

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057910.D
 Acq On : 29 Jun 2023 18:50
 Operator : CG/JU
 Sample : 03434-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT2665

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jun 30 03:43:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	51681	20.000	ng	-0.02
21) Naphthalene-d8	10.719	136	218047	20.000	ng	0.00
39) Acenaphthene-d10	14.550	164	150064	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	336333	20.000	ng	0.00
76) Chrysene-d12	21.548	240	282450	20.000	ng	0.00
86) Perylene-d12	24.691	264	350794	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	353126	104.542	ng	0.00
7) Phenol-d6	7.082	99	504494	99.878	ng	0.00
23) Nitrobenzene-d5	9.074	82	279160	62.743	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	209997	83.317	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	638906	64.972	ng	0.00
79) Terphenyl-d14	19.909	244	1000109	64.553	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.335	178	286376	17.738	ng	98
72) Anthracene	17.423	178	36360	2.184	ng	98
73) Carbazole	17.694	167	34122	2.155	ng	97
75) Fluoranthene	19.350	202	705308	34.677	ng	99
78) Pyrene	19.709	202	608932	30.193	ng	99
81) Benzo(a)anthracene	21.524	228	285761	14.620	ng	100
83) Chrysene	21.589	228	323851	17.504	ng	97
84) Bis(2-ethylhexyl)phtha...	21.436	149	164834	14.196	ng	100
87) Indeno(1,2,3-cd)pyrene	28.264	276	222256	9.564	ng	# 97
88) Benzo(b)fluoranthene	23.692	252	455896	23.828	ng	97
89) Benzo(k)fluoranthene	23.757	252	141246m	7.304	ng	
90) Benzo(a)pyrene	24.544	252	292450	15.430	ng	99
91) Dibenzo(a,h)anthracene	28.322	278	53008	2.750	ng	# 92
92) Benzo(g,h,i)perylene	29.386	276	219693	11.467	ng	98

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

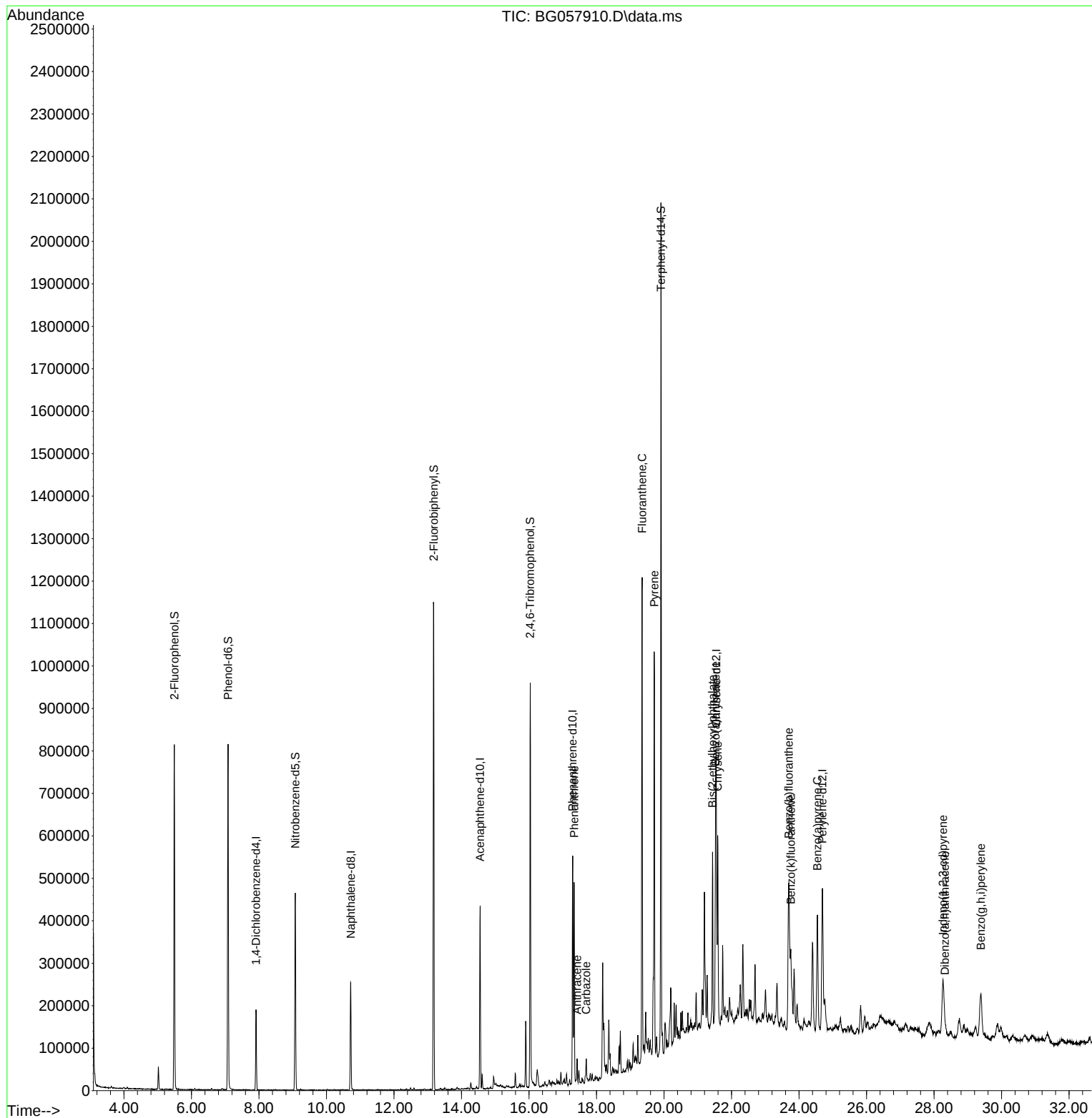
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
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ALS Vial : 11 Sample Multiplier: 1

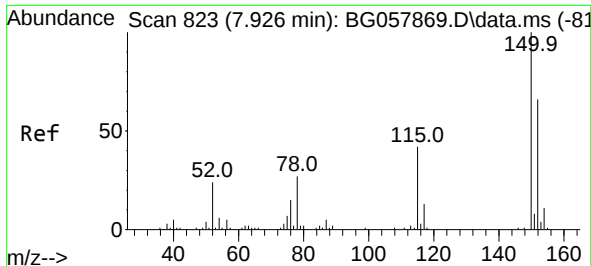
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
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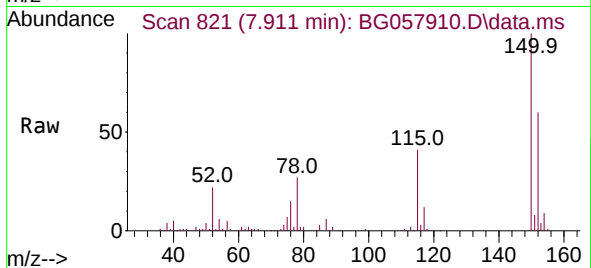
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 821
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

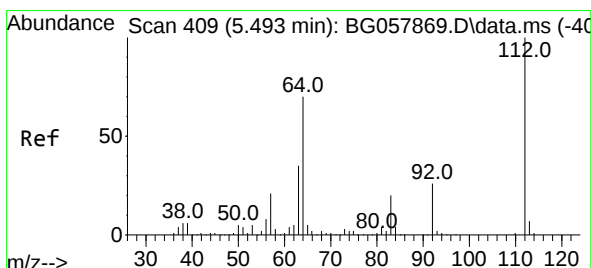
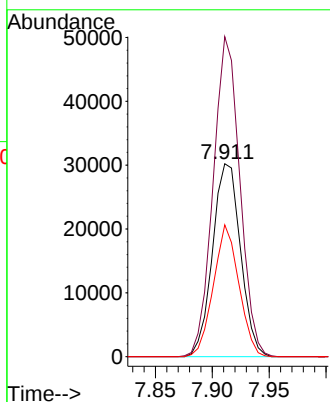
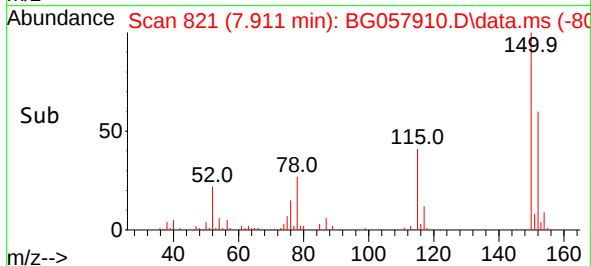
Instrument :
BNA_G
ClientSampleId :
RT2665



