

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100522\
 Data File : BG055078.D
 Acq On : 5 Oct 2022 16:26
 Operator : CG/JU
 Sample : N4907-03DL2 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-222DL2

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 03:37:23 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	8.344	152	29766	20.000	ng	0.00
21) Naphthalene-d8	11.170	136	125192	20.000	ng	0.00
39) Acenaphthene-d10	14.942	164	87116	20.000	ng	0.00
64) Phenanthrene-d10	17.680	188	205517	20.000	ng	0.00
76) Chrysene-d12	21.975	240	206394	20.000	ng	0.00
86) Perylene-d12	25.435	264	221530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	9981	7.448	ng	0.00
7) Phenol-d6	7.462	99	13397	6.672	ng	0.00
23) Nitrobenzene-d5	9.507	82	8369	3.995	ng	0.00
42) 2,4,6-Tribromophenol	16.417	330	6281	12.898	ng	0.00
45) 2-Fluorobiphenyl	13.573	172	21007	3.764	ng	0.00
79) Terphenyl-d14	20.253	244	38212	3.742	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.223	128	95741	14.490	ng	99
37) 2-Methylnaphthalene	12.803	142	27518	5.651	ng	97
38) 1-Methylnaphthalene	13.015	142	18679	3.944	ng	93
52) Acenaphthene	15.006	154	12269	2.479	ng	95
55) Dibenzofuran	15.341	168	51749	6.554	ng	97
58) Fluorene	15.982	166	38231	6.051	ng	98
71) Phenanthrene	17.721	178	511532	47.384	ng	99
72) Anthracene	17.809	178	82181	7.827	ng	96
73) Carbazole	18.073	167	65735	7.133	ng	98
75) Fluoranthene	19.713	202	478327	35.516	ng	99
78) Pyrene	20.071	202	362191	26.391	ng	99
81) Benzo(a)anthracene	21.951	228	186123	14.196	ng	99
83) Chrysene	22.022	228	143033	11.319	ng	97
87) Indeno(1,2,3-cd)pyrene	29.395	276	91092	5.698	ng	# 95
88) Benzo(b)fluoranthene	24.331	252	199035	15.249	ng	100
89) Benzo(k)fluoranthene	24.395	252	64952m	4.939	ng	
90) Benzo(a)pyrene	25.265	252	132763	11.867	ng	96
91) Dibenzo(a,h)anthracene	29.442	278	27246m	2.098	ng	
92) Benzo(g,h,i)perylene	30.641	276	81447	6.248	ng	97

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

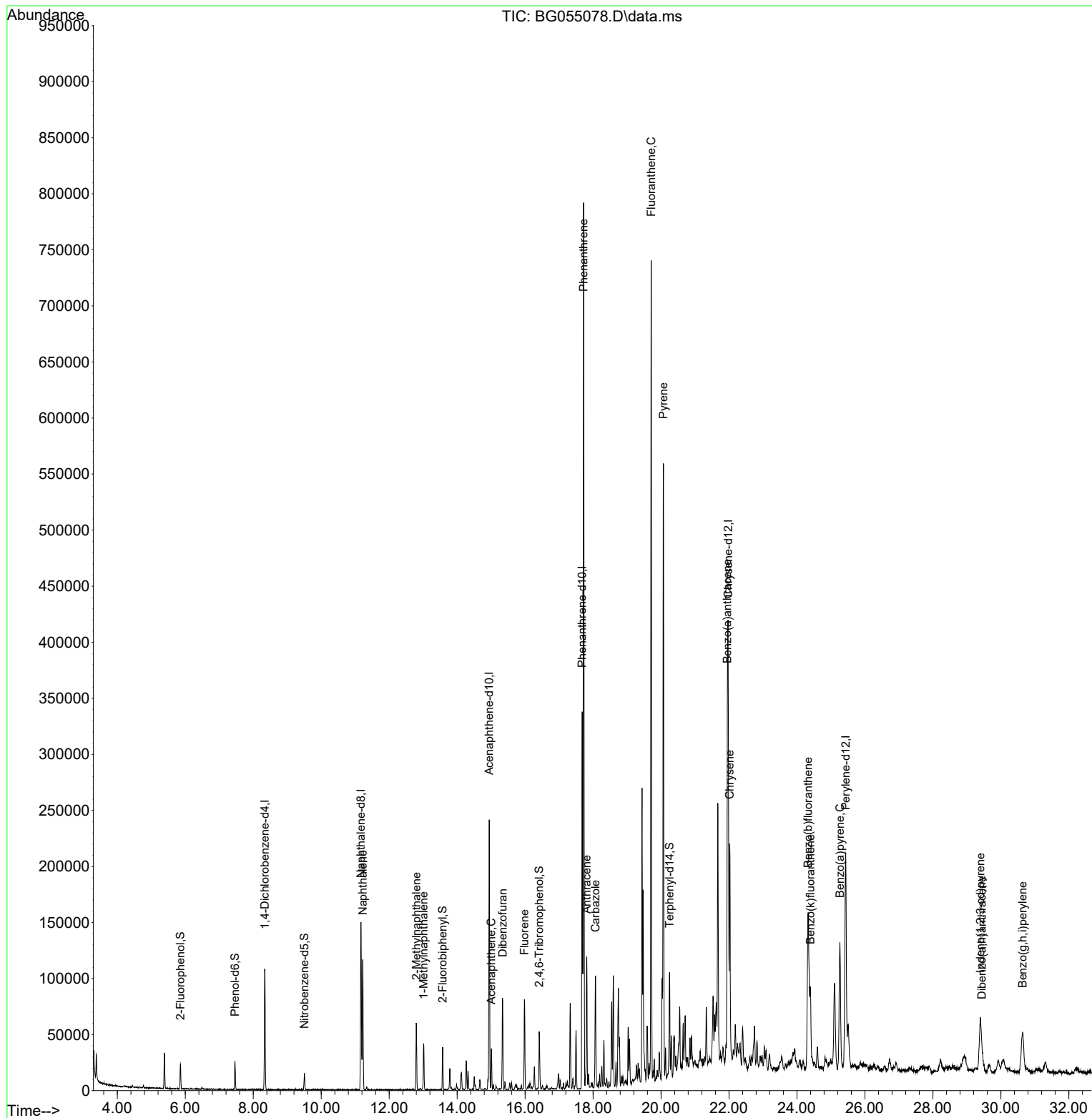
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100522\
Data File : BG055078.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

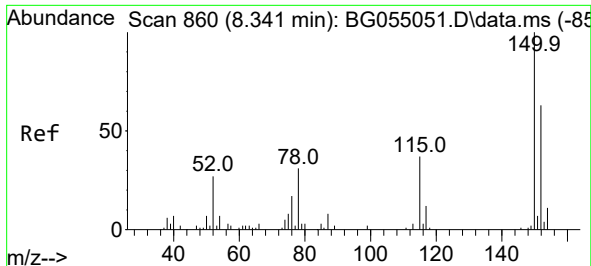
Instrument :
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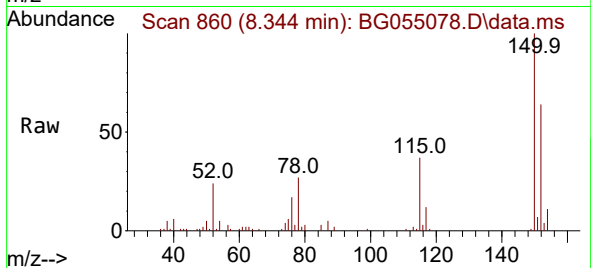
Quant Time: Oct 06 03:37:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 07:12:22 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.344 min Scan# 860
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

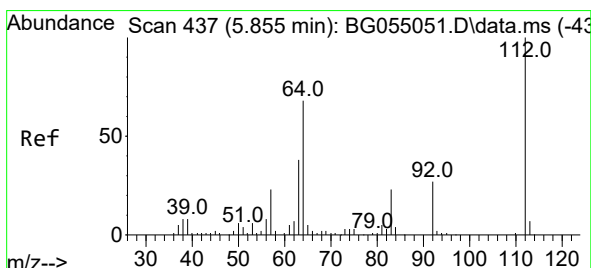
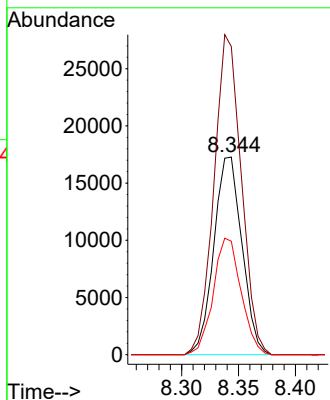
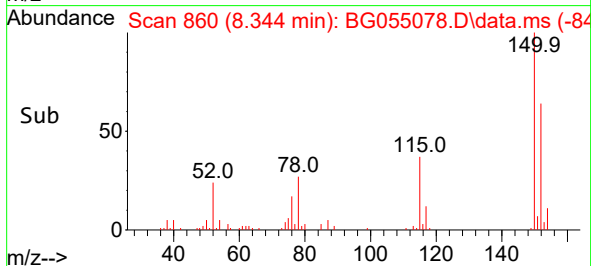
Instrument :
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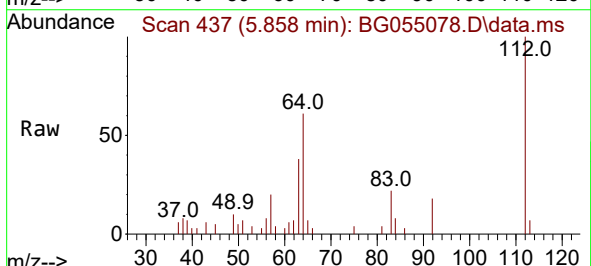
Tgt Ion:152 Resp: 29760
Ion Ratio Lower Upper
152 100
150 156.0 128.0 192.0
115 57.4 47.7 71.5

