

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055179.D
 Acq On : 14 Oct 2022 15:33
 Operator : CG/JU
 Sample : N5104-01RE 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-101122RE

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

Quant Time: Oct 14 16:18:41 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	8.305	152	47283	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	188266	20.000	ng	0.00
39) Acenaphthene-d10	14.914	164	113402	20.000	ng	0.00
64) Phenanthrene-d10	17.652	188	228834	20.000	ng	0.01
76) Chrysene-d12	21.936	240	222016	20.000	ng	0.01
86) Perylene-d12	25.379	264	226207	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	113381	46.915	ng	0.00
7) Phenol-d6	7.435	99	155127	43.392	ng	0.00
23) Nitrobenzene-d5	9.474	82	99014	28.203	ng	0.00
42) 2,4,6-Tribromophenol	16.389	330	69624	42.728	ng	0.00
45) 2-Fluorobiphenyl	13.545	172	235776	33.963	ng	0.00
79) Terphenyl-d14	20.226	244	328200	29.773	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.694	178	59024	4.973	ng	99
75) Fluoranthene	19.679	202	195667	13.187	ng	98
78) Pyrene	20.044	202	204624	13.826	ng	100
81) Benzo(a)anthracene	21.918	228	120837	8.507	ng	95
83) Chrysene	21.983	228	121759m	9.087	ng	
87) Indeno(1,2,3-cd)pyrene	29.321	276	60797	3.628	ng	# 92
88) Benzo(b)fluoranthene	24.280	252	176685	13.105	ng	# 94
89) Benzo(k)fluoranthene	24.339	252	73187m	5.403	ng	
90) Benzo(a)pyrene	25.214	252	133268	11.559	ng	# 95
92) Benzo(g,h,i)perylene	30.567	276	57434m	4.229	ng	

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

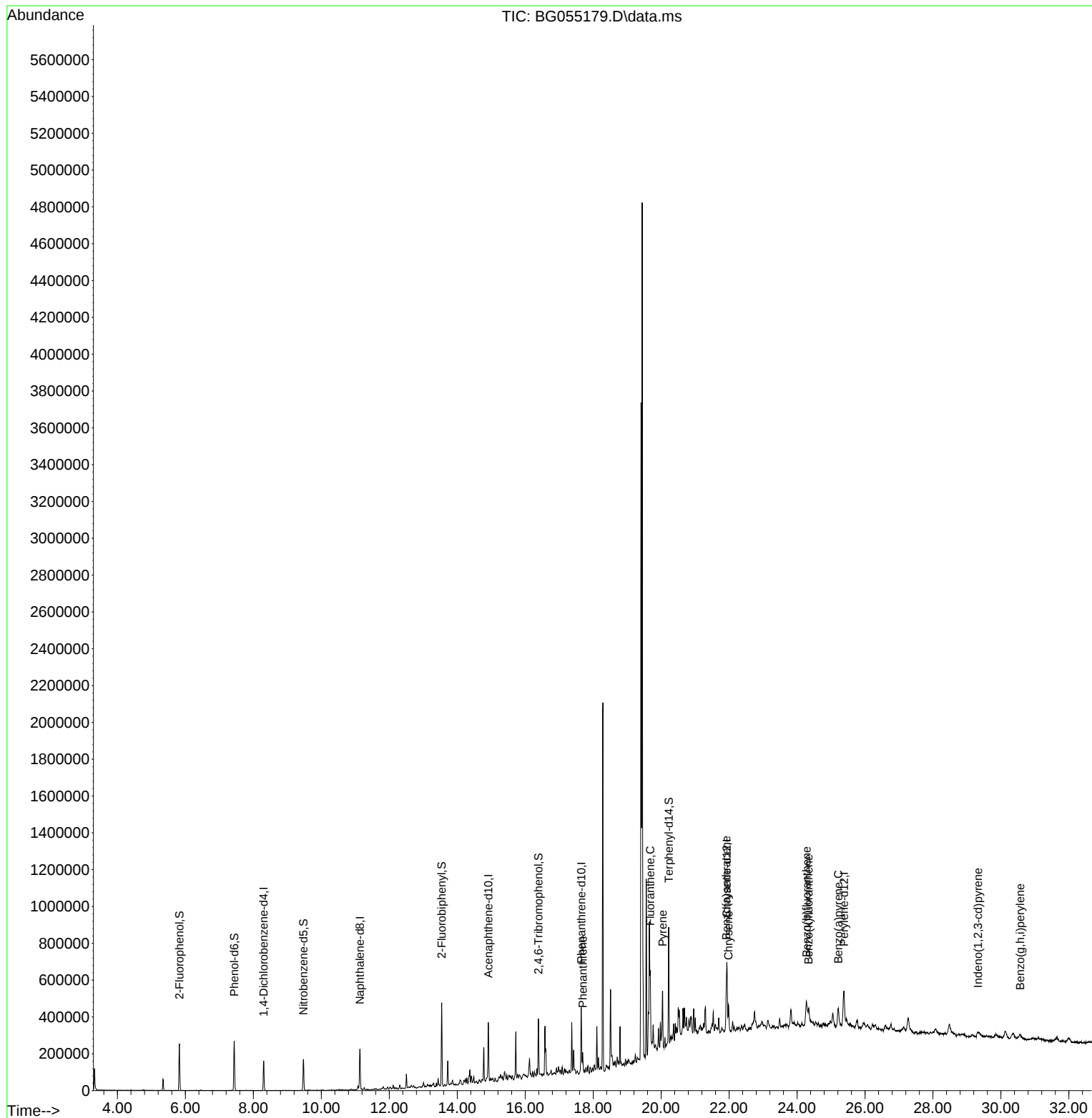
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055179.D
Acq On : 14 Oct 2022 15:33
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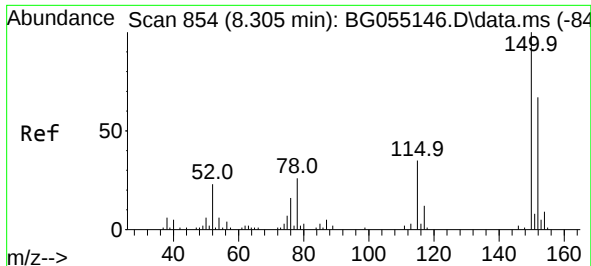
Instrument :
BNA_G
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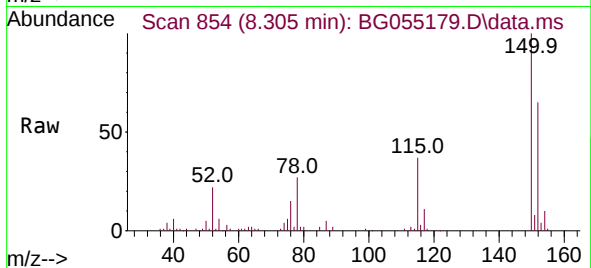
Reviewed By : Christian Giraldo 10/17/2022
Supervised By : mohammad ahmed 10/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.305 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

