

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
 Data File : BG055172.D
 Acq On : 13 Oct 2022 20:48
 Operator : CG/JU
 Sample : N5104-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-101122

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 01:29:19 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	8.312	152	49065	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	192897	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	116971	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	237470	20.000	ng	0.00
76) Chrysene-d12	21.937	240	231914	20.000	ng	0.01
86) Perylene-d12	25.368	264	187084	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	119140	47.507	ng	0.00
7) Phenol-d6	7.442	99	156530	42.194	ng	0.00
23) Nitrobenzene-d5	9.475	82	100765	28.012	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	70898	42.183	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	239474	33.444	ng	0.00
79) Terphenyl-d14	20.222	244	344124	29.885	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.689	178	62370	5.064	ng	97
75) Fluoranthene	19.681	202	204934	13.310	ng	99
78) Pyrene	20.039	202	217771	14.086	ng	99
81) Benzo(a)anthracene	21.914	228	125848	8.481	ng	93
83) Chrysene	21.984	228	128484m	9.179	ng	
87) Indeno(1,2,3-cd)pyrene	29.317	276	43425m	3.134	ng	
88) Benzo(b)fluoranthene	24.270	252	142810	12.807	ng	# 89
89) Benzo(k)fluoranthene	24.340	252	79142m	7.064	ng	
90) Benzo(a)pyrene	25.204	252	105954	11.112	ng	# 90
92) Benzo(g,h,i)perylene	30.562	276	40642m	3.618	ng	

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

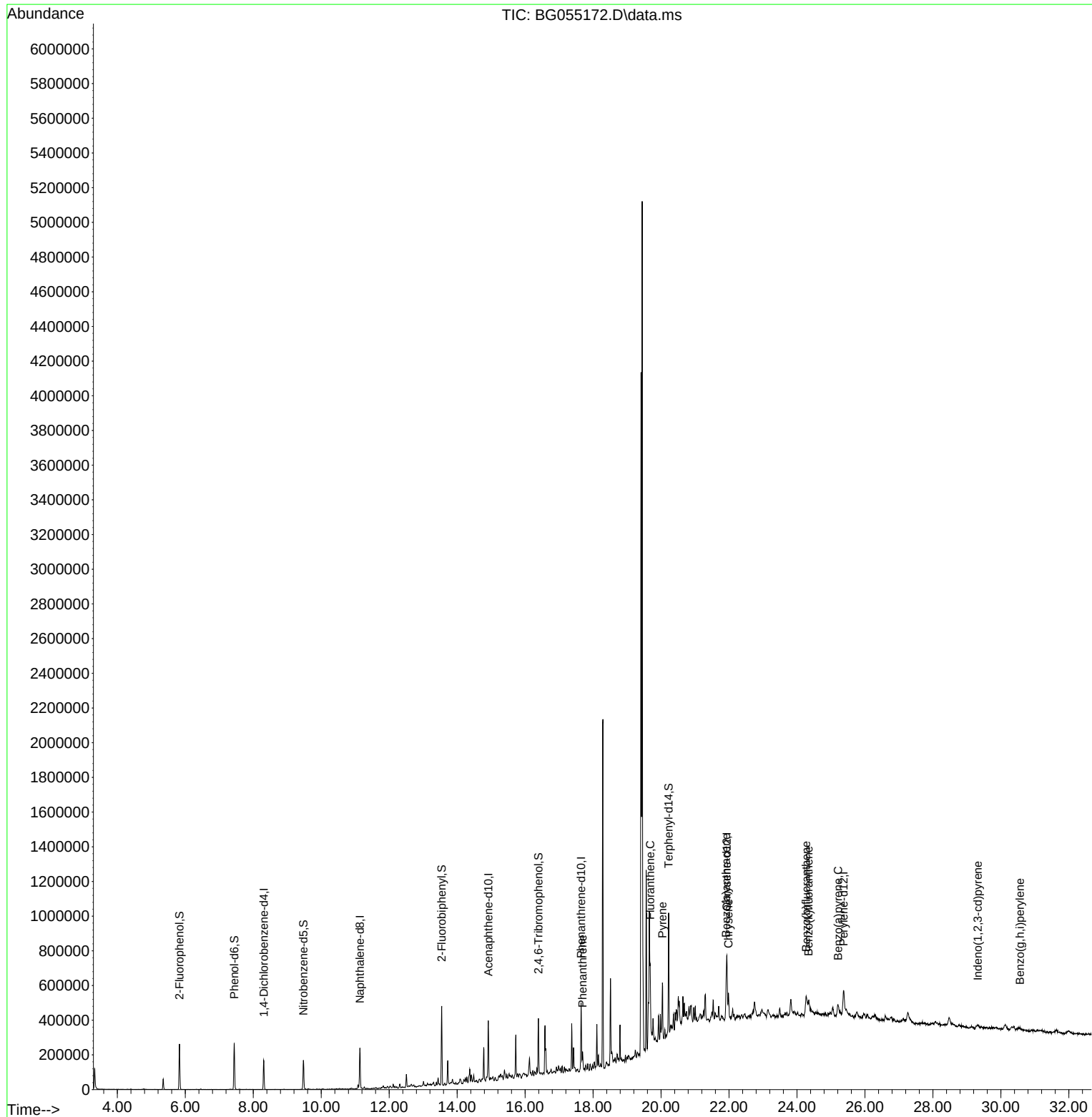
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055172.D
Acq On : 13 Oct 2022 20:48
Operator : CG/JU
Sample : N5104-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

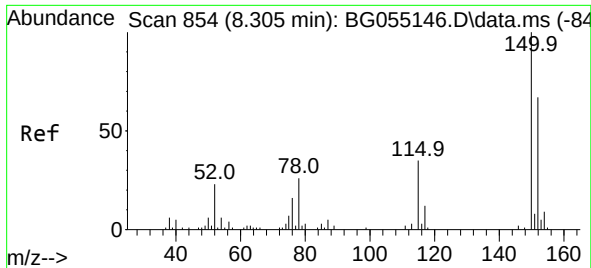
Instrument :
BNA_G
ClientSampleId :
PL-01-101122

Quant Time: Oct 14 01:29:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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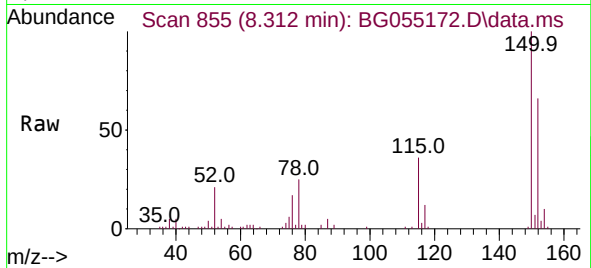
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.312 min Scan# 854
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

