

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055681.D
 Acq On : 18 Nov 2022 1:29
 Operator : CG/JU
 Sample : N5660-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-11622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

Quant Time: Nov 18 03:18:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	56831	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	228476	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	148815	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	316029	20.000	ng	0.00
76) Chrysene-d12	21.919	240	292027	20.000	ng	0.00
86) Perylene-d12	25.344	264	284293	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	157504	50.094	ng	0.00
7) Phenol-d6	7.401	99	201781	48.211	ng	0.01
23) Nitrobenzene-d5	9.422	82	124178	28.727	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	92776	44.274	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	275519	27.737	ng	0.00
79) Terphenyl-d14	20.203	244	367491	25.170	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.659	178	126542	7.420	ng	98
75) Fluoranthene	19.657	202	370817	17.873	ng	100
78) Pyrene	20.015	202	403843	20.430	ng	99
81) Benzo(a)anthracene	21.896	228	212064	10.543	ng	98
83) Chrysene	21.966	228	200014	10.446	ng	99
87) Indeno(1,2,3-cd)pyrene	29.263	276	80614	3.461	ng	94
88) Benzo(b)fluoranthene	24.252	252	259440	14.013	ng	# 92
89) Benzo(k)fluoranthene	24.310	252	97163m	5.265	ng	
90) Benzo(a)pyrene	25.180	252	188353	11.855	ng	# 97
92) Benzo(g,h,i)perylene	30.503	276	80347m	4.189	ng	

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

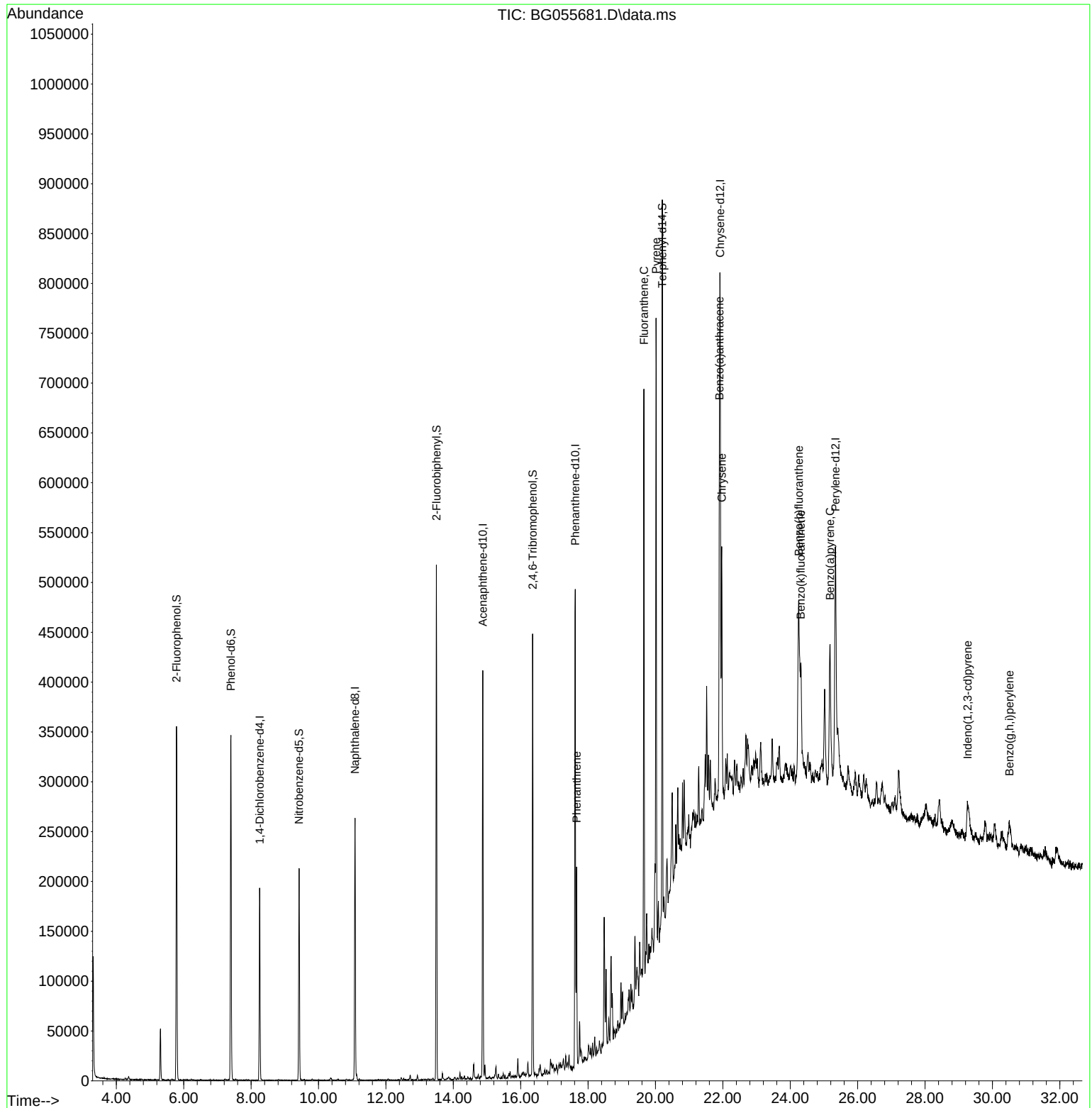
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
Data File : BG055681.D
Acq On : 18 Nov 2022 1:29
Operator : CG/JU
Sample : N5660-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

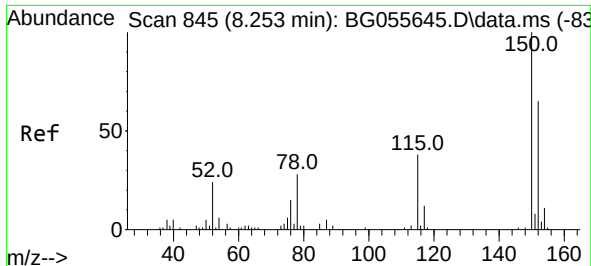
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Quant Time: Nov 18 03:18:52 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

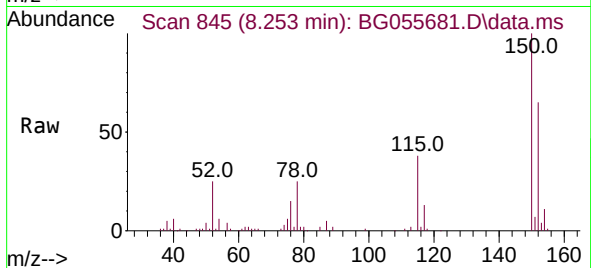
Reviewed By : Christian Giraldo 11/18/2022
Supervised By : Jagrut Upadhyay 11/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

