

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101722\
 Data File : BG055199.D
 Acq On : 17 Oct 2022 19:28
 Operator : CG/JU
 Sample : N5150-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/18/2022
 Supervised By : Jagrut Upadhyay 10/18/2022

Quant Time: Oct 18 04:42:48 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	8.300	152	27445	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	116340	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	86916	20.000	ng	0.00
64) Phenanthrene-d10	17.642	188	205341	20.000	ng	0.00
76) Chrysene-d12	21.925	240	190234	20.000	ng	0.00
86) Perylene-d12	25.351	264	203775	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.821	112	217282	154.894	ng	0.00
7) Phenol-d6	7.437	99	293648	141.511	ng	0.00
23) Nitrobenzene-d5	9.469	82	187562	86.453	ng	0.00
42) 2,4,6-Tribromophenol	16.385	330	179322	143.586	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	488524	91.816	ng	0.00
79) Terphenyl-d14	20.216	244	845297	89.492	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.683	178	54461	5.113	ng	97
75) Fluoranthene	19.675	202	106608	8.007	ng	98
78) Pyrene	20.034	202	94403	7.444	ng	98
81) Benzo(a)anthracene	21.902	228	42484	3.490	ng	99
83) Chrysene	21.972	228	44200m	3.850	ng	
87) Indeno(1,2,3-cd)pyrene	29.276	276	31307	2.074	ng	# 81
88) Benzo(b)fluoranthene	24.252	252	56354	4.640	ng	# 97
90) Benzo(a)pyrene	25.186	252	42262	4.069	ng	97
92) Benzo(g,h,i)perylene	30.504	276	29478	2.409	ng	95

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

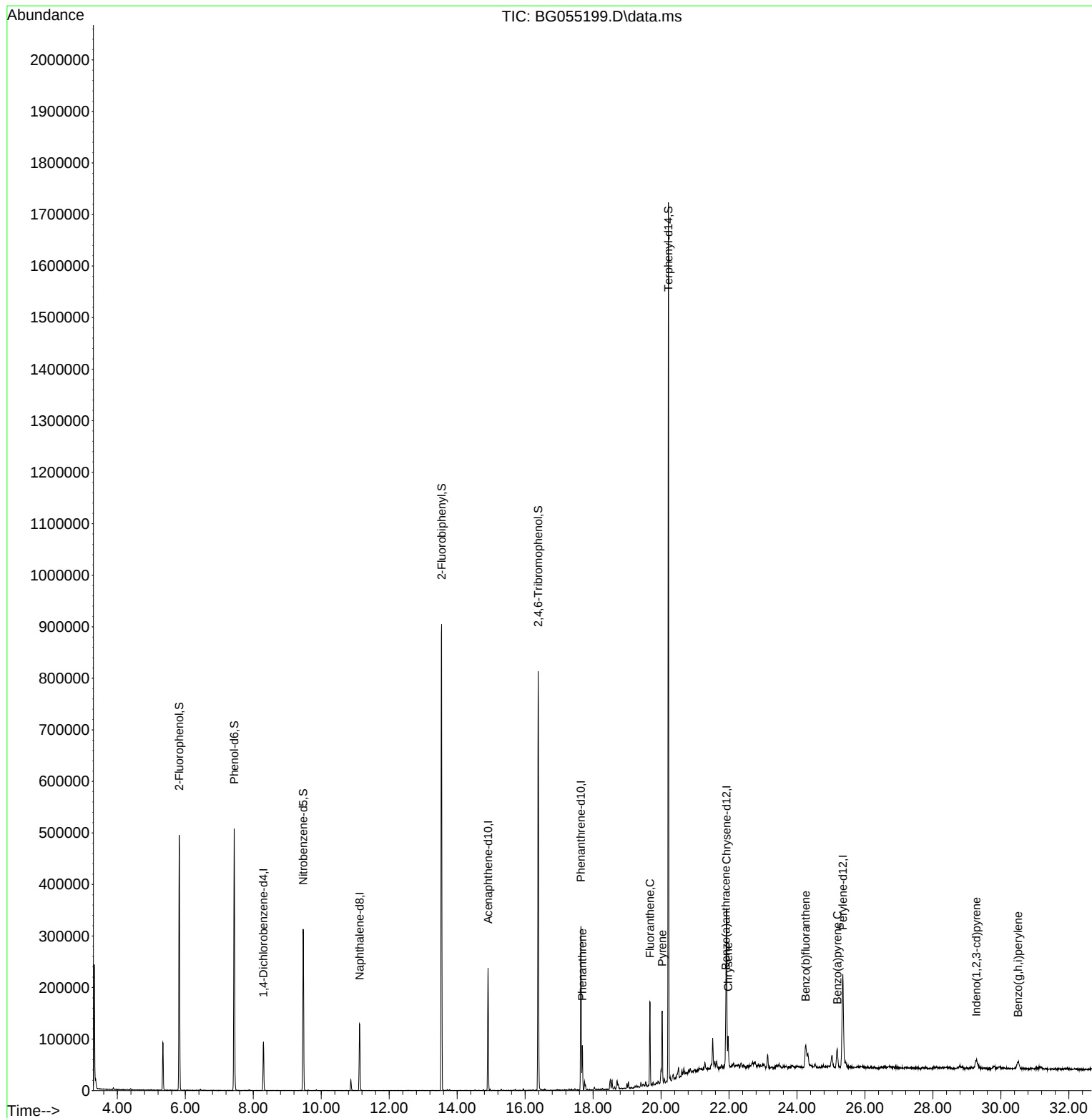
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101722\
Data File : BG055199.D
Acq On : 17 Oct 2022 19:28
Operator : CG/JU
Sample : N5150-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

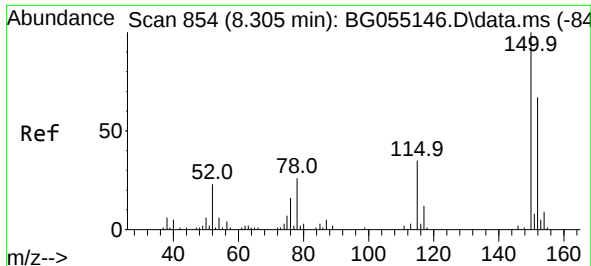
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

Quant Time: Oct 18 04:42:48 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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Response via : Initial Calibration

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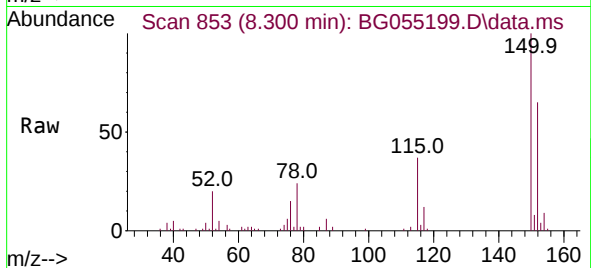
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.300 min Scan# 854
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