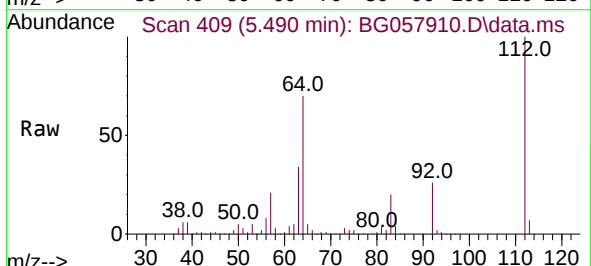
Tgt Ion:152 Resp: 5168
Ion Ratio Lower Upper
152 100
150 165.9 122.0 183.0
115 68.4 50.7 76.1

Manual Integrations
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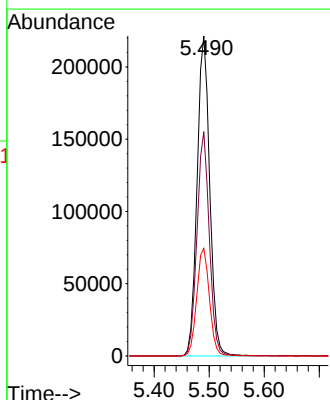
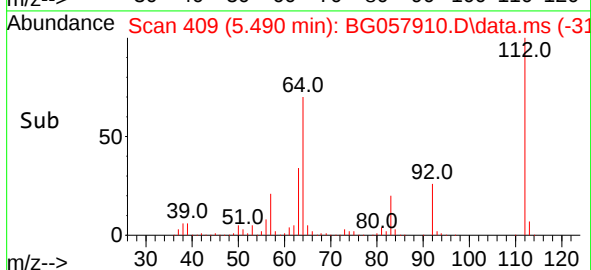
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

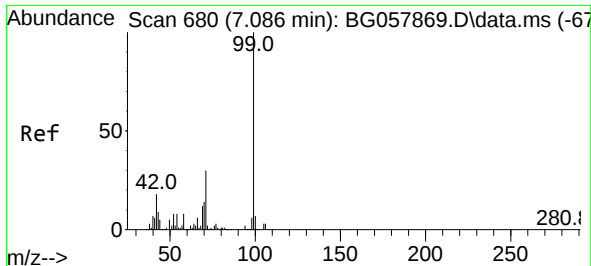


#5
2-Fluorophenol
Concen: 104.542 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50



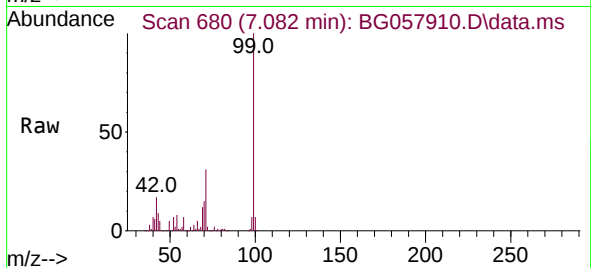
Tgt Ion:112 Resp: 353126
Ion Ratio Lower Upper
112 100
64 70.1 55.8 83.6
63 33.6 27.9 41.9





#7
Phenol-d6
Concen: 99.878 ng
RT: 7.082 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

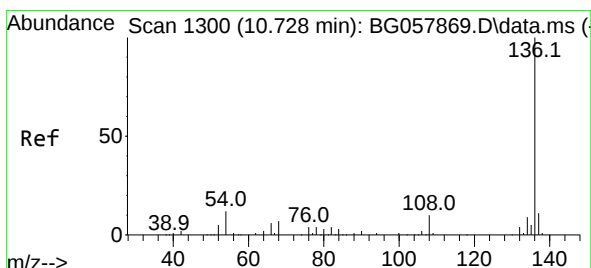
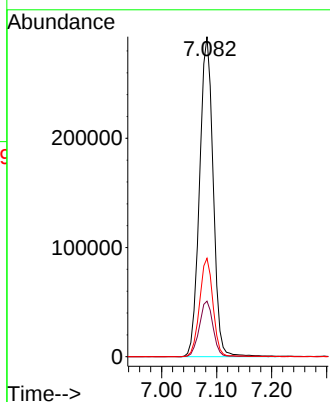
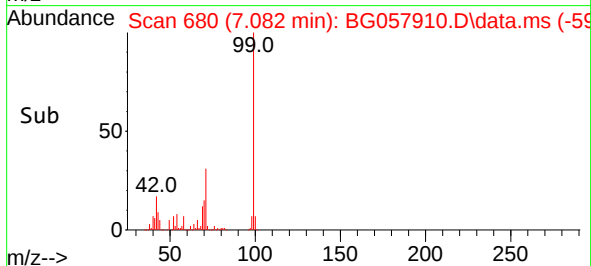
Instrument :
BNA_G
ClientSampleId :
RT2665



Tgt Ion: 99 Resp: 504494
Ion Ratio Lower Upper
99 100
42 17.4 14.2 21.4
71 30.7 23.9 35.9

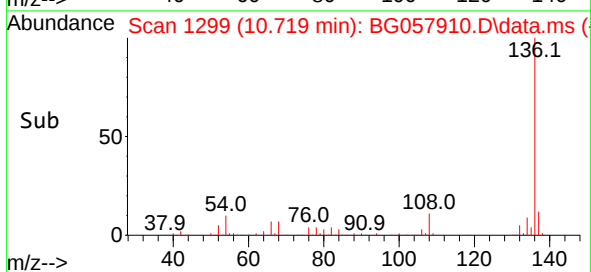
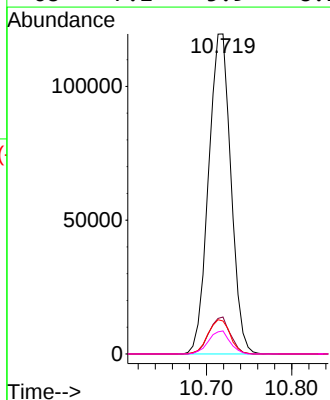
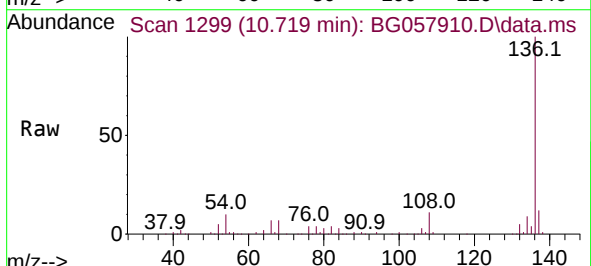
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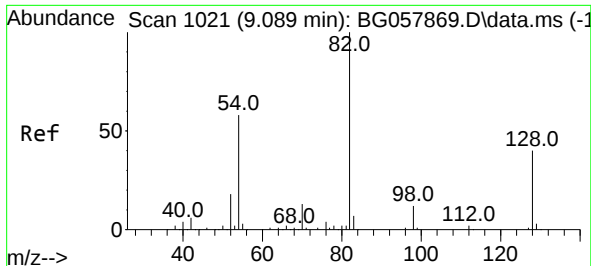
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1299
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:136 Resp: 218047
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 10.3 9.3 13.9
68 7.2 5.9 8.9