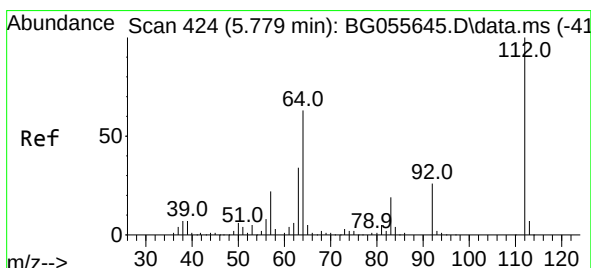
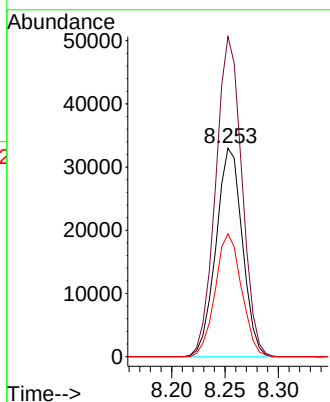
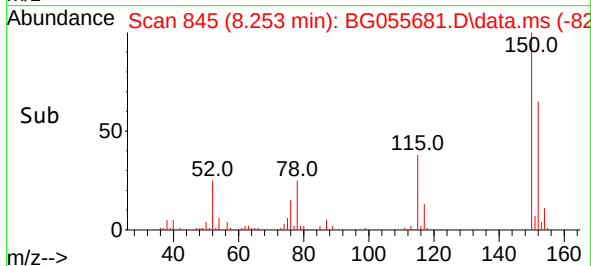
Instrument :
BNA_G
ClientSampleId :
CL-02-11622



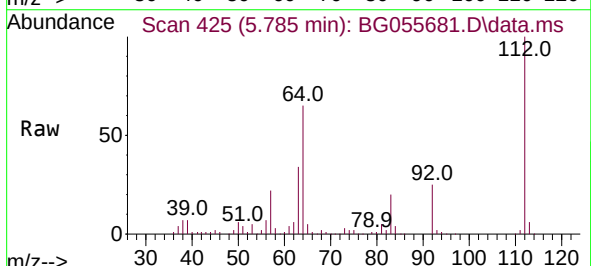
Tgt Ion:152 Resp: 56831
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.6
115 58.9 47.0 70.4

Manual Integrations
APPROVED

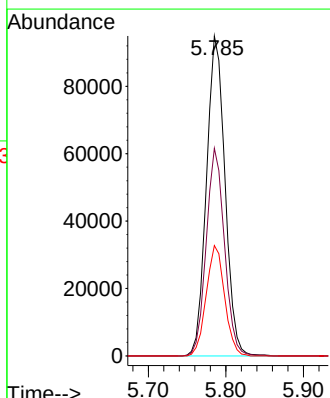
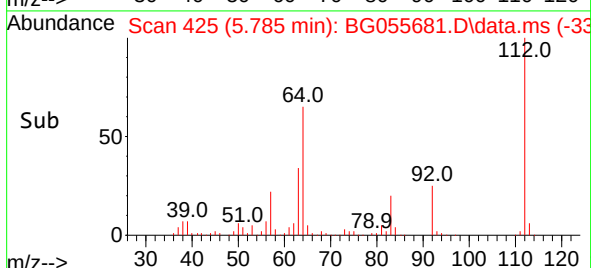
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

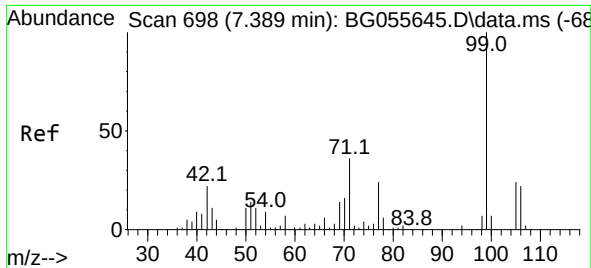


#5
2-Fluorophenol
Concen: 50.094 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29



Tgt Ion:112 Resp: 157504
Ion Ratio Lower Upper
112 100
64 64.9 50.6 76.0
63 34.5 27.5 41.3





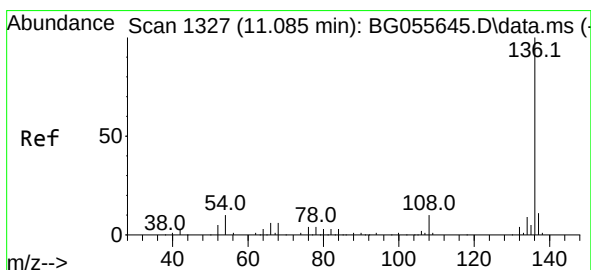
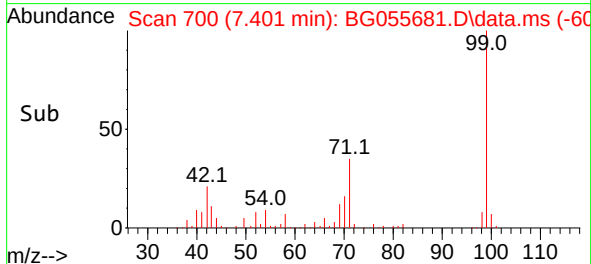
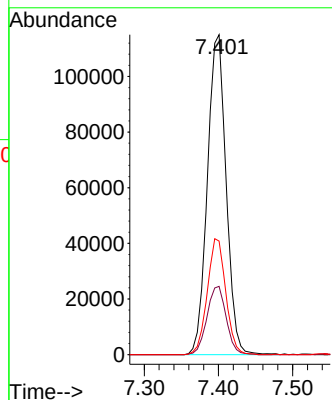
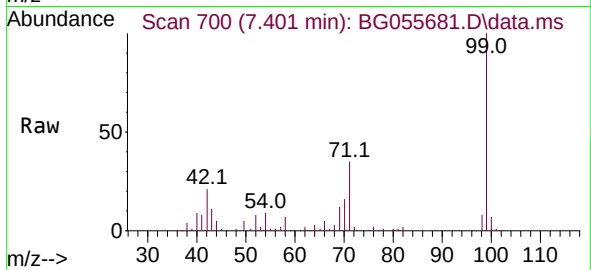
#7
Phenol-d6
Concen: 48.211 ng
RT: 7.401 min Scan# 70
Delta R.T. 0.012 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Tgt Ion: 99 Resp: 20178
Ion Ratio Lower Upper
99 100
42 21.3 18.0 27.0
71 35.5 29.0 43.6