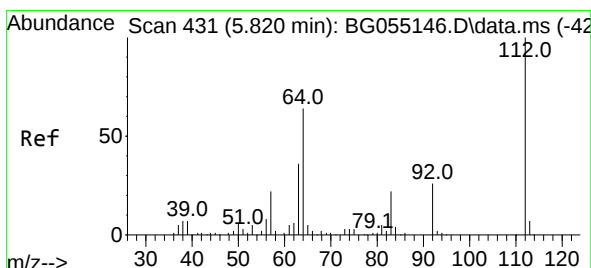
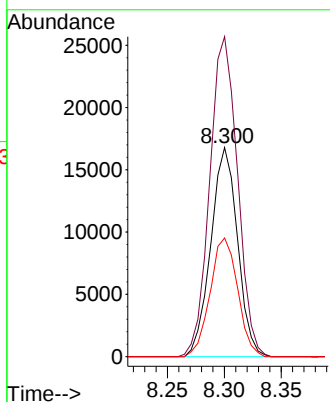
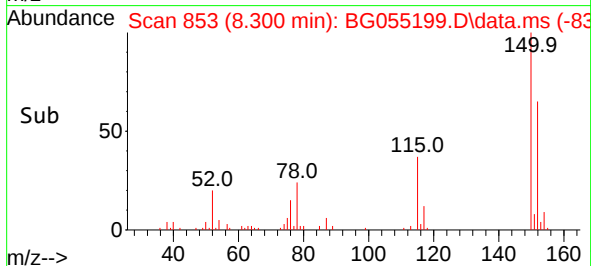
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



Tgt Ion:152 Resp: 27445
Ion Ratio Lower Upper
152 100
150 153.0 119.7 179.5
115 56.7 42.4 63.6

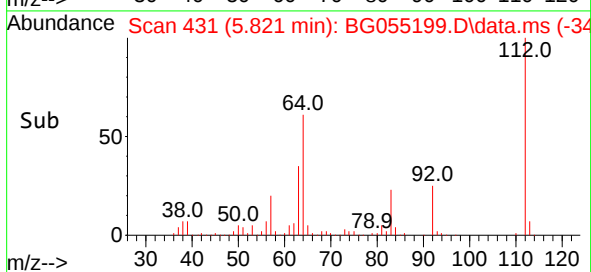
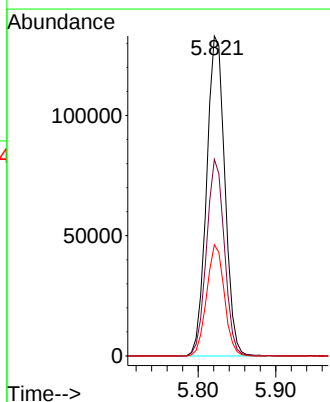
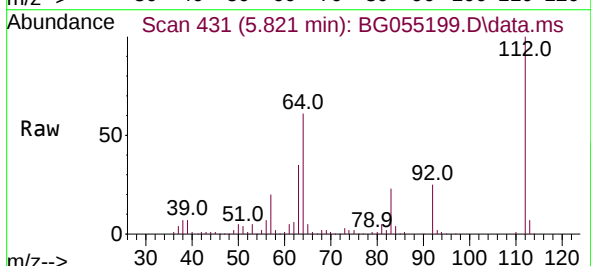
Manual Integrations
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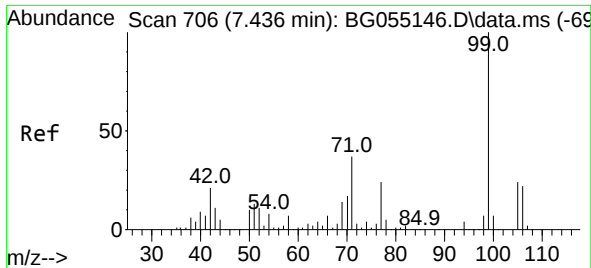
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#5
2-Fluorophenol
Concen: 154.894 ng
RT: 5.821 min Scan# 431
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:112 Resp: 217282
Ion Ratio Lower Upper
112 100
64 61.4 50.9 76.3
63 34.7 29.0 43.6





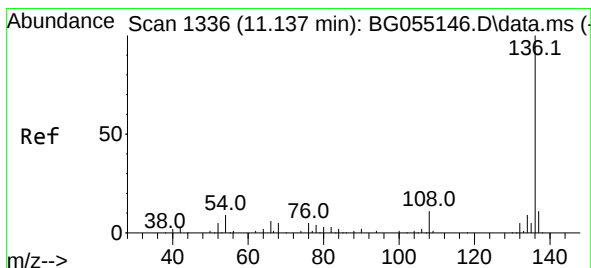
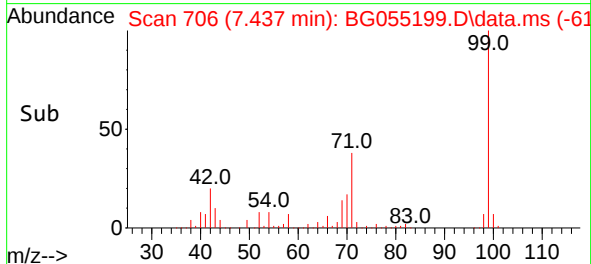
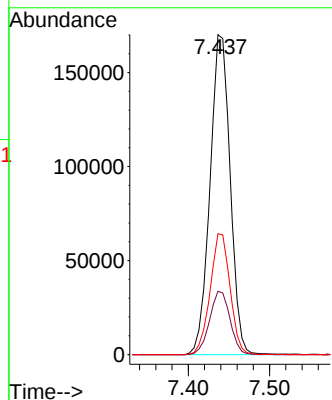
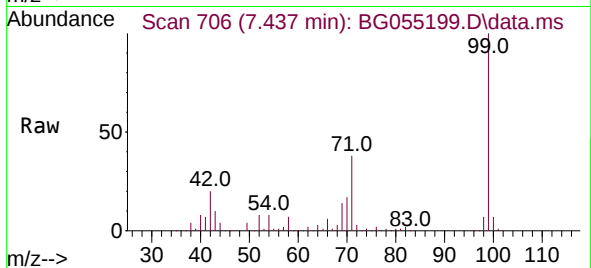
#7
Phenol-d6
Concen: 141.511 ng
RT: 7.437 min Scan# 706
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

Tgt Ion: 99 Resp: 293648
Ion Ratio Lower Upper
99 100
42 19.8 16.6 25.0
71 37.8 29.6 44.4

