

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
 Data File : BG055169.D
 Acq On : 13 Oct 2022 18:40
 Operator : CG/JU
 Sample : N5101-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-2-101122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/14/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 14 01:27:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	50821	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	203384	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	126270	20.000	ng	0.00
64) Phenanthrene-d10	17.642	188	254243	20.000	ng	0.00
76) Chrysene-d12	21.931	240	244505	20.000	ng	0.00
86) Perylene-d12	25.362	264	258881	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	104322	40.161	ng	0.00
7) Phenol-d6	7.436	99	140874	36.662	ng	0.00
23) Nitrobenzene-d5	9.475	82	92251	24.323	ng	0.00
42) 2,4,6-Tribromophenol	16.384	330	63929	35.235	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	219665	28.418	ng	0.00
79) Terphenyl-d14	20.221	244	314036	25.868	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.645	152	32240	2.832	ng	97
71) Phenanthrene	17.689	178	165346	12.538	ng	99
72) Anthracene	17.777	178	28678	2.225	ng	98
75) Fluoranthene	19.675	202	269319	16.337	ng	98
78) Pyrene	20.033	202	386694	23.724	ng	99
81) Benzo(a)anthracene	21.907	228	190866	12.201	ng	97
83) Chrysene	21.978	228	209730	14.212	ng	97
87) Indeno(1,2,3-cd)pyrene	29.293	276	88037	4.591	ng	# 85
88) Benzo(b)fluoranthene	24.263	252	229857	14.897	ng	# 96
89) Benzo(k)fluoranthene	24.328	252	65027m	4.195	ng	
90) Benzo(a)pyrene	25.198	252	195543	14.820	ng	97
92) Benzo(g,h,i)perylene	30.521	276	91727	5.901	ng	95

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

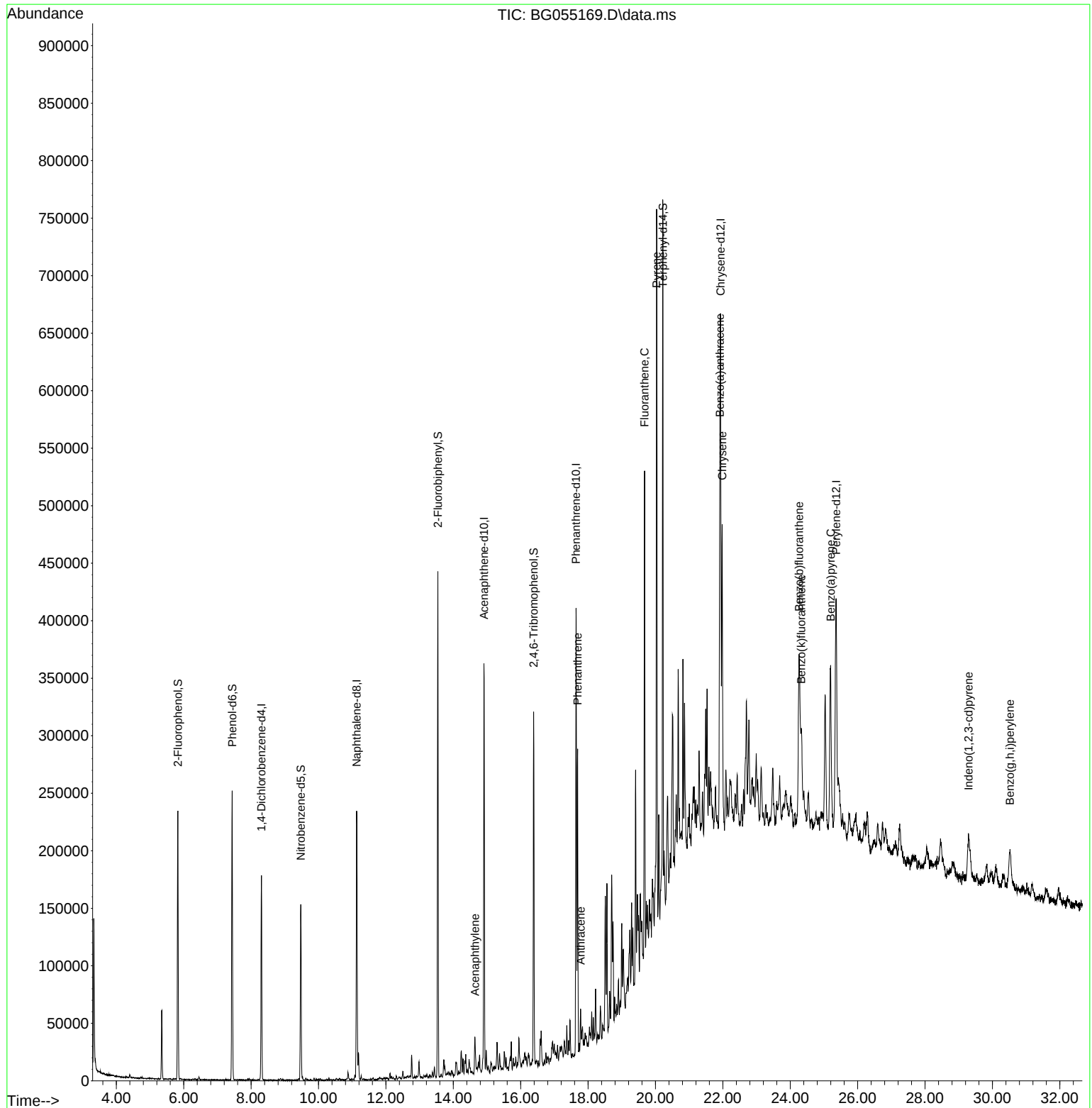
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

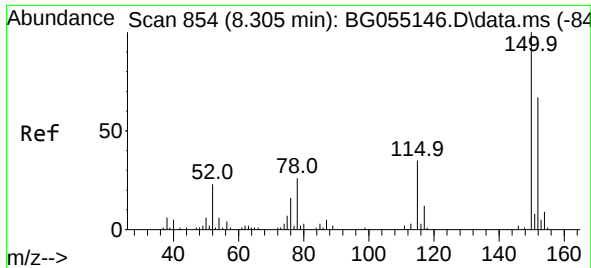
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Time: Oct 14 01:27:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

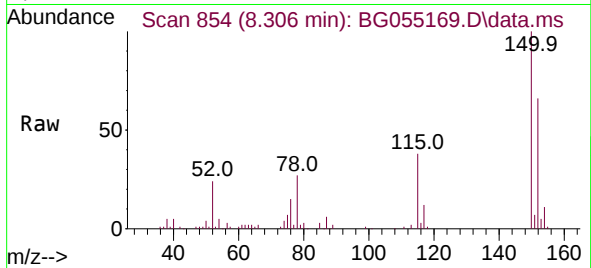
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 854
Delta R.T. 0.001 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