PL-01-101122

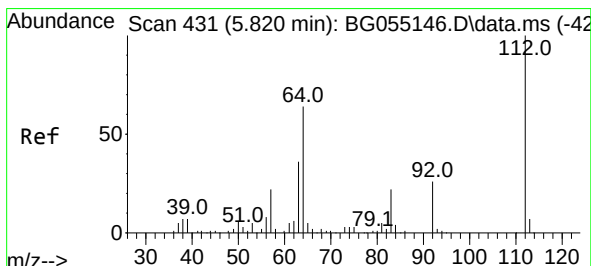
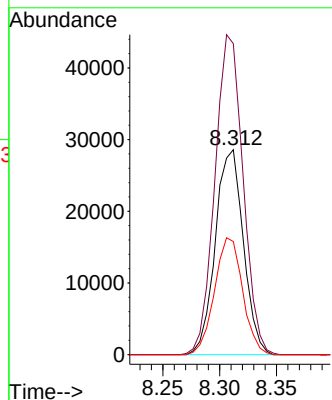
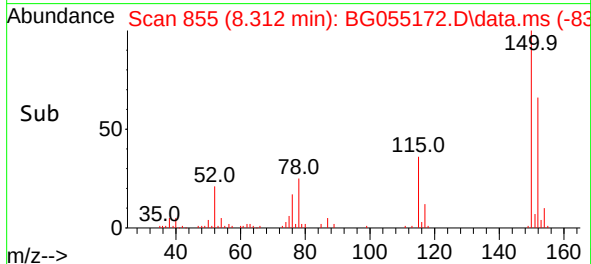


Tgt Ion:152 Resp: 49065
Ion Ratio Lower Upper
152 100
150 151.8 119.7 179.5
115 55.2 42.4 63.6

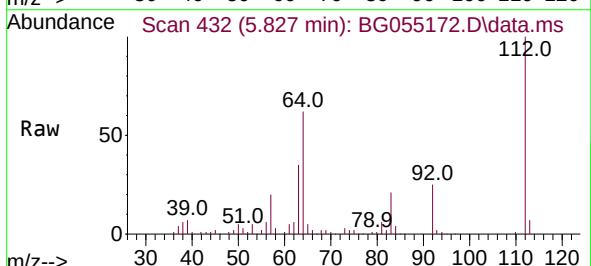
Manual Integrations

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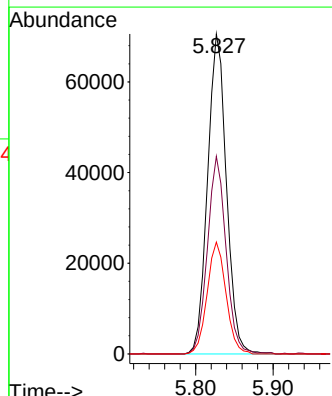
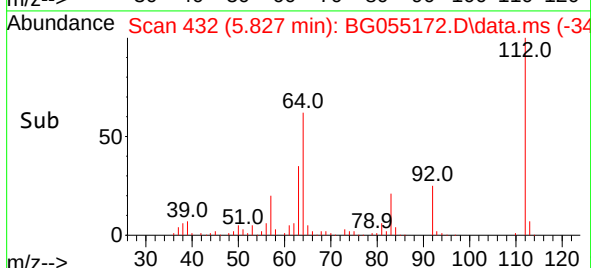
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

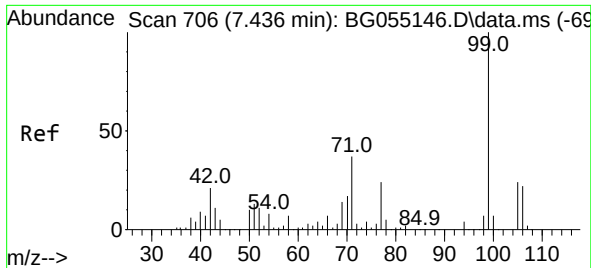


#5
2-Fluorophenol
Concen: 47.507 ng
RT: 5.827 min Scan# 432
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



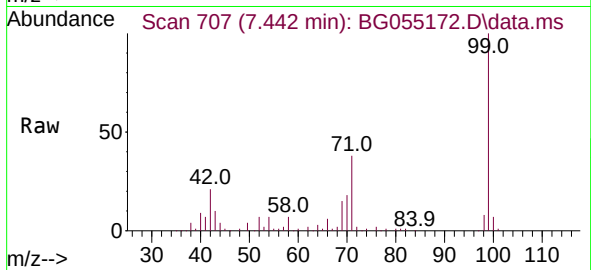
Tgt Ion:112 Resp: 119140
Ion Ratio Lower Upper
112 100
64 61.7 50.9 76.3
63 34.9 29.0 43.6





#7
Phenol-d6
Concen: 42.194 ng
RT: 7.442 min Scan# 706
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

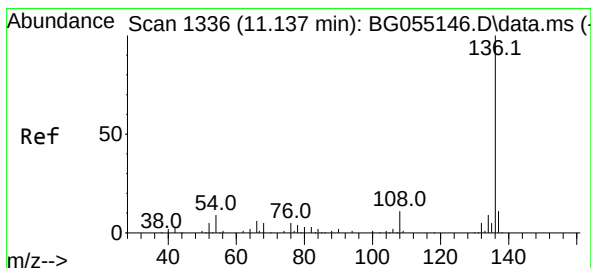
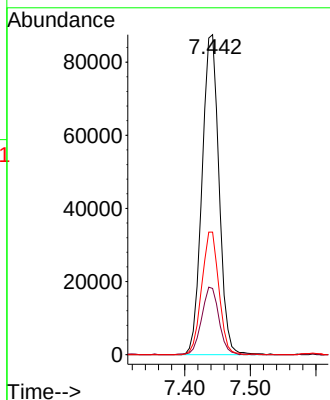
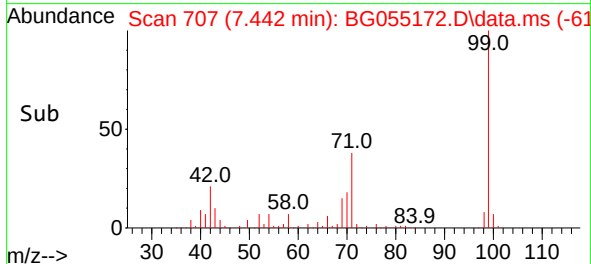
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



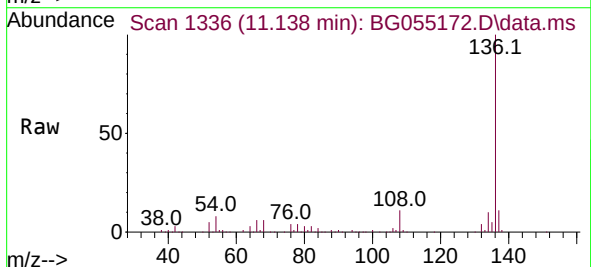
Tgt Ion: 99 Resp: 156530
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 38.3 29.6 44.4