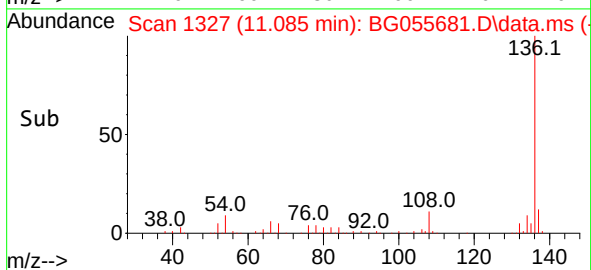
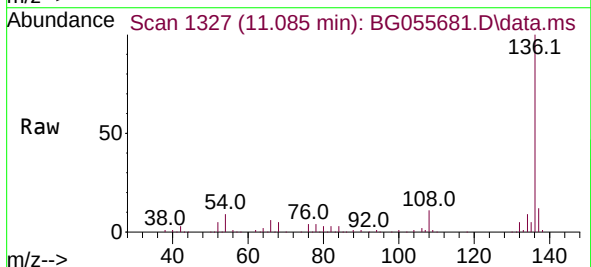
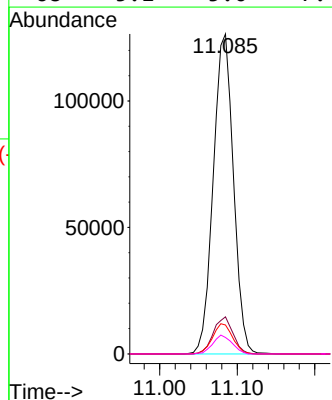
Manual Integrations
APPROVED

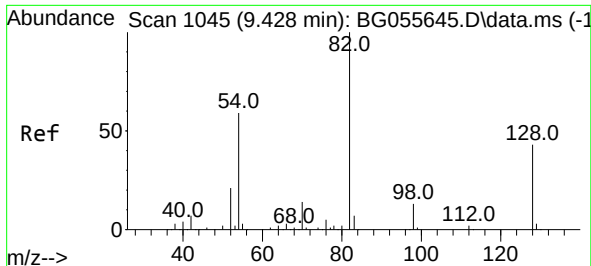
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:136 Resp: 228476
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.0 7.8 11.6
68 5.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 28.727 ng

RT: 9.422 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

CL-02-11622

Tgt Ion: 82 Resp: 124178

Ion Ratio Lower Upper

82 100

128 39.9 34.1 51.1

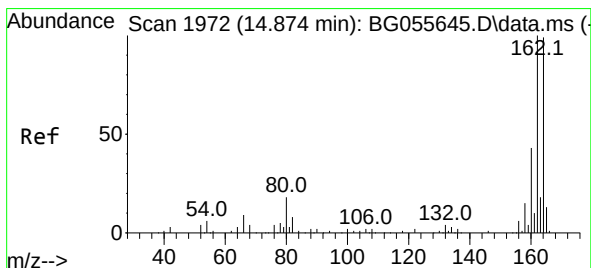
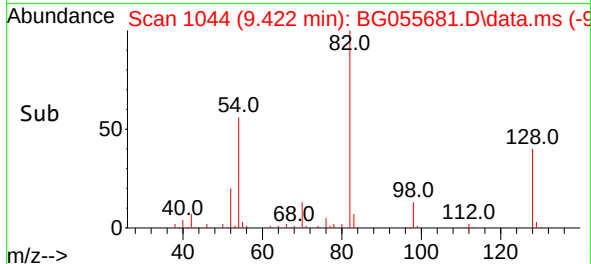
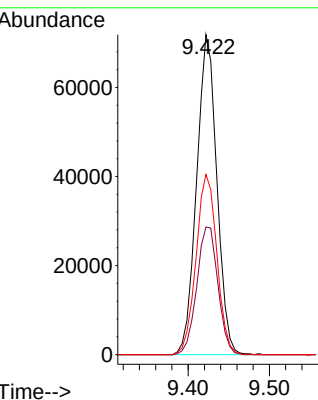
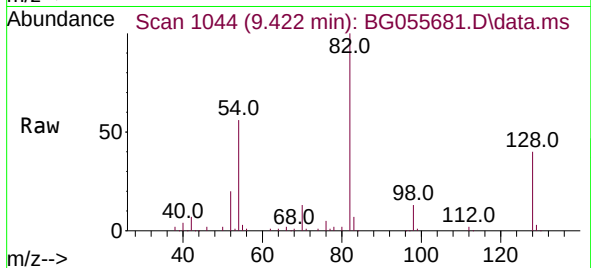
54 56.3 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/18/2022

Supervised By :Jagrut Upadhyay 11/18/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

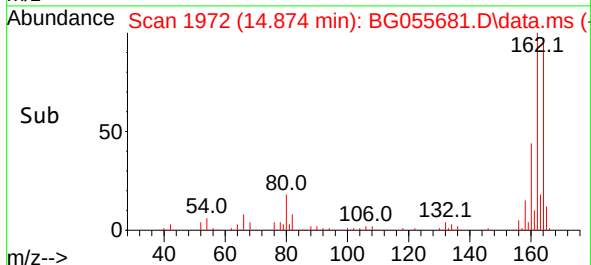
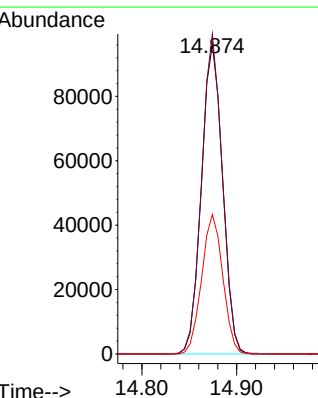
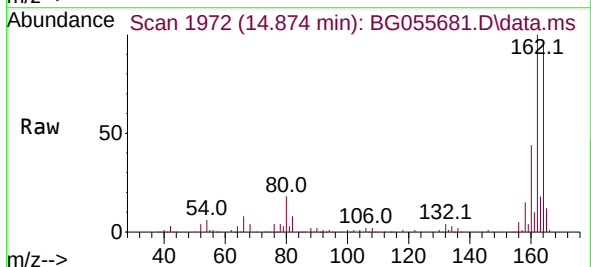
Tgt Ion:164 Resp: 148815