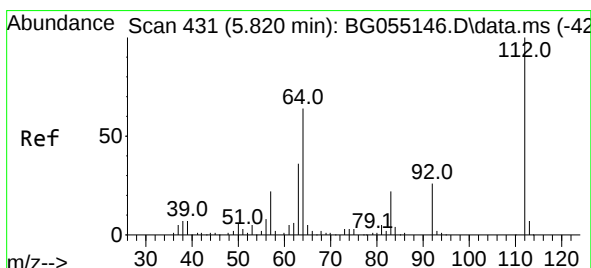
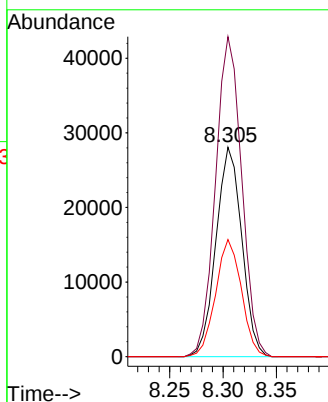
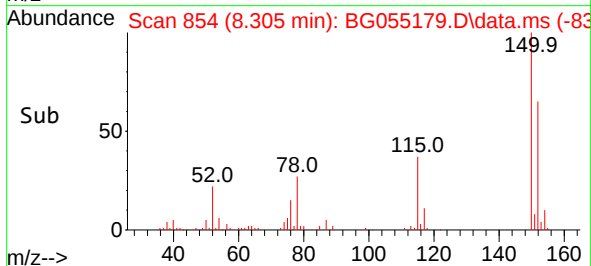
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



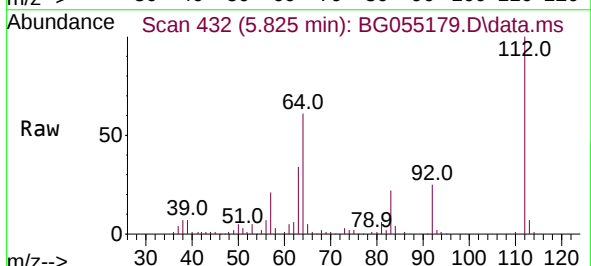
Tgt Ion:152 Resp: 47283
Ion Ratio Lower Upper
152 100
150 152.9 119.7 179.5
115 55.9 42.4 63.6

Manual Integrations
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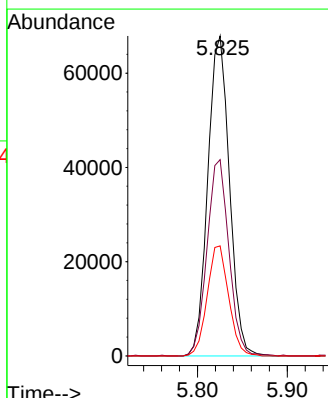
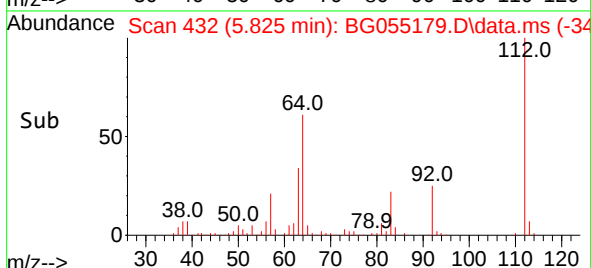
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

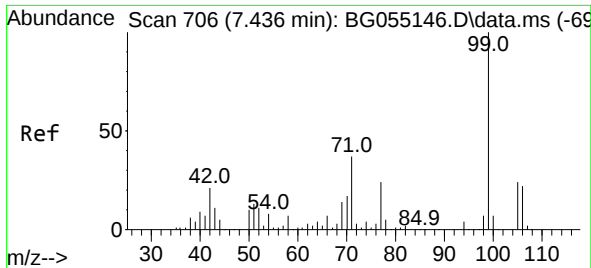


#5
2-Fluorophenol
Concen: 46.915 ng
RT: 5.825 min Scan# 432
Delta R.T. 0.005 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



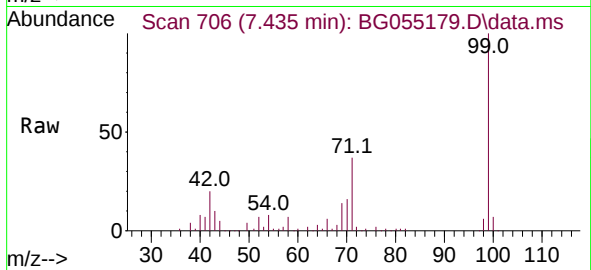
Tgt Ion:112 Resp: 113381
Ion Ratio Lower Upper
112 100
64 61.3 50.9 76.3
63 34.4 29.0 43.6





#7
Phenol-d6
Concen: 43.392 ng
RT: 7.435 min Scan# 706
Delta R.T. -0.001 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

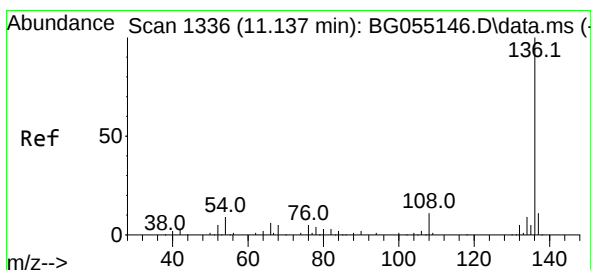
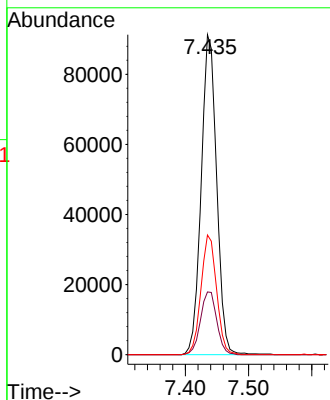
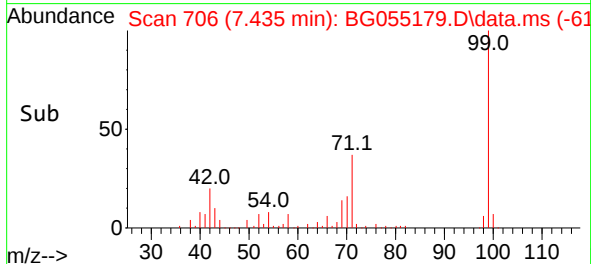
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



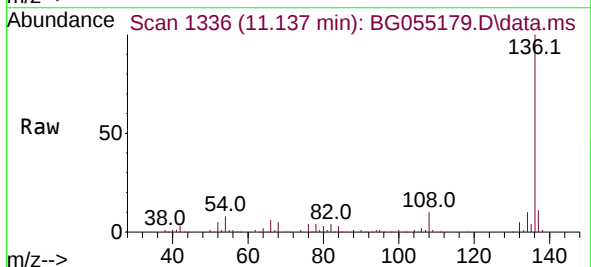
Tgt Ion: 99 Resp: 155127
Ion Ratio Lower Upper
99 100
42 19.6 16.6 25.0
71 37.4 29.6 44.4