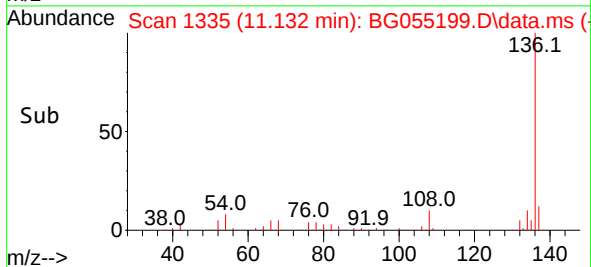
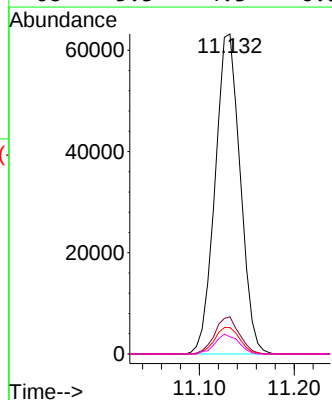
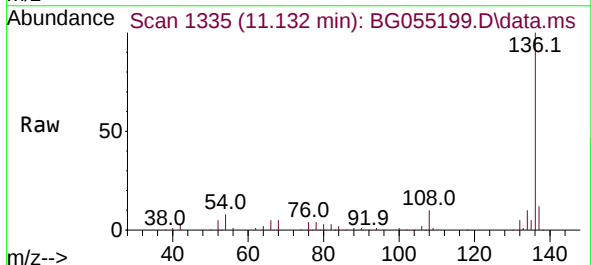
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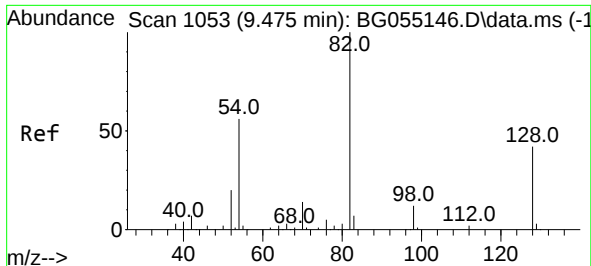
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Tgt Ion:136 Resp: 116340
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 8.2 7.0 10.6
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 86.453 ng

RT: 9.469 min Scan# 1052

Delta R.T. -0.005 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

WC-C2(0-6)

Tgt Ion: 82 Resp: 187562

Ion Ratio Lower Upper

82 100

128 42.5 33.5 50.3

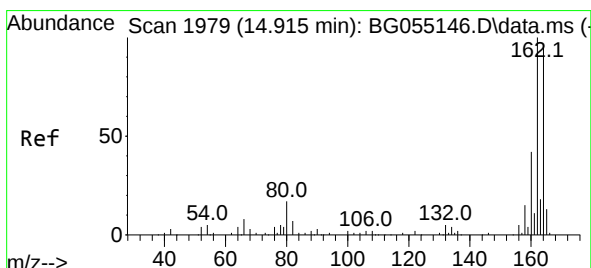
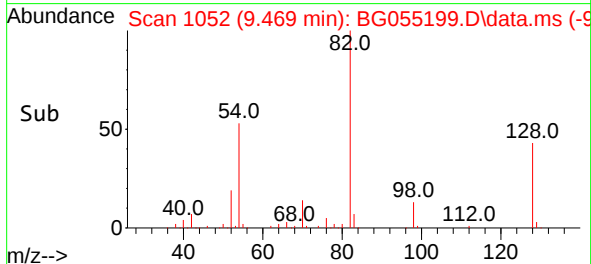
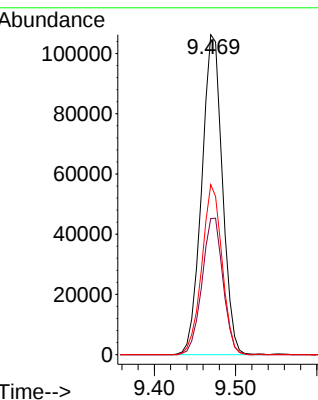
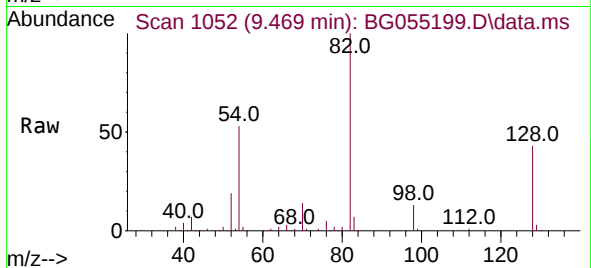
54 53.1 44.7 67.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.910 min Scan# 1978

Delta R.T. -0.005 min

Lab File: BG055199.D

Acq: 17 Oct 2022 19:28

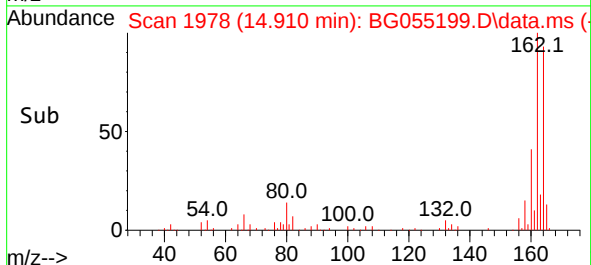
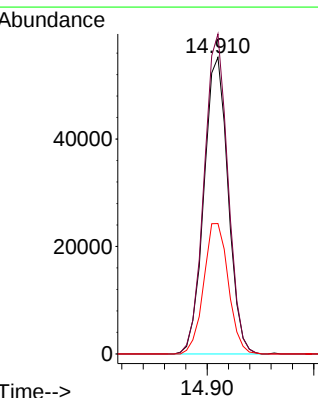
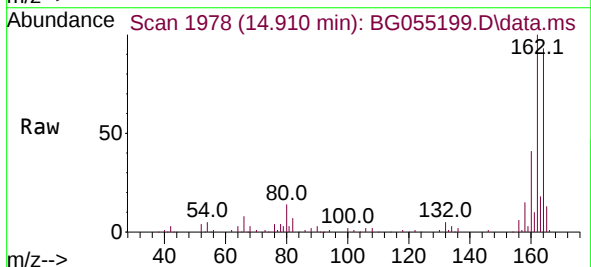
Tgt Ion:164 Resp: 86916