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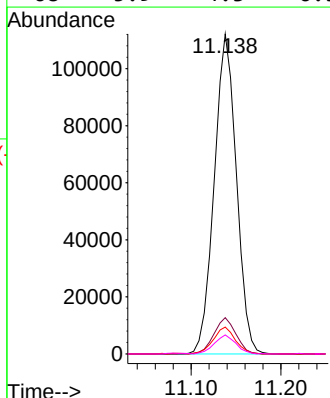
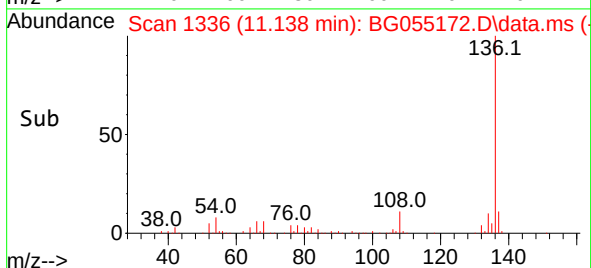
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

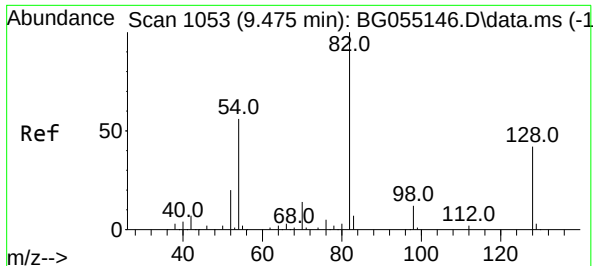


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 1336
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



Tgt Ion:136 Resp: 192897
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.4 7.0 10.6
68 5.9 4.3 6.5





#23

Nitrobenzene-d5

Concen: 28.012 ng

RT: 9.475 min Scan# 1053

Delta R.T. 0.001 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

PL-01-101122

Tgt Ion: 82 Resp: 100765

Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

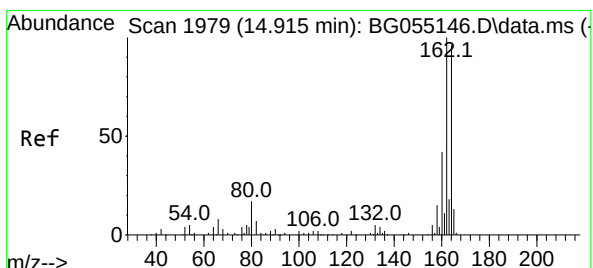
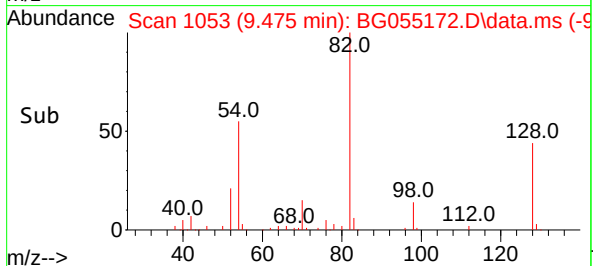
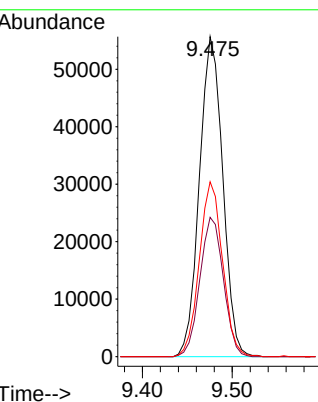
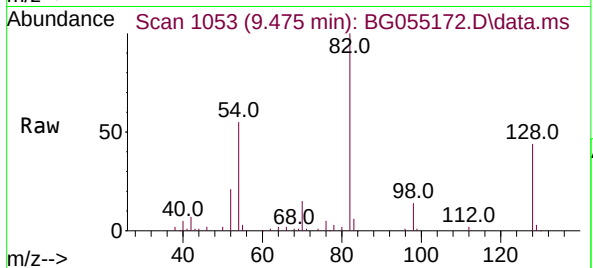
54 54.6 44.7 67.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.916 min Scan# 1979

Delta R.T. 0.001 min

Lab File: BG055172.D

Acq: 13 Oct 2022 20:48

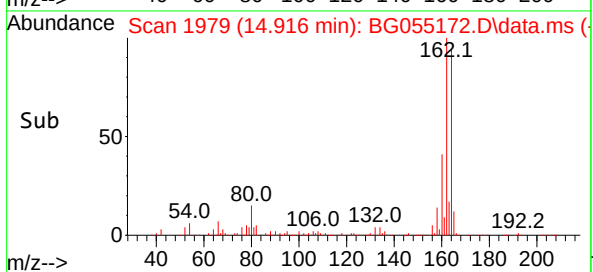
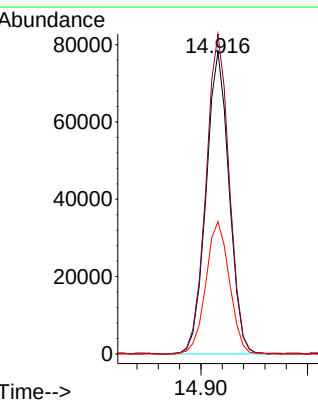
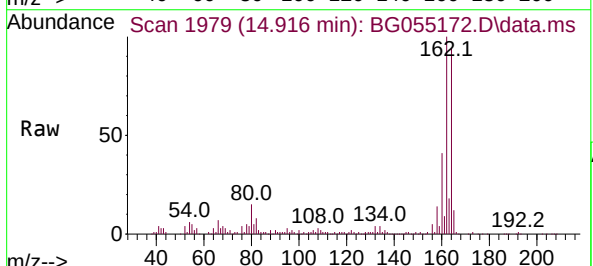
Tgt Ion:164 Resp: 116971

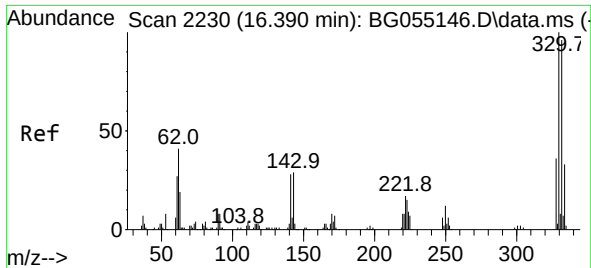
Ion Ratio Lower Upper

164 100

162 106.0 83.3 124.9

160 43.8 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 42.183 ng
RT: 16.391 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