#23

Nitrobenzene-d5

Concen: 62.743 ng

RT: 9.074 min Scan# 1019

Delta R.T. -0.015 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

Tgt Ion: 82 Resp: 279160

Ion Ratio Lower Upper

82 100

128 41.5 32.2 48.4

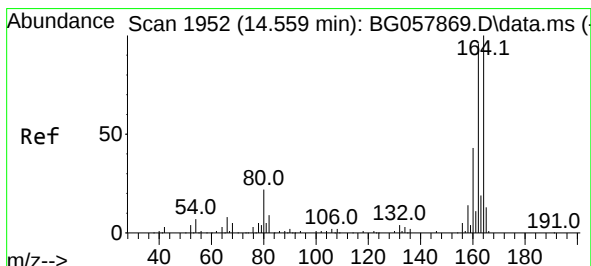
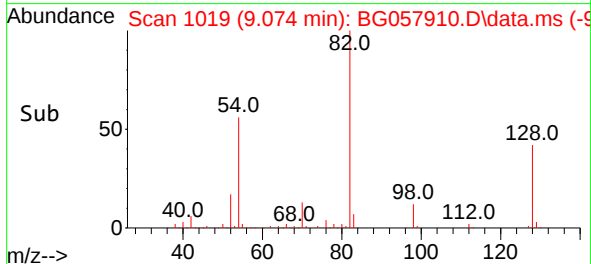
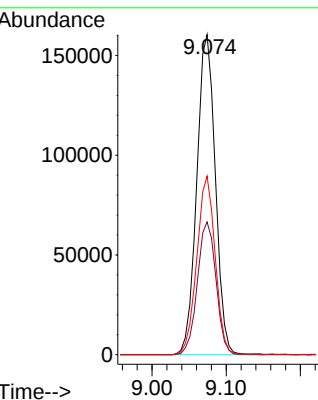
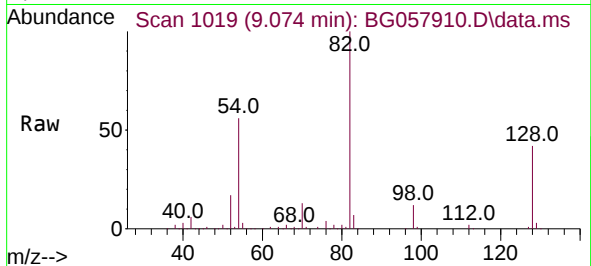
54 55.8 46.1 69.1

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Supervised By :mohammad ahmed 07/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.550 min Scan# 1951

Delta R.T. -0.009 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

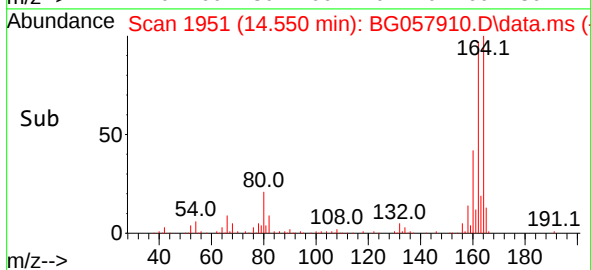
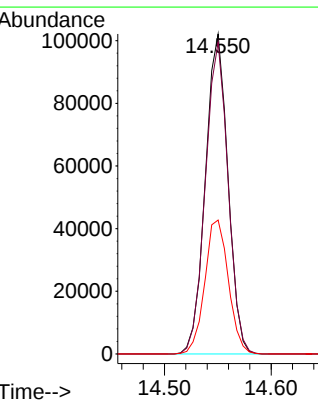
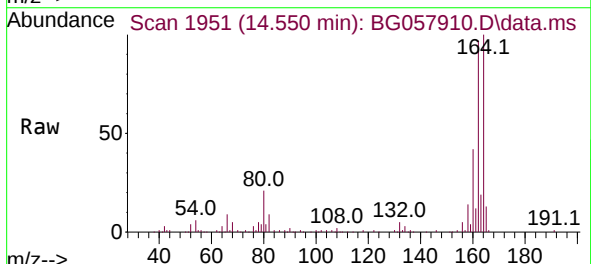
Tgt Ion:164 Resp: 150064

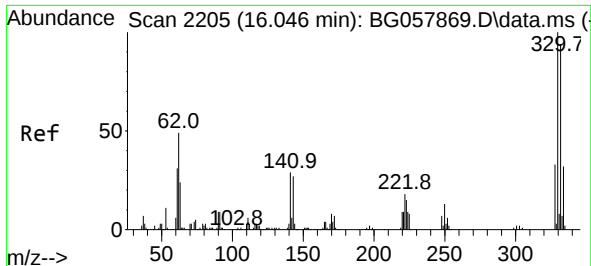
Ion Ratio Lower Upper

164 100

162 97.4 76.4 114.6

160 41.8 34.2 51.2





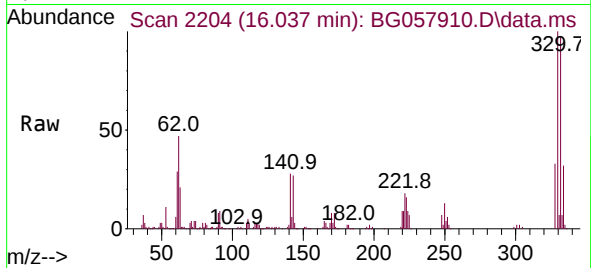
#42
2,4,6-Tribromophenol
Concen: 83.317 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

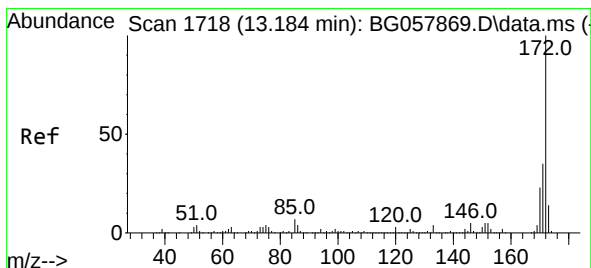
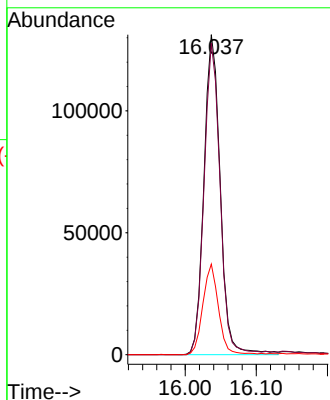
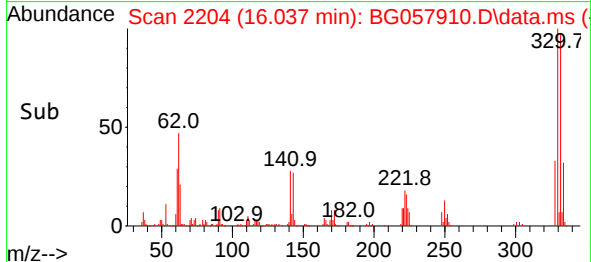


Tgt Ion:330 Resp: 20999
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 27.0 22.2 33.4

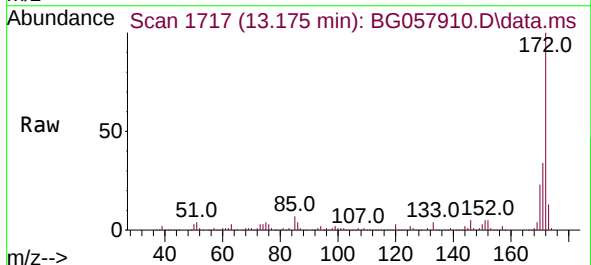
Manual Integrations

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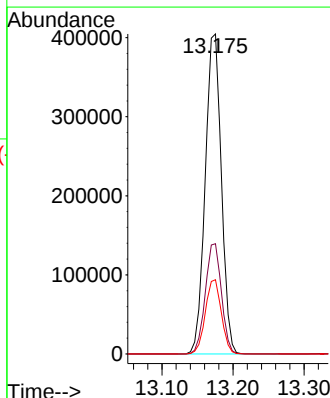
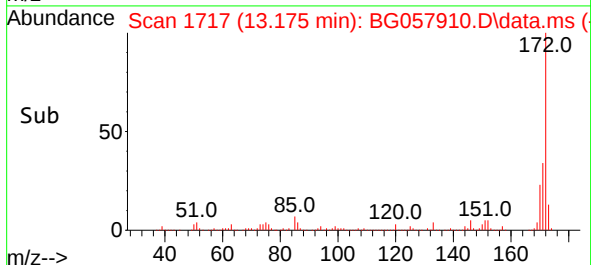
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

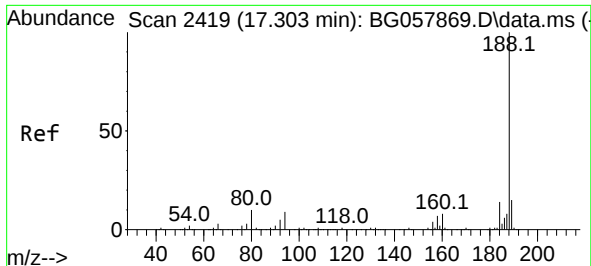


#45
2-Fluorobiphenyl
Concen: 64.972 ng
RT: 13.175 min Scan# 1717
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50



