

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057893.D
 Acq On : 28 Jun 2023 15:13
 Operator : CG/JU
 Sample : 03289-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 16:10:24 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	7.925	152	66711	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	277486	20.000	ng	0.00
39) Acenaphthene-d10	14.559	164	167989	20.000	ng	0.00
64) Phenanthrene-d10	17.303	188	353219	20.000	ng	0.00
76) Chrysene-d12	21.562	240	285453	20.000	ng	0.00
86) Perylene-d12	24.723	264	327808	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	347707	79.746	ng	0.00
7) Phenol-d6	7.085	99	478109	73.329	ng	0.00
23) Nitrobenzene-d5	9.083	82	289179	51.073	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	182691	64.749	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	585498	53.188	ng	0.00
79) Terphenyl-d14	19.923	244	792059	50.586	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.350	178	438865	25.883	ng	98
72) Anthracene	17.438	178	96113	5.496	ng	99
75) Fluoranthene	19.359	202	815301	38.168	ng	98
78) Pyrene	19.723	202	766459	37.604	ng	100
81) Benzo(a)anthracene	21.545	228	448391	22.698	ng	99
83) Chrysene	21.609	228	414626	22.174	ng	98
87) Indeno(1,2,3-cd)pyrene	28.319	276	140190	6.456	ng	# 87
88) Benzo(b)fluoranthene	23.724	252	472999	26.455	ng	# 96
89) Benzo(k)fluoranthene	23.777	252	218344m	12.083	ng	
90) Benzo(a)pyrene	24.571	252	367216	20.734	ng	97
92) Benzo(g,h,i)perylene	29.435	276	98061	5.477	ng	92

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

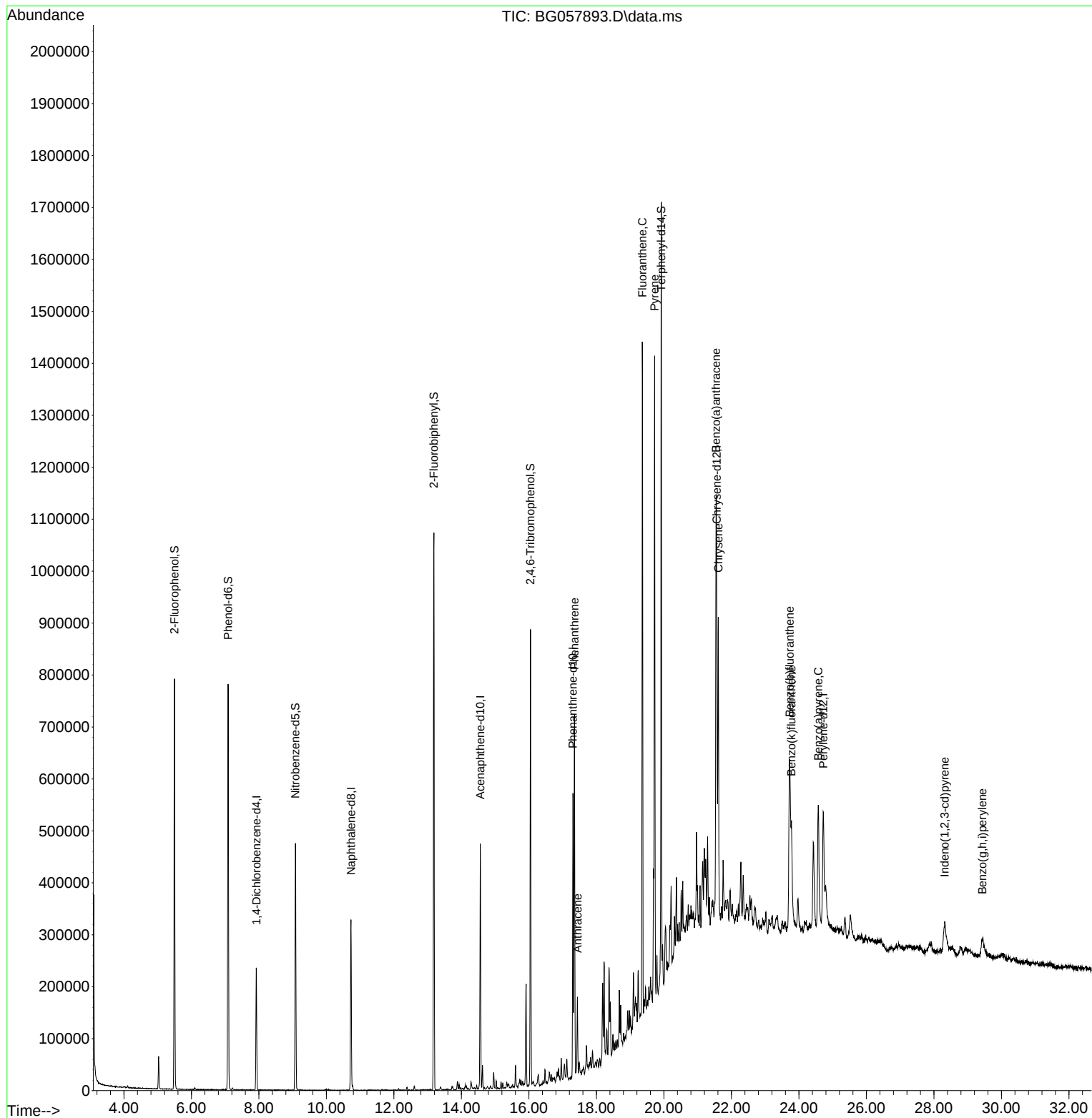
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057893.D
Acq On : 28 Jun 2023 15:13
Operator : CG/JU
Sample : 03289-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

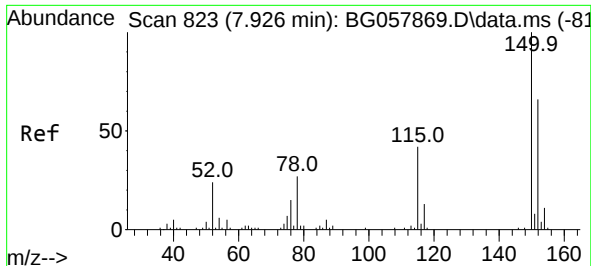
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Quant Time: Jun 28 16:10:24 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

Manual Integrations
APPROVED

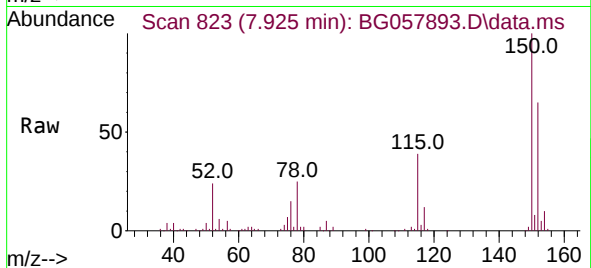
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

