

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055866.D
 Acq On : 1 Dec 2022 22:05
 Operator : CG/JU
 Sample : N5817-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-3-113022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/02/2022
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 04:12:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.211	152	53595	20.000	ng	0.00
21) Naphthalene-d8	11.038	136	213717	20.000	ng	0.00
39) Acenaphthene-d10	14.833	164	138713	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	290020	20.000	ng	0.00
76) Chrysene-d12	21.872	240	274117	20.000	ng	0.00
86) Perylene-d12	25.262	264	271896	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	147292	49.675	ng	0.00
7) Phenol-d6	7.360	99	187829	47.587	ng	0.00
23) Nitrobenzene-d5	9.381	82	119178	29.474	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	86653	44.363	ng	0.00
45) 2-Fluorobiphenyl	13.458	172	293989	31.751	ng	0.00
79) Terphenyl-d14	20.162	244	432049	31.525	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	12.894	142	20920	2.491	ng	99
49) Acenaphthylene	14.563	152	46101	3.563	ng	# 94
52) Acenaphthene	14.898	154	28458	3.366	ng	98
58) Fluorene	15.879	166	43454	4.171	ng	# 95
71) Phenanthrene	17.624	178	595224	38.032	ng	99
72) Anthracene	17.712	178	102346	6.730	ng	98
73) Carbazole	17.977	167	30005	2.195	ng	# 92
75) Fluoranthene	19.622	202	654984	34.400	ng	99
78) Pyrene	19.986	202	1053210	56.763	ng	97
81) Benzo(a)anthracene	21.848	228	334757	17.731	ng	96
83) Chrysene	21.919	228	319038	17.750	ng	98
87) Indeno(1,2,3-cd)pyrene	29.163	276	82691	3.712	ng	92
88) Benzo(b)fluoranthene	24.181	252	260541m	14.714	ng	
89) Benzo(k)fluoranthene	24.234	252	86644m	4.909	ng	
90) Benzo(a)pyrene	25.098	252	278073	18.300	ng	96
92) Benzo(g,h,i)perylene	30.397	276	117192	6.388	ng	98

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

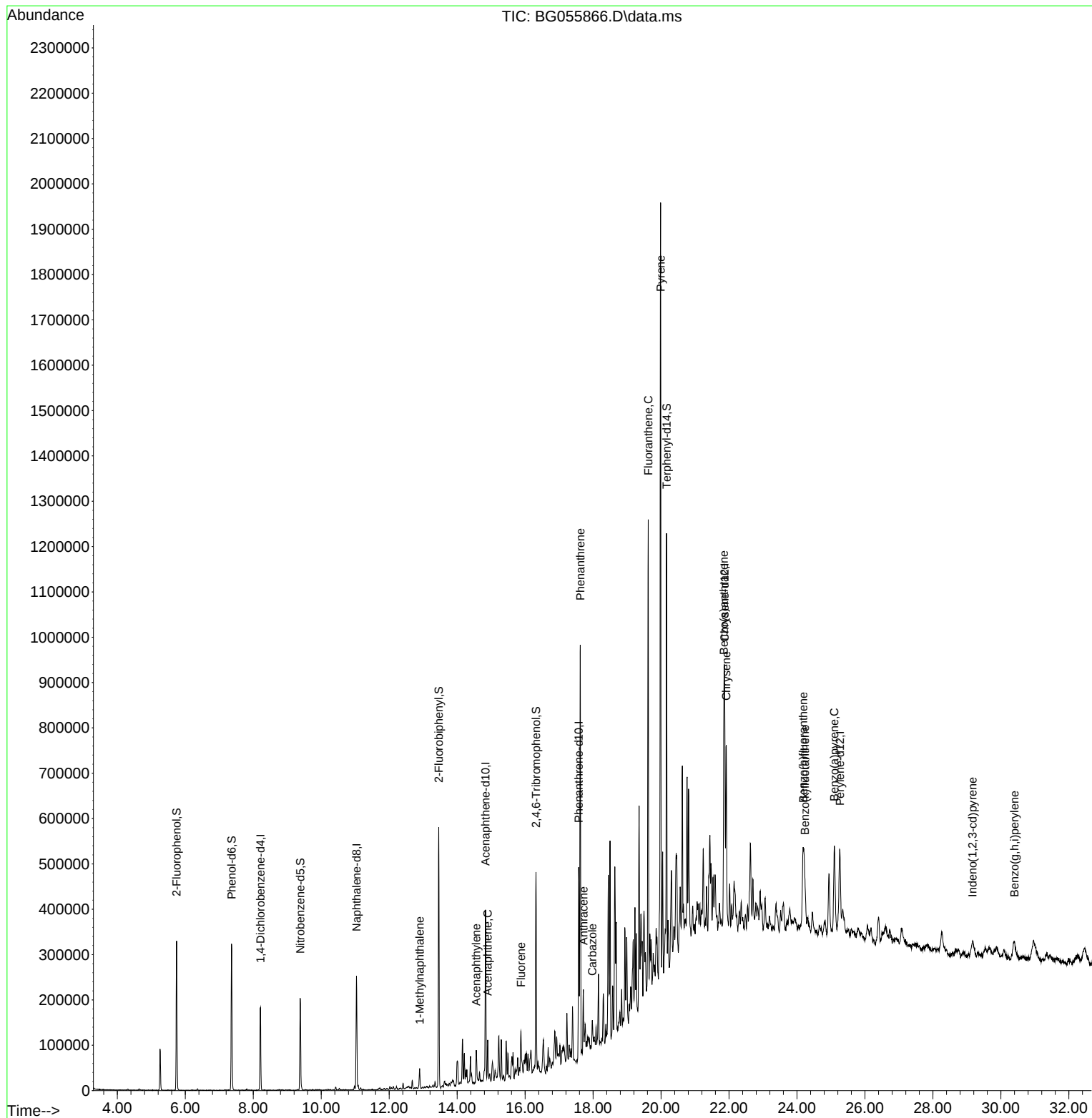
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055866.D
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ALS Vial : 14 Sample Multiplier: 1