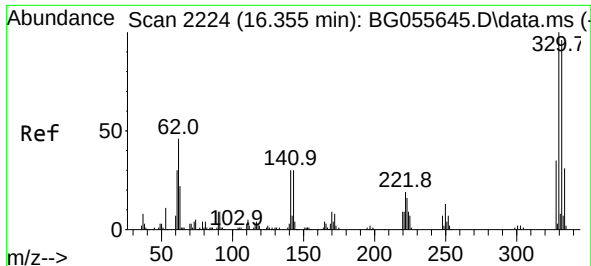
Ion Ratio Lower Upper

164 100

162 103.3 81.1 121.7

160 45.0 34.8 52.2





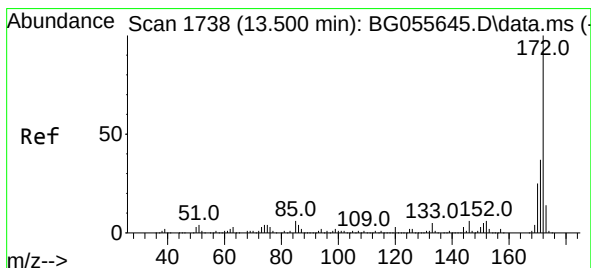
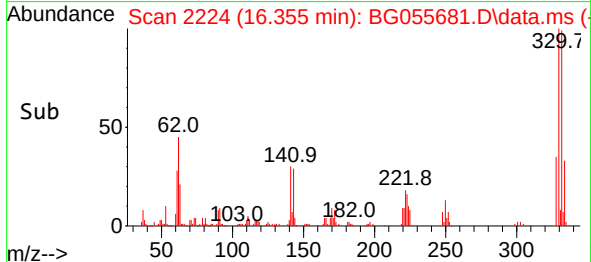
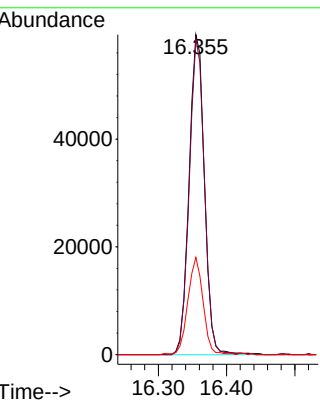
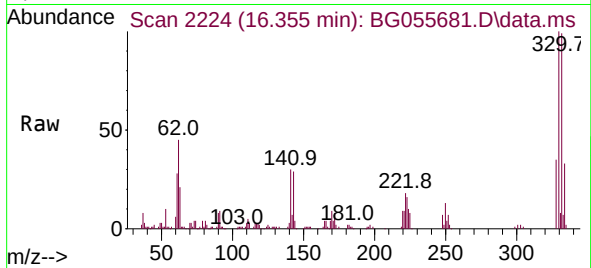
#42
2,4,6-Tribromophenol
Concen: 44.274 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Tgt Ion:330 Resp: 92776
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 30.1 23.9 35.9

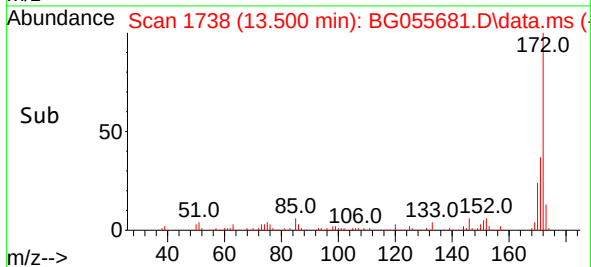
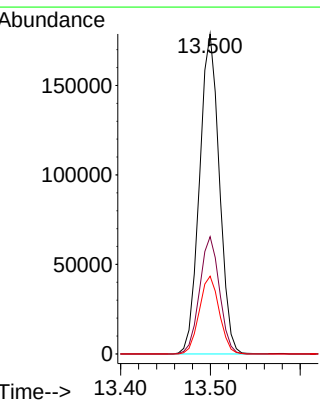
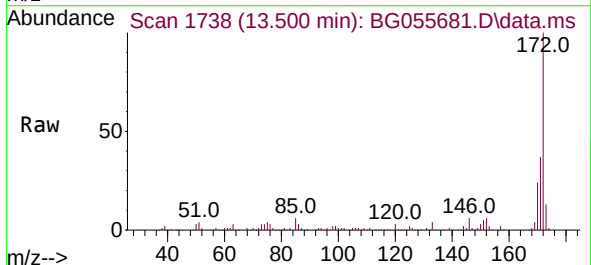
Manual Integrations
APPROVED

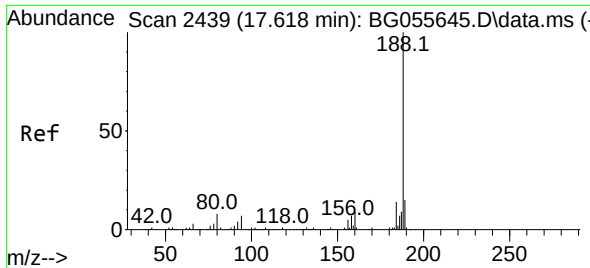
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#45
2-Fluorobiphenyl
Concen: 27.737 ng
RT: 13.500 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

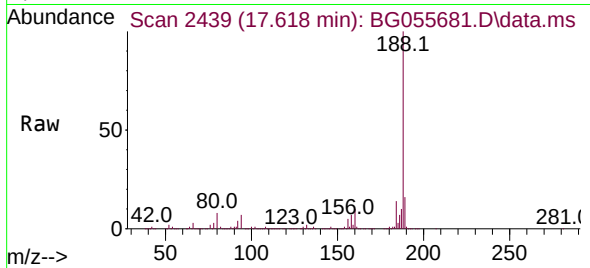
Tgt Ion:172 Resp: 275519
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.3 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

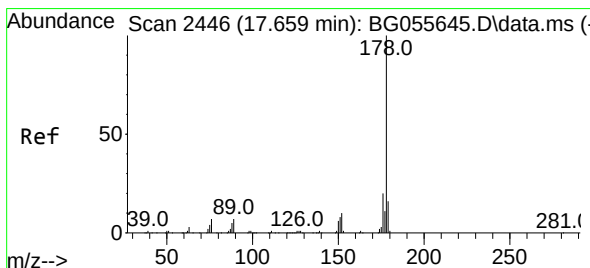
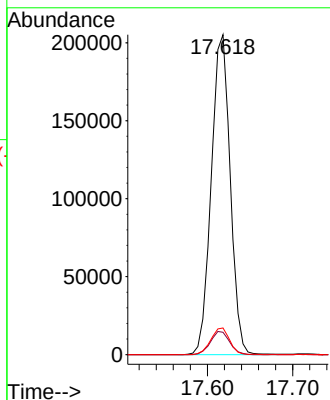
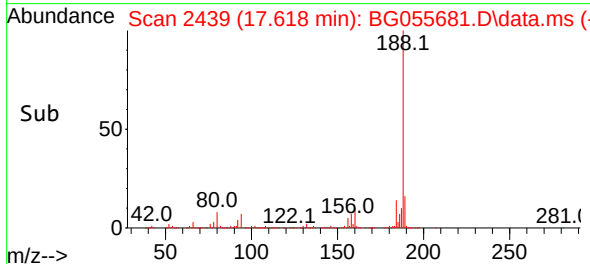
Instrument :
BNA_G
ClientSampleId :
CL-02-11622



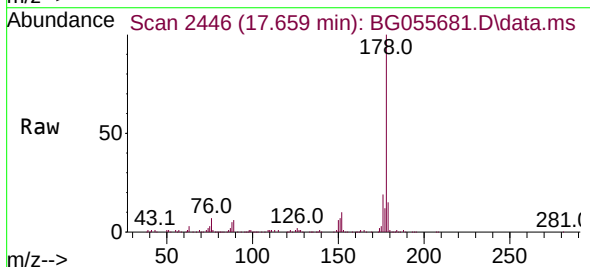
Tgt Ion:188 Resp: 316029
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations
APPROVED