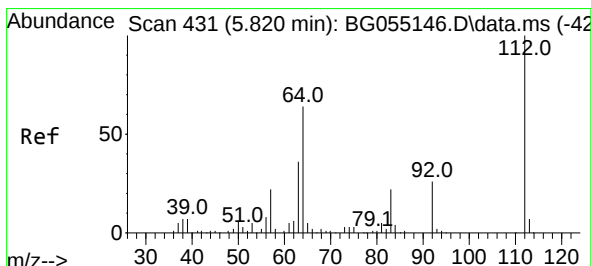
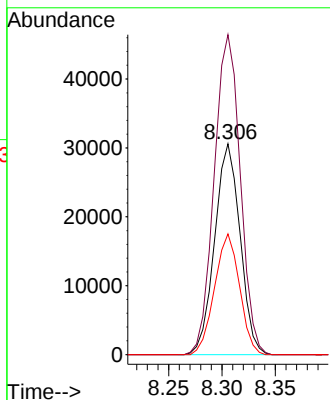
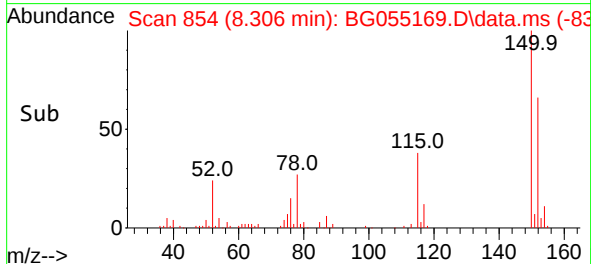
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



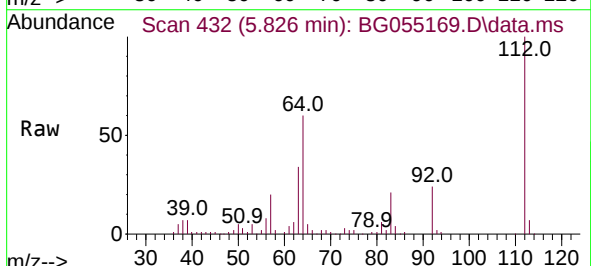
Tgt Ion:152 Resp: 50821
Ion Ratio Lower Upper
152 100
150 151.9 119.7 179.5
115 57.3 42.4 63.6

Manual Integrations
APPROVED

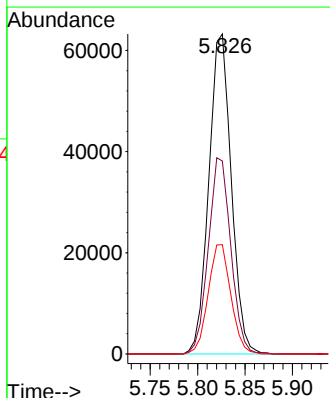
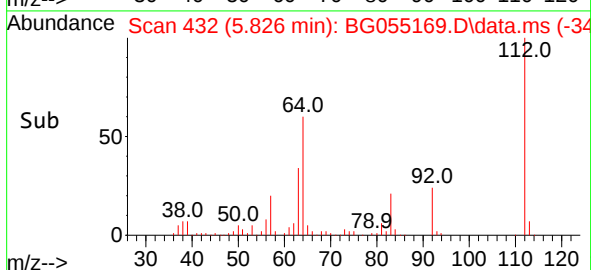
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

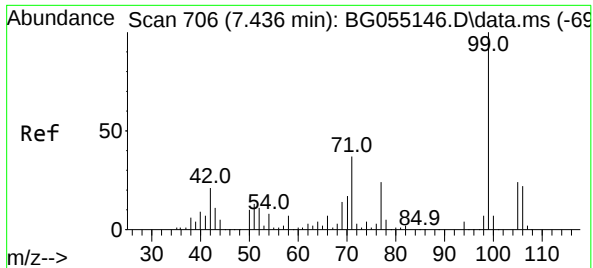


#5
2-Fluorophenol
Concen: 40.161 ng
RT: 5.826 min Scan# 432
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40



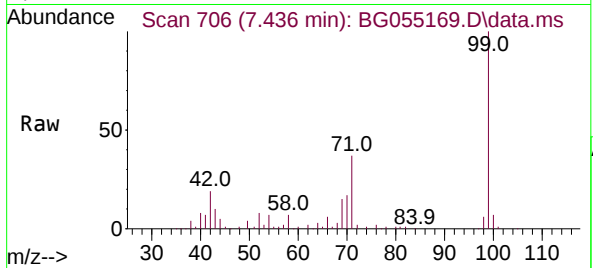
Tgt Ion:112 Resp: 104322
Ion Ratio Lower Upper
112 100
64 60.3 50.9 76.3
63 34.1 29.0 43.6





#7
Phenol-d6
Concen: 36.662 ng
RT: 7.436 min Scan# 706
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

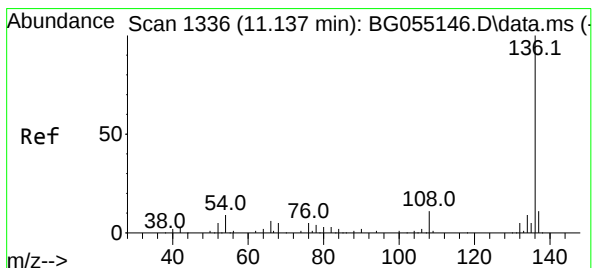
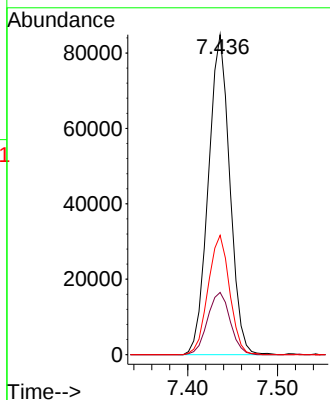
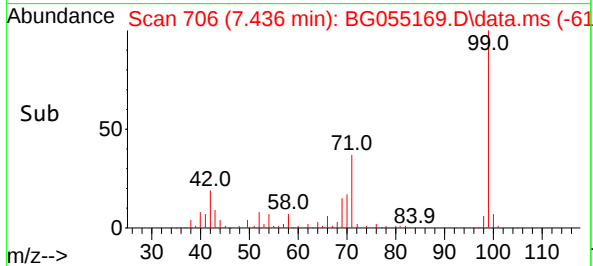
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



Tgt Ion: 99 Resp: 140874
Ion Ratio Lower Upper
99 100
42 19.4 16.6 25.0
71 37.3 29.6 44.4

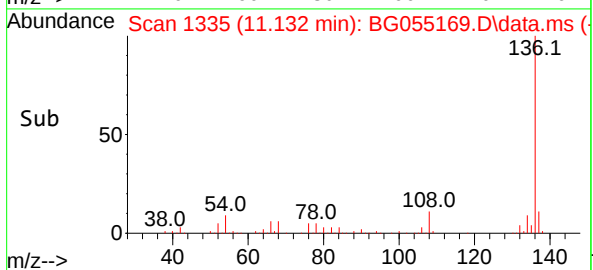
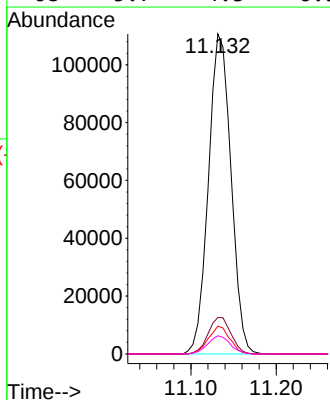
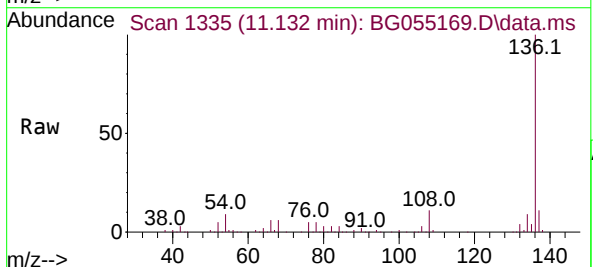
Manual Integrations
APPROVED