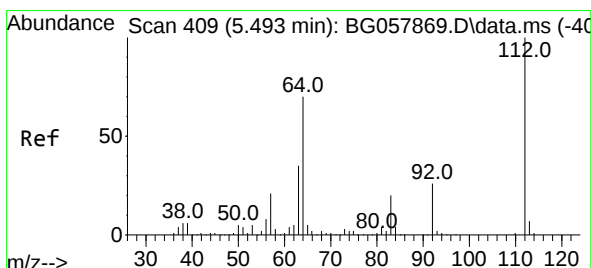
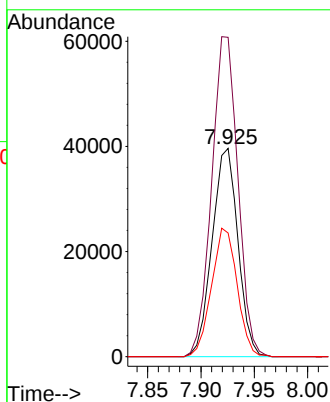
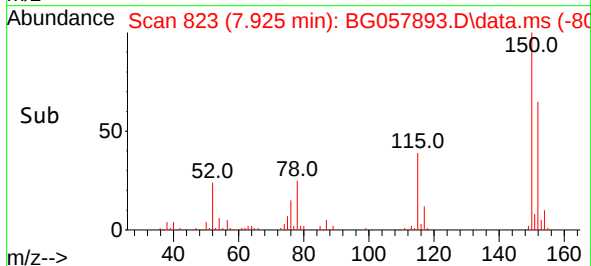
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



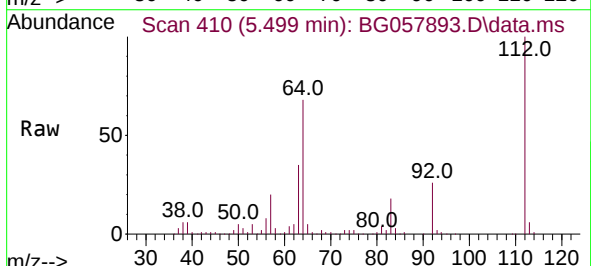
Tgt Ion:152 Resp: 6671
Ion Ratio Lower Upper
152 100
150 153.3 122.0 183.0
115 59.4 50.7 76.1

Manual Integrations
APPROVED

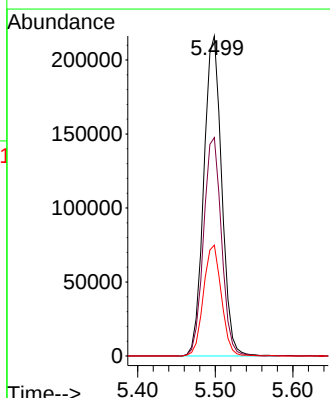
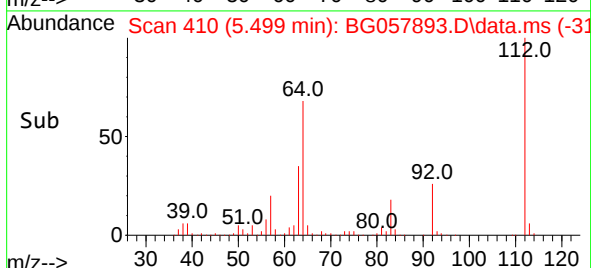
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

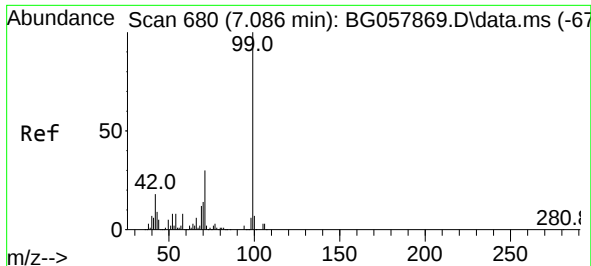


#5
2-Fluorophenol
Concen: 79.746 ng
RT: 5.499 min Scan# 410
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13



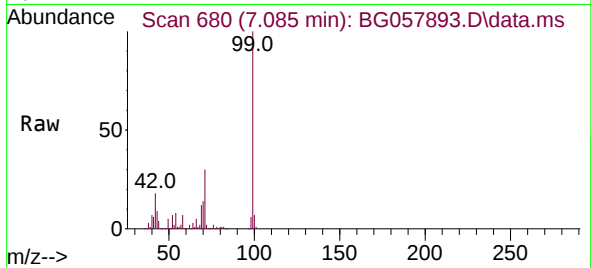
Tgt Ion:112 Resp: 347707
Ion Ratio Lower Upper
112 100
64 68.2 55.8 83.6
63 34.7 27.9 41.9





#7
Phenol-d6
Concen: 73.329 ng
RT: 7.085 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

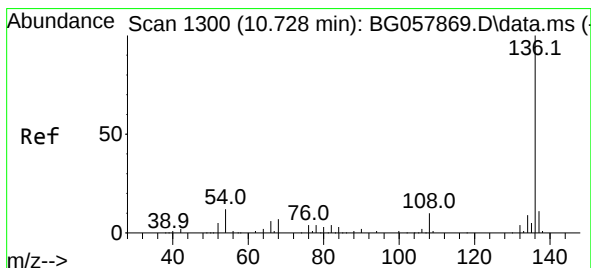
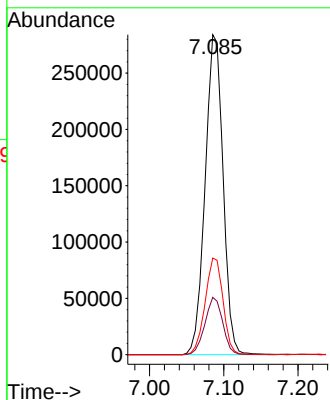
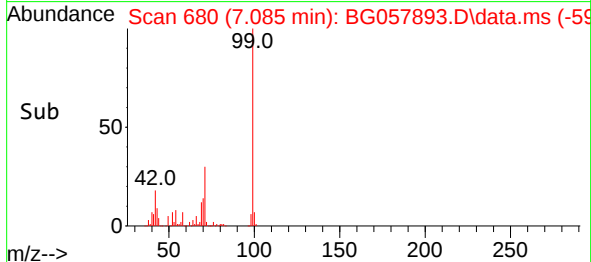
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion: 99 Resp: 478109
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 30.2 23.9 35.9

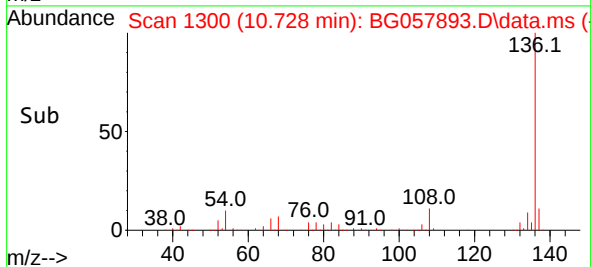
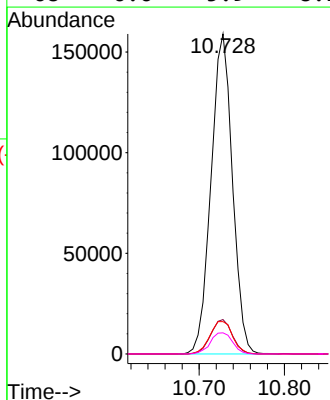
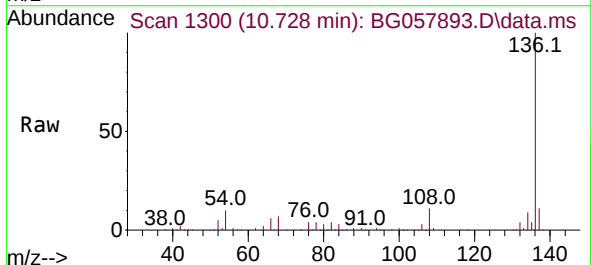
Manual Integrations
APPROVED

