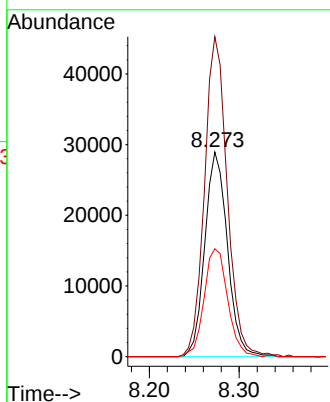
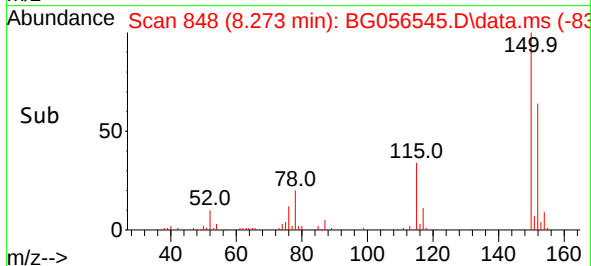
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



Tgt Ion:152 Resp: 50729
Ion Ratio Lower Upper
152 100
150 156.4 120.2 180.4
115 52.8 36.3 54.5

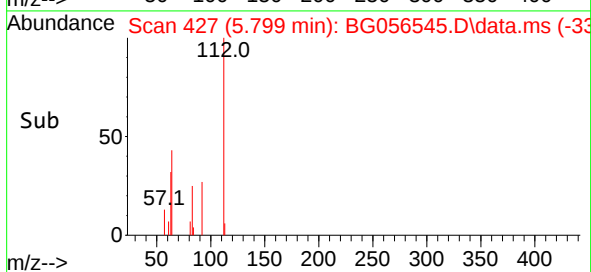
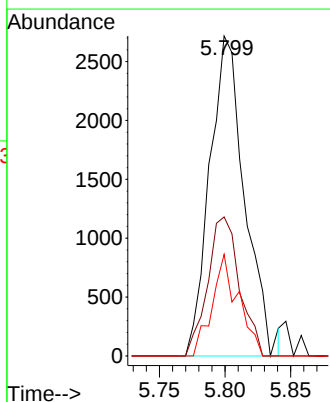
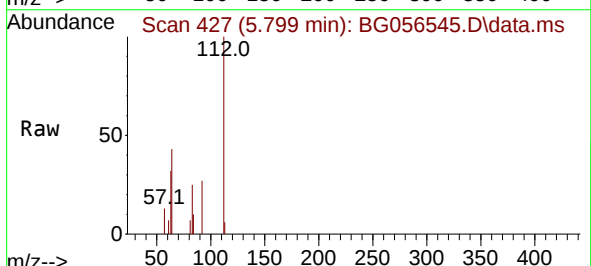
Manual Integrations
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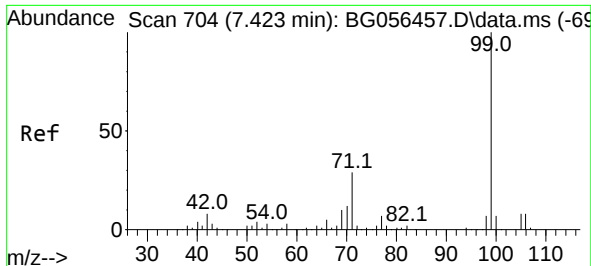
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#5
2-Fluorophenol
Concen: 1.828 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

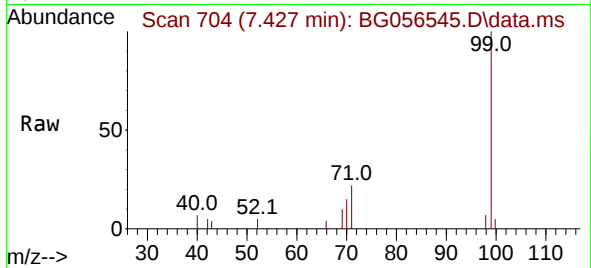
Tgt Ion:112 Resp: 5041
Ion Ratio Lower Upper
112 100
64 43.5 31.9 47.9
63 31.8 17.4 26.0#





#7
Phenol-d6
Concen: 1.703 ng
RT: 7.427 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

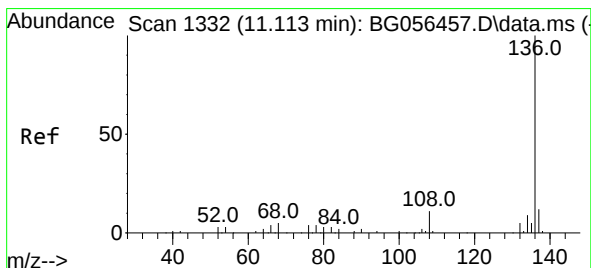
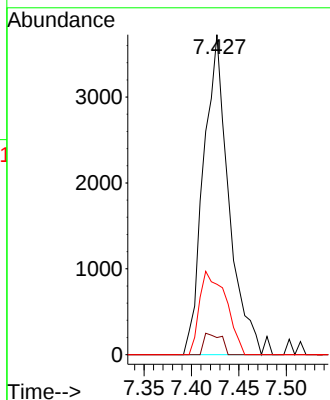
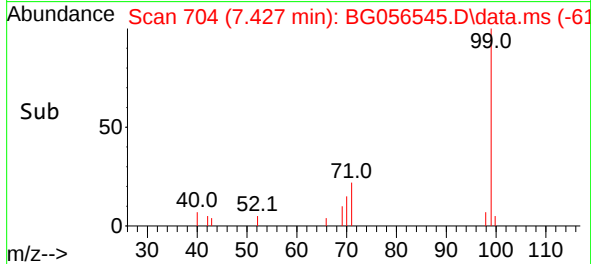
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



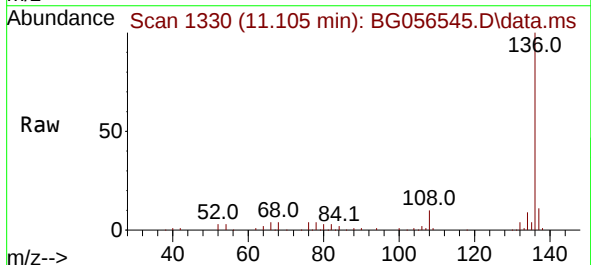
Tgt Ion: 99 Resp: 695
Ion Ratio Lower Upper
99 100
42 5.4 6.6 10.0
71 22.0 23.4 35.0

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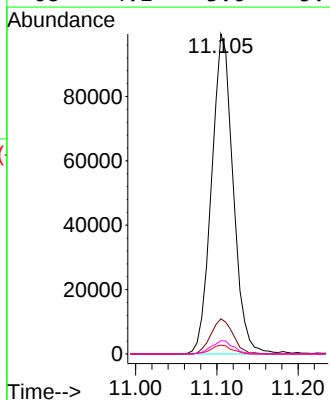
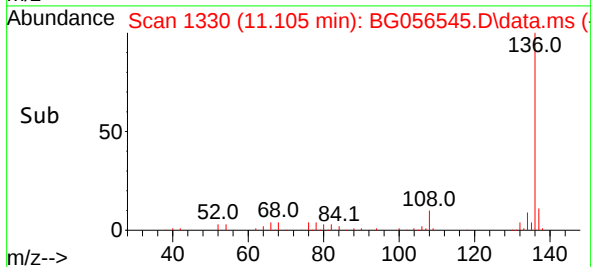
Reviewed By :Christian Giraldo 02/06/2023
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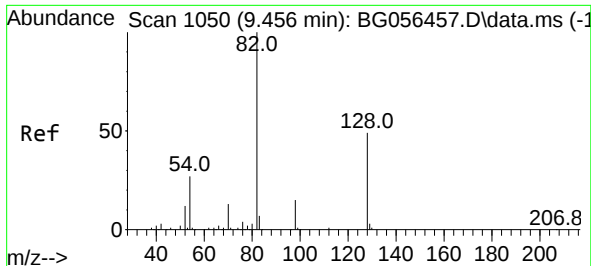


