

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111622\
 Data File : BG055655.D
 Acq On : 16 Nov 2022 20:23
 Operator : CG/JU
 Sample : N5619-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422

Quant Time: Nov 17 02:13:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/17/2022
 Supervised By :mohammad ahmed 11/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	53703	20.000	ng	0.00
21) Naphthalene-d8	11.082	136	223247	20.000	ng	0.00
39) Acenaphthene-d10	14.872	164	145157	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	314675	20.000	ng	0.00
76) Chrysene-d12	21.917	240	306462	20.000	ng	0.00
86) Perylene-d12	25.330	264	326701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.782	112	361360	121.625	ng	0.00
7) Phenol-d6	7.392	99	477638	120.768	ng	0.00
23) Nitrobenzene-d5	9.425	82	294267	69.669	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	216731	106.033	ng	0.00
45) 2-Fluorobiphenyl	13.503	172	675322	69.698	ng	0.00
79) Terphenyl-d14	20.201	244	1039365	67.834	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.936	154	20888	2.361	ng	97
55) Dibenzofuran	15.265	168	30837	2.259	ng	# 94
58) Fluorene	15.912	166	48613	4.459	ng	96
71) Phenanthrene	17.657	178	375971	22.140	ng	99
72) Anthracene	17.745	178	91923	5.571	ng	99
75) Fluoranthene	19.654	202	515683	24.962	ng	100
78) Pyrene	20.013	202	461368	22.241	ng	99
81) Benzo(a)anthracene	21.893	228	242787	11.502	ng	98
83) Chrysene	21.964	228	225771	11.235	ng	98
87) Indeno(1,2,3-cd)pyrene	29.267	276	162293m	6.064	ng	
88) Benzo(b)fluoranthene	24.243	252	282354	13.271	ng	98
89) Benzo(k)fluoranthene	24.302	252	123958m	5.845	ng	
90) Benzo(a)pyrene	25.166	252	228398	12.509	ng	# 96
91) Dibenzo(a,h)anthracene	29.326	278	65596	2.999	ng	# 91
92) Benzo(g,h,i)perylene	30.495	276	139553m	6.331	ng	

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

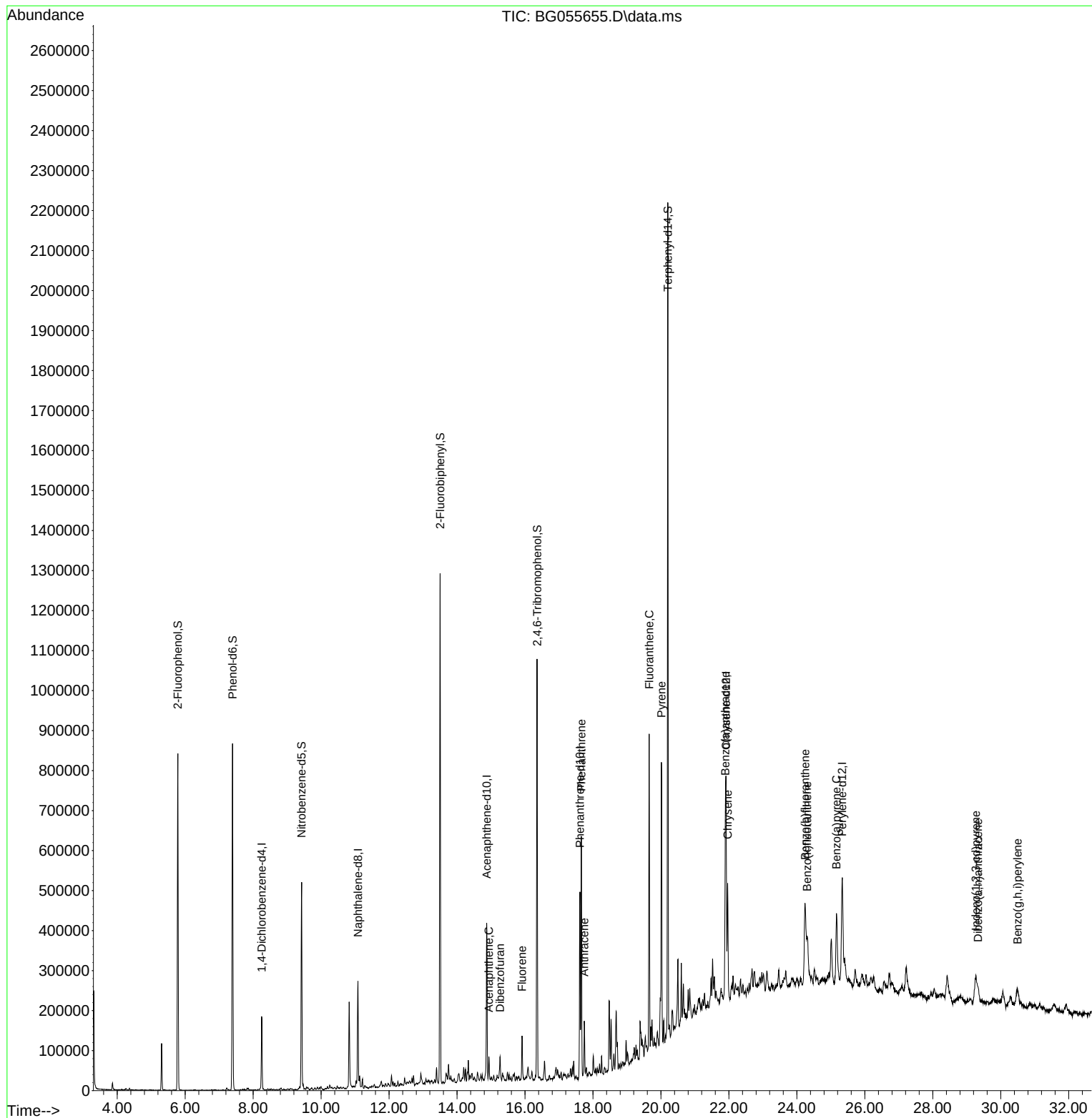
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111622\
Data File : BG055655.D
Acq On : 16 Nov 2022 20:23
Operator : CG/JU
Sample : N5619-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

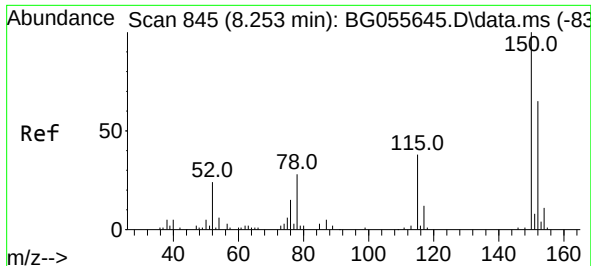
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

Quant Time: Nov 17 02:13:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

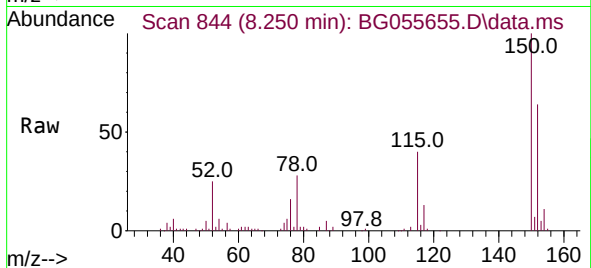
Reviewed By : Christian Giraldo 11/17/2022
Supervised By : mohammad ahmed 11/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

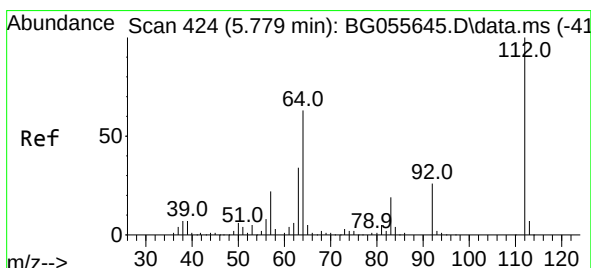
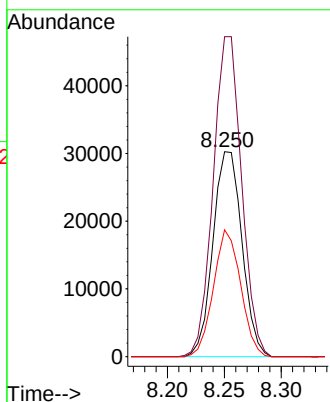
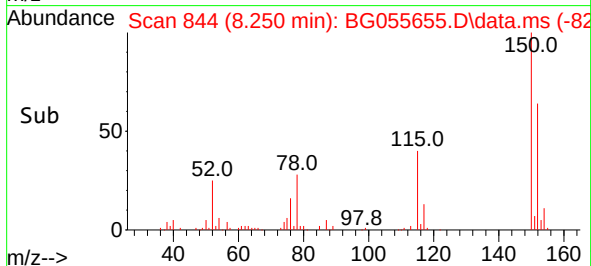
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



