

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055682.D
 Acq On : 18 Nov 2022 2:10
 Operator : CG/JU
 Sample : N5638-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-111522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

Quant Time: Nov 18 03:19:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	58455	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	232216	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	148679	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	311072	20.000	ng	0.00
76) Chrysene-d12	21.925	240	292058	20.000	ng	0.00
86) Perylene-d12	25.350	264	254375	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	172961	53.482	ng	0.00
7) Phenol-d6	7.401	99	221075	51.354	ng	0.01
23) Nitrobenzene-d5	9.422	82	137160	31.219	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	101411	48.439	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	338230	34.081	ng	0.00
79) Terphenyl-d14	20.215	244	490208	33.571	ng	0.01
Target Compounds						Qvalue
58) Fluorene	15.914	166	23328	2.089	ng	98
71) Phenanthrene	17.659	178	226666	13.503	ng	99
72) Anthracene	17.748	178	75655	4.638	ng	99
75) Fluoranthene	19.669	202	688137	33.695	ng	96
78) Pyrene	20.033	202	793955	40.162	ng	98
81) Benzo(a)anthracene	21.907	228	552934	27.488	ng	99
83) Chrysene	21.972	228	484470	25.299	ng	99
87) Indeno(1,2,3-cd)pyrene	29.281	276	146437	7.027	ng	95
88) Benzo(b)fluoranthene	24.258	252	562688	33.966	ng	98
89) Benzo(k)fluoranthene	24.316	252	257956m	15.621	ng	
90) Benzo(a)pyrene	25.186	252	415746	29.245	ng	97
91) Dibenzo(a,h)anthracene	29.334	278	36534	2.145	ng	# 79
92) Benzo(g,h,i)perylene	30.509	276	118689	6.915	ng	95

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

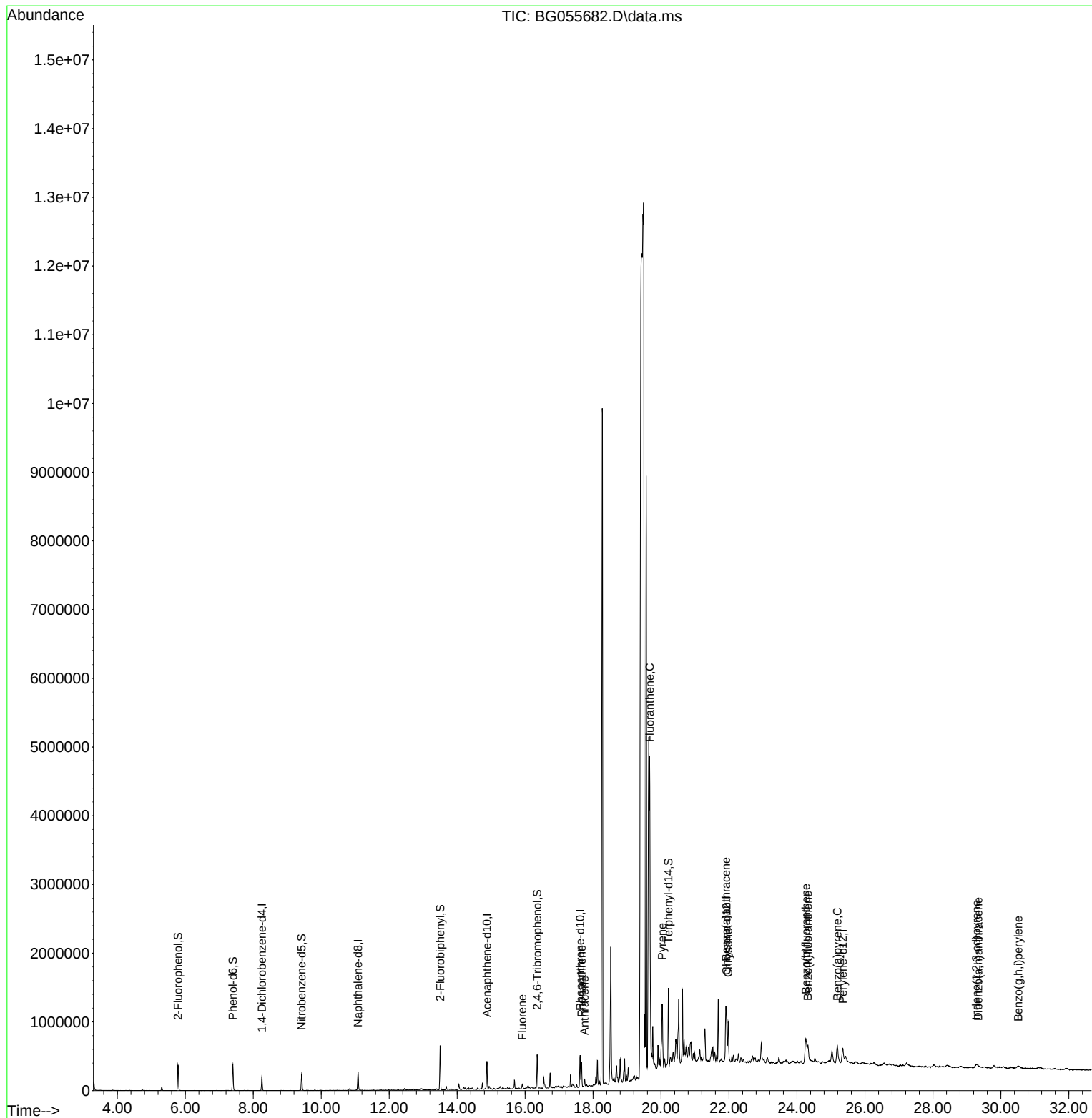
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
Data File : BG055682.D
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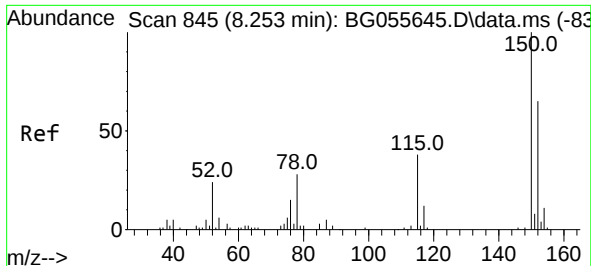
Instrument :
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Quant Time: Nov 18 03:19:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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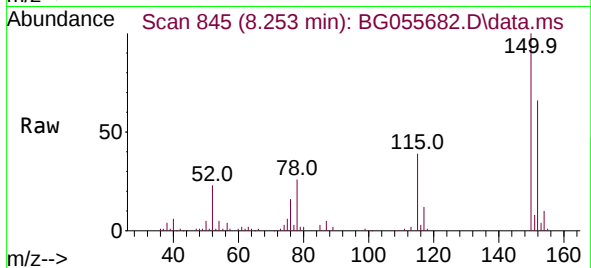
Reviewed By : Christian Giraldo 11/18/2022
Supervised By : Jagrut Upadhyay 11/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

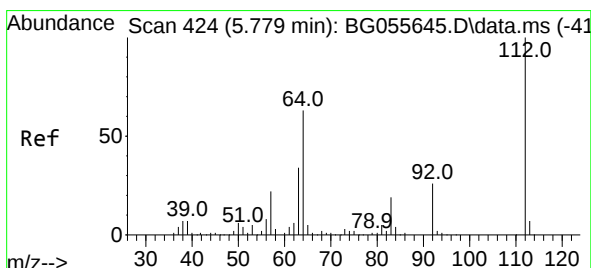
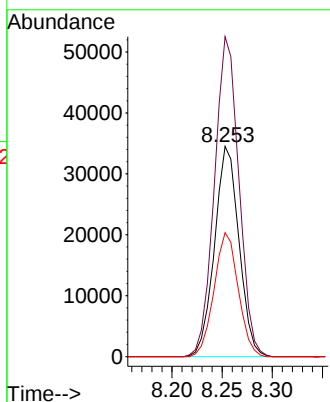
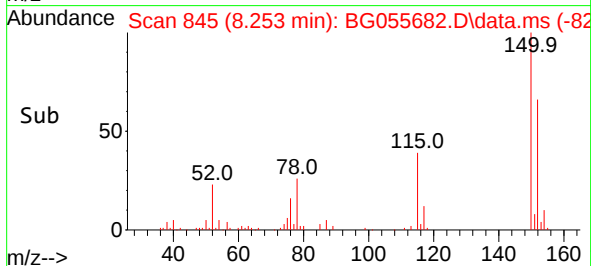
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BNA_G
ClientSampleId :
JC-3-111522