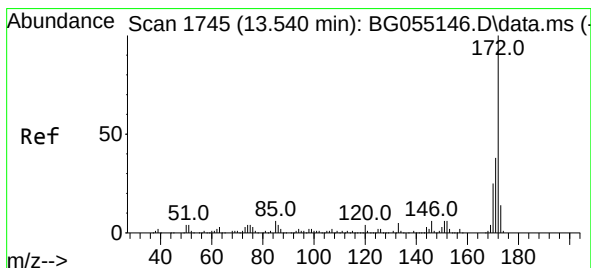
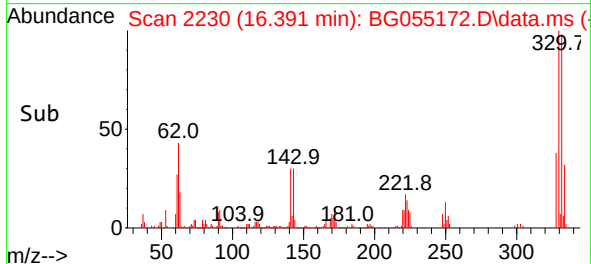
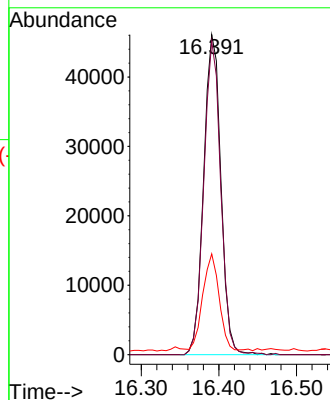
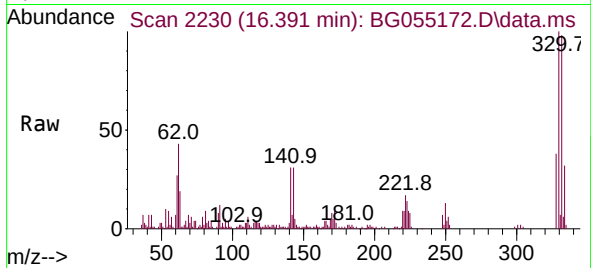
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Tgt Ion:330 Resp: 70898
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 28.8 24.6 36.8

Manual Integrations

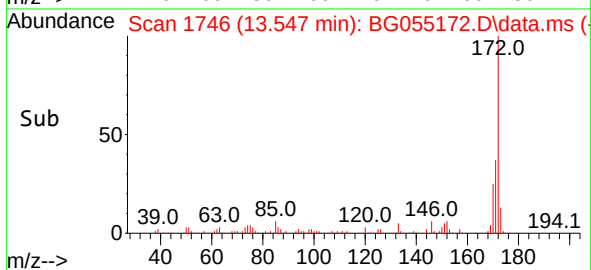
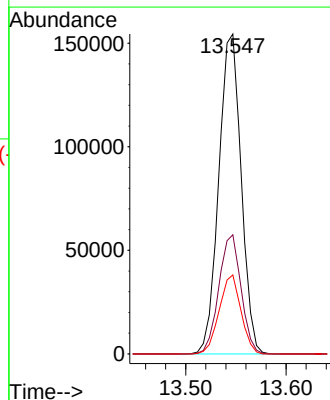
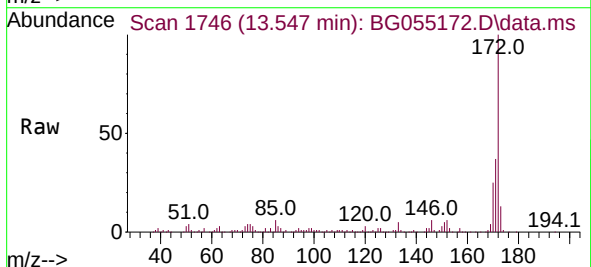
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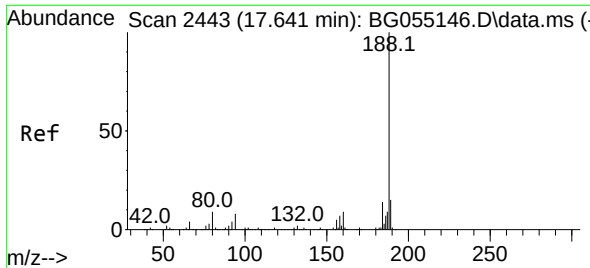
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#45
2-Fluorobiphenyl
Concen: 33.444 ng
RT: 13.547 min Scan# 1746
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

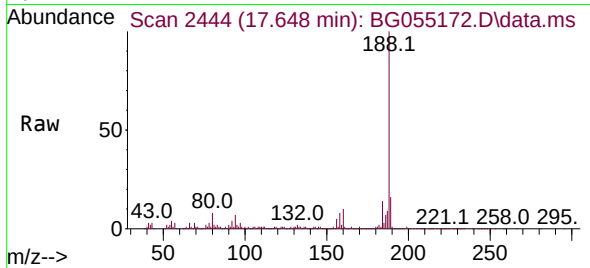
Tgt Ion:172 Resp: 239474
Ion Ratio Lower Upper
172 100
171 37.3 30.1 45.1
170 24.7 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2444
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

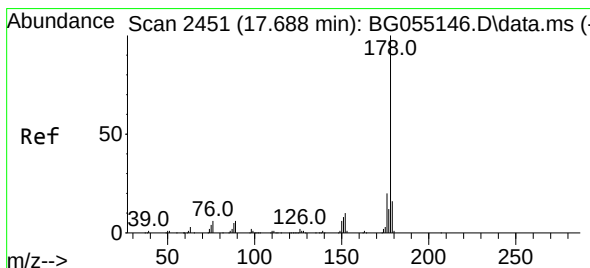
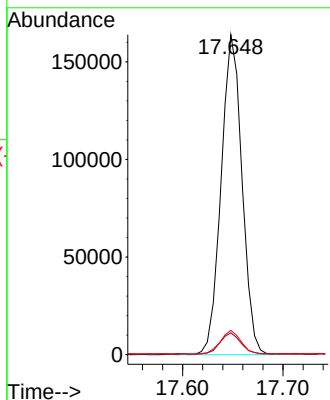
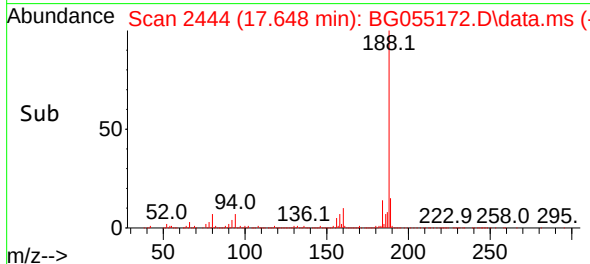
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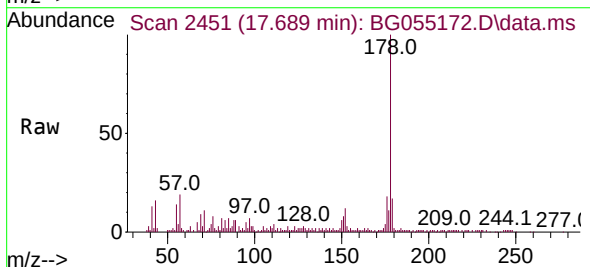
Tgt Ion:188 Resp: 237470
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.2
80 7.6 7.0 10.6

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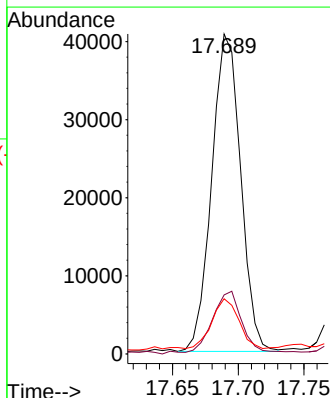
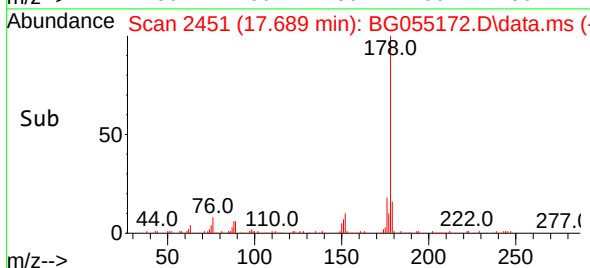
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

