

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054350.D
 Acq On : 21 Jul 2022 18:29
 Operator : CG/JU
 Sample : N3786-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC17B

Quant Time: Jul 22 02:37:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.999	152	19267	20.000	ng	0.00
21) Naphthalene-d8	10.808	136	75583	20.000	ng	# 0.00
39) Acenaphthene-d10	14.633	164	61015	20.000	ng	0.00
64) Phenanthrene-d10	17.376	188	147154	20.000	ng	# 0.00
76) Chrysene-d12	21.648	240	162579	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	172650	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	98539	106.783	ng	0.00
7) Phenol-d6	7.177	99	132585	104.855	ng	0.00
23) Nitrobenzene-d5	9.163	82	88966	64.099	ng	0.00
42) 2,4,6-Tribromophenol	16.125	330	130987	102.247	ng	0.00
45) 2-Fluorobiphenyl	13.258	172	277909	64.254	ng	0.00
79) Terphenyl-d14	19.991	244	532760	65.008	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.423	178	53766	7.337	ng	98
75) Fluoranthene	19.433	202	99487	9.959	ng	96
78) Pyrene	19.791	202	87507	9.380	ng	97
81) Benzo(a)anthracene	21.624	228	57598	5.581	ng	96
83) Chrysene	21.695	228	51615m	5.294	ng	
87) Indeno(1,2,3-cd)pyrene	28.522	276	34370	2.617	ng	97
88) Benzo(b)fluoranthene	23.834	252	66872	6.549	ng	# 97
89) Benzo(k)fluoranthene	23.898	252	24876m	2.448	ng	
90) Benzo(a)pyrene	24.703	252	49564	5.684	ng	# 90
92) Benzo(g,h,i)perylene	29.674	276	34469	3.234	ng	# 88

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

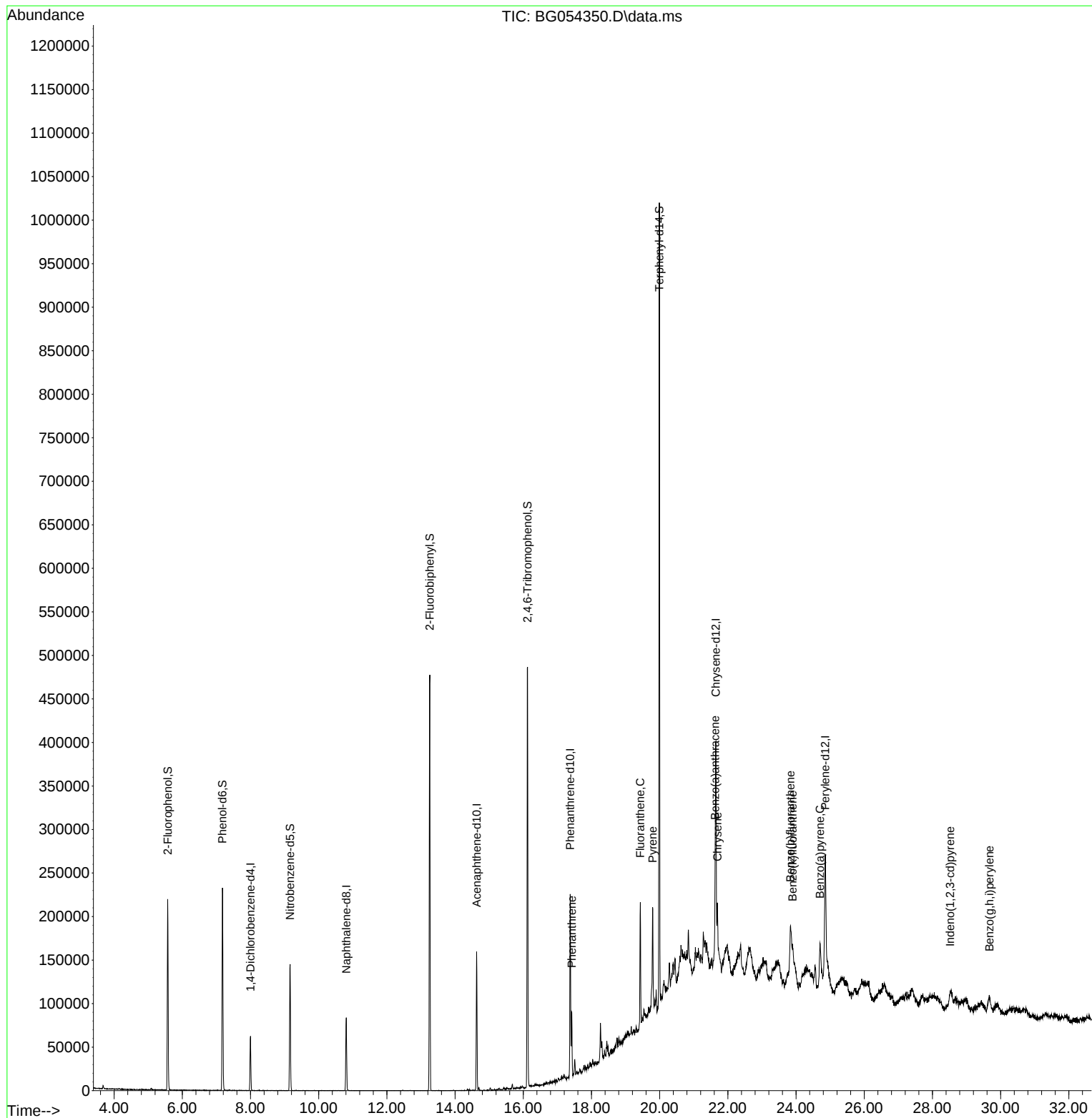
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
Data File : BG054350.D
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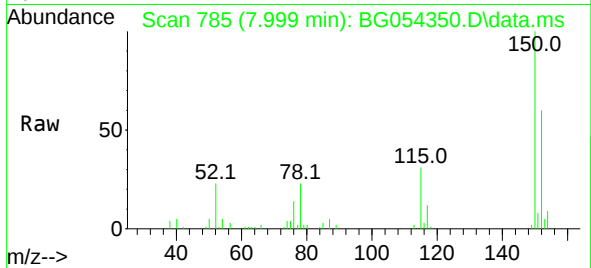
Reviewed By : Christian Giraldo 07/22/2022
Supervised By : Jagrut Upadhyay 07/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.999 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