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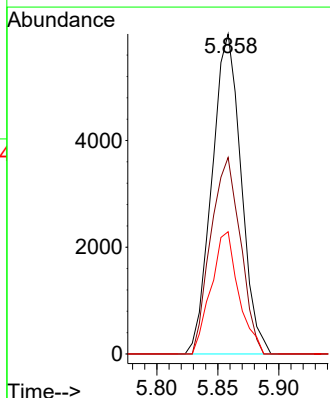
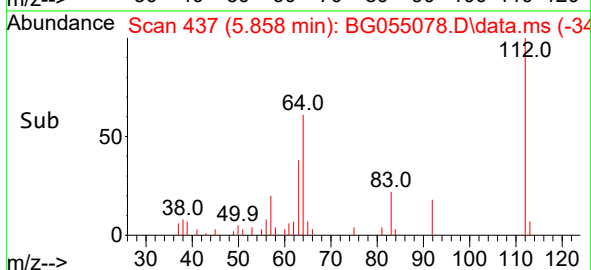
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Supervised By :mohammad ahmed 10/10/2022

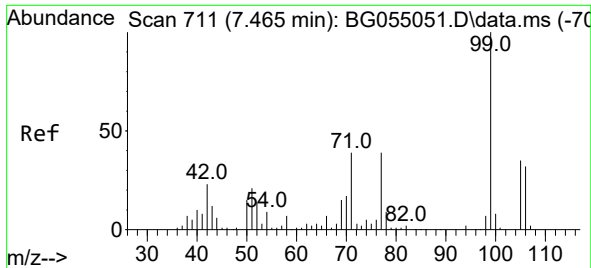


#5
2-Fluorophenol
Concen: 7.448 ng
RT: 5.858 min Scan# 437
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



Tgt Ion:112 Resp: 9981
Ion Ratio Lower Upper
112 100
64 61.4 54.5 81.7
63 38.2 30.5 45.7





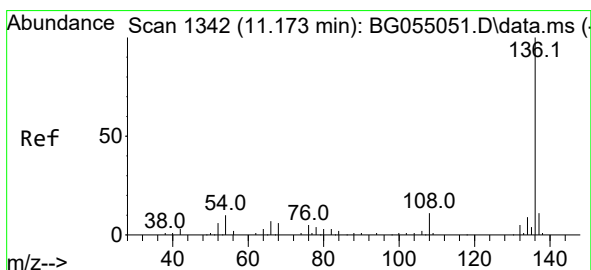
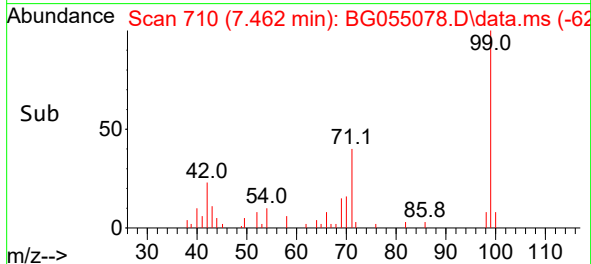
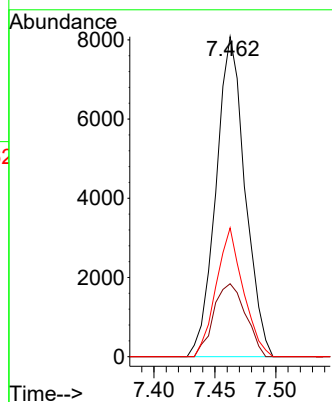
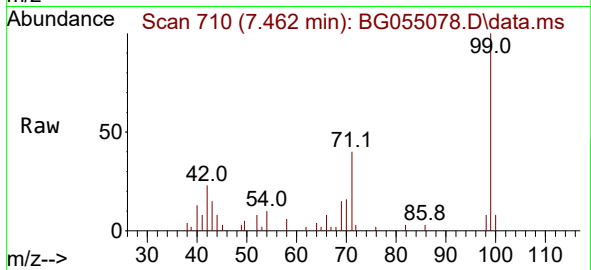
#7
Phenol-d6
Concen: 6.672 ng
RT: 7.462 min Scan# 711
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

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Tgt Ion: 99 Resp: 1339
Ion Ratio Lower Upper
99 100
42 22.8 18.6 28.0
71 40.3 31.2 46.8

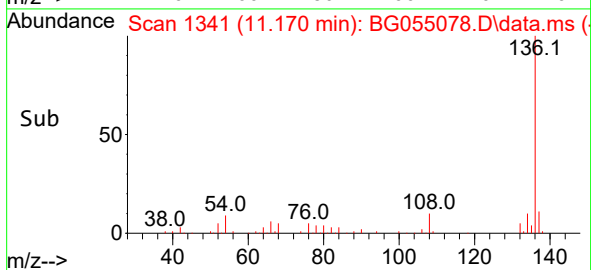
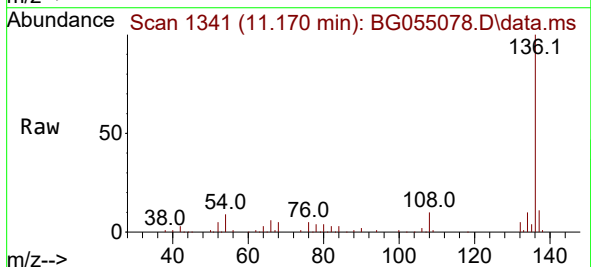
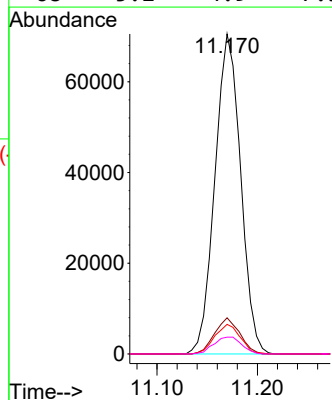
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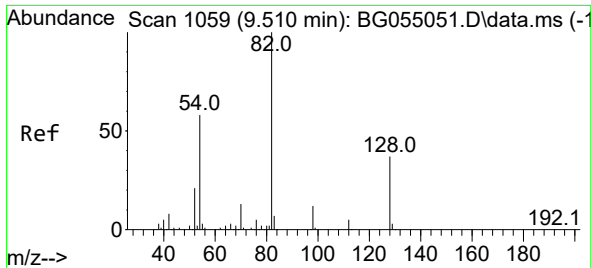
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.170 min Scan# 1341
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

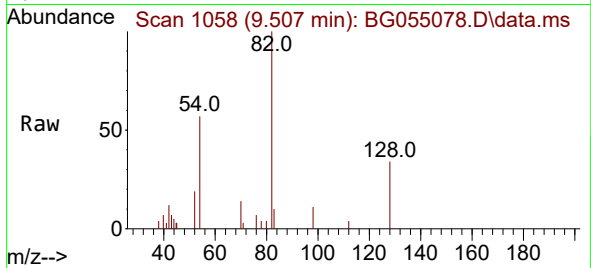
Tgt Ion:136 Resp: 125192
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 9.2 8.2 12.4
68 5.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 3.995 ng
RT: 9.507 min Scan# 1058
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

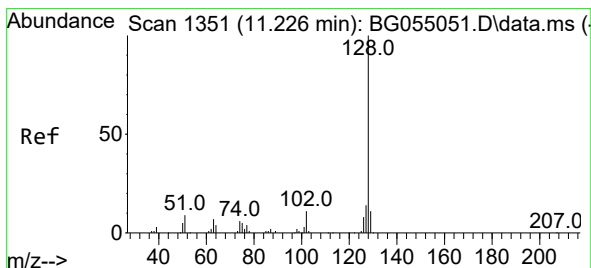
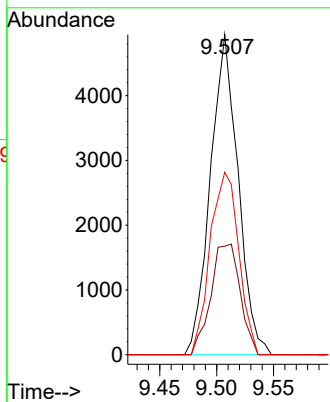
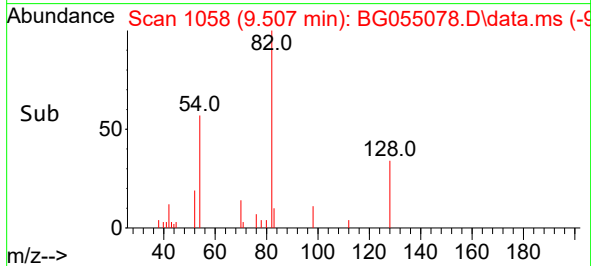
Instrument :
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ClientSampleId :
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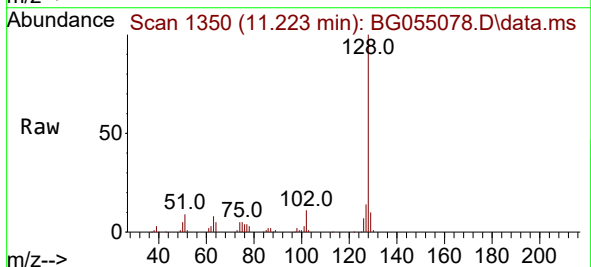
Tgt Ion: 82 Resp: 8369
Ion Ratio Lower Upper
82 100
128 33.9 29.5 44.3
54 57.0 46.7 70.1