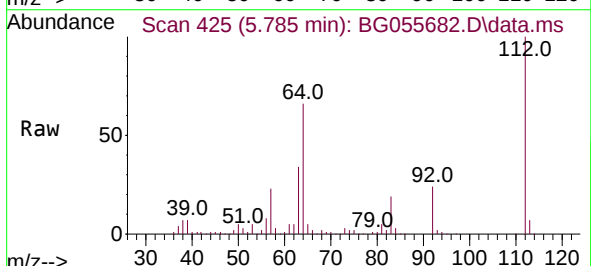
Tgt Ion:152 Resp: 5845
Ion Ratio Lower Upper
152 100
150 152.3 123.0 184.6
115 59.0 47.0 70.4

Manual Integrations
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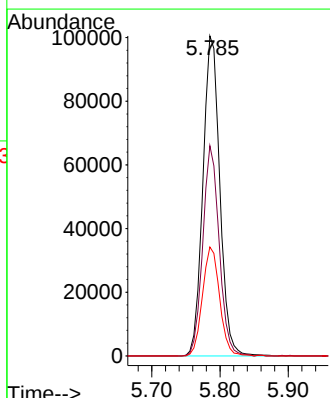
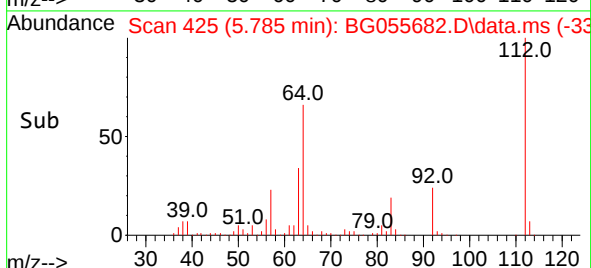
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

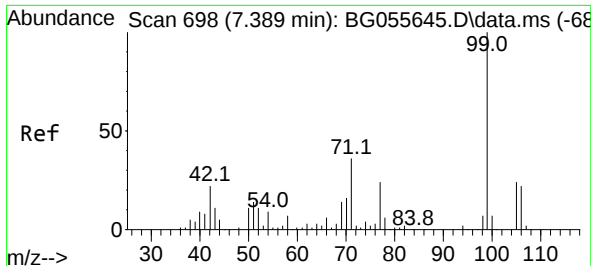


#5
2-Fluorophenol
Concen: 53.482 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



Tgt Ion:112 Resp: 172961
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 34.0 27.5 41.3





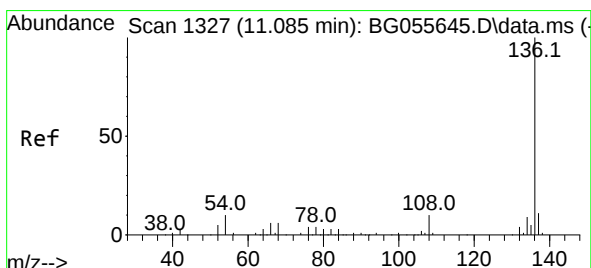
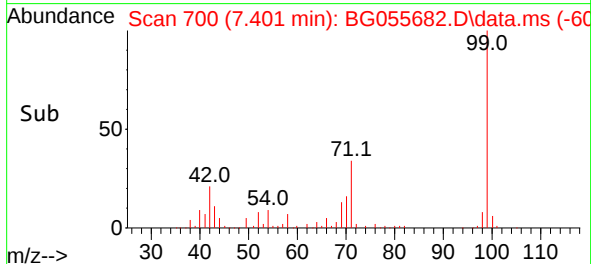
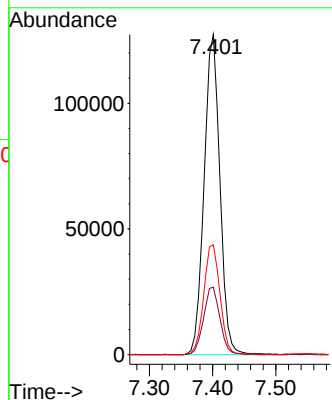
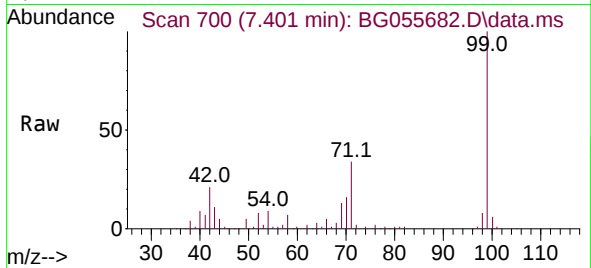
#7
Phenol-d6
Concen: 51.354 ng
RT: 7.401 min Scan# 70
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
JC-3-111522

Tgt Ion: 99 Resp: 221075
Ion Ratio Lower Upper
99 100
42 21.1 18.0 27.0
71 34.3 29.0 43.6

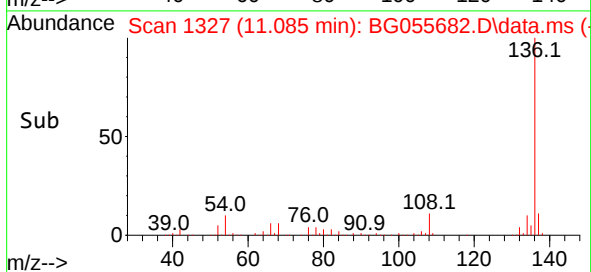
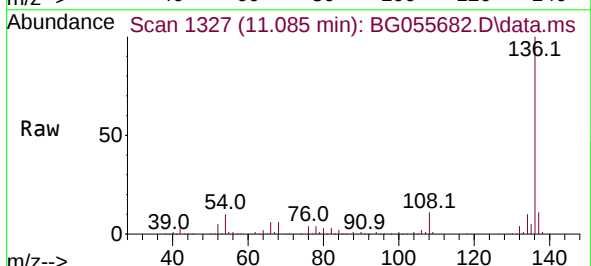
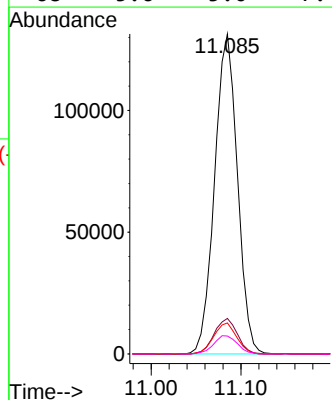
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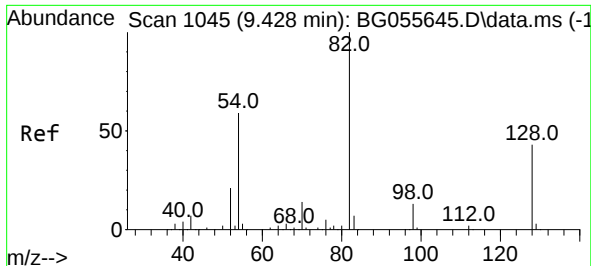
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:136 Resp: 232216
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.7 7.8 11.6
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 31.219 ng