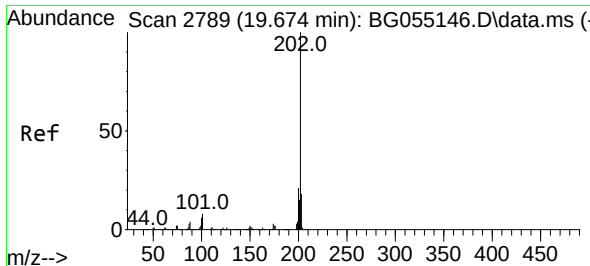


#71
Phenanthrene
Concen: 5.064 ng
RT: 17.689 min Scan# 2451
Delta R.T. 0.001 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



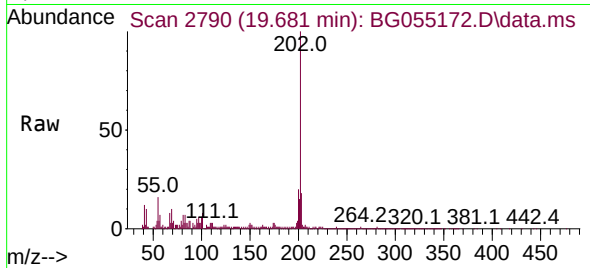
Tgt Ion:178 Resp: 62370
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 17.2 12.7 19.1





#75
Fluoranthene
Concen: 13.310 ng
RT: 19.681 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

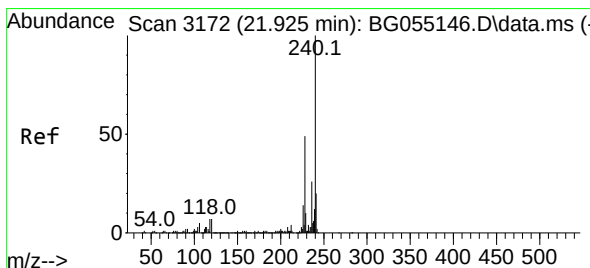
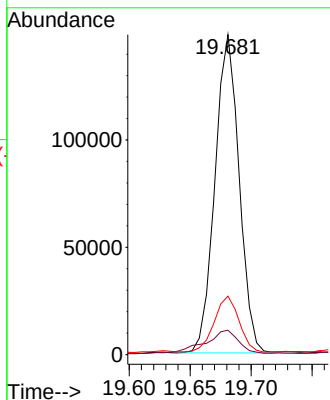
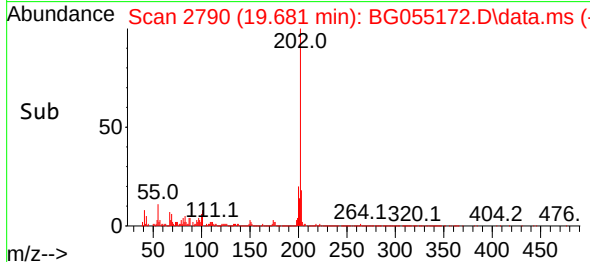
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



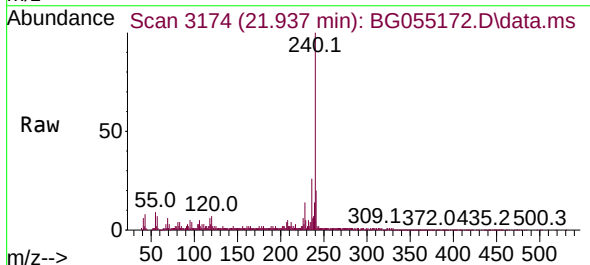
Tgt Ion:202 Resp: 204934
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.4
203 18.3 0.0 37.8

Manual Integrations
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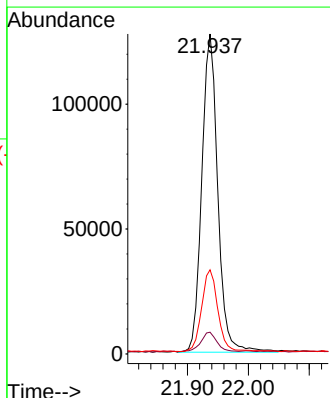
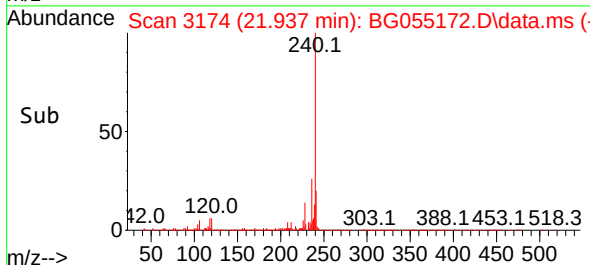
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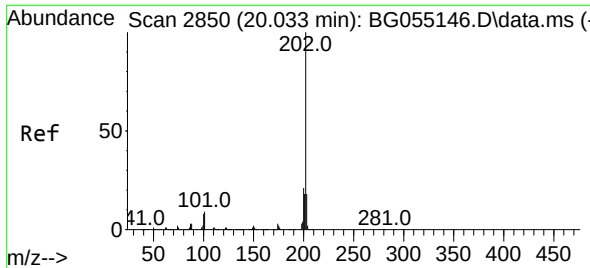


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.937 min Scan# 3174
Delta R.T. 0.013 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



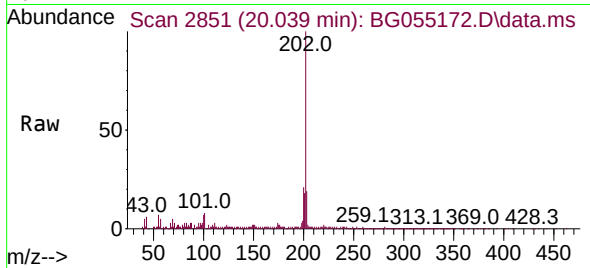
Tgt Ion:240 Resp: 231914
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 26.3 20.6 31.0





#78
Pyrene
Concen: 14.086 ng
RT: 20.039 min Scan# 2851
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