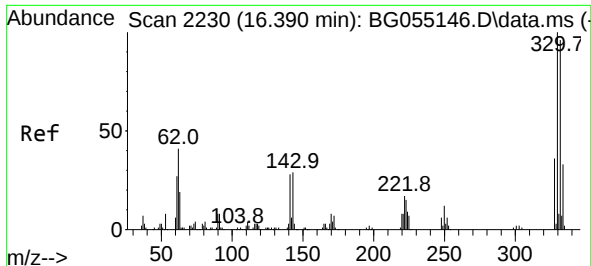
Ion Ratio Lower Upper

164 100

162 107.9 83.3 124.9

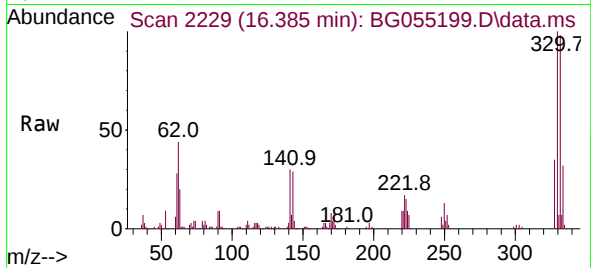
160 43.9 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 143.586 ng
RT: 16.385 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

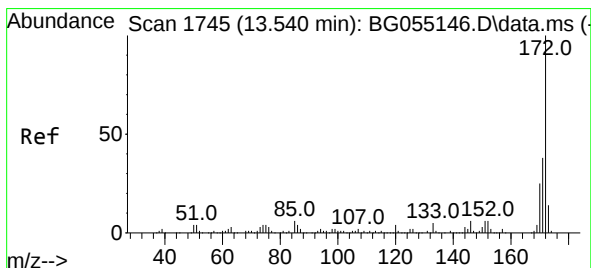
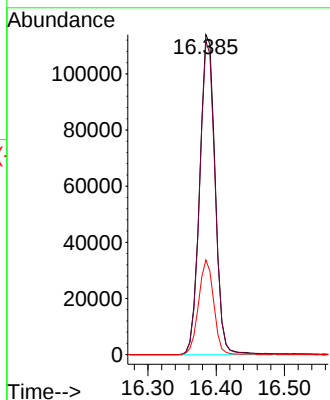
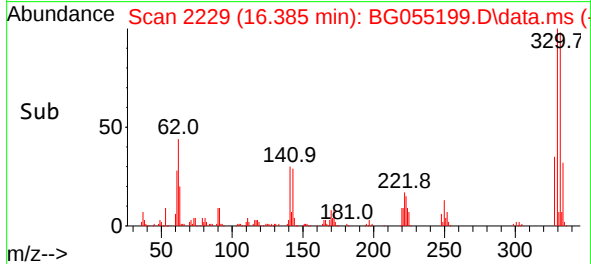
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



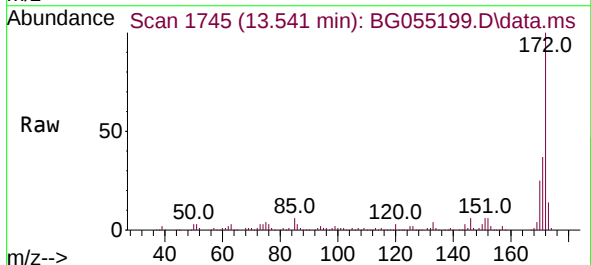
Tgt Ion:330 Resp: 179322
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.4
141 29.0 24.6 36.8

Manual Integrations
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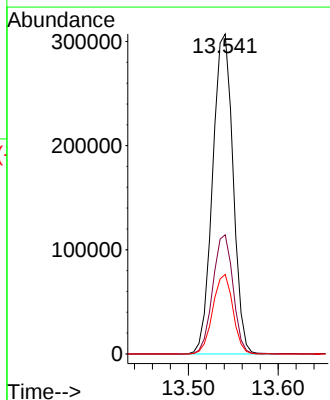
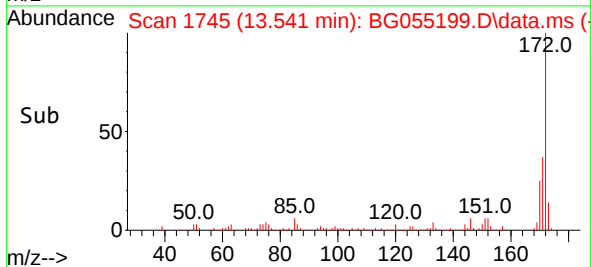
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022

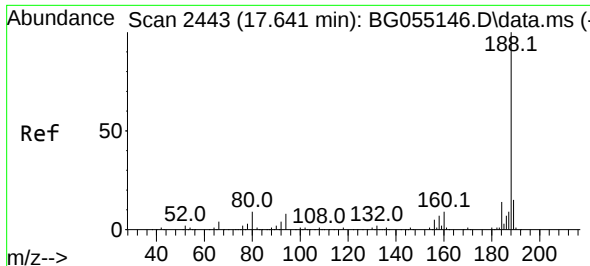


#45
2-Fluorobiphenyl
Concen: 91.816 ng
RT: 13.541 min Scan# 1745
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28



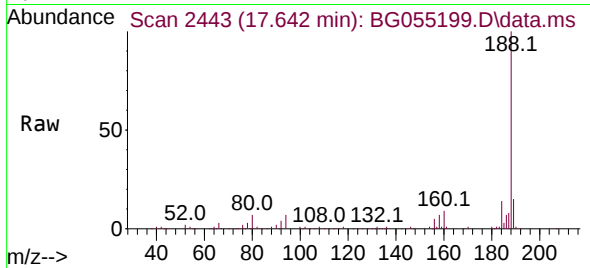
Tgt Ion:172 Resp: 488524
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 24.8 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

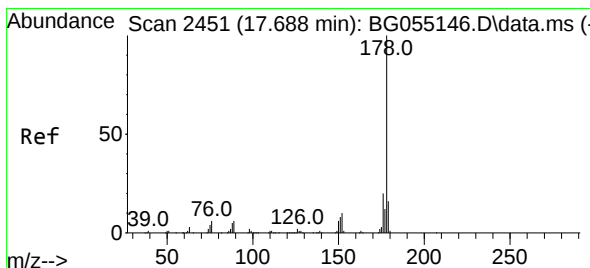
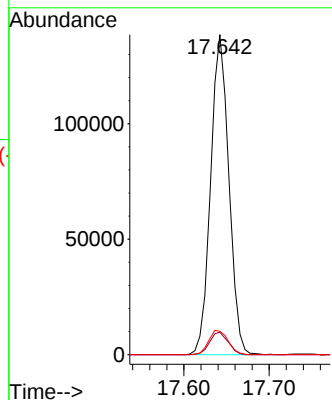
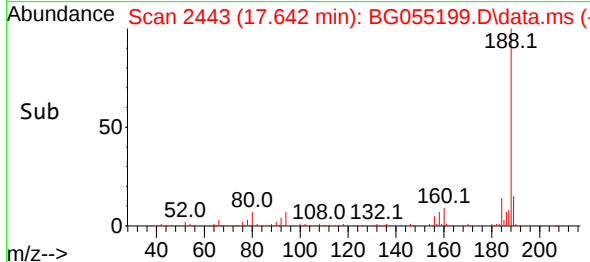
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