RT: 9.422 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

Tgt Ion: 82 Resp: 137160

Ion Ratio Lower Upper

82 100

128 43.4 34.1 51.1

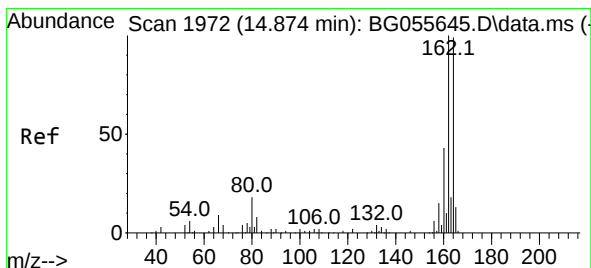
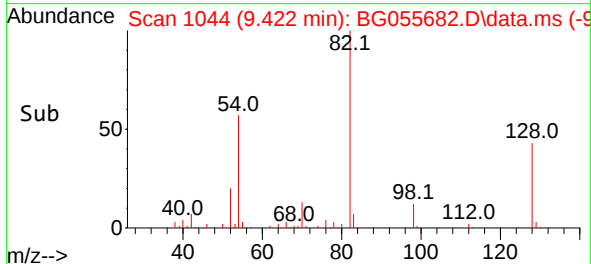
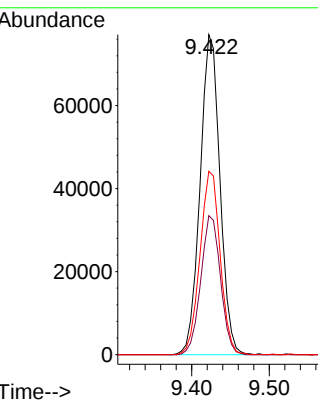
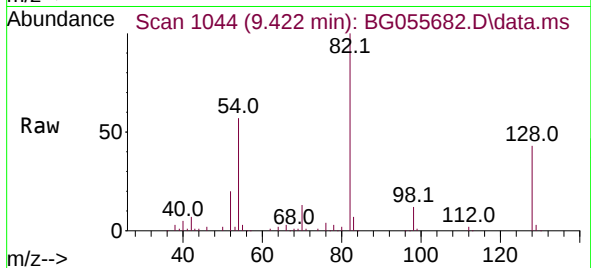
54 57.3 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

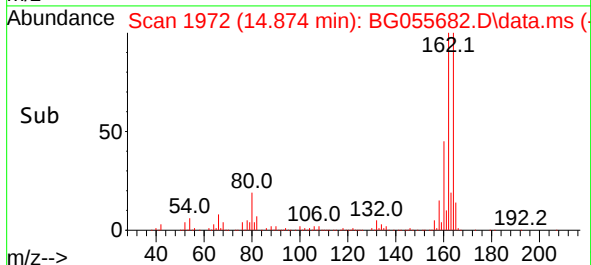
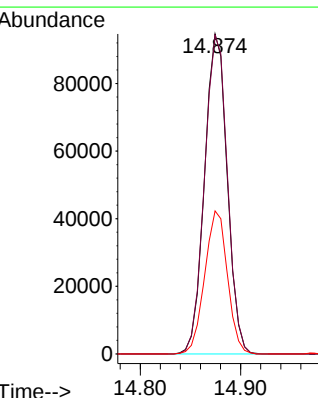
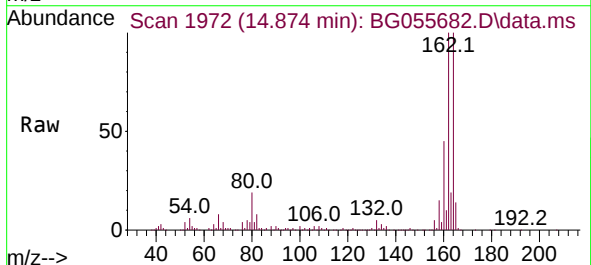
Tgt Ion:164 Resp: 148679

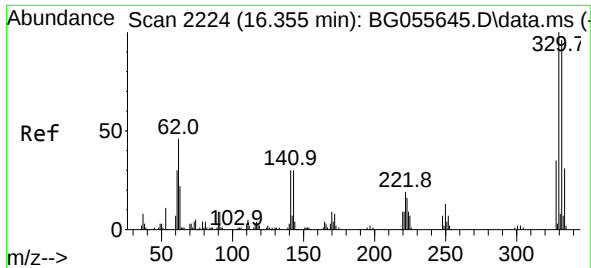
Ion Ratio Lower Upper

164 100

162 99.6 81.1 121.7

160 44.7 34.8 52.2





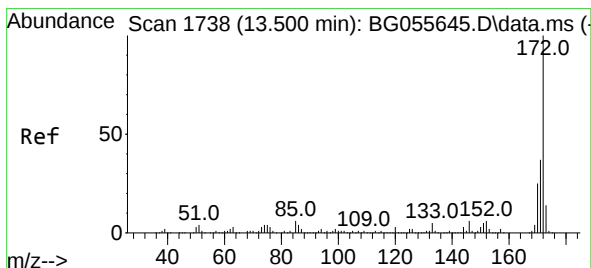
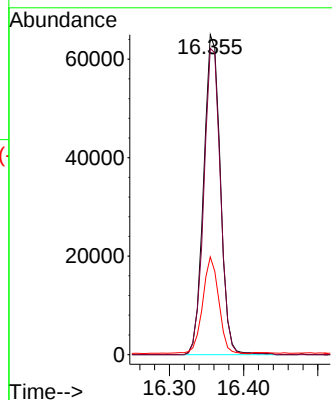
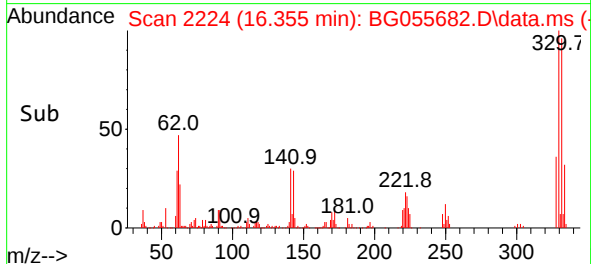
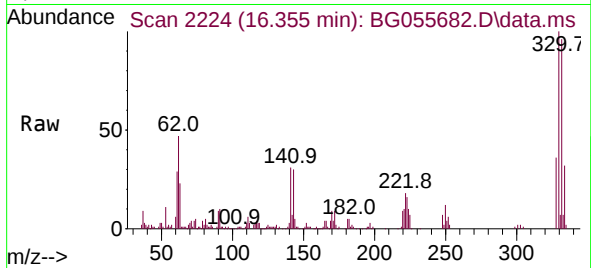
#42
2,4,6-Tribromophenol
Concen: 48.439 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

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BNA_G
ClientSampleId :
JC-3-111522

Tgt Ion:330 Resp: 101411
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 29.4 23.9 35.9

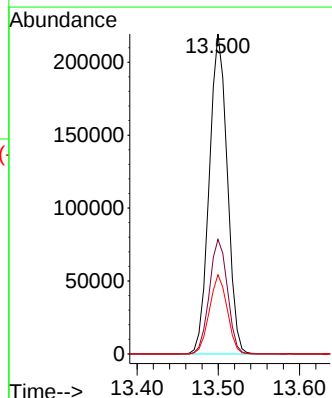
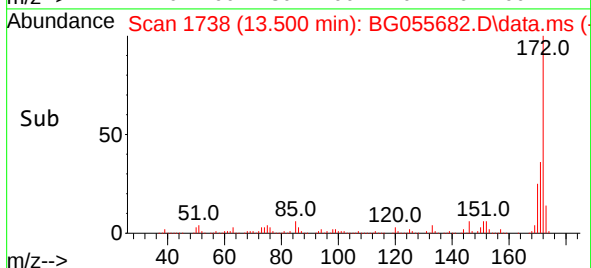
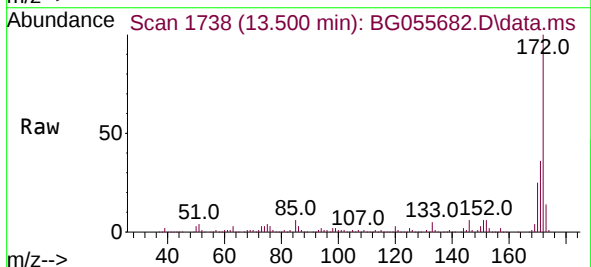
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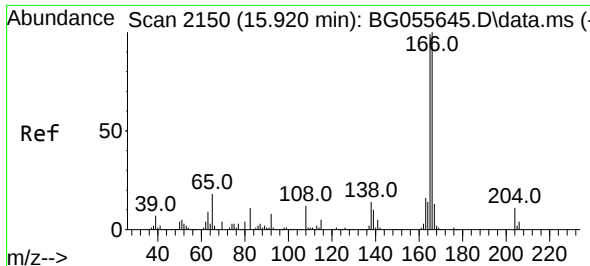
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#45
2-Fluorobiphenyl
Concen: 34.081 ng
RT: 13.500 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