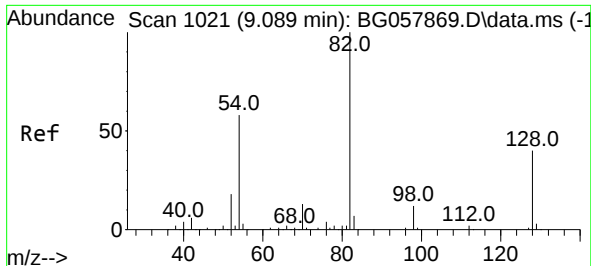
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:136 Resp: 277486
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.1 9.3 13.9
68 6.6 5.9 8.9





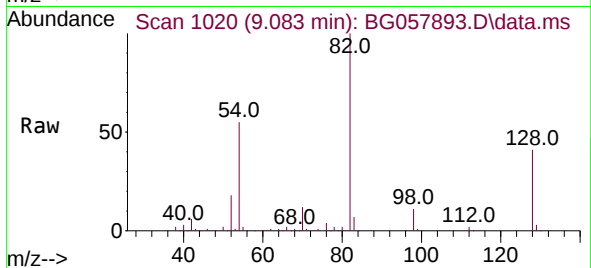
#23
Nitrobenzene-d5
Concen: 51.073 ng
RT: 9.083 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

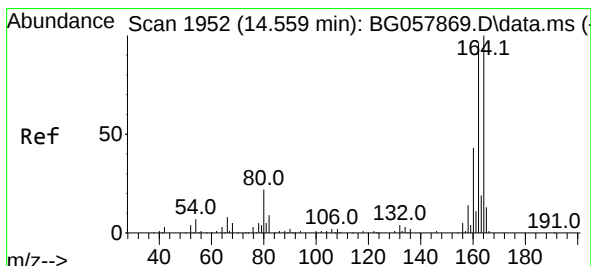
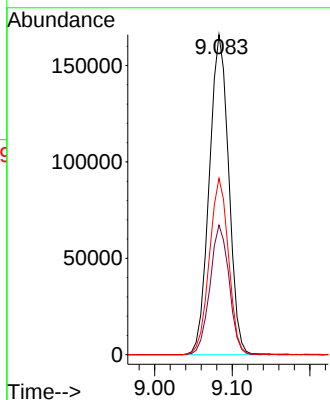
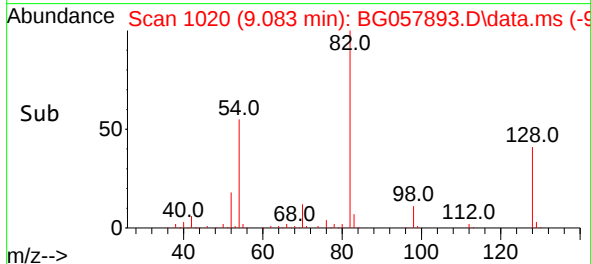


Tgt Ion: 82 Resp: 289179
Ion Ratio Lower Upper
82 100
128 40.5 32.2 48.4
54 55.1 46.1 69.1

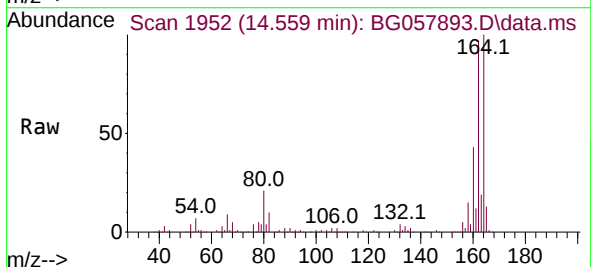
Manual Integrations

APPROVED

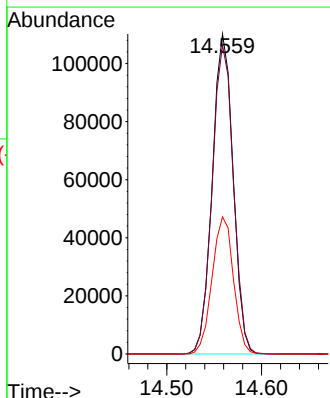
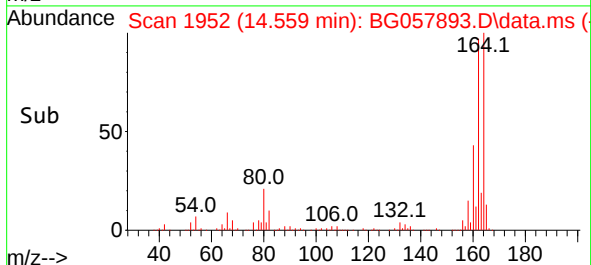
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

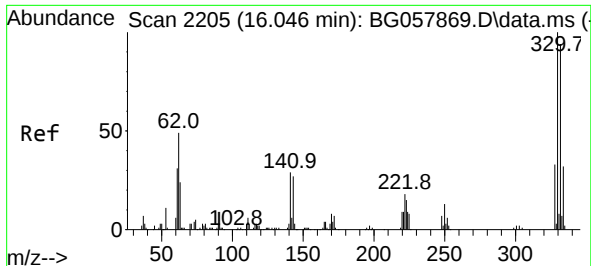


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13



Tgt Ion:164 Resp: 167989
Ion Ratio Lower Upper
164 100
162 96.6 76.4 114.6
160 42.9 34.2 51.2





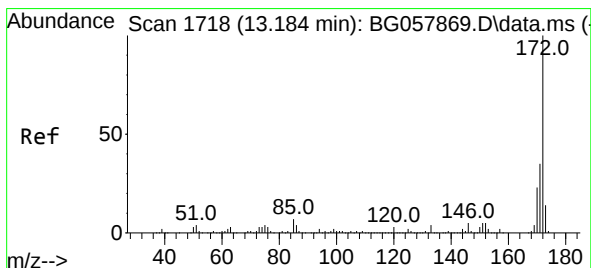
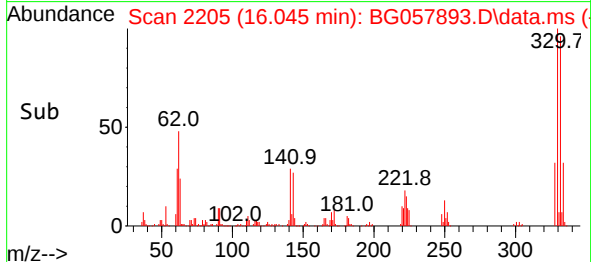
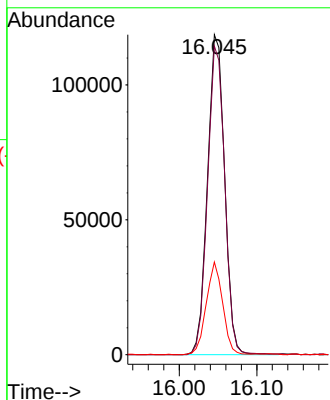
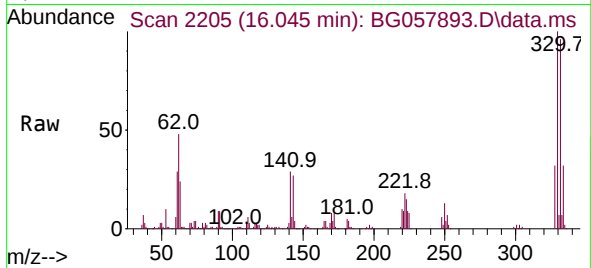
#42
2,4,6-Tribromophenol
Concen: 64.749 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:330 Resp: 18269
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 27.9 22.2 33.4

