

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055068.D
 Acq On : 4 Oct 2022 18:15
 Operator : CG/JU
 Sample : N4907-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-092922DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 04 20:01:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	35291	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	149985	20.000	ng	0.00
39) Acenaphthene-d10	14.950	164	100779	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	204351	20.000	ng	0.00
76) Chrysene-d12	21.983	240	192520	20.000	ng	0.00
86) Perylene-d12	25.438	264	211030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	42920	27.013	ng	0.00
7) Phenol-d6	7.465	99	60194	25.285	ng	0.00
23) Nitrobenzene-d5	9.510	82	36798	14.660	ng	0.00
42) 2,4,6-Tribromophenol	16.419	330	24575	28.625	ng	0.00
45) 2-Fluorobiphenyl	13.575	172	100025	15.494	ng	0.00
79) Terphenyl-d14	20.256	244	153750	16.142	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.225	128	18790	2.374	ng	# 94
37) 2-Methylnaphthalene	12.806	142	12886	2.209	ng	93
38) 1-Methylnaphthalene	13.017	142	13107	2.310	ng	93
52) Acenaphthene	15.015	154	16672	2.912	ng	97
55) Dibenzofuran	15.338	168	31124	3.408	ng	98
58) Fluorene	15.984	166	39263	5.372	ng	96
71) Phenanthrene	17.724	178	349222	32.533	ng	98
72) Anthracene	17.818	178	68951	6.604	ng	99
73) Carbazole	18.076	167	32683	3.567	ng	99
75) Fluoranthene	19.715	202	362328	27.057	ng	98
78) Pyrene	20.074	202	321484	25.113	ng	98
81) Benzo(a)anthracene	21.960	228	157532	12.881	ng	98
83) Chrysene	22.030	228	138415	11.743	ng	97
87) Indeno(1,2,3-cd)pyrene	29.422	276	77744	5.105	ng	# 93
88) Benzo(b)fluoranthene	24.339	252	165560	13.315	ng	97
89) Benzo(k)fluoranthene	24.398	252	63966m	5.106	ng	
90) Benzo(a)pyrene	25.273	252	127623	11.976	ng	97
92) Benzo(g,h,i)perylene	30.650	276	75167	6.053	ng	95

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

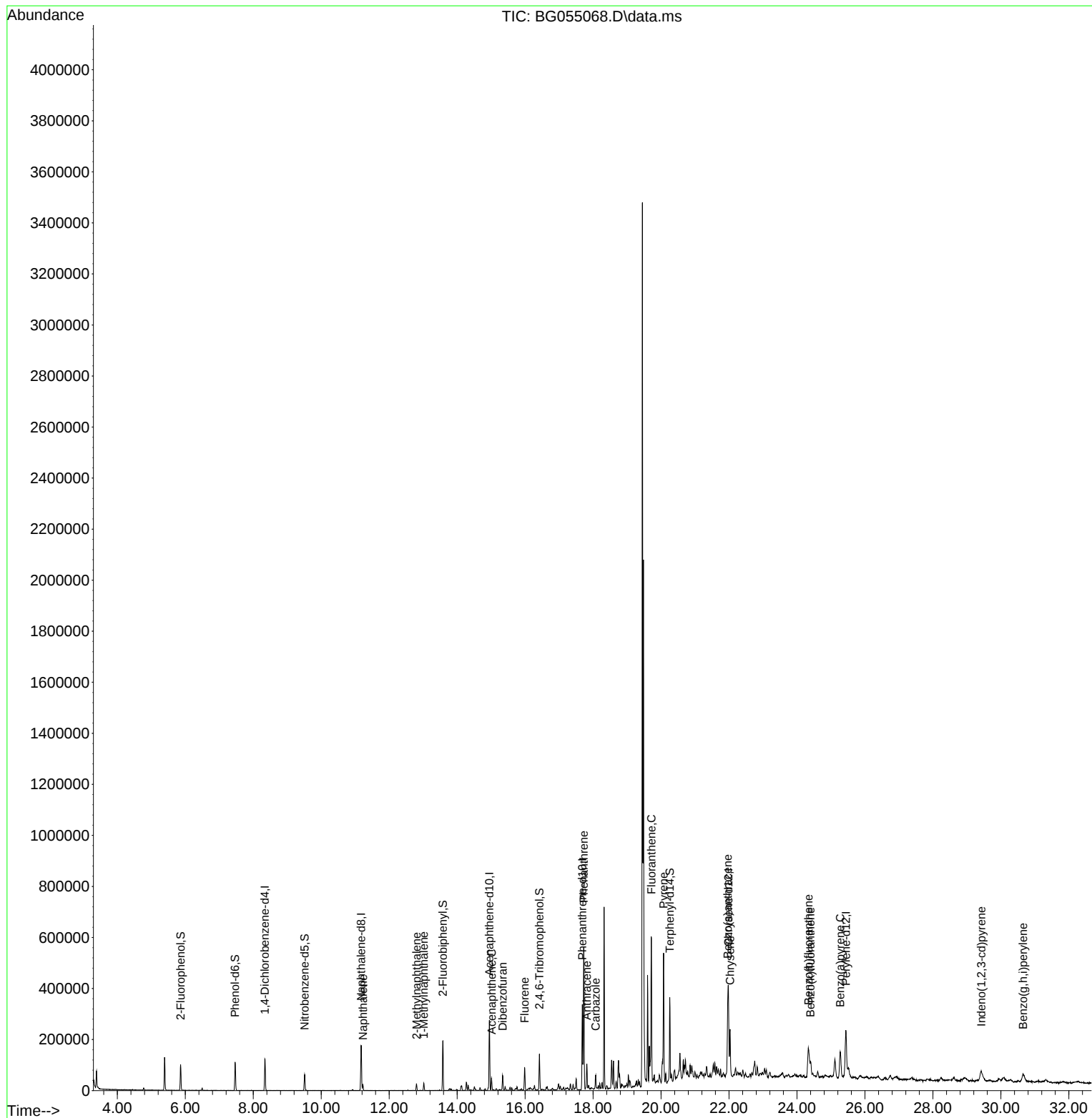
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
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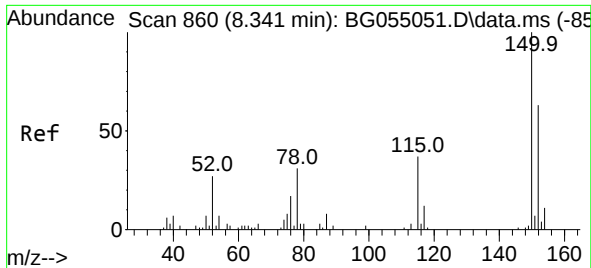
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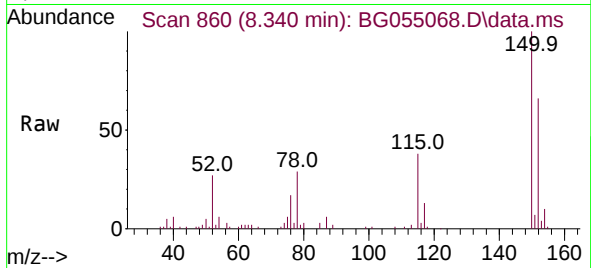
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

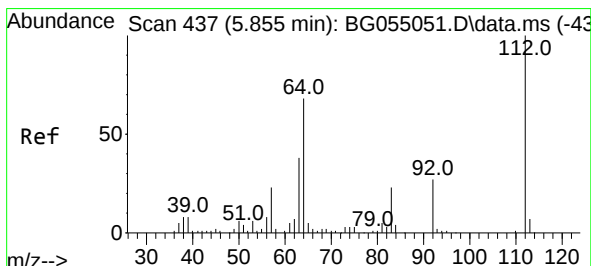
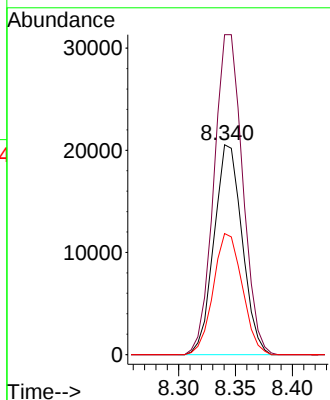
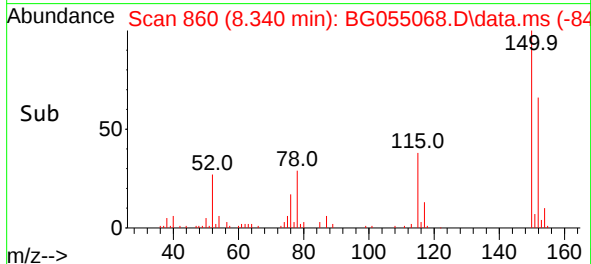
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



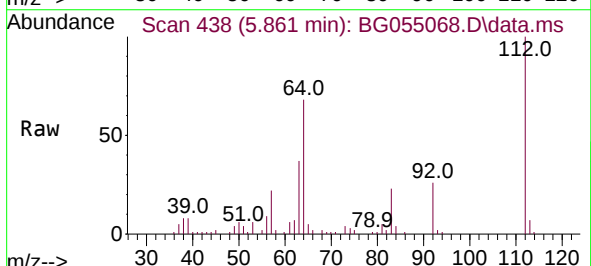
Tgt Ion:152 Resp: 35291
Ion Ratio Lower Upper
152 100
150 152.5 128.0 192.0
115 57.7 47.7 71.5