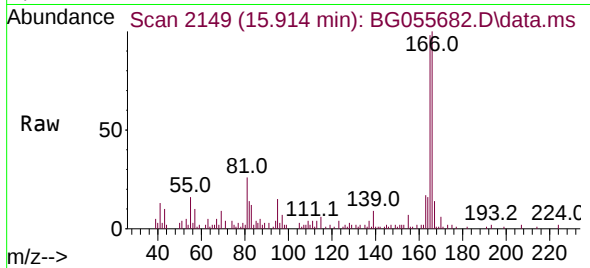
Tgt Ion:172 Resp: 338230
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 24.7 20.2 30.4





#58
Fluorene
Concen: 2.089 ng
RT: 15.914 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

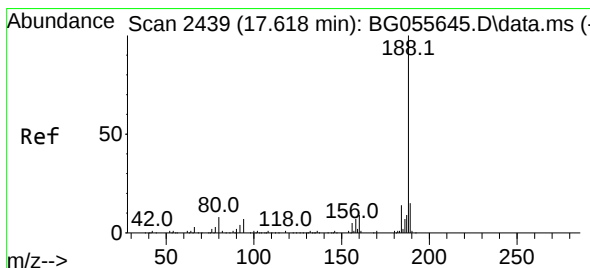
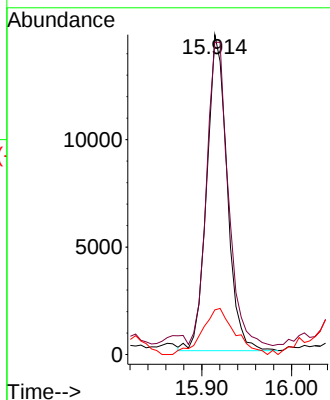
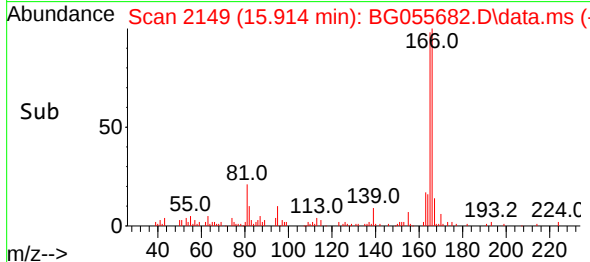
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JC-3-111522



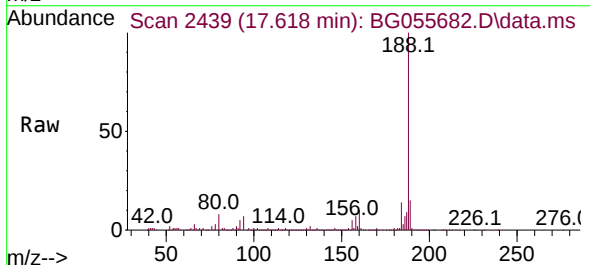
Tgt Ion:166 Resp: 23328
Ion Ratio Lower Upper
166 100
165 97.6 79.3 118.9
167 14.0 10.6 15.8

Manual Integrations
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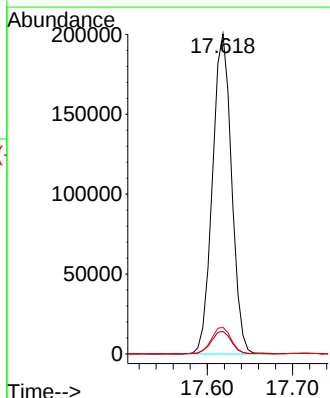
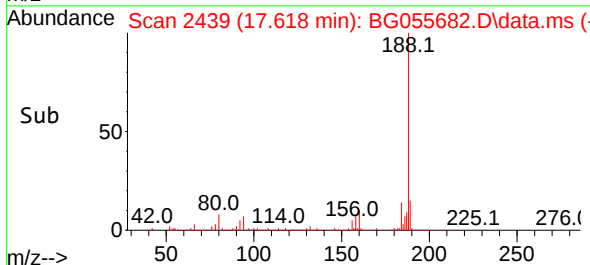
Reviewed By :Christian Giraldo 11/18/2022
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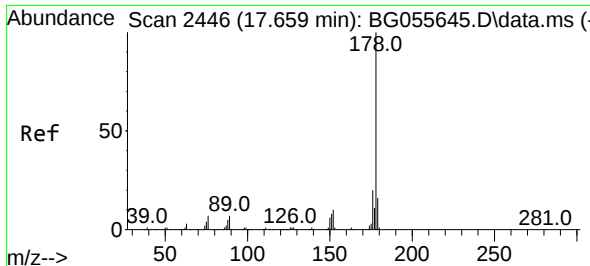


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



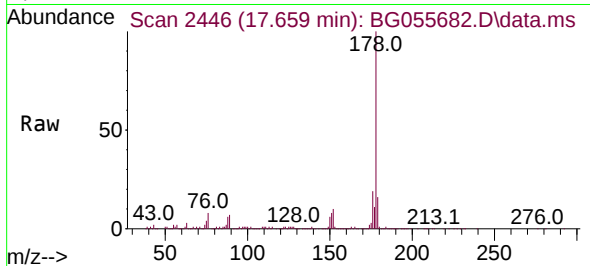
Tgt Ion:188 Resp: 311072
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.2
80 8.3 6.6 10.0





#71
Phenanthrene
Concen: 13.503 ng
RT: 17.659 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

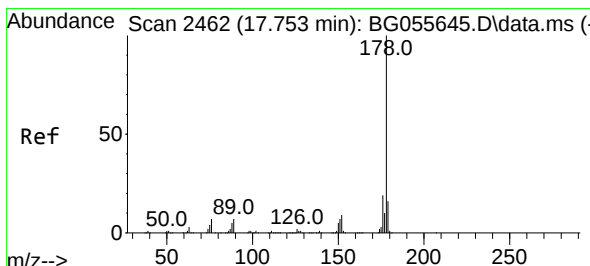
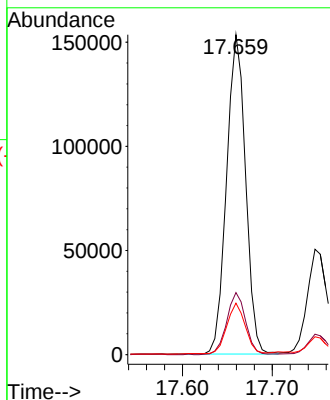
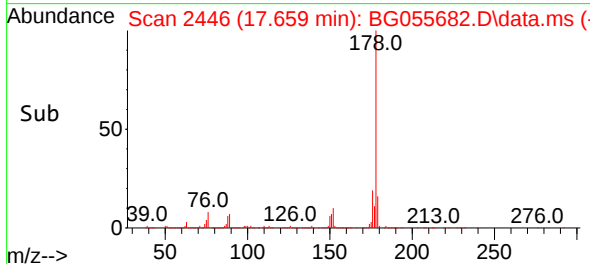
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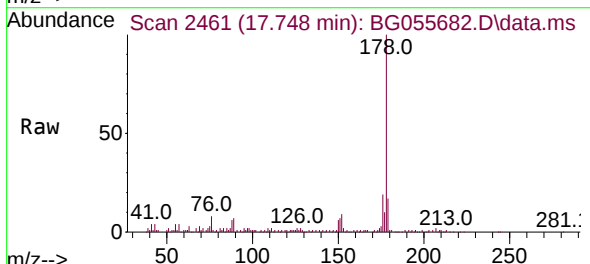
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Ion Ratio Lower Upper
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176 19.4 16.0 24.0
179 16.1 12.7 19.1