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



Tgt Ion:136 Resp: 183129
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.7 2.2 3.4
68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 1.178 ng

RT: 9.454 min Scan# 1049

Delta R.T. -0.003 min

Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123DL

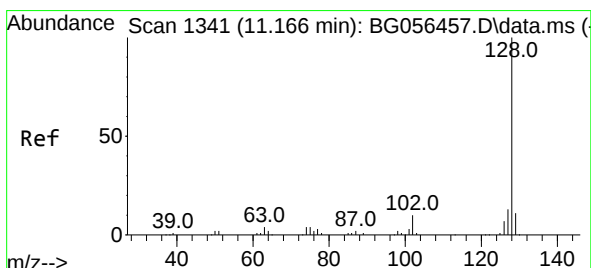
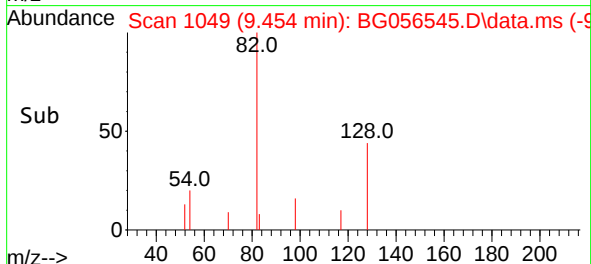
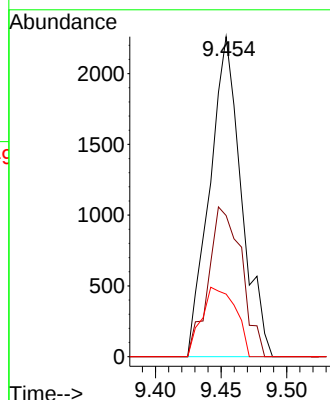
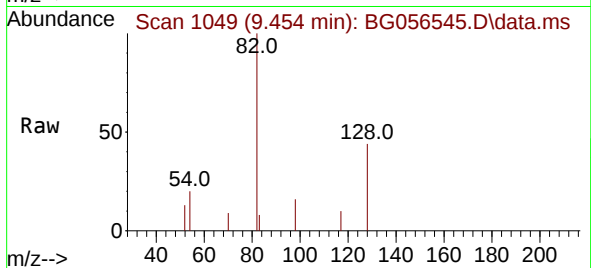
Tgt Ion: 82 Resp: 3800

Ion	Ratio	Lower	Upper
82	100		
128	44.1	39.4	59.2
54	19.5	21.4	32.2

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#31

Naphthalene

Concen: 3.504 ng

RT: 11.158 min Scan# 1339

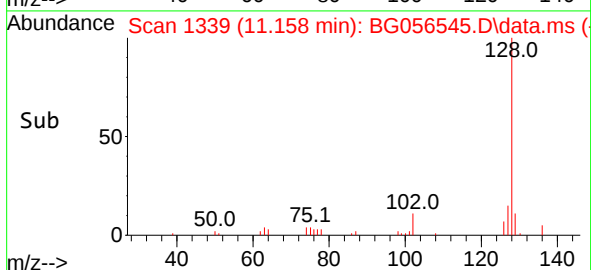
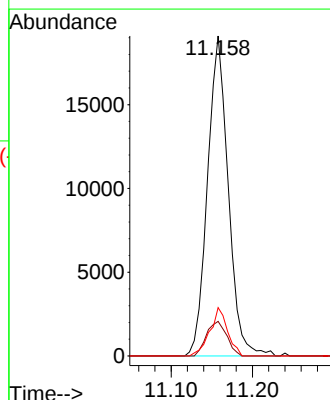
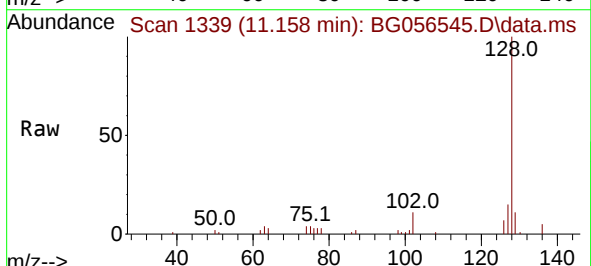
Delta R.T. -0.003 min

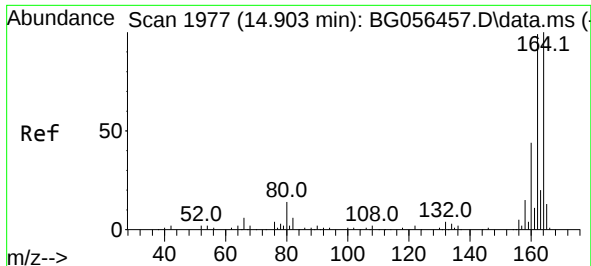
Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

Tgt Ion:128 Resp: 33868

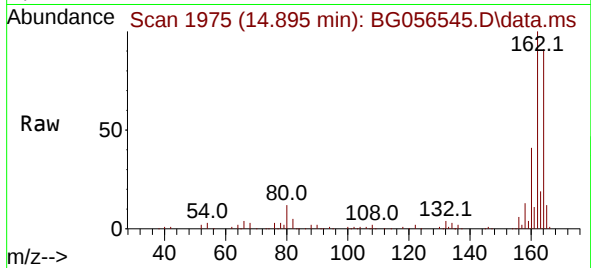
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	15.1	10.4	15.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