Manual Integrations
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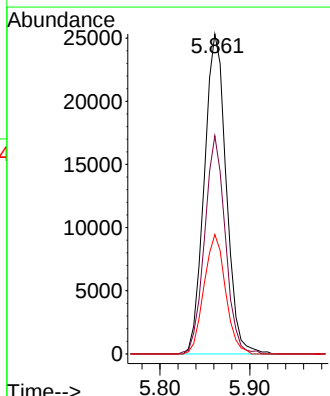
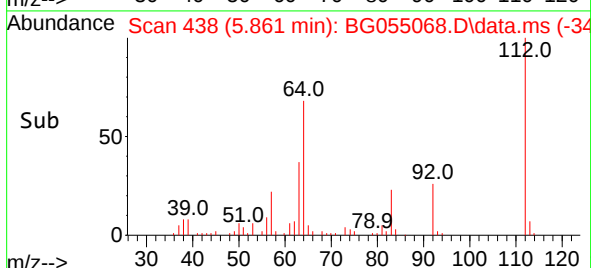
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

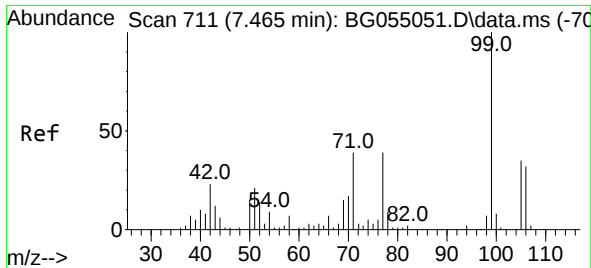


#5
2-Fluorophenol
Concen: 27.013 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



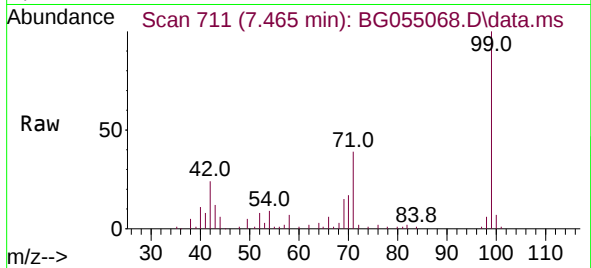
Tgt Ion:112 Resp: 42920
Ion Ratio Lower Upper
112 100
64 68.2 54.5 81.7
63 37.3 30.5 45.7





#7
Phenol-d6
Concen: 25.285 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

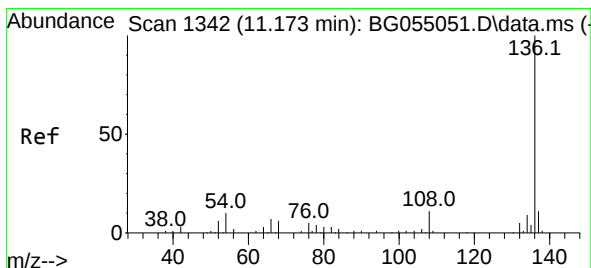
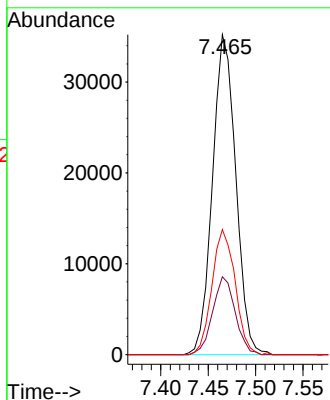
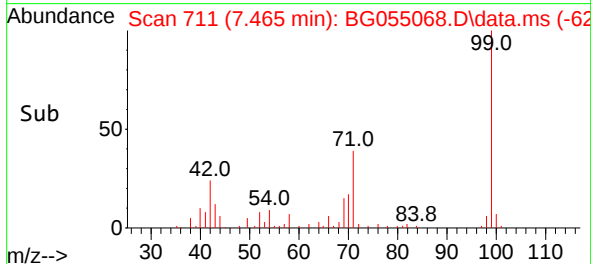
Instrument :
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SU-03-092922DL



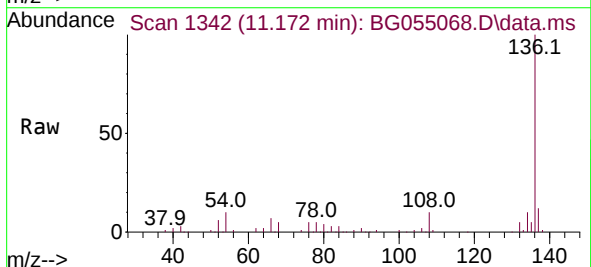
Tgt Ion: 99 Resp: 60194
Ion Ratio Lower Upper
99 100
42 24.3 18.6 28.0
71 39.1 31.2 46.8

Manual Integrations
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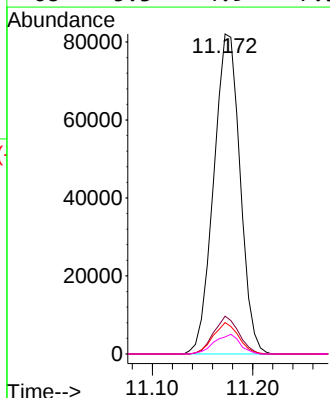
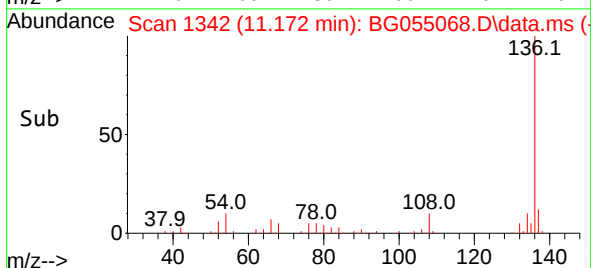
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

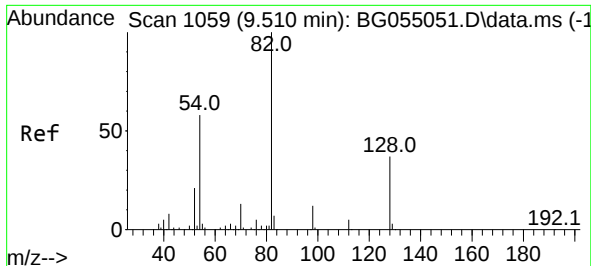


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



Tgt Ion:136 Resp: 149985
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 9.8 8.2 12.4
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 14.660 ng

RT: 9.510 min Scan# 1059

Delta R.T. -0.000 min

Lab File: BG055068.D

Acq: 4 Oct 2022 18:15

Instrument :

BNA_G

ClientSampleId :

SU-03-092922DL

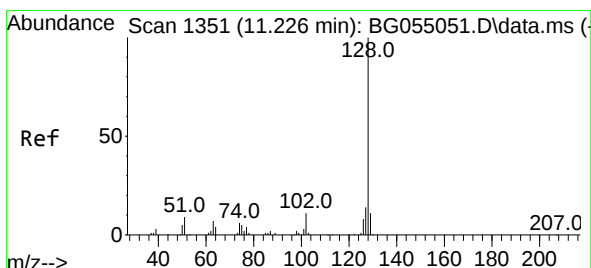
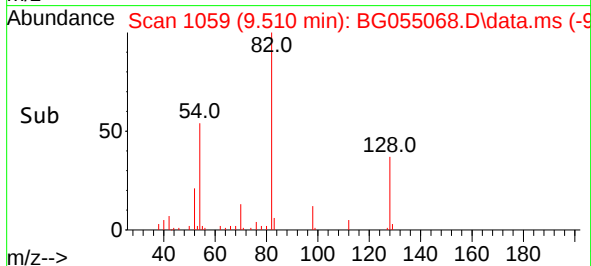
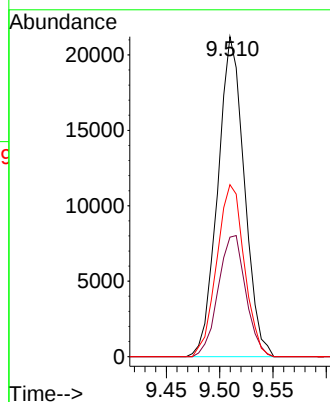
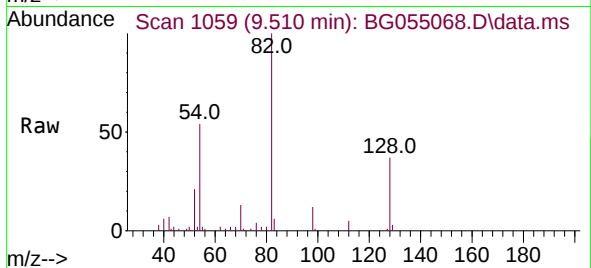
Tgt Ion: 82 Resp: 36798

Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.5	44.3
54	53.7	46.7	70.1

Manual Integrations

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Supervised By :mohammad ahmed 10/06/2022