Manual Integrations
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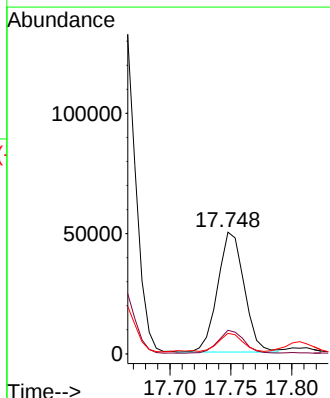
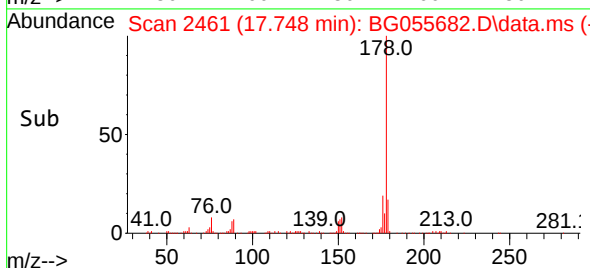
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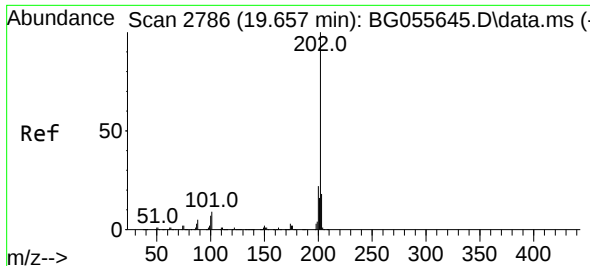


#72
Anthracene
Concen: 4.638 ng
RT: 17.748 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



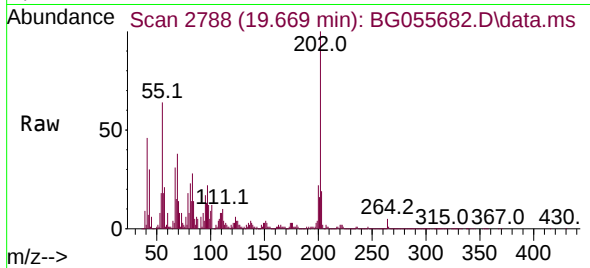
Tgt Ion:178 Resp: 75655
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.9 12.5 18.7





#75
Fluoranthene
Concen: 33.695 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

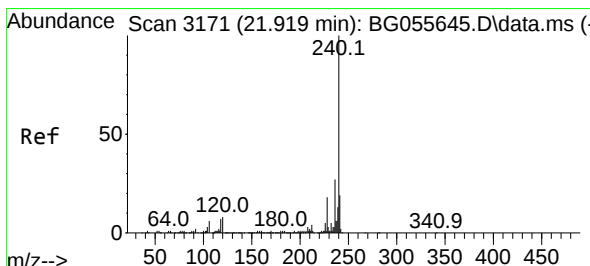
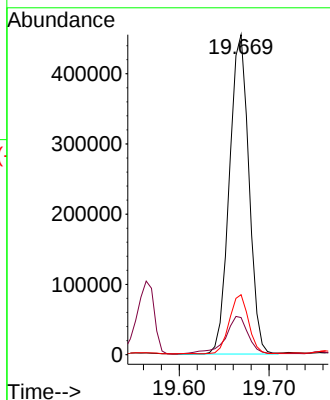
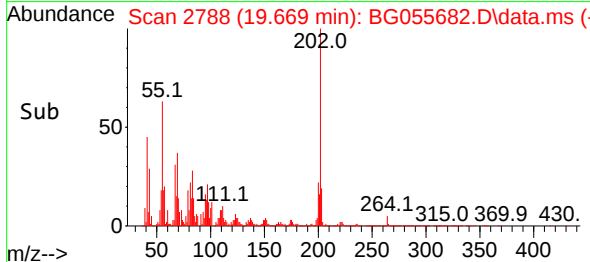
Instrument :
BNA_G
ClientSampleId :
JC-3-111522



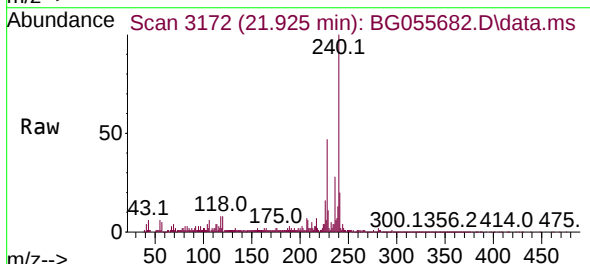
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Ion Ratio Lower Upper
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101 11.6 0.0 28.8
203 18.8 0.0 38.1

Manual Integrations
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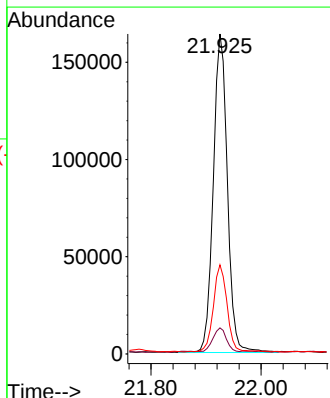
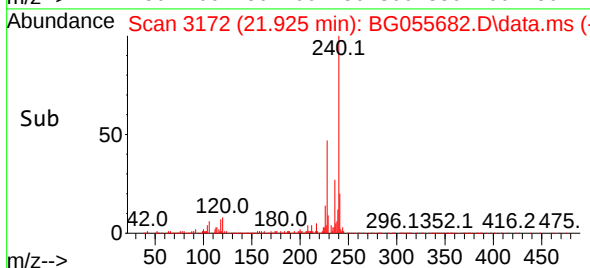
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

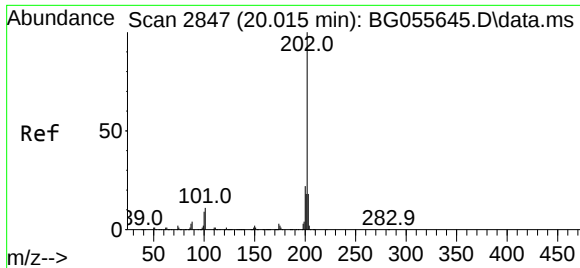


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



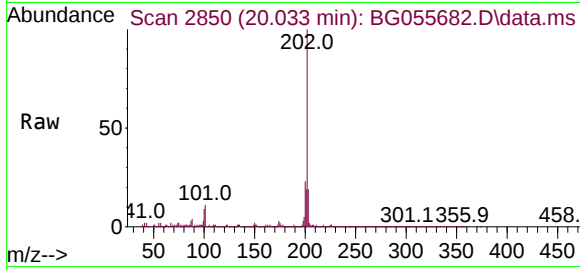
Tgt Ion:240 Resp: 292058
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 27.8 21.9 32.9





#78
Pyrene
Concen: 40.162 ng
RT: 20.033 min Scan# 2847
Delta R.T. 0.018 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