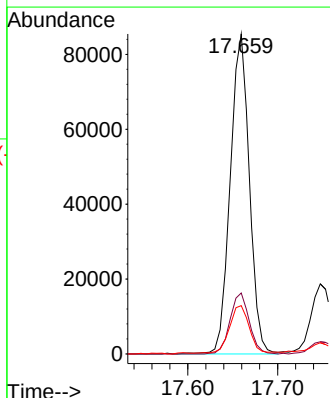
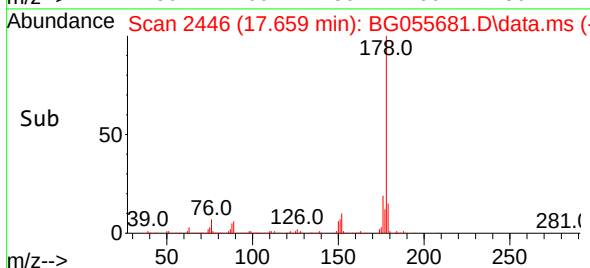
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

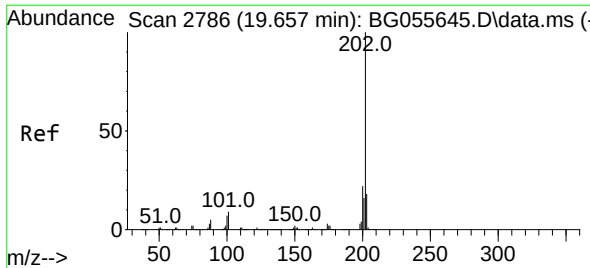


#71
Phenanthrene
Concen: 7.420 ng
RT: 17.659 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29



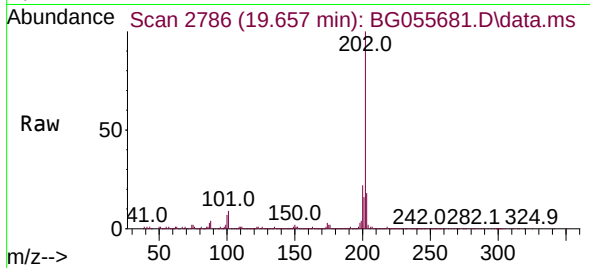
Tgt Ion:178 Resp: 126542
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 12.7 19.1





#75
Fluoranthene
Concen: 17.873 ng
RT: 19.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

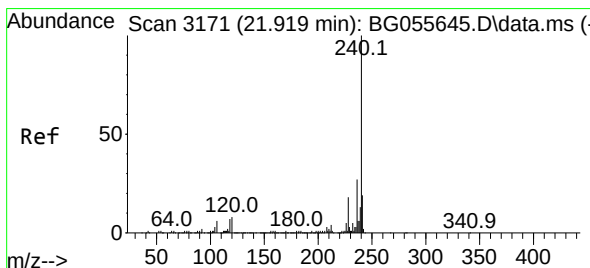
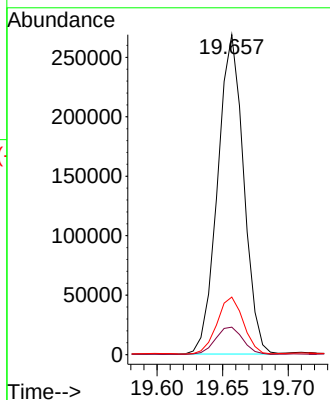
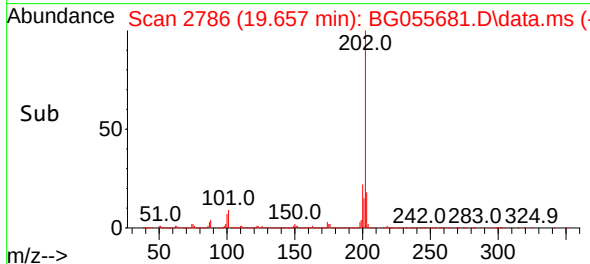
Instrument :
BNA_G
ClientSampleId :
CL-02-11622



Tgt Ion:202 Resp: 370817
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 18.0 0.0 38.1

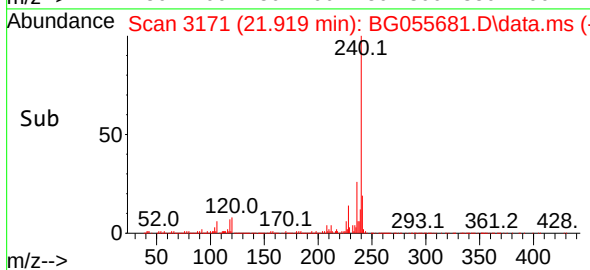
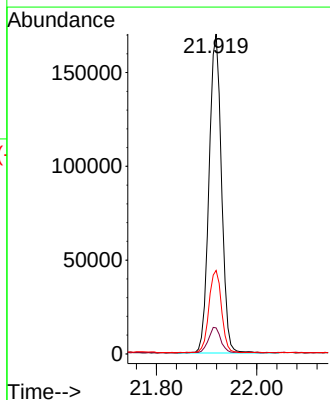
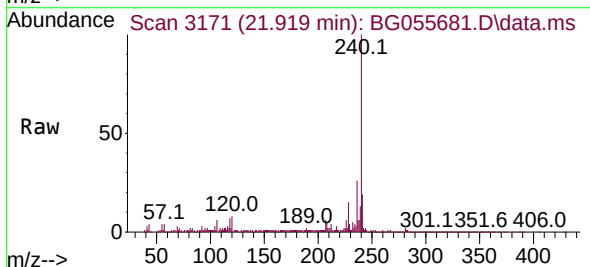
Manual Integrations
APPROVED

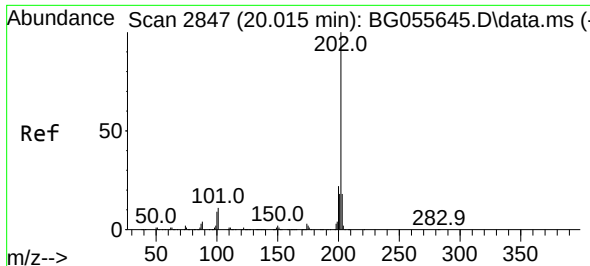
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:240 Resp: 292027
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.1 21.9 32.9