Tgt Ion:172 Resp: 638906
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 23.2 18.6 27.8





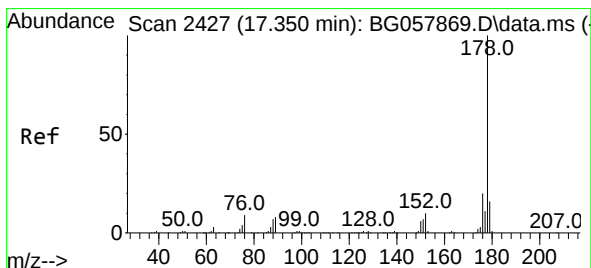
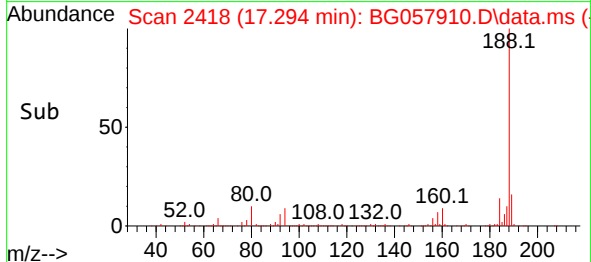
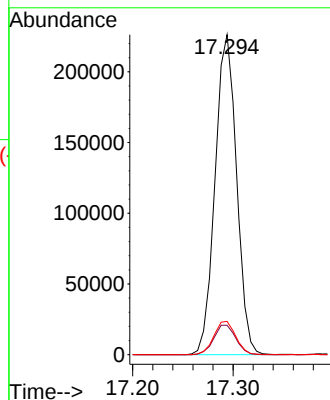
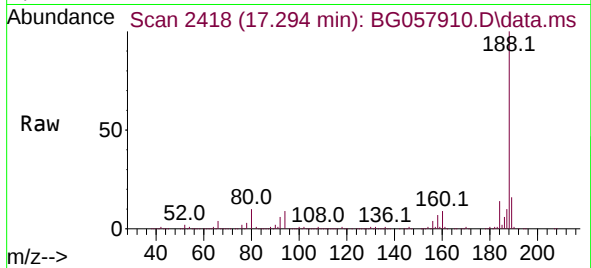
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.294 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Instrument :
BNA_G
ClientSampleId :
RT2665

Tgt Ion:188 Resp: 336333
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.4 8.4 12.6

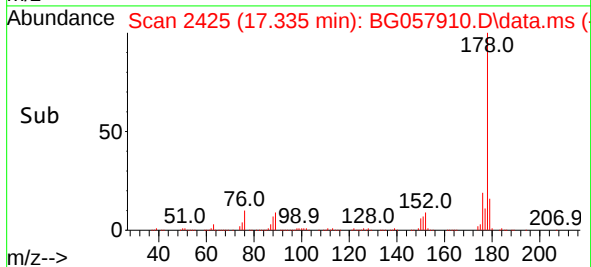
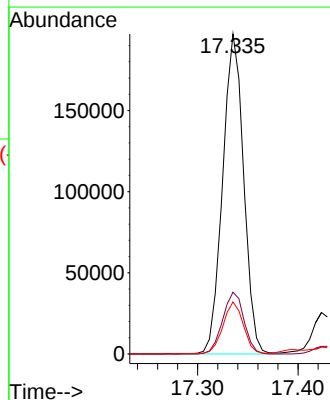
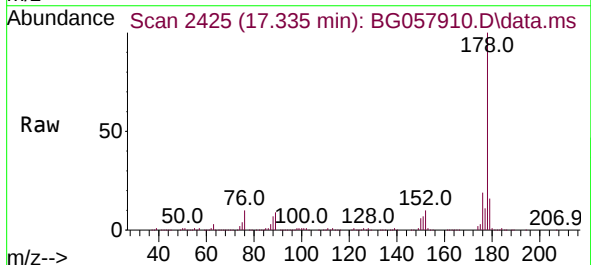
Manual Integrations
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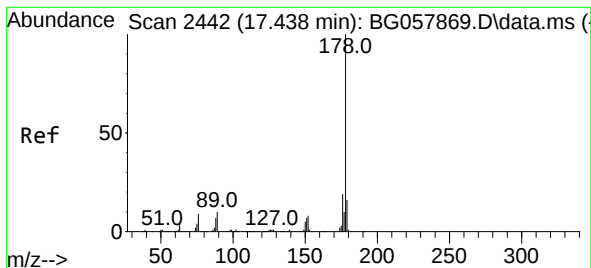
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#71
Phenanthrene
Concen: 17.738 ng
RT: 17.335 min Scan# 2425
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:178 Resp: 286376
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 16.3 13.2 19.8





#72

Anthracene

Concen: 2.184 ng

RT: 17.423 min Scan# 2442

Delta R.T. -0.015 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

Tgt Ion:178 Resp: 36360

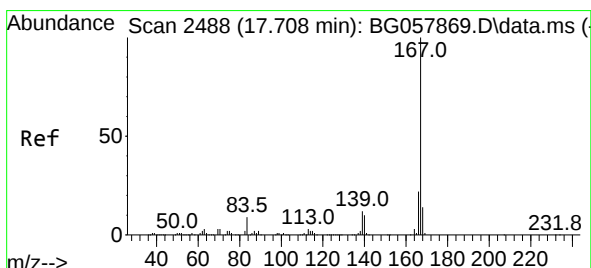
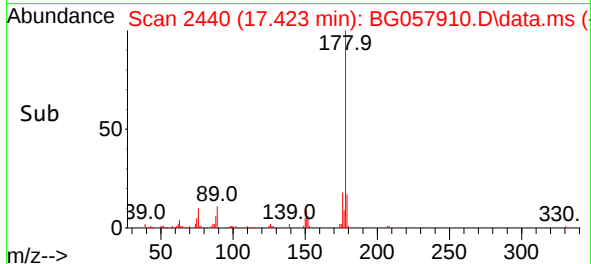
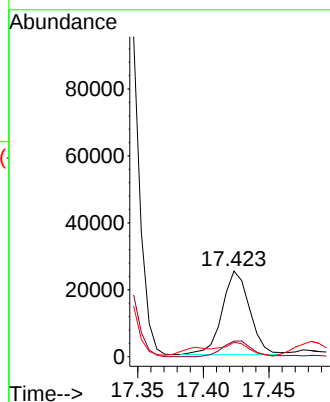
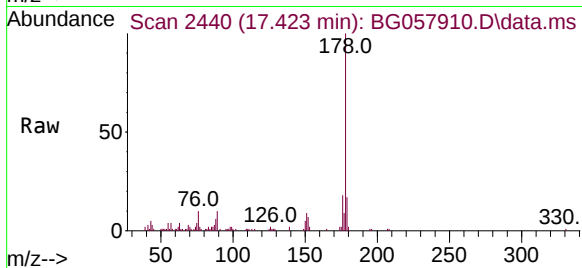
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	16.7	12.9	19.3

Manual Integrations

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Supervised By :mohammad ahmed 07/07/2023



#73

Carbazole

Concen: 2.155 ng

RT: 17.694 min Scan# 2486

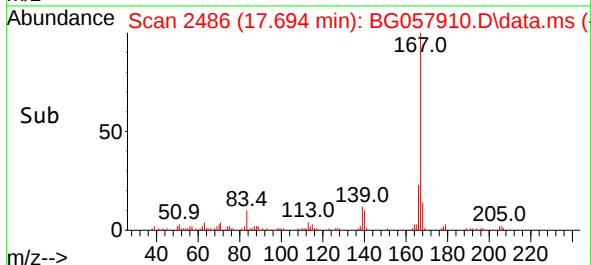
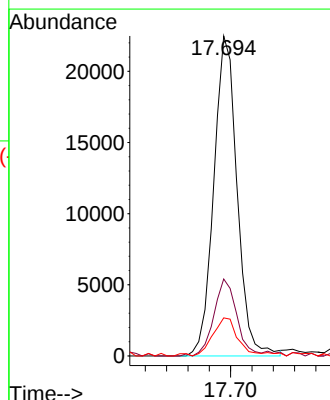
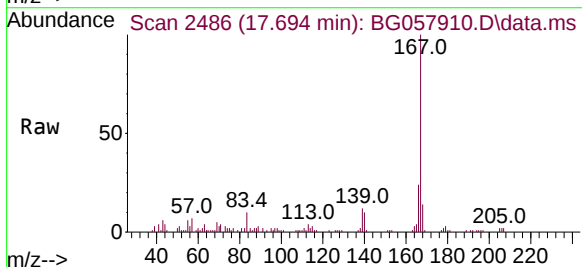
Delta R.T. -0.015 min