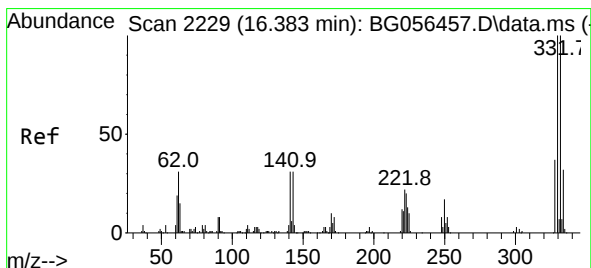
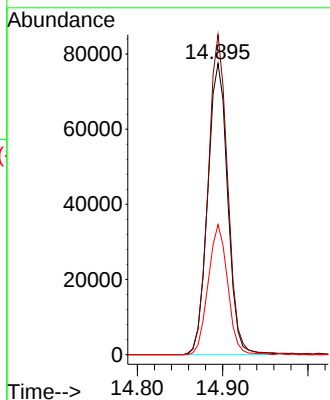
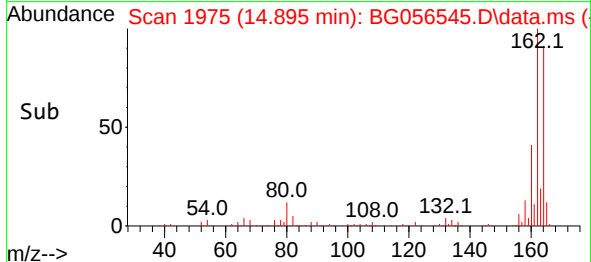
Instrument :
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ClientSampleId :
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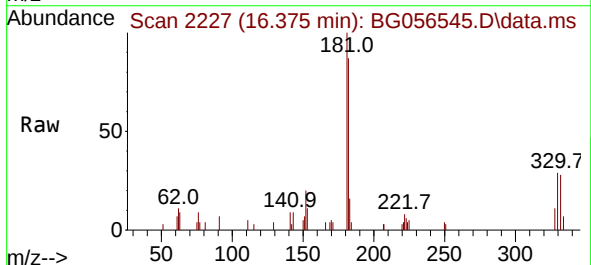
Tgt Ion:164 Resp: 12686
Ion Ratio Lower Upper
164 100
162 109.9 79.6 119.4
160 44.7 34.9 52.3

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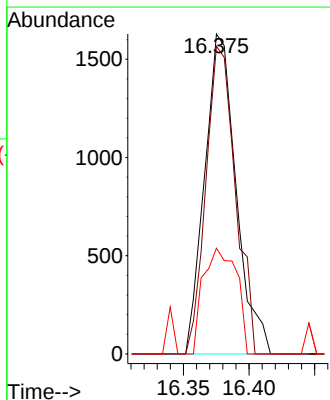
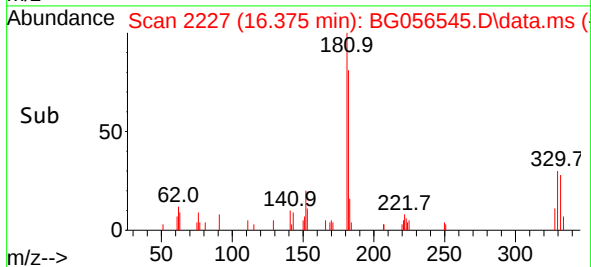
Reviewed By :Christian Giraldo 02/06/2023
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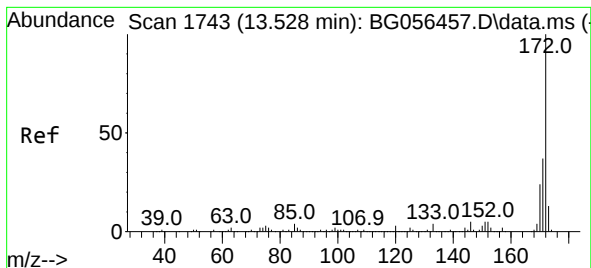


#42
2,4,6-Tribromophenol
Concen: 1.610 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



Tgt Ion:330 Resp: 2715
Ion Ratio Lower Upper
330 100
332 90.2 79.0 118.6
141 35.0 24.2 36.4





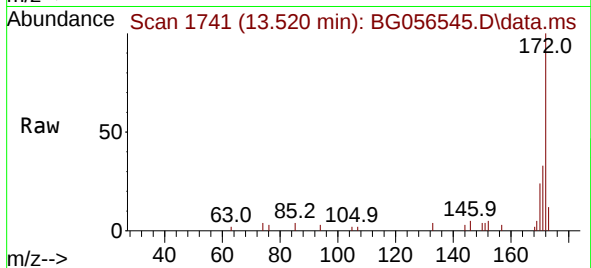
#45
2-Fluorobiphenyl
Concen: 1.331 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123DL

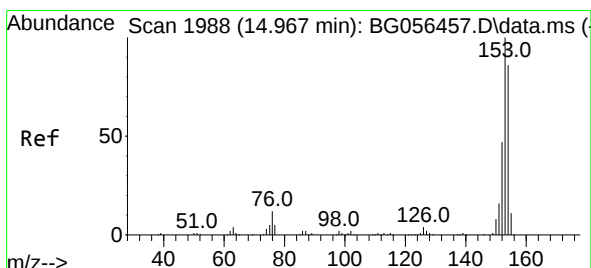
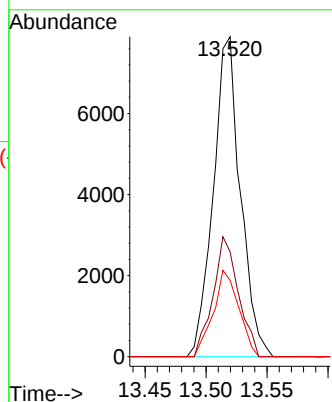
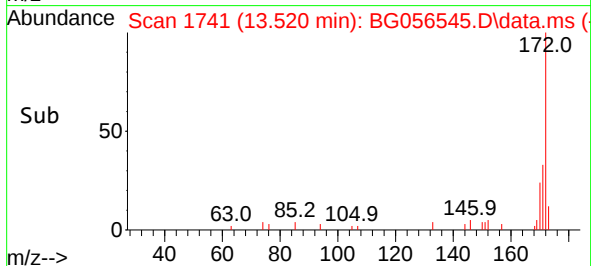


Tgt Ion:172 Resp: 1218
Ion Ratio Lower Upper
172 100
171 32.7 29.5 44.3
170 23.9 19.2 28.8

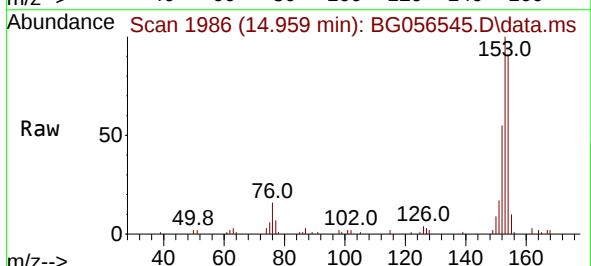
Manual Integrations

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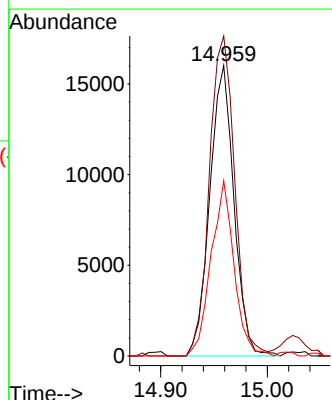
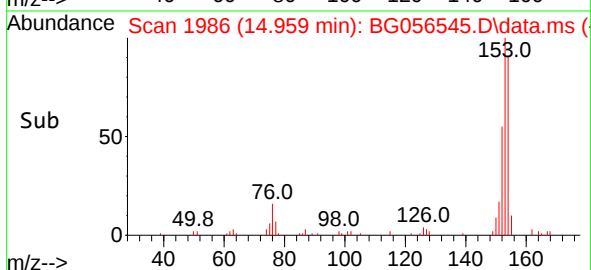
Reviewed By :Christian Giraldo 02/06/2023
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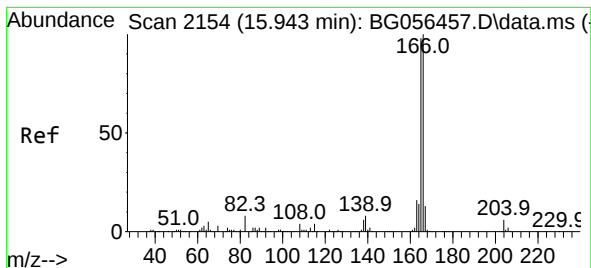