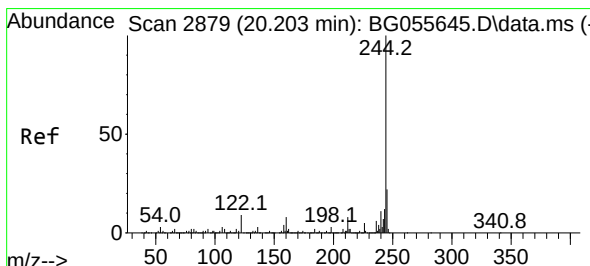
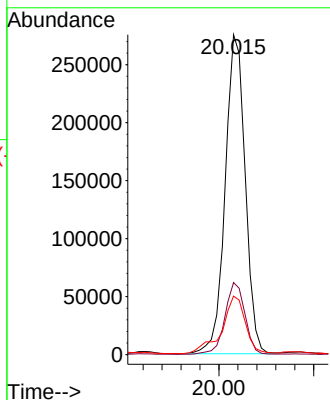
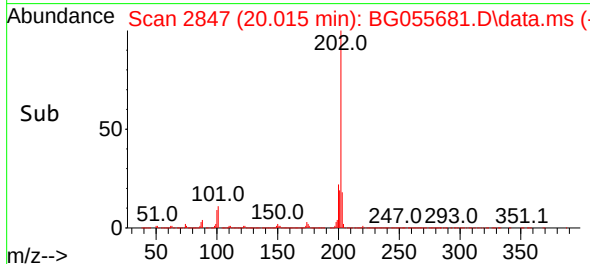
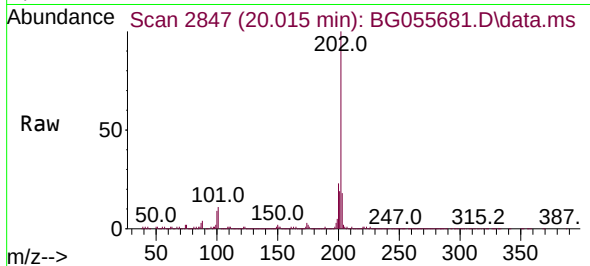
#78
Pyrene
Concen: 20.430 ng
RT: 20.015 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Tgt Ion:202 Resp: 403843
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 18.3 14.4 21.6

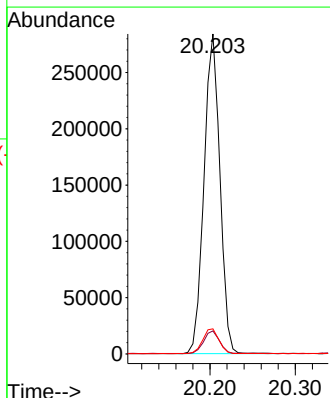
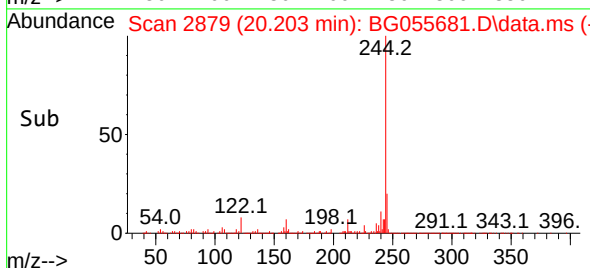
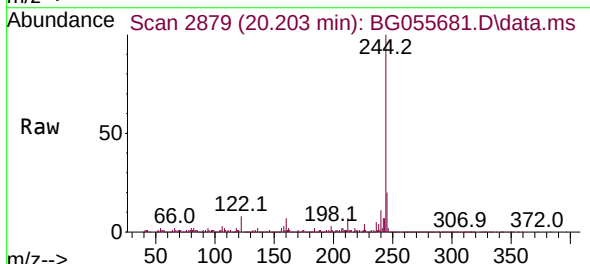
Manual Integrations
APPROVED

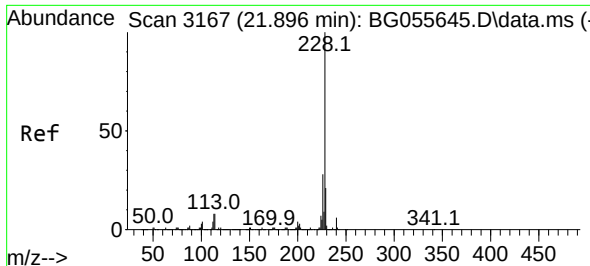
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#79
Terphenyl-d14
Concen: 25.170 ng
RT: 20.203 min Scan# 2879
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

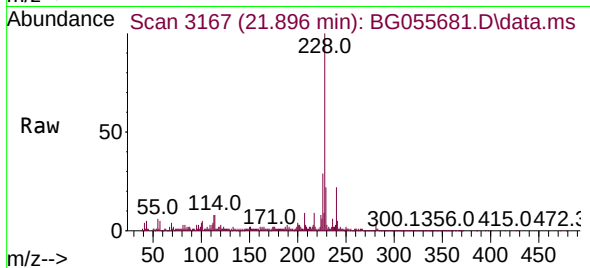
Tgt Ion:244 Resp: 367491
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 7.8 6.9 10.3





#81
Benzo(a)anthracene
Concen: 10.543 ng
RT: 21.896 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

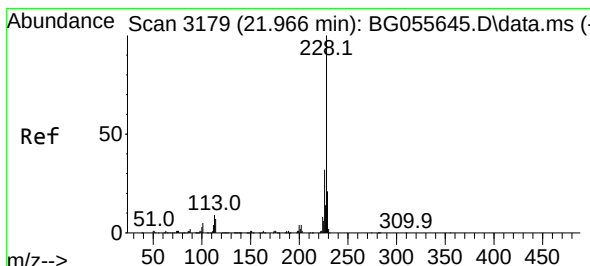
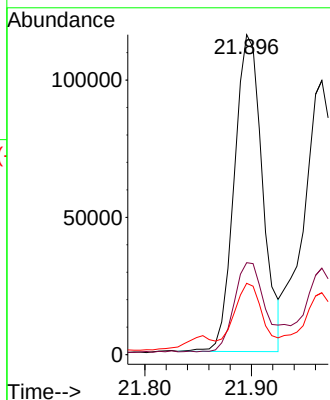
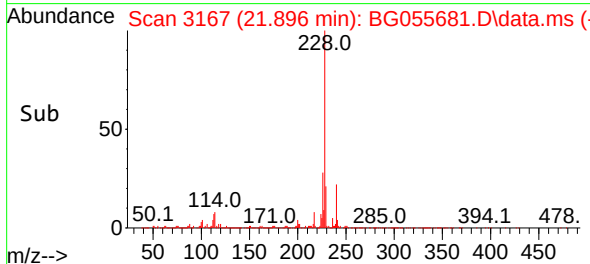
Instrument :
BNA_G
ClientSampleId :
CL-02-11622



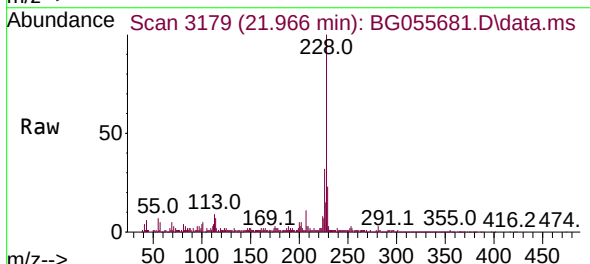
Tgt Ion:228 Resp: 212064
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 22.3 16.5 24.7