#31

Naphthalene

Concen: 2.374 ng

RT: 11.225 min Scan# 1351

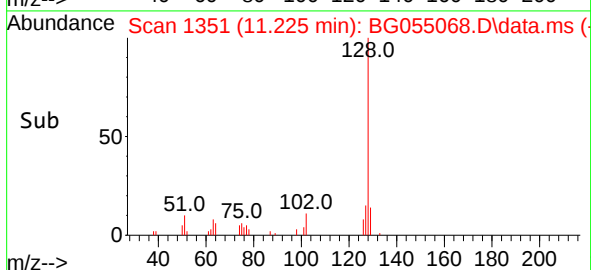
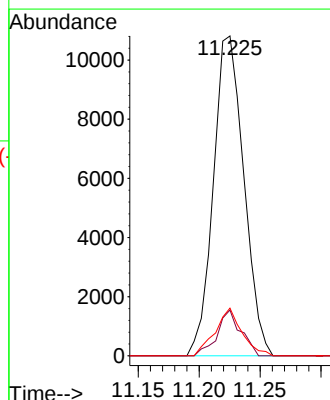
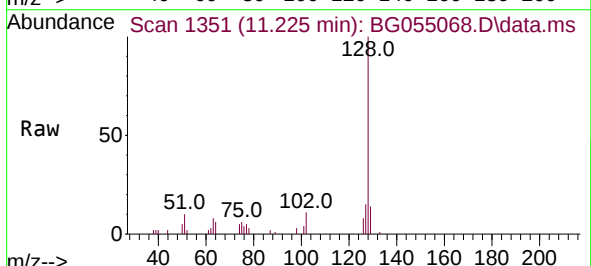
Delta R.T. -0.001 min

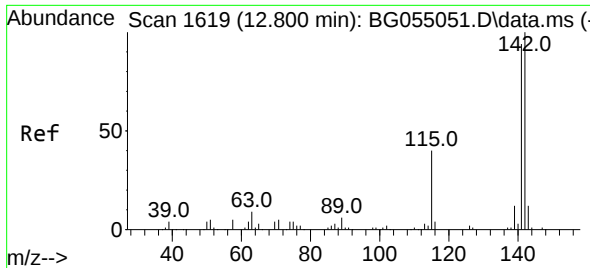
Lab File: BG055068.D

Acq: 4 Oct 2022 18:15

Tgt Ion:128 Resp: 18790

Ion	Ratio	Lower	Upper
128	100		
129	14.3	8.7	13.1
127	14.9	10.9	16.3





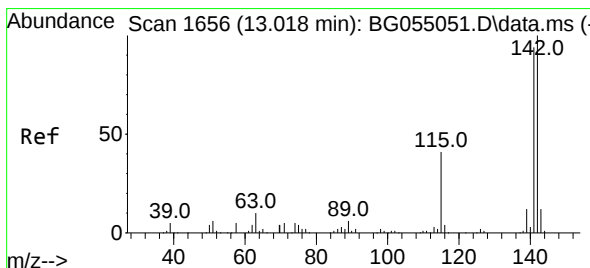
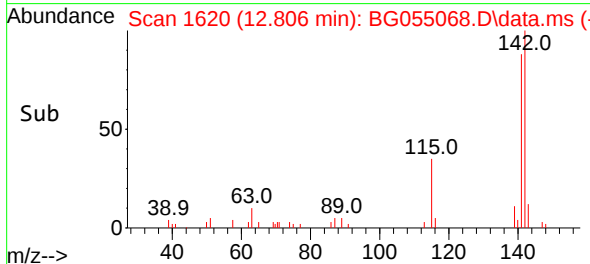
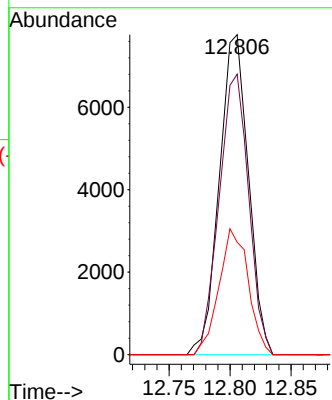
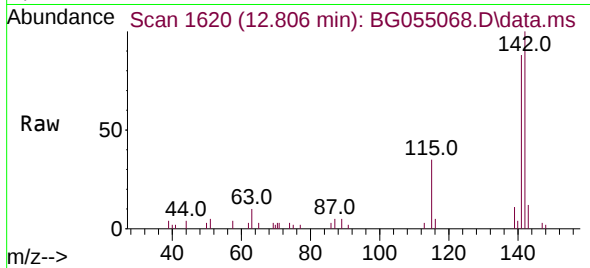
#37
2-Methylnaphthalene
Concen: 2.209 ng
RT: 12.806 min Scan# 1620
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL

Tgt Ion:142 Resp: 12886
Ion Ratio Lower Upper
142 100
141 87.7 75.0 112.4
115 35.1 31.7 47.5

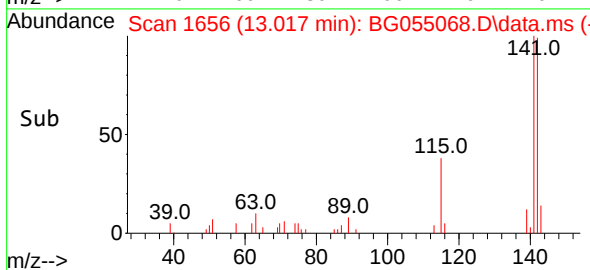
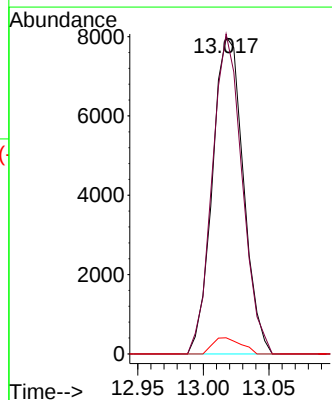
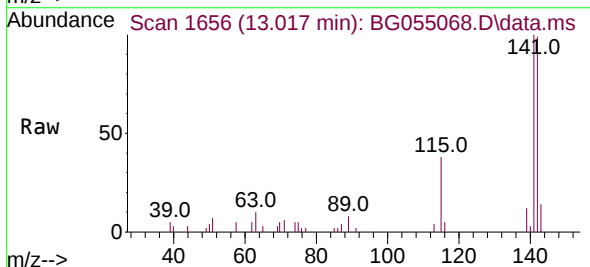
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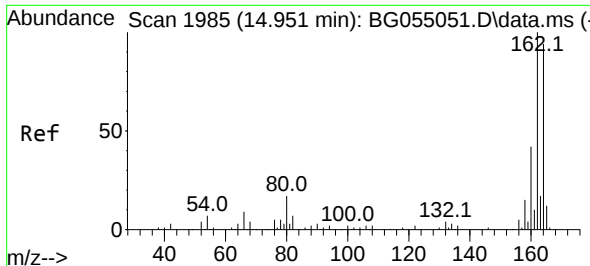
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#38
1-Methylnaphthalene
Concen: 2.310 ng
RT: 13.017 min Scan# 1656
Delta R.T. -0.001 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Tgt Ion:142 Resp: 13107
Ion Ratio Lower Upper
142 100
141 100.9 75.5 113.3
116 5.1 3.4 5.2





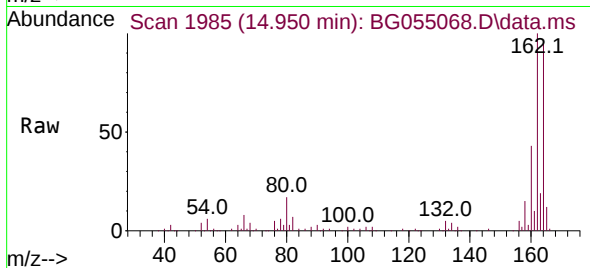
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Instrument :

BNA_G

ClientSampleId :

SU-03-092922DL

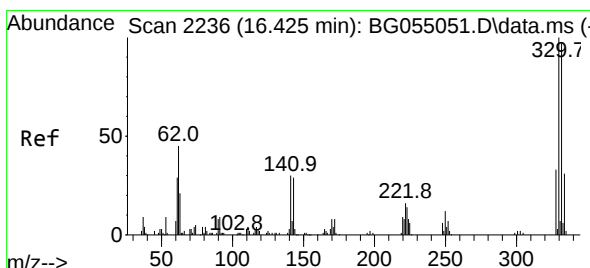
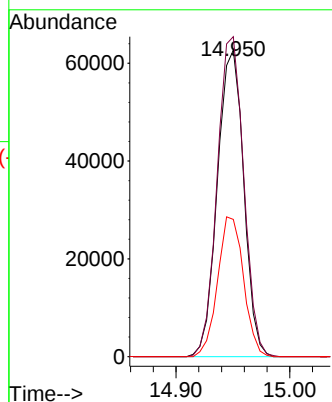
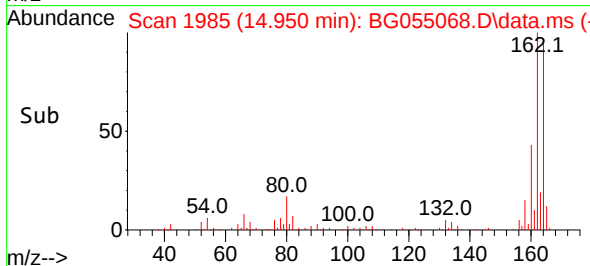


Tgt Ion:164 Resp: 100779
Ion Ratio Lower Upper
164 100
162 104.4 85.5 128.3
160 44.7 35.5 53.3