#52
Acenaphthene
Concen: 3.638 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



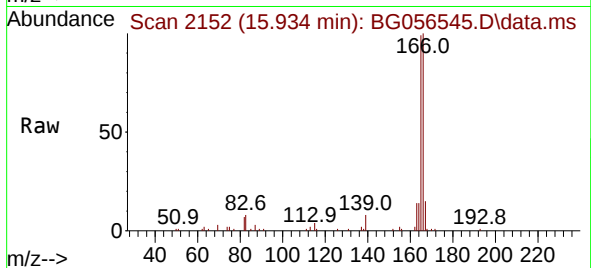
Tgt Ion:154 Resp: 25244
Ion Ratio Lower Upper
154 100
153 110.2 93.4 140.0
152 60.3 43.4 65.2





#58
Fluorene
Concen: 2.711 ng
RT: 15.934 min Scan# 2154
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

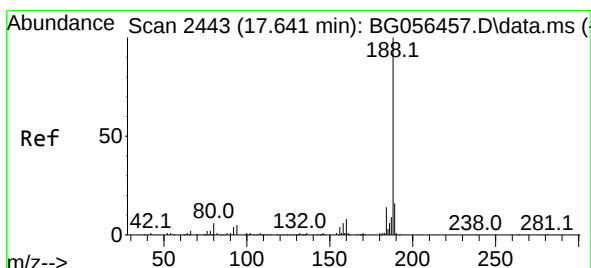
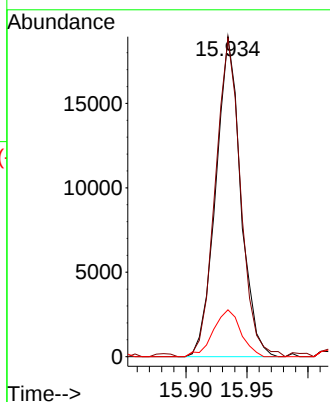
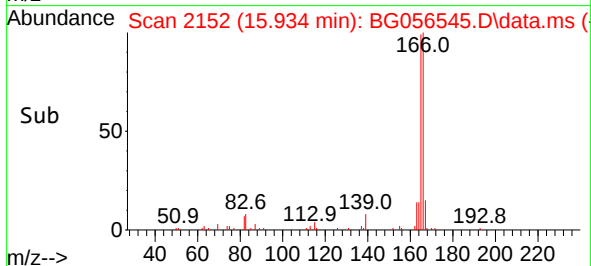
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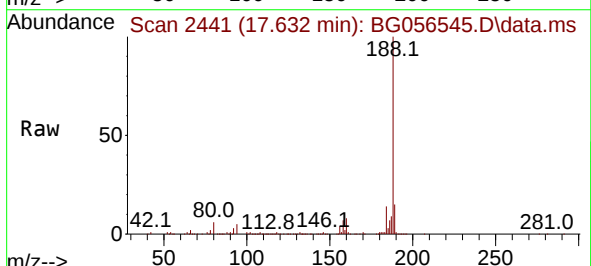
Tgt Ion:166 Resp: 2685
Ion Ratio Lower Upper
166 100
165 99.5 78.8 118.2
167 14.6 10.6 15.8

Manual Integrations
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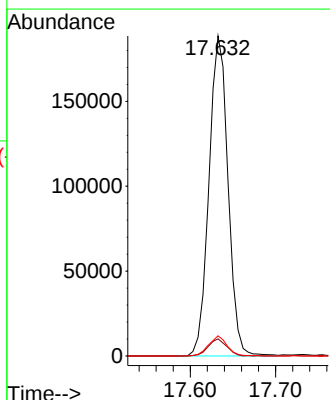
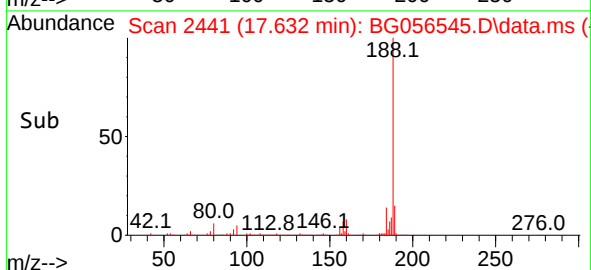
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

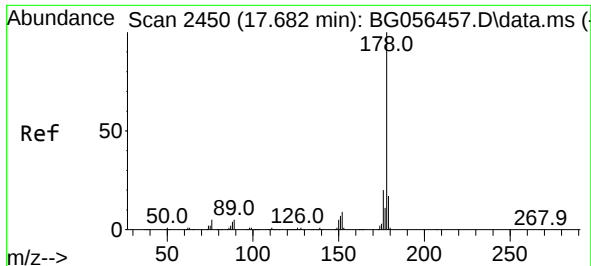


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



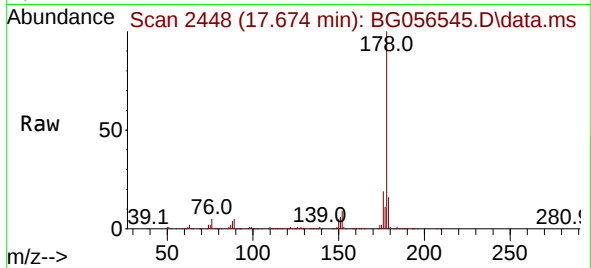
Tgt Ion:188 Resp: 292370
Ion Ratio Lower Upper
188 100
94 5.3 4.1 6.1
80 6.3 5.0 7.4





#71
Phenanthrene
Concen: 28.057 ng
RT: 17.674 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

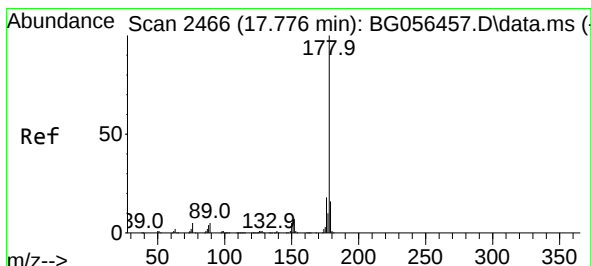
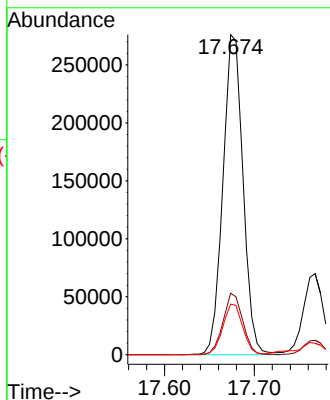
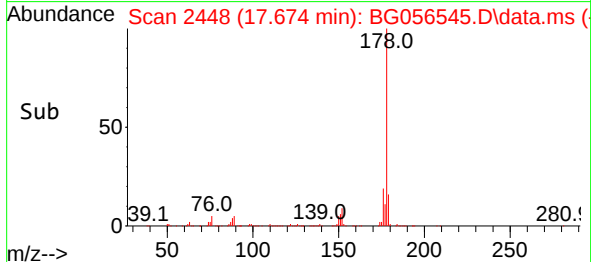
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