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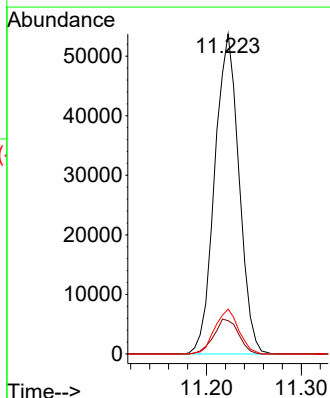
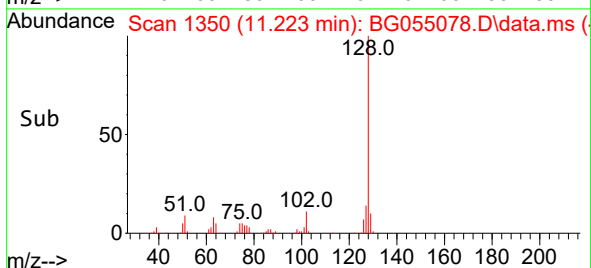
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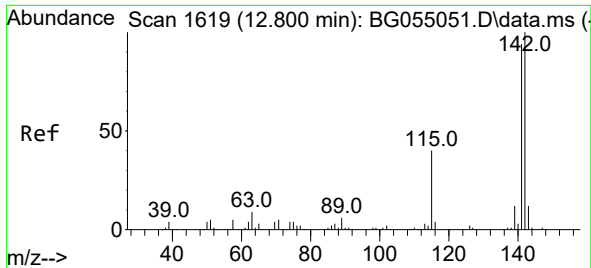


#31
Naphthalene
Concen: 14.490 ng
RT: 11.223 min Scan# 1350
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



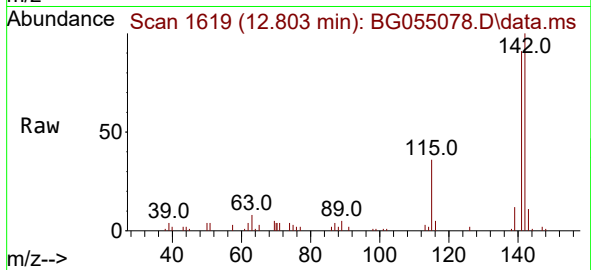
Tgt Ion:128 Resp: 95741
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 14.0 10.9 16.3





#37
2-Methylnaphthalene
Concen: 5.651 ng
RT: 12.803 min Scan# 1619
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

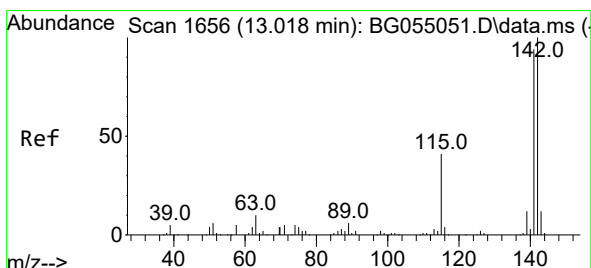
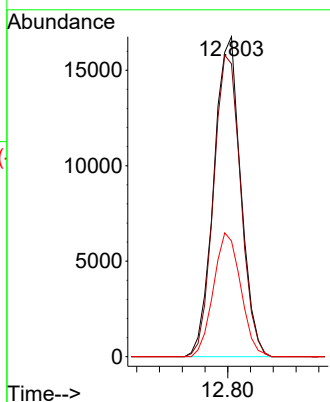
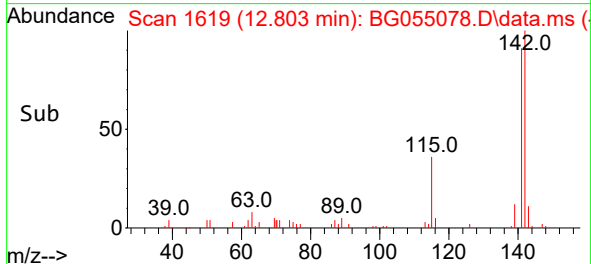
Instrument :
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ClientSampleId :
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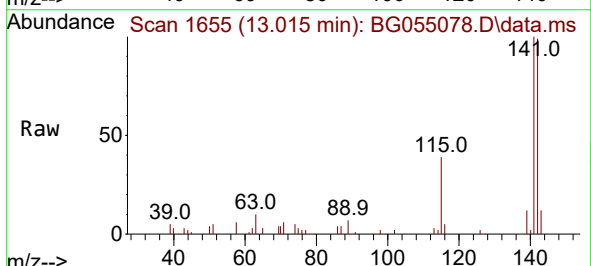
Tgt Ion:142 Resp: 27518
Ion Ratio Lower Upper
142 100
141 91.5 75.0 112.4
115 36.2 31.7 47.5

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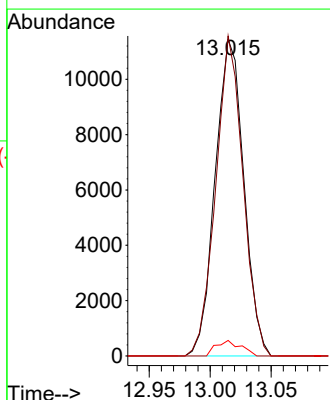
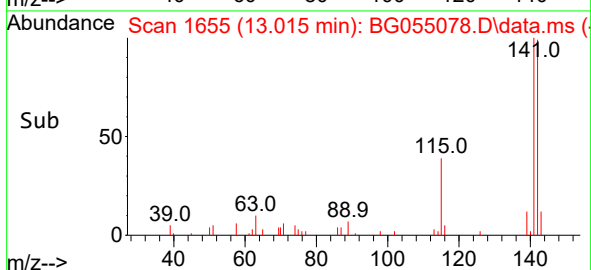
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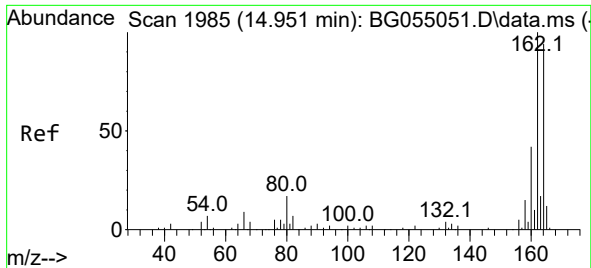


#38
1-Methylnaphthalene
Concen: 3.944 ng
RT: 13.015 min Scan# 1655
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



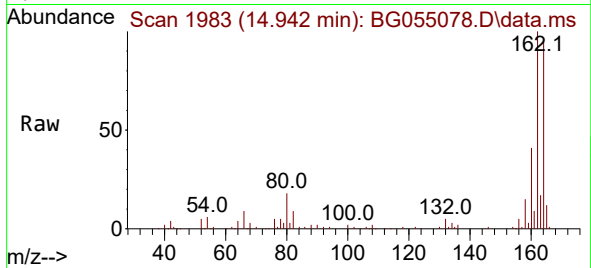
Tgt Ion:142 Resp: 18679
Ion Ratio Lower Upper
142 100
141 101.0 75.5 113.3
116 4.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.942 min Scan# 1983
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

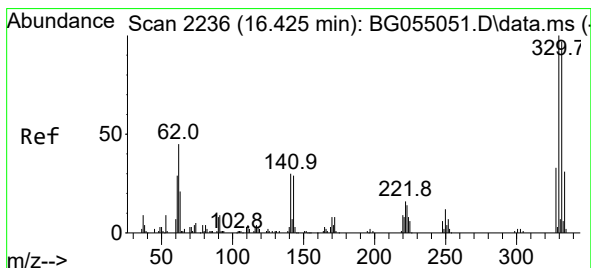
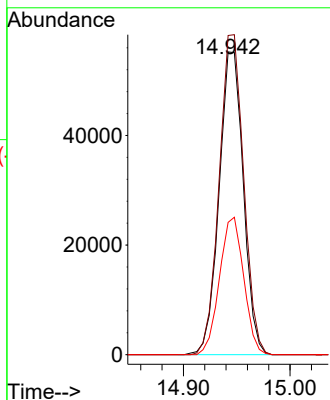
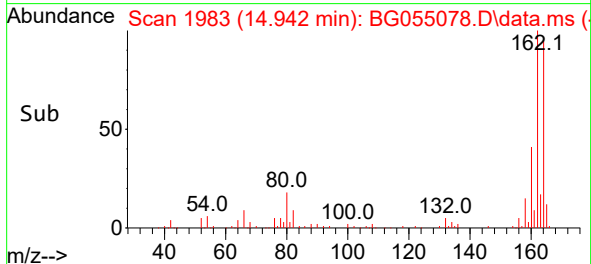
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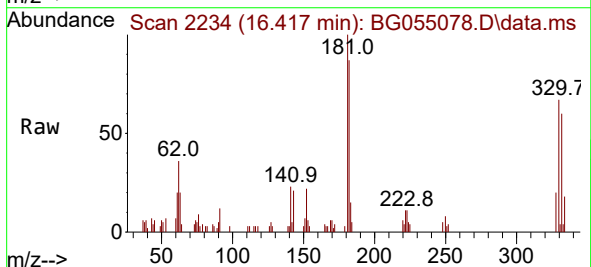
Tgt Ion:164 Resp: 87110
Ion Ratio Lower Upper
164 100
162 105.4 85.5 128.3
160 43.7 35.5 53.3

Manual Integrations
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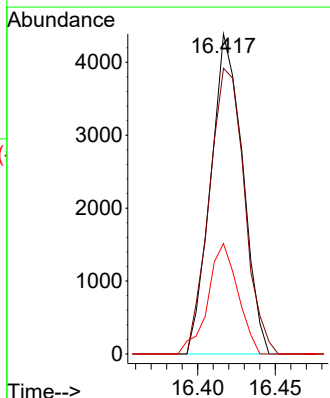
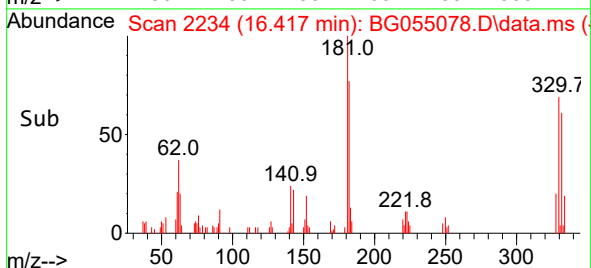
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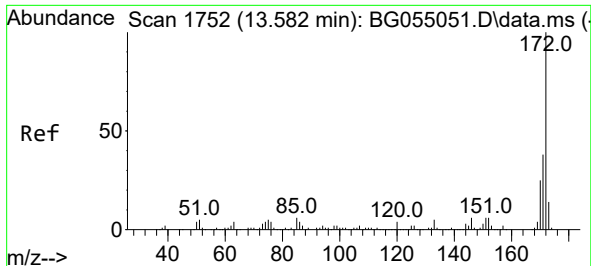