Tgt Ion:188 Resp: 20534
Ion Ratio Lower Upper
188 100
94 7.0 6.2 9.2
80 7.3 7.0 10.6

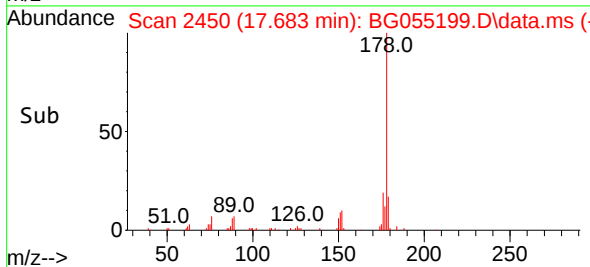
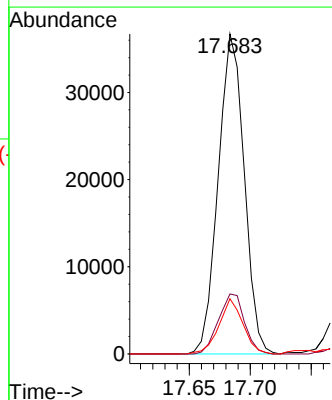
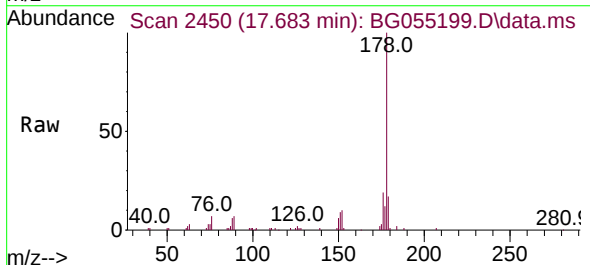
Manual Integrations
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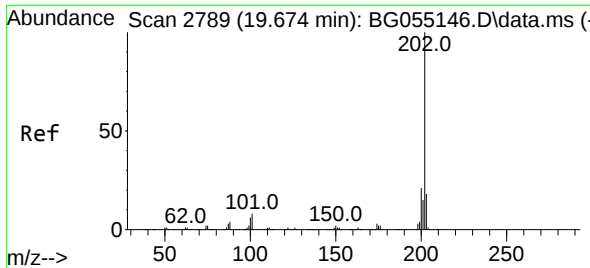
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#71
Phenanthrene
Concen: 5.113 ng
RT: 17.683 min Scan# 2450
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

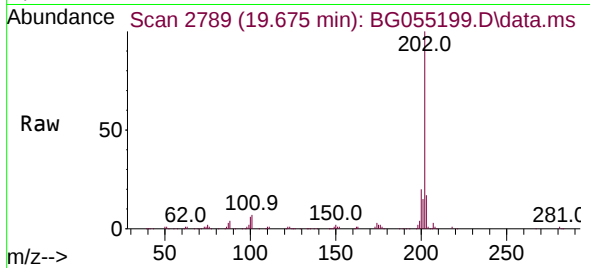
Tgt Ion:178 Resp: 54461
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 17.2 12.7 19.1





#75
Fluoranthene
Concen: 8.007 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

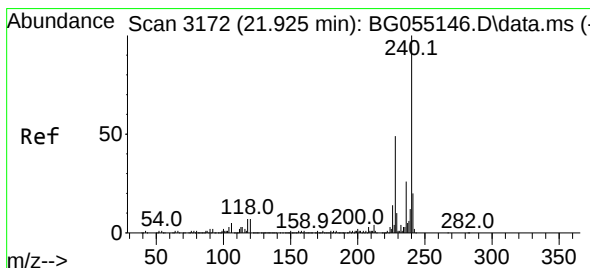
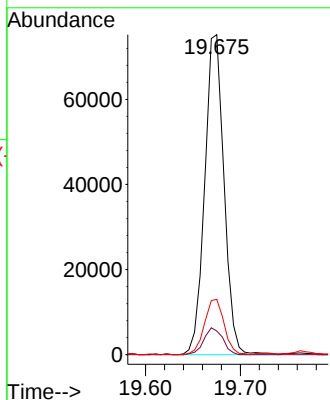
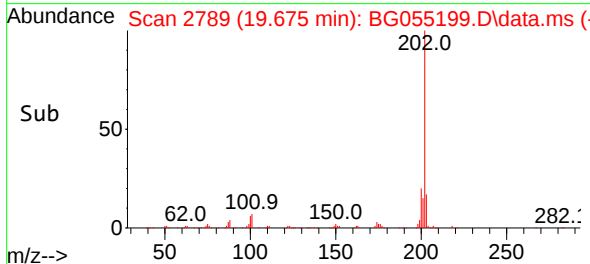
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



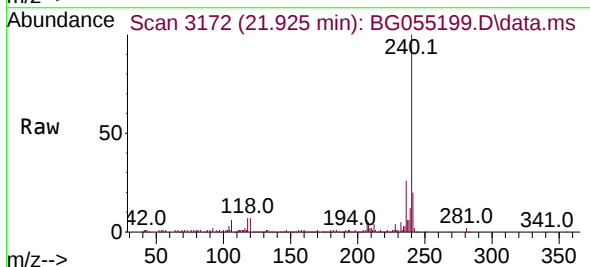
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Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.4
203 17.3 0.0 37.8

Manual Integrations
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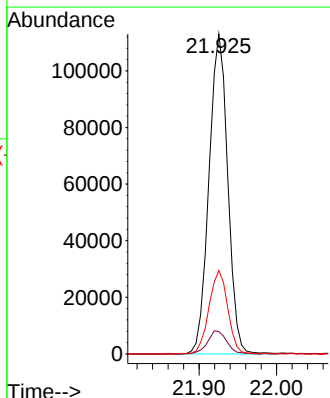
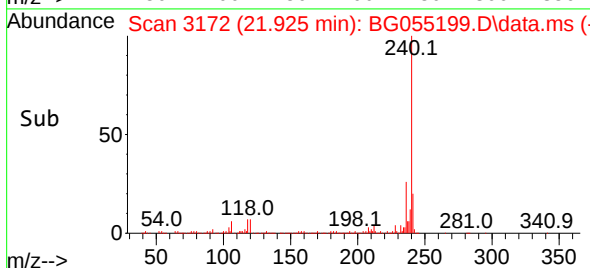
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022