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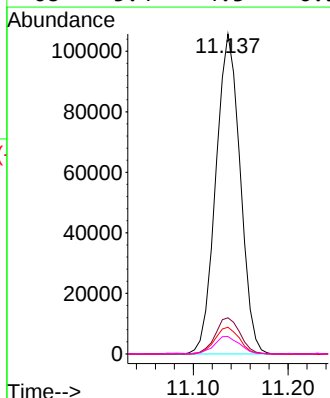
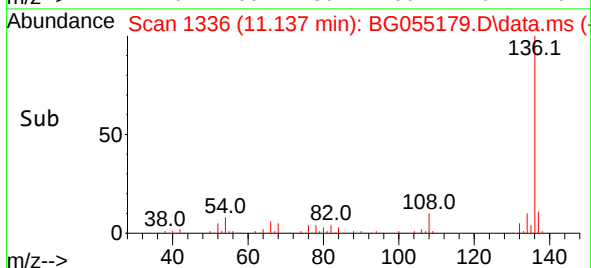
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

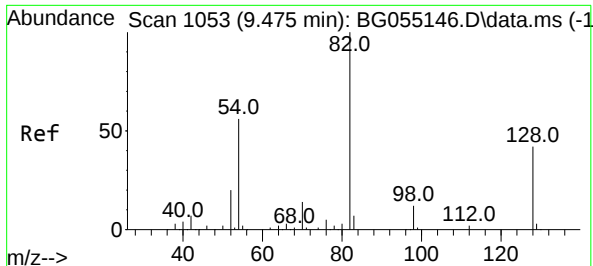


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



Tgt Ion:136 Resp: 188266
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.4 7.0 10.6
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 28.203 ng

RT: 9.474 min Scan# 1053

Delta R.T. -0.001 min

Lab File: BG055179.D

Acq: 14 Oct 2022 15:33

Instrument :

BNA_G

ClientSampleId :

PL-01-101122RE

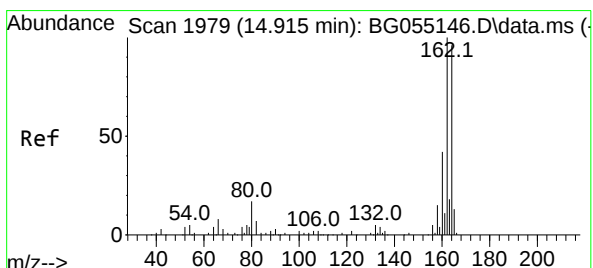
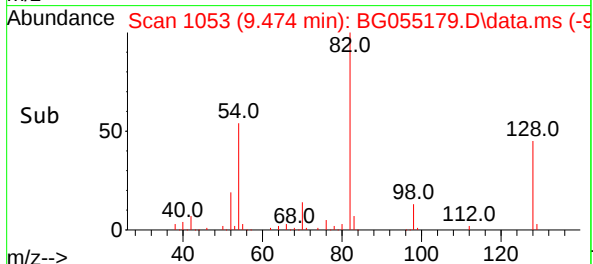
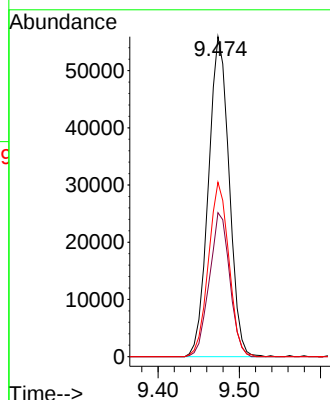
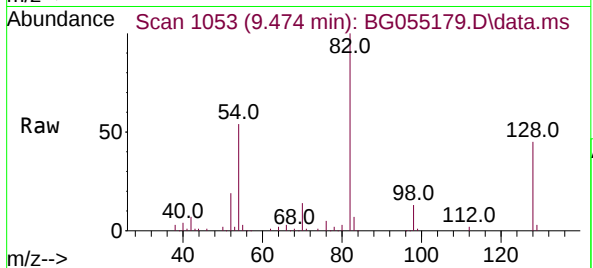
Tgt Ion: 82 Resp: 99014

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.5	50.3
54	54.5	44.7	67.1

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.914 min Scan# 1979

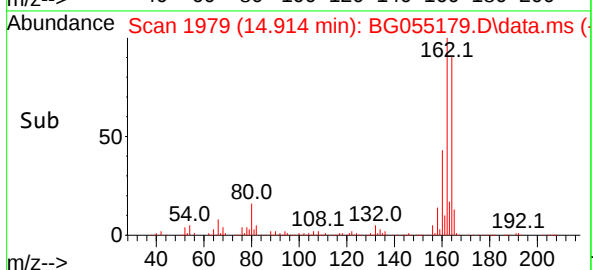
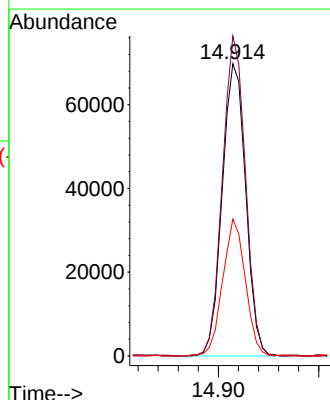
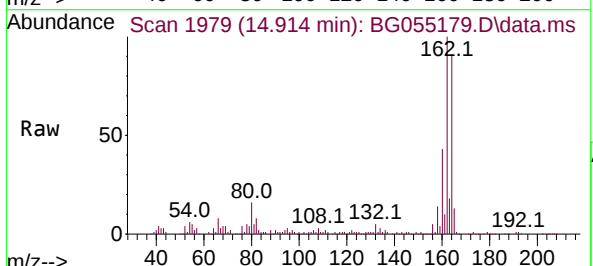
Delta R.T. -0.001 min

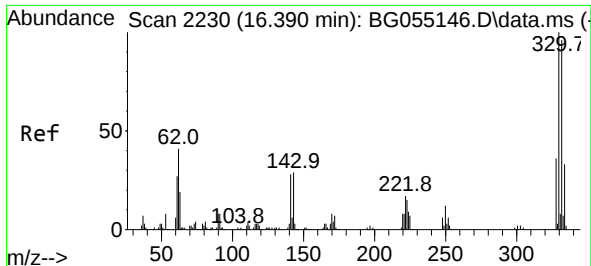
Lab File: BG055179.D

Acq: 14 Oct 2022 15:33

Tgt Ion:164 Resp: 113402

Ion	Ratio	Lower	Upper
164	100		
162	109.5	83.3	124.9
160	46.8	35.3	52.9





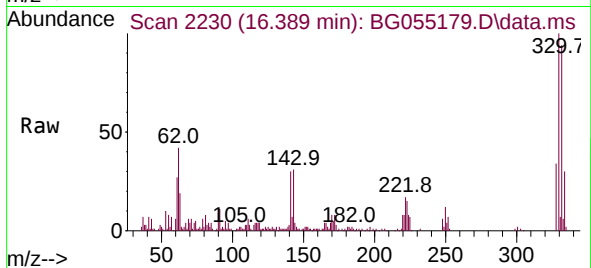
#42
2,4,6-Tribromophenol
Concen: 42.728 ng
RT: 16.389 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

Instrument :

BNA_G

ClientSampleId :