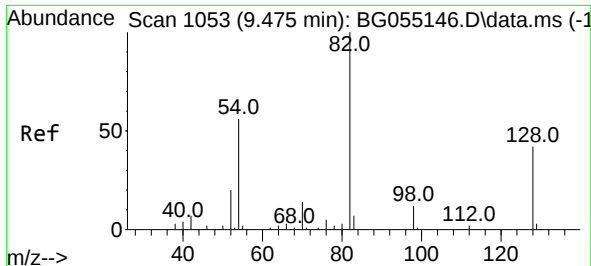
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:136 Resp: 203384
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 8.7 7.0 10.6
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 24.323 ng

RT: 9.475 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

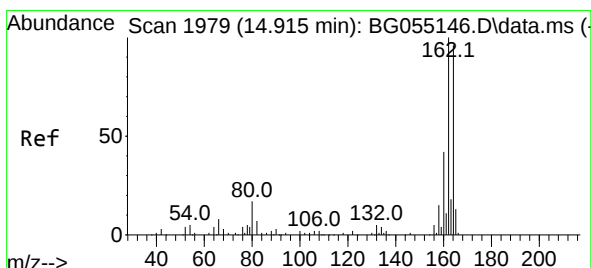
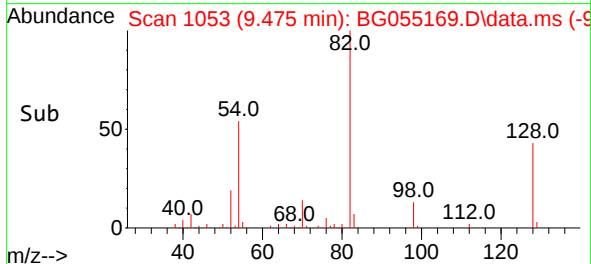
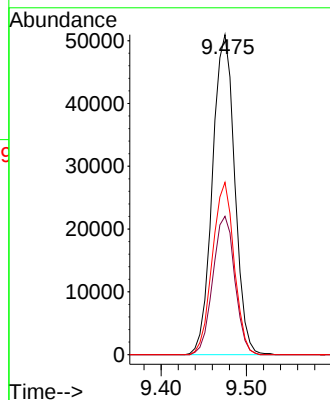
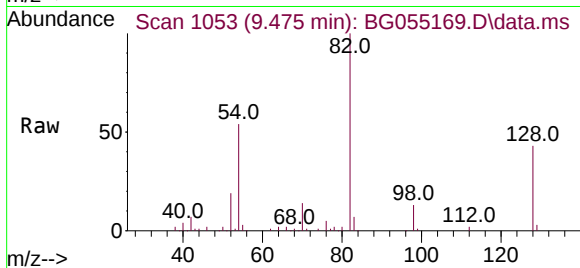
Tgt Ion: 82 Resp: 9225

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.5	50.3
54	53.8	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.910 min Scan# 1978

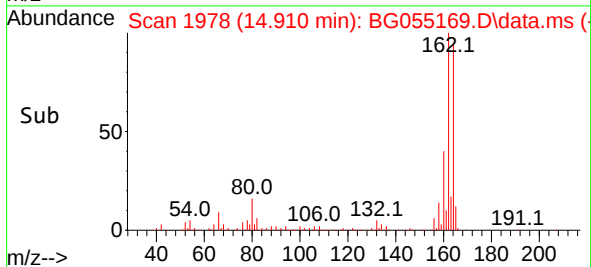
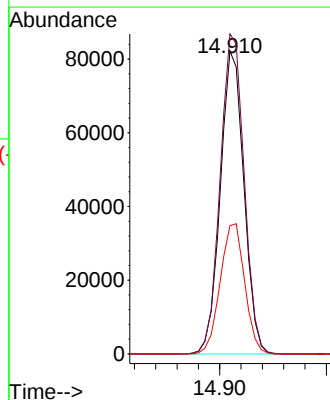
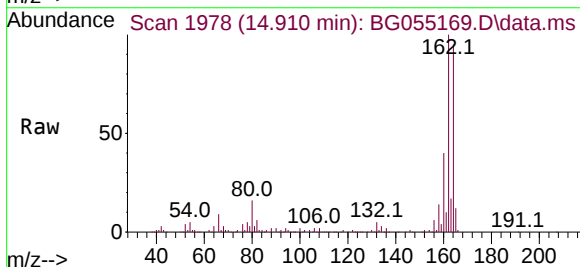
Delta R.T. -0.006 min

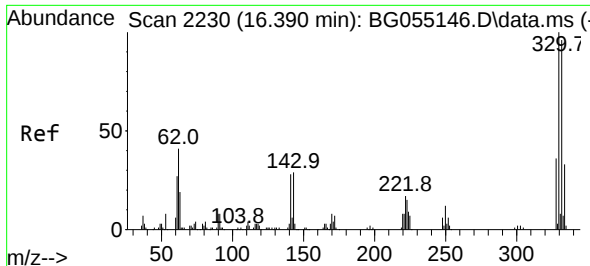
Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Tgt Ion:164 Resp: 126270

Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.3	124.9
160	42.4	35.3	52.9





#42
2,4,6-Tribromophenol
Concen: 35.235 ng
RT: 16.384 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

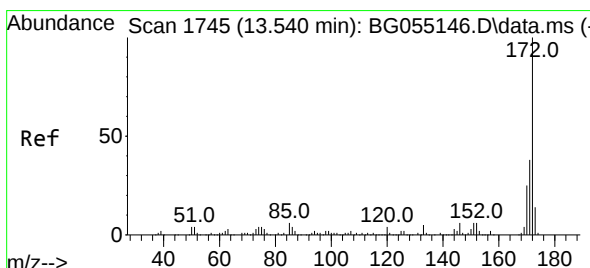
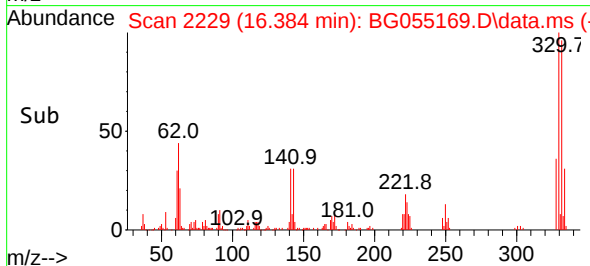
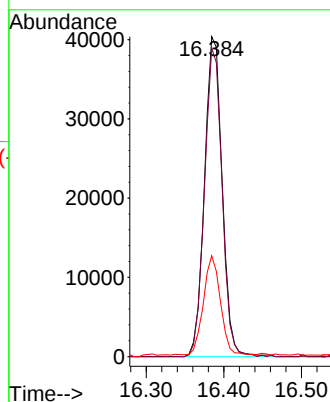
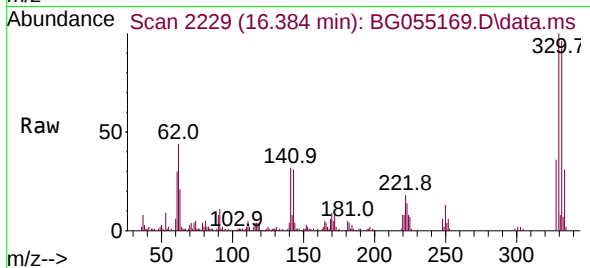
OK-2-101122

Tgt Ion:330 Resp: 63929
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 30.1 24.6 36.8