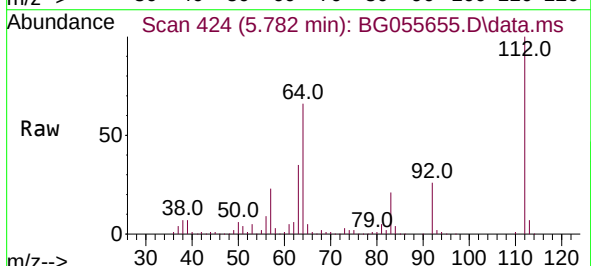
Tgt Ion:152 Resp: 53703
Ion Ratio Lower Upper
152 100
150 156.1 123.0 184.6
115 61.9 47.0 70.4

Manual Integrations
APPROVED

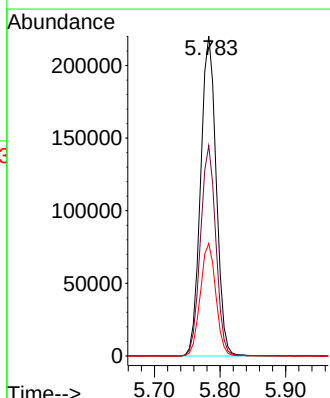
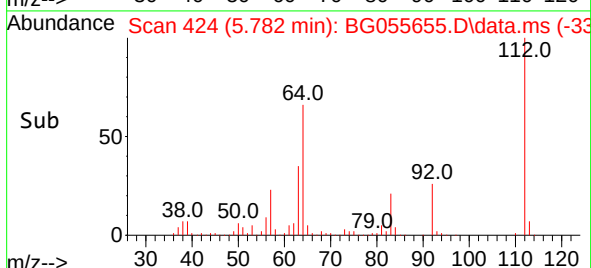
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

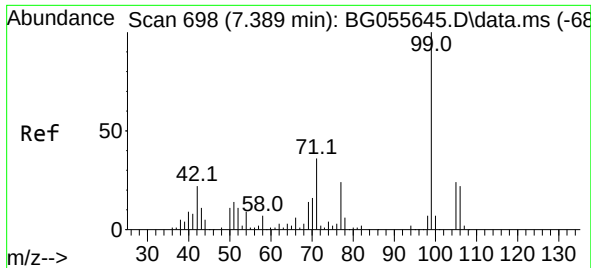


#5
2-Fluorophenol
Concen: 121.625 ng
RT: 5.782 min Scan# 424
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



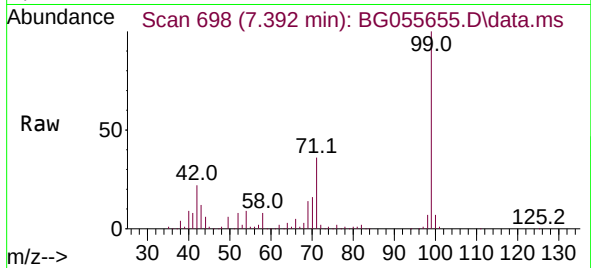
Tgt Ion:112 Resp: 361360
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 35.1 27.5 41.3





#7
Phenol-d6
Concen: 120.768 ng
RT: 7.392 min Scan# 698
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

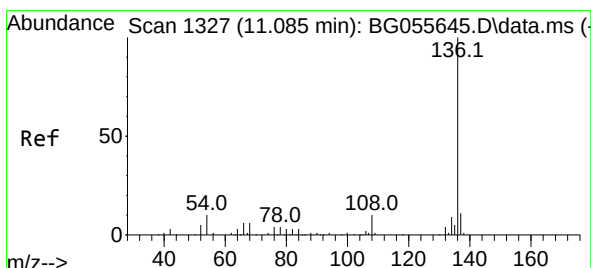
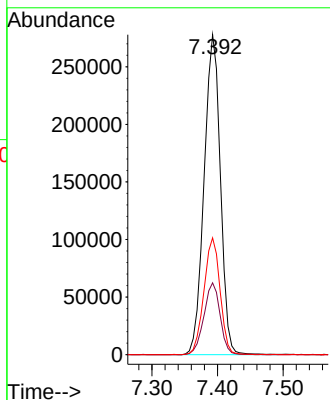
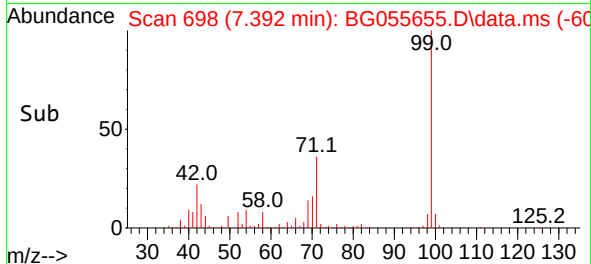
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



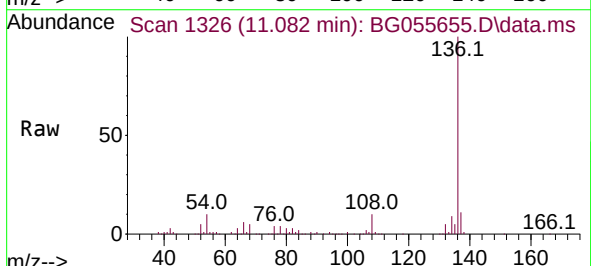
Tgt Ion: 99 Resp: 477638
Ion Ratio Lower Upper
99 100
42 22.4 18.0 27.0
71 36.5 29.0 43.6

Manual Integrations
APPROVED

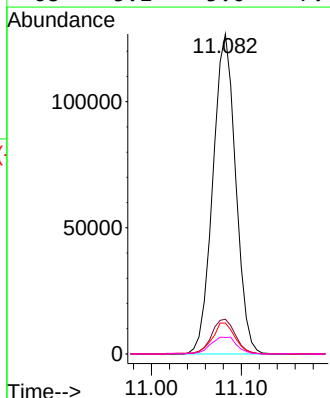
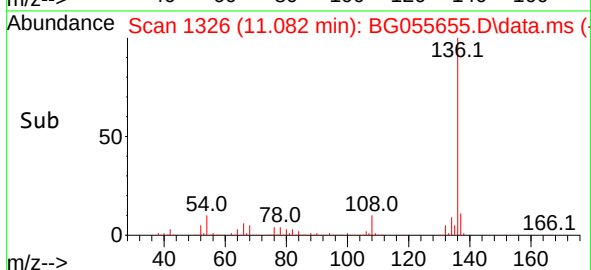
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

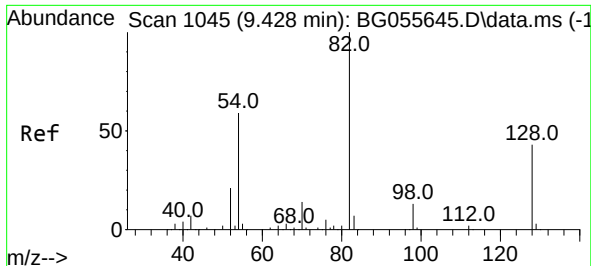


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.082 min Scan# 1326
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



Tgt Ion:136 Resp: 223247
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.7 7.8 11.6
68 5.1 5.0 7.4





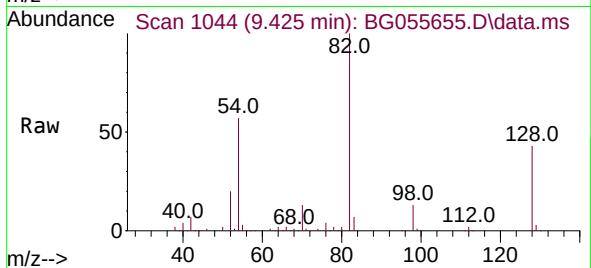
#23
Nitrobenzene-d5
Concen: 69.669 ng
RT: 9.425 min Scan# 1045
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