PL-01-101122RE

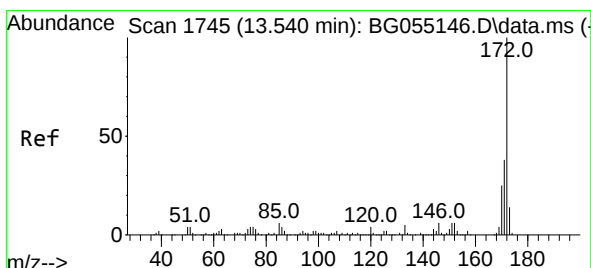
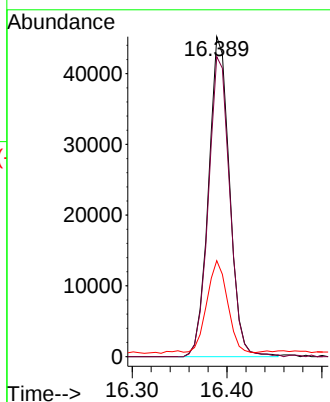
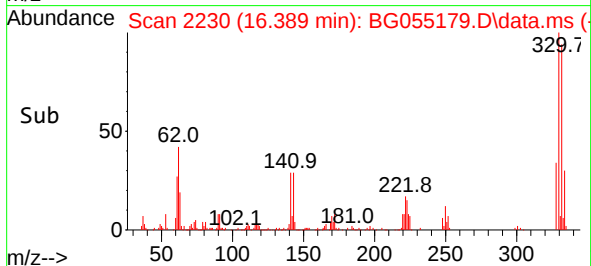


Tgt Ion:330 Resp: 69624
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 28.8 24.6 36.8

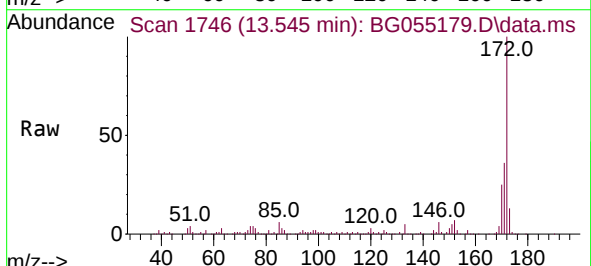
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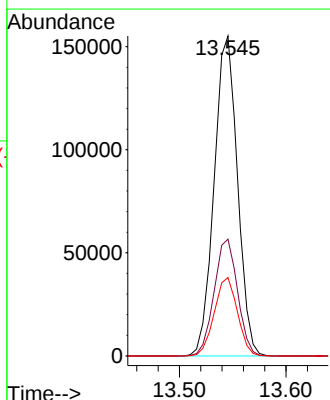
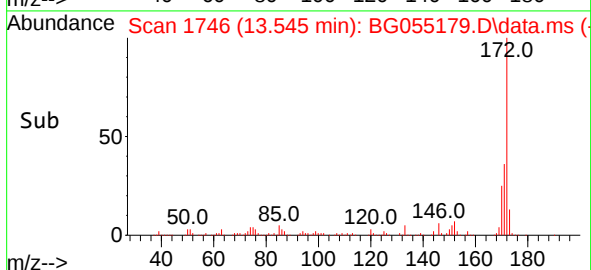
Reviewed By :Christian Giraldo 10/17/2022
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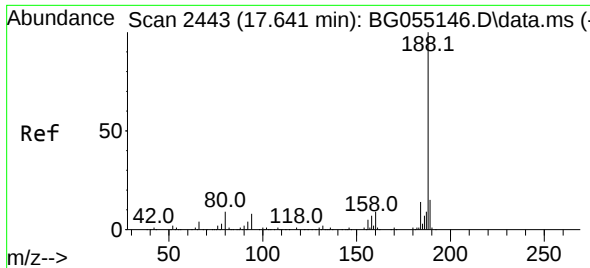


#45
2-Fluorobiphenyl
Concen: 33.963 ng
RT: 13.545 min Scan# 1746
Delta R.T. 0.005 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



Tgt Ion:172 Resp: 235776
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.5 19.8 29.6





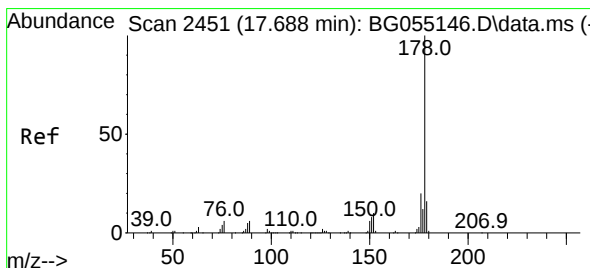
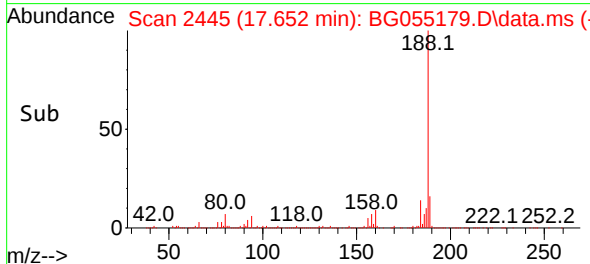
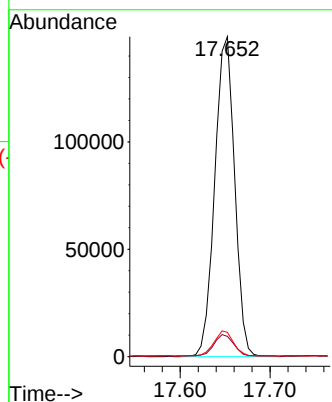
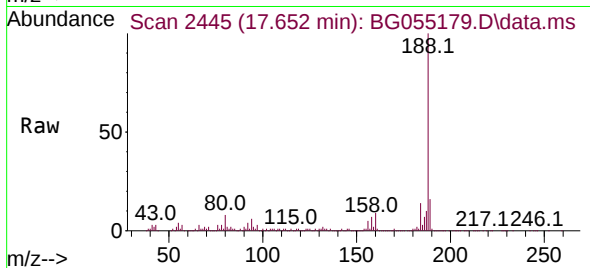
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.652 min Scan# 2445
Delta R.T. 0.011 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE

Tgt Ion:188 Resp: 228834
Ion Ratio Lower Upper
188 100
94 6.3 6.2 9.2
80 7.6 7.0 10.6

