

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055910.D
 Acq On : 6 Dec 2022 19:27
 Operator : CG/JU
 Sample : N5885-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-04-120522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/07/2022
 Supervised By : Jagrut Upadhyay 12/07/2022

Quant Time: Dec 07 05:12:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.170	152	42218	20.000	ng	0.00
21) Naphthalene-d8	10.996	136	177462	20.000	ng	0.00
39) Acenaphthene-d10	14.798	164	122068	20.000	ng	0.00
64) Phenanthrene-d10	17.541	188	258104	20.000	ng	0.00
76) Chrysene-d12	21.825	240	231646	20.000	ng	0.00
86) Perylene-d12	25.180	264	240368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	37057	15.866	ng	0.00
7) Phenol-d6	7.324	99	50246	16.161	ng	0.00
23) Nitrobenzene-d5	9.339	82	33420	9.954	ng	0.00
42) 2,4,6-Tribromophenol	16.284	330	22129	12.874	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	81593	10.014	ng	0.00
79) Terphenyl-d14	20.127	244	116447	10.055	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.583	178	202296	14.524	ng	98
72) Anthracene	17.677	178	50176	3.708	ng	100
75) Fluoranthene	19.586	202	373362	22.034	ng	99
78) Pyrene	19.944	202	341902	21.805	ng	100
81) Benzo(a)anthracene	21.801	228	186580	11.694	ng	100
83) Chrysene	21.872	228	174250	11.472	ng	98
87) Indeno(1,2,3-cd)pyrene	29.034	276	87063	4.421	ng	95
88) Benzo(b)fluoranthene	24.110	252	230589	14.730	ng	# 96
89) Benzo(k)fluoranthene	24.163	252	89307m	5.723	ng	
90) Benzo(a)pyrene	25.015	252	179906	13.393	ng	97
92) Benzo(g,h,i)perylene	30.250	276	82912m	5.112	ng	

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

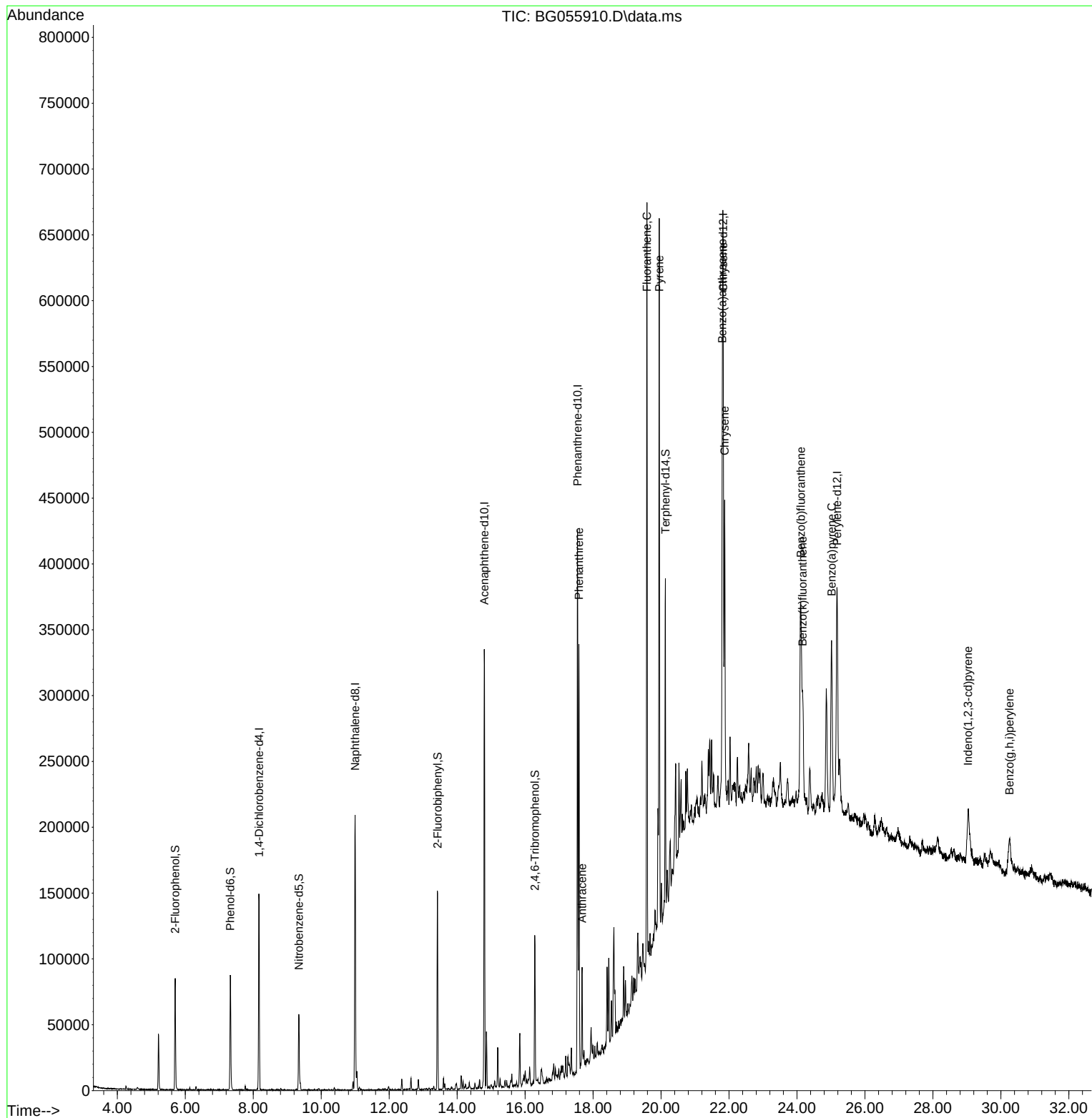
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
Data File : BG055910.D
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Sample : N5885-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

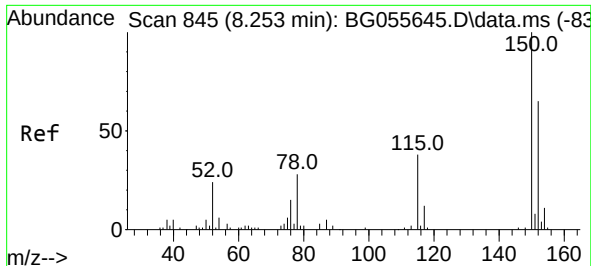
Instrument :
BNA_G
ClientSampleId :
JC-04-120522

Quant Time: Dec 07 05:12:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 07 05:04:10 2022
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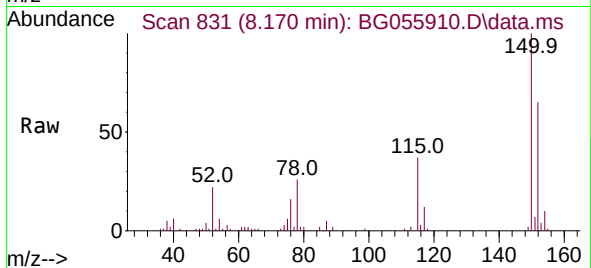
Reviewed By : Christian Giraldo 12/07/2022
Supervised By : Jagrut Upadhyay 12/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 845
Delta R.T. 0.008 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