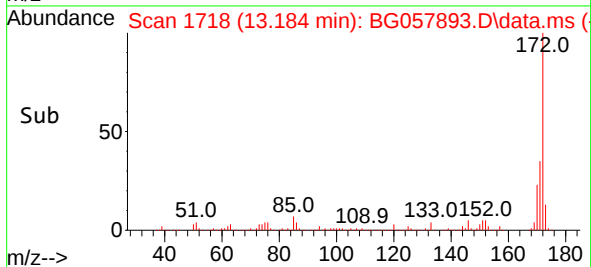
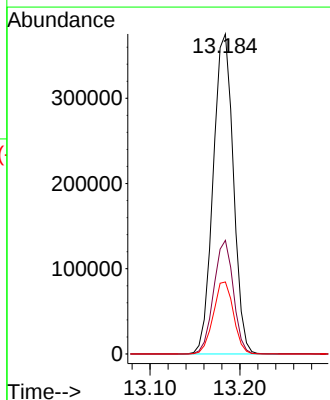
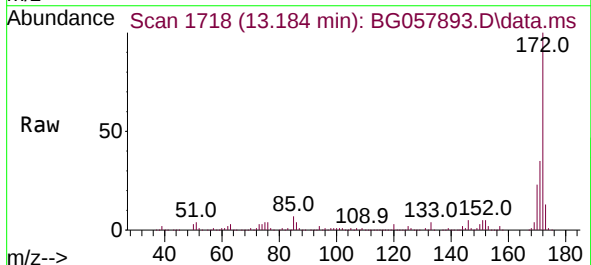
Manual Integrations
APPROVED

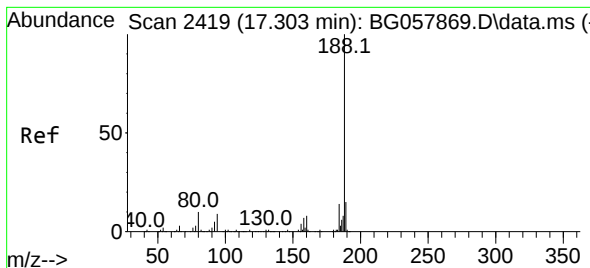
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#45
2-Fluorobiphenyl
Concen: 53.188 ng
RT: 13.184 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

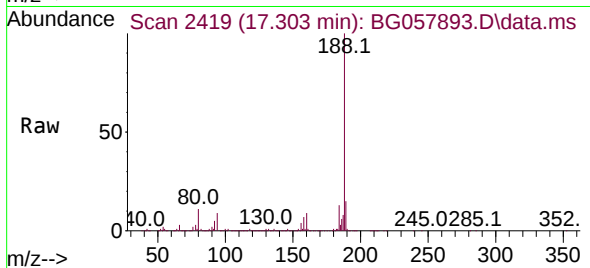
Tgt Ion:172 Resp: 585498
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 22.5 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.303 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

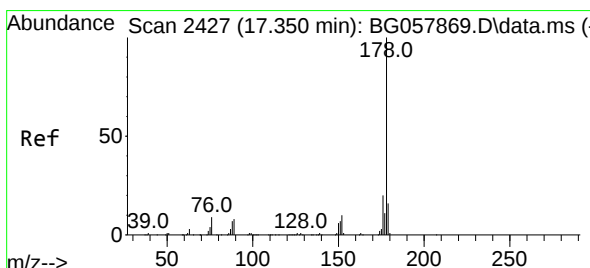
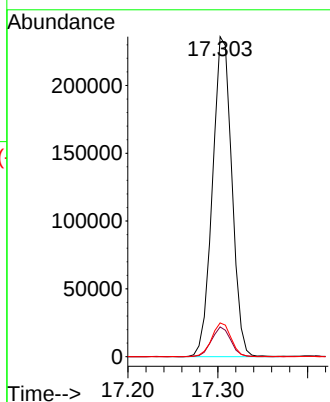
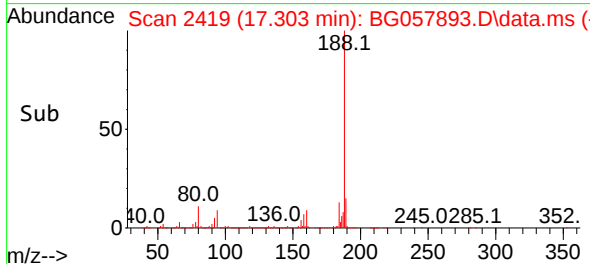
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:188 Resp: 353219
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.6 8.4 12.6

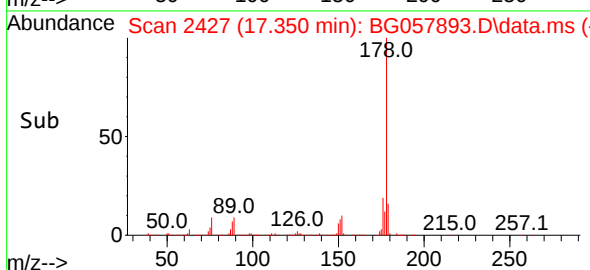
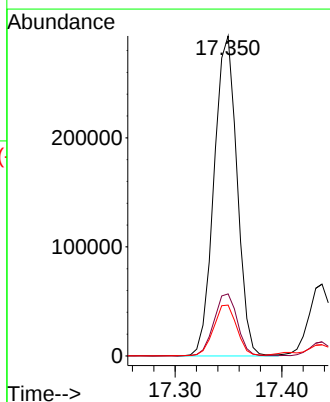
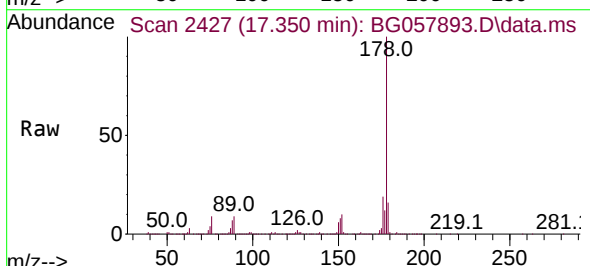
Manual Integrations
APPROVED

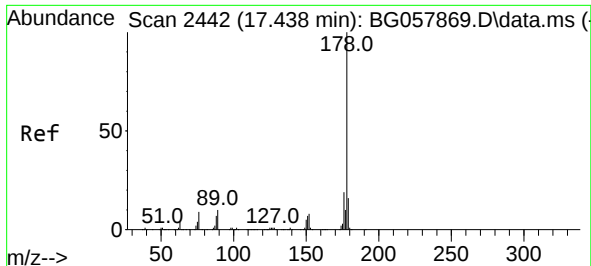
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 25.883 ng
RT: 17.350 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