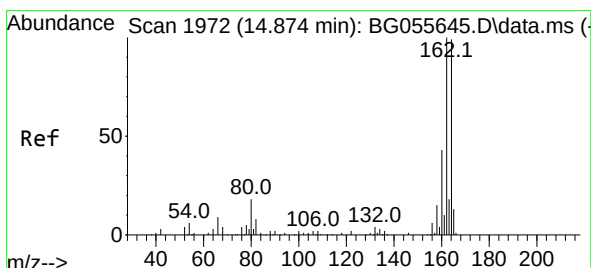
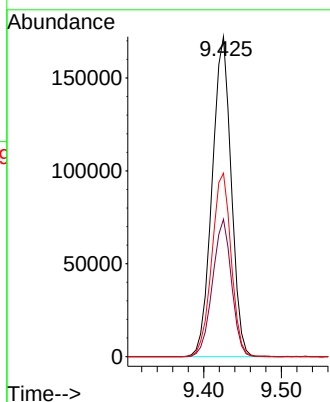
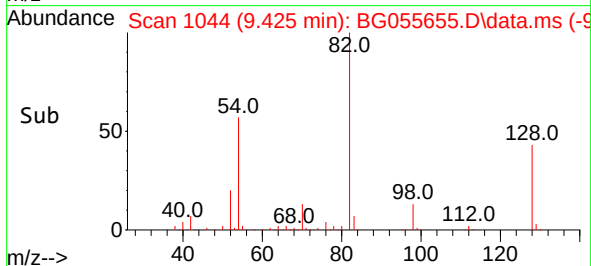


Tgt Ion: 82 Resp: 29426
Ion Ratio Lower Upper
82 100
128 43.0 34.1 51.1
54 57.3 47.3 70.9

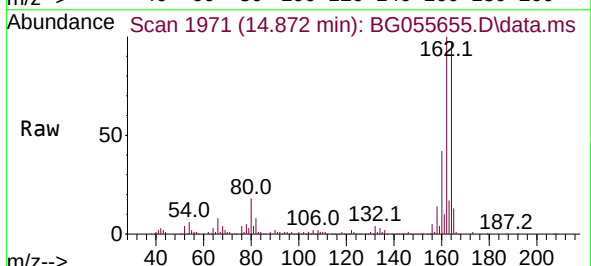
Manual Integrations

APPROVED

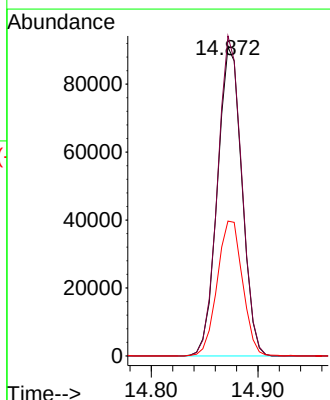
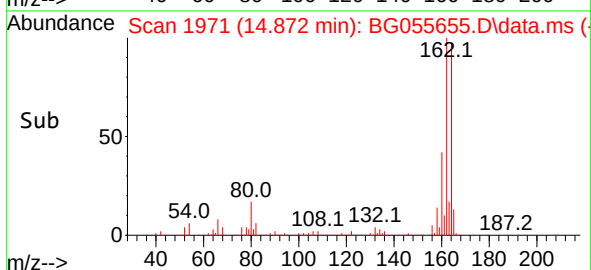
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

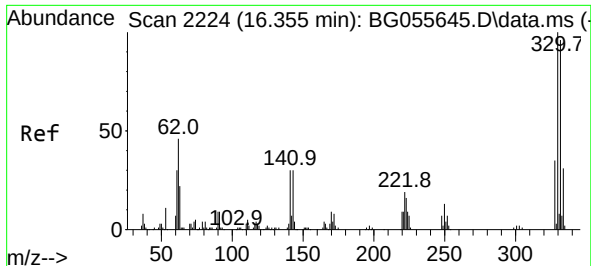


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



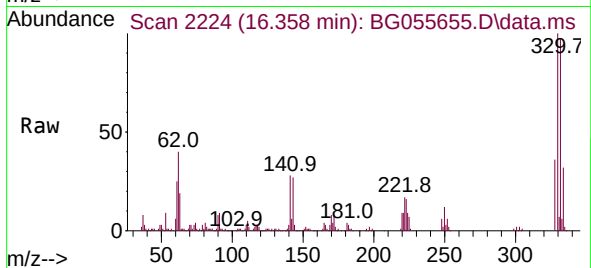
Tgt Ion:164 Resp: 145157
Ion Ratio Lower Upper
164 100
162 103.6 81.1 121.7
160 43.6 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 106.033 ng
RT: 16.358 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

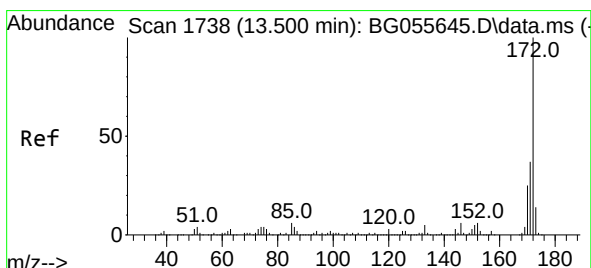
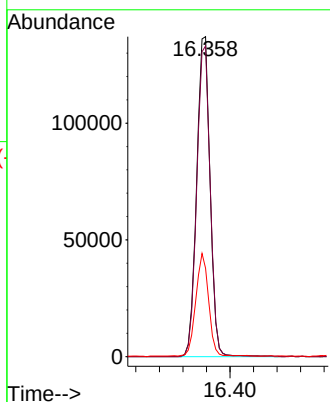
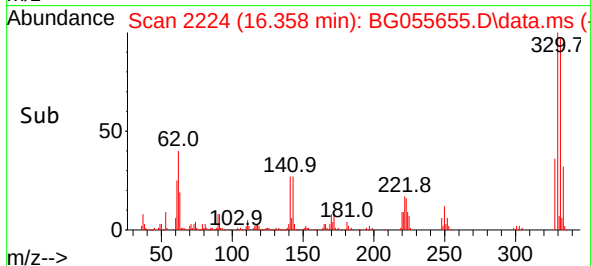
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



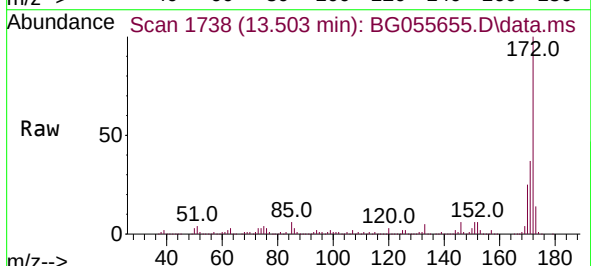
Tgt Ion:330 Resp: 216731
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 31.3 23.9 35.9

Manual Integrations
APPROVED

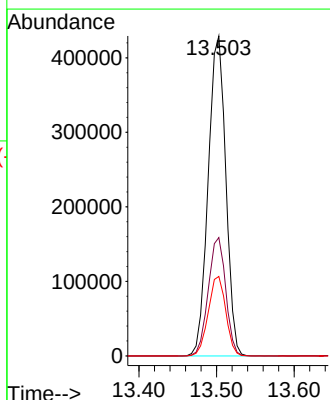
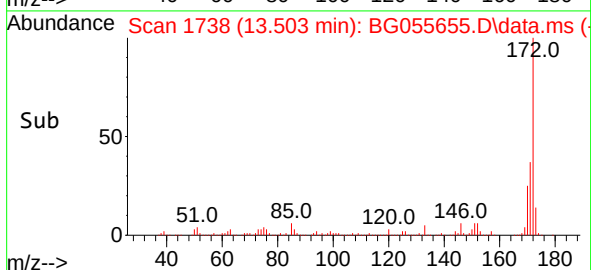
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

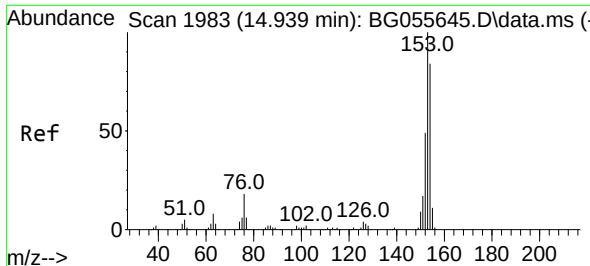


#45
2-Fluorobiphenyl
Concen: 69.698 ng
RT: 13.503 min Scan# 1738
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