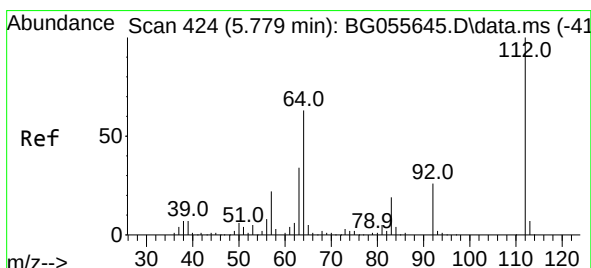
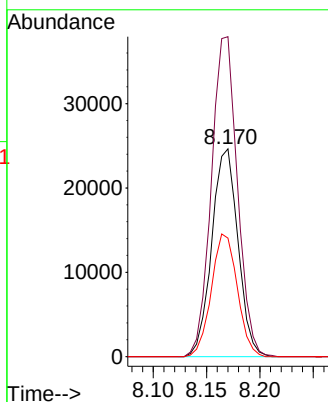
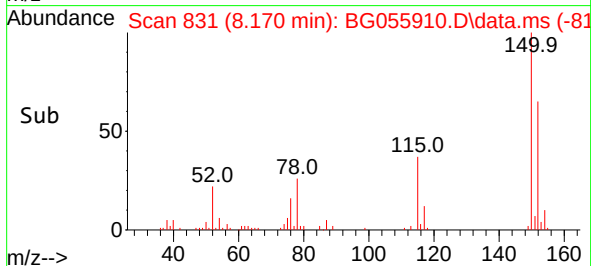
Instrument :
BNA_G
ClientSampleId :
JC-04-120522



Tgt Ion:152 Resp: 42218
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 57.0 47.0 70.4

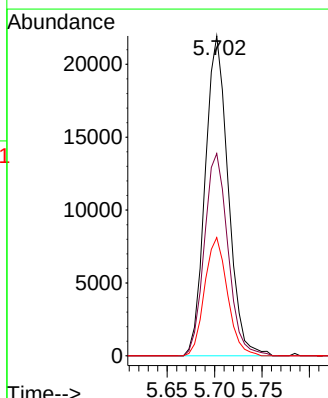
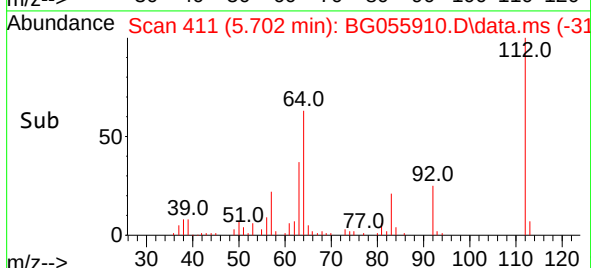
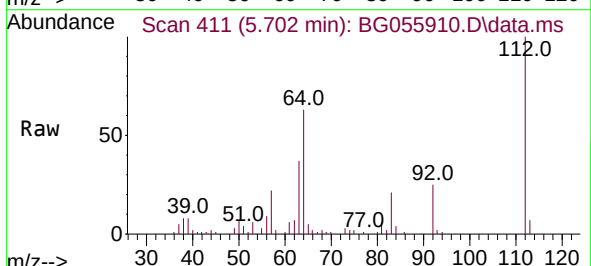
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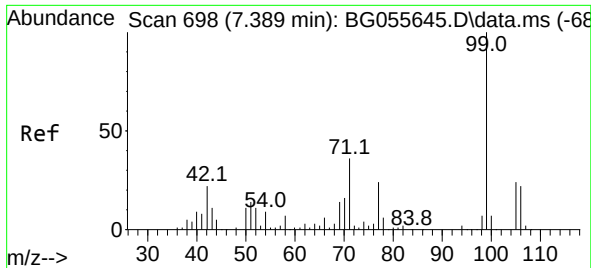
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#5
2-Fluorophenol
Concen: 15.866 ng
RT: 5.702 min Scan# 411
Delta R.T. 0.008 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Tgt Ion:112 Resp: 37057
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 37.0 27.5 41.3





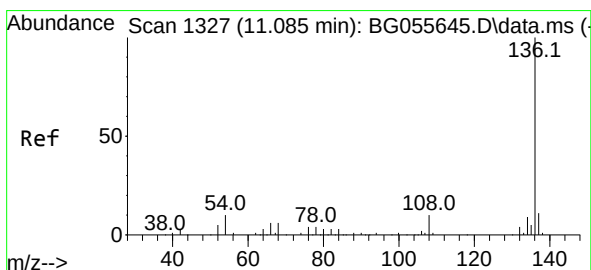
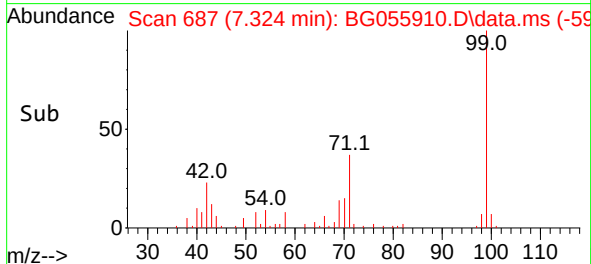
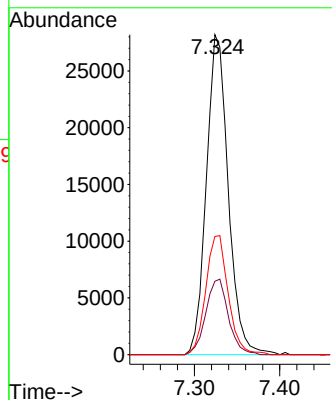
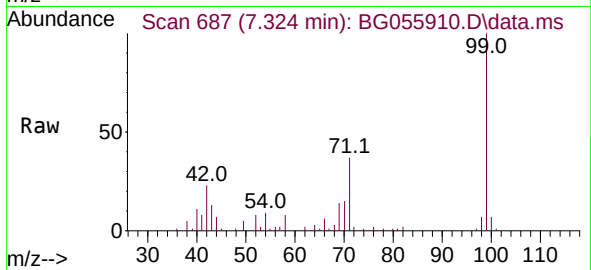
#7
Phenol-d6
Concen: 16.161 ng
RT: 7.324 min Scan# 687
Delta R.T. 0.002 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Instrument :
BNA_G
ClientSampleId :
JC-04-120522

Tgt Ion: 99 Resp: 50246
Ion Ratio Lower Upper
99 100
42 22.9 18.0 27.0
71 36.9 29.0 43.6

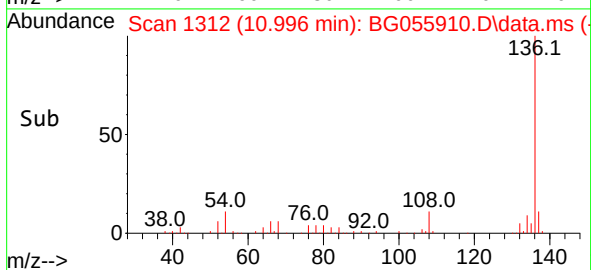
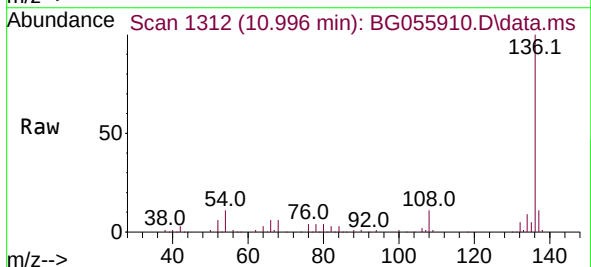
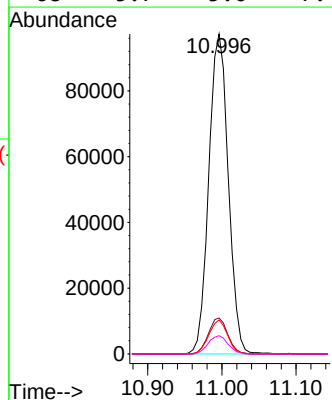
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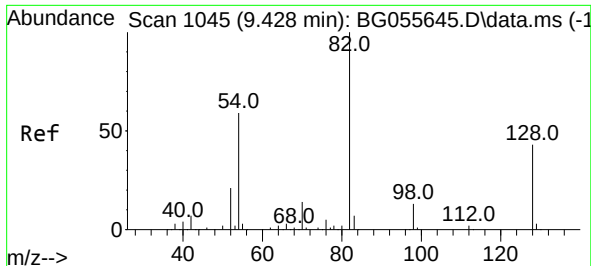
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.996 min Scan# 1312
Delta R.T. 0.002 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Tgt Ion:136 Resp: 177462
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.6 7.8 11.6
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 9.954 ng