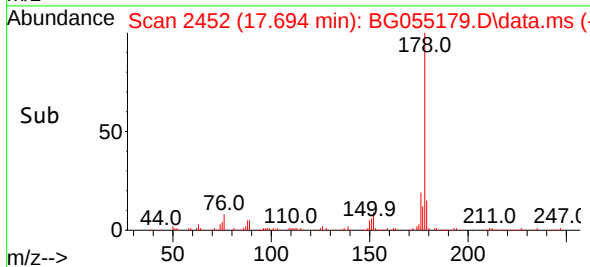
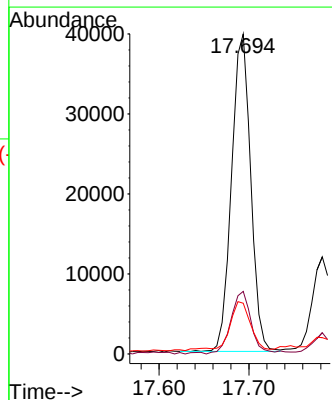
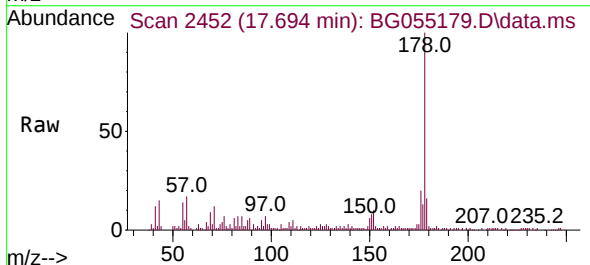
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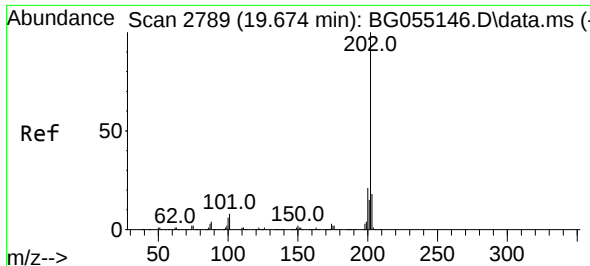
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#71
Phenanthrene
Concen: 4.973 ng
RT: 17.694 min Scan# 2452
Delta R.T. 0.005 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

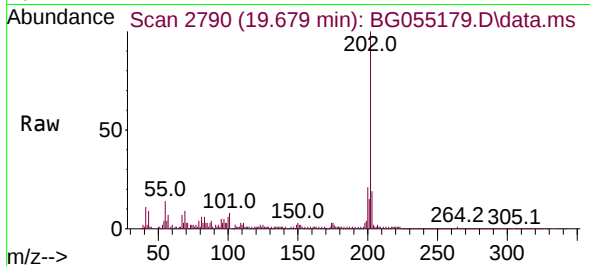
Tgt Ion:178 Resp: 59024
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.8 12.7 19.1





#75
Fluoranthene
Concen: 13.187 ng
RT: 19.679 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

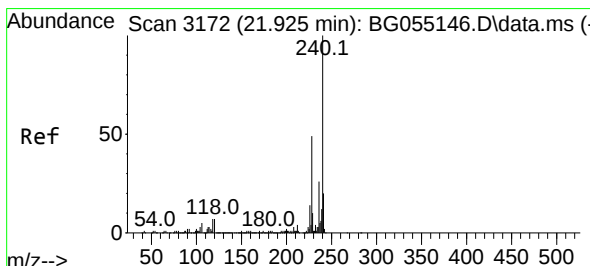
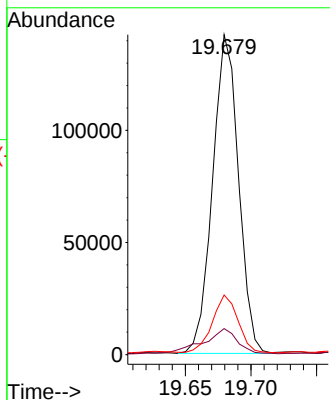
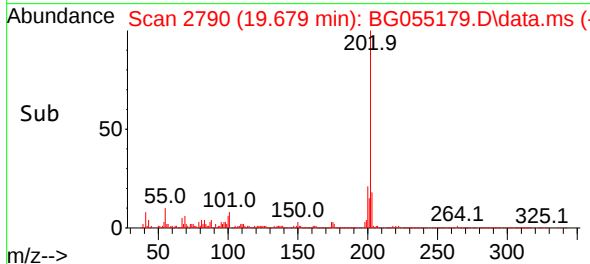
Instrument :
BNA_G
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PL-01-101122RE



Tgt Ion:202 Resp: 195662
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.4
203 18.6 0.0 37.8

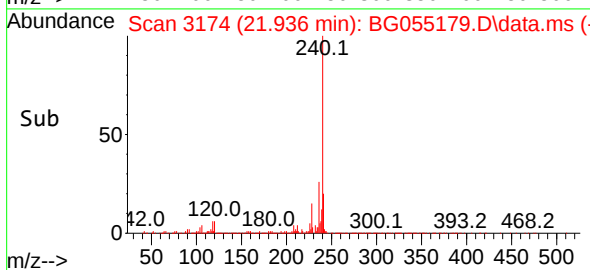
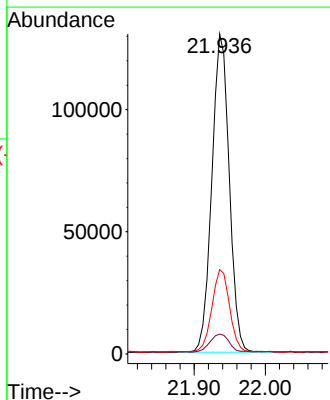
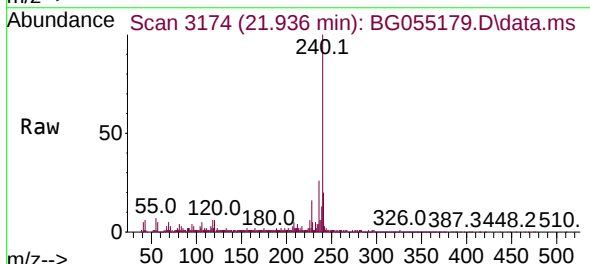
Manual Integrations
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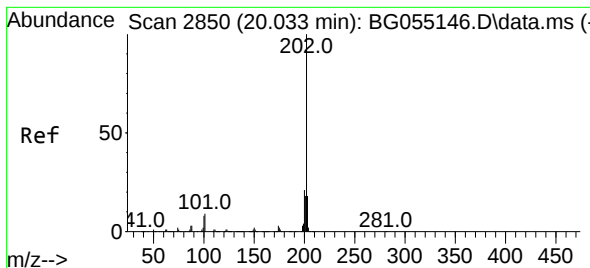
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3174
Delta R.T. 0.011 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

Tgt Ion:240 Resp: 222016
Ion Ratio Lower Upper
240 100
120 6.2 5.4 8.0
236 26.3 20.6 31.0





#78

Pyrene

Concen: 13.826 ng

RT: 20.044 min Scan# 2852

Delta R.T. 0.011 min

Lab File: BG055179.D

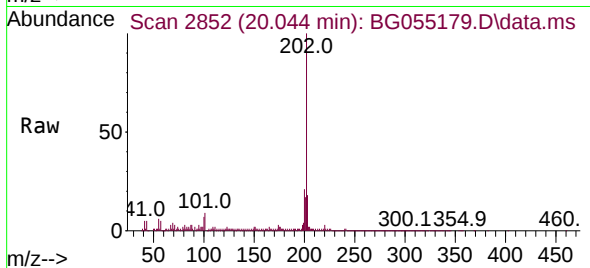
Acq: 14 Oct 2022 15:33

Instrument :

BNA_G

ClientSampleId :