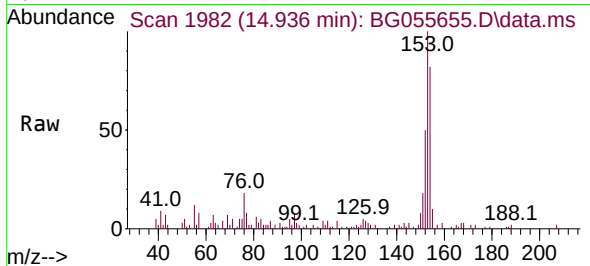
Tgt Ion:172 Resp: 675322
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 24.8 20.2 30.4





#52
Acenaphthene
Concen: 2.361 ng
RT: 14.936 min Scan# 1983
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

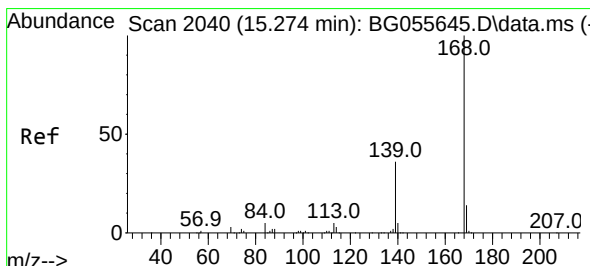
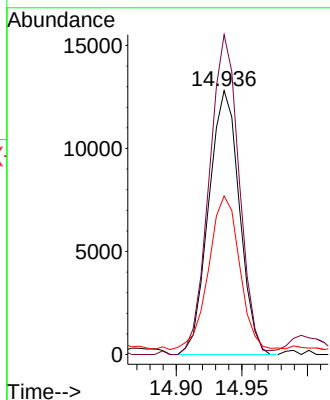
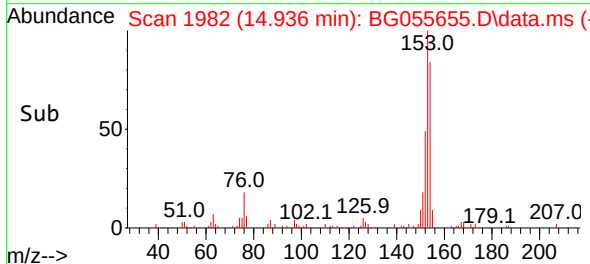
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



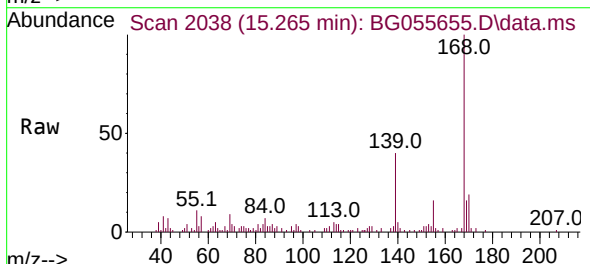
Tgt Ion:154 Resp: 20888
Ion Ratio Lower Upper
154 100
153 121.2 95.0 142.4
152 60.1 46.1 69.1

Manual Integrations
APPROVED

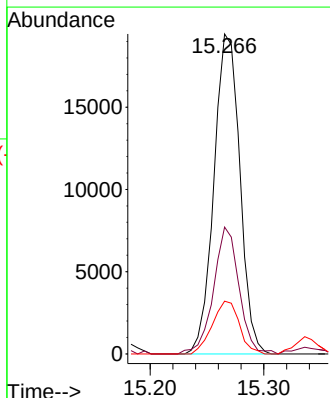
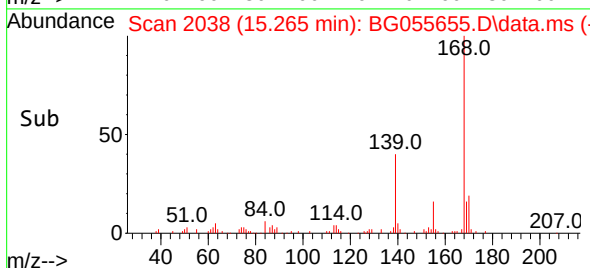
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

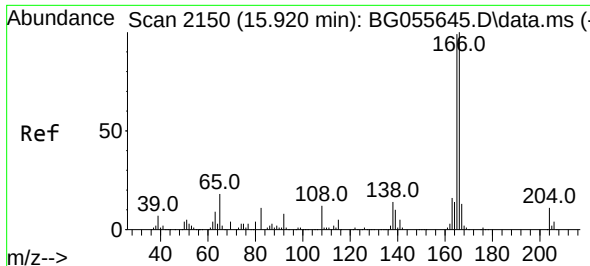


#55
Dibenzofuran
Concen: 2.259 ng
RT: 15.265 min Scan# 2038
Delta R.T. -0.008 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



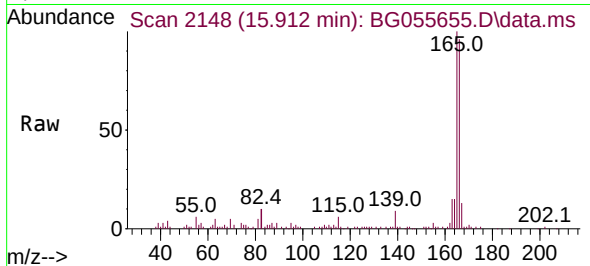
Tgt Ion:168 Resp: 30837
Ion Ratio Lower Upper
168 100
139 39.6 28.8 43.2
169 16.5 11.0 16.4#





#58
Fluorene
Concen: 4.459 ng
RT: 15.912 min Scan# 2150
Delta R.T. -0.008 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

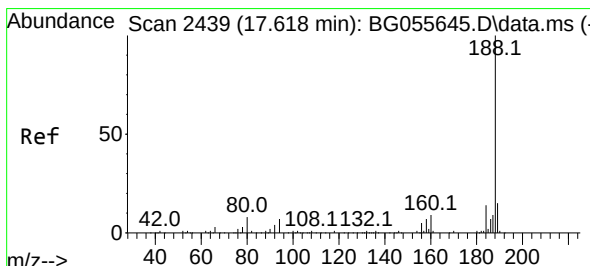
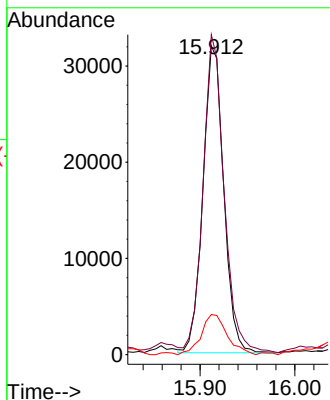
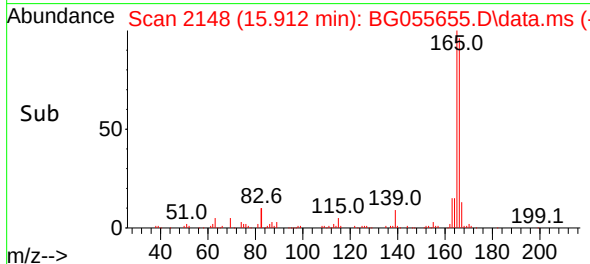
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



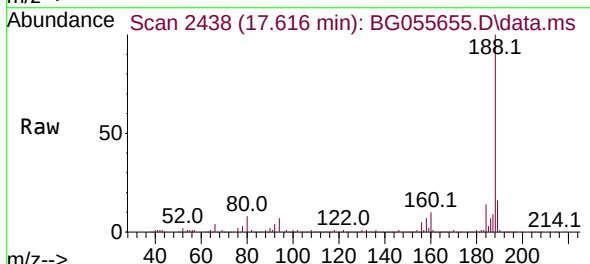
Tgt Ion:166 Resp: 48613
Ion Ratio Lower Upper
166 100
165 103.6 79.3 118.9
167 13.0 10.6 15.8

Manual Integrations
APPROVED

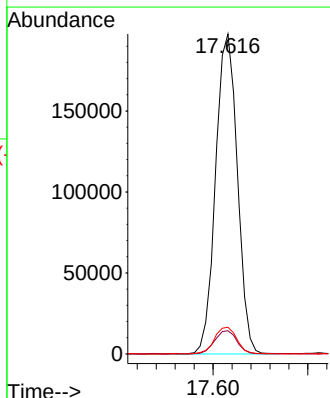
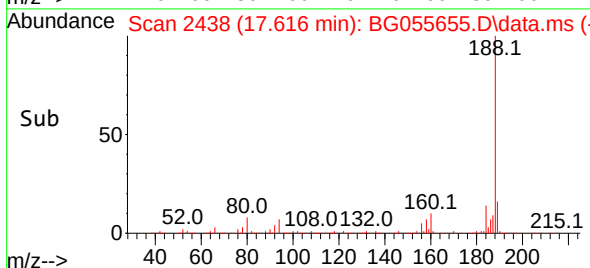
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