#42
2,4,6-Tribromophenol
Concen: 12.898 ng
RT: 16.417 min Scan# 2234
Delta R.T. -0.008 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



Tgt Ion:330 Resp: 6281
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 32.3 25.0 37.4





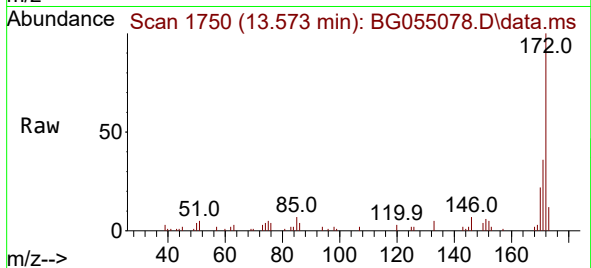
#45
2-Fluorobiphenyl
Concen: 3.764 ng
RT: 13.573 min Scan# 1750
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

Instrument :

BNA_G

ClientSampleId :

VNJ-222DL2

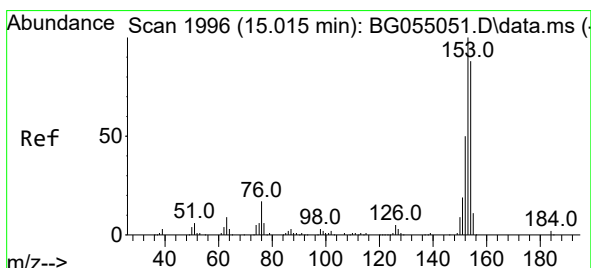
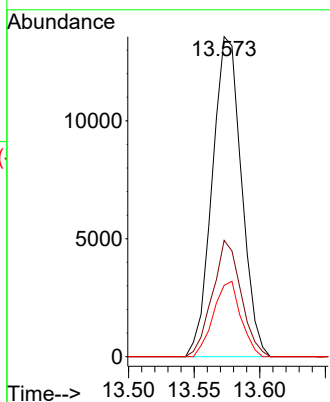
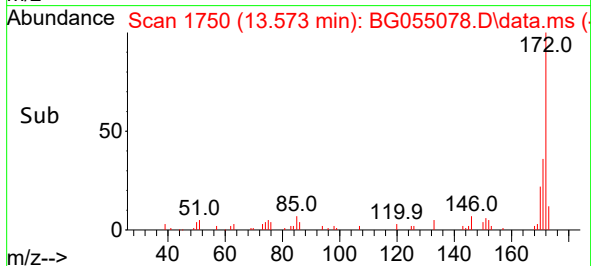


Tgt Ion:172 Resp: 2100
Ion Ratio Lower Upper
172 100
171 36.4 30.1 45.1
170 22.3 20.0 30.0

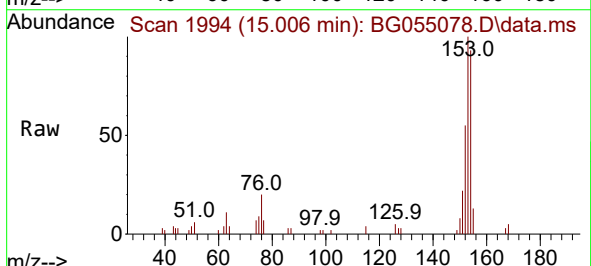
Manual Integrations

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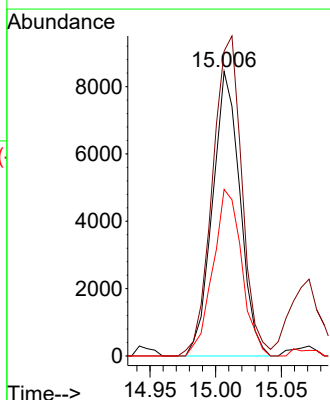
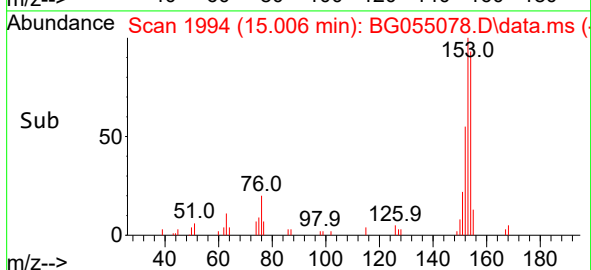
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022

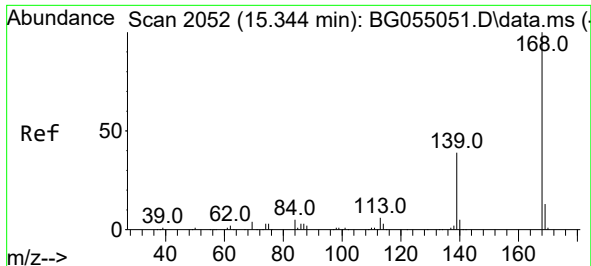


#52
Acenaphthene
Concen: 2.479 ng
RT: 15.006 min Scan# 1994
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



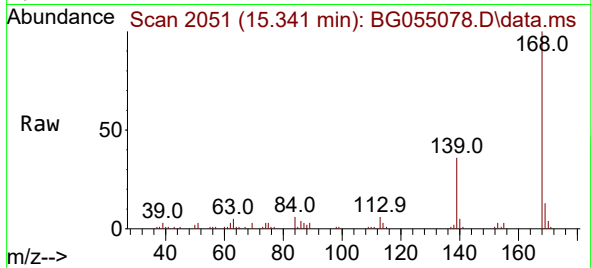
Tgt Ion:154 Resp: 12269
Ion Ratio Lower Upper
154 100
153 107.1 91.4 137.0
152 58.5 45.3 67.9





#55
Dibenzofuran
Concen: 6.554 ng
RT: 15.341 min Scan# 2052
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

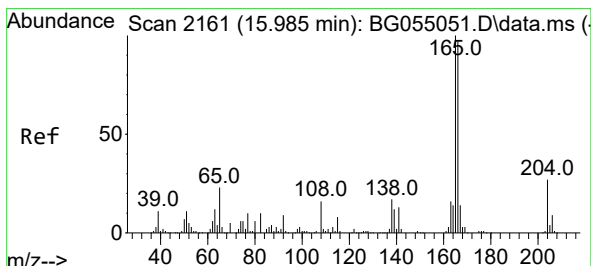
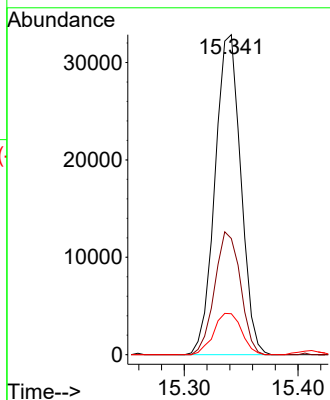
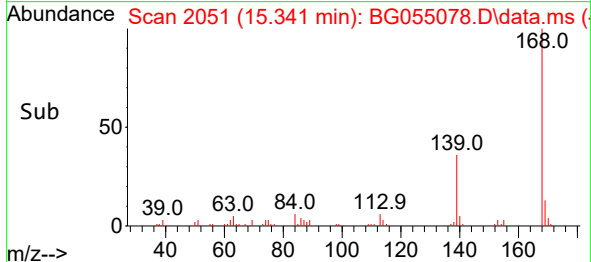
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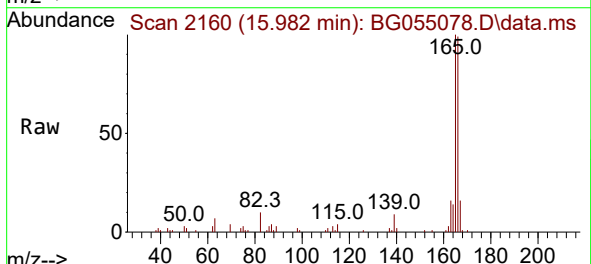
Tgt Ion:168 Resp: 51749
Ion Ratio Lower Upper
168 100
139 36.3 31.0 46.4
169 12.8 10.6 16.0

Manual Integrations
APPROVED

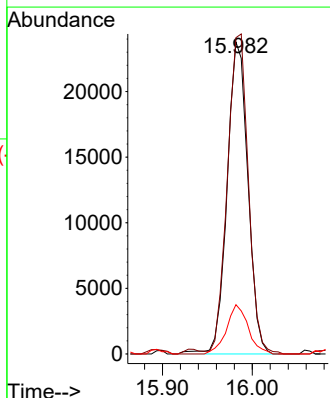
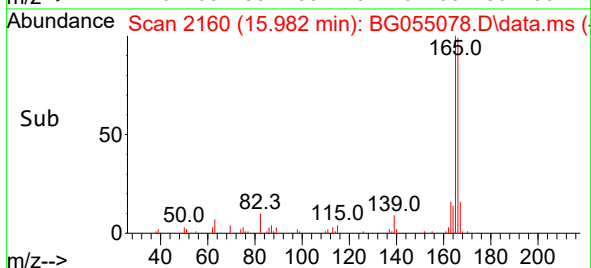
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022

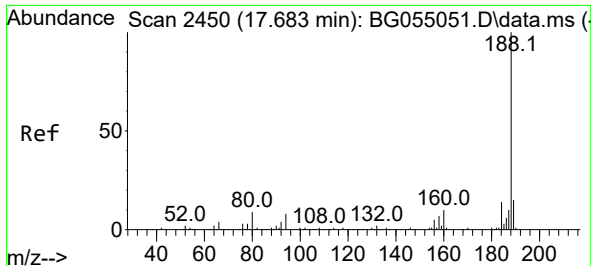


#58
Fluorene
Concen: 6.051 ng
RT: 15.982 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