Manual Integrations
APPROVED

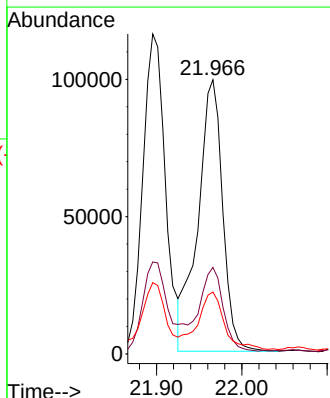
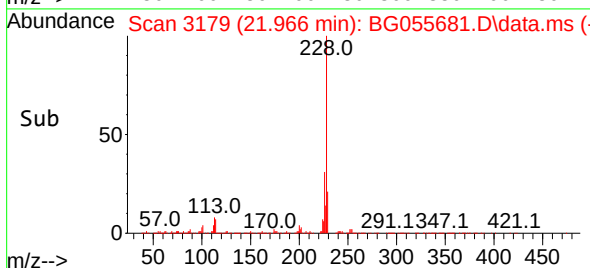
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

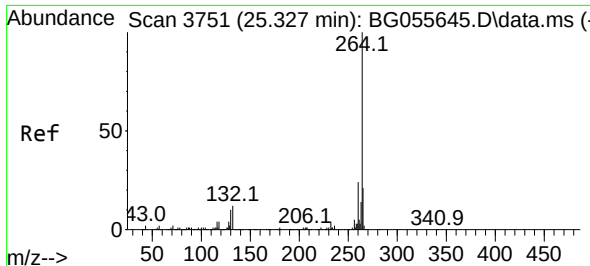


#83
Chrysene
Concen: 10.446 ng
RT: 21.966 min Scan# 3179
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29



Tgt Ion:228 Resp: 200014
Ion Ratio Lower Upper
228 100
226 31.6 25.4 38.2
229 22.6 17.1 25.7





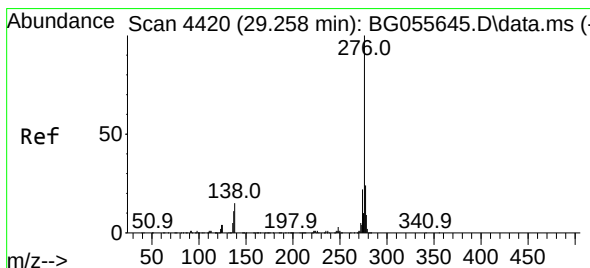
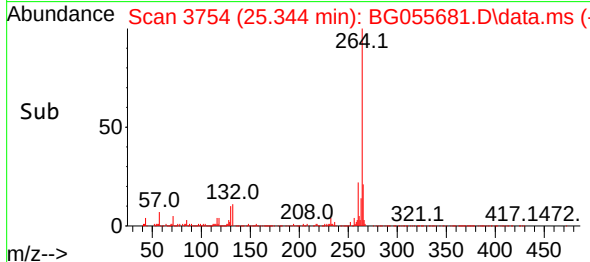
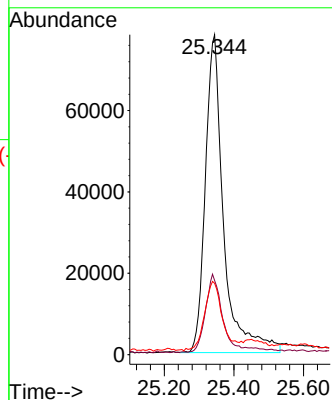
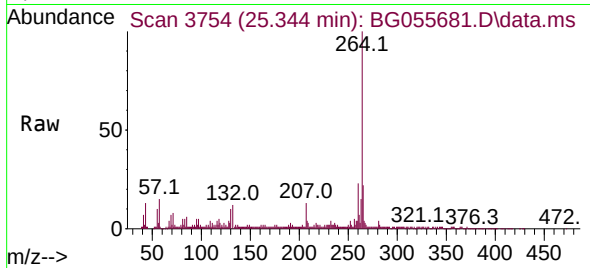
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Tgt Ion:264 Resp: 284293
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.3 17.1 25.7

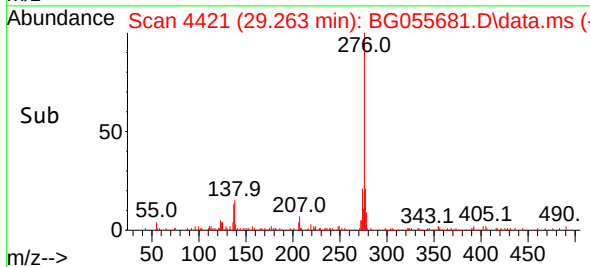
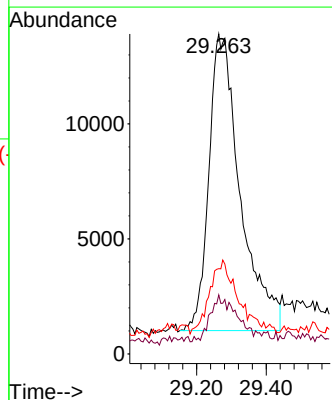
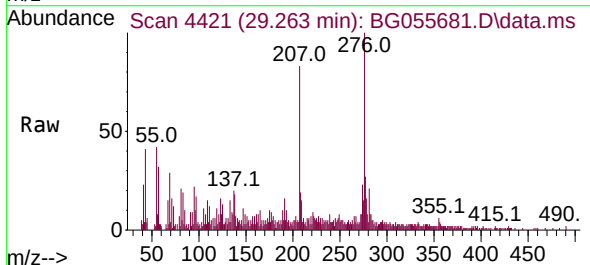
Manual Integrations
APPROVED

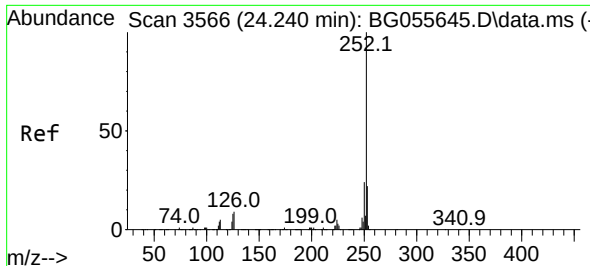
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.461 ng
RT: 29.263 min Scan# 4421
Delta R.T. 0.006 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

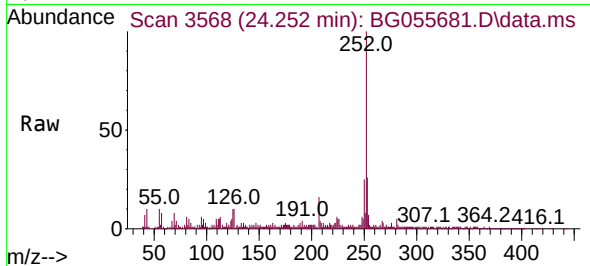
Tgt Ion:276 Resp: 80614
Ion Ratio Lower Upper
276 100
138 12.5 10.4 15.6
277 21.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 14.013 ng
RT: 24.252 min Scan# 3568
Delta R.T. 0.012 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