Manual Integrations

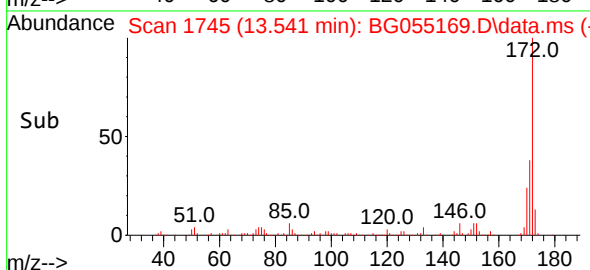
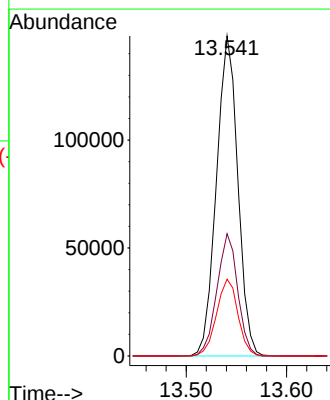
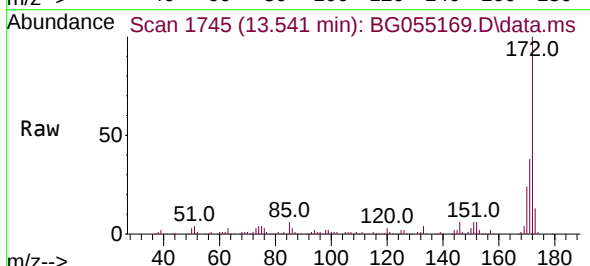
APPROVED

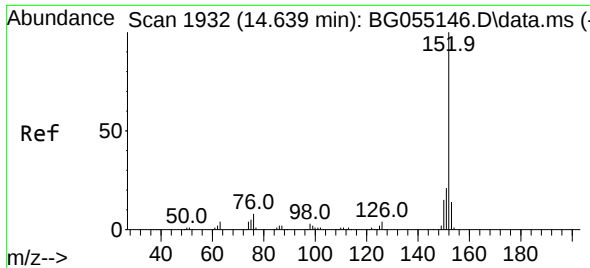
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#45
2-Fluorobiphenyl
Concen: 28.418 ng
RT: 13.541 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:172 Resp: 219665
Ion Ratio Lower Upper
172 100
171 38.2 30.1 45.1
170 24.0 19.8 29.6





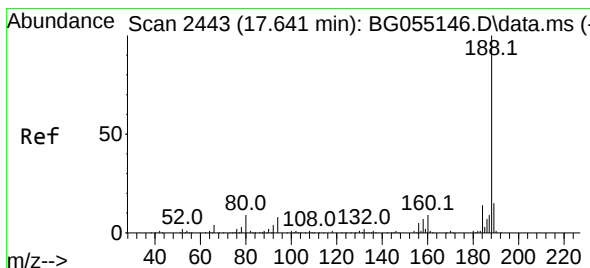
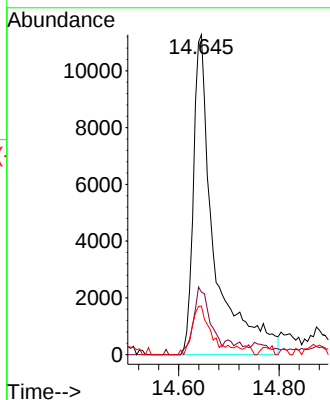
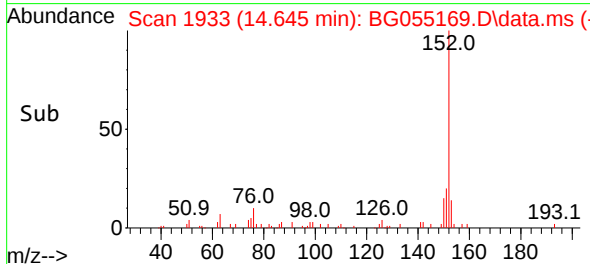
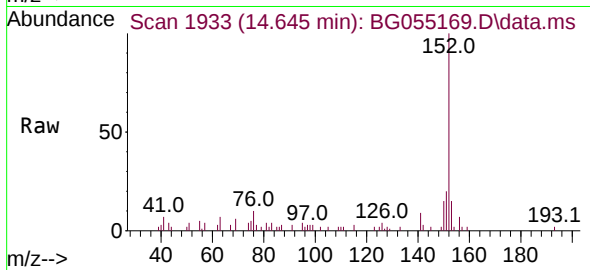
#49
Acenaphthylene
Concen: 2.832 ng
RT: 14.645 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Tgt Ion:152 Resp: 32240
Ion Ratio Lower Upper
152 100
151 19.5 16.5 24.7
153 15.2 10.8 16.2

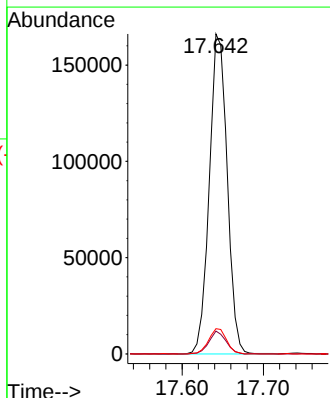
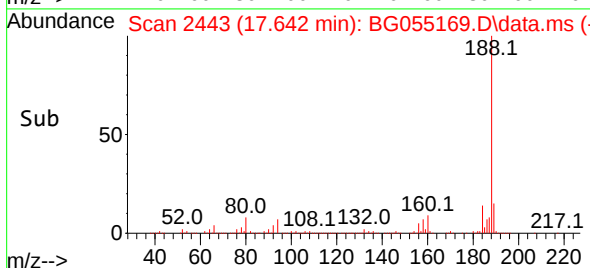
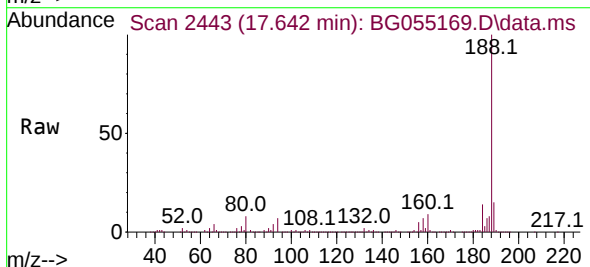
Manual Integrations
APPROVED

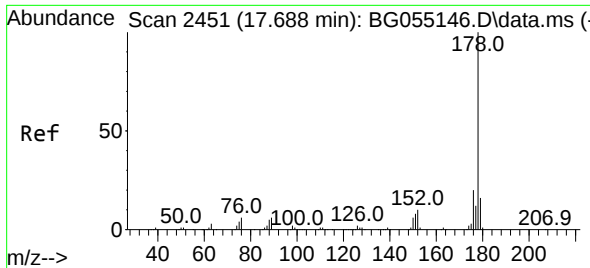
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

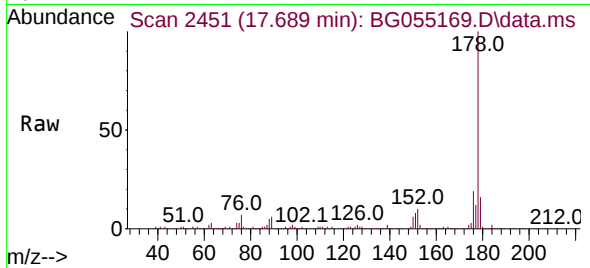
Tgt Ion:188 Resp: 254243
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 7.9 7.0 10.6





#71
Phenanthrene
Concen: 12.538 ng
RT: 17.689 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