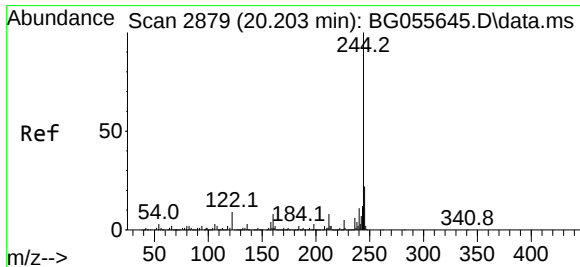
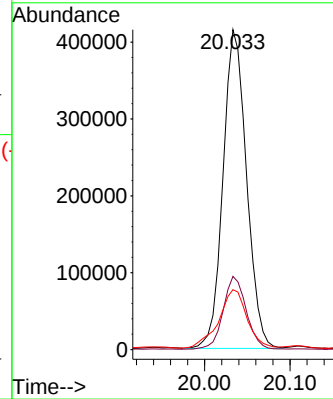
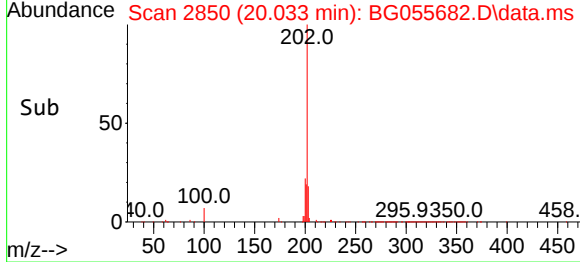
Instrument :
BNA_G
ClientSampleId :
JC-3-111522



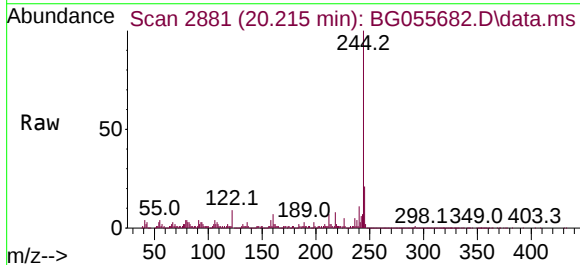
Tgt Ion:202 Resp: 793955
Ion Ratio Lower Upper
202 100
200 22.9 17.8 26.6
203 18.7 14.4 21.6

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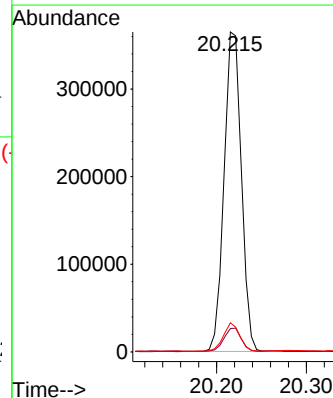
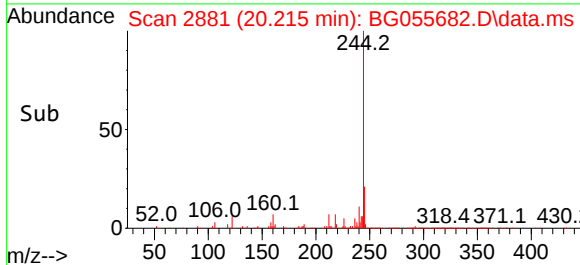
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

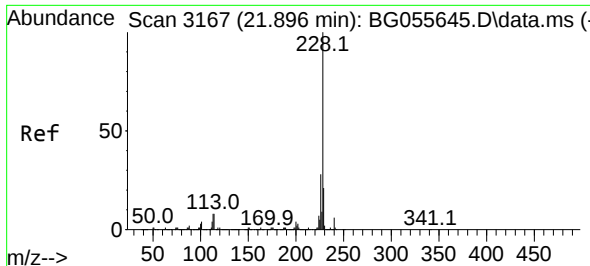


#79
Terphenyl-d14
Concen: 33.571 ng
RT: 20.215 min Scan# 2881
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



Tgt Ion:244 Resp: 490208
Ion Ratio Lower Upper
244 100
212 7.3 6.3 9.5
122 9.1 6.9 10.3





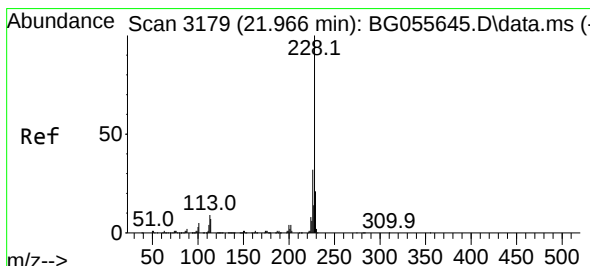
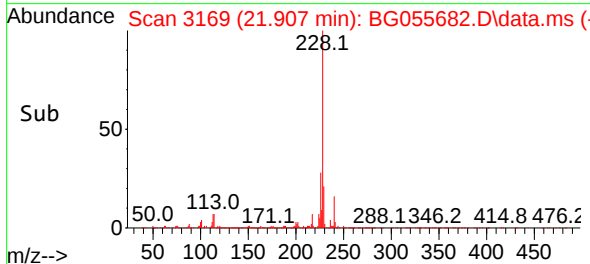
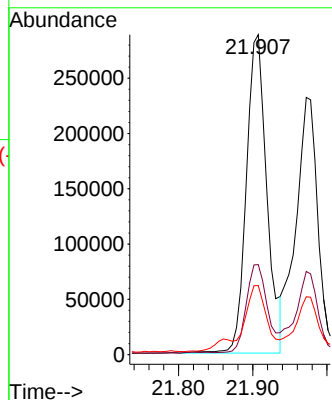
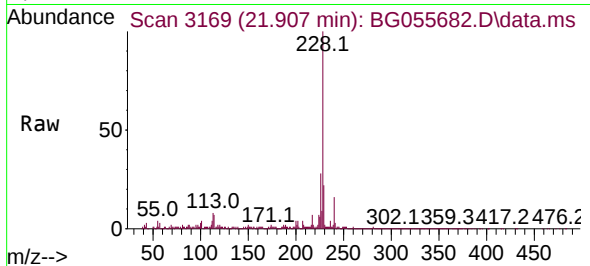
#81
Benzo(a)anthracene
Concen: 27.488 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
JC-3-111522

Tgt Ion:228 Resp: 552934
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 21.6 16.5 24.7

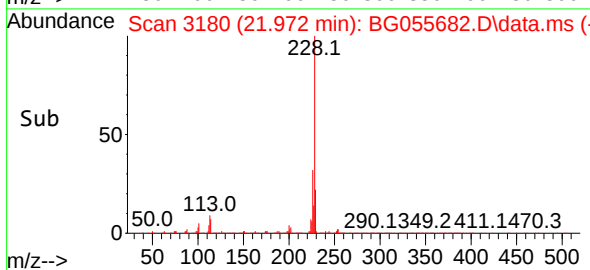
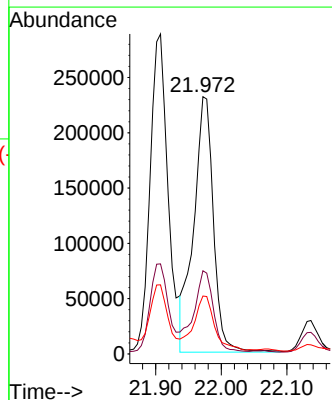
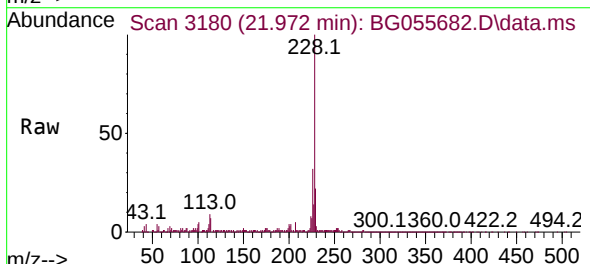
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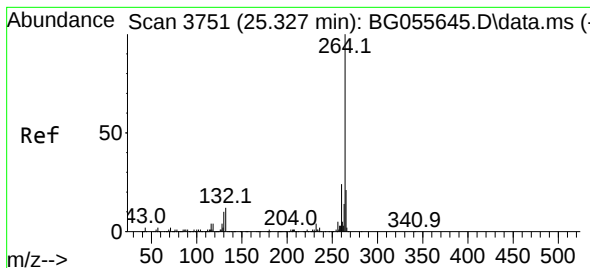
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#83
Chrysene
Concen: 25.299 ng
RT: 21.972 min Scan# 3180
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:228 Resp: 484470
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 22.5 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.024 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