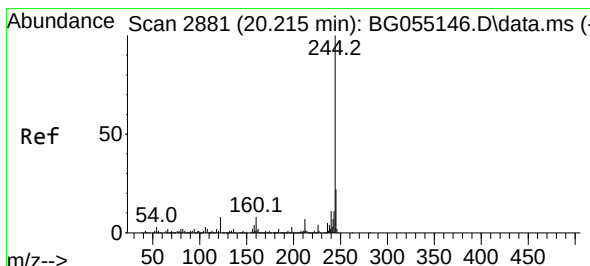
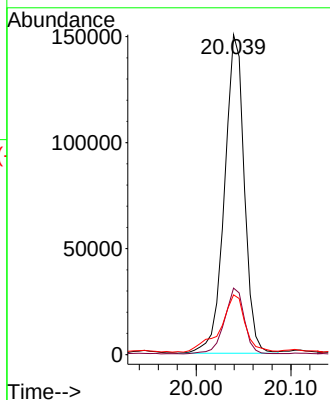
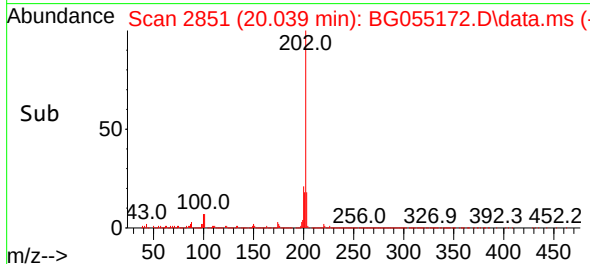
Instrument :
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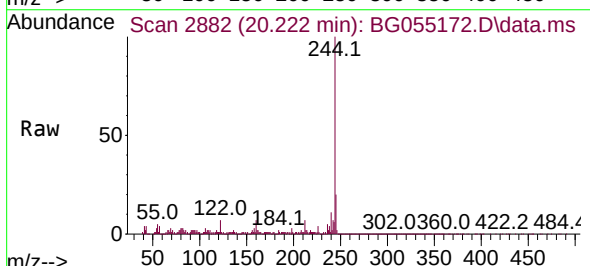
Tgt Ion:202 Resp: 21777
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.7 14.4 21.6

Manual Integrations
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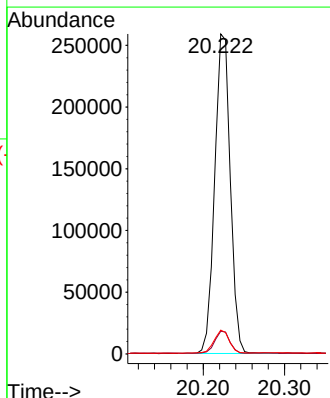
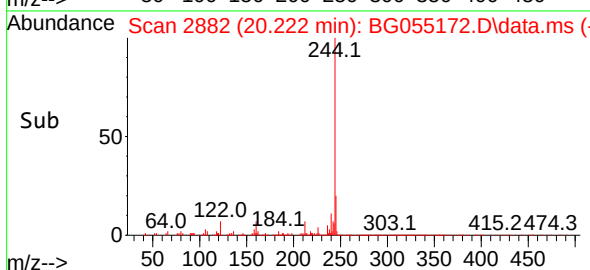
Reviewed By :Christian Giraldo 10/14/2022
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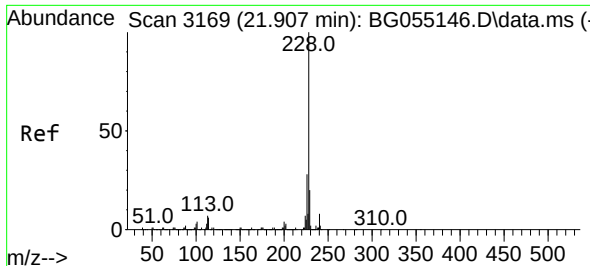


#79
Terphenyl-d14
Concen: 29.885 ng
RT: 20.222 min Scan# 2882
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



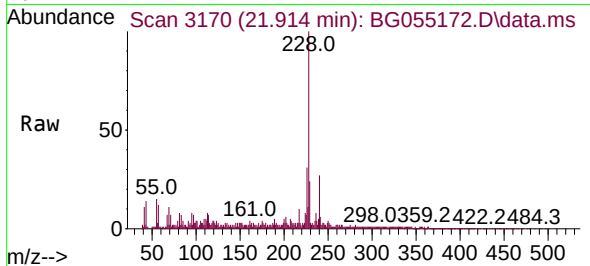
Tgt Ion:244 Resp: 344124
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 7.5 6.6 10.0





#81
Benzo(a)anthracene
Concen: 8.481 ng
RT: 21.914 min Scan# 3169
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

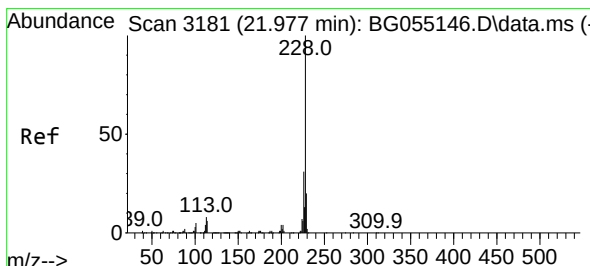
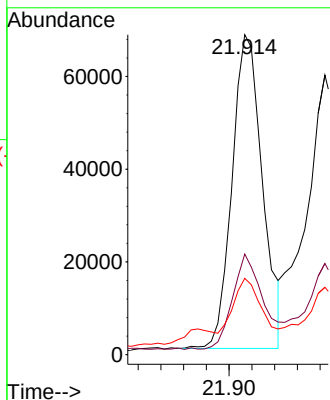
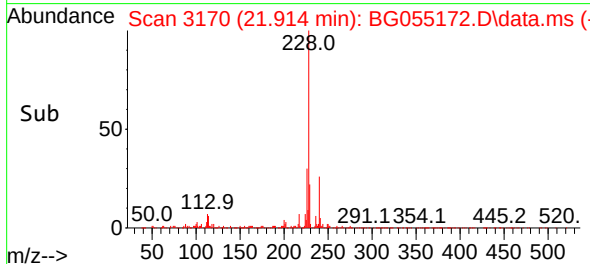
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



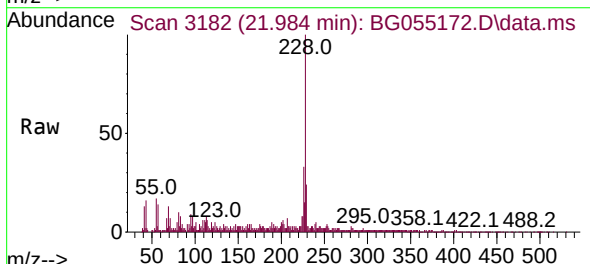
Tgt Ion:228 Resp: 125848
Ion Ratio Lower Upper
228 100
226 31.4 22.6 34.0
229 23.8 16.2 24.4

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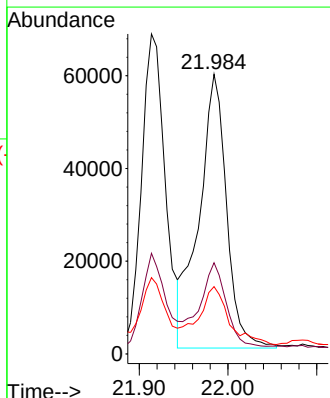
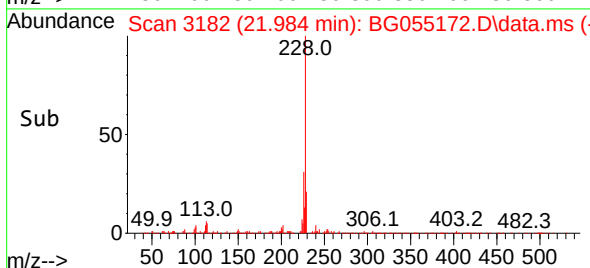
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