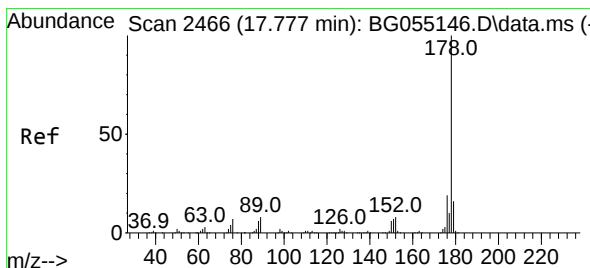
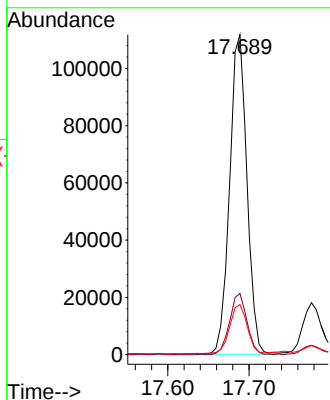
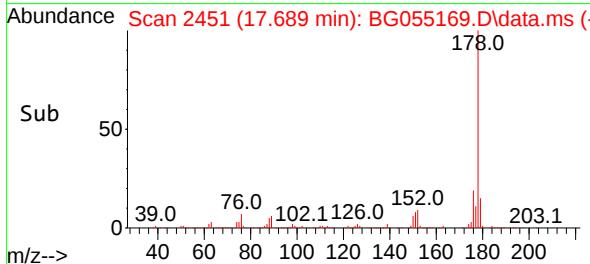
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



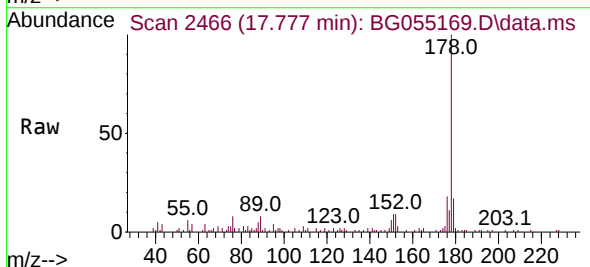
Tgt Ion:178 Resp: 165346
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 12.7 19.1

Manual Integrations
APPROVED

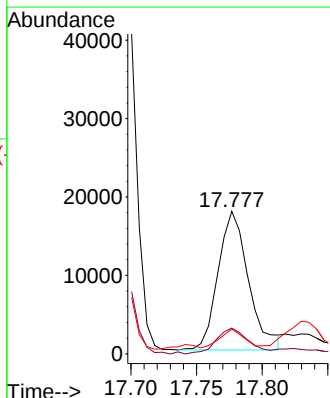
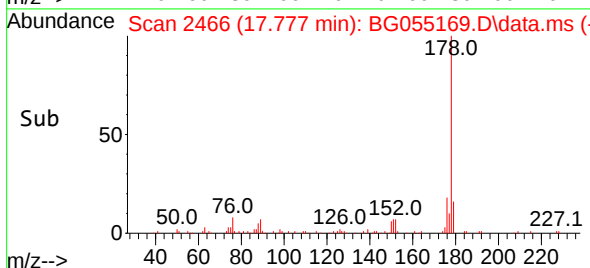
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

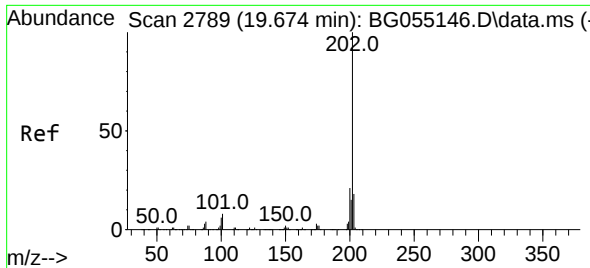


#72
Anthracene
Concen: 2.225 ng
RT: 17.777 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40



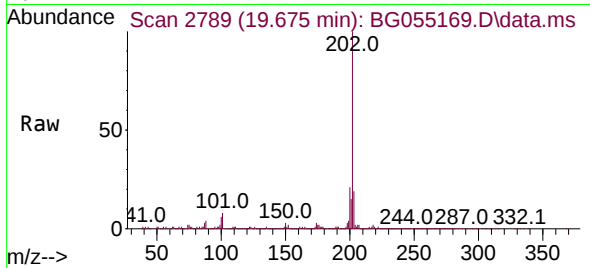
Tgt Ion:178 Resp: 28678
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 17.5 13.0 19.4





#75
Fluoranthene
Concen: 16.337 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

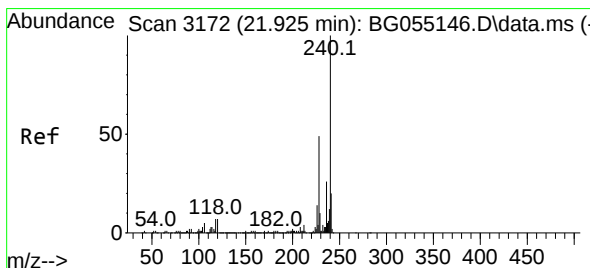
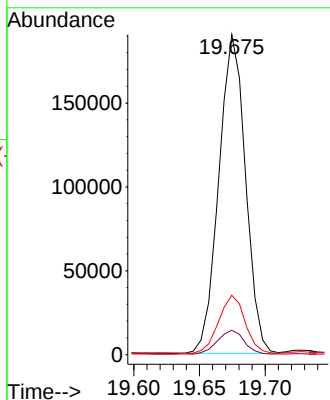
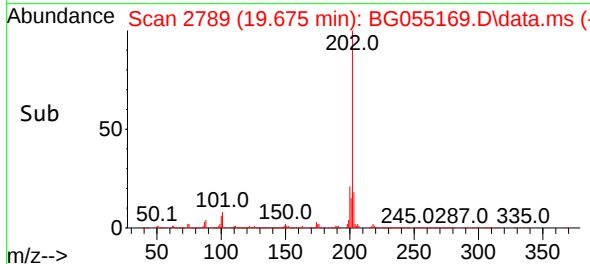
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



Tgt Ion:202 Resp: 269319
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.4
203 18.5 0.0 37.8

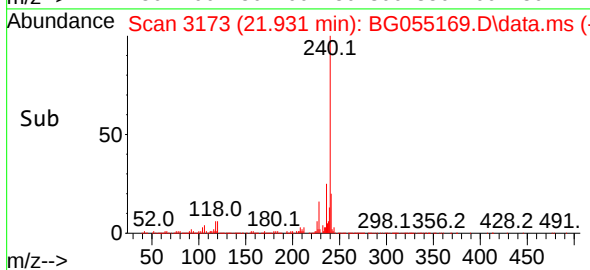
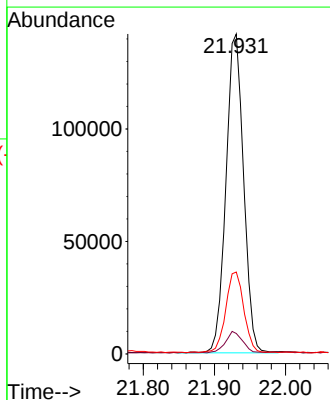
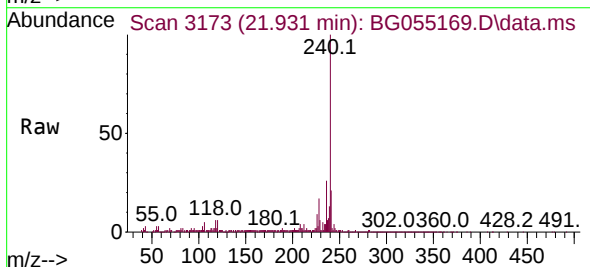
Manual Integrations
APPROVED