PL-01-101122RE

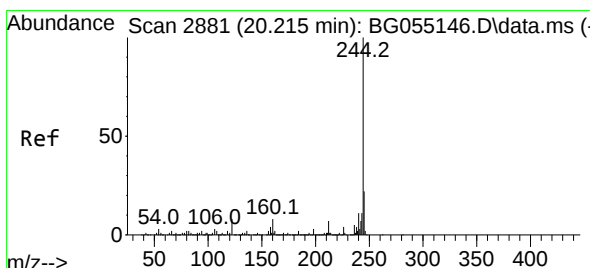
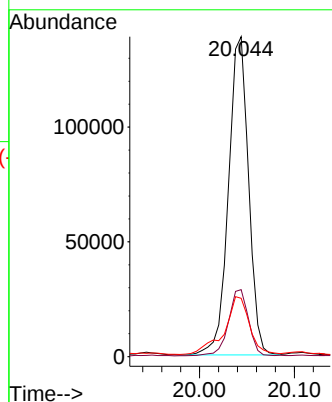
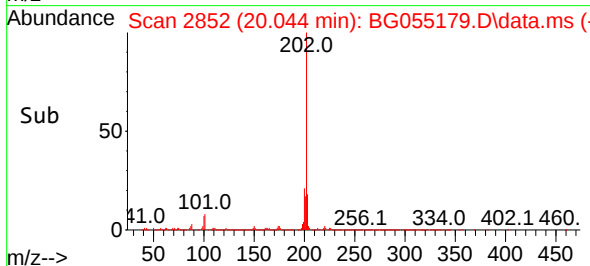


Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	18.2	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 29.773 ng

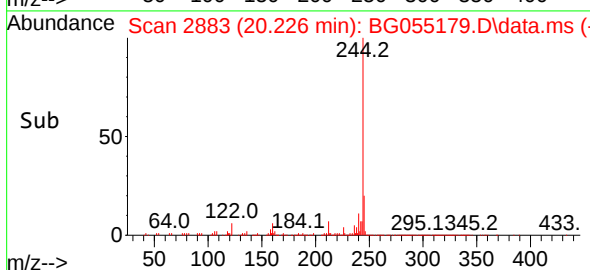
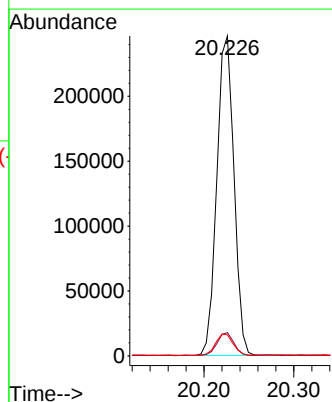
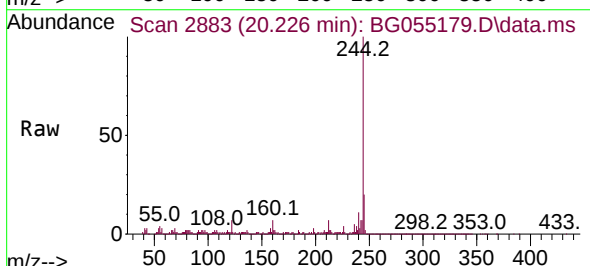
RT: 20.226 min Scan# 2883

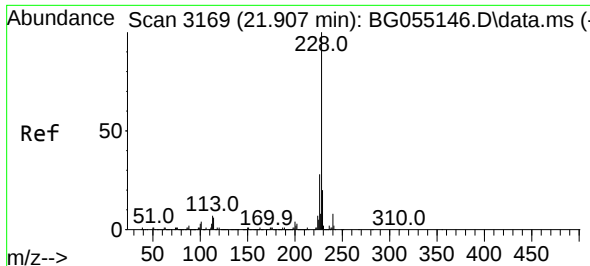
Delta R.T. 0.011 min

Lab File: BG055179.D

Acq: 14 Oct 2022 15:33

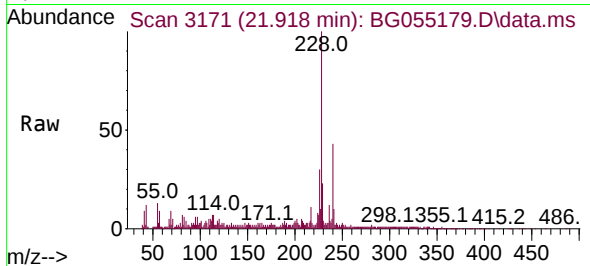
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	6.6	6.6	10.0





#81
Benzo(a)anthracene
Concen: 8.507 ng
RT: 21.918 min Scan# 3169
Delta R.T. 0.011 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

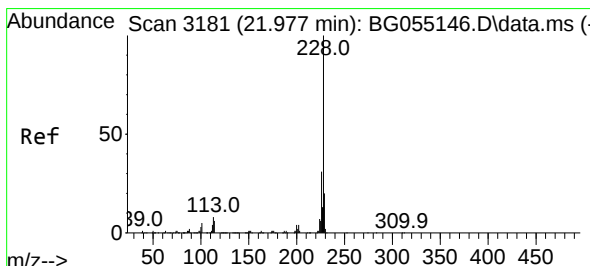
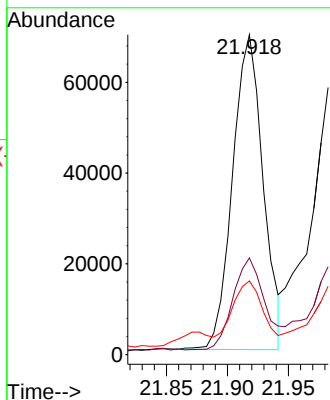
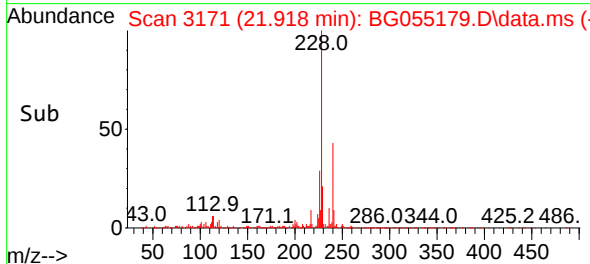
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



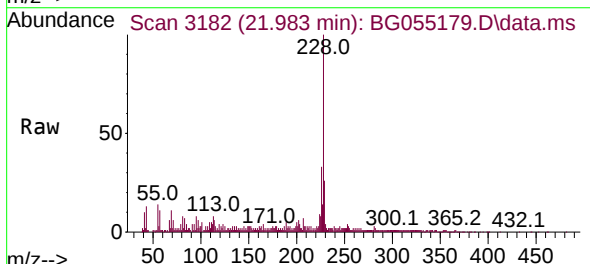
Tgt Ion:228 Resp: 120837
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 23.0 16.2 24.4