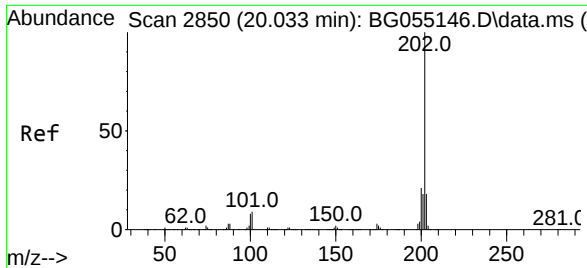


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28



Tgt Ion:240 Resp: 190234
Ion Ratio Lower Upper
240 100
120 7.0 5.4 8.0
236 26.0 20.6 31.0





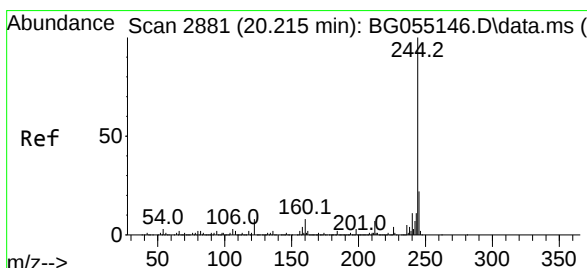
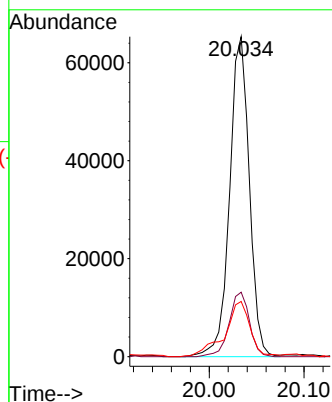
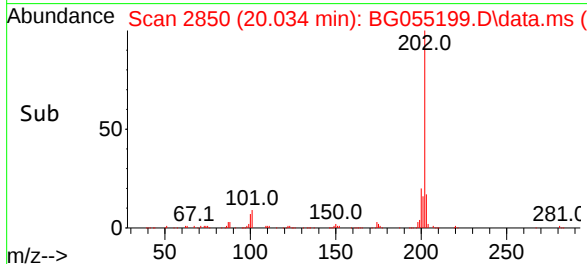
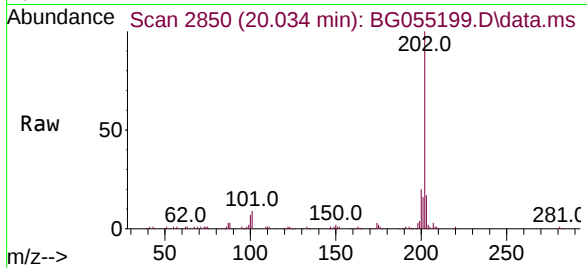
#78
Pyrene
Concen: 7.444 ng
RT: 20.034 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)

Tgt Ion:202 Resp: 94403
Ion Ratio Lower Upper
202 100
200 20.1 16.9 25.3
203 17.2 14.4 21.6

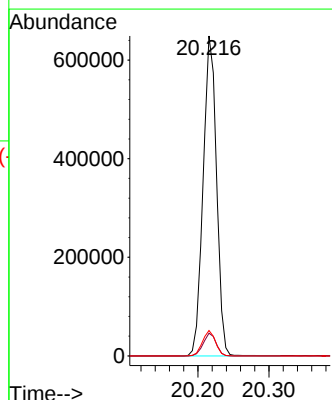
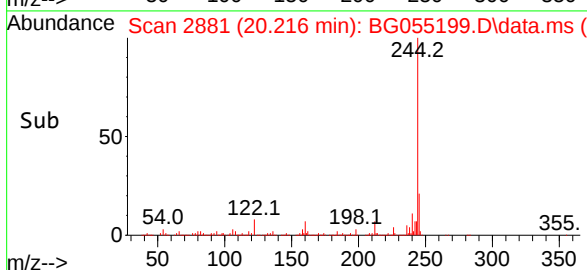
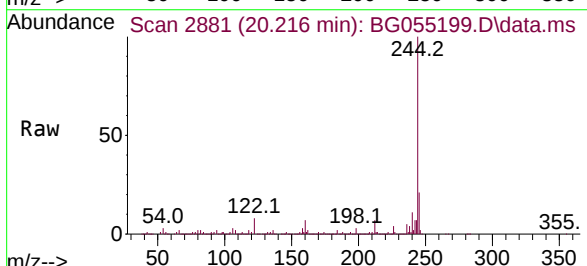
Manual Integrations
APPROVED

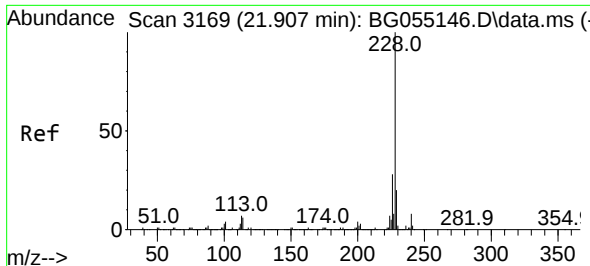
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#79
Terphenyl-d14
Concen: 89.492 ng
RT: 20.216 min Scan# 2881
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

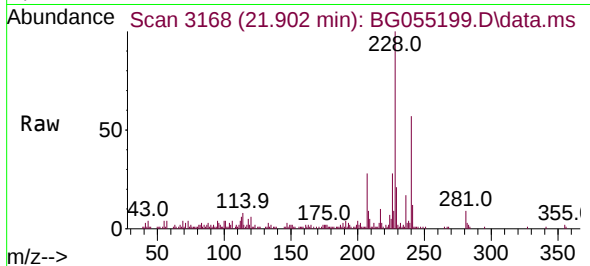
Tgt Ion:244 Resp: 845297
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 7.9 6.6 10.0





#81
Benzo(a)anthracene
Concen: 3.490 ng
RT: 21.902 min Scan# 3168
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

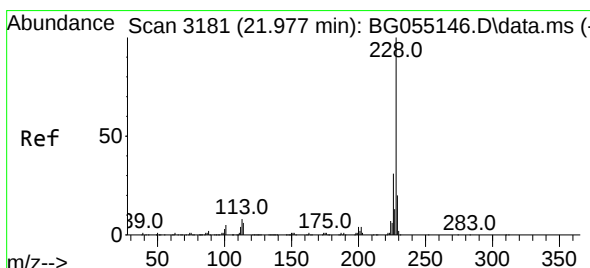
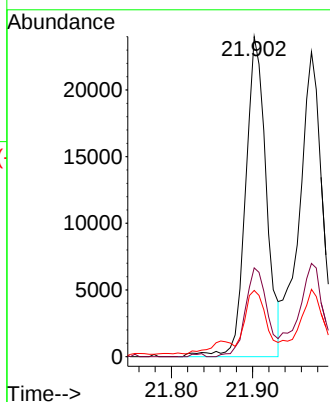
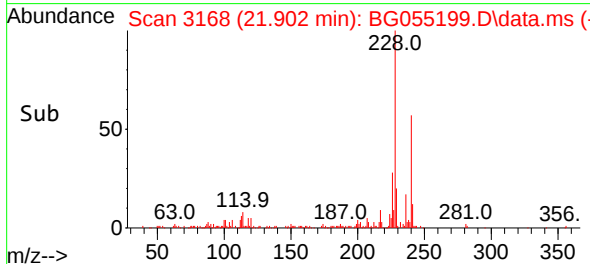
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