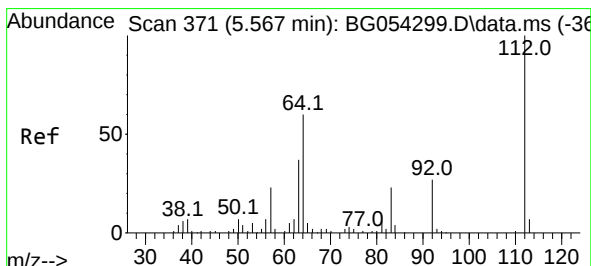
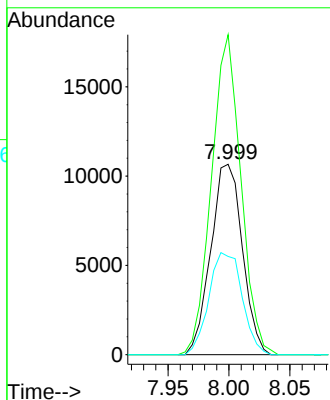
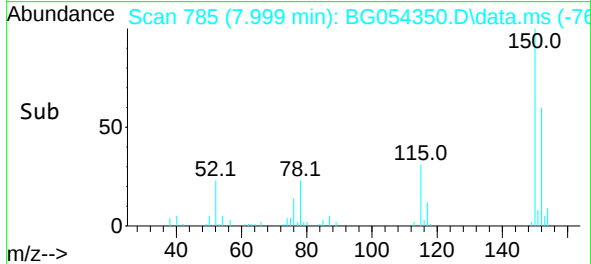
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



Tgt Ion:152 Resp: 1926
Ion Ratio Lower Upper
152 100
150 168.0 131.6 197.4
115 51.5 50.9 76.3

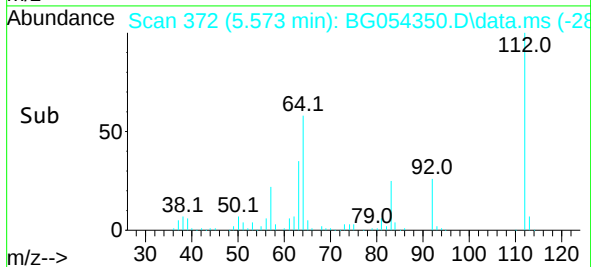
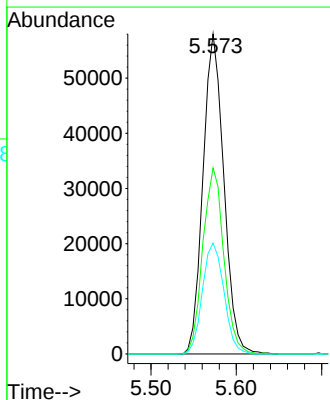
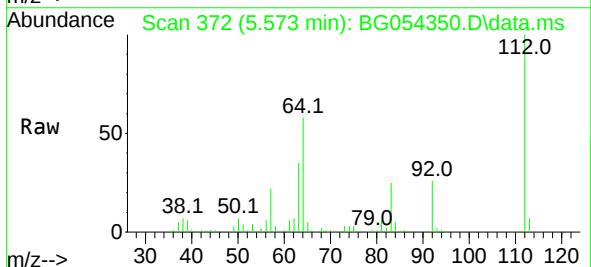
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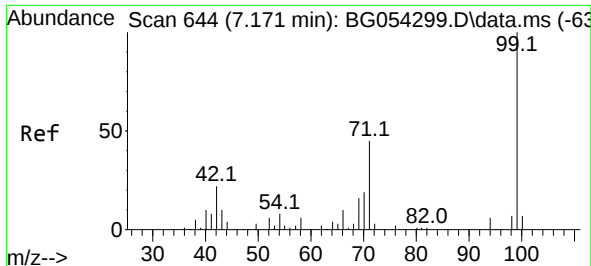
Reviewed By :Christian Giraldo 07/22/2022
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#5
2-Fluorophenol
Concen: 106.783 ng
RT: 5.573 min Scan# 372
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

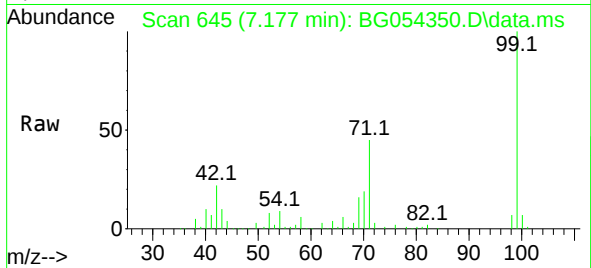
Tgt Ion:112 Resp: 98539
Ion Ratio Lower Upper
112 100
64 58.1 55.1 82.7
63 34.7 30.4 45.6





#7
Phenol-d6
Concen: 104.855 ng
RT: 7.177 min Scan# 644
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

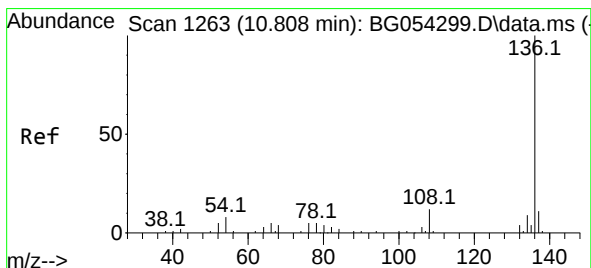
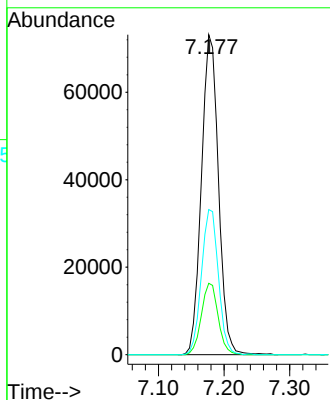
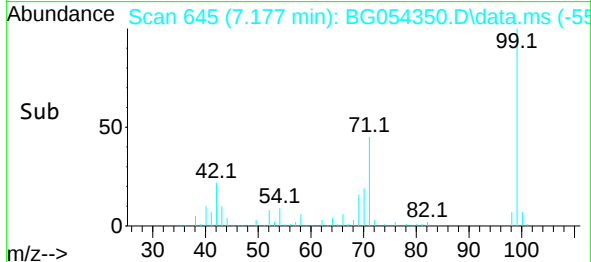
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



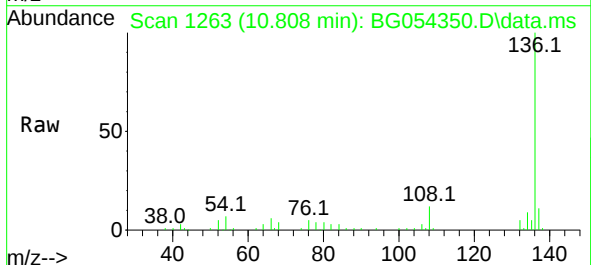
Tgt Ion: 99 Resp: 13258
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 45.4 33.8 50.8