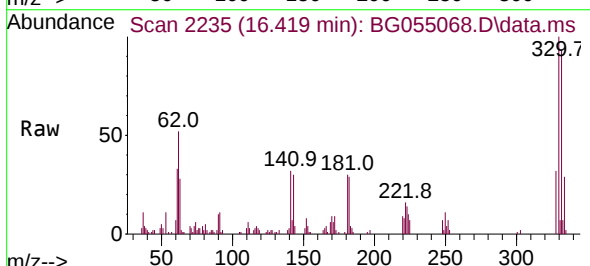
Manual Integrations

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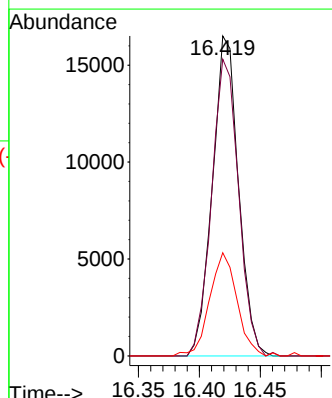
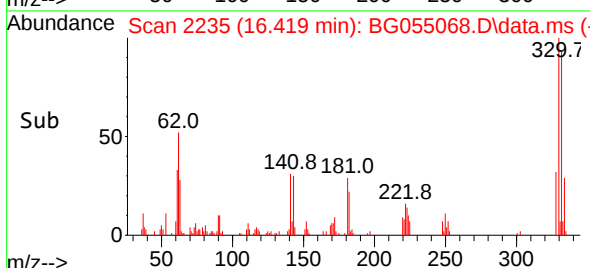
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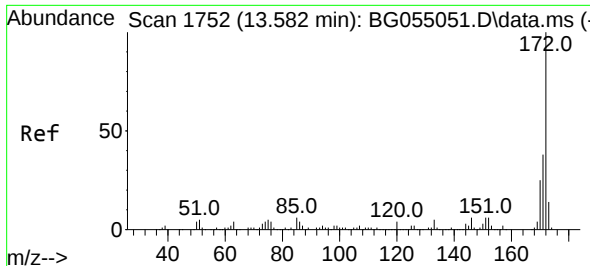


#42
2,4,6-Tribromophenol
Concen: 28.625 ng
RT: 16.419 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



Tgt Ion:330 Resp: 24575
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 33.8 25.0 37.4





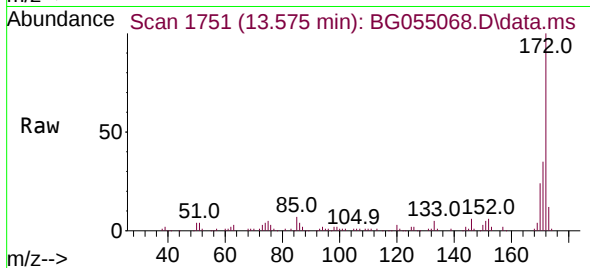
#45
2-Fluorobiphenyl
Concen: 15.494 ng
RT: 13.575 min Scan# 1752
Delta R.T. -0.007 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Instrument :

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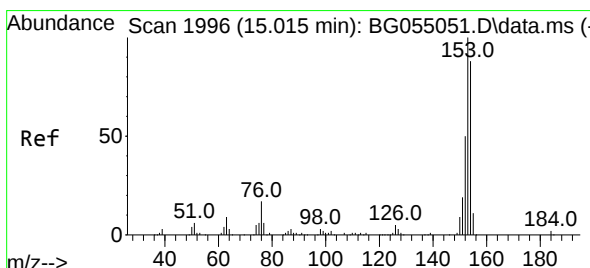
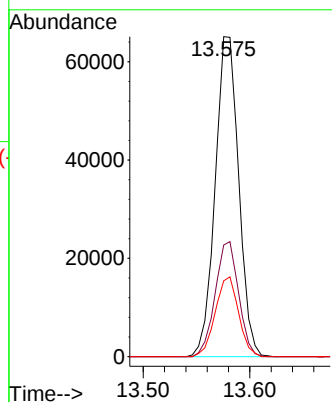
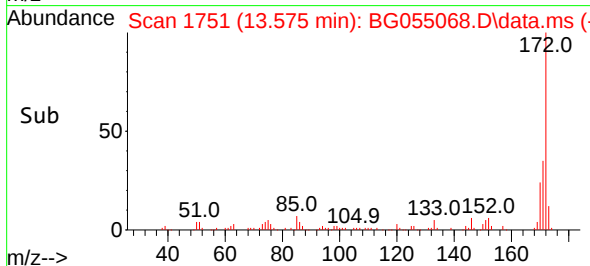


Tgt Ion:172 Resp: 100025
Ion Ratio Lower Upper
172 100
171 34.9 30.1 45.1
170 23.7 20.0 30.0

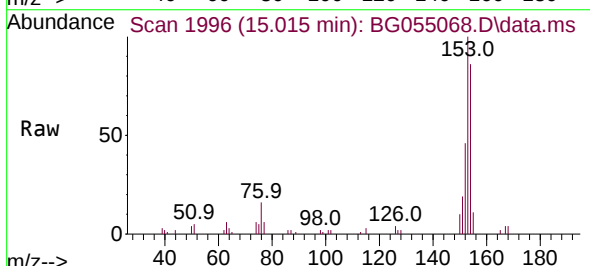
Manual Integrations

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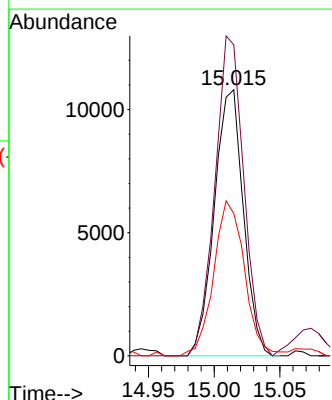
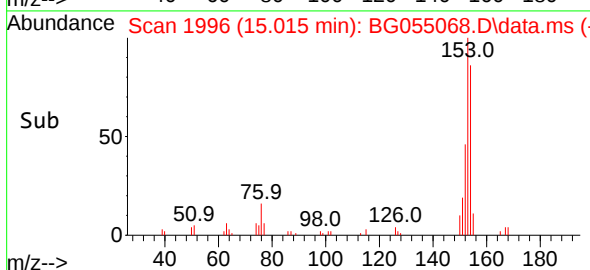
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

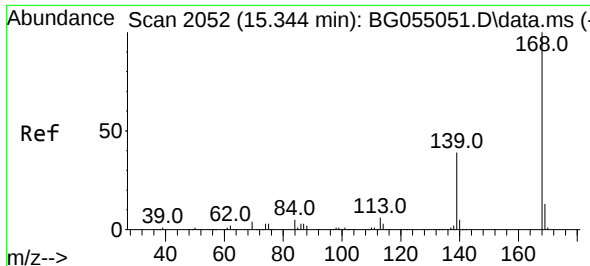


#52
Acenaphthene
Concen: 2.912 ng
RT: 15.015 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



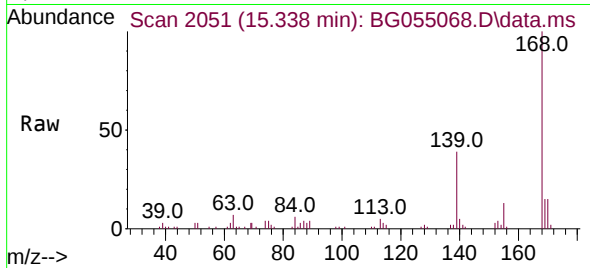
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Ion Ratio Lower Upper
154 100
153 116.9 91.4 137.0
152 53.5 45.3 67.9





#55
Dibenzofuran
Concen: 3.408 ng
RT: 15.338 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

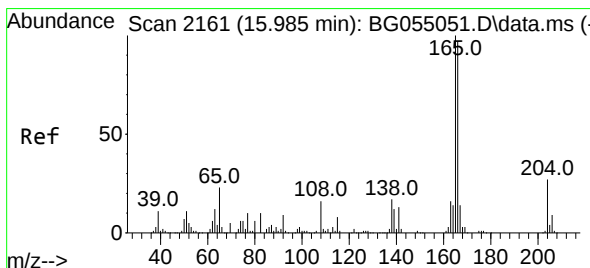
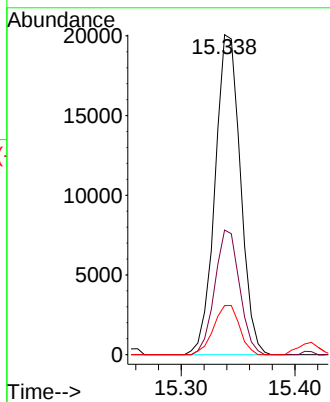
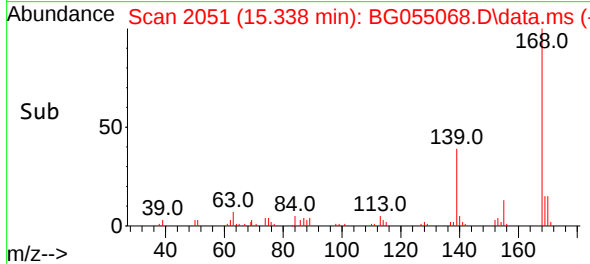
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



Tgt Ion:168 Resp: 31124
Ion Ratio Lower Upper
168 100
139 38.9 31.0 46.4
169 15.3 10.6 16.0