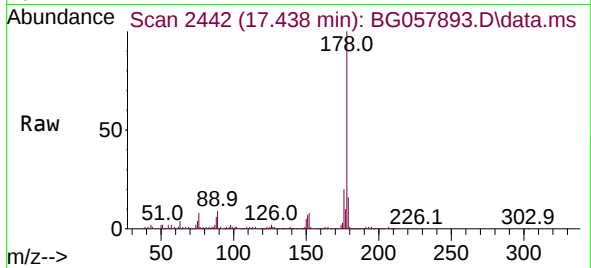
Tgt Ion:178 Resp: 438865
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.9 13.2 19.8





#72
 Anthracene
 Concen: 5.496 ng
 RT: 17.438 min Scan# 2442
 Delta R.T. -0.000 min
 Lab File: BG057893.D
 Acq: 28 Jun 2023 15:13

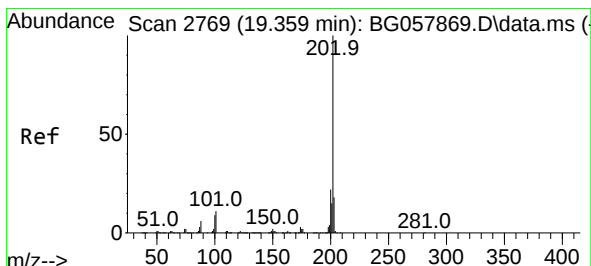
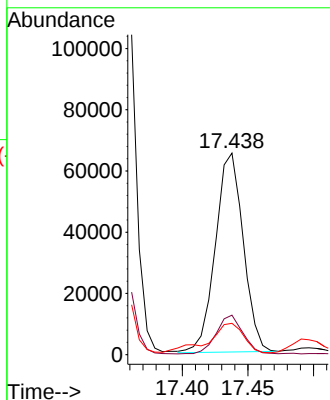
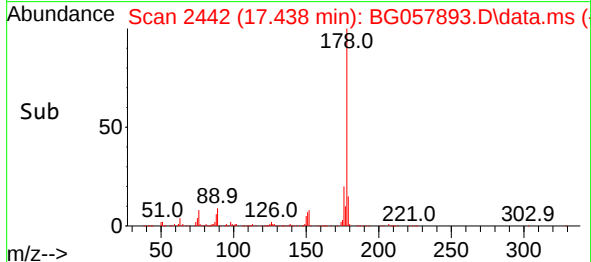
Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0



Tgt Ion:178 Resp: 9611
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.0
 179 15.6 12.9 19.3

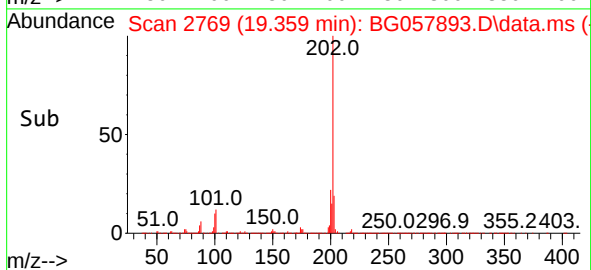
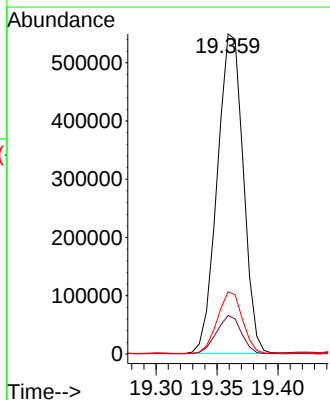
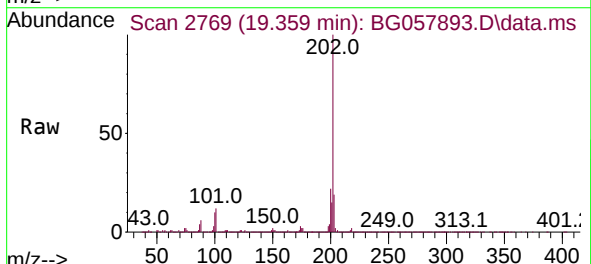
Manual Integrations
 APPROVED

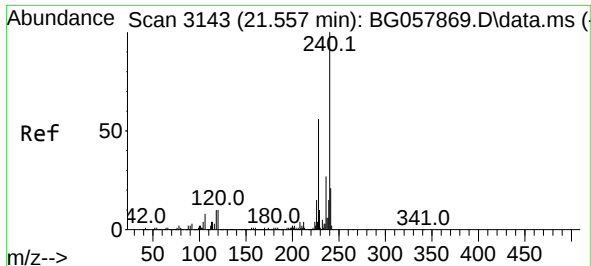
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#75
 Fluoranthene
 Concen: 38.168 ng
 RT: 19.359 min Scan# 2769
 Delta R.T. -0.000 min
 Lab File: BG057893.D
 Acq: 28 Jun 2023 15:13

Tgt Ion:202 Resp: 815301
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.3
 203 19.4 0.0 38.2





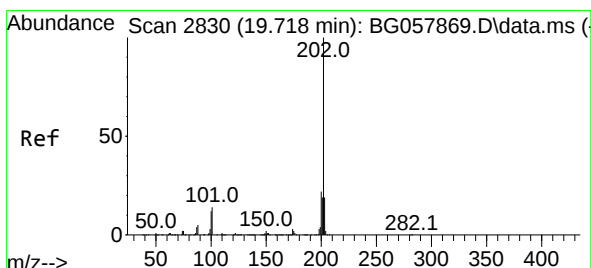
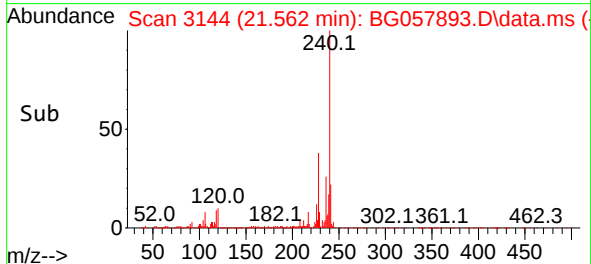
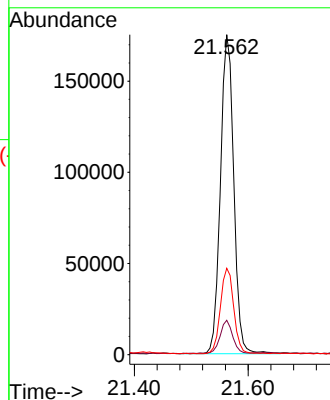
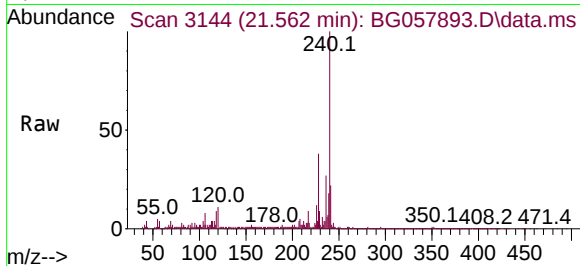
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3144
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:240 Resp: 28545
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 27.0 21.9 32.9