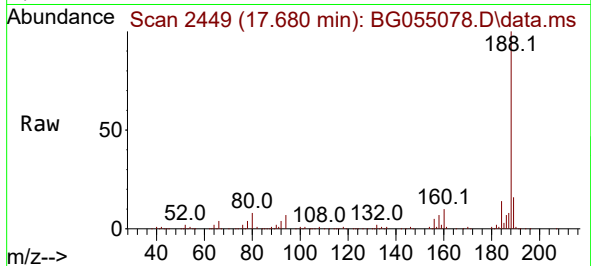
Tgt Ion:166 Resp: 38231
Ion Ratio Lower Upper
166 100
165 101.4 82.6 123.8
167 15.8 11.8 17.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.680 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

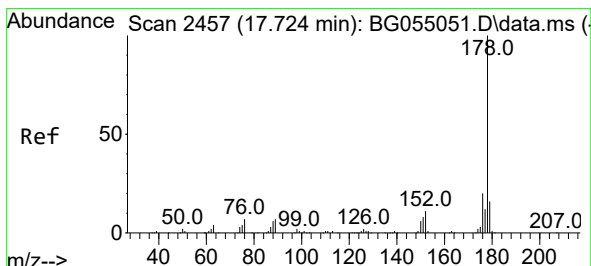
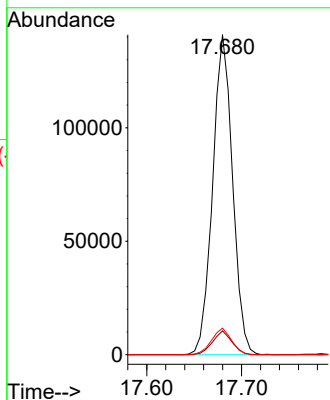
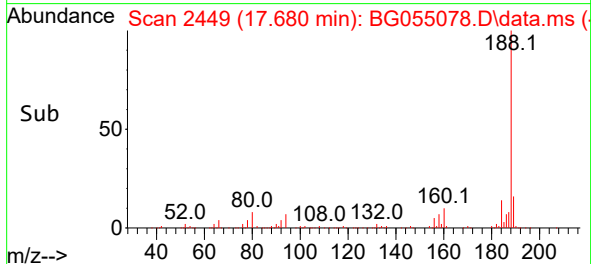
Instrument :
BNA_G
ClientSampleId :
VNJ-222DL2



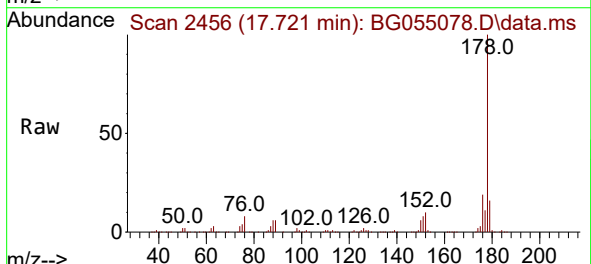
Tgt Ion:188 Resp: 205517
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 8.3 7.2 10.8

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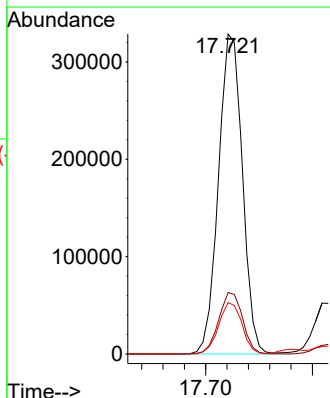
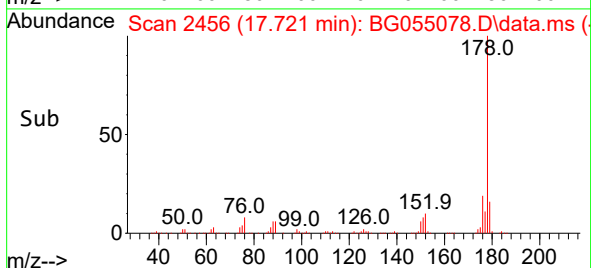
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022

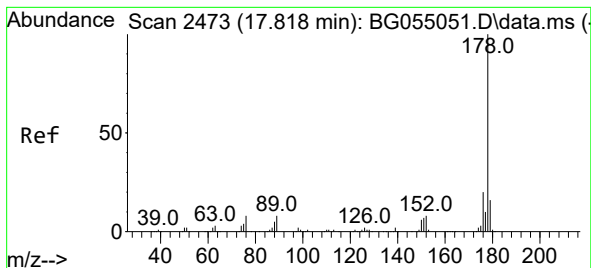


#71
Phenanthrene
Concen: 47.384 ng
RT: 17.721 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



Tgt Ion:178 Resp: 511532
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 16.0 13.2 19.8





#72

Anthracene

Concen: 7.827 ng

RT: 17.809 min Scan# 2473

Delta R.T. -0.009 min

Lab File: BG055078.D

Acq: 5 Oct 2022 16:26

Instrument :

BNA_G

ClientSampleId :

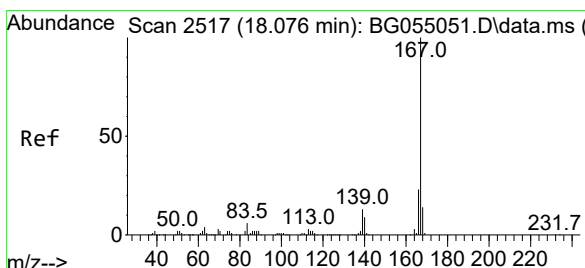
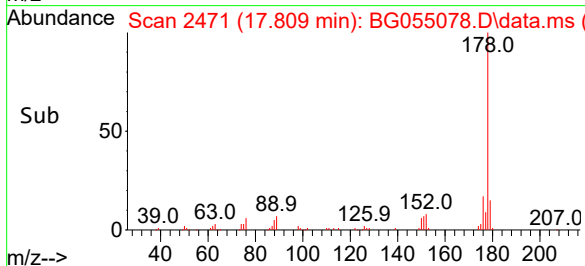
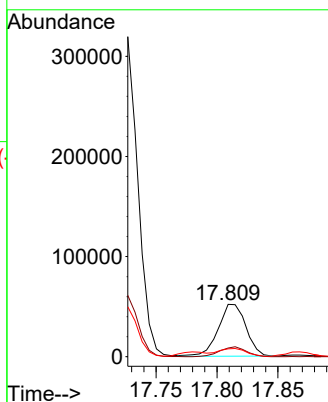
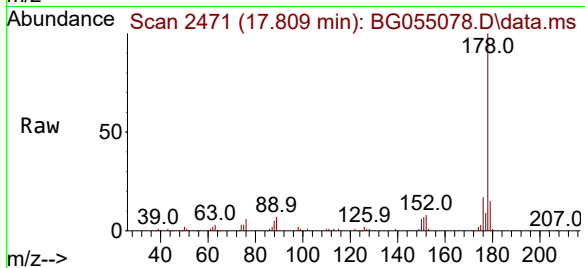
VNJ-222DL2

Tgt Ion:178	Resp:	8218
Ion Ratio	Lower	Upper
178	100	
176	16.5	15.7 23.5
179	14.9	12.5 18.7

Manual Integrations

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



#73

Carbazole

Concen: 7.133 ng

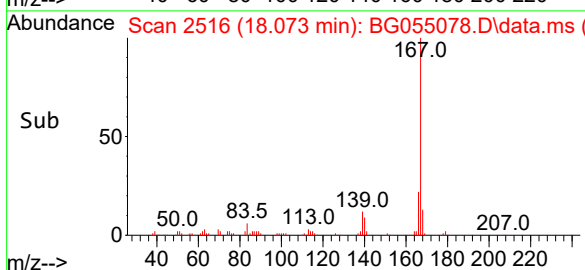
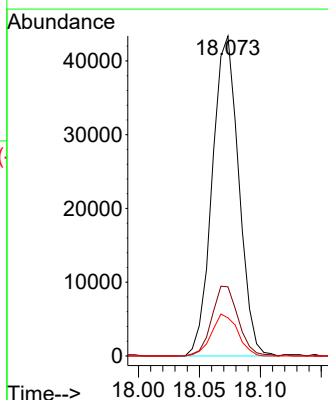
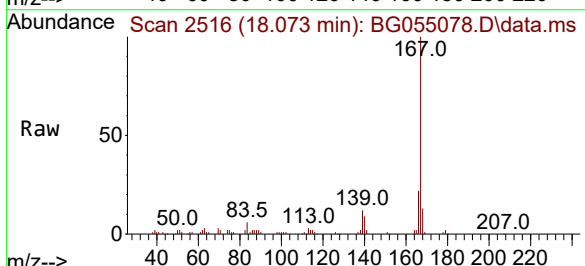
RT: 18.073 min Scan# 2516

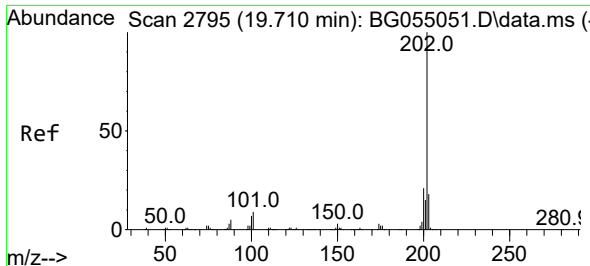
Delta R.T. -0.003 min

Lab File: BG055078.D

Acq: 5 Oct 2022 16:26

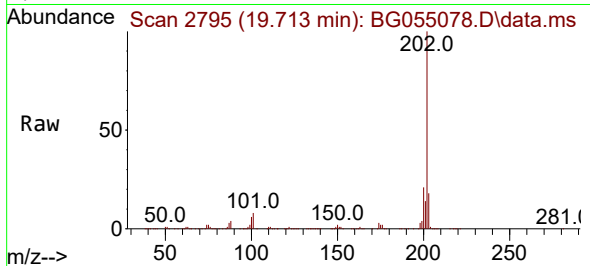
Tgt Ion:167	Resp:	65735
Ion Ratio	Lower	Upper
167	100	
166	21.6	18.2 27.2
139	11.9	10.2 15.4