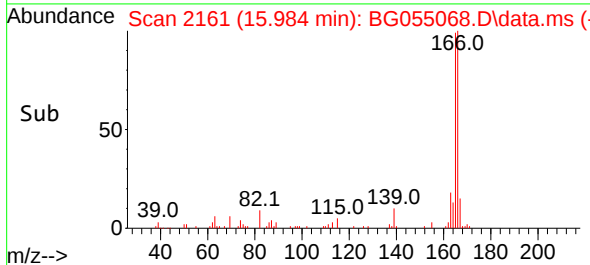
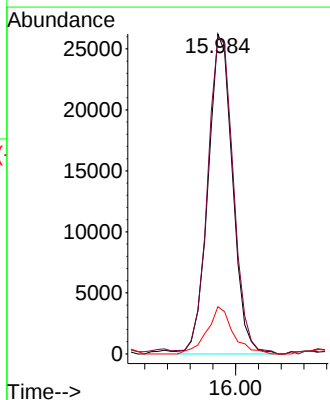
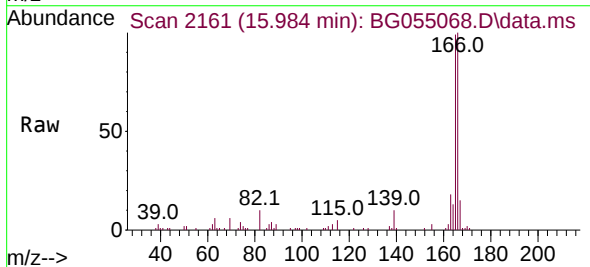
Manual Integrations
APPROVED

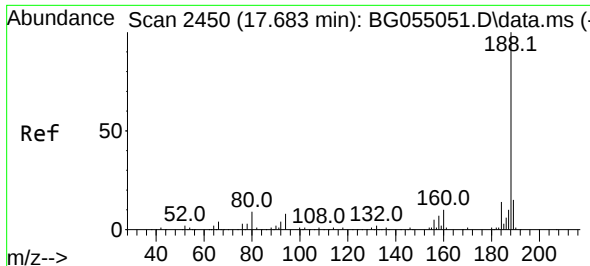
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#58
Fluorene
Concen: 5.372 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Tgt Ion:166 Resp: 39263
Ion Ratio Lower Upper
166 100
165 98.9 82.6 123.8
167 14.7 11.8 17.8





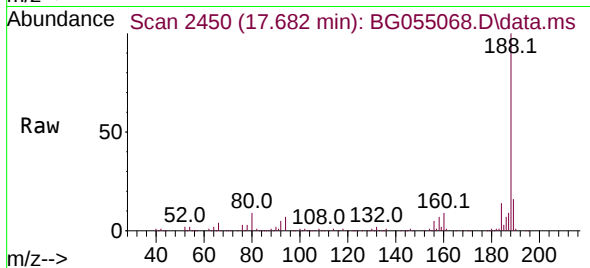
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Instrument :

BNA_G

ClientSampleId :

SU-03-092922DL

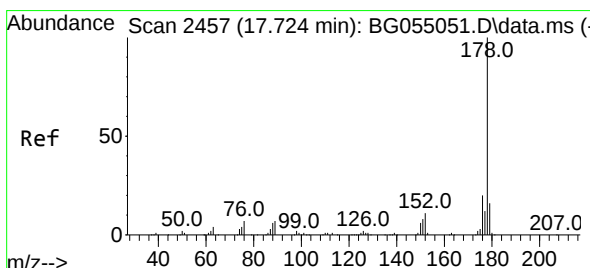
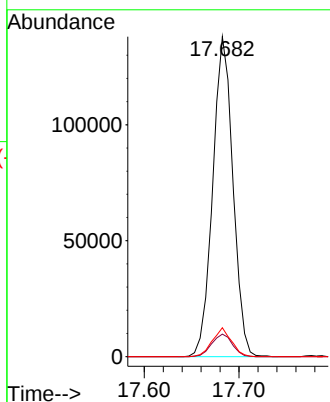
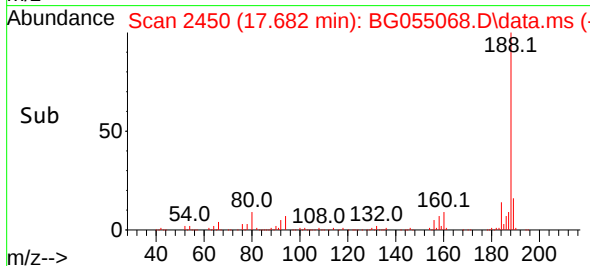


Tgt Ion:188 Resp: 204351
Ion Ratio Lower Upper
188 100
94 7.0 6.2 9.2
80 9.0 7.2 10.8

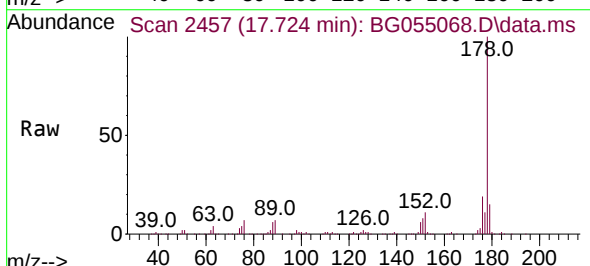
Manual Integrations

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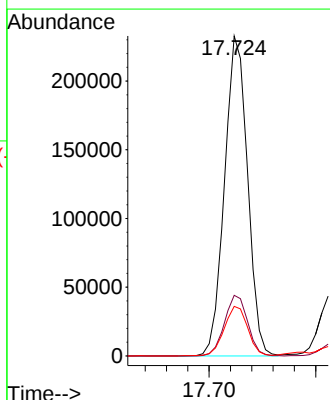
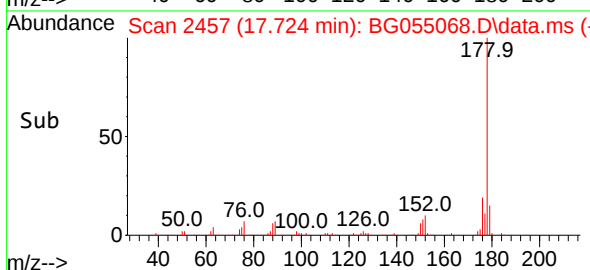
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

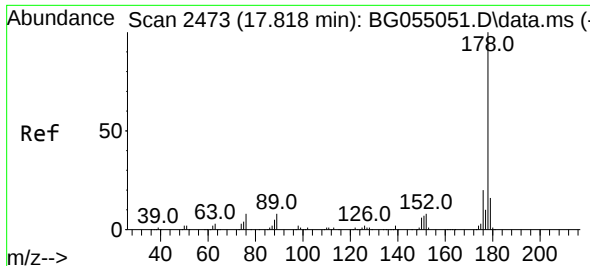


#71
Phenanthrene
Concen: 32.533 ng
RT: 17.724 min Scan# 2457
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



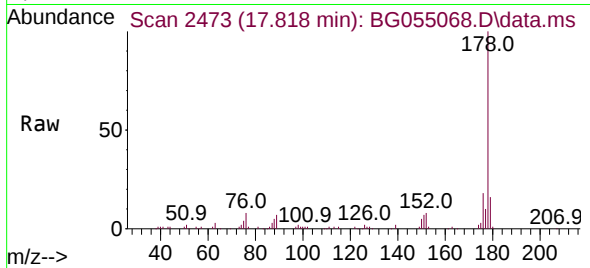
Tgt Ion:178 Resp: 349222
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.5 13.2 19.8





#72
 Anthracene
 Concen: 6.604 ng
 RT: 17.818 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BG055068.D
 Acq: 4 Oct 2022 18:15

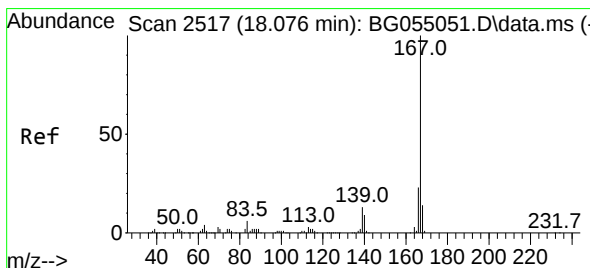
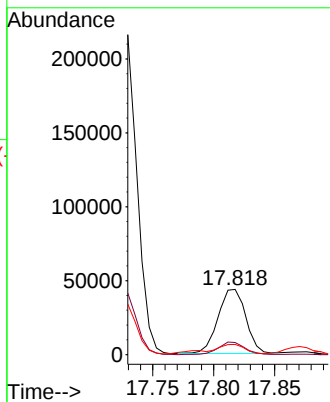
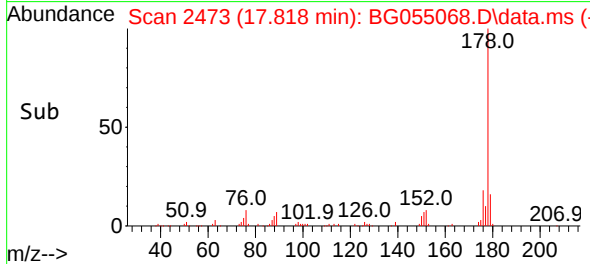
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-092922DL



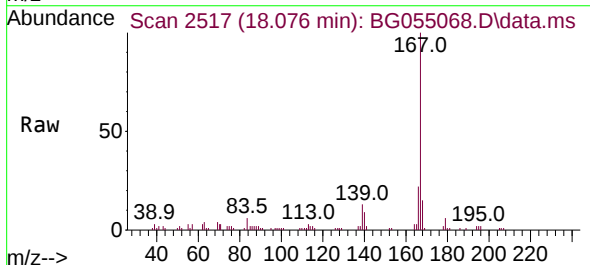
Tgt Ion:178 Resp: 6895
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.6 12.5 18.7