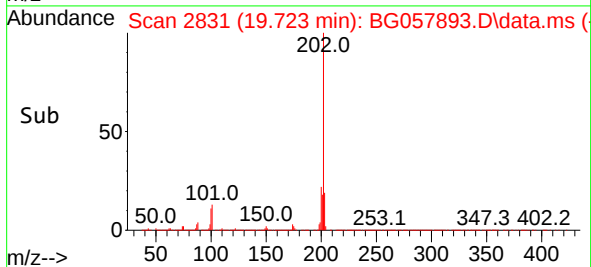
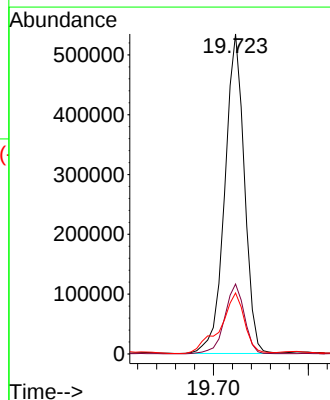
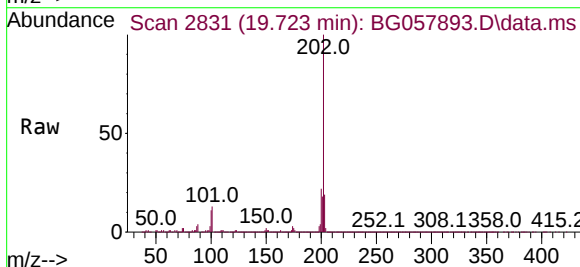
Manual Integrations
APPROVED

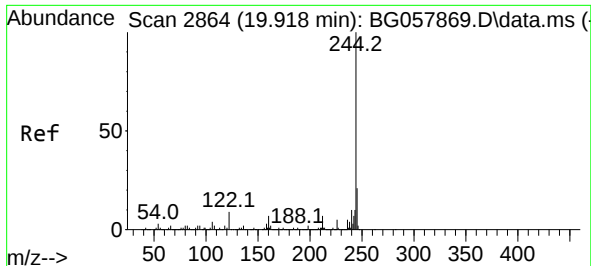
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#78
Pyrene
Concen: 37.604 ng
RT: 19.723 min Scan# 2831
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:202 Resp: 766459
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 19.1 15.2 22.8





#79
Terphenyl-d14
Concen: 50.586 ng
RT: 19.923 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

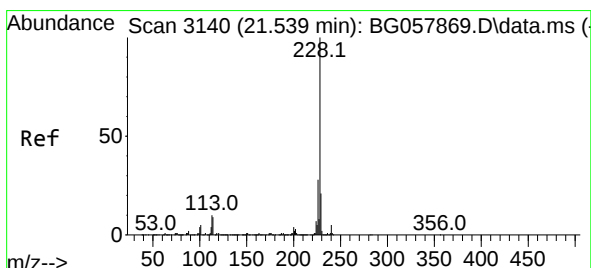
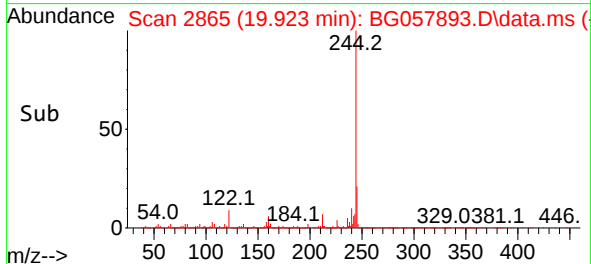
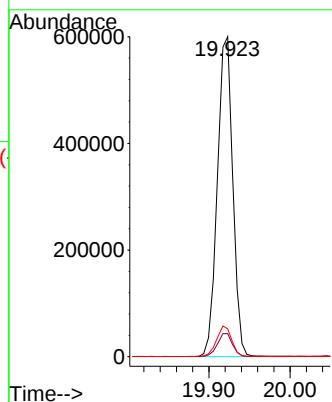
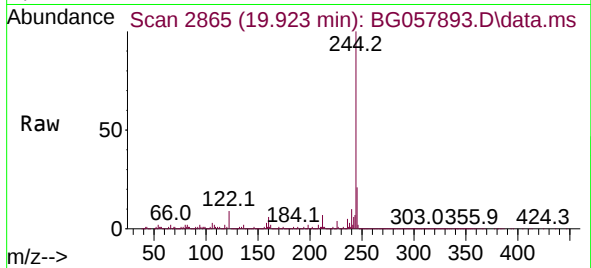
SB-05-0-2.0

Tgt Ion:244 Resp: 792059
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 8.7 7.4 11.0

Manual Integrations

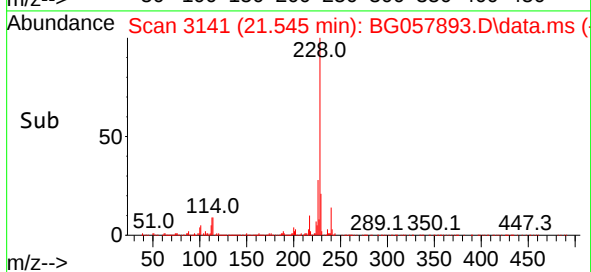
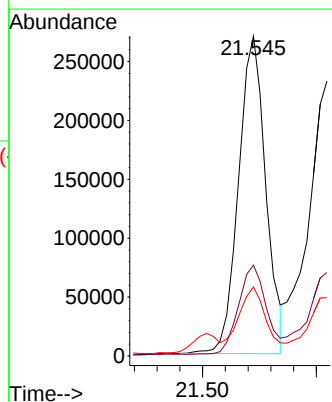
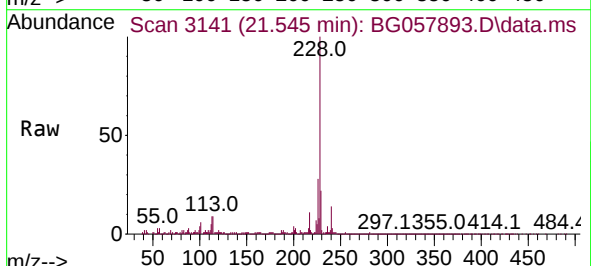
APPROVED

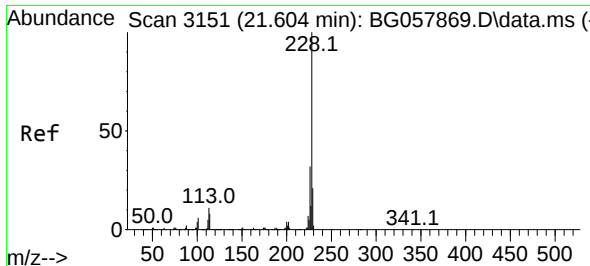
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#81
Benzo(a)anthracene
Concen: 22.698 ng
RT: 21.545 min Scan# 3141
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

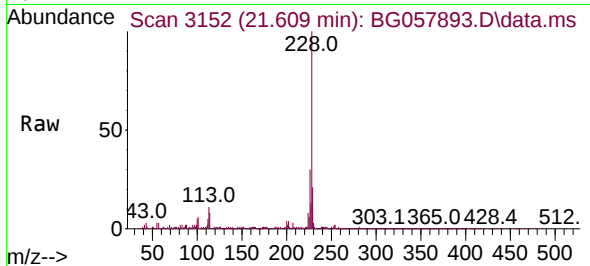
Tgt Ion:228 Resp: 448391
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.6 16.5 24.7