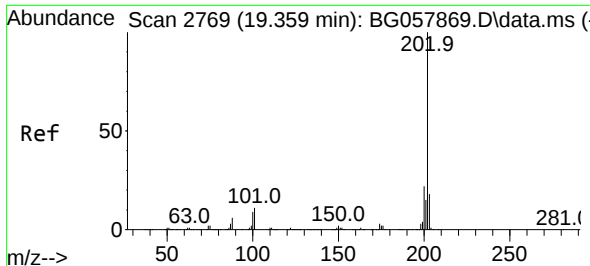
Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Tgt Ion:167 Resp: 34122

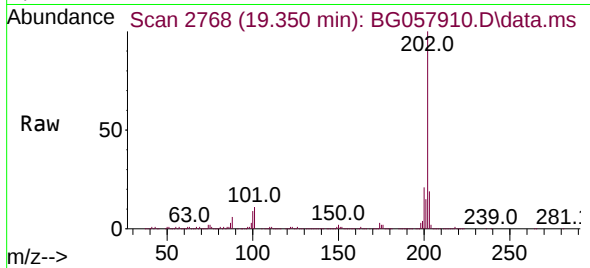
Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.8	26.8
139	11.9	9.8	14.8





#75
Fluoranthene
Concen: 34.677 ng
RT: 19.350 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

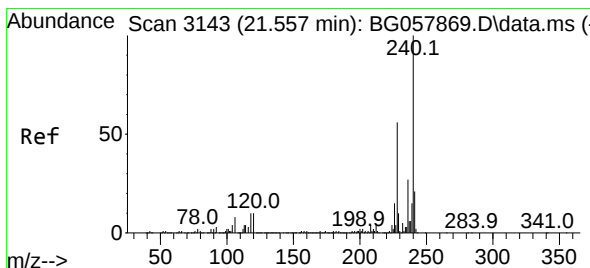
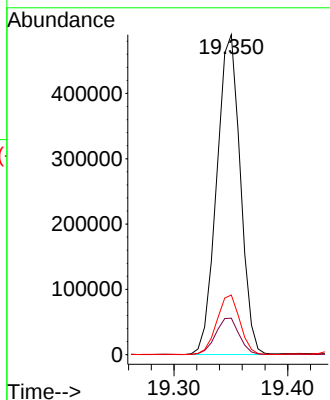
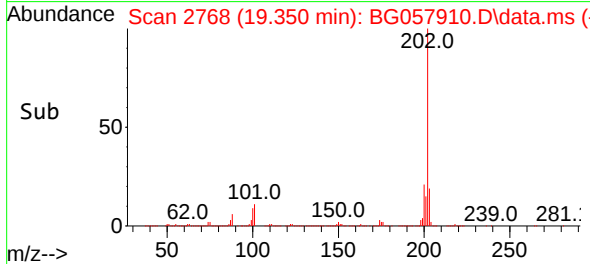
Instrument :
BNA_G
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RT2665



Tgt Ion:202 Resp: 705308
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 18.6 0.0 38.2

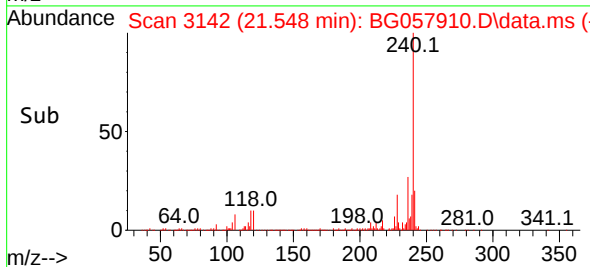
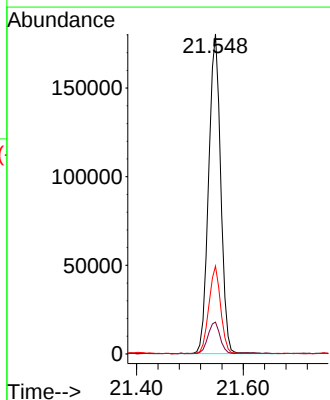
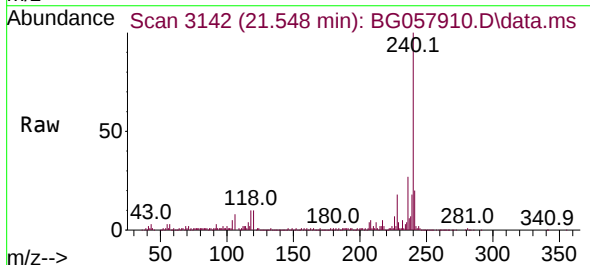
Manual Integrations
APPROVED

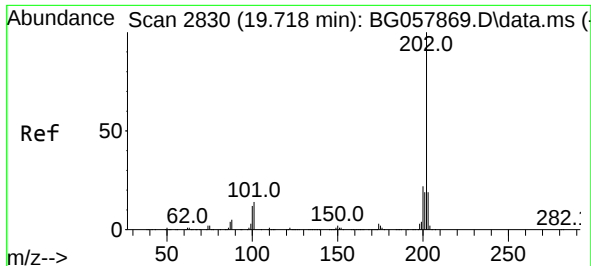
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Tgt Ion:240 Resp: 282450
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.5 21.9 32.9





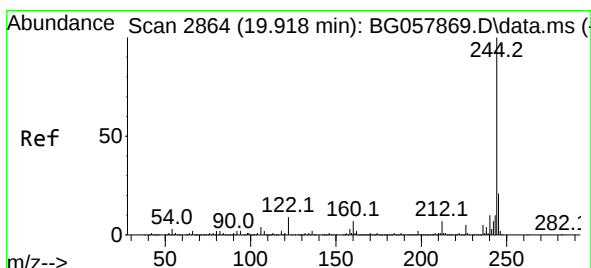
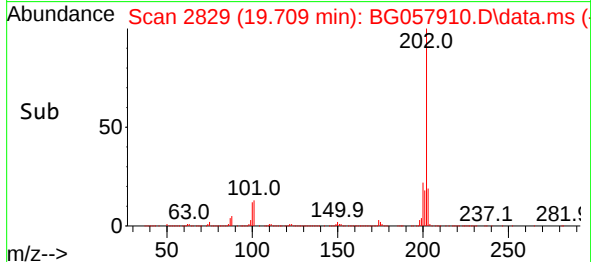
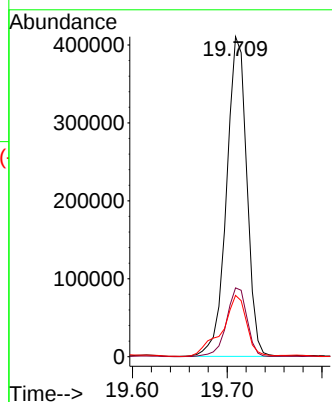
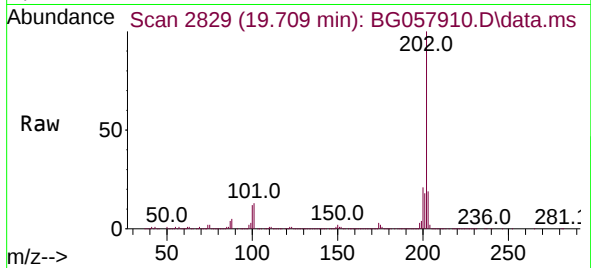
#78
Pyrene
Concen: 30.193 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Instrument :
BNA_G
ClientSampleId :
RT2665

Tgt Ion:202 Resp: 60893
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 19.1 15.2 22.8