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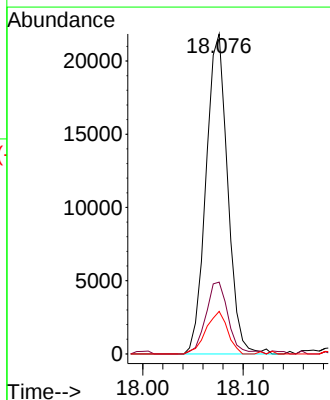
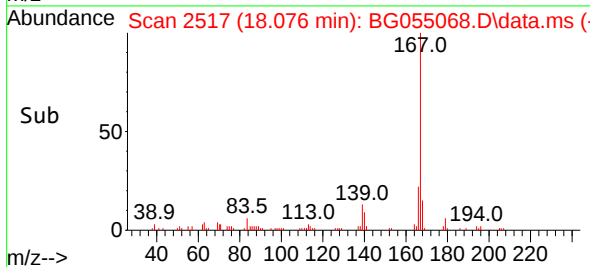
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

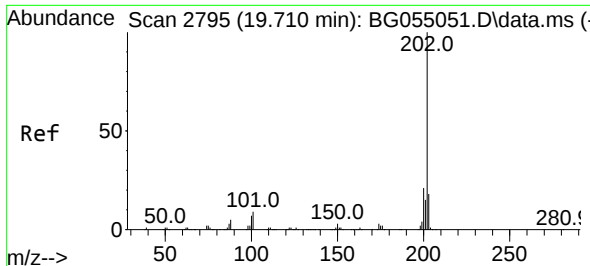


#73
 Carbazole
 Concen: 3.567 ng
 RT: 18.076 min Scan# 2517
 Delta R.T. -0.000 min
 Lab File: BG055068.D
 Acq: 4 Oct 2022 18:15



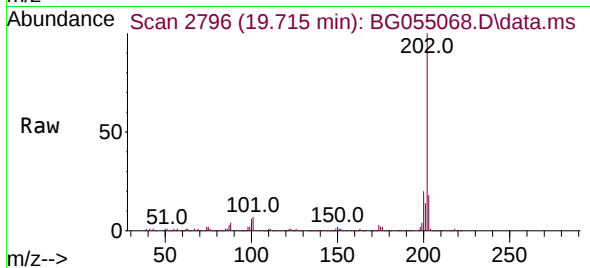
Tgt Ion:167 Resp: 32683
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.2
 139 13.3 10.2 15.4





#75
Fluoranthene
Concen: 27.057 ng
RT: 19.715 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

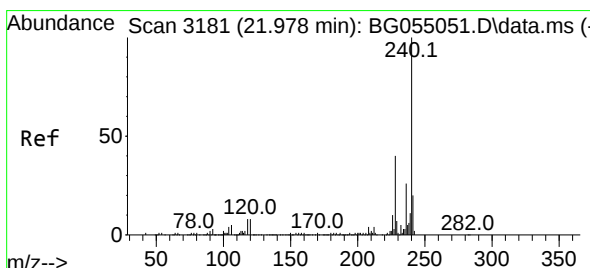
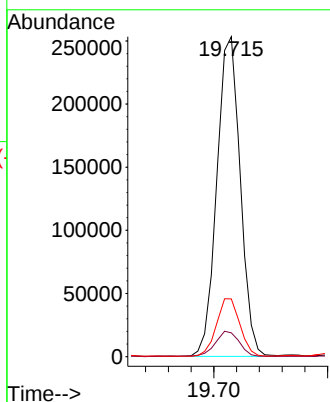
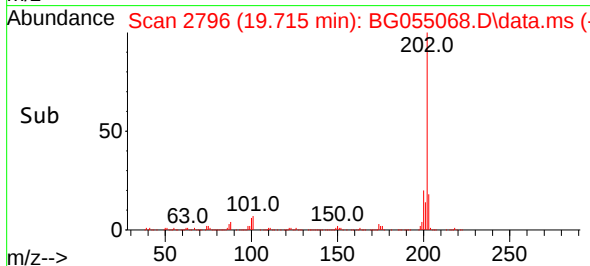
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



Tgt Ion:202 Resp: 362328
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.9
203 18.0 0.0 37.7

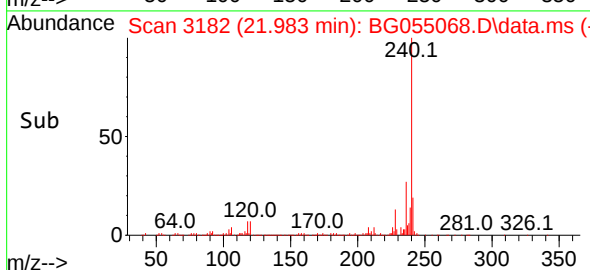
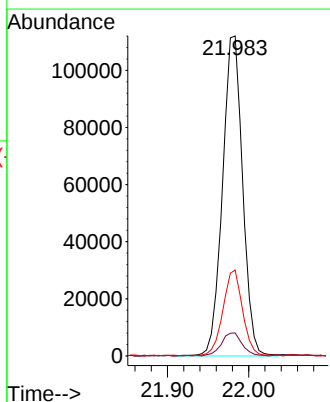
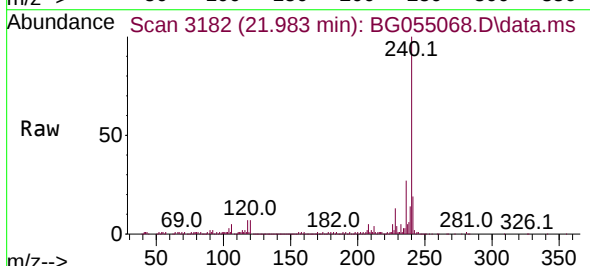
Manual Integrations
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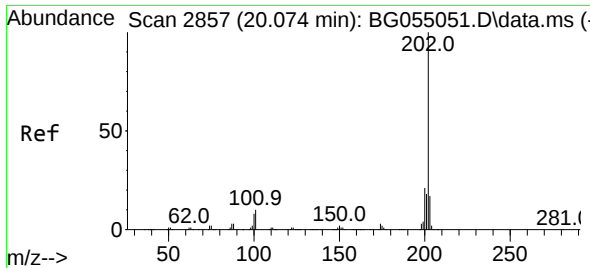
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.983 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

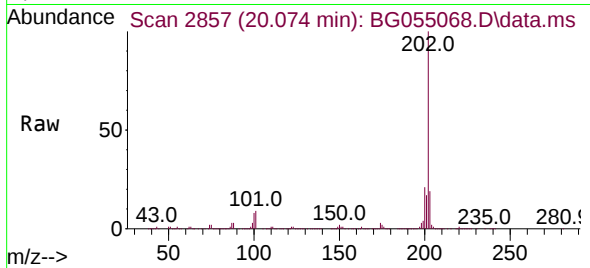
Tgt Ion:240 Resp: 192520
Ion Ratio Lower Upper
240 100
120 7.2 6.2 9.4
236 26.8 20.6 30.8





#78
 Pyrene
 Concen: 25.113 ng
 RT: 20.074 min Scan# 2857
 Delta R.T. -0.000 min
 Lab File: BG055068.D
 Acq: 4 Oct 2022 18:15

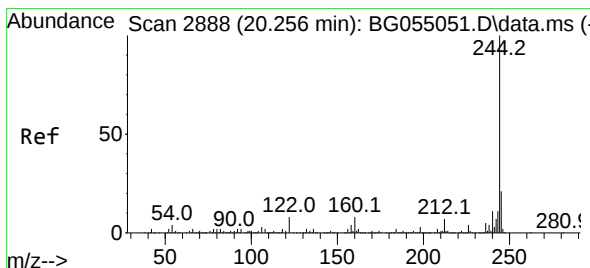
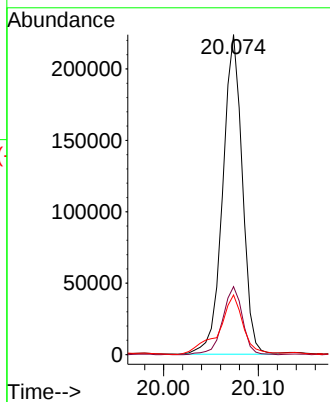
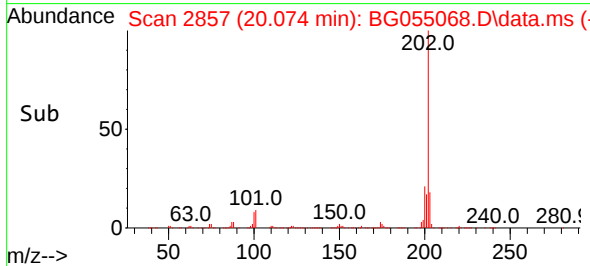
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-092922DL



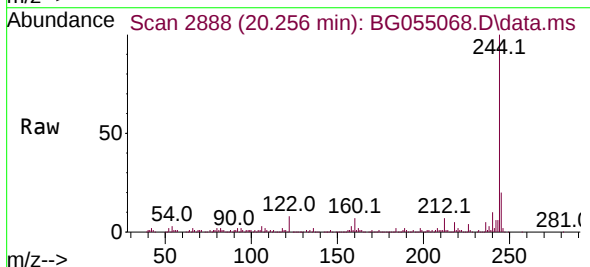
Tgt Ion:202 Resp: 321484
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 18.7 14.0 21.0