RT: 9.339 min Scan# 1045

Delta R.T. -0.004 min

Lab File: BG055910.D

Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

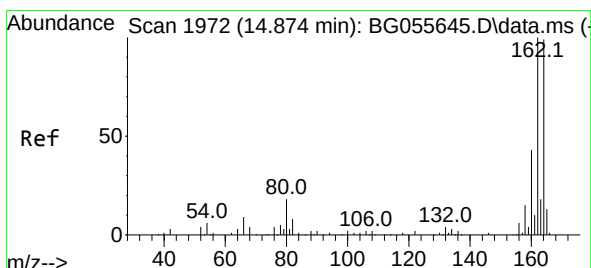
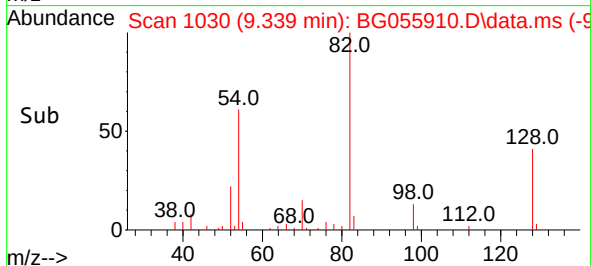
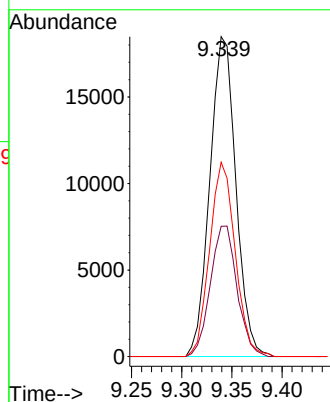
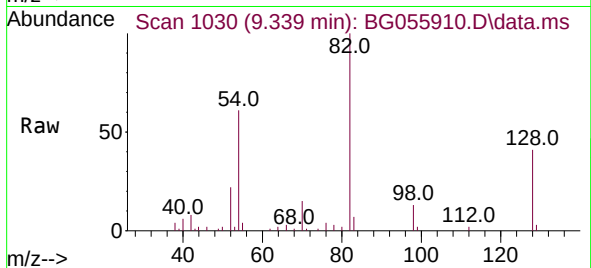
JC-04-120522

Tgt Ion: 82 Resp: 33420
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.1 51.1
 54 60.7 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

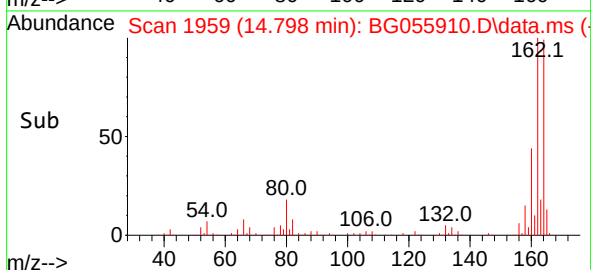
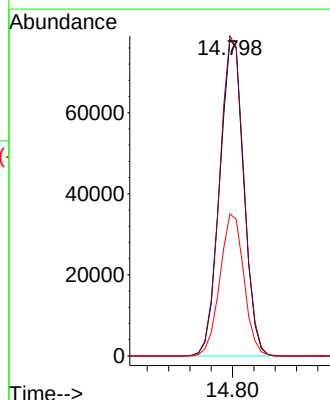
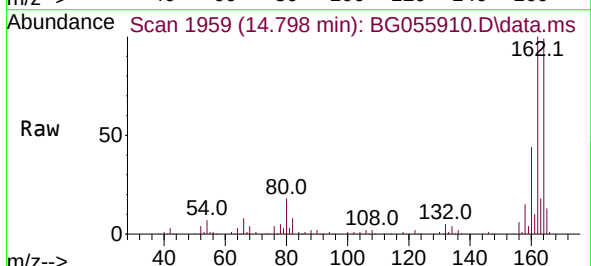
RT: 14.798 min Scan# 1959

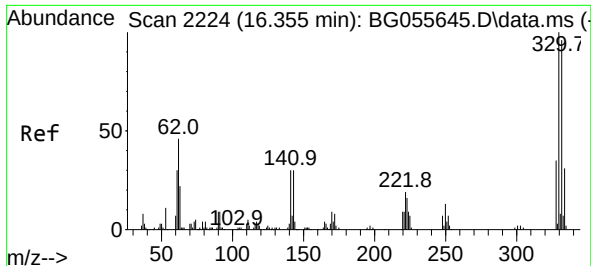
Delta R.T. -0.004 min

Lab File: BG055910.D

Acq: 6 Dec 2022 19:27

Tgt Ion:164 Resp: 122068
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.1 121.7
 160 44.9 34.8 52.2





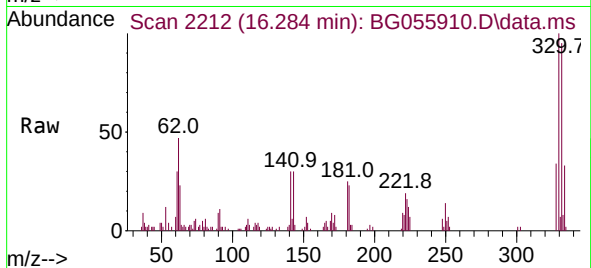
#42
2,4,6-Tribromophenol
Concen: 12.874 ng
RT: 16.284 min Scan# 211
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

JC-04-120522

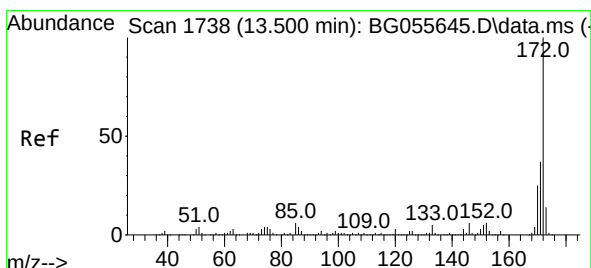
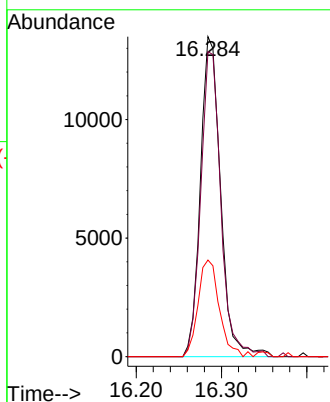
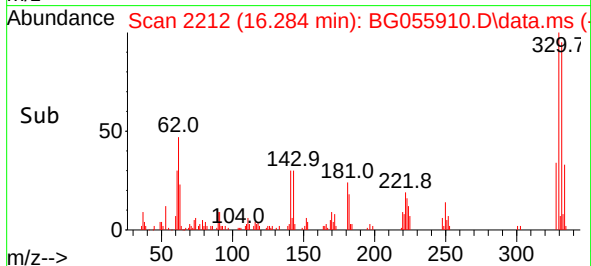