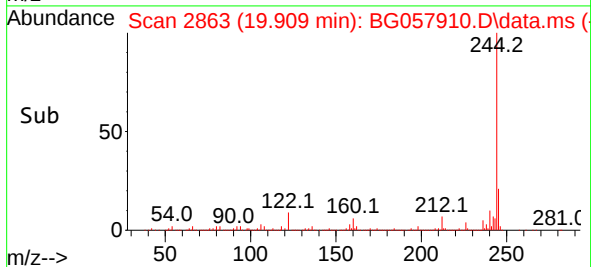
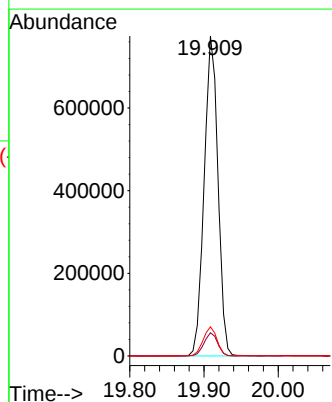
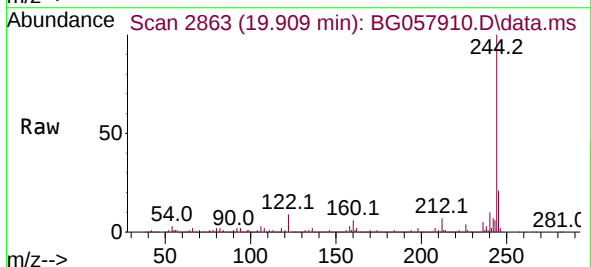
Manual Integrations
APPROVED

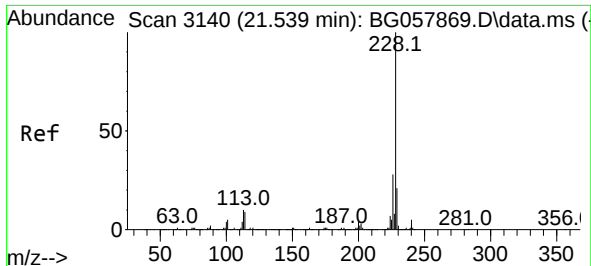
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#79
Terphenyl-d14
Concen: 64.553 ng
RT: 19.909 min Scan# 2863
Delta R.T. -0.009 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

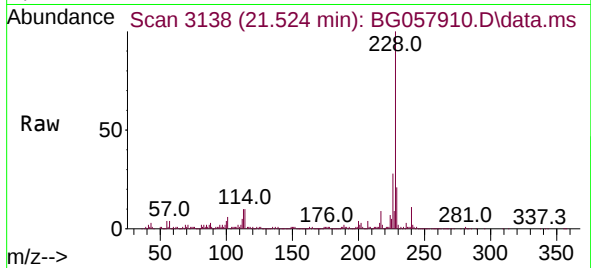
Tgt Ion:244 Resp: 1000109
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 9.1 7.4 11.0





#81
Benzo(a)anthracene
Concen: 14.620 ng
RT: 21.524 min Scan# 3140
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

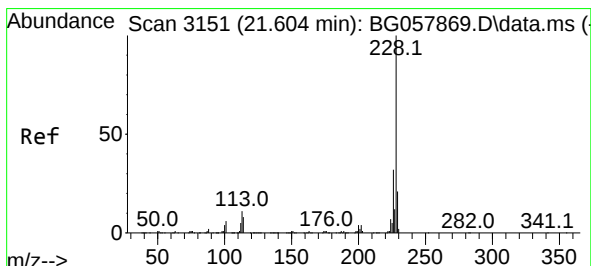
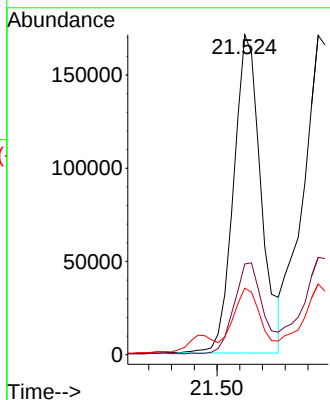
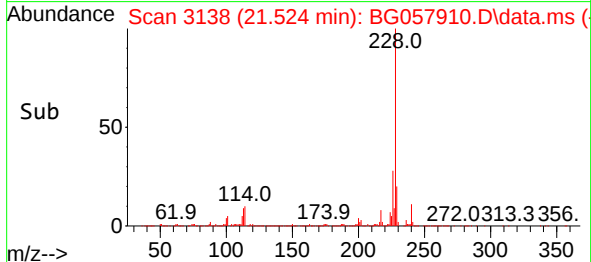
Instrument :
BNA_G
ClientSampleId :
RT2665



Tgt Ion:228 Resp: 28576
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 20.8 16.5 24.7

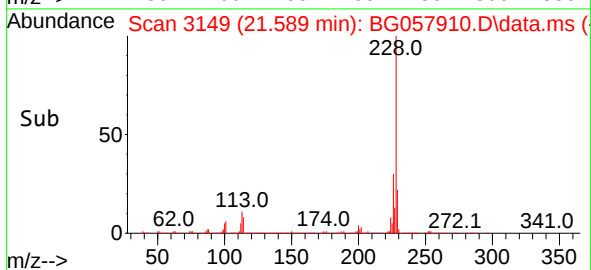
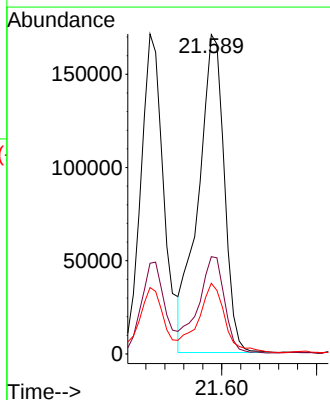
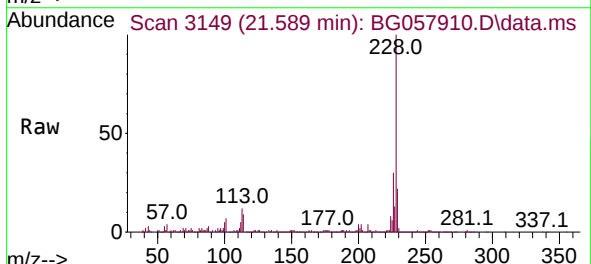
Manual Integrations
APPROVED

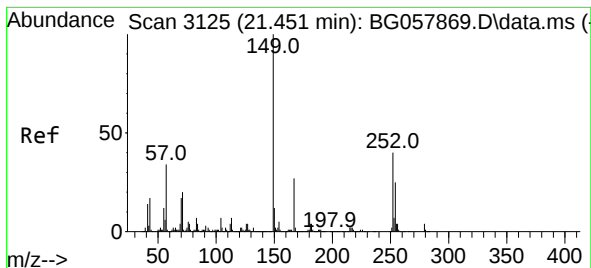
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#83
Chrysene
Concen: 17.504 ng
RT: 21.589 min Scan# 3149
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

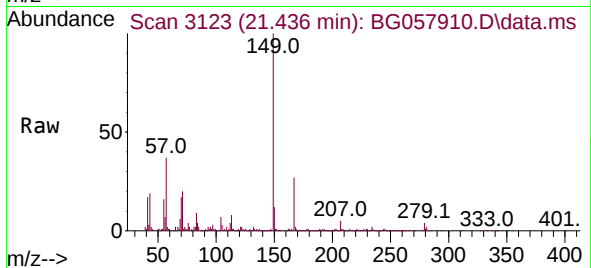
Tgt Ion:228 Resp: 323851
Ion Ratio Lower Upper
228 100
226 30.5 25.3 37.9
229 22.2 16.5 24.7





#84
Bis(2-ethylhexyl)phthalate
Concen: 14.196 ng
RT: 21.436 min Scan# 3125
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