#75
Fluoranthene
Concen: 35.516 ng
RT: 19.713 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

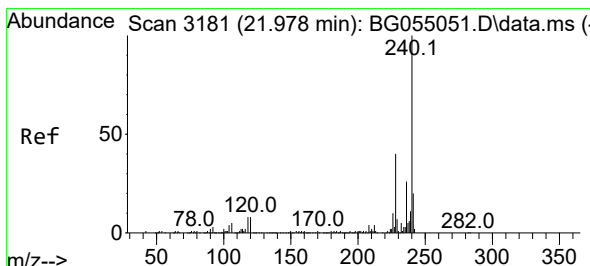
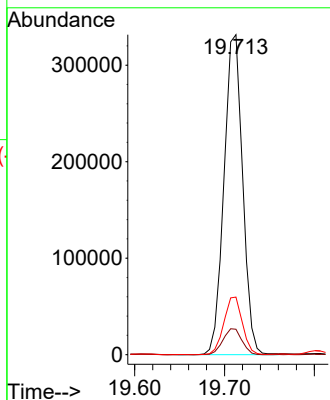
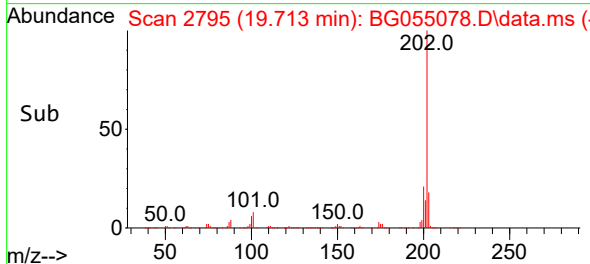
Instrument :
BNA_G
ClientSampleId :
VNJ-222DL2



Tgt Ion:202 Resp: 47832
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.9
203 18.0 0.0 37.7

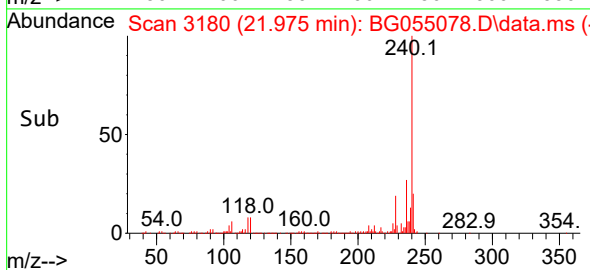
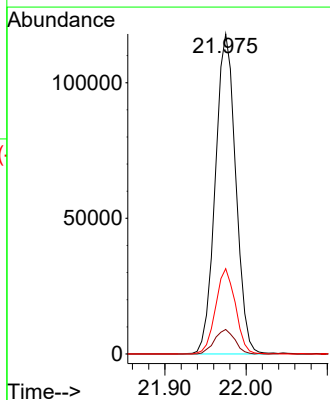
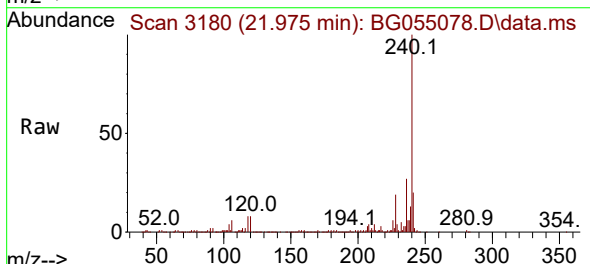
Manual Integrations
APPROVED

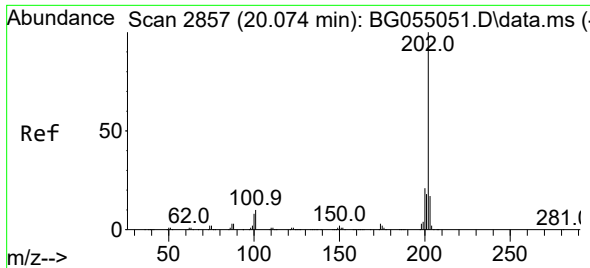
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.975 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

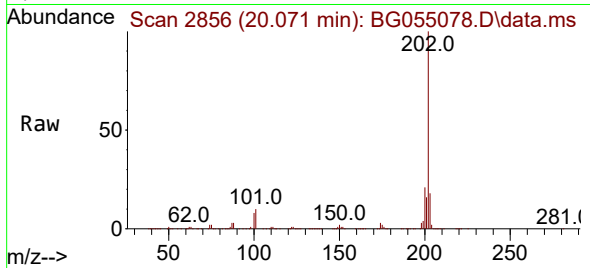
Tgt Ion:240 Resp: 206394
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 26.6 20.6 30.8





#78
 Pyrene
 Concen: 26.391 ng
 RT: 20.071 min Scan# 2857
 Delta R.T. -0.003 min
 Lab File: BG055078.D
 Acq: 5 Oct 2022 16:26

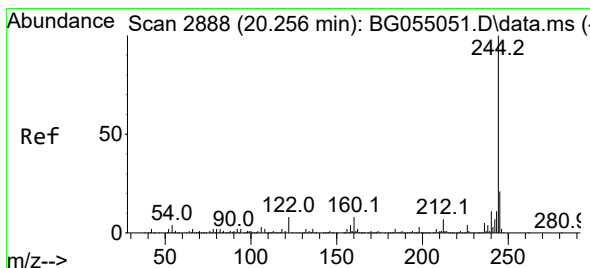
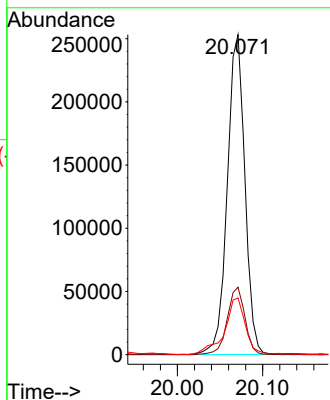
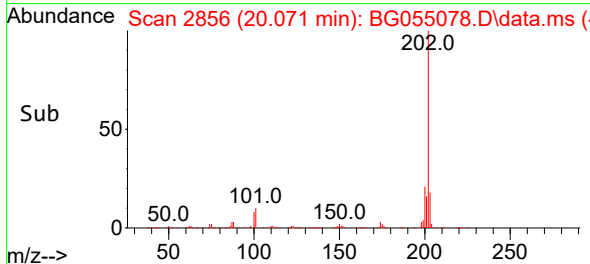
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-222DL2



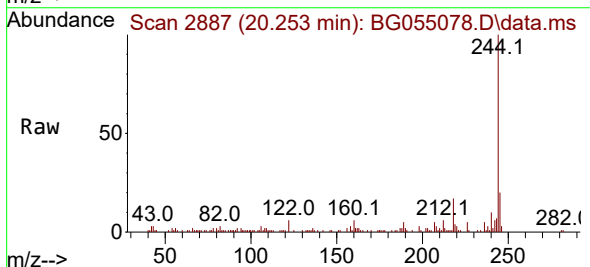
Tgt Ion:202 Resp: 36219
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.8 14.0 21.0

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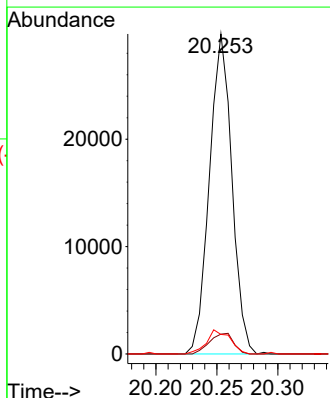
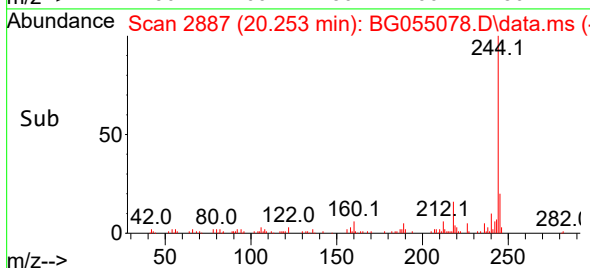
Reviewed By :Jagrut Upadhyay 10/06/2022
 Supervised By :mohammad ahmed 10/10/2022

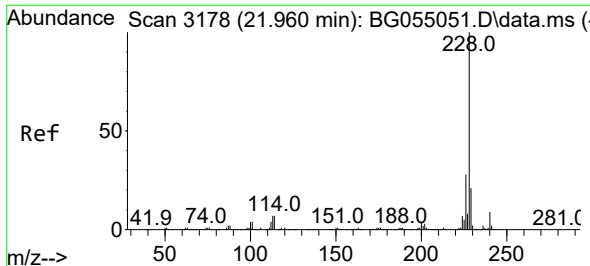


#79
 Terphenyl-d14
 Concen: 3.742 ng
 RT: 20.253 min Scan# 2887
 Delta R.T. -0.003 min
 Lab File: BG055078.D
 Acq: 5 Oct 2022 16:26



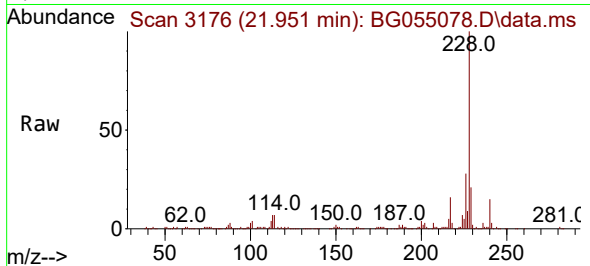
Tgt Ion:244 Resp: 38212
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 6.1 6.6 10.0#