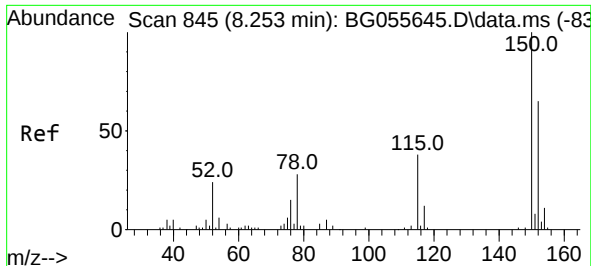
Instrument :
BNA_G
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OK-3-113022

Quant Time: Dec 02 04:12:54 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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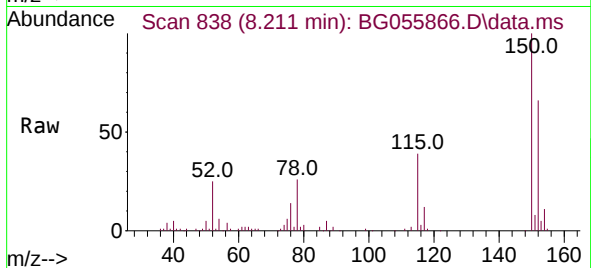
Reviewed By : Christian Giraldo 12/02/2022
Supervised By : Jagrut Upadhyay 12/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.211 min Scan# 845
Delta R.T. 0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

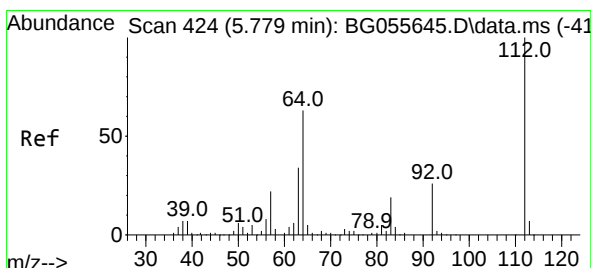
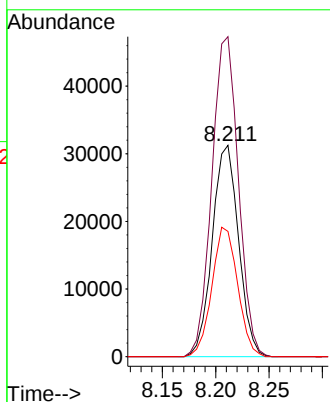
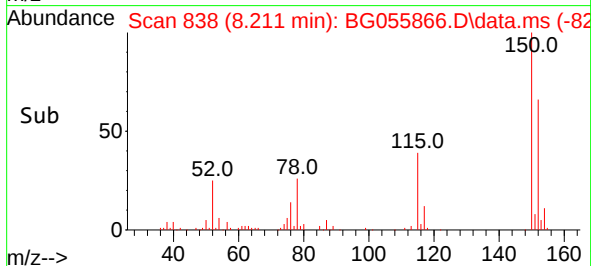
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BNA_G
ClientSampleId :
OK-3-113022



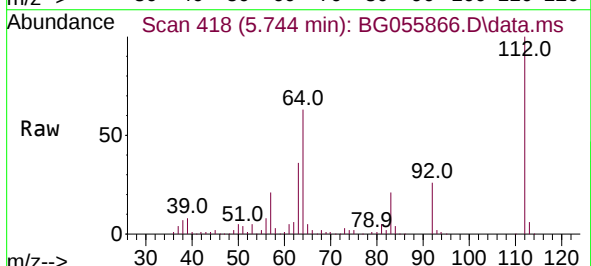
Tgt Ion:152 Resp: 53595
Ion Ratio Lower Upper
152 100
150 151.4 123.0 184.6
115 59.2 47.0 70.4