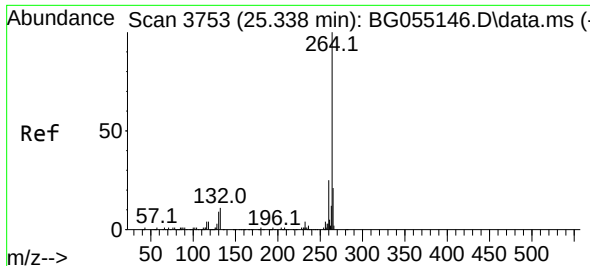


#83
Chrysene
Concen: 9.179 ng m
RT: 21.984 min Scan# 3182
Delta R.T. 0.007 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



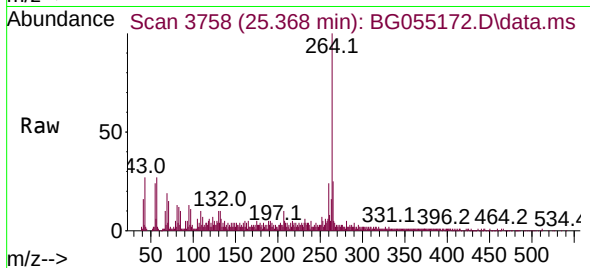
Tgt Ion:228 Resp: 128484
Ion Ratio Lower Upper
228 100
226 32.6 25.1 37.7
229 24.1 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.368 min Scan# 31
Delta R.T. 0.030 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

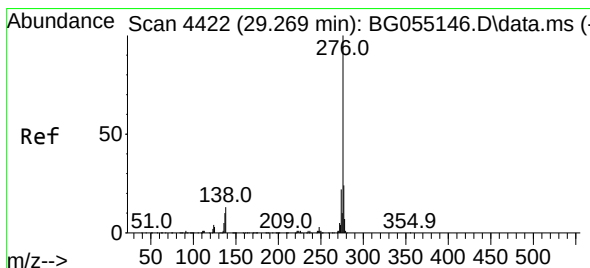
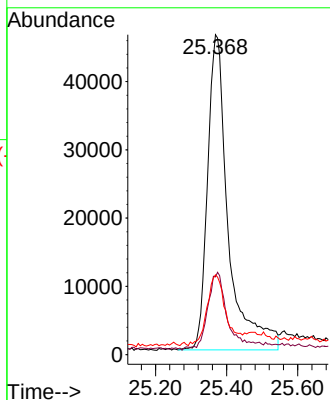
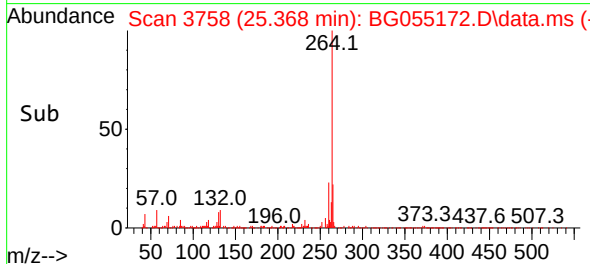
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



Tgt Ion:264 Resp: 187084
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 24.9 16.8 25.2

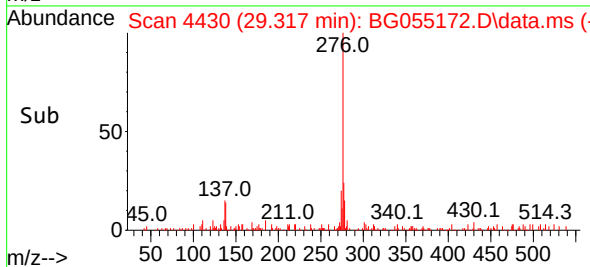
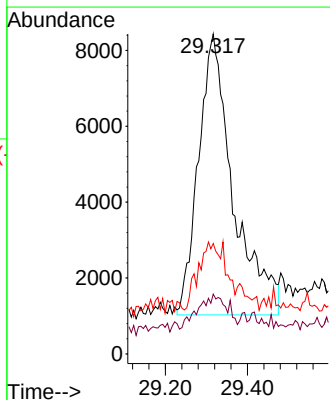
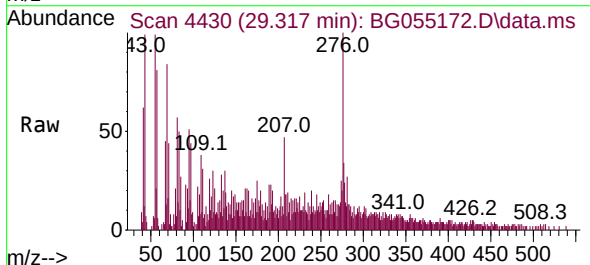
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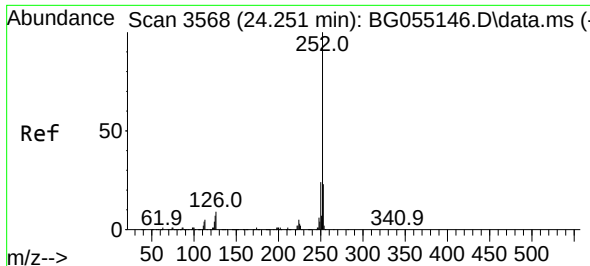
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.134 ng m
RT: 29.317 min Scan# 4430
Delta R.T. 0.048 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

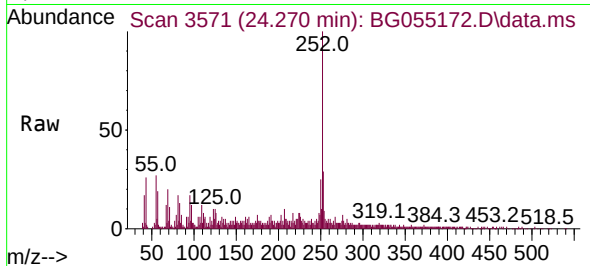
Tgt Ion:276 Resp: 43425
Ion Ratio Lower Upper
276 100
138 10.3 13.4 20.0#
277 18.9 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 12.807 ng
RT: 24.270 min Scan# 3568
Delta R.T. 0.018 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