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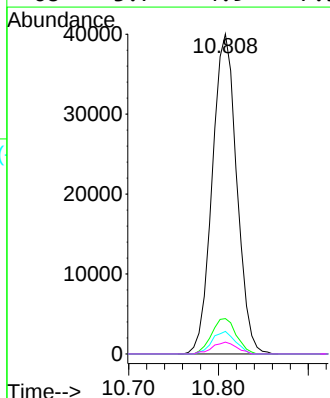
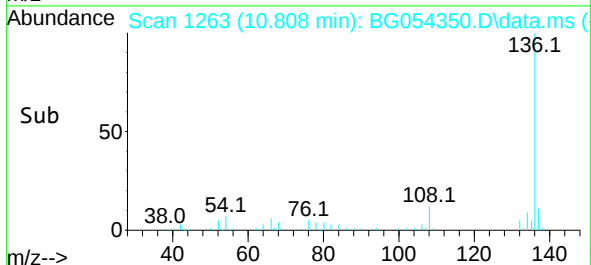
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.808 min Scan# 1263
Delta R.T. -0.000 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29



Tgt Ion:136 Resp: 75583
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.0 7.4 11.2#
68 3.7 4.9 7.3#





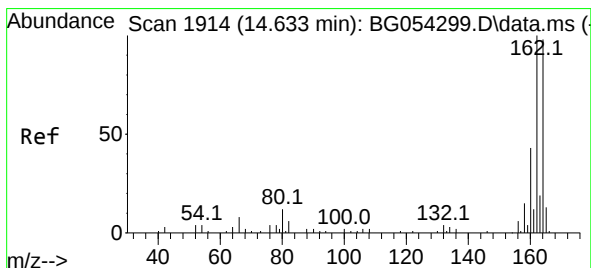
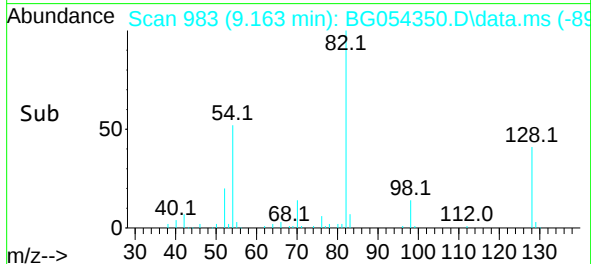
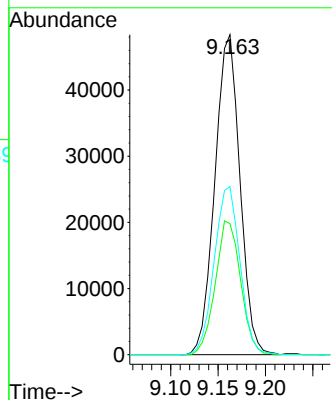
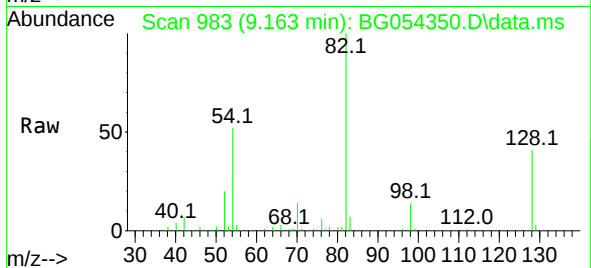
#23
Nitrobenzene-d5
Concen: 64.099 ng
RT: 9.163 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

Tgt Ion: 82 Resp: 88960
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 52.5 41.2 61.8

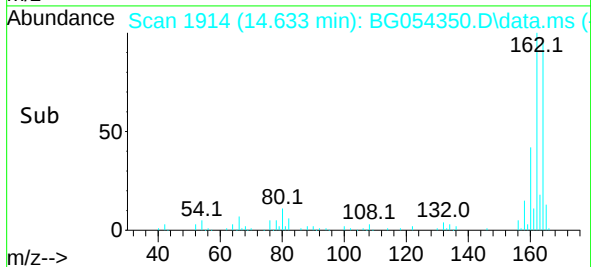
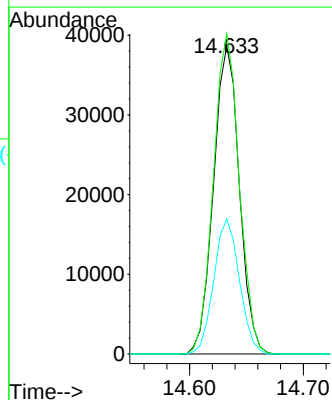
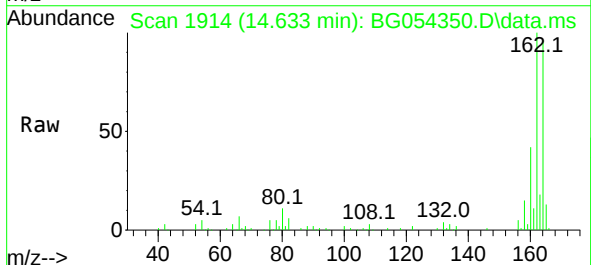
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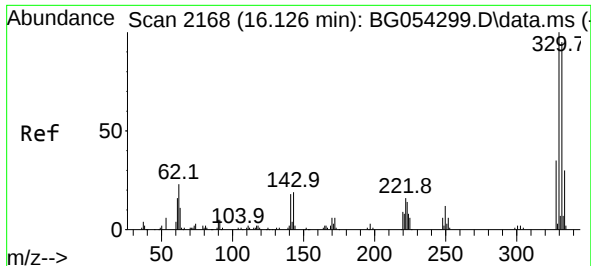
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

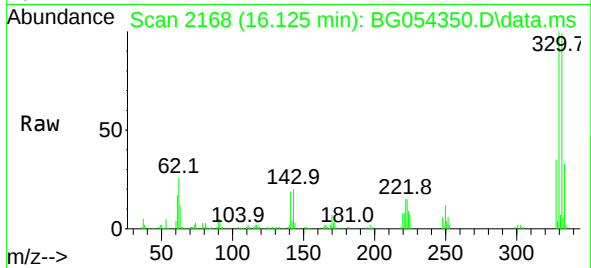
Tgt Ion:164 Resp: 61015
Ion Ratio Lower Upper
164 100
162 103.8 82.3 123.5
160 43.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 102.247 ng
RT: 16.125 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