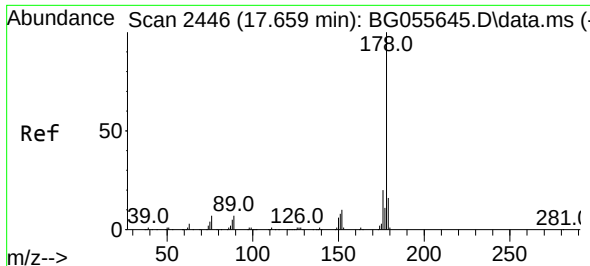


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.616 min Scan# 2438
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



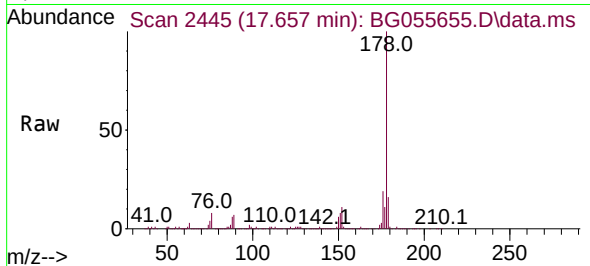
Tgt Ion:188 Resp: 314675
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.3 6.6 10.0





#71
Phenanthrene
Concen: 22.140 ng
RT: 17.657 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

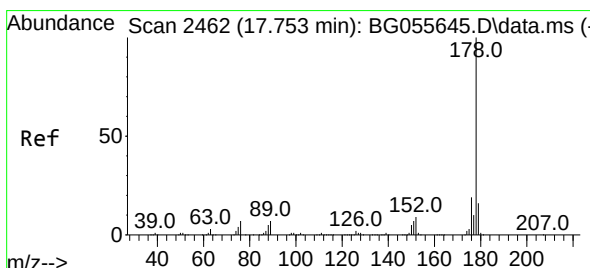
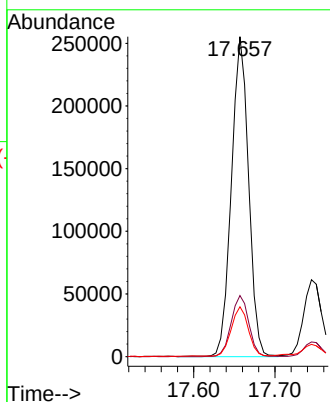
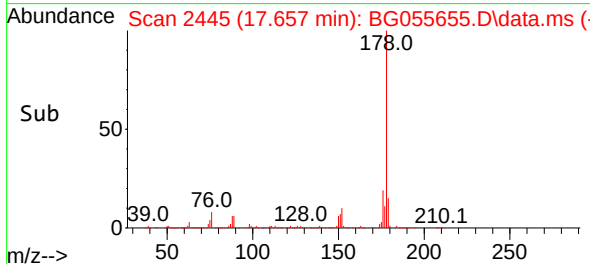
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



Tgt Ion:178 Resp: 37597
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 12.7 19.1

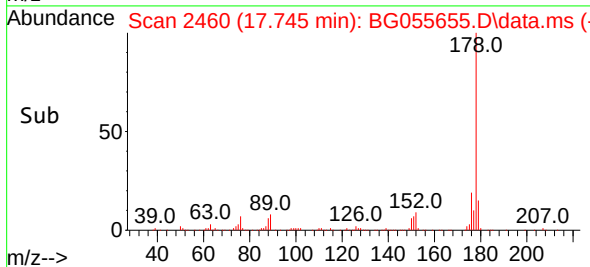
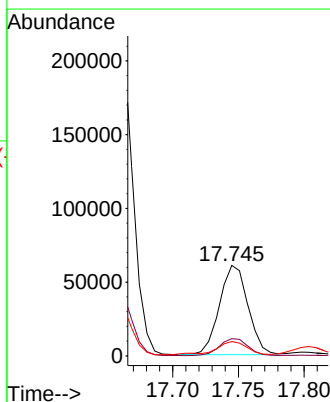
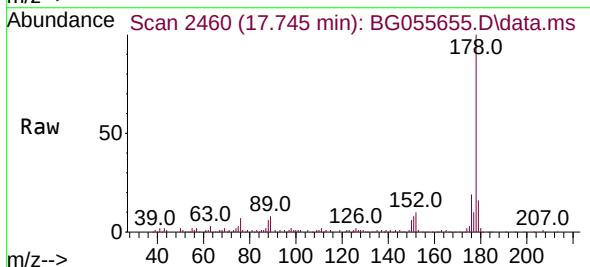
Manual Integrations
APPROVED

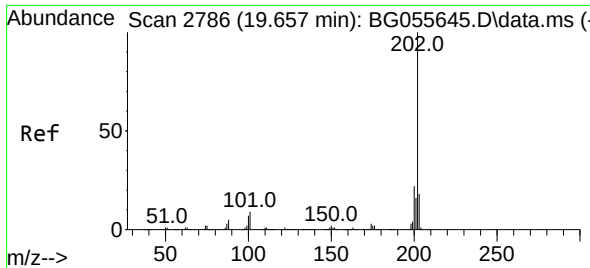
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#72
Anthracene
Concen: 5.571 ng
RT: 17.745 min Scan# 2460
Delta R.T. -0.008 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

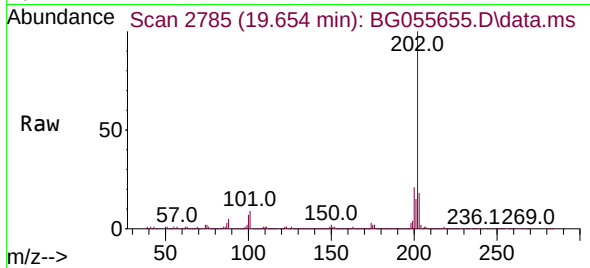
Tgt Ion:178 Resp: 91923
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 24.962 ng
RT: 19.654 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

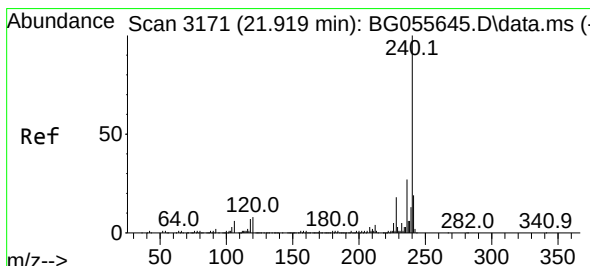
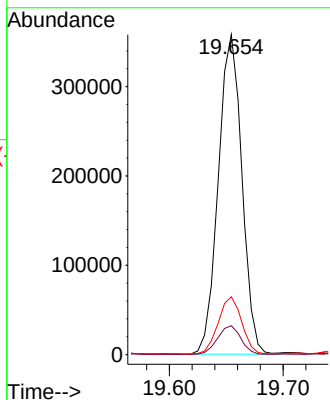
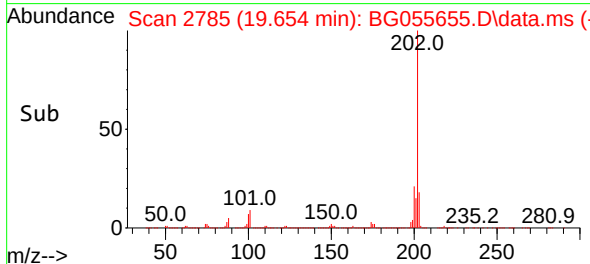
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



Tgt Ion:202 Resp: 515683
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.8
203 18.1 0.0 38.1

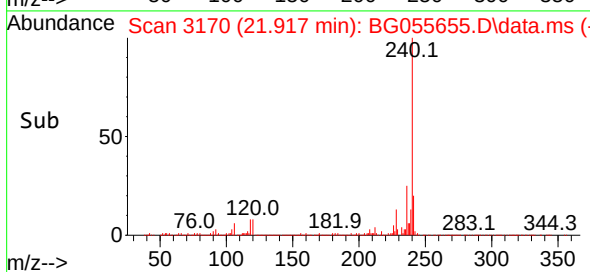
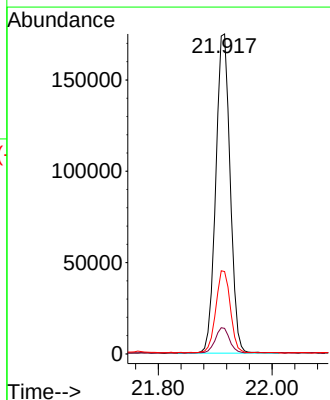
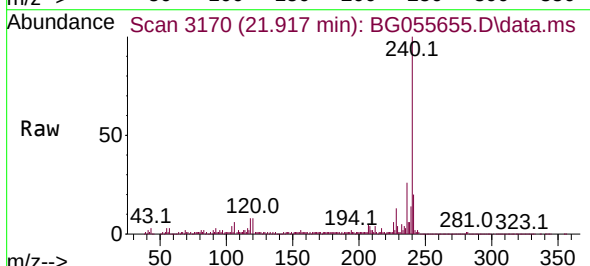
Manual Integrations
APPROVED