Tgt Ion:330 Resp: 22129
Ion Ratio Lower Upper
330 100
332 94.9 77.8 116.8
141 31.9 23.9 35.9

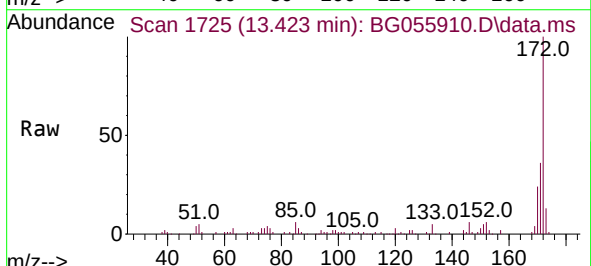
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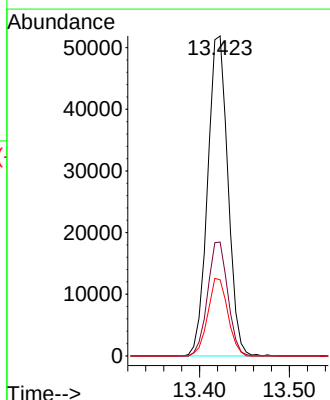
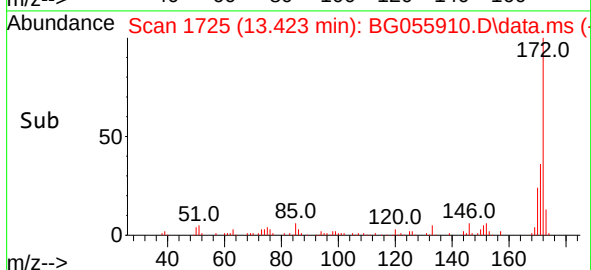
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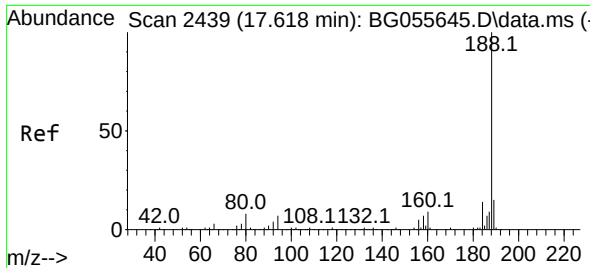


#45
2-Fluorobiphenyl
Concen: 10.014 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.002 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27



Tgt Ion:172 Resp: 81593
Ion Ratio Lower Upper
172 100
171 35.6 29.8 44.6
170 23.8 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.541 min Scan# 2439
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

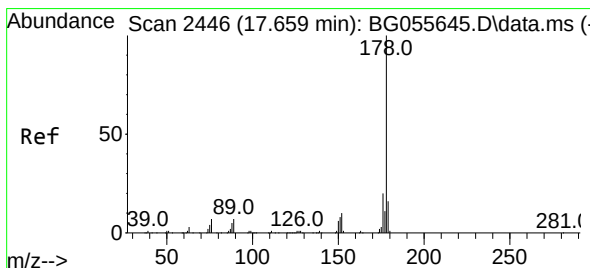
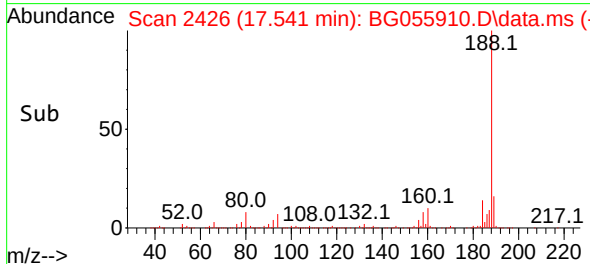
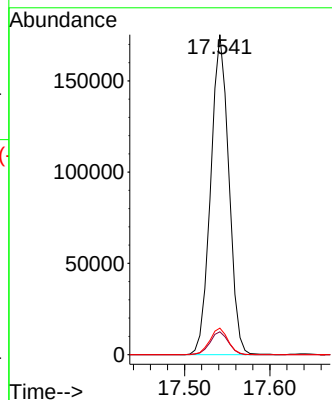
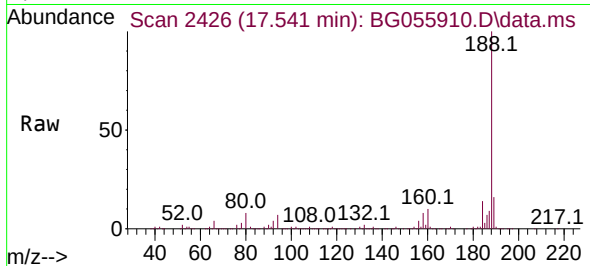
JC-04-120522

Tgt Ion:188 Resp: 258104
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations

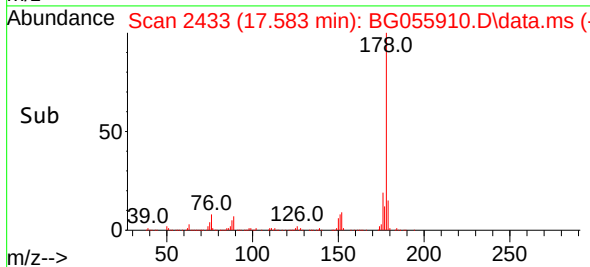
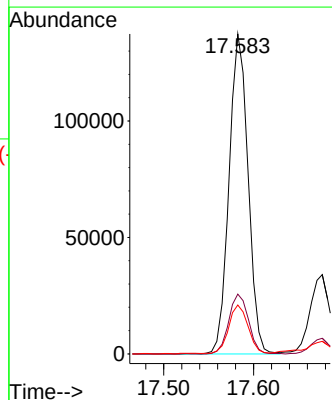
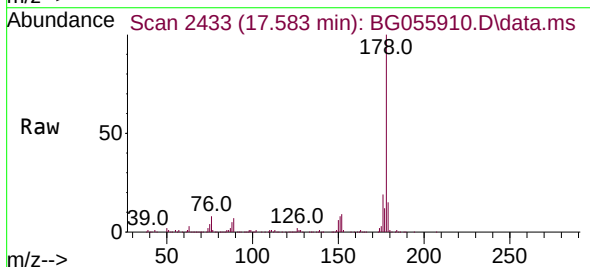
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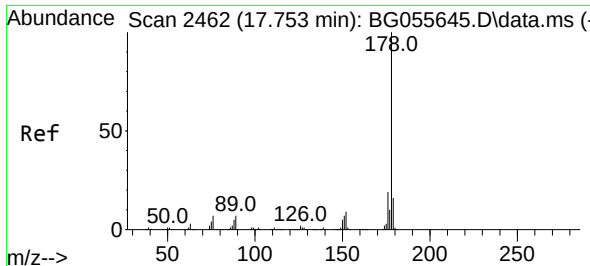
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#71
Phenanthrene
Concen: 14.524 ng
RT: 17.583 min Scan# 2433
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