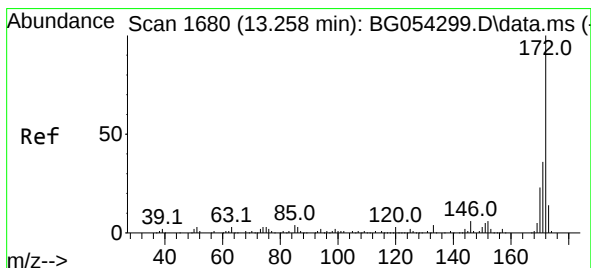
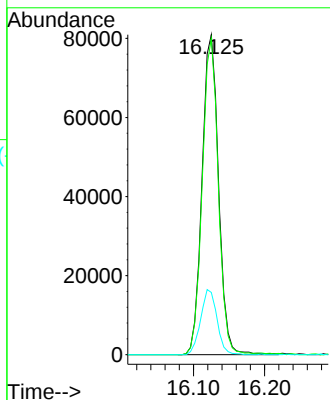
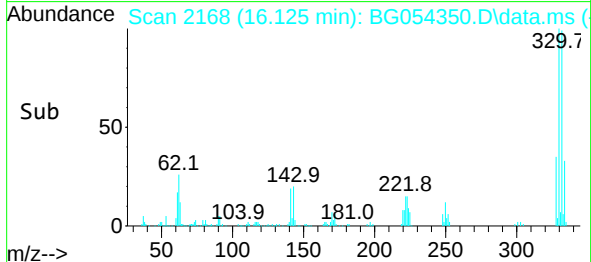
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



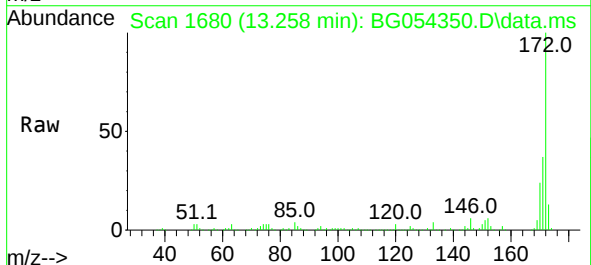
Tgt Ion:330 Resp: 130987
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 20.1 27.1 40.7

Manual Integrations
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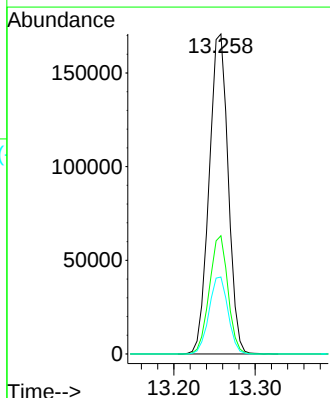
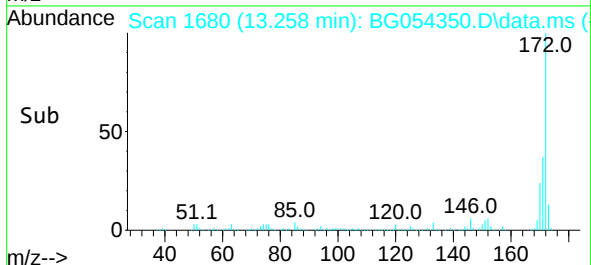
Reviewed By :Christian Giraldo 07/22/2022
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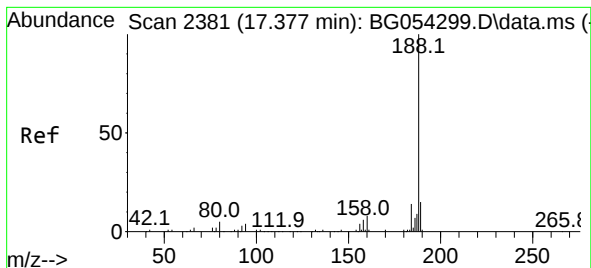


#45
2-Fluorobiphenyl
Concen: 64.254 ng
RT: 13.258 min Scan# 1680
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29



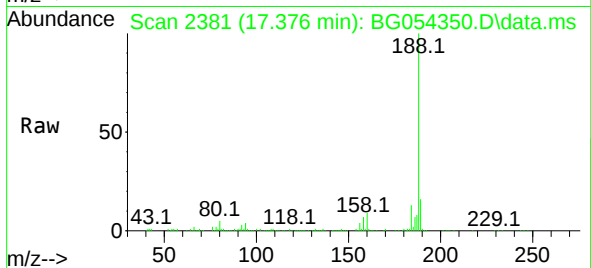
Tgt Ion:172 Resp: 277909
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.376 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

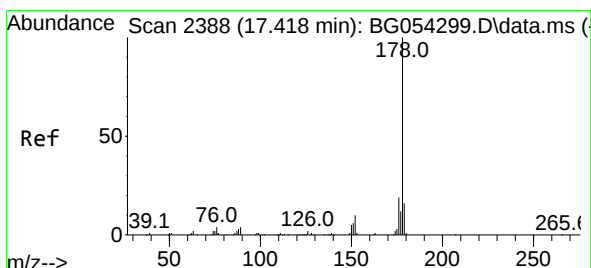
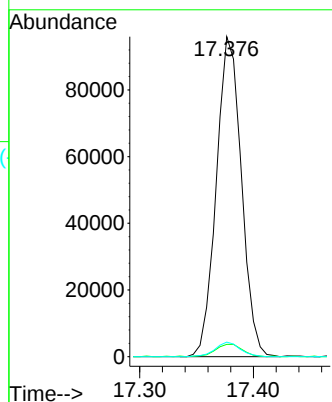
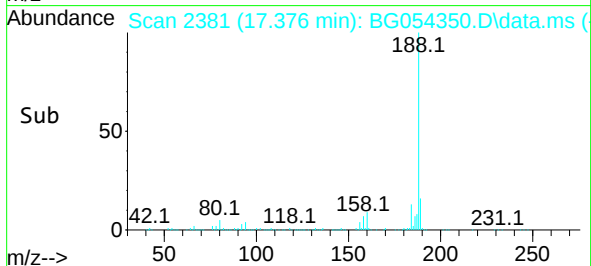
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



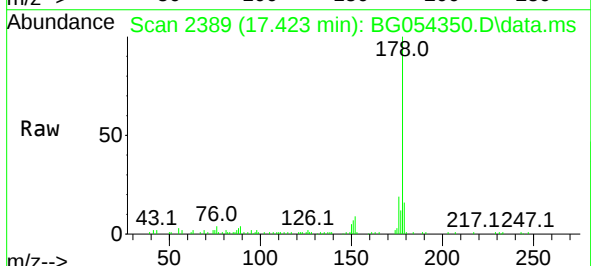
Tgt Ion:188 Resp: 147154
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0
80 4.5 6.8 10.2