Tgt Ion:228 Resp: 42484
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 20.7 16.2 24.4

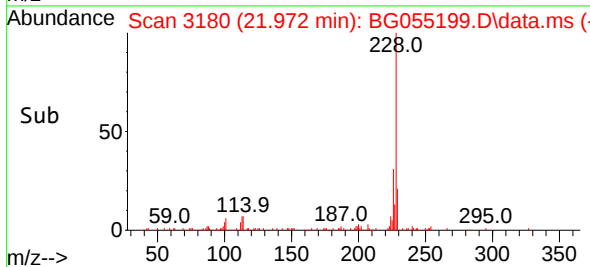
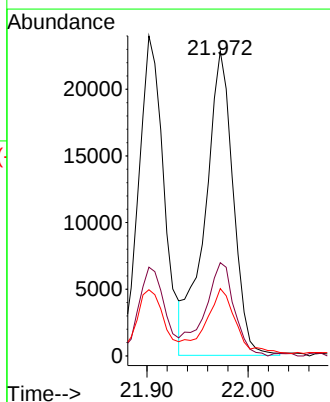
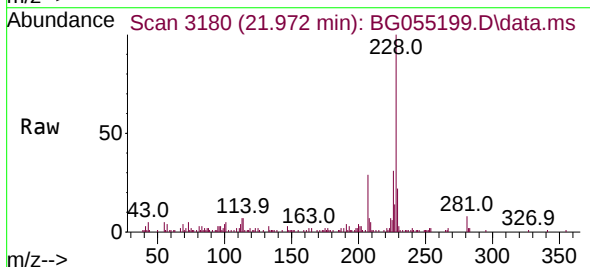
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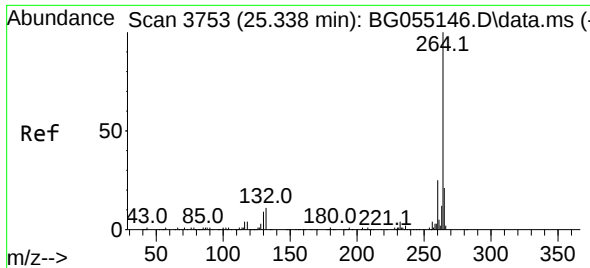
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#83
Chrysene
Concen: 3.850 ng m
RT: 21.972 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

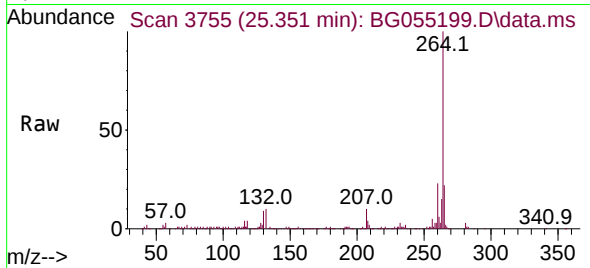
Tgt Ion:228 Resp: 44200
Ion Ratio Lower Upper
228 100
226 30.6 25.1 37.7
229 22.1 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.351 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

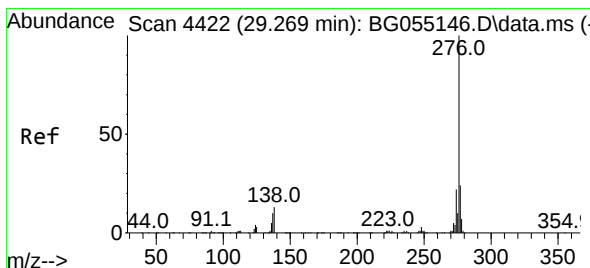
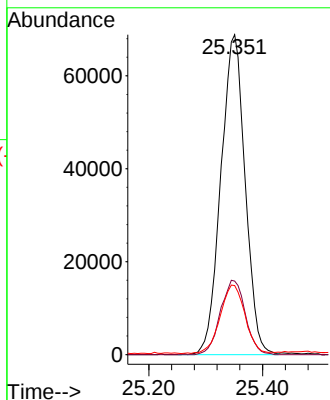
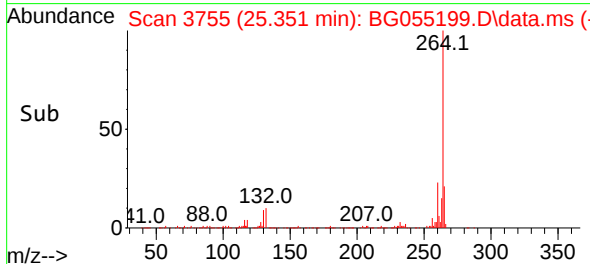
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



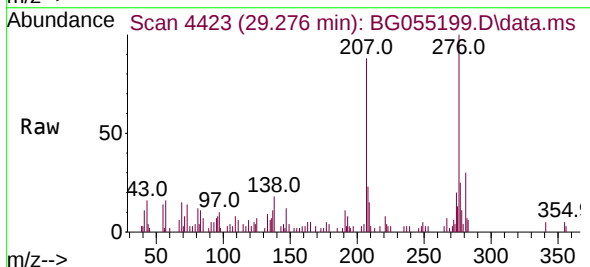
Tgt Ion:264 Resp: 203775
Ion Ratio Lower Upper
264 100
260 23.0 20.1 30.1
265 21.6 16.8 25.2

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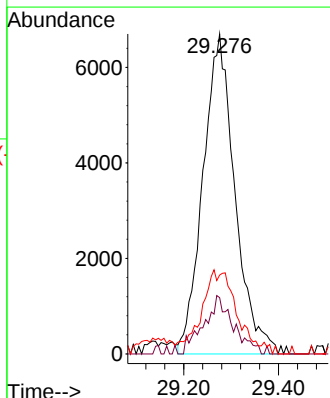
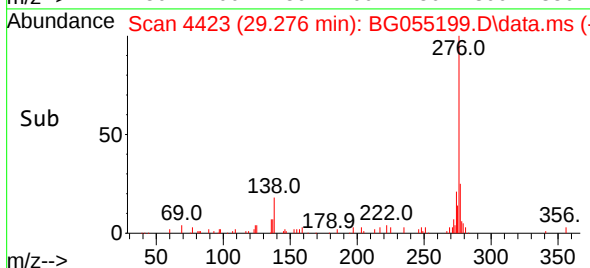
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022