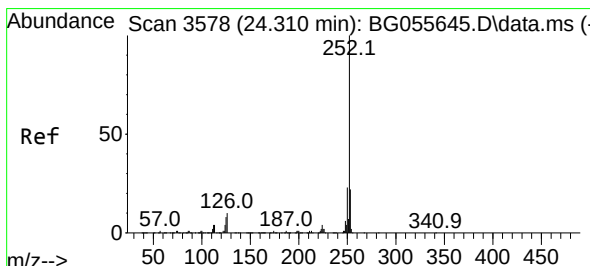
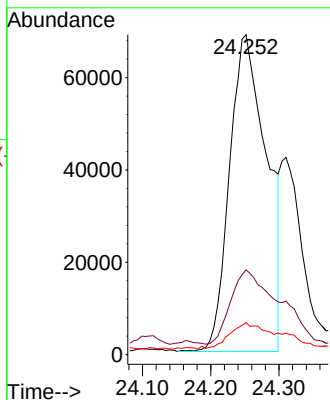
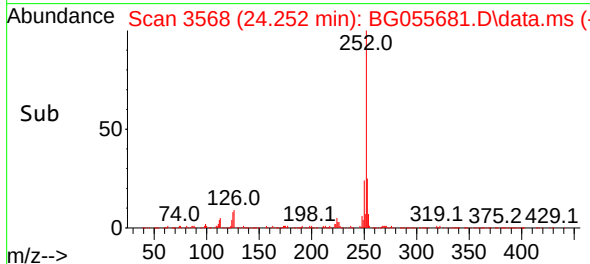
Instrument :
BNA_G
ClientSampleId :
CL-02-11622



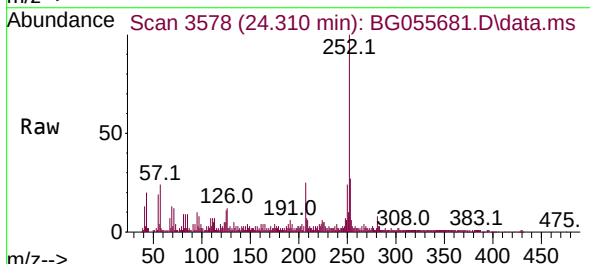
Tgt Ion:252 Resp: 259440
Ion Ratio Lower Upper
252 100
253 26.5 18.0 27.0
125 10.0 6.2 9.2

Manual Integrations
APPROVED

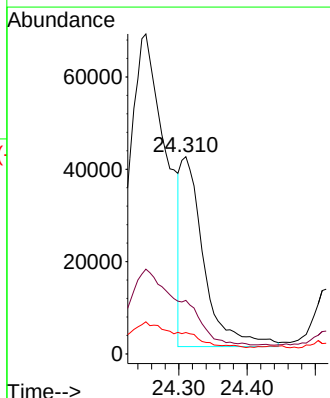
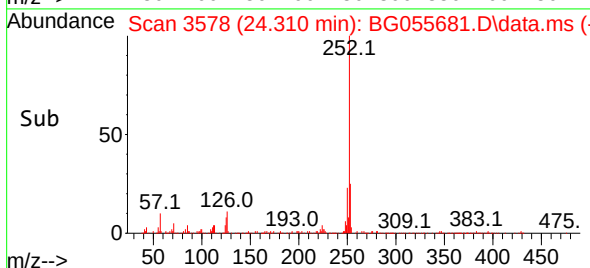
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

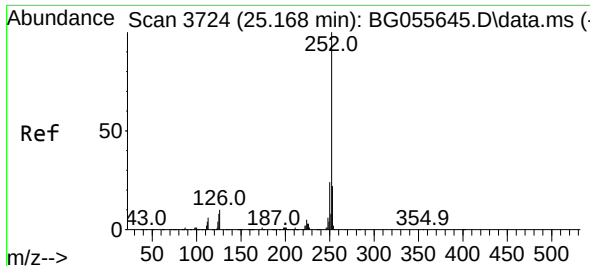


#89
Benzo(k)fluoranthene
Concen: 5.265 ng m
RT: 24.310 min Scan# 3578
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29



Tgt Ion:252 Resp: 97163
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.6#
125 10.8 6.1 9.1#





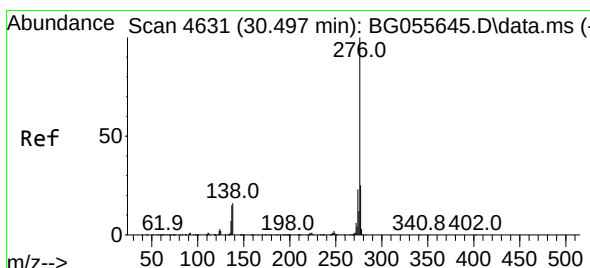
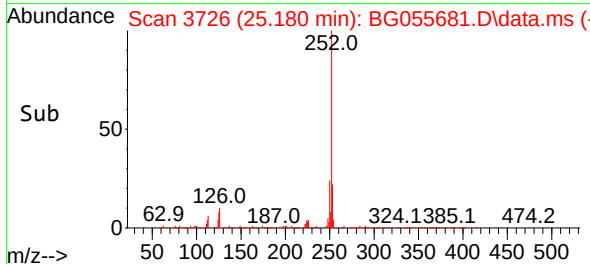
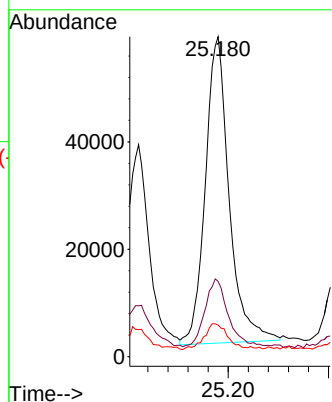
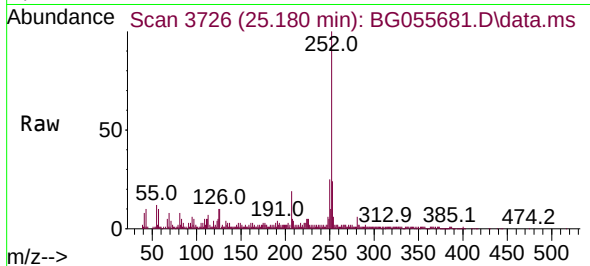
#90
Benzo(a)pyrene
Concen: 11.855 ng
RT: 25.180 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
CL-02-11622

Tgt Ion:252 Resp: 18835
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.9 6.4 9.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#92
Benzo(g,h,i)perylene
Concen: 4.189 ng m
RT: 30.503 min Scan# 4632
Delta R.T. 0.006 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:276 Resp: 80347
Ion Ratio Lower Upper
276 100
277 26.2 19.8 29.6
138 18.0 13.1 19.7