Manual Integrations
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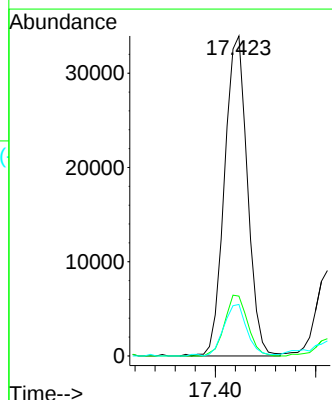
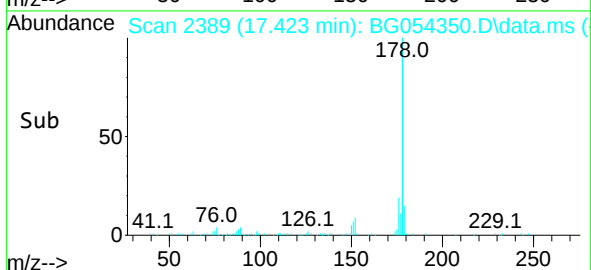
Reviewed By :Christian Giraldo 07/22/2022
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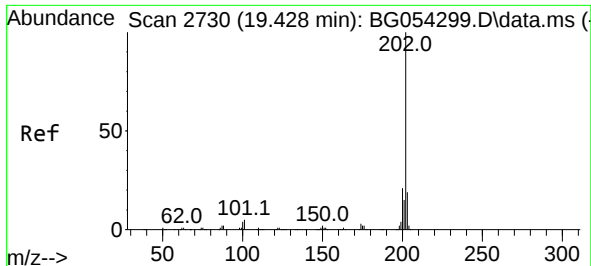


#71
Phenanthrene
Concen: 7.337 ng
RT: 17.423 min Scan# 2389
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29



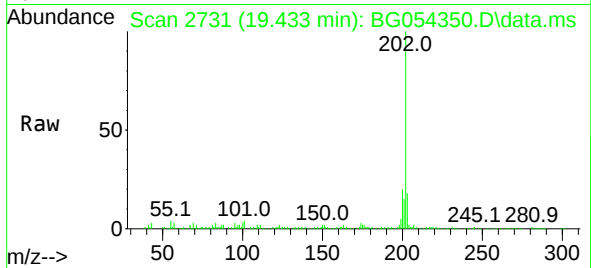
Tgt Ion:178 Resp: 53766
Ion Ratio Lower Upper
178 100
176 18.7 14.1 21.1
179 16.1 12.1 18.1





#75
Fluoranthene
Concen: 9.959 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

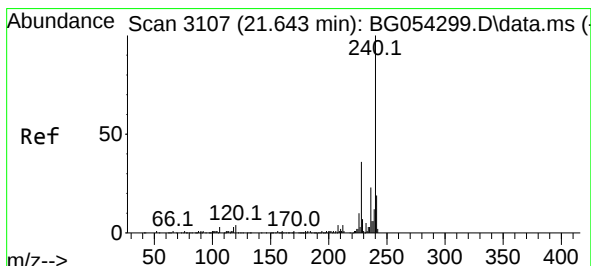
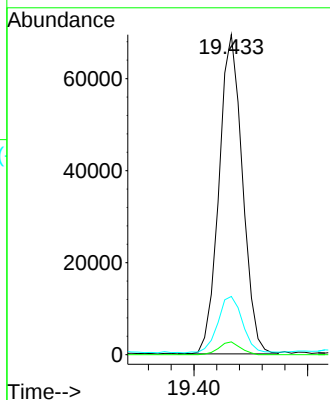
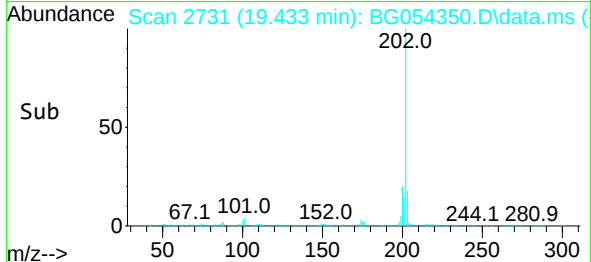
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



Tgt Ion:202 Resp: 9948
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.2 0.0 37.2

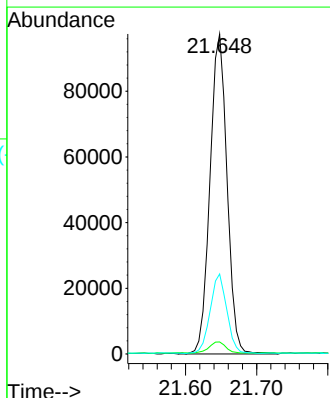
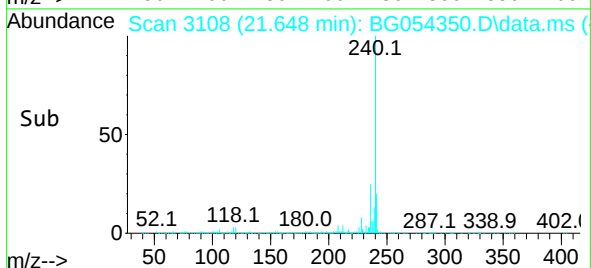
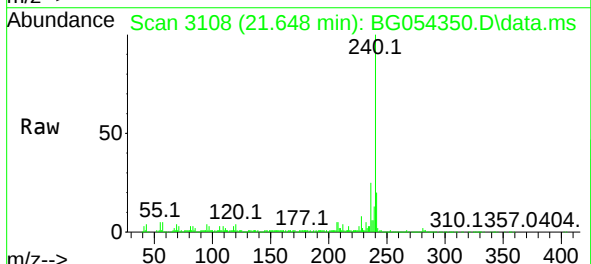
Manual Integrations
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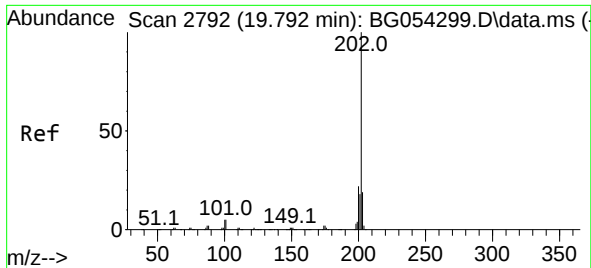
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3108
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

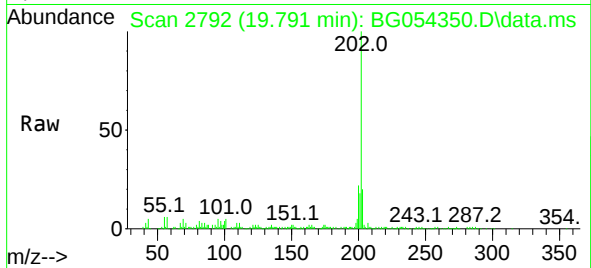
Tgt Ion:240 Resp: 162579
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4





#78
Pyrene
Concen: 9.380 ng
RT: 19.791 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