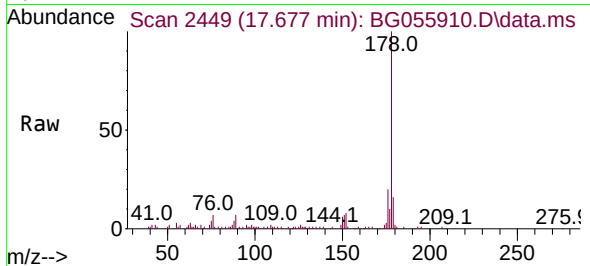
Tgt Ion:178 Resp: 202296
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.3 12.7 19.1





#72
 Anthracene
 Concen: 3.708 ng
 RT: 17.677 min Scan# 2462
 Delta R.T. 0.002 min
 Lab File: BG055910.D
 Acq: 6 Dec 2022 19:27

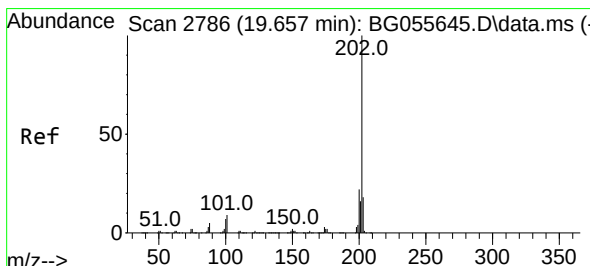
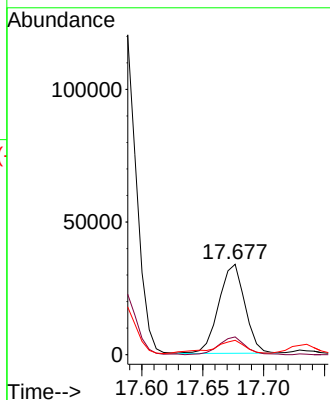
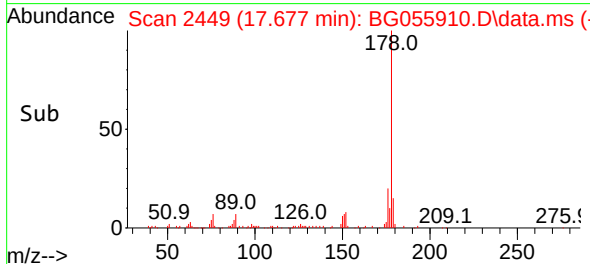
Instrument :
 BNA_G
 ClientSampleId :
 JC-04-120522



Tgt Ion:178 Resp: 50176
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.8 12.5 18.7

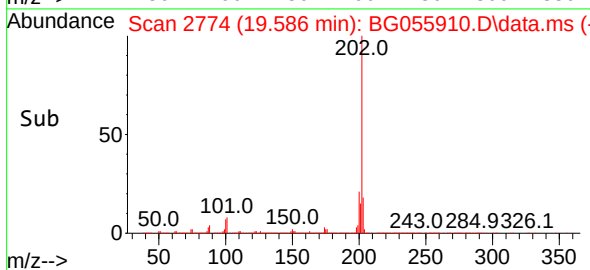
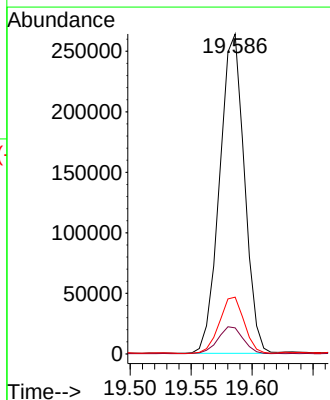
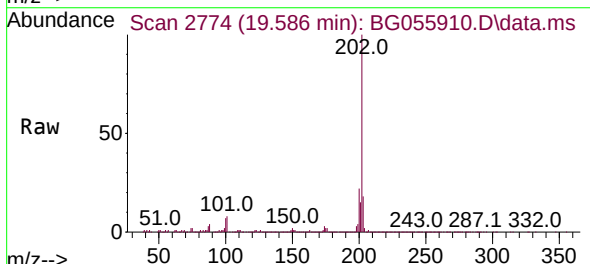
Manual Integrations
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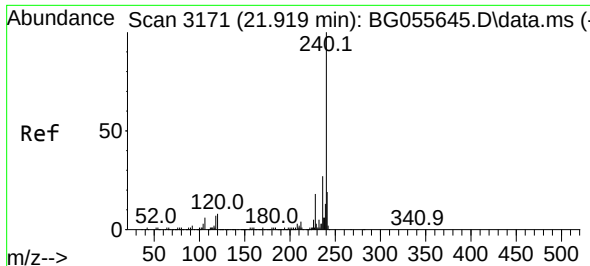
Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022



#75
 Fluoranthene
 Concen: 22.034 ng
 RT: 19.586 min Scan# 2774
 Delta R.T. 0.002 min
 Lab File: BG055910.D
 Acq: 6 Dec 2022 19:27

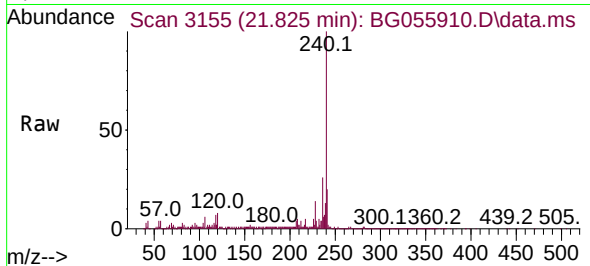
Tgt Ion:202 Resp: 373362
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 28.8
 203 17.7 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.825 min Scan# 3171
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

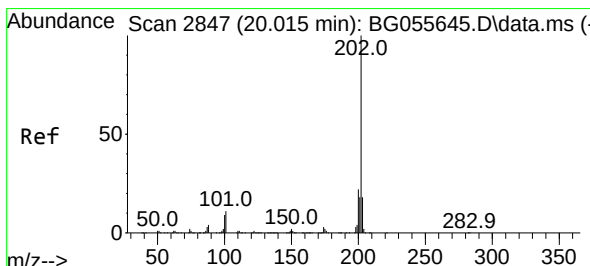
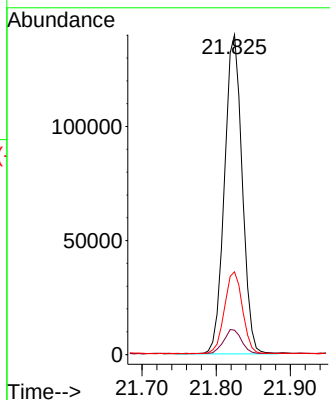
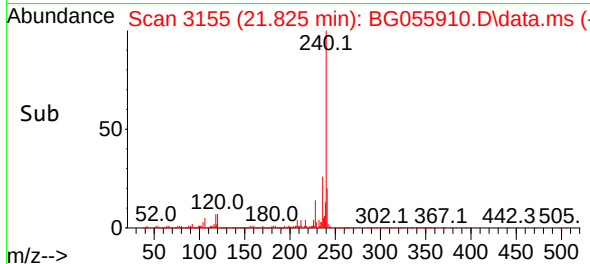
Instrument :
BNA_G
ClientSampleId :
JC-04-120522



Tgt Ion:240 Resp: 231646
Ion Ratio Lower Upper
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120 7.6 6.3 9.5
236 25.9 21.9 32.9