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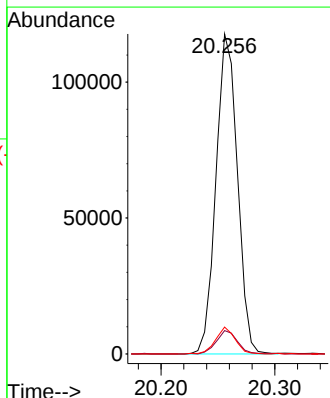
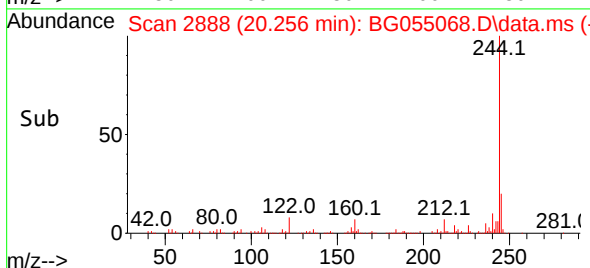
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

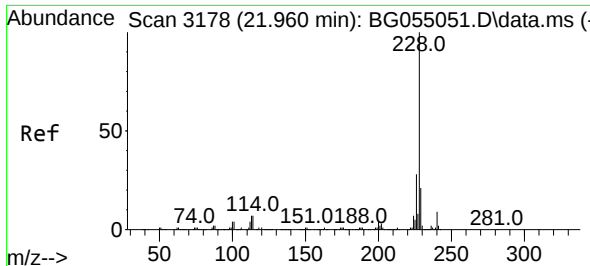


#79
 Terphenyl-d14
 Concen: 16.142 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.000 min
 Lab File: BG055068.D
 Acq: 4 Oct 2022 18:15



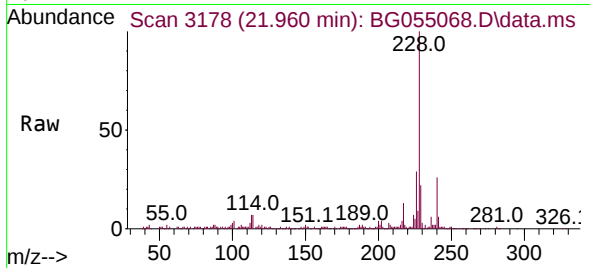
Tgt Ion:244 Resp: 153750
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 8.4 6.6 10.0





#81
Benzo(a)anthracene
Concen: 12.881 ng
RT: 21.960 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

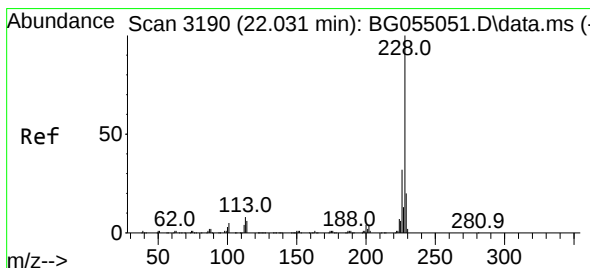
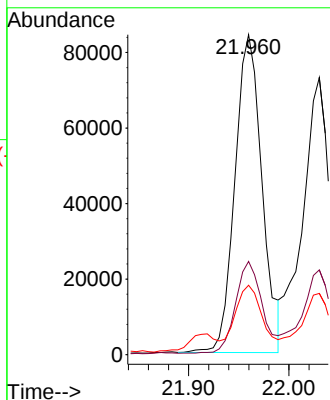
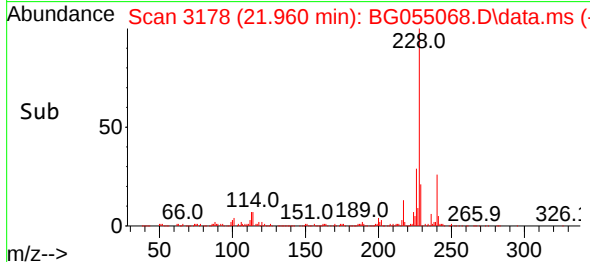
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



Tgt Ion:228 Resp: 157532
Ion Ratio Lower Upper
228 100
226 29.1 22.4 33.6
229 21.7 16.7 25.1

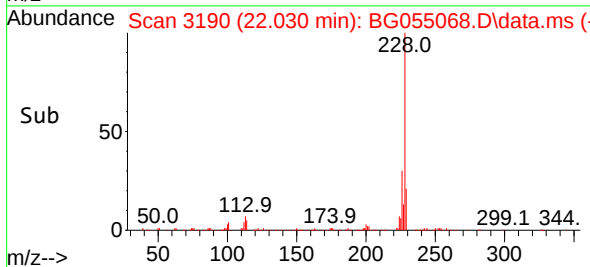
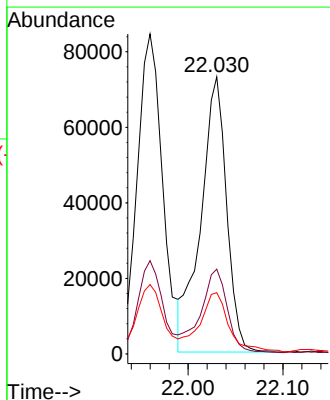
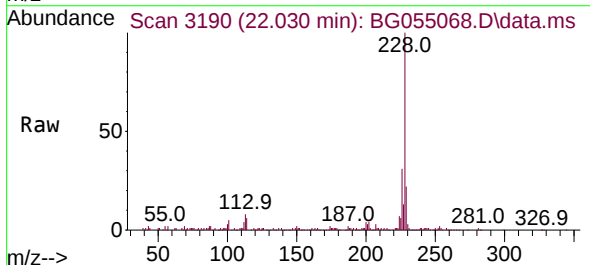
Manual Integrations
APPROVED

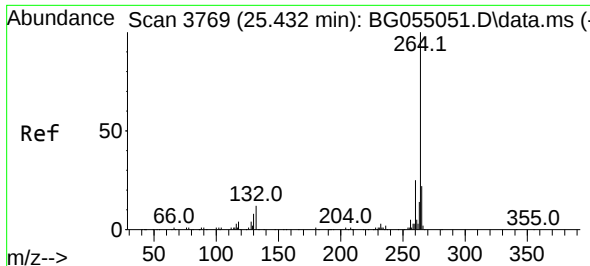
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#83
Chrysene
Concen: 11.743 ng
RT: 22.030 min Scan# 3190
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Tgt Ion:228 Resp: 138415
Ion Ratio Lower Upper
228 100
226 30.6 25.3 37.9
229 22.1 16.1 24.1





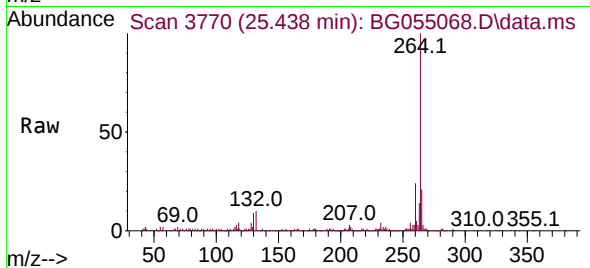
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.438 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

Instrument :

BNA_G

ClientSampleId :

SU-03-092922DL

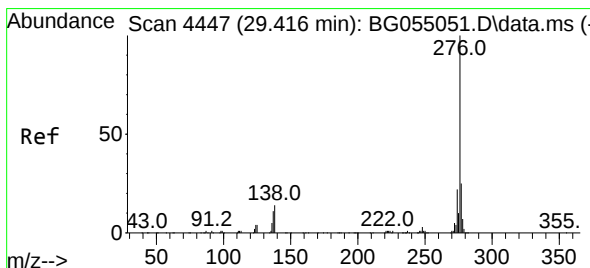
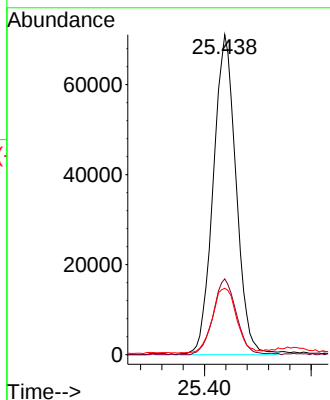
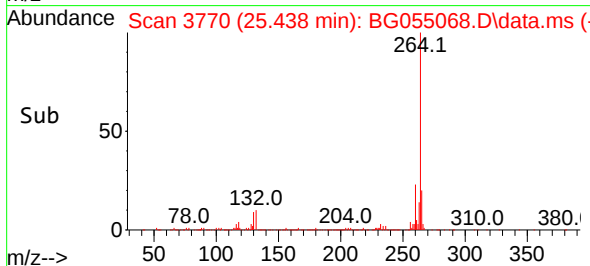


Tgt Ion:264 Resp: 211036
Ion Ratio Lower Upper
264 100
260 23.7 19.7 29.5
265 20.7 17.8 26.6

Manual Integrations

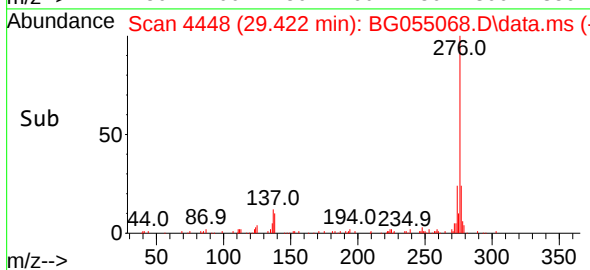
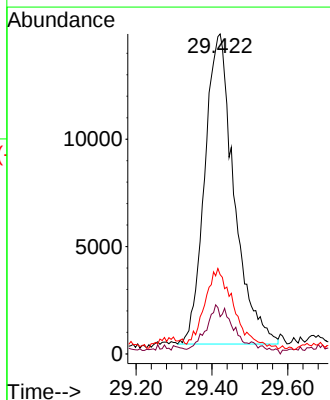
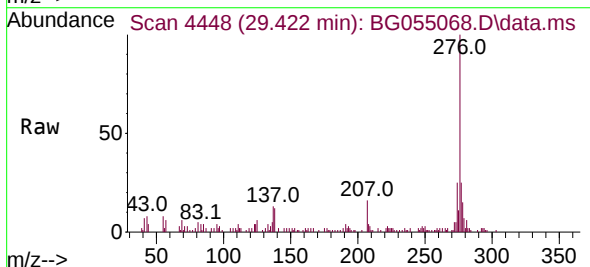
APPROVED