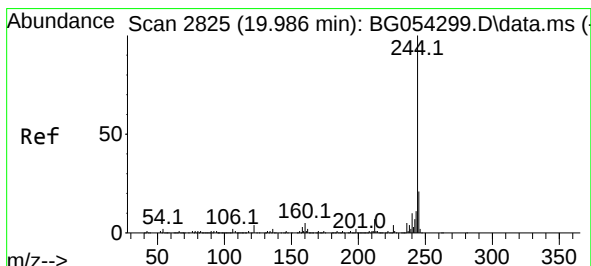
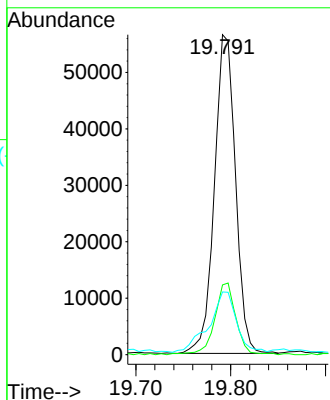
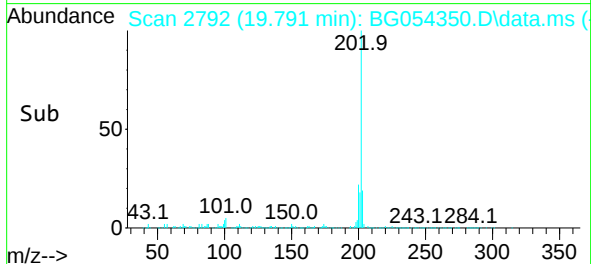
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



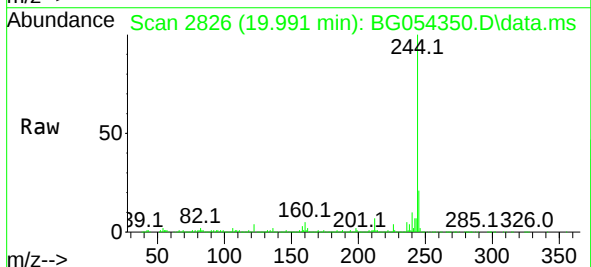
Tgt Ion:202 Resp: 8750
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.6 14.6 21.8

Manual Integrations
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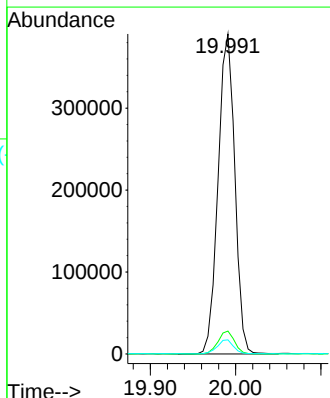
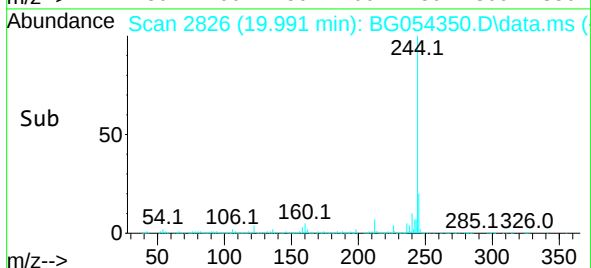
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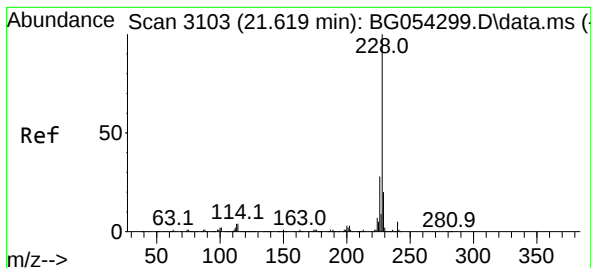


#79
Terphenyl-d14
Concen: 65.008 ng
RT: 19.991 min Scan# 2826
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29



Tgt Ion:244 Resp: 532760
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.4 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 5.581 ng

RT: 21.624 min Scan# 3104

Delta R.T. 0.005 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B

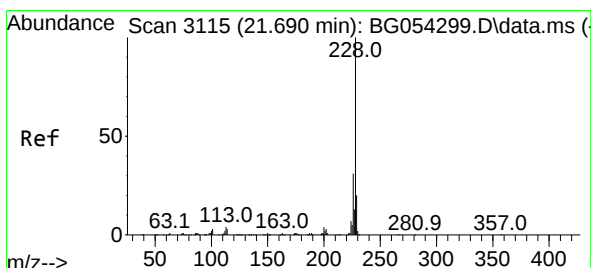
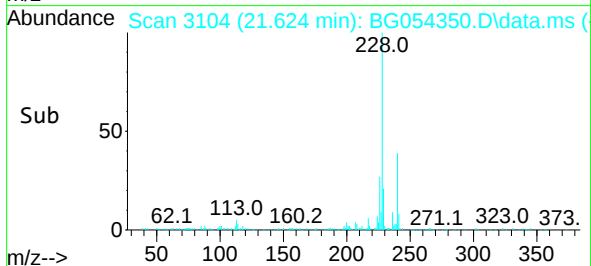
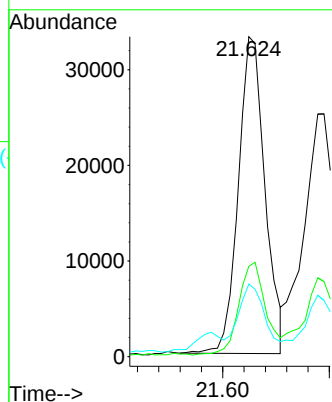
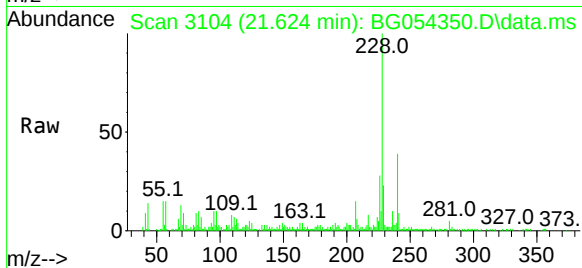
Tgt Ion:228	Resp:	57598
Ion Ratio	Lower	Upper
228	100	
226	28.2	21.6 32.4
229	22.7	16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#83