#83
Chrysene
Concen: 22.174 ng
RT: 21.609 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

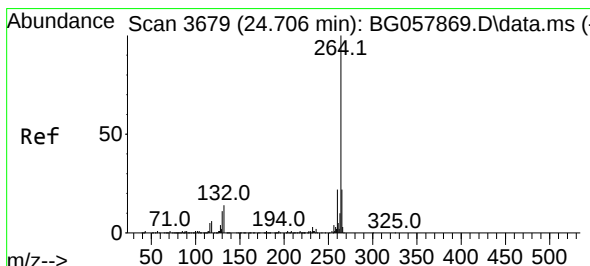
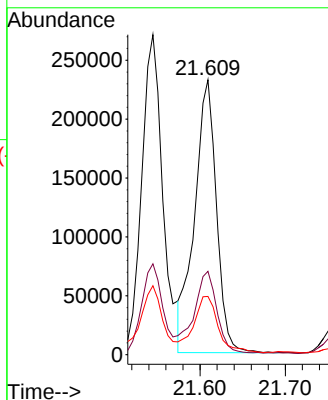
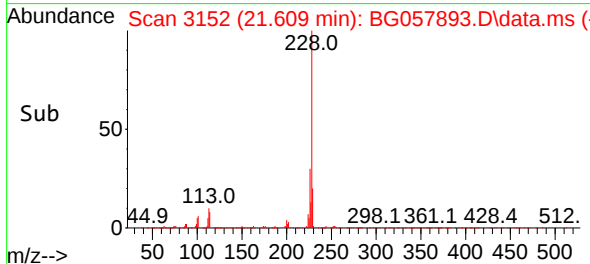
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:228 Resp: 414620
Ion Ratio Lower Upper
228 100
226 30.3 25.3 37.9
229 21.2 16.5 24.7

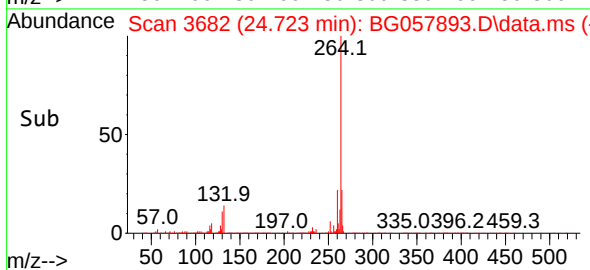
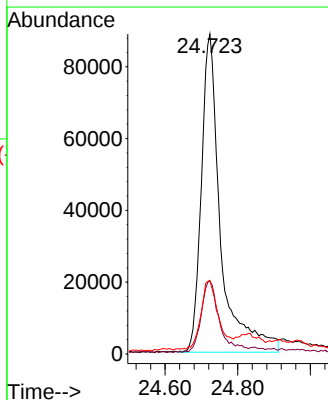
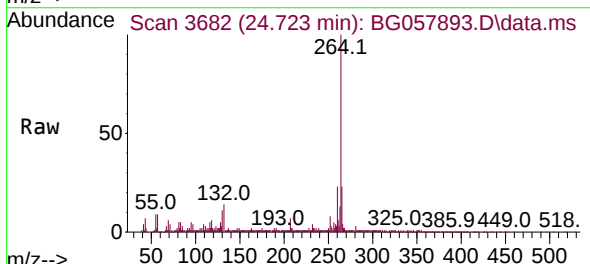
Manual Integrations
APPROVED

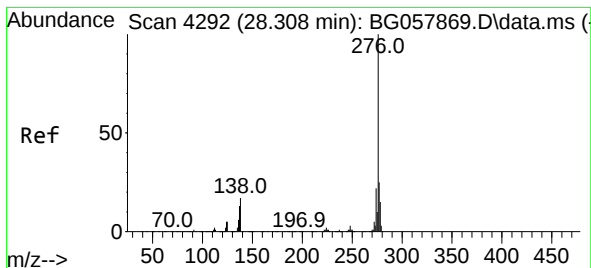
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.723 min Scan# 3682
Delta R.T. 0.017 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Tgt Ion:264 Resp: 327808
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.8
265 23.0 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.456 ng

RT: 28.319 min Scan# 41

Delta R.T. 0.011 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

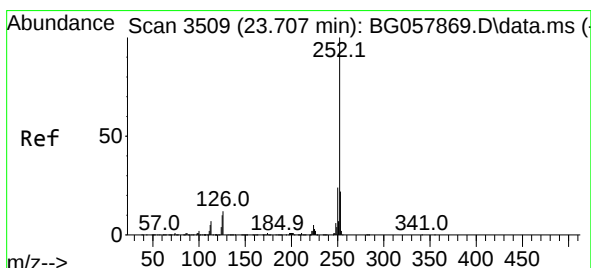
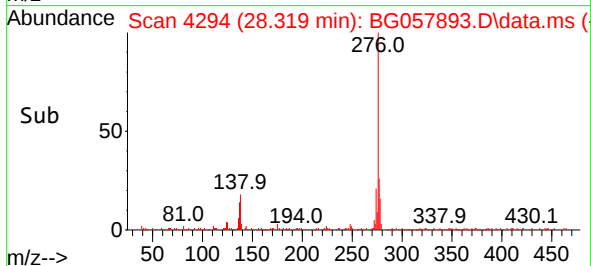
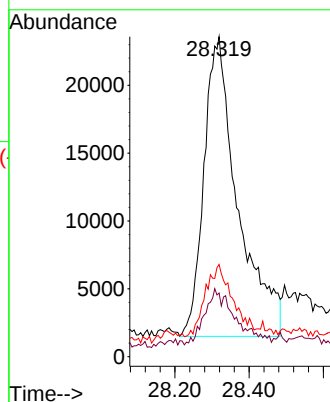
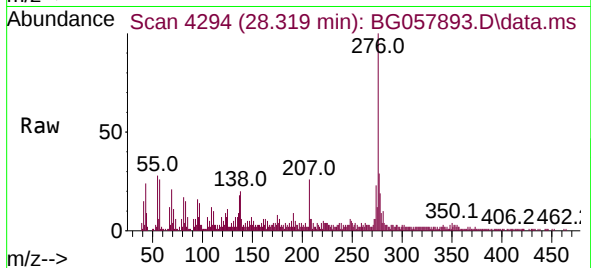
Tgt Ion:	276	Resp:	140190
Ion Ratio	Lower	Upper	
276	100		
138	8.7	12.2	18.4
277	19.6	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#88