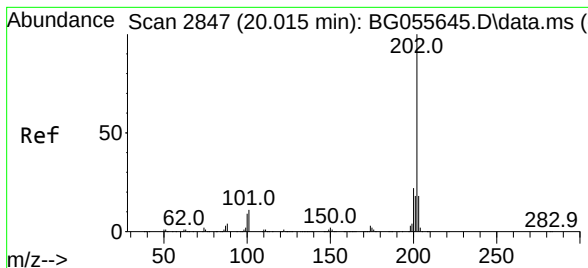
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.917 min Scan# 3170
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:240 Resp: 306462
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 25.7 21.9 32.9





#78

Pyrene

Concen: 22.241 ng

RT: 20.013 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

Tgt Ion:202 Resp: 461368

Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

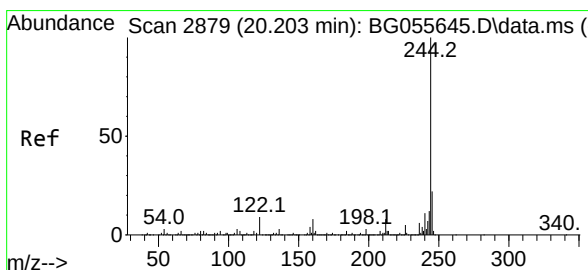
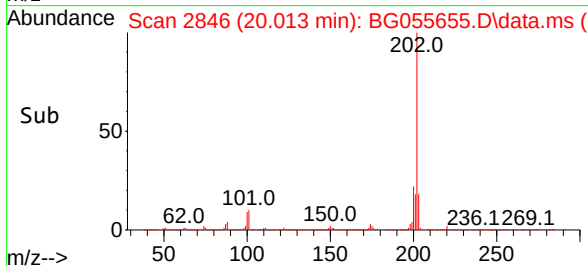
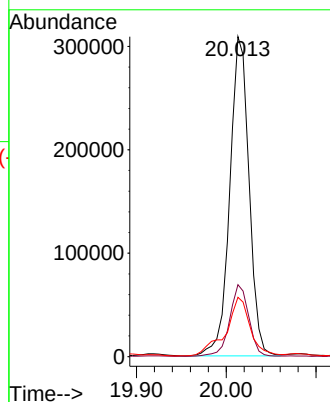
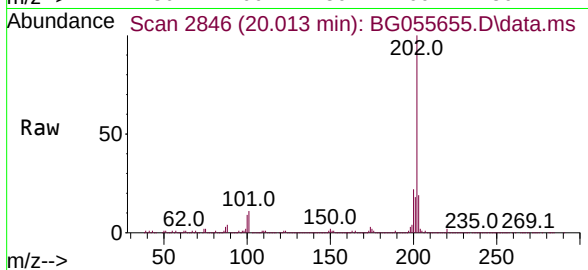
203 18.5 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/17/2022

Supervised By :mohammad ahmed 11/17/2022



#79

Terphenyl-d14

Concen: 67.834 ng

RT: 20.201 min Scan# 2878

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

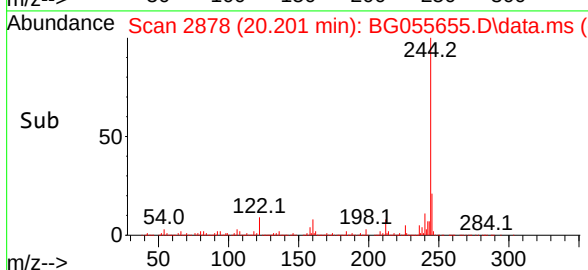
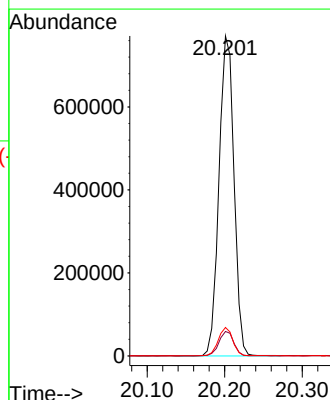
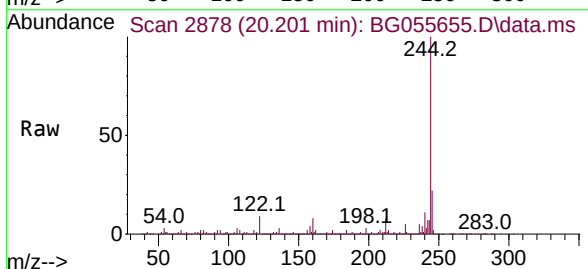
Tgt Ion:244 Resp: 1039365

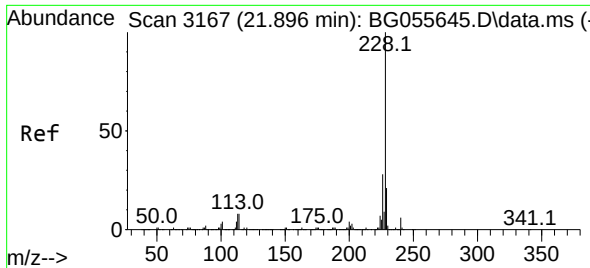
Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

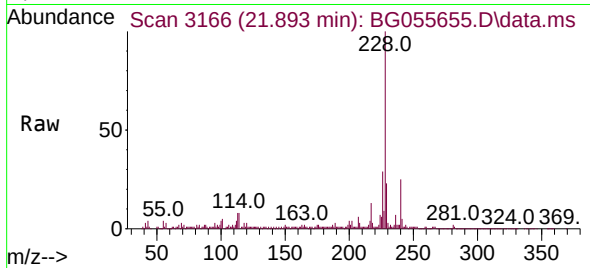
122 8.9 6.9 10.3





#81
Benzo(a)anthracene
Concen: 11.502 ng
RT: 21.893 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

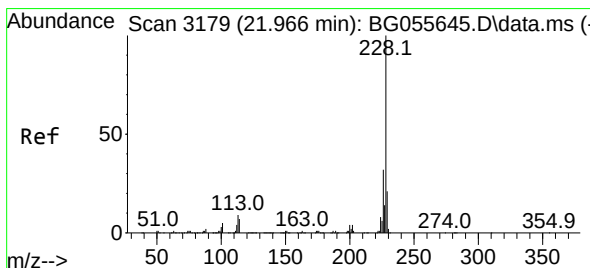
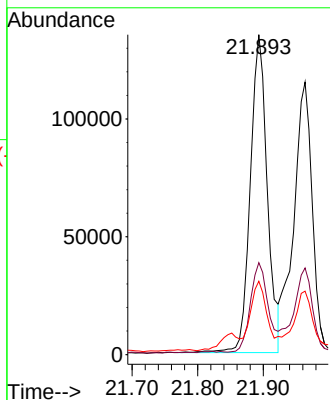
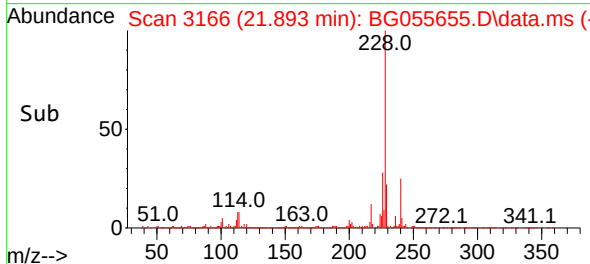
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



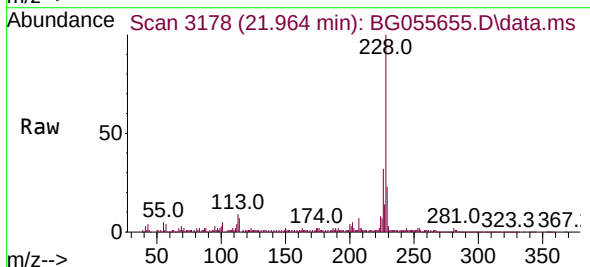
Tgt Ion:228 Resp: 242781
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 22.9 16.5 24.7