Chrysene

Concen: 5.294 ng m

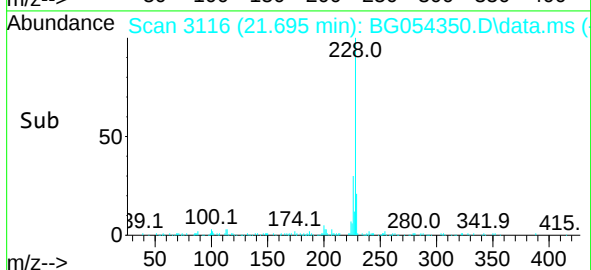
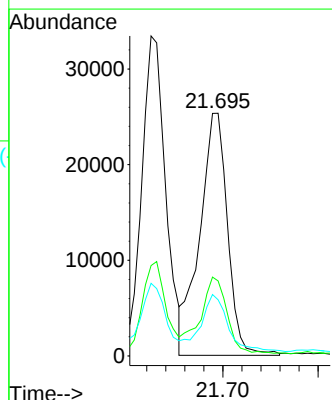
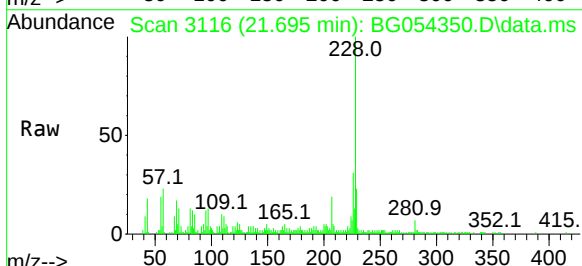
RT: 21.695 min Scan# 3116

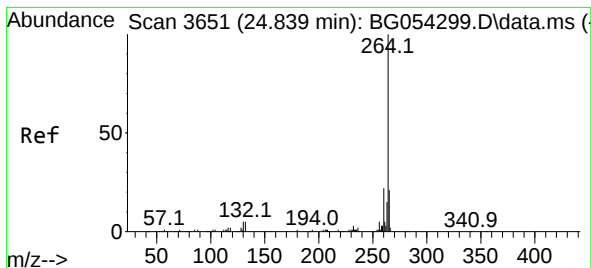
Delta R.T. 0.005 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Tgt Ion:228	Resp:	51615
Ion Ratio	Lower	Upper
228	100	
226	30.9	23.4 35.2
229	23.1	15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.856 min Scan# 30

Delta R.T. 0.017 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B

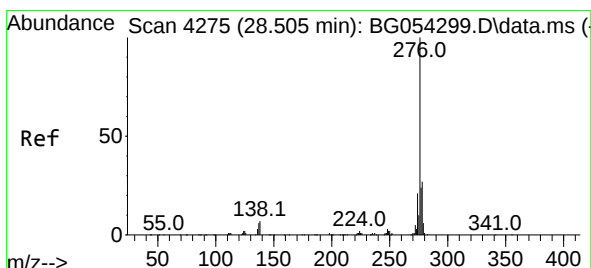
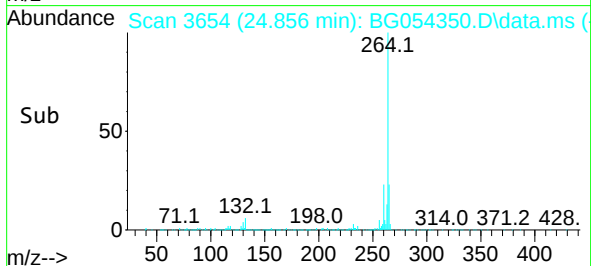
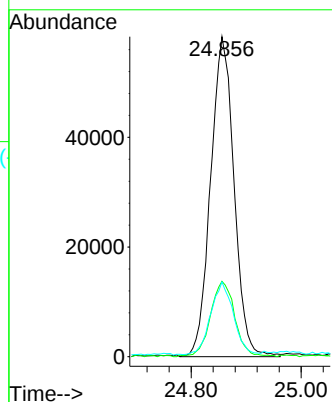
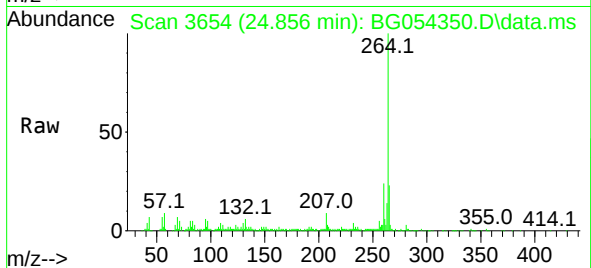
Tgt Ion:264	Resp:	172650
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.0 28.6
265	23.3	17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.617 ng

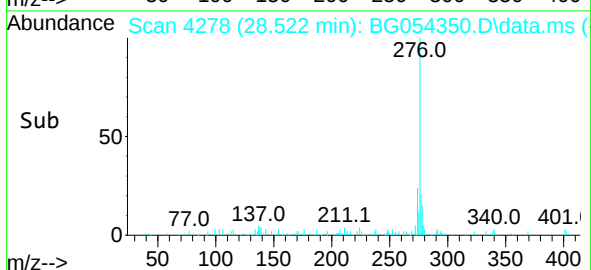
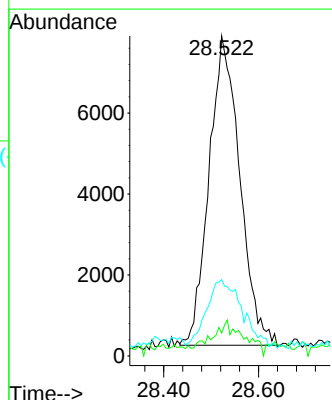
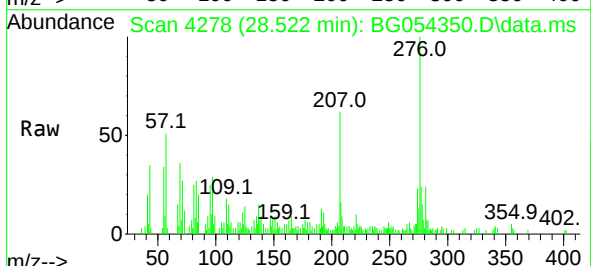
RT: 28.522 min Scan# 4278

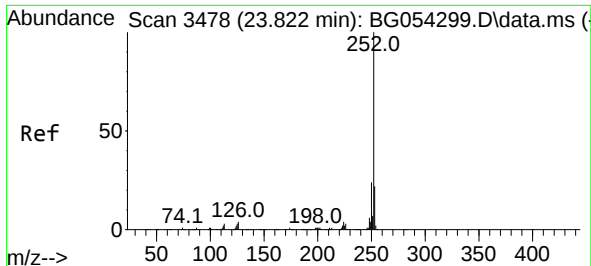
Delta R.T. 0.017 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

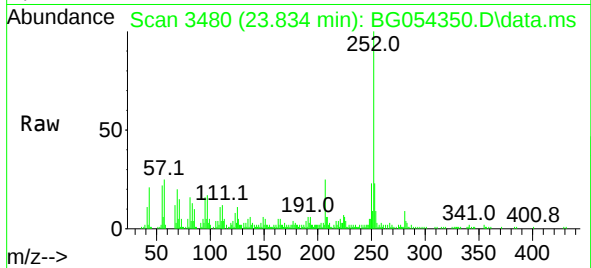
Tgt Ion:276	Resp:	34370
Ion Ratio	Lower	Upper
276	100	
138	6.7	5.0 7.4
277	27.0	20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.549 ng
RT: 23.834 min Scan# 3478
Delta R.T. 0.011 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