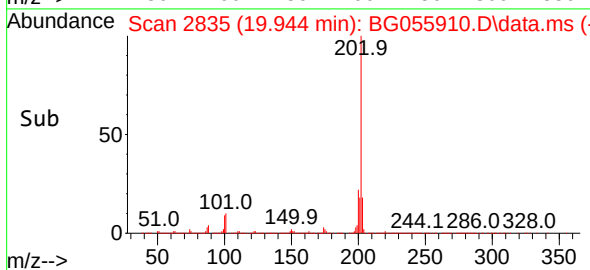
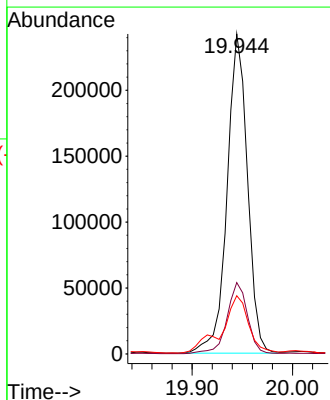
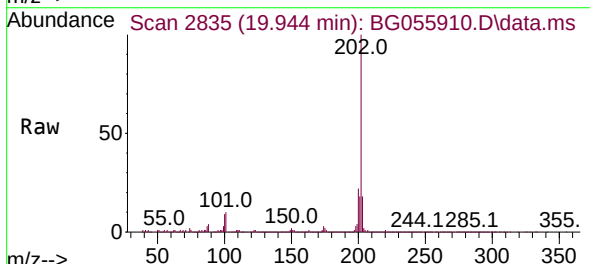
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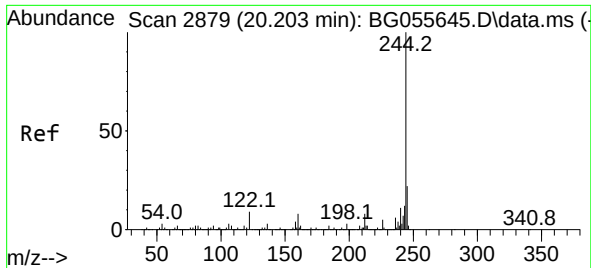
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#78
Pyrene
Concen: 21.805 ng
RT: 19.944 min Scan# 2835
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Tgt Ion:202 Resp: 341902
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 18.2 14.4 21.6





#79
 Terphenyl-d14
 Concen: 10.055 ng
 RT: 20.127 min Scan# 2879
 Delta R.T. -0.004 min
 Lab File: BG055910.D
 Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

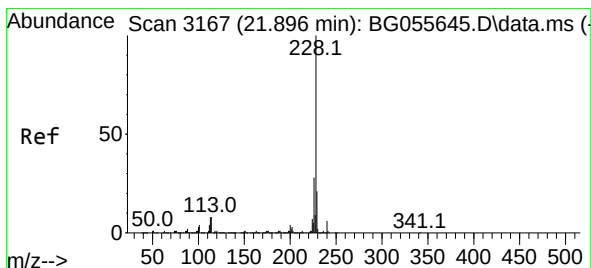
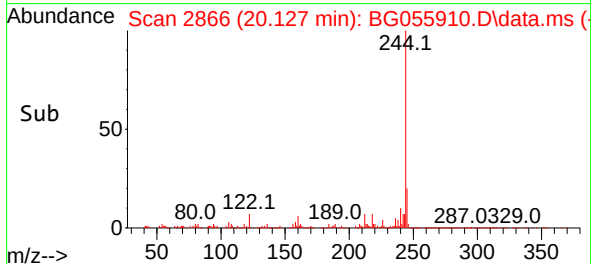
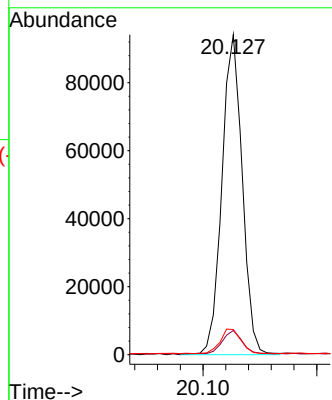
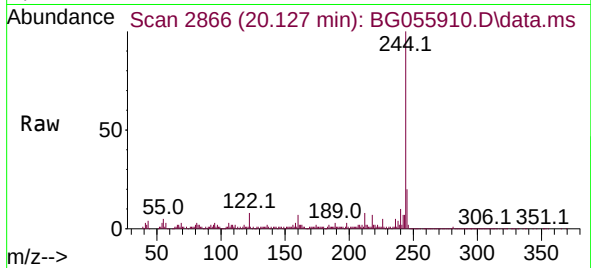
JC-04-120522

Tgt Ion:244 Resp: 116447
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 7.8 6.9 10.3

Manual Integrations

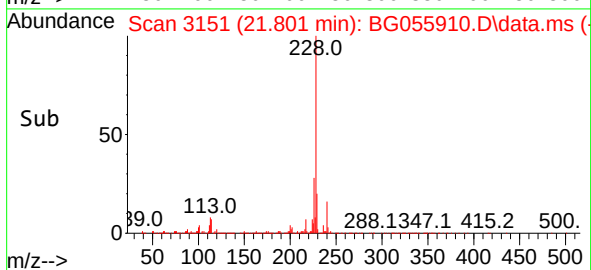
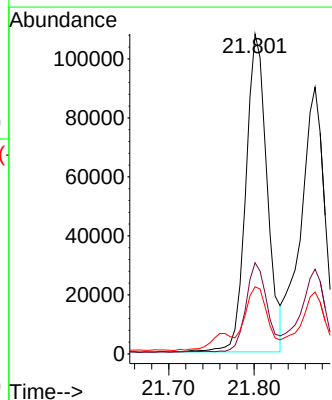
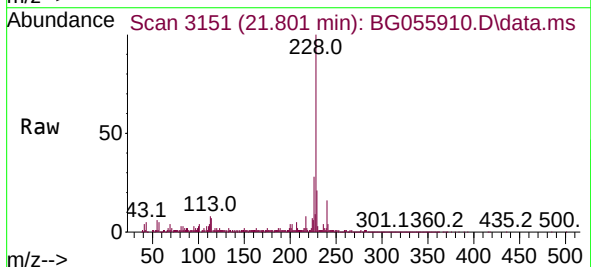
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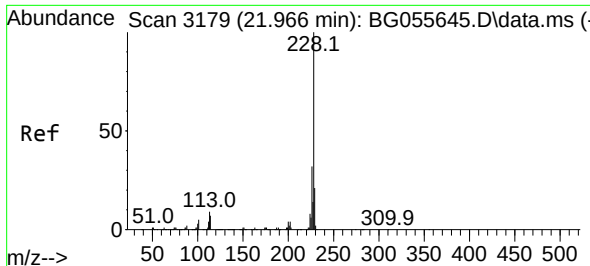
Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022



#81
 Benzo(a)anthracene
 Concen: 11.694 ng
 RT: 21.801 min Scan# 3151
 Delta R.T. -0.004 min
 Lab File: BG055910.D
 Acq: 6 Dec 2022 19:27

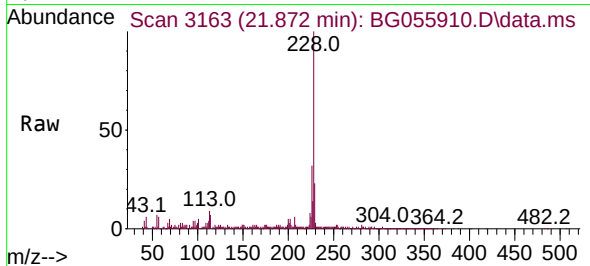
Tgt Ion:228 Resp: 186580
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.7 34.1
 229 21.0 16.5 24.7