Tgt Ion:178 Resp: 429330
Ion Ratio Lower Upper
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176 19.2 15.6 23.4
179 15.8 13.3 19.9

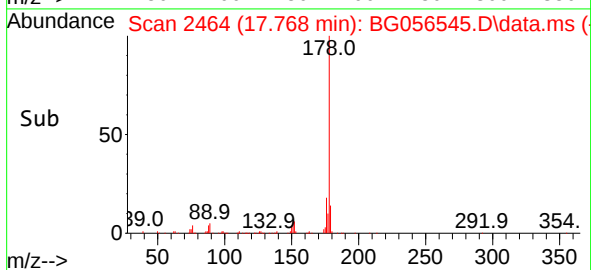
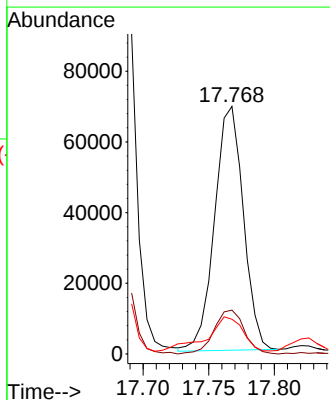
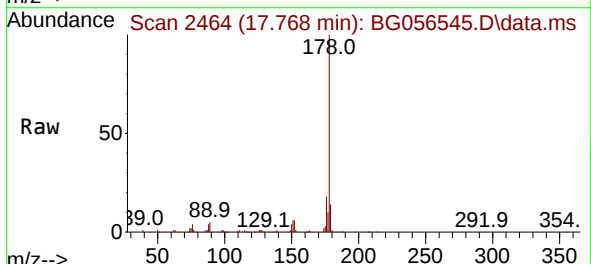
Manual Integrations
APPROVED

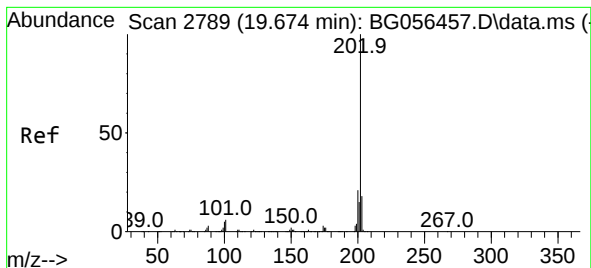
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#72
Anthracene
Concen: 6.704 ng
RT: 17.768 min Scan# 2464
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

Tgt Ion:178 Resp: 105299
Ion Ratio Lower Upper
178 100
176 17.7 14.5 21.7
179 14.0 12.5 18.7





#75

Fluoranthene

Concen: 36.779 ng

RT: 19.671 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123DL

Tgt Ion:202 Resp: 71031

Ion Ratio Lower Upper

202 100

101 5.5 0.0 25.6

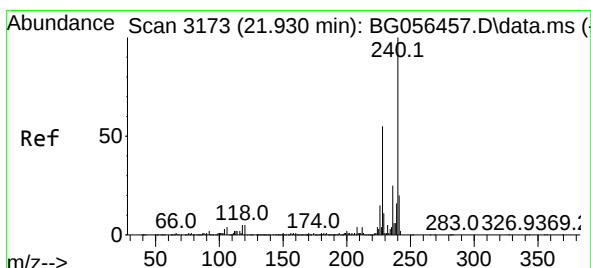
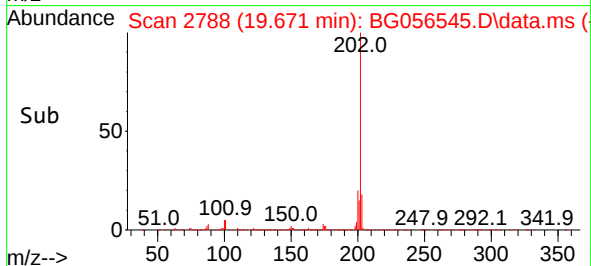
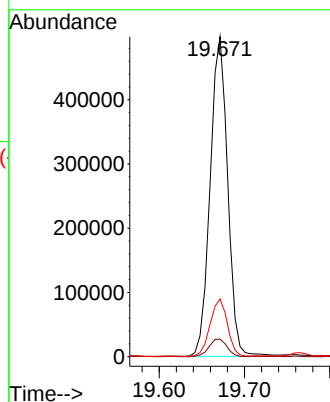
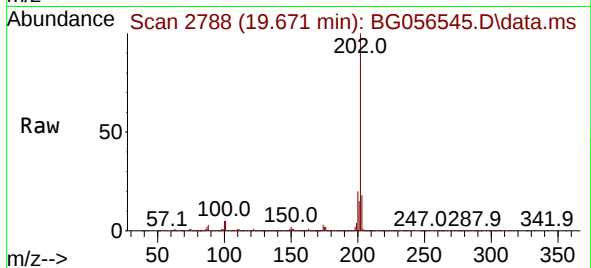
203 18.0 0.0 38.1

Manual Integrations

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Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.927 min Scan# 3172

Delta R.T. 0.003 min

Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

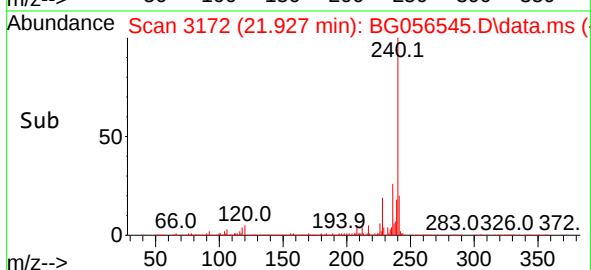
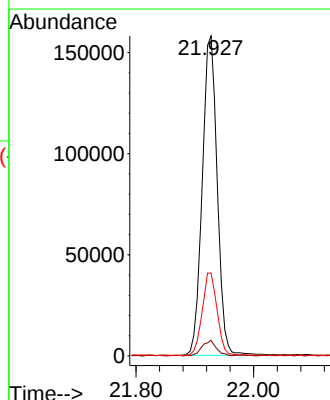
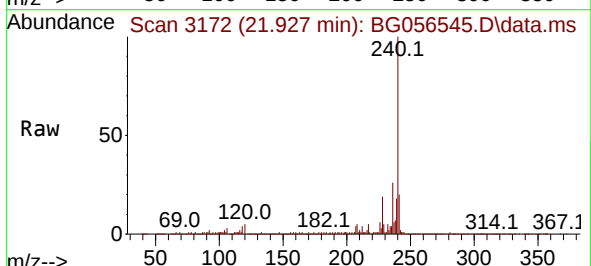
Tgt Ion:240 Resp: 279602