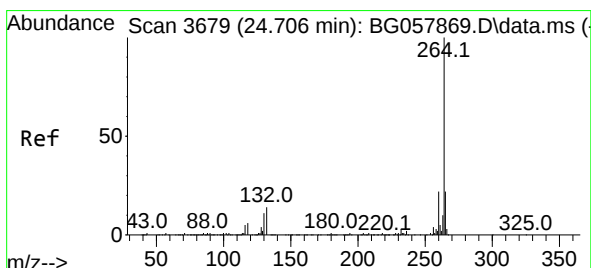
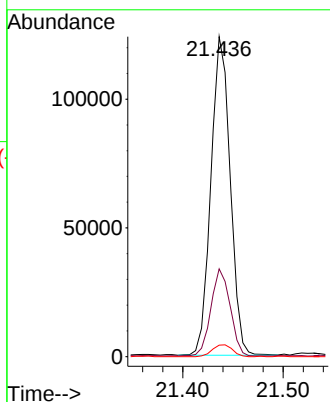
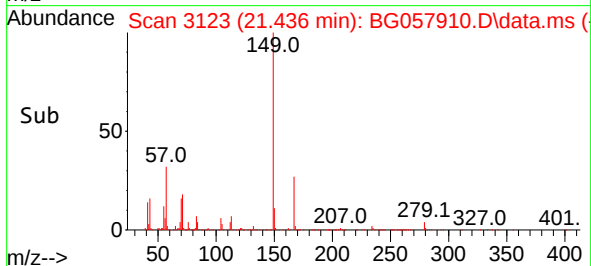
Instrument :
BNA_G
ClientSampleId :
RT2665



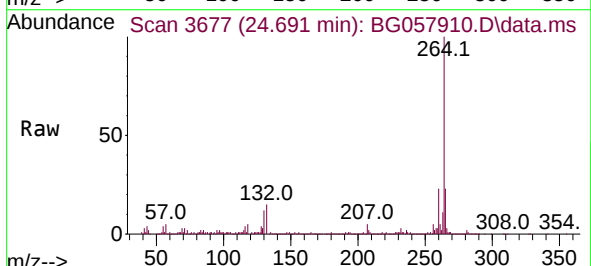
Tgt Ion:149 Resp: 164834
Ion Ratio Lower Upper
149 100
167 27.5 21.8 32.8
279 3.6 3.0 4.6

Manual Integrations
APPROVED

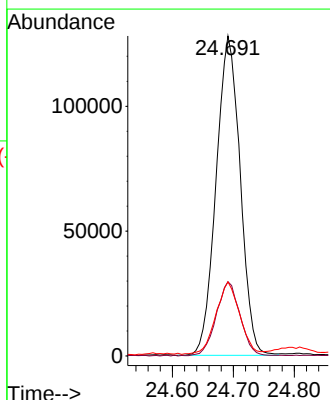
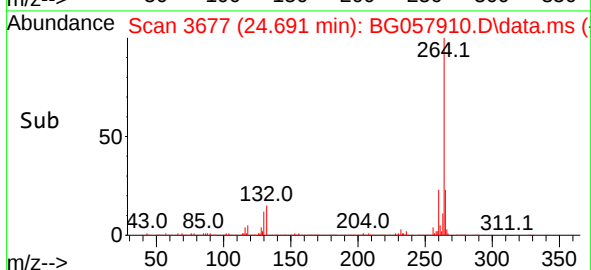
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023

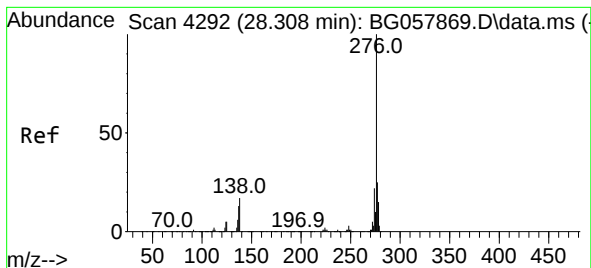


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.691 min Scan# 3677
Delta R.T. -0.015 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50



Tgt Ion:264 Resp: 350794
Ion Ratio Lower Upper
264 100
260 23.2 17.8 26.8
265 23.2 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.564 ng

RT: 28.264 min Scan# 41

Delta R.T. -0.044 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Instrument :

BNA_G

ClientSampleId :

RT2665

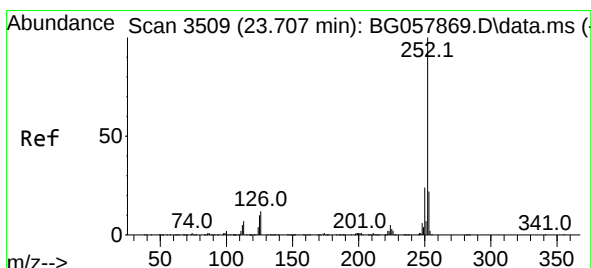
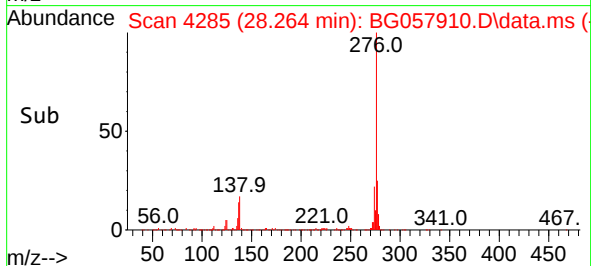
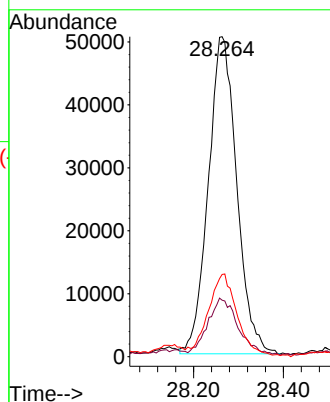
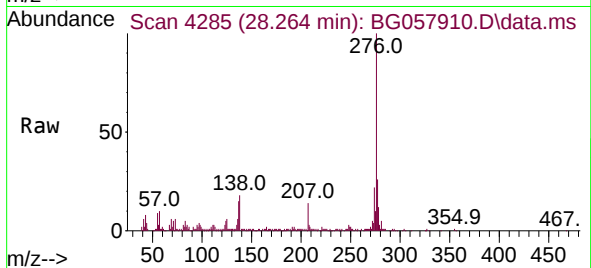
Tgt Ion:276 Resp: 222250
 Ion Ratio Lower Upper
 276 100
 138 19.0 12.2 18.4
 277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 07/07/2023



#88

Benzo(b)fluoranthene

Concen: 23.828 ng

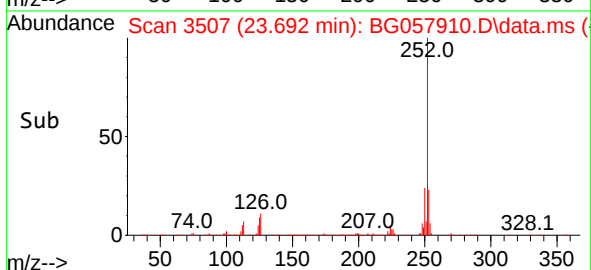
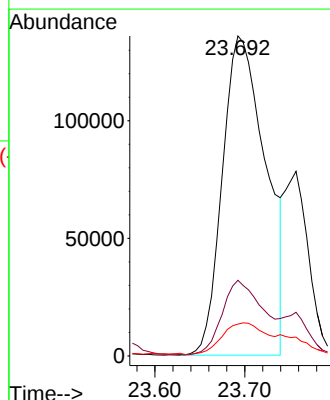
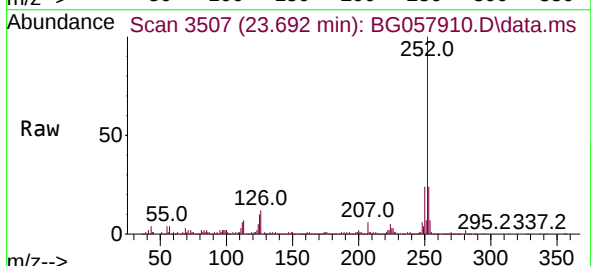
RT: 23.692 min Scan# 3507

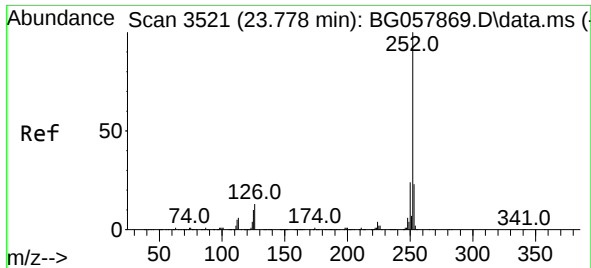
Delta R.T. -0.015 min

Lab File: BG057910.D

Acq: 29 Jun 2023 18:50

Tgt Ion:252 Resp: 455896
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 10.0 7.7 11.5