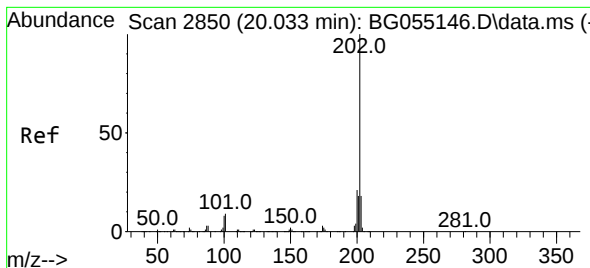
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:240 Resp: 244505
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.6 20.6 31.0





#78

Pyrene

Concen: 23.724 ng

RT: 20.033 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

Tgt Ion:202 Resp: 386694

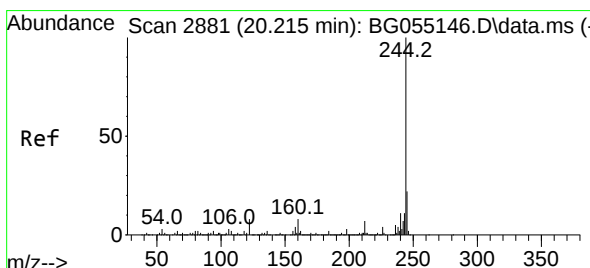
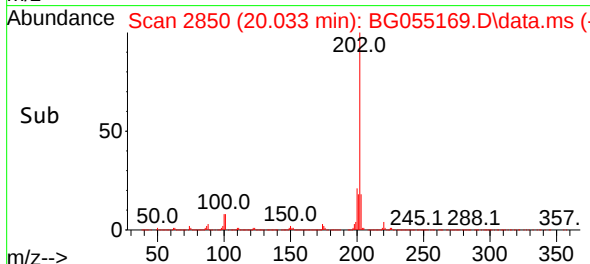
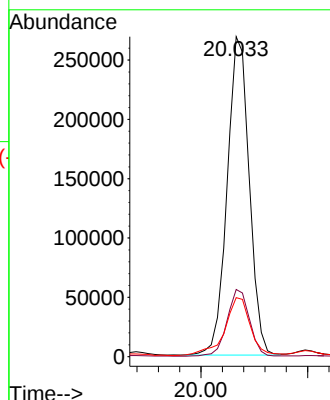
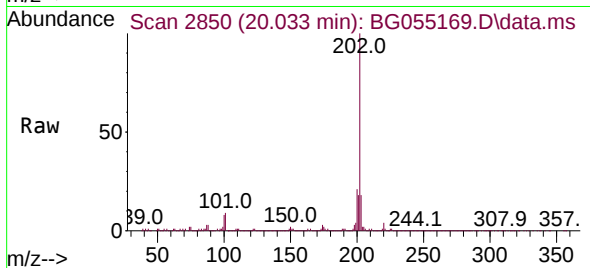
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	18.4	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/14/2022

Supervised By :Jagrut Upadhyay 10/14/2022



#79

Terphenyl-d14

Concen: 25.868 ng

RT: 20.221 min Scan# 2882

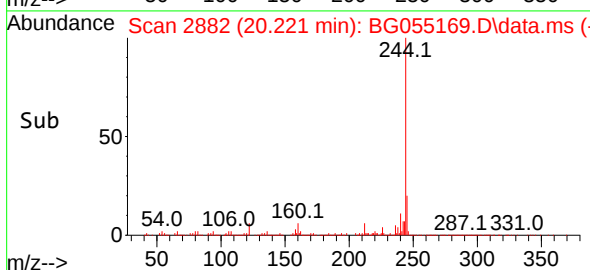
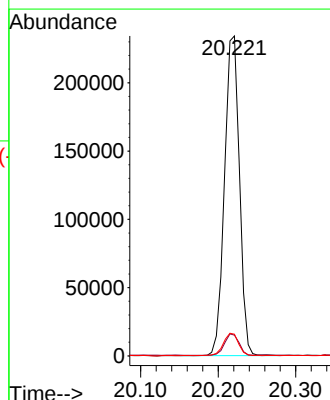
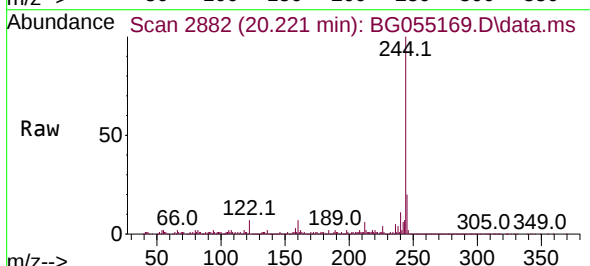
Delta R.T. 0.006 min

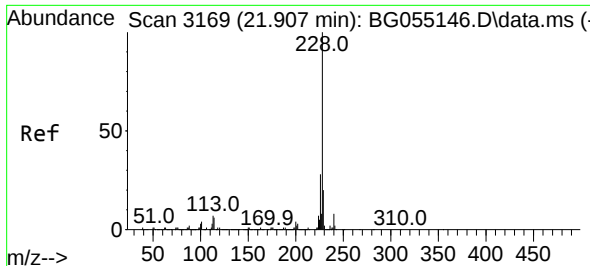
Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Tgt Ion:244 Resp: 314036

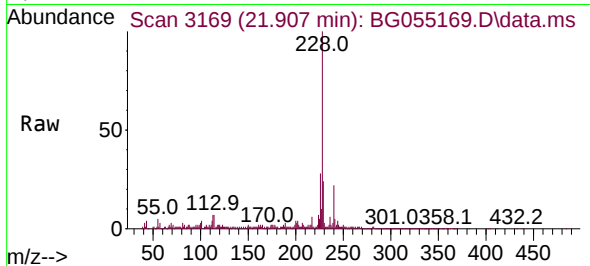
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	6.8	6.6	10.0





#81
Benzo(a)anthracene
Concen: 12.201 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

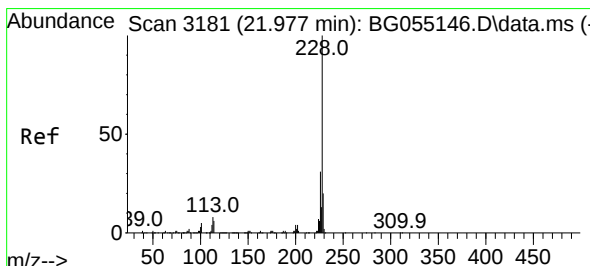
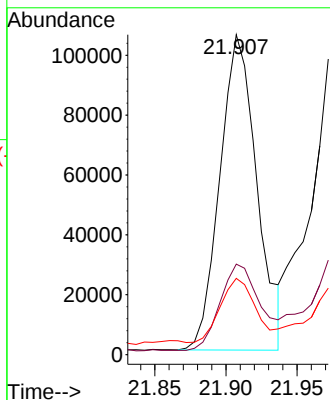
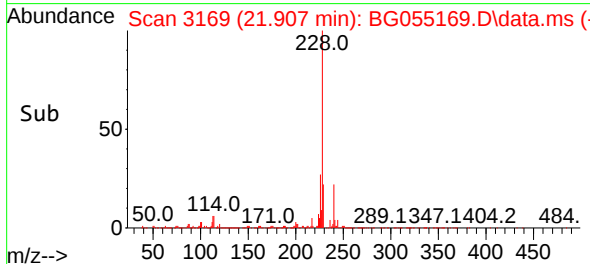
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