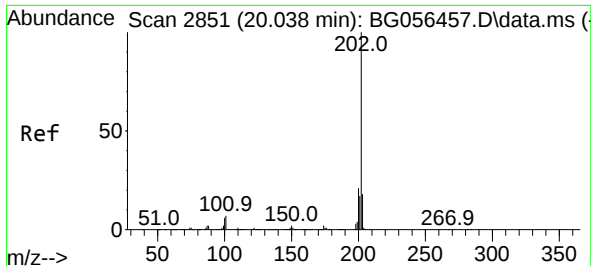
Ion Ratio Lower Upper

240 100

120 4.9 3.8 5.8

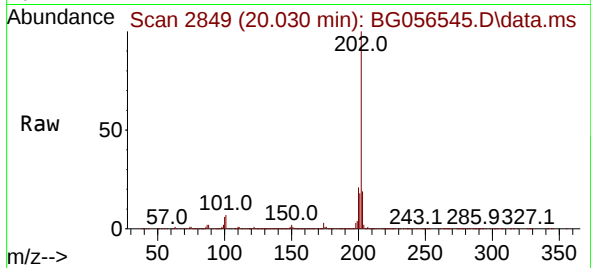
236 25.9 20.2 30.2





#78
Pyrene
Concen: 31.517 ng
RT: 20.030 min Scan# 2851
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

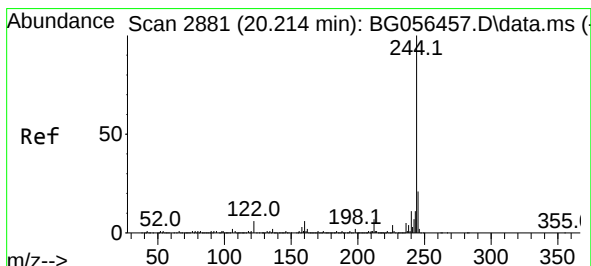
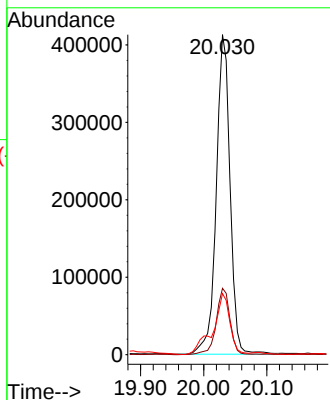
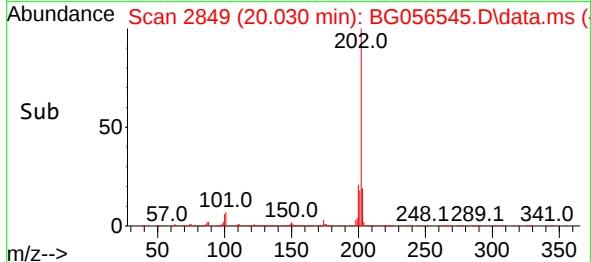
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



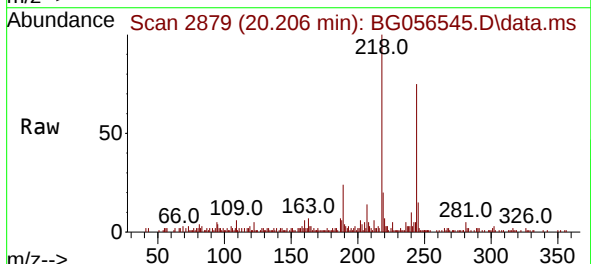
Tgt Ion:202 Resp: 62674
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 19.1 14.4 21.6

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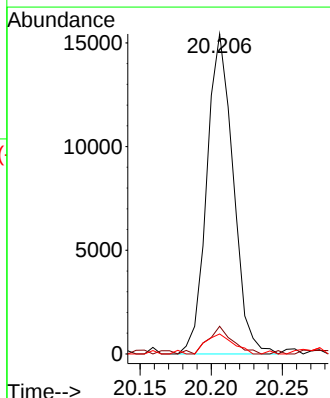
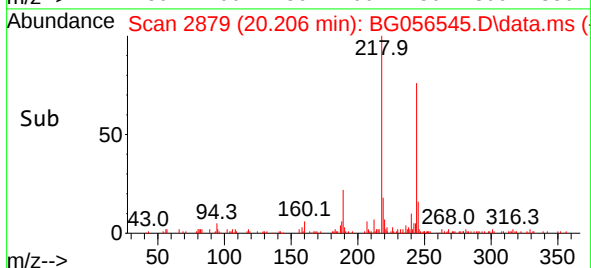
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

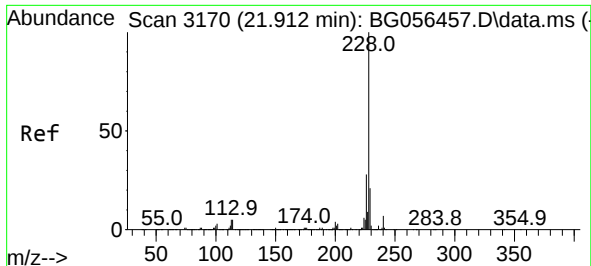


#79
Terphenyl-d14
Concen: 1.250 ng
RT: 20.206 min Scan# 2879
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



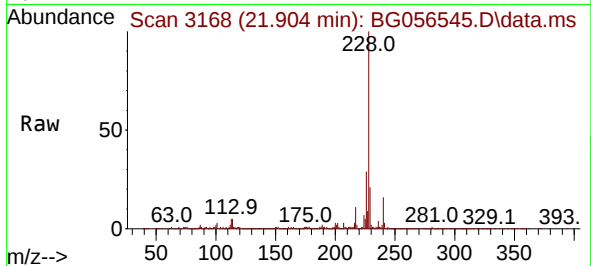
Tgt Ion:244 Resp: 19902
Ion Ratio Lower Upper
244 100
212 8.6 5.5 8.3#
122 6.3 4.4 6.6





#81
Benzo(a)anthracene
Concen: 17.069 ng
RT: 21.904 min Scan# 3170
Delta R.T. 0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

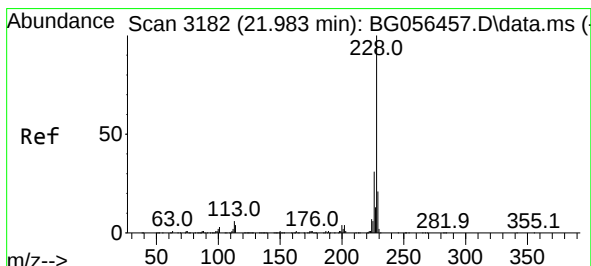
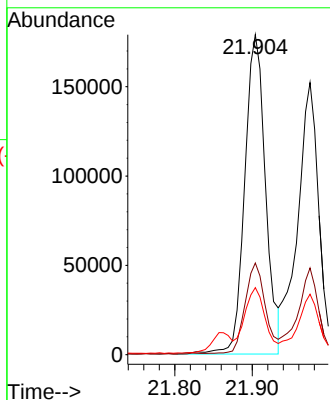
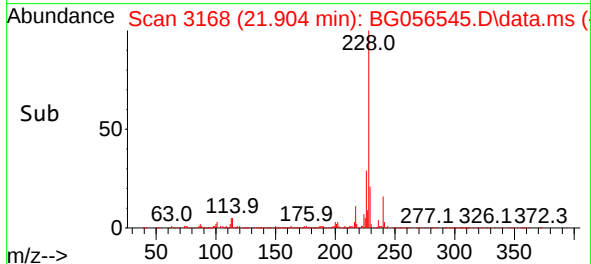
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



Tgt Ion:228 Resp: 33365
Ion Ratio Lower Upper
228 100
226 28.7 22.4 33.6
229 20.9 16.5 24.7