Manual Integrations
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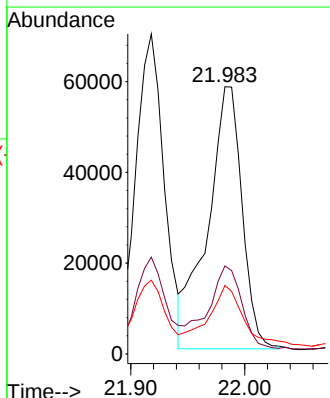
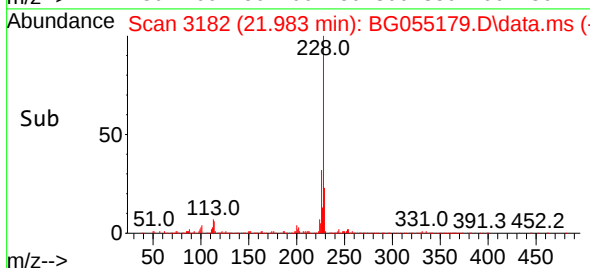
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

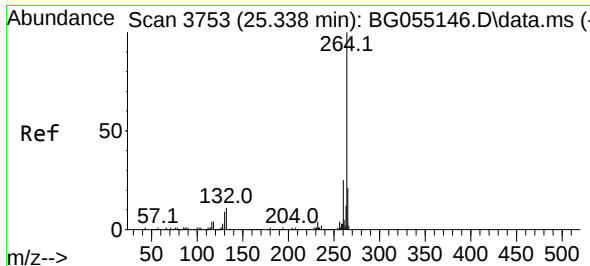


#83
Chrysene
Concen: 9.087 ng m
RT: 21.983 min Scan# 3182
Delta R.T. 0.005 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



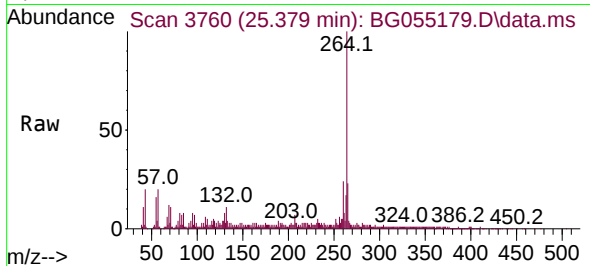
Tgt Ion:228 Resp: 121759
Ion Ratio Lower Upper
228 100
226 32.9 25.1 37.7
229 25.6 16.2 24.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.379 min Scan# 31
Delta R.T. 0.040 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

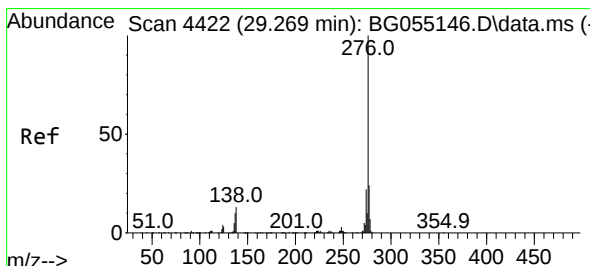
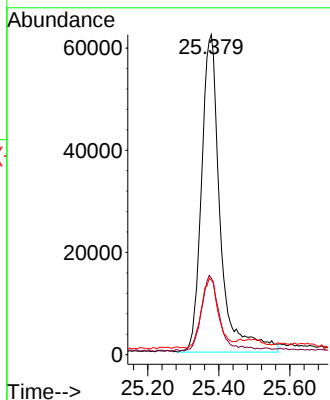
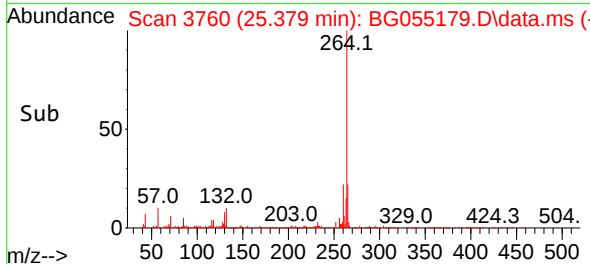
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



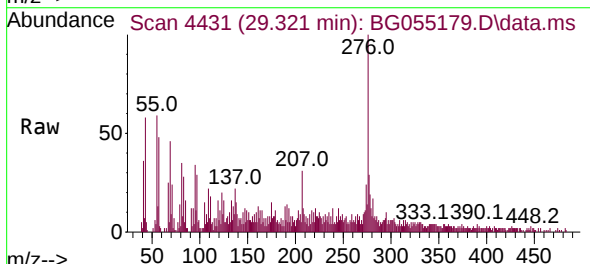
Tgt Ion:264 Resp: 22620
Ion Ratio Lower Upper
264 100
260 23.9 20.1 30.1
265 23.3 16.8 25.2

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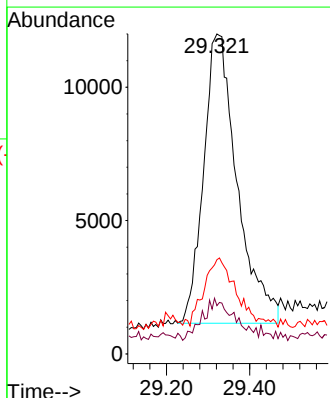
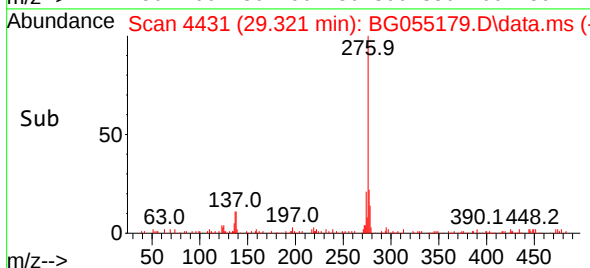
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

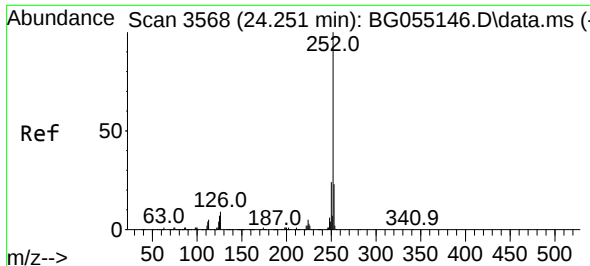


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.628 ng
RT: 29.321 min Scan# 4431
Delta R.T. 0.052 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



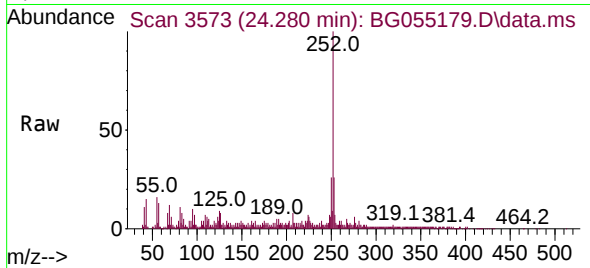
Tgt Ion:276 Resp: 60797
Ion Ratio Lower Upper
276 100
138 12.7 13.4 20.0#
277 21.8 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 13.105 ng
RT: 24.280 min Scan# 3568
Delta R.T. 0.029 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