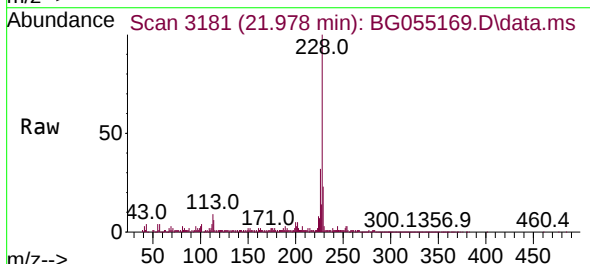
Tgt Ion:228 Resp: 190866
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 23.8 16.2 24.4

Manual Integrations
APPROVED

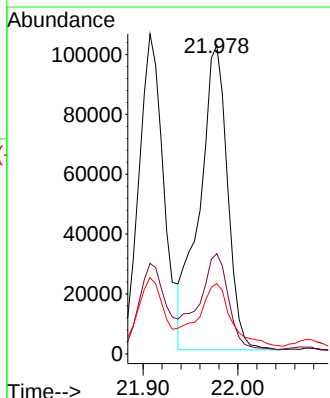
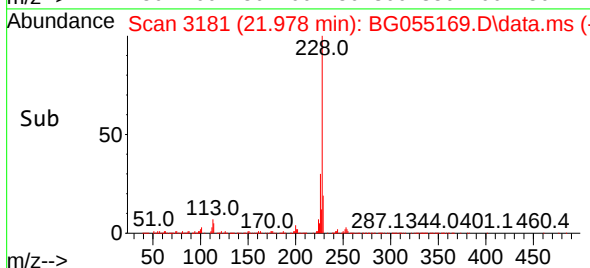
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

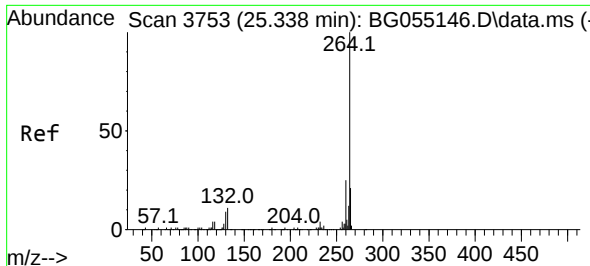


#83
Chrysene
Concen: 14.212 ng
RT: 21.978 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40



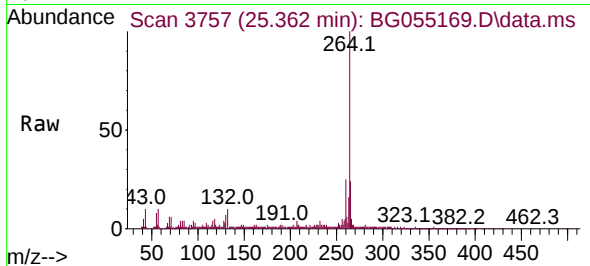
Tgt Ion:228 Resp: 209730
Ion Ratio Lower Upper
228 100
226 32.5 25.1 37.7
229 22.8 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.362 min Scan# 31
Delta R.T. 0.024 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

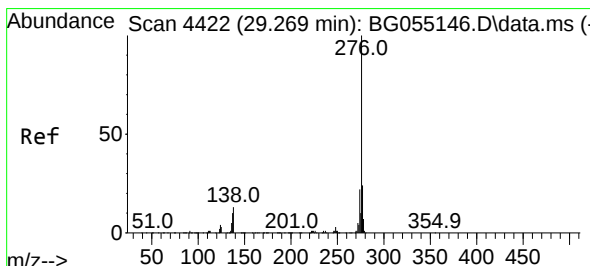
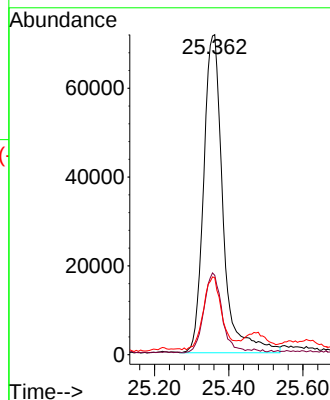
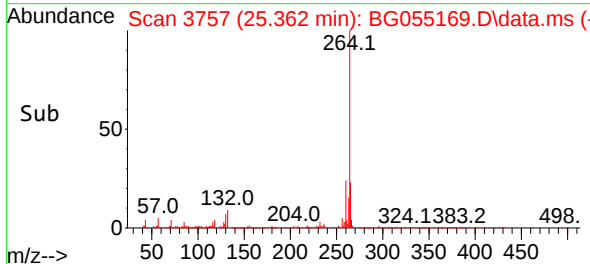
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



Tgt Ion:264 Resp: 25888
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 24.0 16.8 25.2

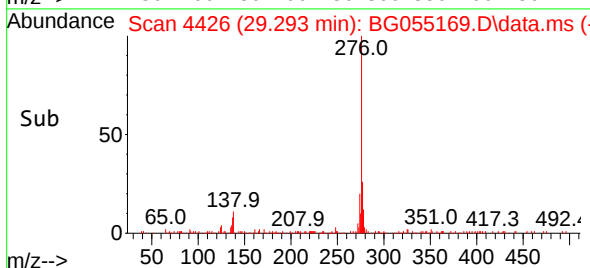
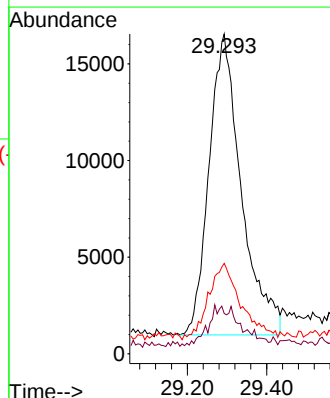
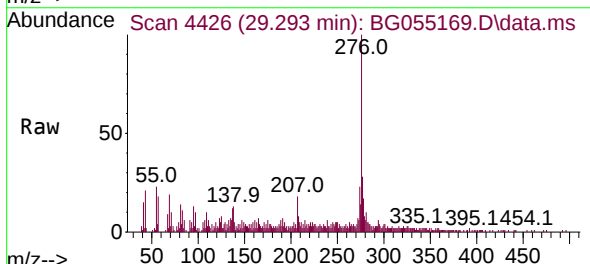
Manual Integrations
APPROVED

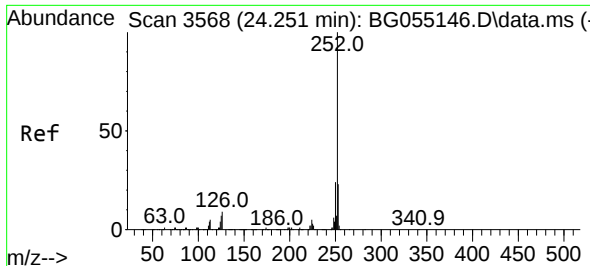
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.591 ng
RT: 29.293 min Scan# 4426
Delta R.T. 0.024 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

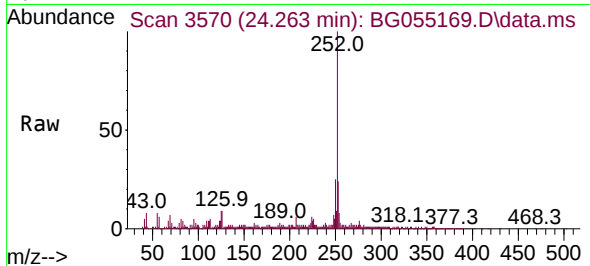
Tgt Ion:276 Resp: 88037
Ion Ratio Lower Upper
276 100
138 0.0 13.4 20.0#
277 25.8 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 14.897 ng
RT: 24.263 min Scan# 3570
Delta R.T. 0.012 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