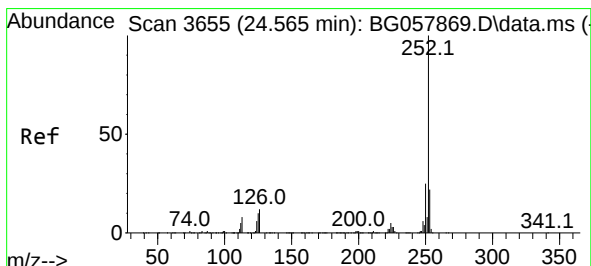
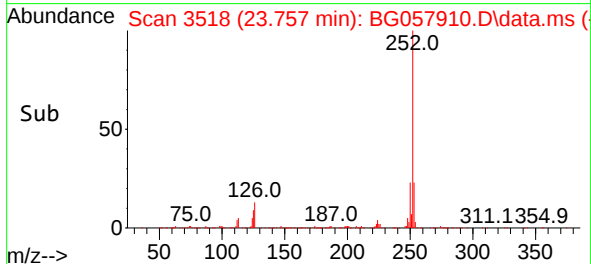
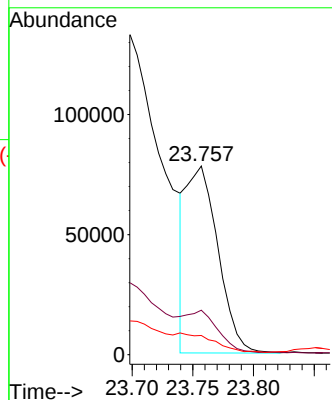
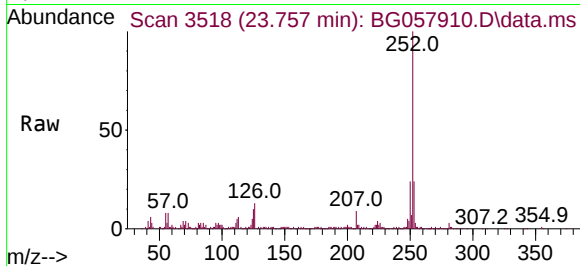
#89
Benzo(k)fluoranthene
Concen: 7.304 ng m
RT: 23.757 min Scan# 3518
Delta R.T. -0.021 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

Instrument :
BNA_G
ClientSampleId :
RT2665

Tgt Ion:252 Resp: 141240
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 10.2 7.8 11.6

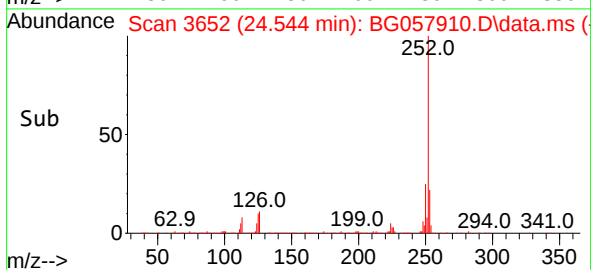
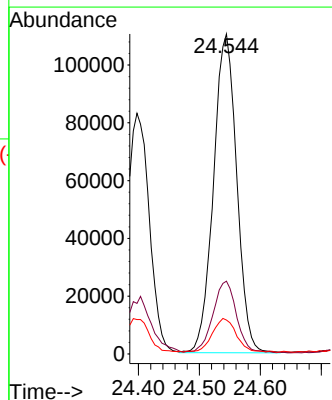
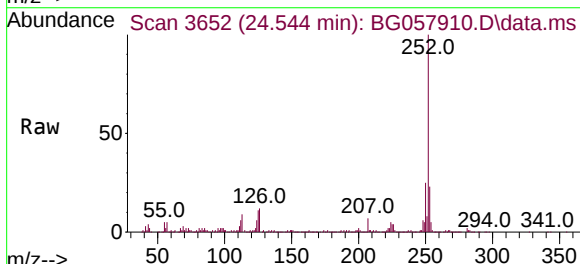
Manual Integrations
APPROVED

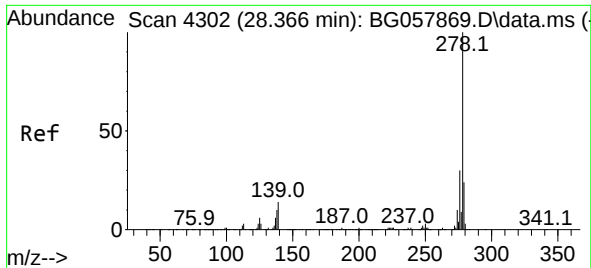
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#90
Benzo(a)pyrene
Concen: 15.430 ng
RT: 24.544 min Scan# 3652
Delta R.T. -0.021 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

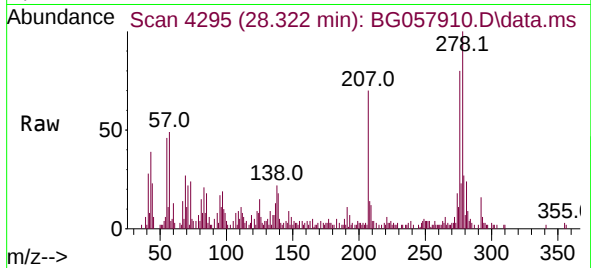
Tgt Ion:252 Resp: 292450
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.6 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 2.750 ng
RT: 28.322 min Scan# 41
Delta R.T. -0.044 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50

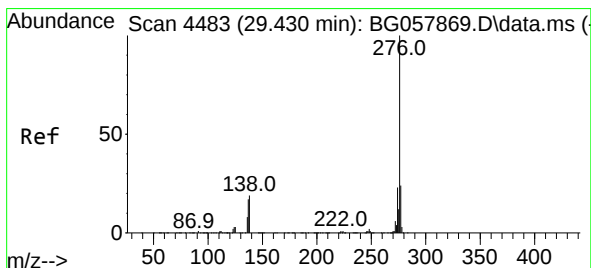
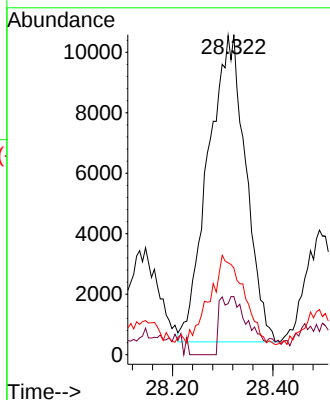
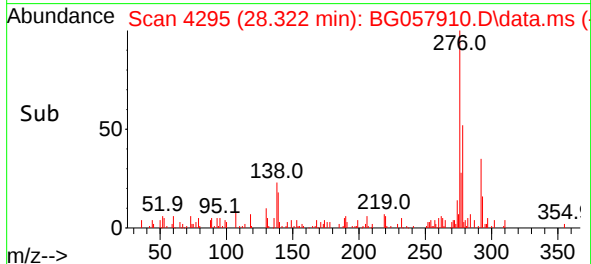
Instrument :
BNA_G
ClientSampleId :
RT2665



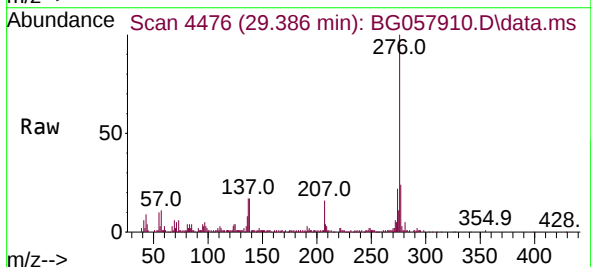
Tgt Ion:278 Resp: 53008
Ion Ratio Lower Upper
278 100
139 18.2 11.0 16.4
279 27.0 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 07/07/2023



#92
Benzo(g,h,i)perylene
Concen: 11.467 ng
RT: 29.386 min Scan# 4476
Delta R.T. -0.044 min
Lab File: BG057910.D
Acq: 29 Jun 2023 18:50



Tgt Ion:276 Resp: 219693
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 17.5 15.0 22.6