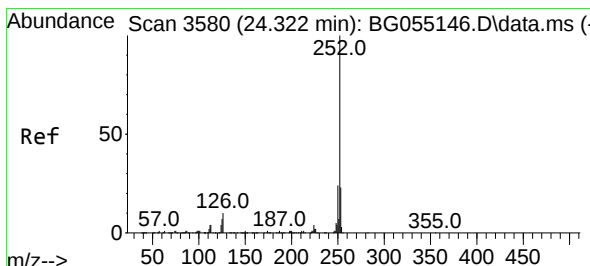
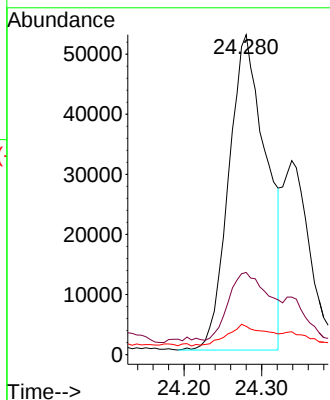
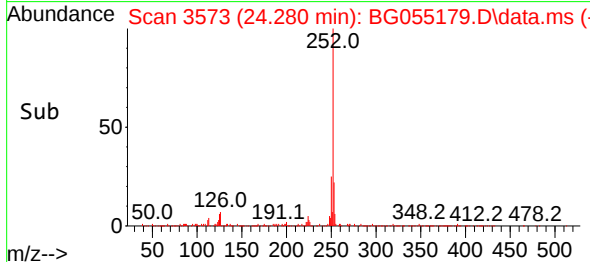
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



Tgt Ion:252 Resp: 176685
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 8.8 5.7 8.5

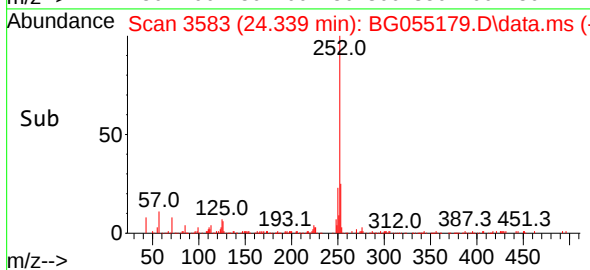
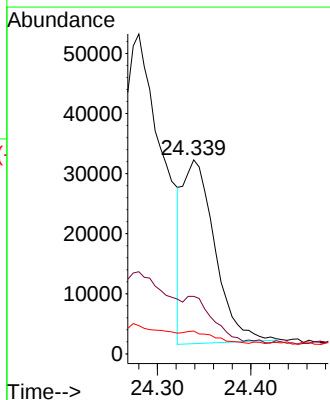
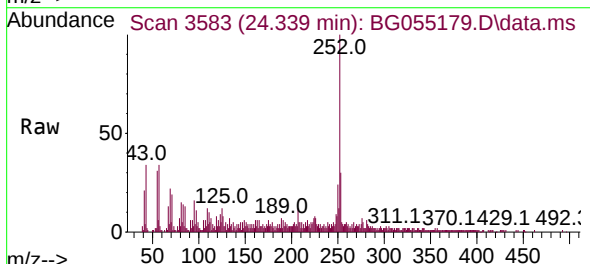
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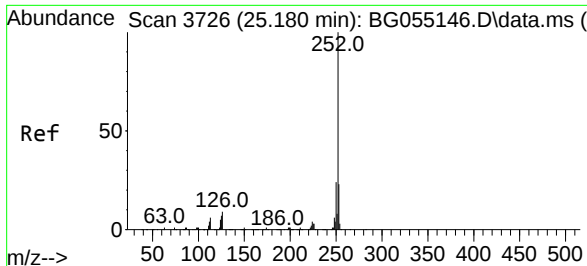
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#89
Benzo(k)fluoranthene
Concen: 5.403 ng m
RT: 24.339 min Scan# 3583
Delta R.T. 0.017 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

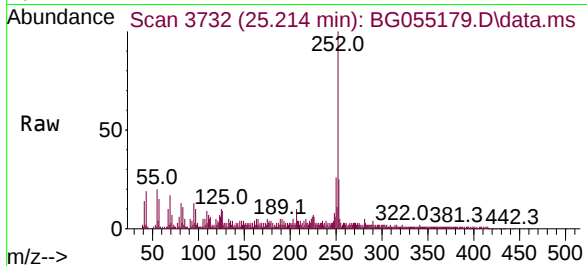
Tgt Ion:252 Resp: 73187
Ion Ratio Lower Upper
252 100
253 29.7 18.0 27.0#
125 11.8 5.8 8.6#





#90
Benzo(a)pyrene
Concen: 11.559 ng
RT: 25.214 min Scan# 3726
Delta R.T. 0.035 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33

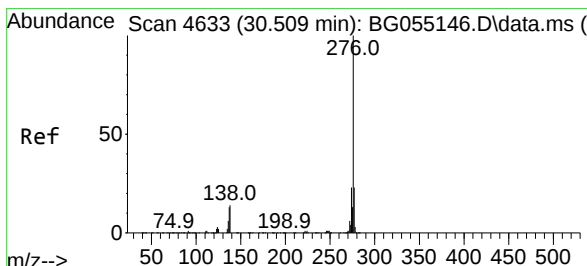
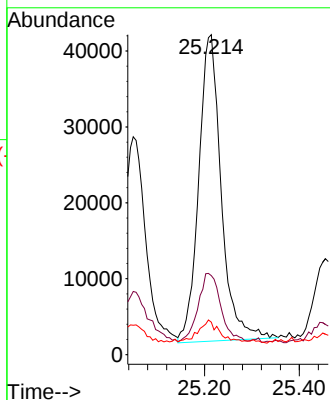
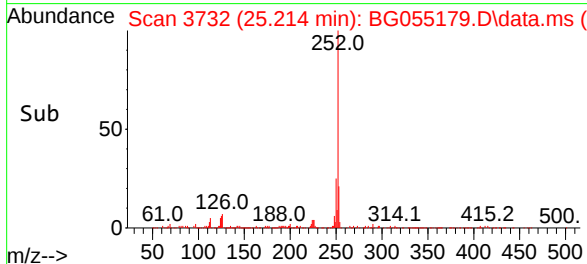
Instrument :
BNA_G
ClientSampleId :
PL-01-101122RE



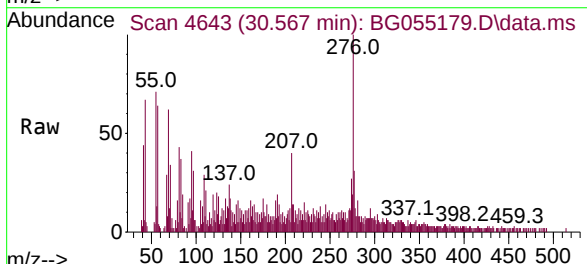
Tgt Ion:252 Resp: 133268
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 10.1 5.8 8.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#92
Benzo(g,h,i)perylene
Concen: 4.229 ng m
RT: 30.567 min Scan# 4643
Delta R.T. 0.058 min
Lab File: BG055179.D
Acq: 14 Oct 2022 15:33



Tgt Ion:276 Resp: 57434
Ion Ratio Lower Upper
276 100
277 30.8 18.4 27.6#
138 16.5 11.2 16.8