#83
Chrysene
Concen: 11.472 ng
RT: 21.872 min Scan# 3179
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

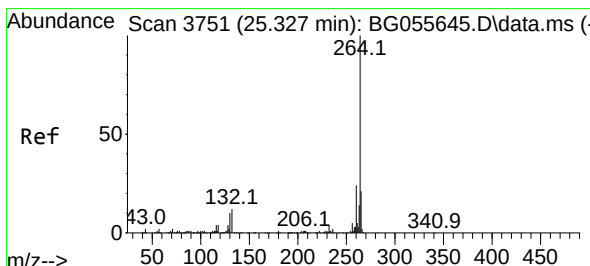
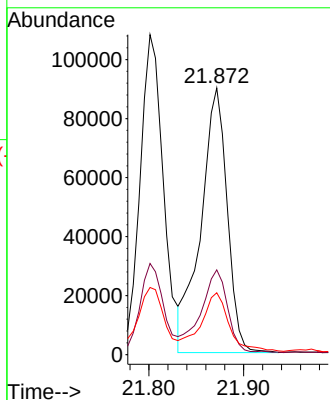
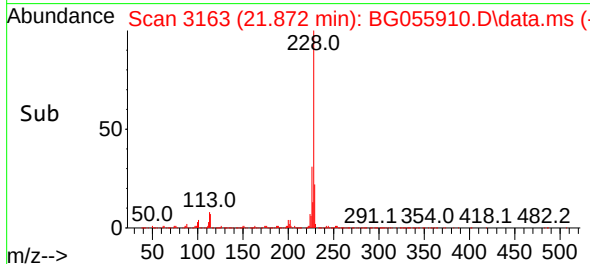
Instrument :
BNA_G
ClientSampleId :
JC-04-120522



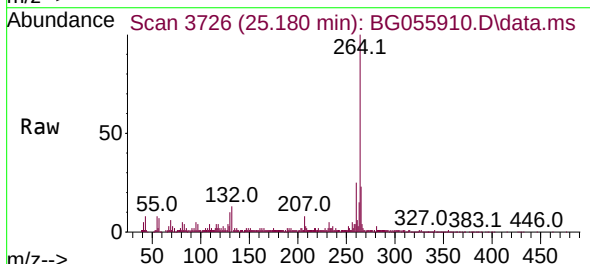
Tgt Ion:228 Resp: 174250
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 23.2 17.1 25.7

Manual Integrations
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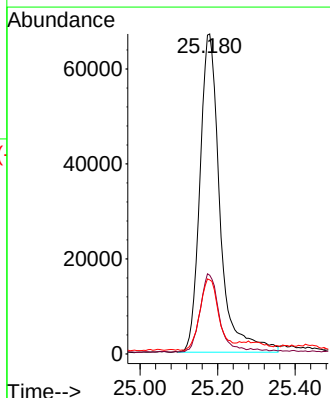
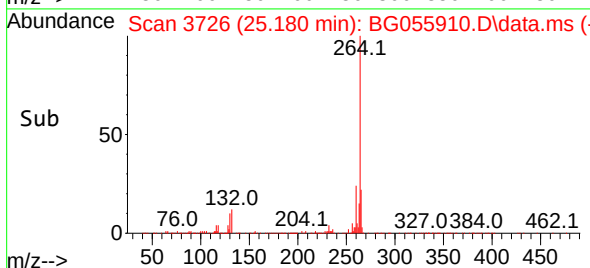
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022

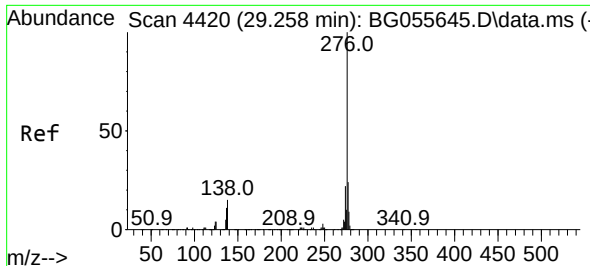


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 3726
Delta R.T. 0.002 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27



Tgt Ion:264 Resp: 240368
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 23.1 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.421 ng
RT: 29.034 min Scan# 4382
Delta R.T. -0.010 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

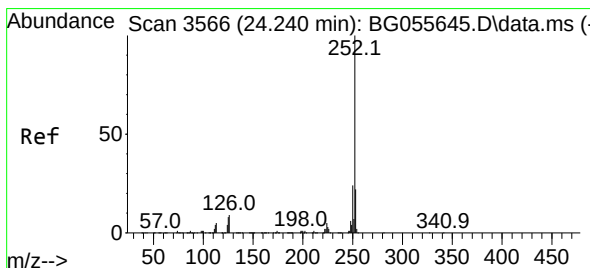
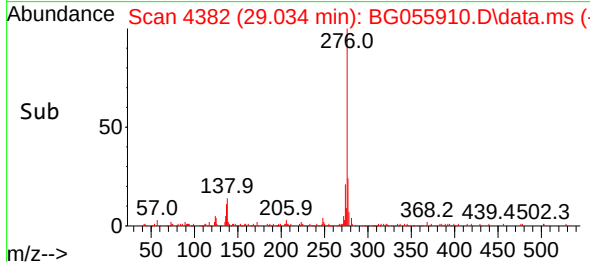
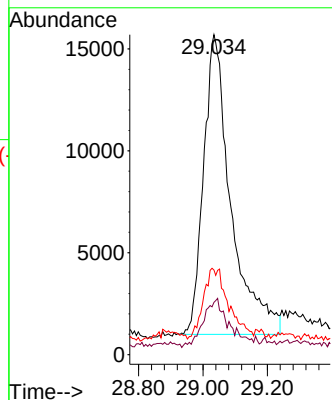
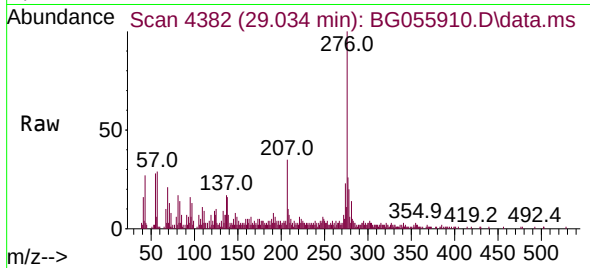
ClientSampleId :

JC-04-120522

Tgt Ion:276 Resp: 87063
Ion Ratio Lower Upper
276 100
138 13.4 10.4 15.6
277 21.8 20.2 30.4