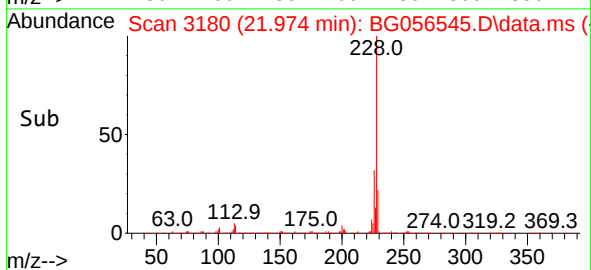
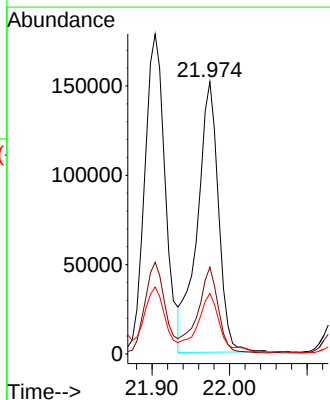
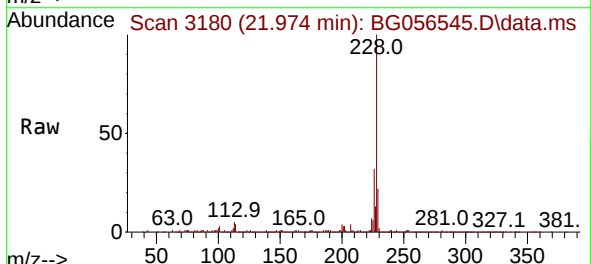
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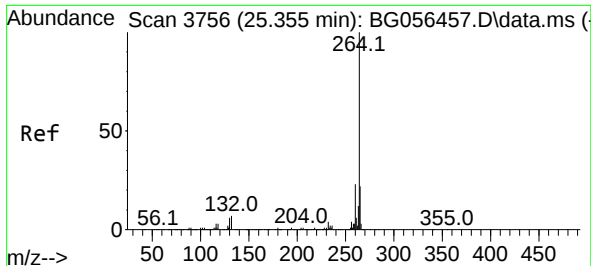
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#83
Chrysene
Concen: 15.681 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

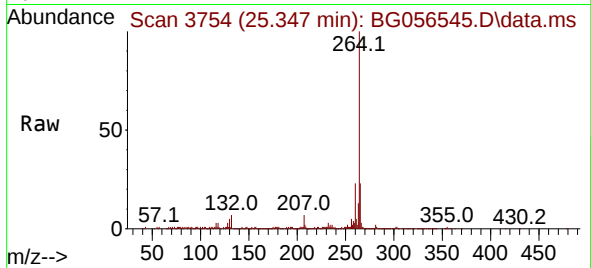
Tgt Ion:228 Resp: 287970
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 22.2 16.4 24.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.347 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BG056545.D
 Acq: 3 Feb 2023 19:15

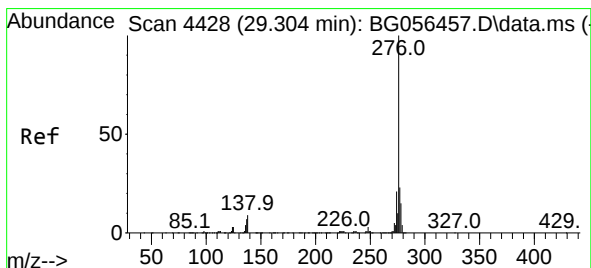
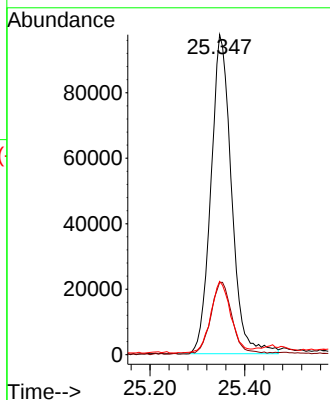
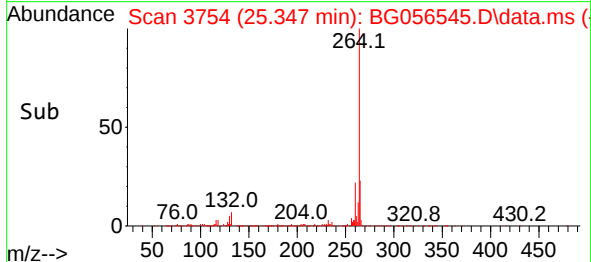
Instrument :
 BNA_G
 ClientSampleId :
 JPP-6-013123DL



Tgt Ion:264 Resp: 294018
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.4
 265 22.9 18.1 27.1

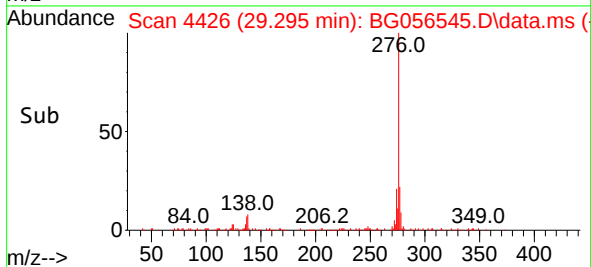
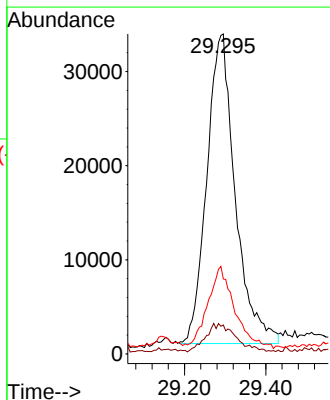
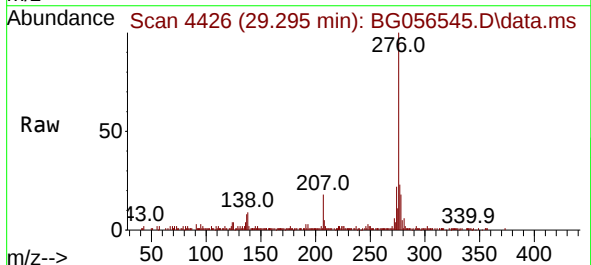
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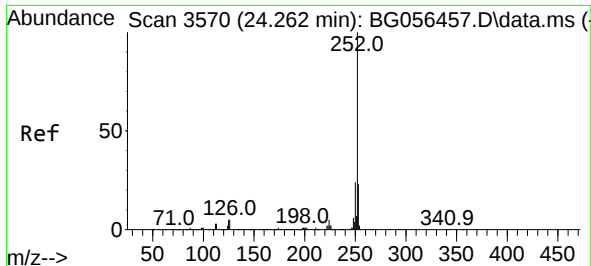
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.431 ng
 RT: 29.295 min Scan# 4426
 Delta R.T. 0.015 min
 Lab File: BG056545.D
 Acq: 3 Feb 2023 19:15

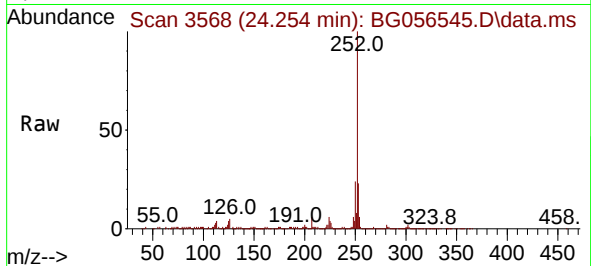
Tgt Ion:276 Resp: 159925
 Ion Ratio Lower Upper
 276 100
 138 0.0 9.4 14.2#
 277 25.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 22.010 ng
RT: 24.254 min Scan# 3568
Delta R.T. 0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15