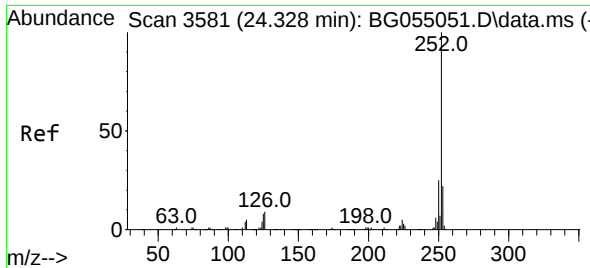
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.105 ng
RT: 29.422 min Scan# 4448
Delta R.T. 0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

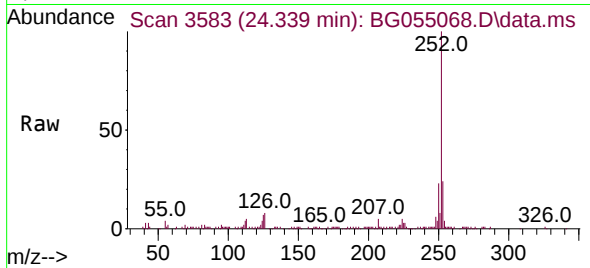
Tgt Ion:276 Resp: 77744
Ion Ratio Lower Upper
276 100
138 6.5 10.0 15.0#
277 26.3 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 13.315 ng
RT: 24.339 min Scan# 3581
Delta R.T. 0.011 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

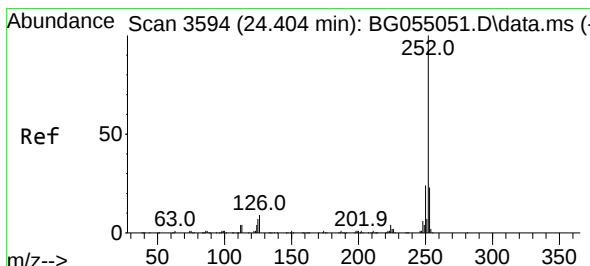
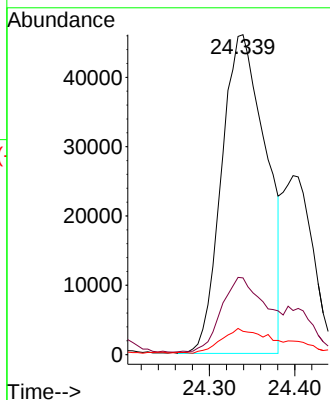
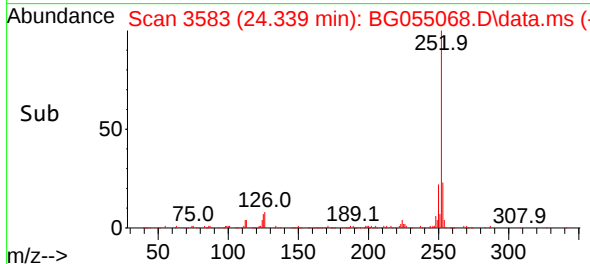
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



Tgt Ion:252 Resp: 165566
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 7.3 6.1 9.1

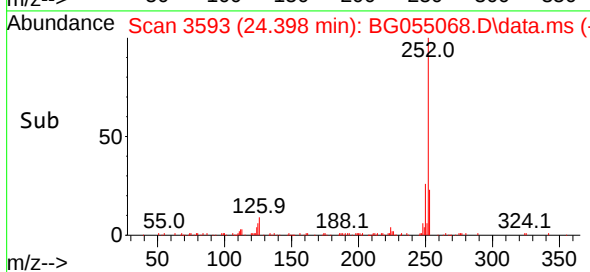
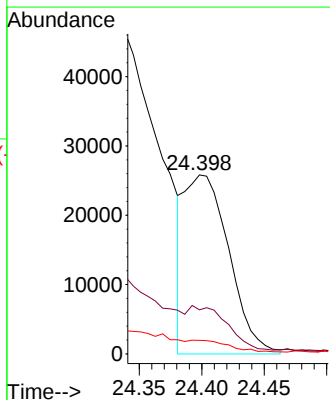
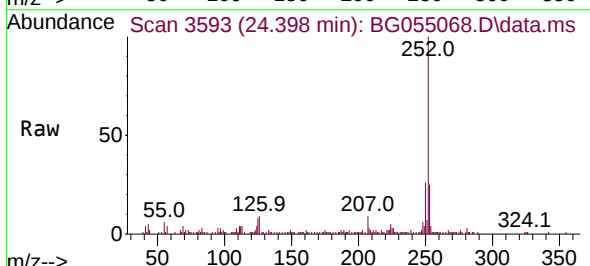
Manual Integrations
APPROVED

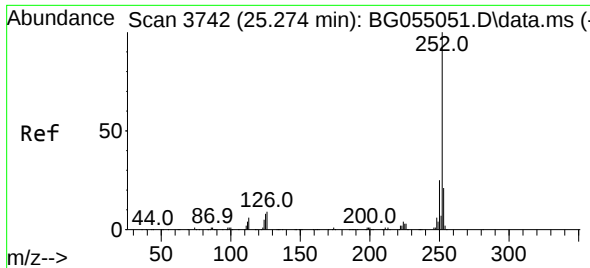
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#89
Benzo(k)fluoranthene
Concen: 5.106 ng m
RT: 24.398 min Scan# 3593
Delta R.T. -0.006 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

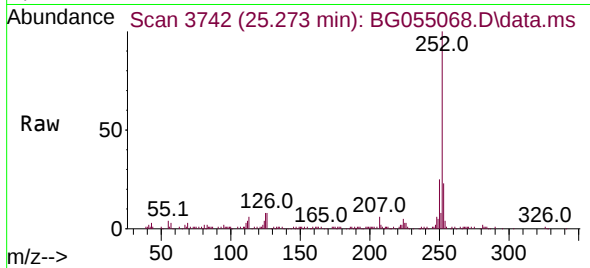
Tgt Ion:252 Resp: 63966
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 7.6 5.8 8.6





#90
Benzo(a)pyrene
Concen: 11.976 ng
RT: 25.273 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15

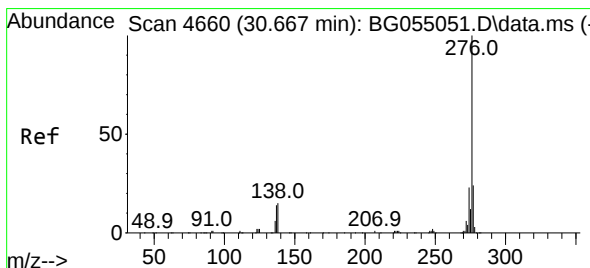
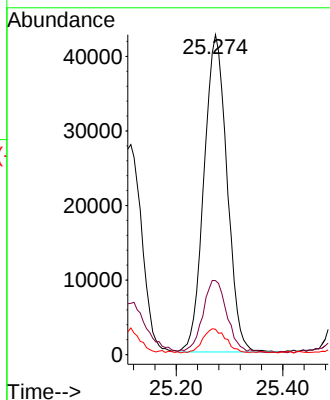
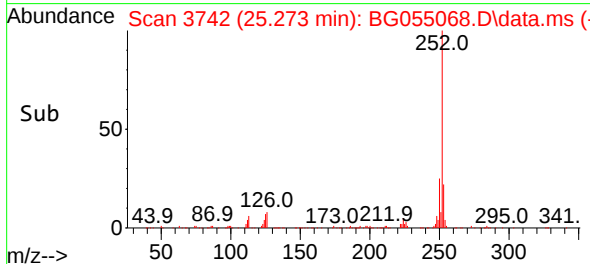
Instrument :
BNA_G
ClientSampleId :
SU-03-092922DL



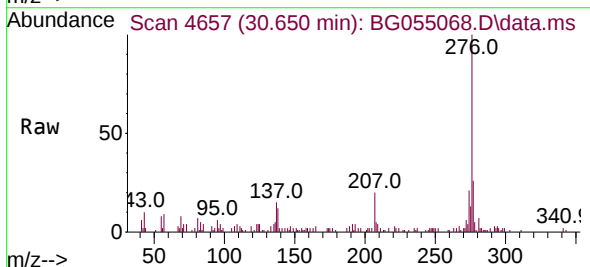
Tgt Ion:252 Resp: 127623
Ion Ratio Lower Upper
252 100
253 23.1 16.9 25.3
125 7.9 6.6 9.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#92
Benzo(g,h,i)perylene
Concen: 6.053 ng
RT: 30.650 min Scan# 4657
Delta R.T. -0.018 min
Lab File: BG055068.D
Acq: 4 Oct 2022 18:15



Tgt Ion:276 Resp: 75167
Ion Ratio Lower Upper
276 100
277 25.8 18.8 28.2
138 12.5 11.8 17.6