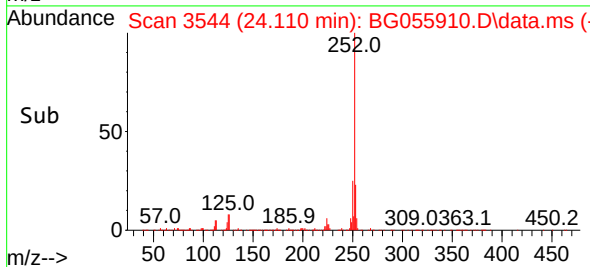
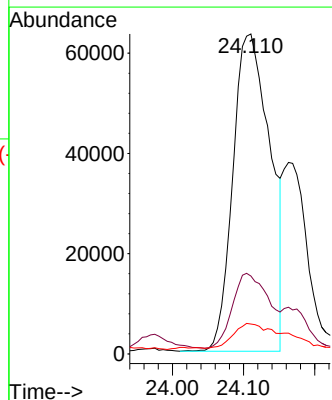
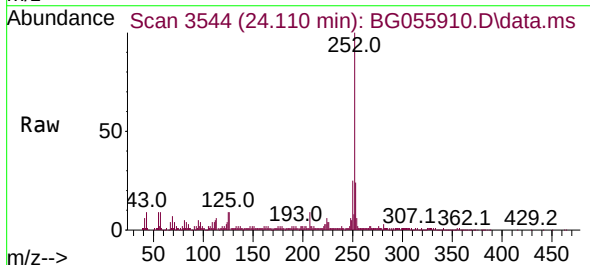
Manual Integrations
APPROVED

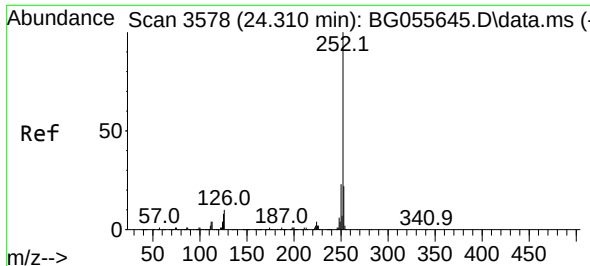
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#88
Benzo(b)fluoranthene
Concen: 14.730 ng
RT: 24.110 min Scan# 3544
Delta R.T. 0.002 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Tgt Ion:252 Resp: 230589
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 9.3 6.2 9.2#





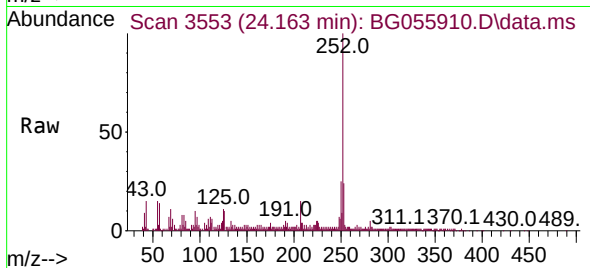
#89
Benzo(k)fluoranthene
Concen: 5.723 ng m
RT: 24.163 min Scan# 3578
Delta R.T. -0.016 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

JC-04-120522

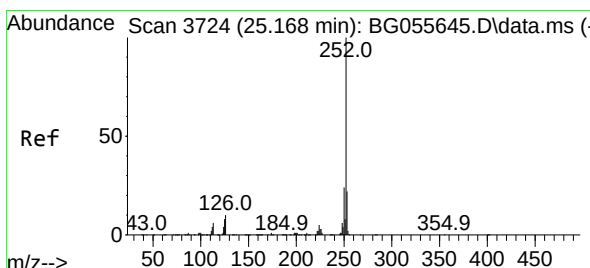
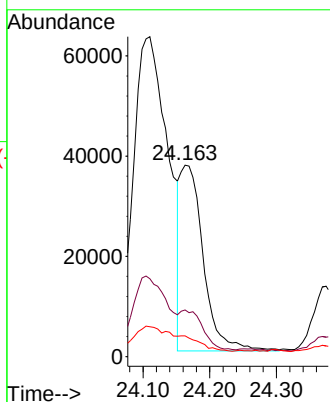
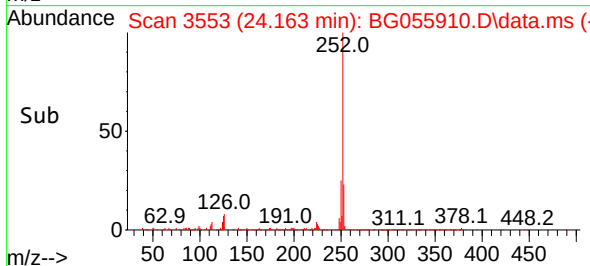


Tgt Ion:252 Resp: 89307
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 10.8 6.1 9.1

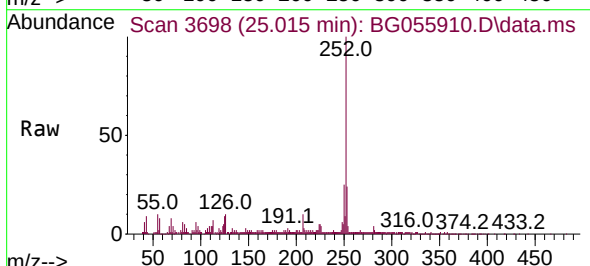
Manual Integrations

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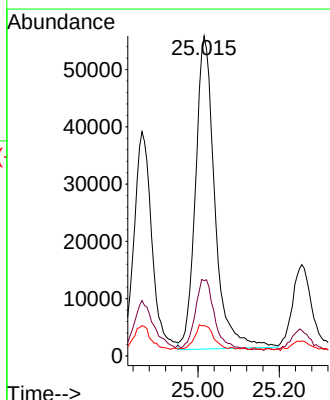
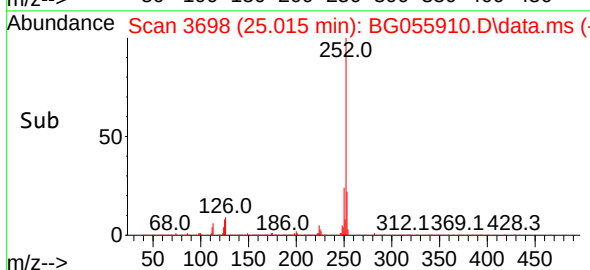
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022

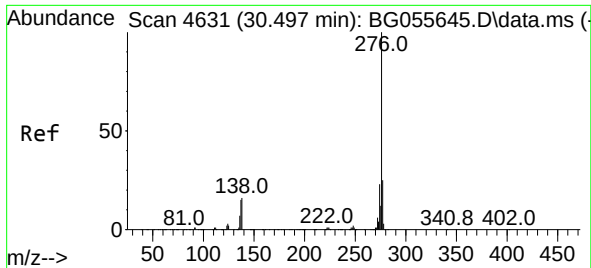


#90
Benzo(a)pyrene
Concen: 13.393 ng
RT: 25.015 min Scan# 3698
Delta R.T. -0.004 min
Lab File: BG055910.D
Acq: 6 Dec 2022 19:27



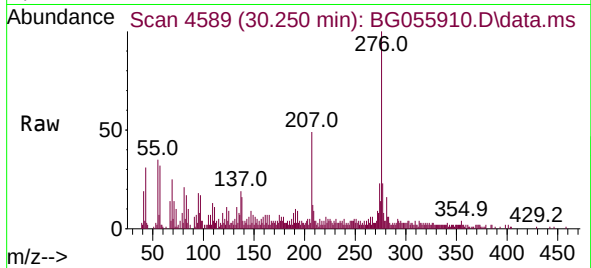
Tgt Ion:252 Resp: 179906
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.5 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 5.112 ng m
 RT: 30.250 min Scan# 4589
 Delta R.T. -0.004 min
 Lab File: BG055910.D
 Acq: 6 Dec 2022 19:27

Instrument :
 BNA_G
 ClientSampleId :
 JC-04-120522



Tgt Ion:	276	Resp:	82912
Ion Ratio	Lower	Upper	
276	100		
277	22.6	19.8	29.6
138	15.8	13.1	19.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022