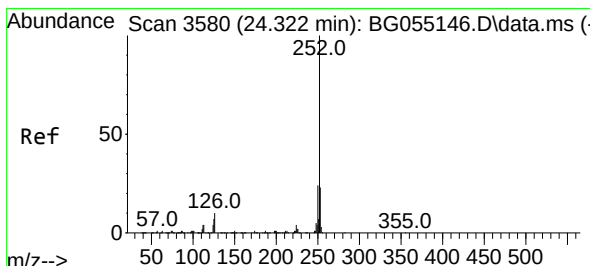
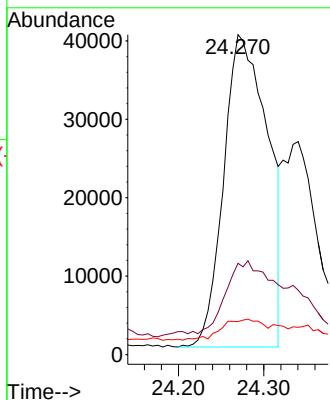
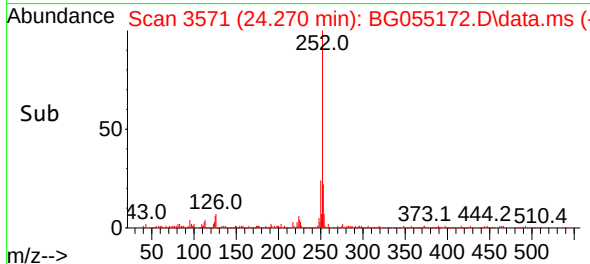
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



Tgt Ion:252 Resp: 142810
Ion Ratio Lower Upper
252 100
253 28.5 18.2 27.2#
125 10.3 5.7 8.5#

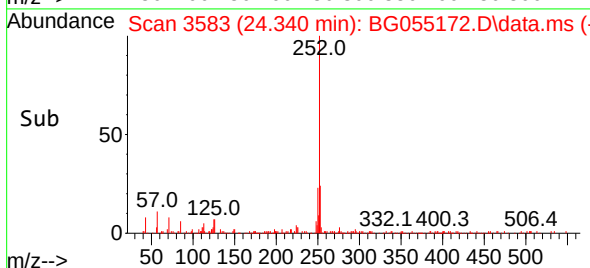
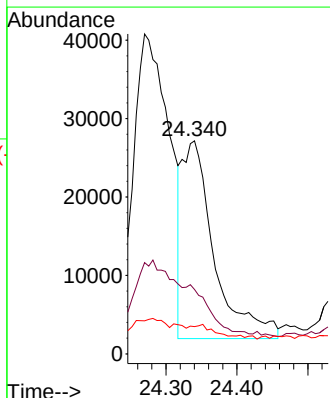
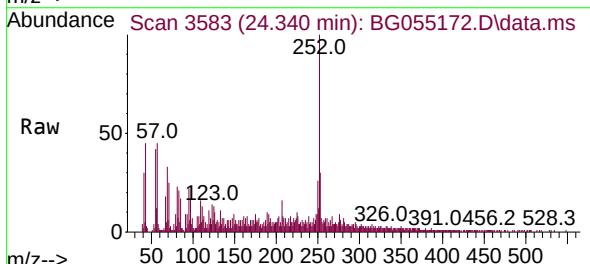
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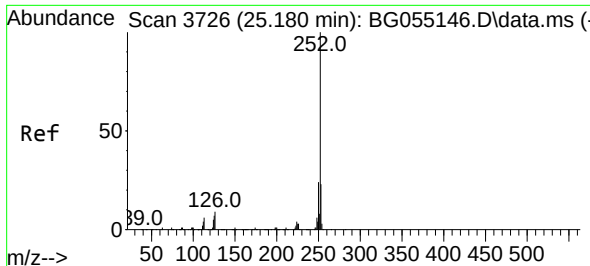
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#89
Benzo(k)fluoranthene
Concen: 7.064 ng m
RT: 24.340 min Scan# 3583
Delta R.T. 0.018 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

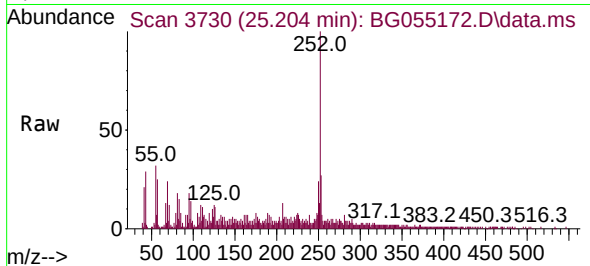
Tgt Ion:252 Resp: 79142
Ion Ratio Lower Upper
252 100
253 30.3 18.0 27.0#
125 12.8 5.8 8.6#





#90
Benzo(a)pyrene
Concen: 11.112 ng
RT: 25.204 min Scan# 31
Delta R.T. 0.024 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48

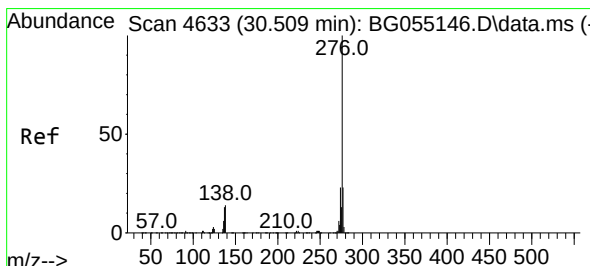
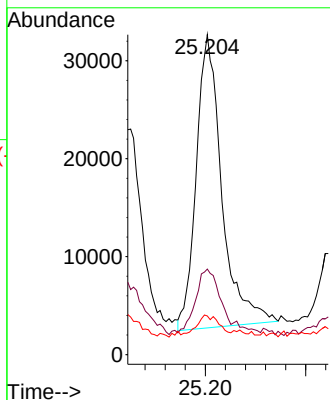
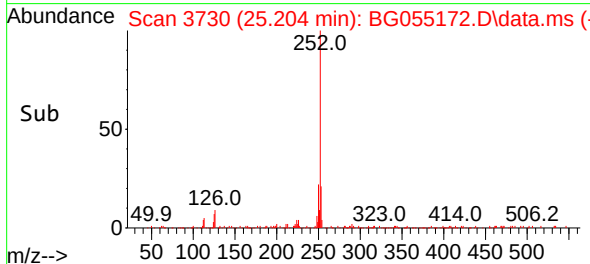
Instrument :
BNA_G
ClientSampleId :
PL-01-101122



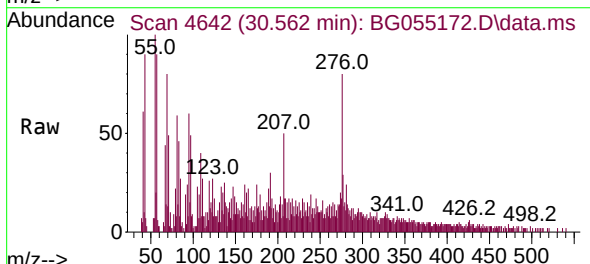
Tgt Ion:252 Resp: 105954
Ion Ratio Lower Upper
252 100
253 26.7 18.2 27.2
125 12.1 5.8 8.8

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



#92
Benzo(g,h,i)perylene
Concen: 3.618 ng m
RT: 30.562 min Scan# 4642
Delta R.T. 0.054 min
Lab File: BG055172.D
Acq: 13 Oct 2022 20:48



Tgt Ion:276 Resp: 40642
Ion Ratio Lower Upper
276 100
277 36.2 18.4 27.6#
138 19.2 11.2 16.8#