#81
Benzo(a)anthracene
Concen: 14.196 ng
RT: 21.951 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

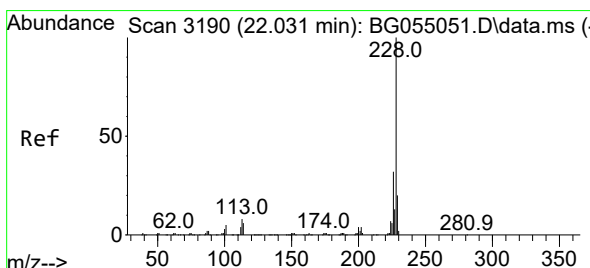
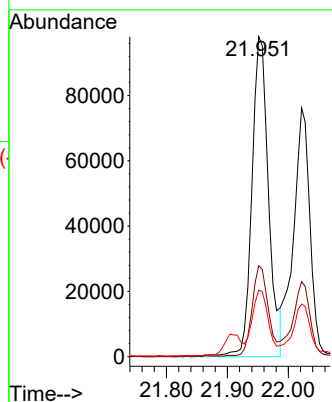
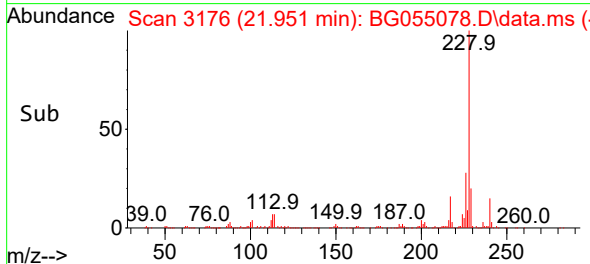
Instrument :
BNA_G
ClientSampleId :
VNJ-222DL2



Tgt Ion:228 Resp: 18612
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.7 16.7 25.1

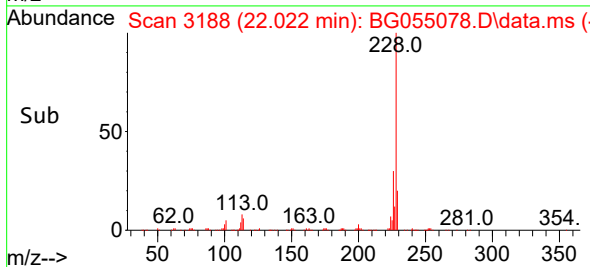
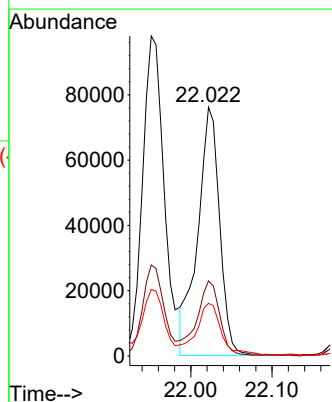
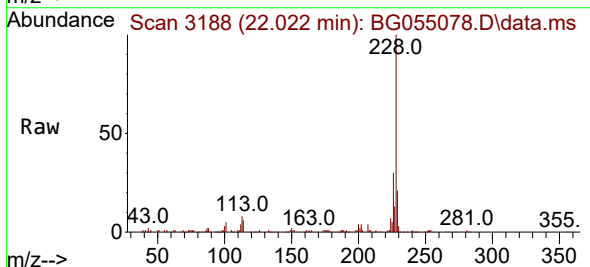
Manual Integrations
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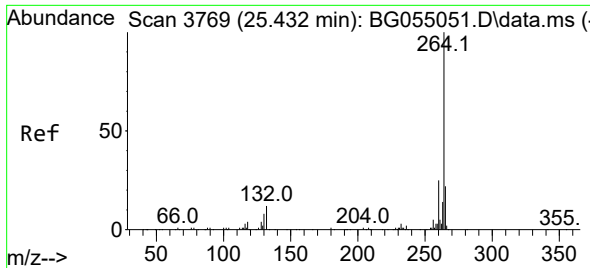
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022



#83
Chrysene
Concen: 11.319 ng
RT: 22.022 min Scan# 3188
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

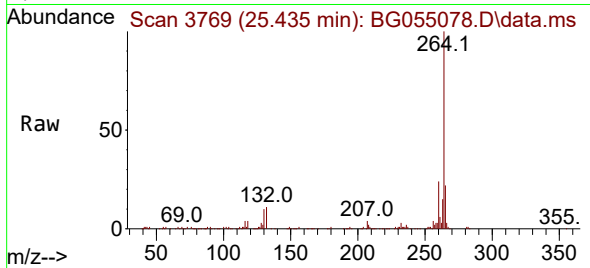
Tgt Ion:228 Resp: 143033
Ion Ratio Lower Upper
228 100
226 30.1 25.3 37.9
229 21.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.435 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

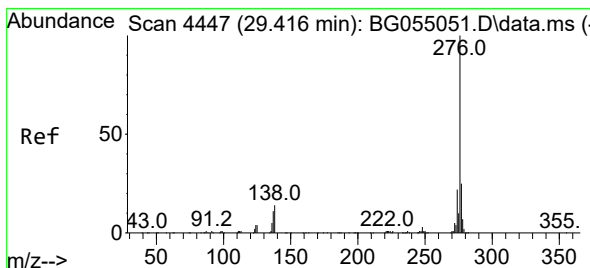
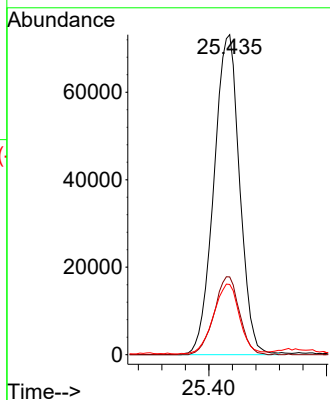
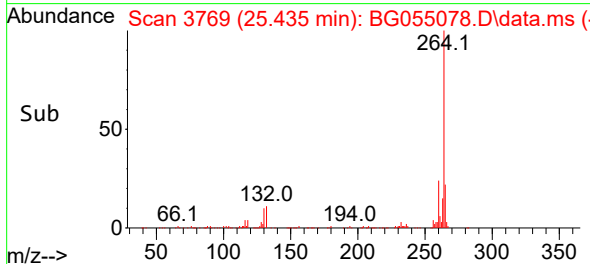
Instrument :
BNA_G
ClientSampleId :
VNJ-222DL2



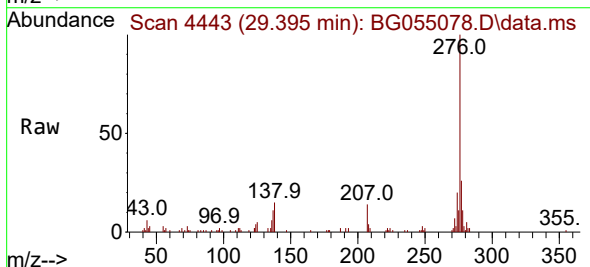
Tgt Ion:264 Resp: 221530
Ion Ratio Lower Upper
264 100
260 24.3 19.7 29.5
265 22.0 17.8 26.6

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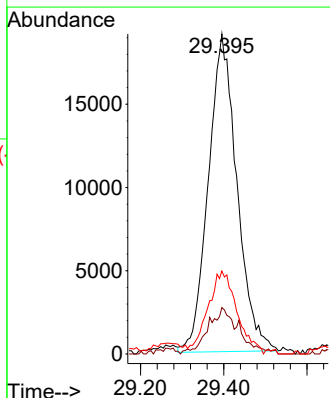
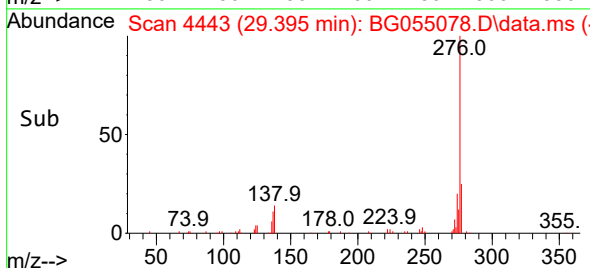
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022

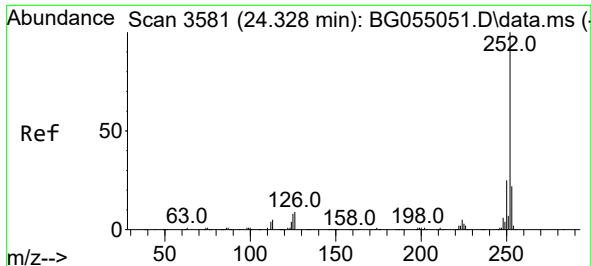


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.698 ng
RT: 29.395 min Scan# 4443
Delta R.T. -0.020 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



Tgt Ion:276 Resp: 91092
Ion Ratio Lower Upper
276 100
138 15.9 10.0 15.0#
277 26.6 20.0 30.0





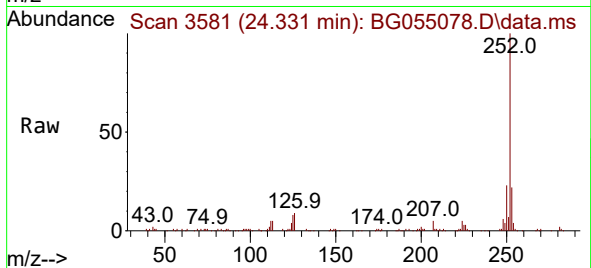
#88
Benzo(b)fluoranthene
Concen: 15.249 ng
RT: 24.331 min Scan# 3581
Delta R.T. 0.003 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26

Instrument :

BNA_G

ClientSampleId :