Manual Integrations
APPROVED

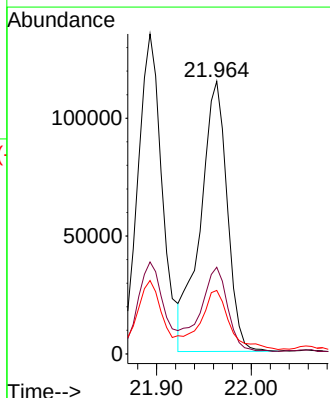
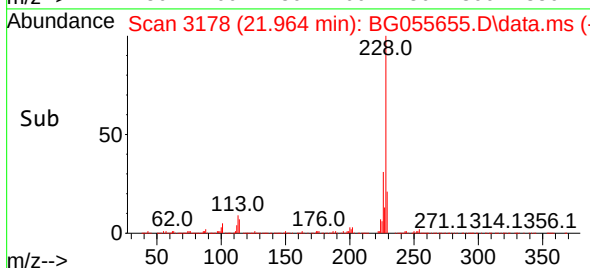
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

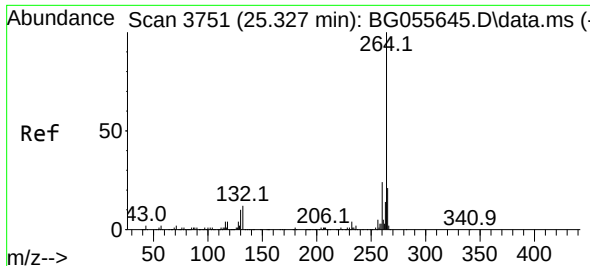


#83
Chrysene
Concen: 11.235 ng
RT: 21.964 min Scan# 3178
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



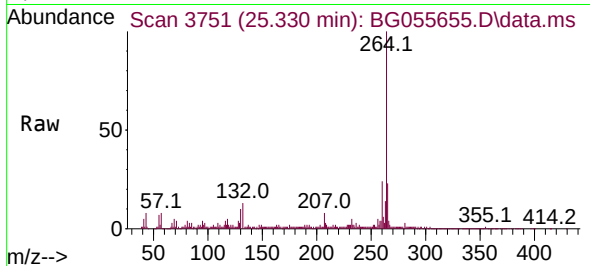
Tgt Ion:228 Resp: 225771
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 23.3 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.330 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

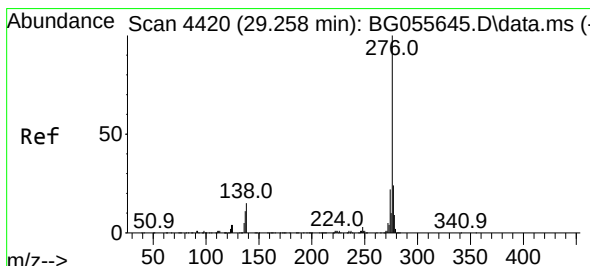
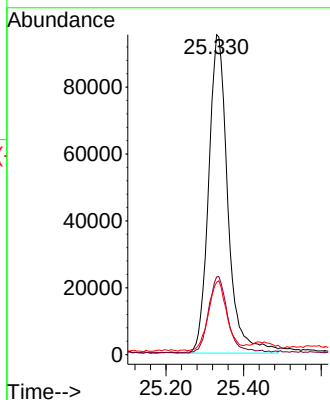
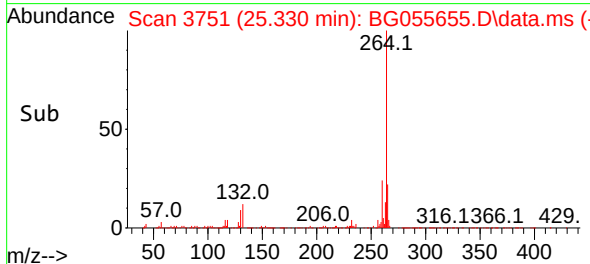
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



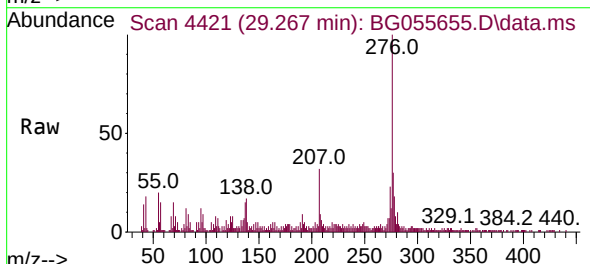
Tgt Ion:264 Resp: 32670
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.6 17.1 25.7

Manual Integrations
APPROVED

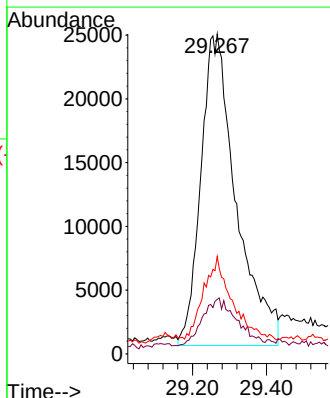
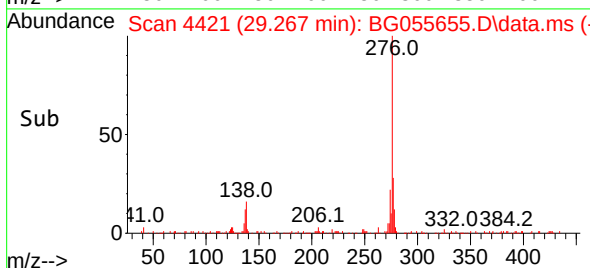
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022

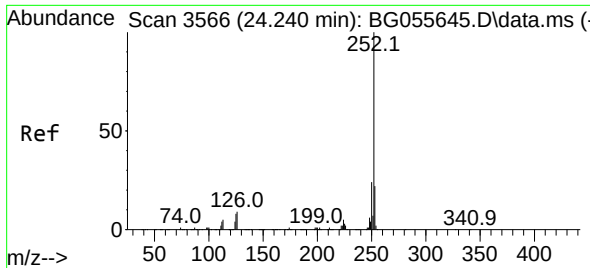


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.064 ng m
RT: 29.267 min Scan# 4421
Delta R.T. 0.009 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23



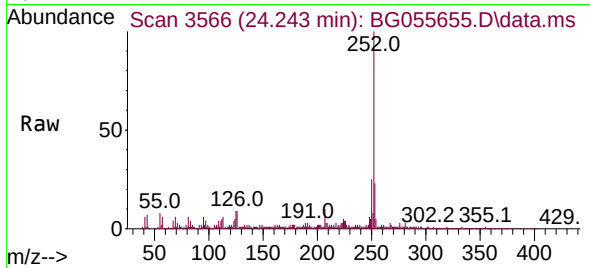
Tgt Ion:276 Resp: 162293
Ion Ratio Lower Upper
276 100
138 14.8 10.4 15.6
277 20.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 13.271 ng
RT: 24.243 min Scan# 3566
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

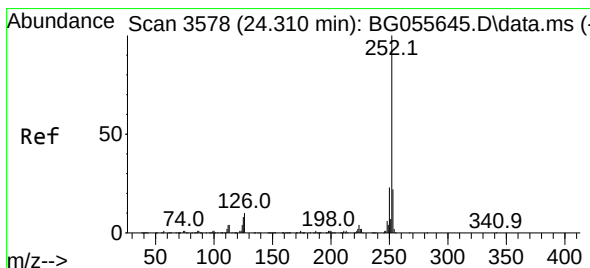
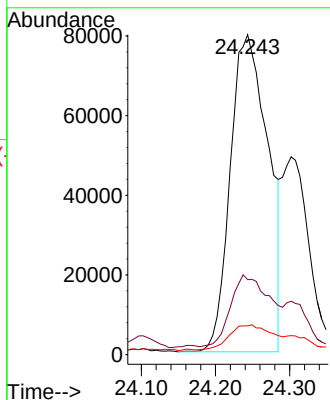
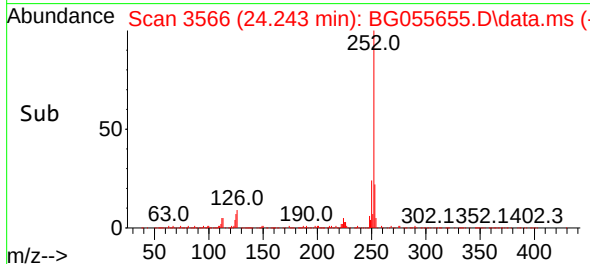
Instrument :
BNA_G
ClientSampleId :
OR-02-111422