Benzo(b)fluoranthene

Concen: 26.455 ng

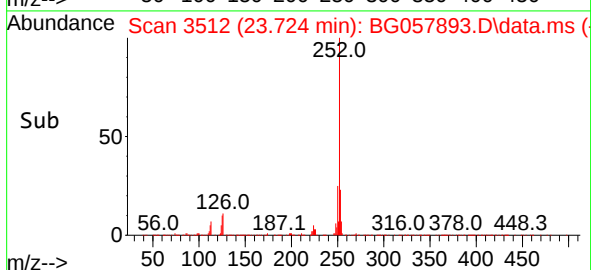
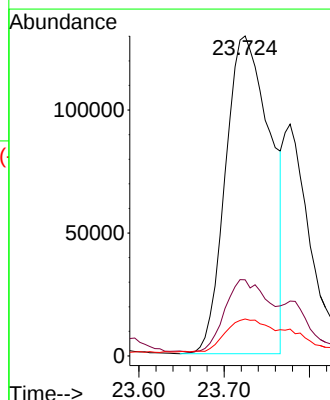
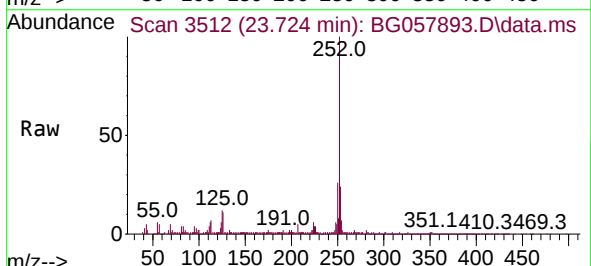
RT: 23.724 min Scan# 3512

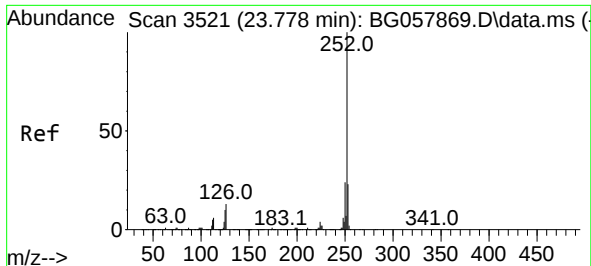
Delta R.T. 0.017 min

Lab File: BG057893.D

Acq: 28 Jun 2023 15:13

Tgt Ion:	252	Resp:	472999
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	11.6	7.7	11.5





#89
Benzo(k)fluoranthene
Concen: 12.083 ng m
RT: 23.777 min Scan# 3521
Delta R.T. -0.000 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :

BNA_G

ClientSampleId :

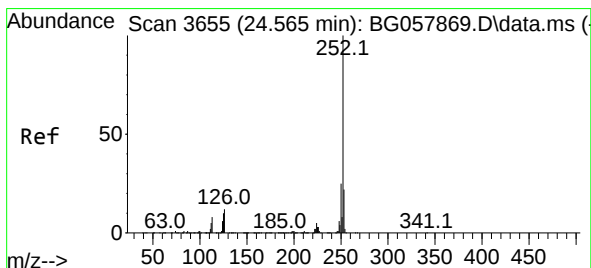
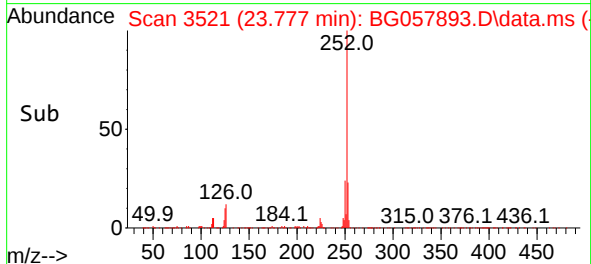
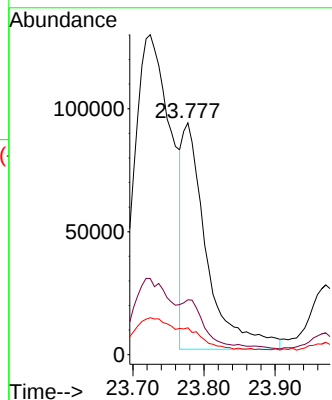
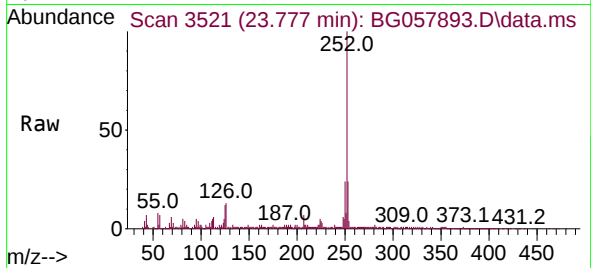
SB-05-0-2.0

Tgt Ion:252 Resp: 218344
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 11.6 7.8 11.6

Manual Integrations

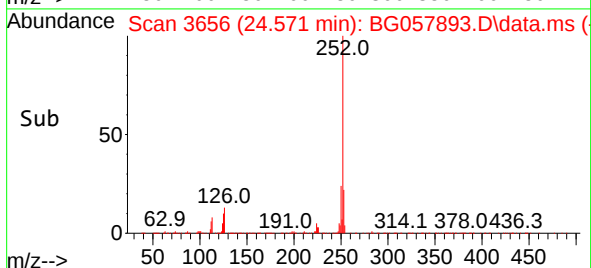
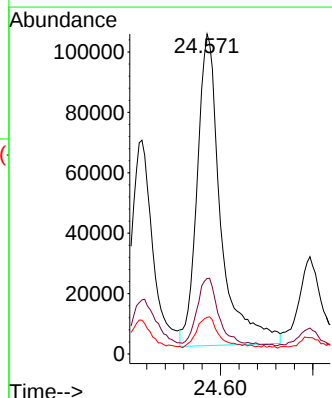
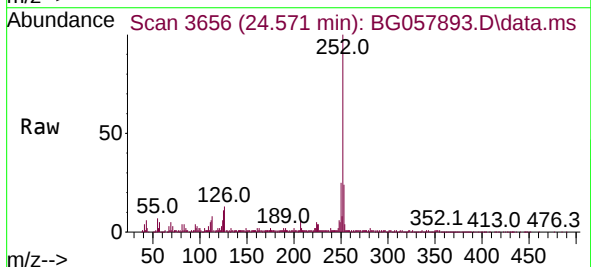
APPROVED

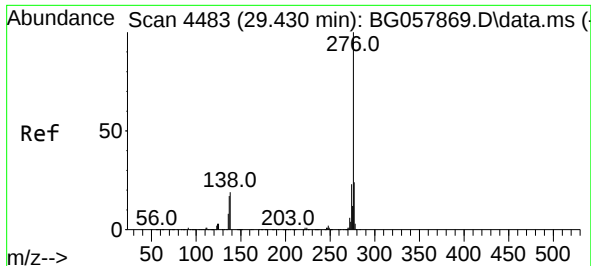
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#90
Benzo(a)pyrene
Concen: 20.734 ng
RT: 24.571 min Scan# 3656
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

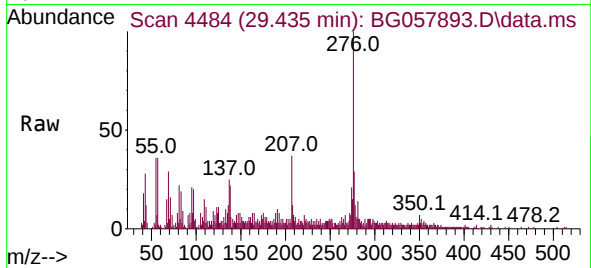
Tgt Ion:252 Resp: 367216
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 11.5 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 5.477 ng
RT: 29.435 min Scan# 4483
Delta R.T. 0.006 min
Lab File: BG057893.D
Acq: 28 Jun 2023 15:13

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:276 Resp: 9806
Ion Ratio Lower Upper
276 100
277 28.8 19.4 29.2
138 22.1 15.0 22.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