Tgt Ion:264 Resp: 254375

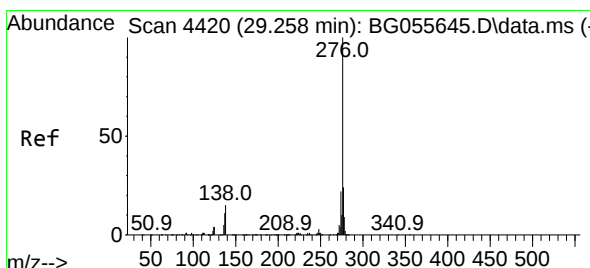
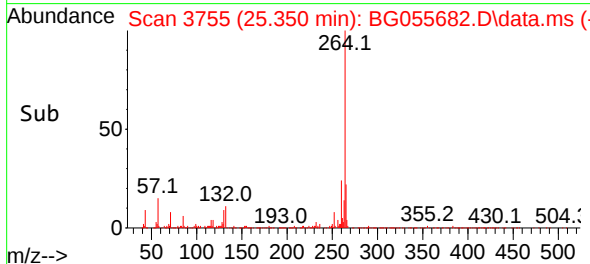
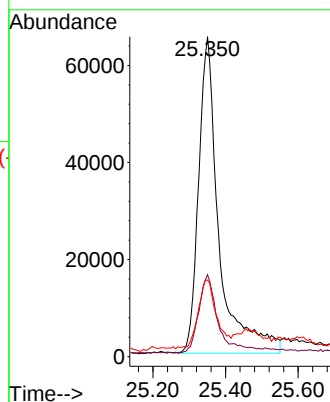
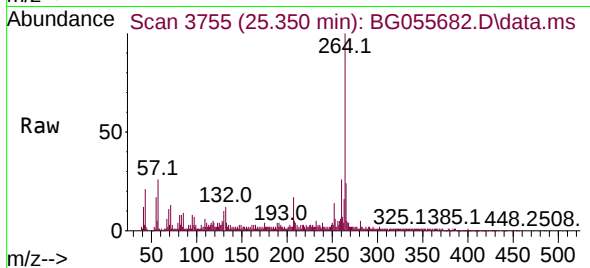
Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	23.9	17.1	25.7

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Supervised By :Jagrut Upadhyay 11/18/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.027 ng

RT: 29.281 min Scan# 4424

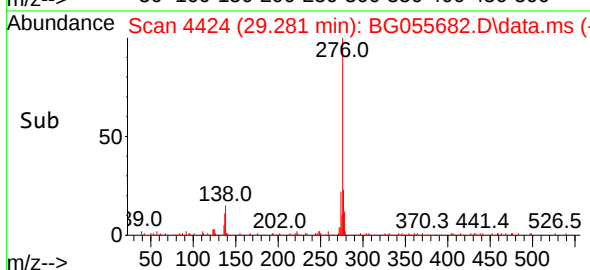
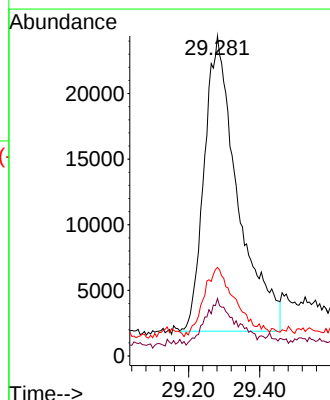
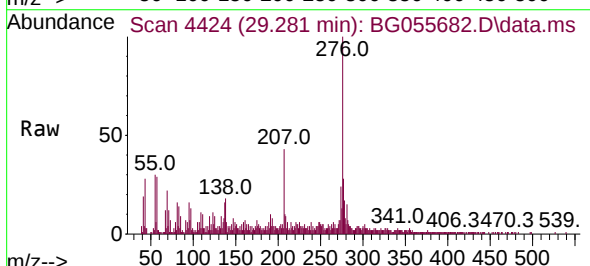
Delta R.T. 0.024 min

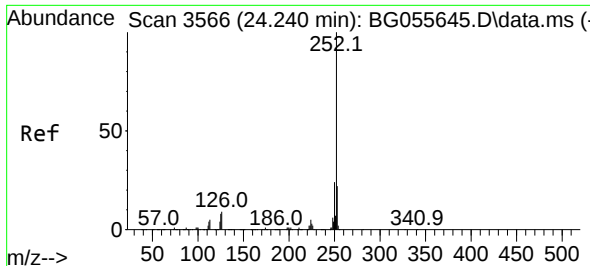
Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Tgt Ion:276 Resp: 146437

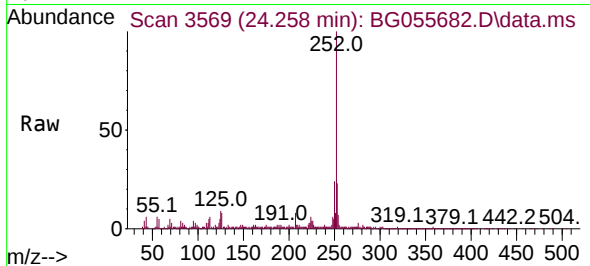
Ion	Ratio	Lower	Upper
276	100		
138	14.0	10.4	15.6
277	21.7	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 33.966 ng
RT: 24.258 min Scan# 3569
Delta R.T. 0.018 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

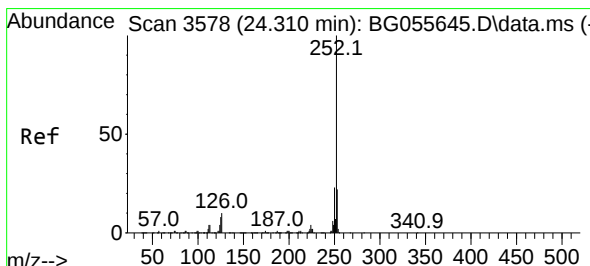
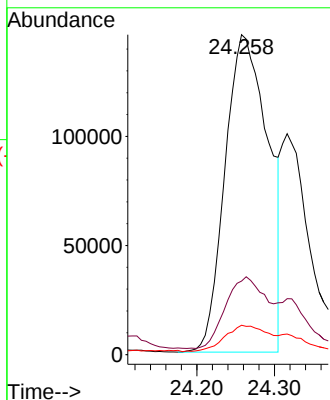
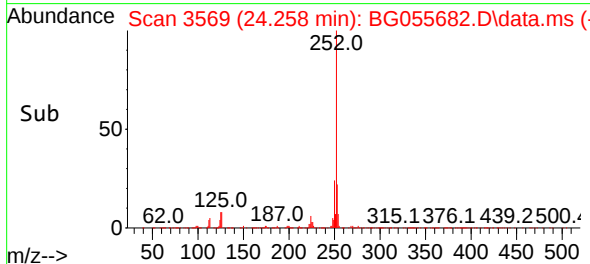
Instrument :
BNA_G
ClientSampleId :
JC-3-111522