Tgt Ion:252 Resp: 282354
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 9.0 6.2 9.2

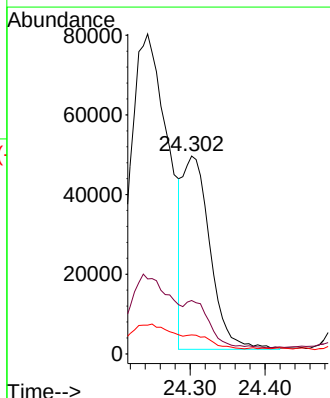
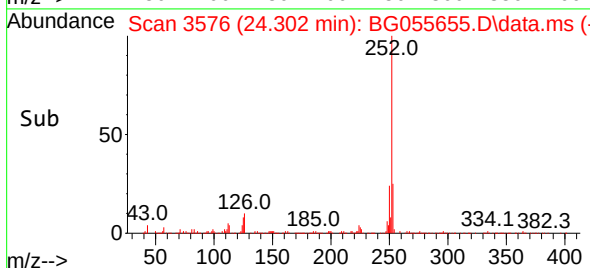
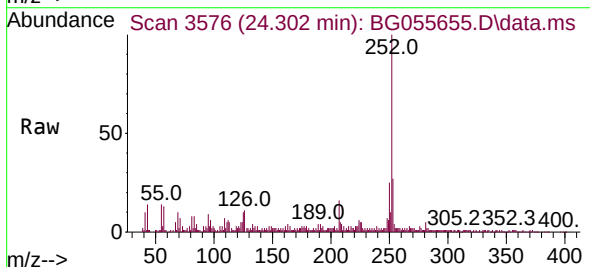
Manual Integrations
APPROVED

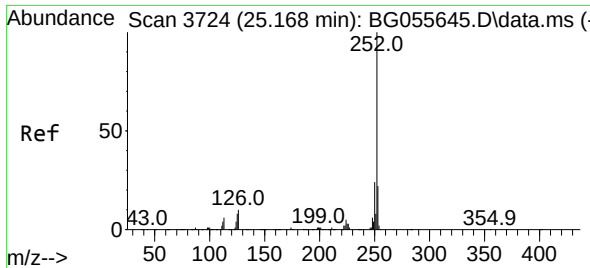
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#89
Benzo(k)fluoranthene
Concen: 5.845 ng m
RT: 24.302 min Scan# 3576
Delta R.T. -0.008 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:252 Resp: 123958
Ion Ratio Lower Upper
252 100
253 26.9 17.8 26.6#
125 9.6 6.1 9.1#





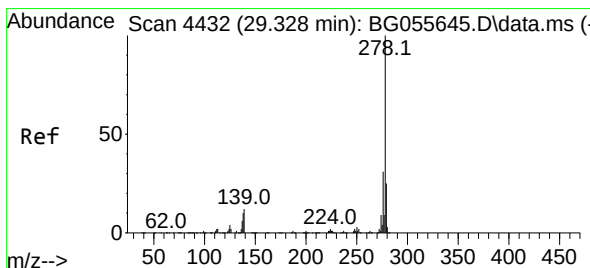
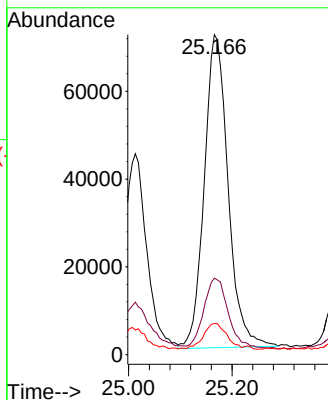
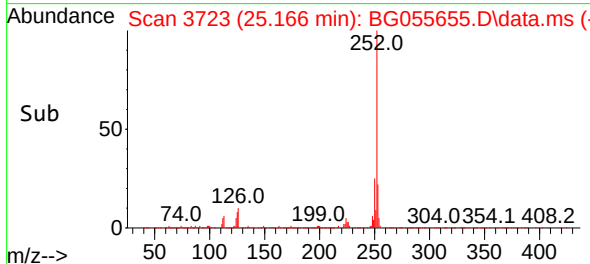
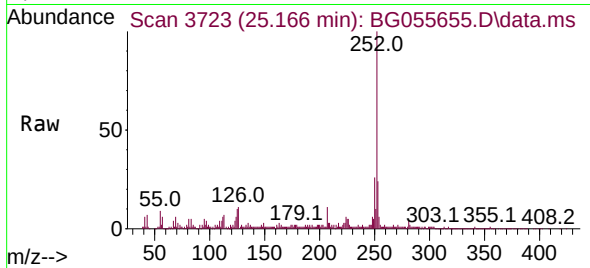
#90
Benzo(a)pyrene
Concen: 12.509 ng
RT: 25.166 min Scan# 3724
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Instrument :
BNA_G
ClientSampleId :
OR-02-111422

Tgt Ion:252 Resp: 228398
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 9.7 6.4 9.6

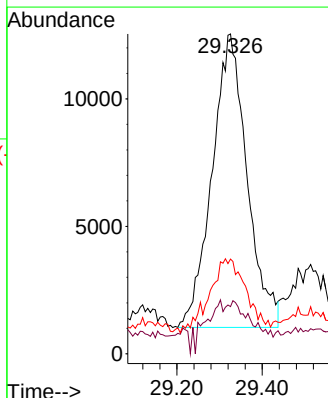
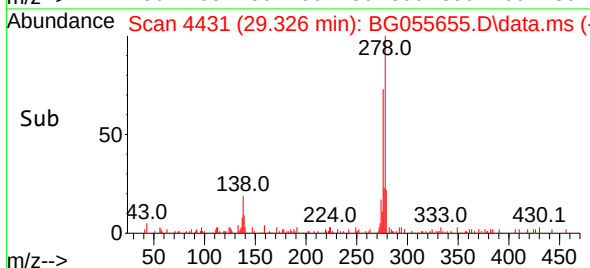
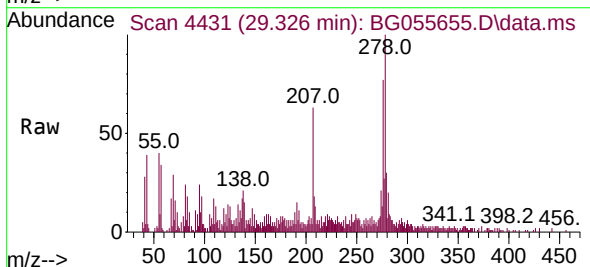
Manual Integrations
APPROVED

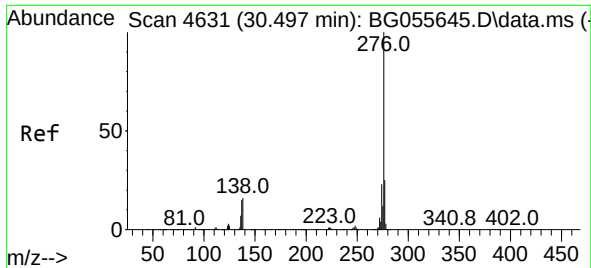
Reviewed By :Christian Giraldo 11/17/2022
Supervised By :mohammad ahmed 11/17/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.999 ng
RT: 29.326 min Scan# 4431
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

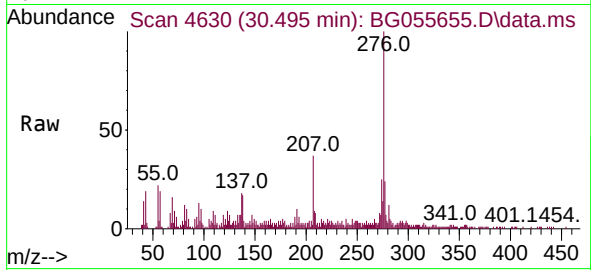
Tgt Ion:278 Resp: 65596
Ion Ratio Lower Upper
278 100
139 14.8 9.8 14.8
279 29.6 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.331 ng m
 RT: 30.495 min Scan# 4630
 Delta R.T. -0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422



Tgt Ion: 276 Resp: 139553
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.8 29.6
 138 17.3 13.1 19.7

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/17/2022
 Supervised By : mohammad ahmed 11/17/2022