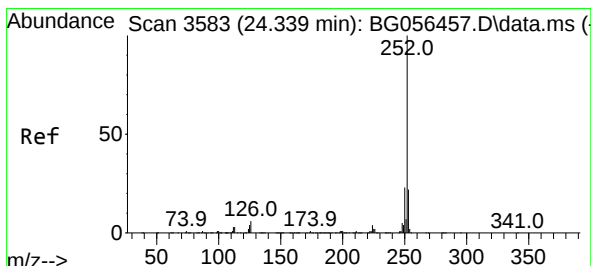
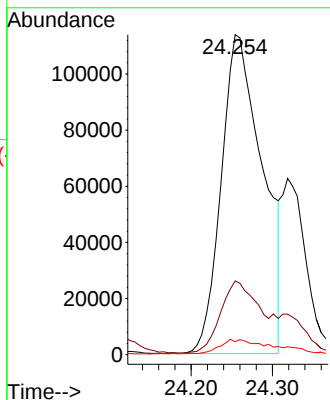
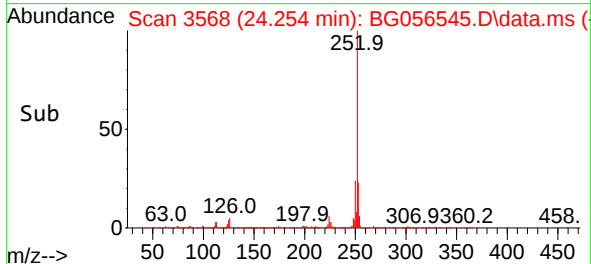
Instrument :
BNA_G
ClientSampleId :
JPP-6-013123DL



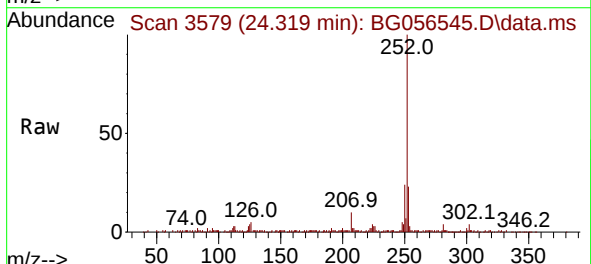
Tgt Ion:252 Resp: 40167
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 4.1 3.9 5.9

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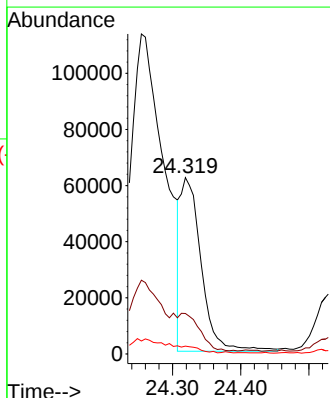
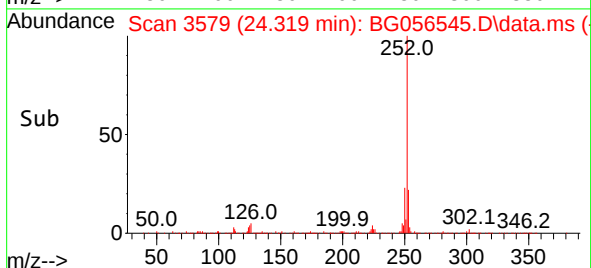
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

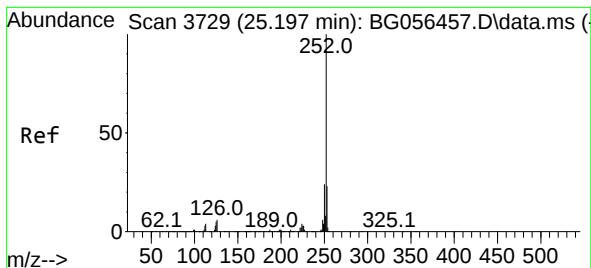


#89
Benzo(k)fluoranthene
Concen: 7.093 ng m
RT: 24.319 min Scan# 3579
Delta R.T. -0.003 min
Lab File: BG056545.D
Acq: 3 Feb 2023 19:15



Tgt Ion:252 Resp: 130684
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 4.4 3.4 5.0





#90

Benzo(a)pyrene

Concen: 16.779 ng

RT: 25.194 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

Instrument :

BNA_G

ClientSampleId :

JPP-6-013123DL

Tgt Ion:252 Resp: 301640

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

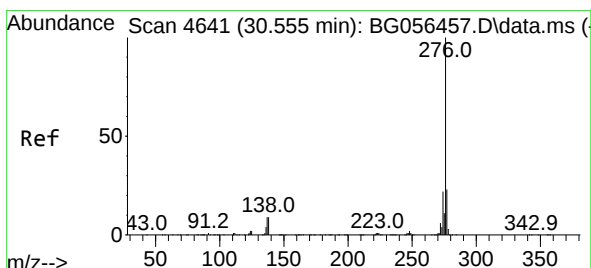
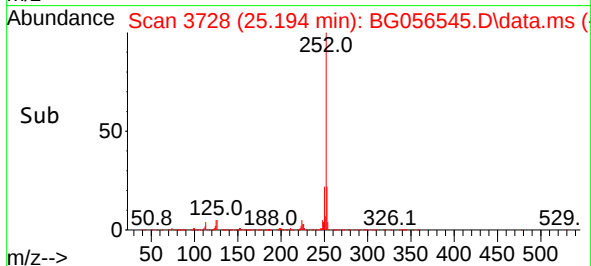
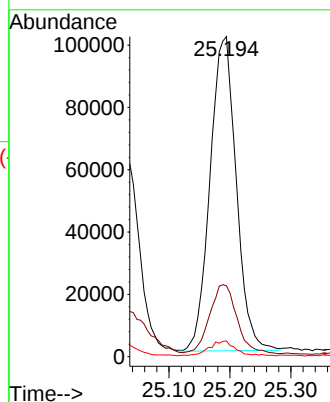
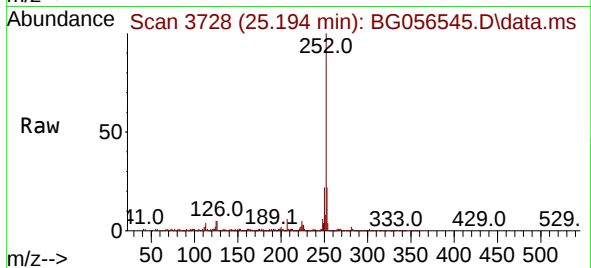
125 4.9 4.1 6.1

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Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#92

Benzo(g,h,i)perylene

Concen: 8.767 ng

RT: 30.529 min Scan# 4636

Delta R.T. 0.003 min

Lab File: BG056545.D

Acq: 3 Feb 2023 19:15

Tgt Ion:276 Resp: 152824

Ion Ratio Lower Upper

276 100

277 22.9 18.5 27.7

138 8.3 7.4 11.0