VNJ-222DL2

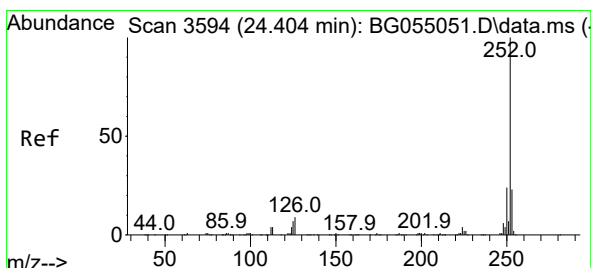
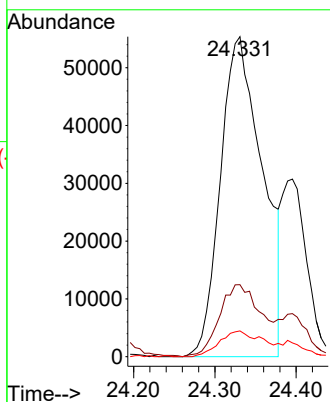
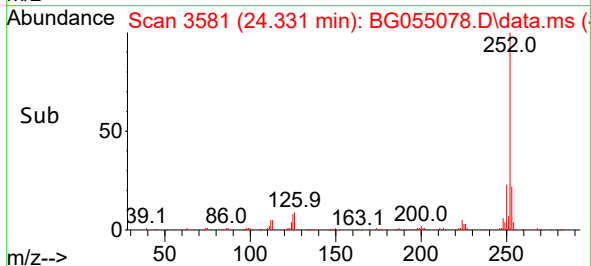


Tgt Ion:252 Resp: 199035
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 8.1 6.1 9.1

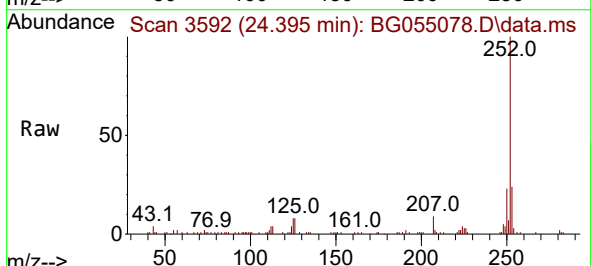
Manual Integrations

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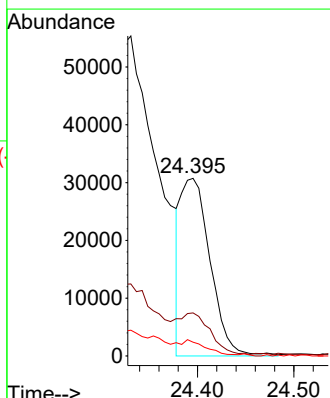
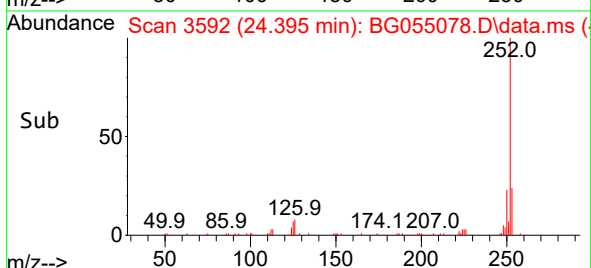
Reviewed By :Jagrut Upadhyay 10/06/2022
Supervised By :mohammad ahmed 10/10/2022

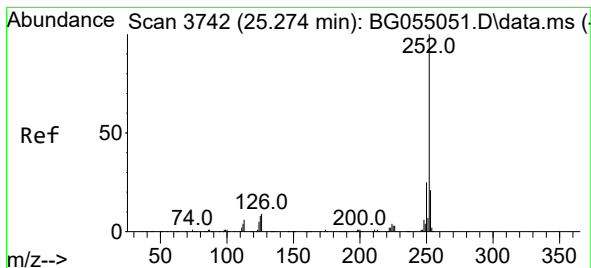


#89
Benzo(k)fluoranthene
Concen: 4.939 ng m
RT: 24.395 min Scan# 3592
Delta R.T. -0.009 min
Lab File: BG055078.D
Acq: 5 Oct 2022 16:26



Tgt Ion:252 Resp: 64952
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 7.7 5.8 8.6





#90

Benzo(a)pyrene

Concen: 11.867 ng

RT: 25.265 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055078.D

Acq: 5 Oct 2022 16:26

Instrument :

BNA_G

ClientSampleId :

VNJ-222DL2

Tgt Ion:252 Resp: 13276

Ion Ratio Lower Upper

252 100

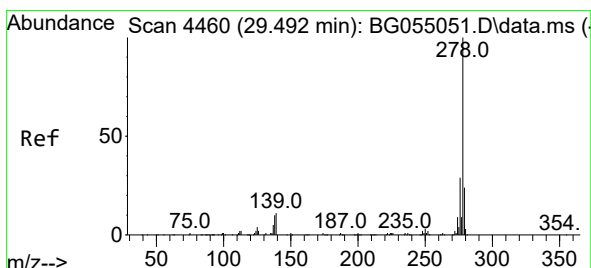
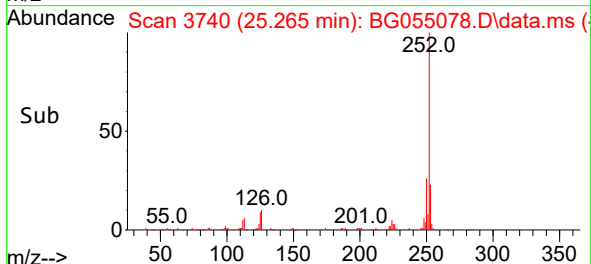
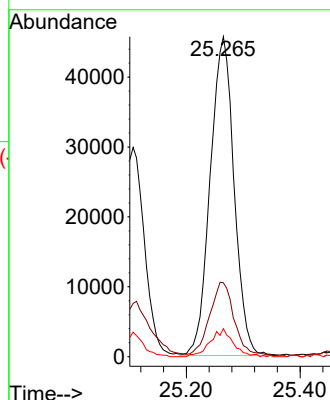
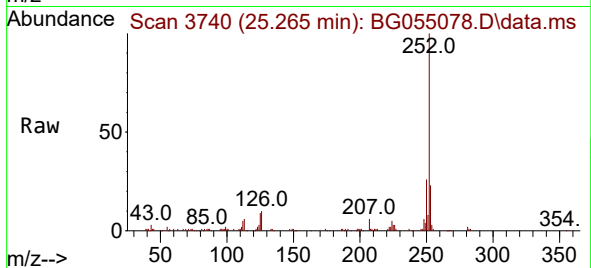
253 23.1 16.9 25.3

125 8.7 6.6 9.8

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 2.098 ng m

RT: 29.442 min Scan# 4451

Delta R.T. -0.050 min

Lab File: BG055078.D

Acq: 5 Oct 2022 16:26

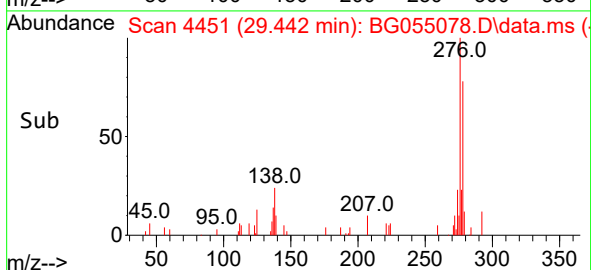
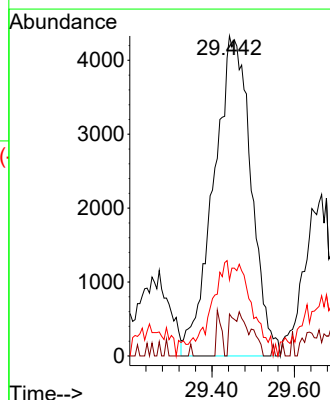
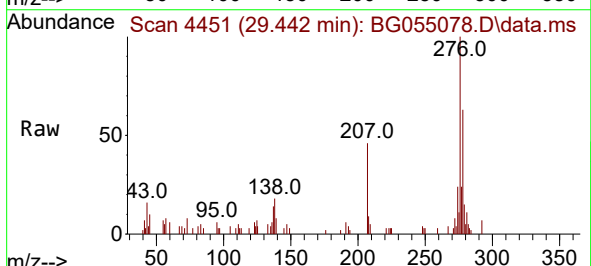
Tgt Ion:278 Resp: 27246

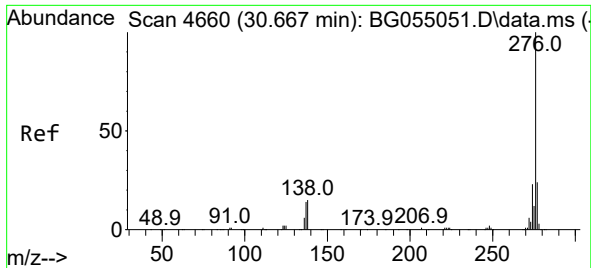
Ion Ratio Lower Upper

278 100

139 13.1 8.5 12.7#

279 23.8 19.0 28.6





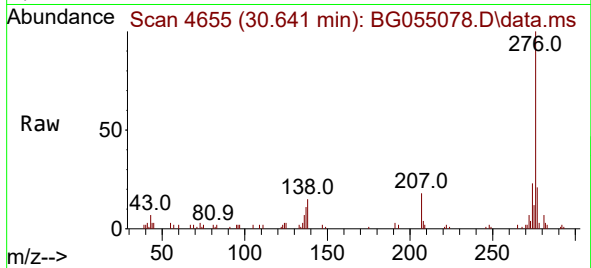
#92
 Benzo(g,h,i)perylene
 Concen: 6.248 ng
 RT: 30.641 min Scan# 4655
 Delta R.T. -0.026 min
 Lab File: BG055078.D
 Acq: 5 Oct 2022 16:26

Instrument :

BNA_G

ClientSampleId :

VNJ-222DL2



Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.3	18.8	28.2
138	15.2	11.8	17.6

Manual Integrations

APPROVED

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