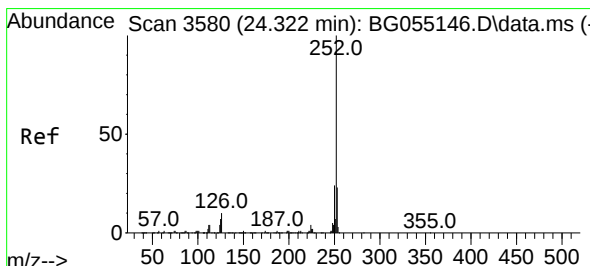
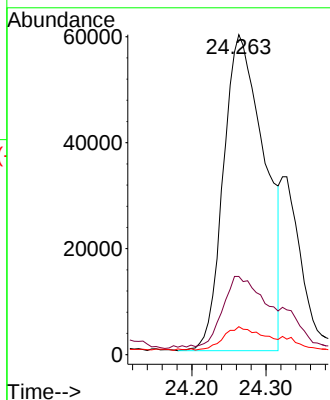
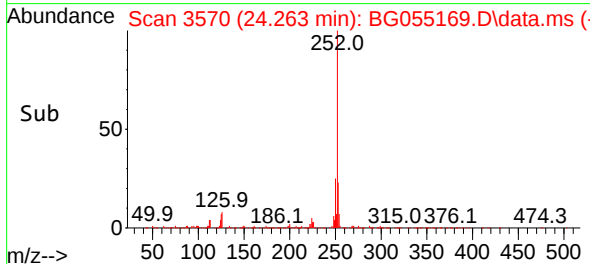
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



Tgt Ion:252 Resp: 22985
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 8.7 5.7 8.5

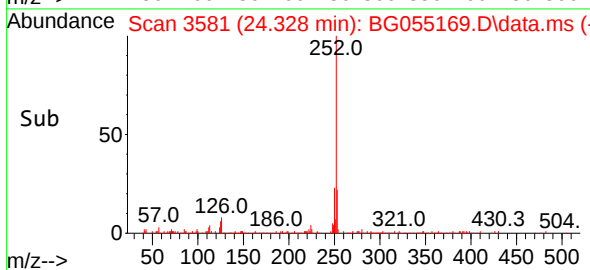
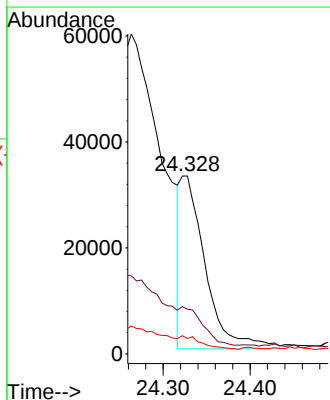
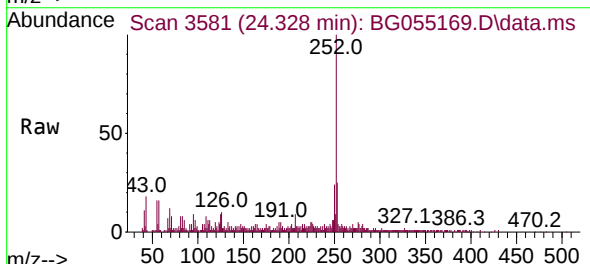
Manual Integrations
APPROVED

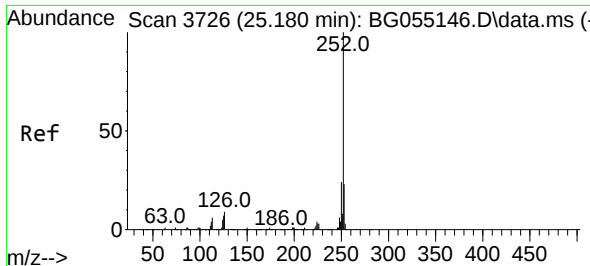
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#89
Benzo(k)fluoranthene
Concen: 4.195 ng m
RT: 24.328 min Scan# 3581
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

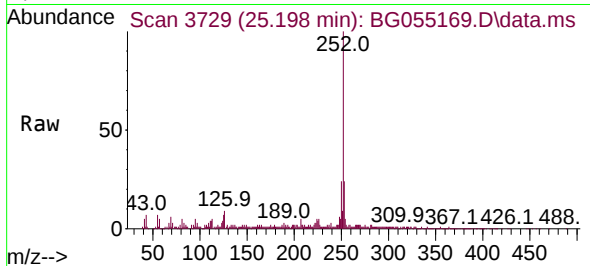
Tgt Ion:252 Resp: 65027
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 8.7 5.8 8.6





#90
Benzo(a)pyrene
Concen: 14.820 ng
RT: 25.198 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

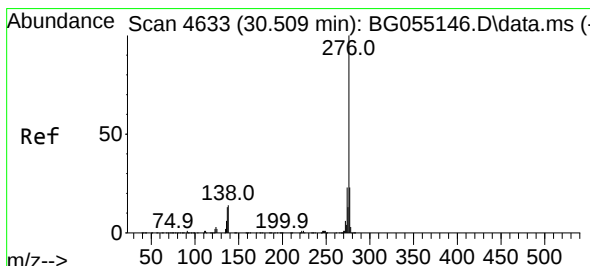
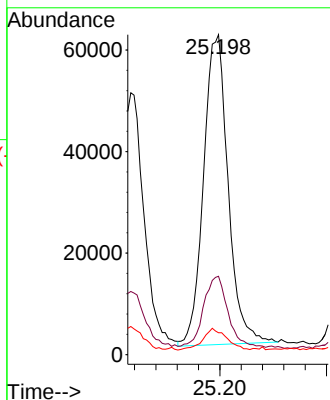
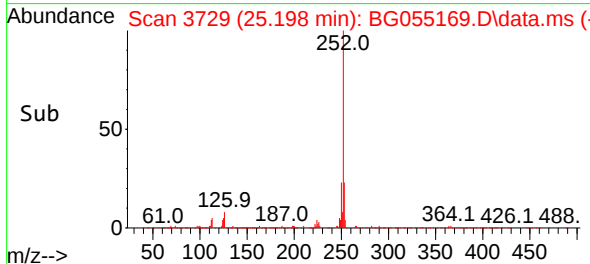
Instrument :
BNA_G
ClientSampleId :
OK-2-101122



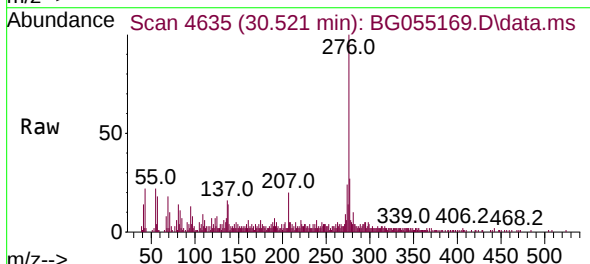
Tgt Ion:252 Resp: 195543
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 6.9 5.8 8.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#92
Benzo(g,h,i)perylene
Concen: 5.901 ng
RT: 30.521 min Scan# 4635
Delta R.T. 0.012 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40



Tgt Ion:276 Resp: 91727
Ion Ratio Lower Upper
276 100
277 27.0 18.4 27.6
138 13.7 11.2 16.8