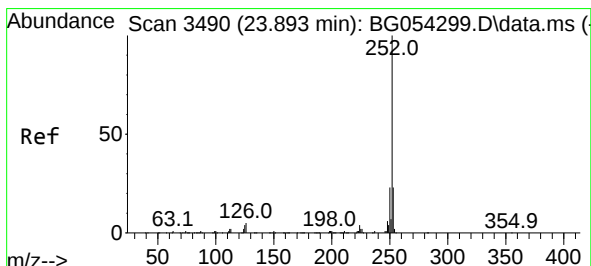
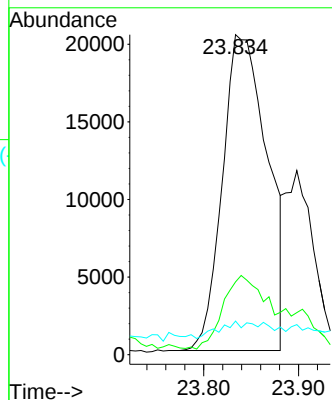
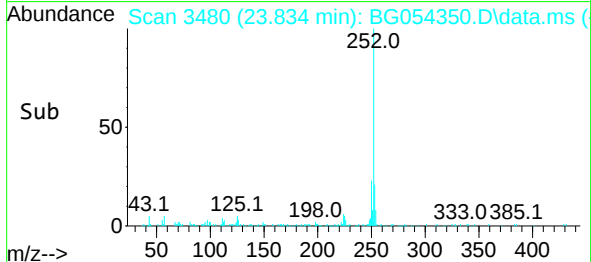
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B



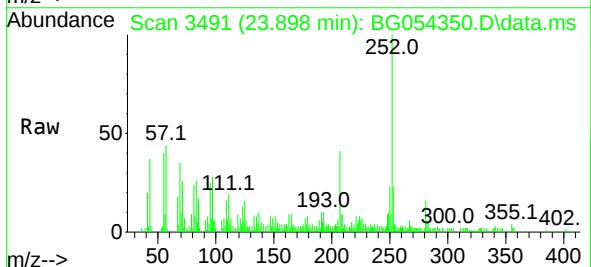
Tgt Ion:252 Resp: 66872
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.5 4.6 6.8

Manual Integrations
APPROVED

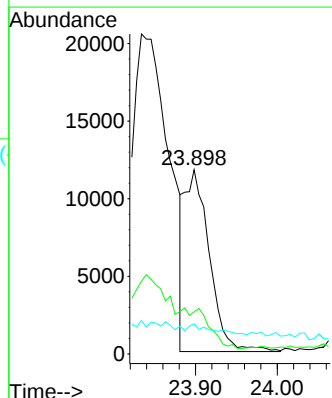
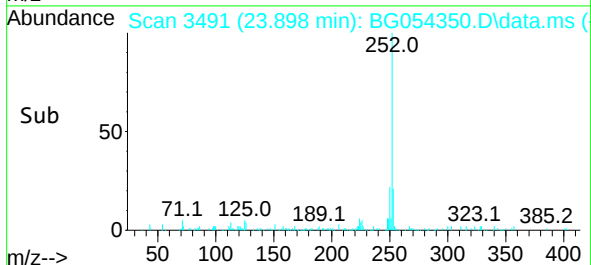
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

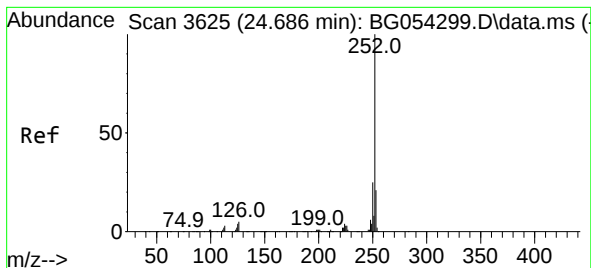


#89
Benzo(k)fluoranthene
Concen: 2.448 ng m
RT: 23.898 min Scan# 3491
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29



Tgt Ion:252 Resp: 24876
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 16.3 4.8 7.2





#90

Benzo(a)pyrene

Concen: 5.684 ng

RT: 24.703 min Scan# 30

Delta R.T. 0.017 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B

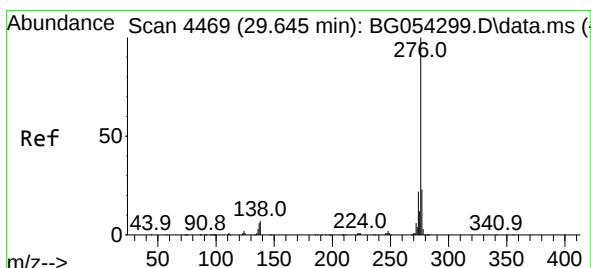
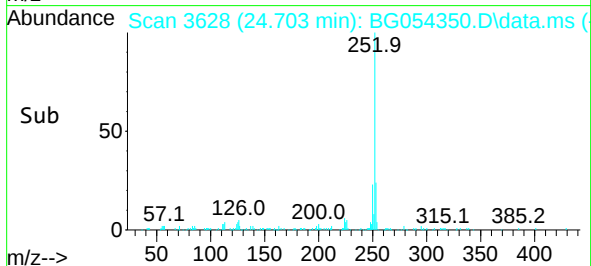
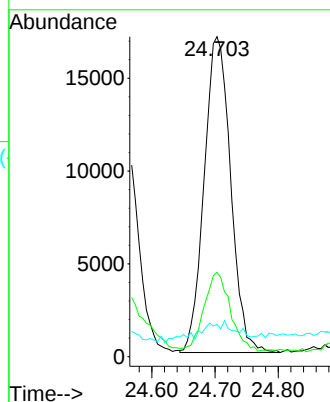
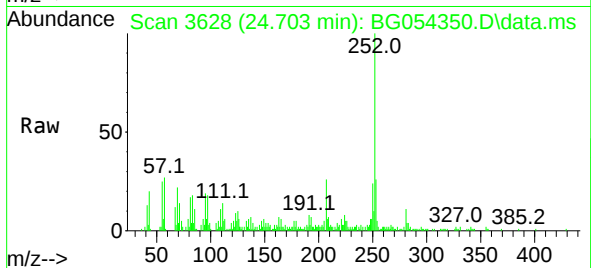
Tgt Ion:	252	Resp:	4956
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.8
125	10.1	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#92

Benzo(g,h,i)perylene

Concen: 3.234 ng

RT: 29.674 min Scan# 4474

Delta R.T. 0.029 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Tgt Ion:	276	Resp:	34469
Ion Ratio	Lower	Upper	
276	100		
277	27.9	17.3	25.9#
138	8.6	9.6	14.4#