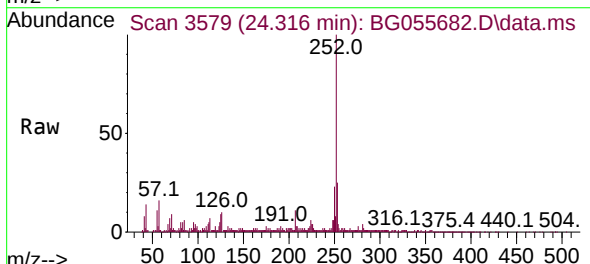
Tgt Ion:252 Resp: 562688
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.2 6.2 9.2

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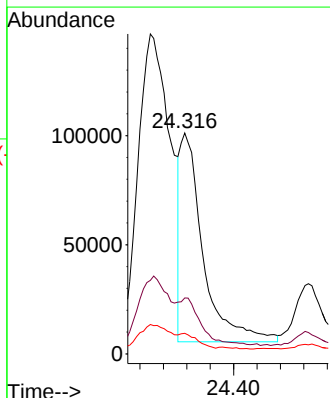
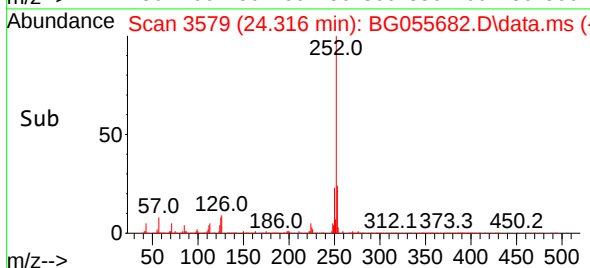
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

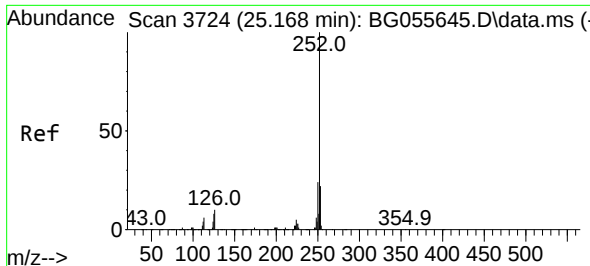


#89
Benzo(k)fluoranthene
Concen: 15.621 ng m
RT: 24.316 min Scan# 3579
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10



Tgt Ion:252 Resp: 257956
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 9.3 6.1 9.1#





#90
Benzo(a)pyrene
Concen: 29.245 ng
RT: 25.186 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

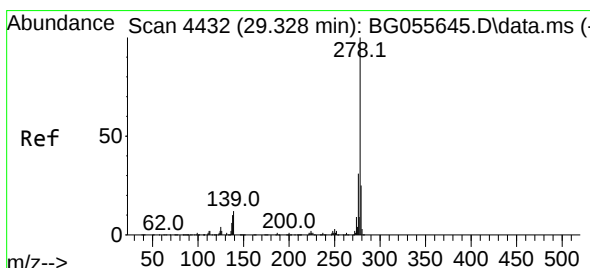
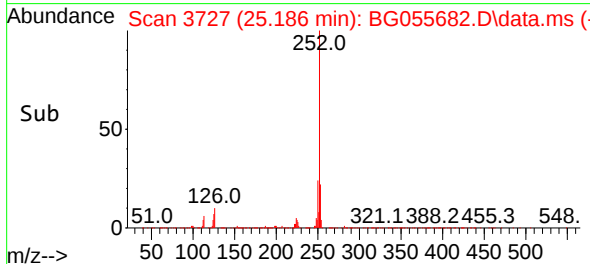
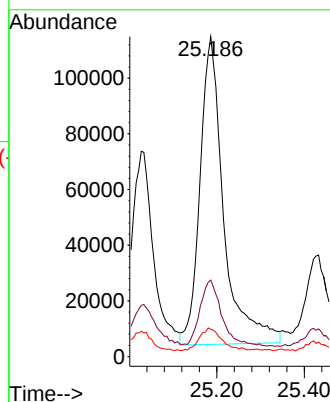
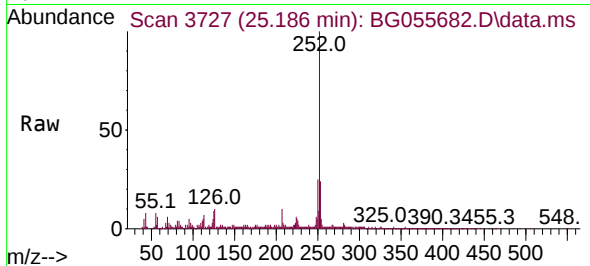
ClientSampleId :

JC-3-111522

Tgt Ion:252 Resp: 415746
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 8.5 6.4 9.6

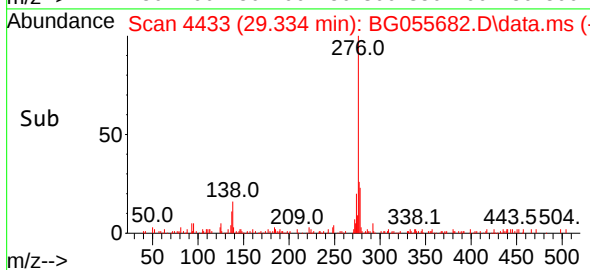
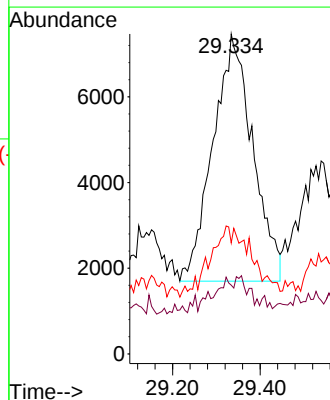
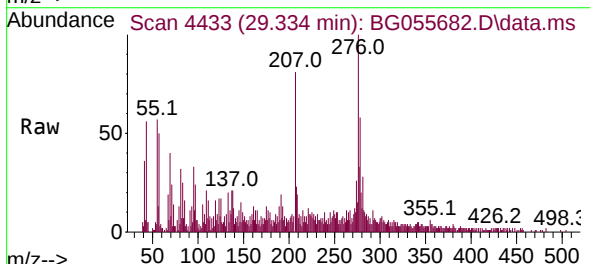
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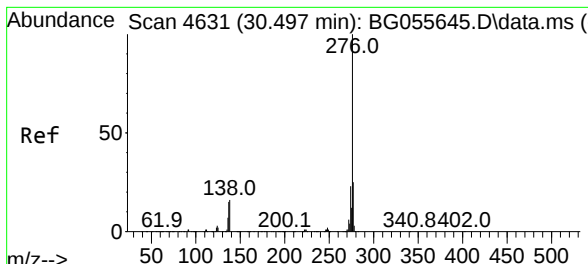
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.145 ng
RT: 29.334 min Scan# 4433
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

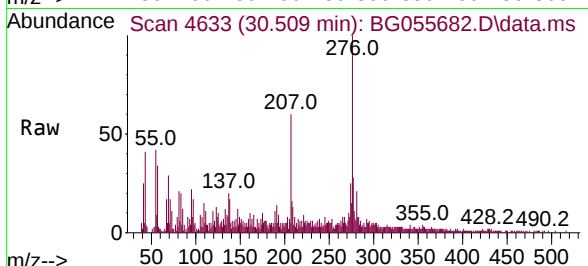
Tgt Ion:278 Resp: 36534
Ion Ratio Lower Upper
278 100
139 21.5 9.8 14.8#
279 34.7 19.8 29.6#





#92
 Benzo(g,h,i)perylene
 Concen: 6.915 ng
 RT: 30.509 min Scan# 4633
 Delta R.T. 0.012 min
 Lab File: BG055682.D
 Acq: 18 Nov 2022 2:10

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-111522



Tgt Ion:	276	Resp:	118689
Ion Ratio	Lower	Upper	
276	100		
277	28.4	19.8	29.6
138	17.5	13.1	19.7

Manual Integrations
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Reviewed By :Christian Giraldo 11/18/2022
 Supervised By :Jagrut Upadhyay 11/18/2022