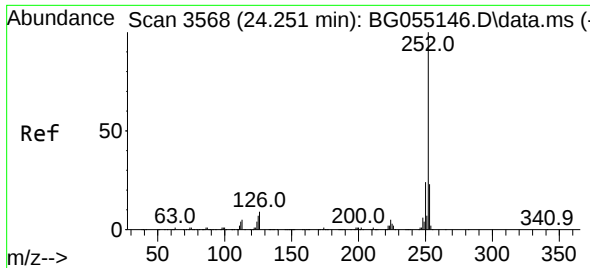


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.074 ng
RT: 29.276 min Scan# 4423
Delta R.T. 0.007 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28



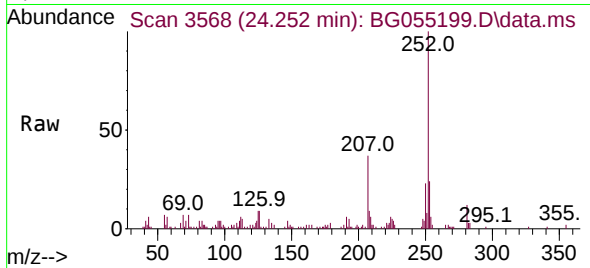
Tgt Ion:276 Resp: 31307
Ion Ratio Lower Upper
276 100
138 16.8 13.4 20.0
277 9.7 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.252 min Scan# 3568
Delta R.T. 0.001 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

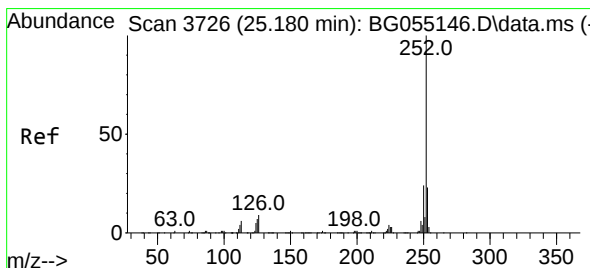
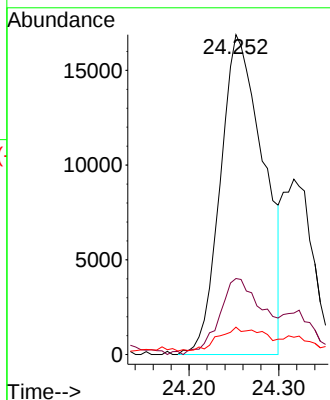
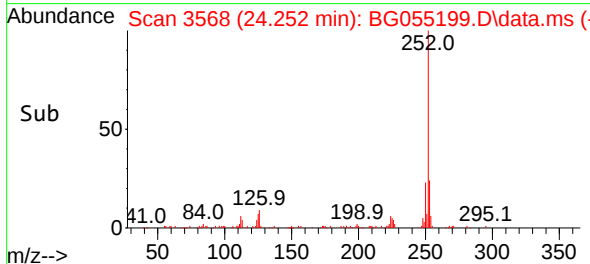
Instrument :
BNA_G
ClientSampleId :
WC-C2(0-6)



Tgt Ion:252 Resp: 56354
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 8.6 5.7 8.5

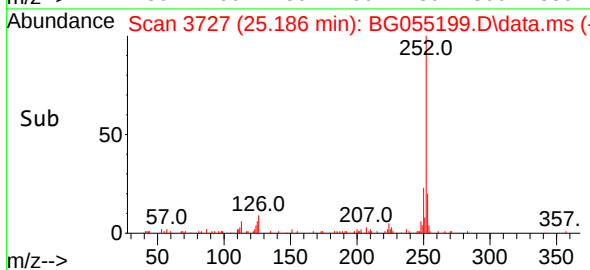
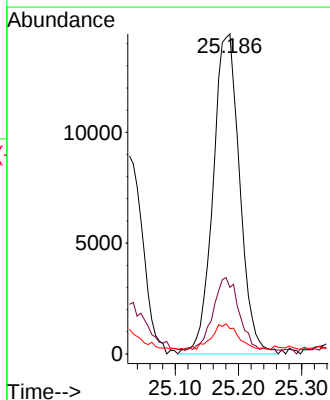
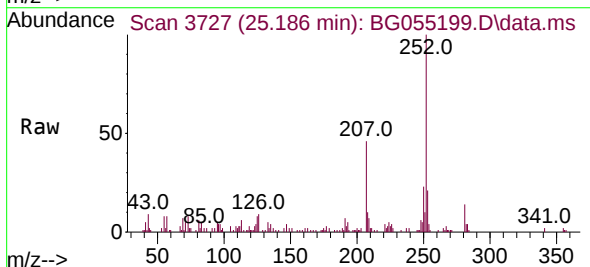
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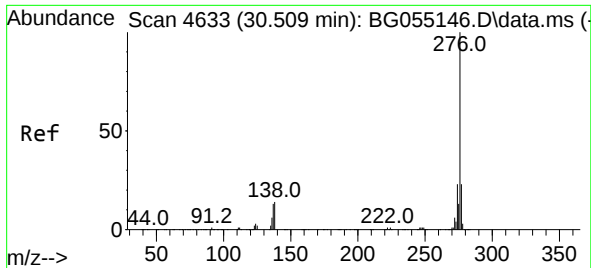
Reviewed By :Christian Giraldo 10/18/2022
Supervised By :Jagrut Upadhyay 10/18/2022



#90
Benzo(a)pyrene
Concen: 4.069 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.007 min
Lab File: BG055199.D
Acq: 17 Oct 2022 19:28

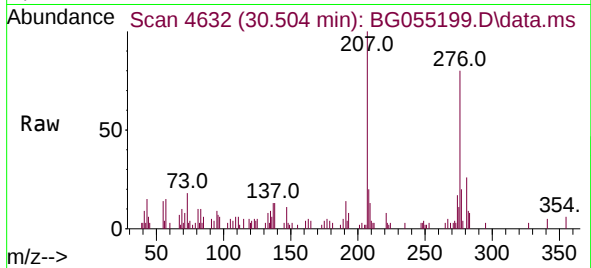
Tgt Ion:252 Resp: 42262
Ion Ratio Lower Upper
252 100
253 20.8 18.2 27.2
125 7.9 5.8 8.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.409 ng
 RT: 30.504 min Scan# 4633
 Delta R.T. -0.005 min
 Lab File: BG055199.D
 Acq: 17 Oct 2022 19:28

Instrument :
 BNA_G
 ClientSampleId :
 WC-C2(0-6)



Tgt Ion:	276	Resp:	29478
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.4	27.6
138	16.4	11.2	16.8

Manual Integrations
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Reviewed By :Christian Giraldo 10/18/2022
 Supervised By :Jagrut Upadhyay 10/18/2022