Manual Integrations
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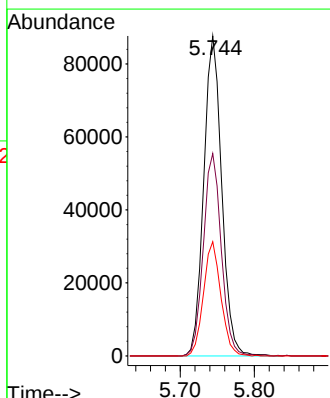
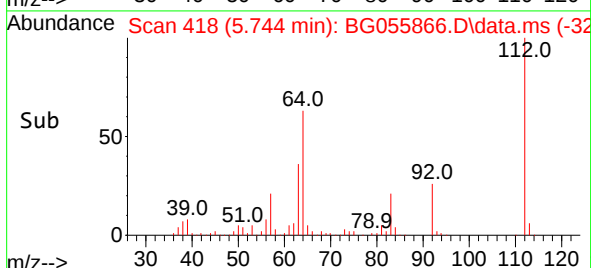
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

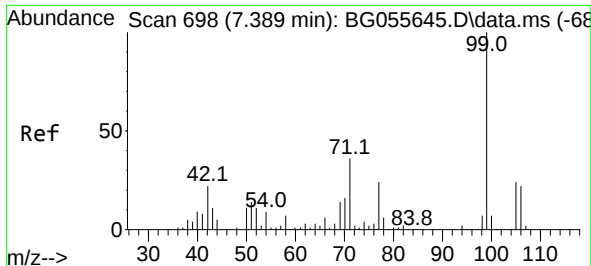


#5
2-Fluorophenol
Concen: 49.675 ng
RT: 5.744 min Scan# 418
Delta R.T. 0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



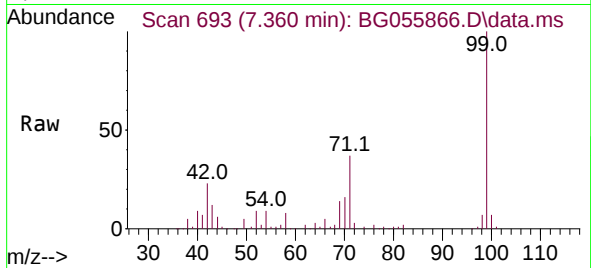
Tgt Ion:112 Resp: 147292
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 35.7 27.5 41.3





#7
Phenol-d6
Concen: 47.587 ng
RT: 7.360 min Scan# 698
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

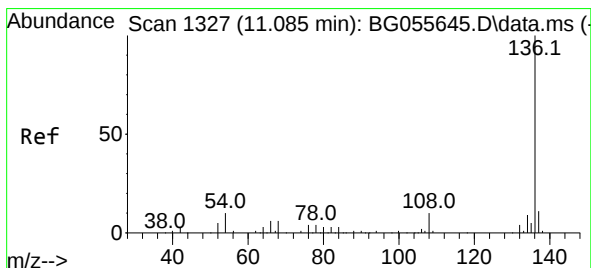
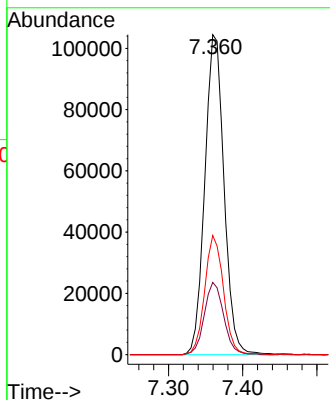
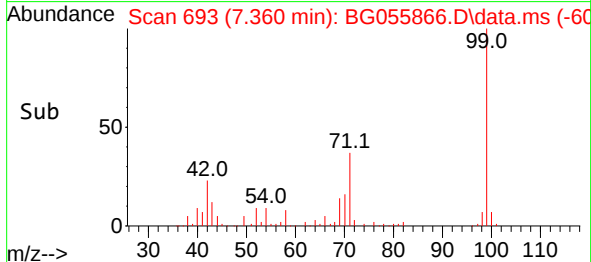
Instrument :
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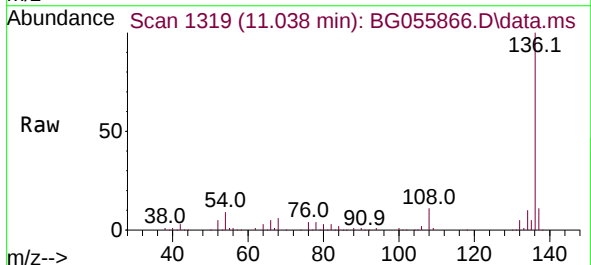
Tgt Ion: 99 Resp: 187829
Ion Ratio Lower Upper
99 100
42 22.6 18.0 27.0
71 37.2 29.0 43.6

Manual Integrations
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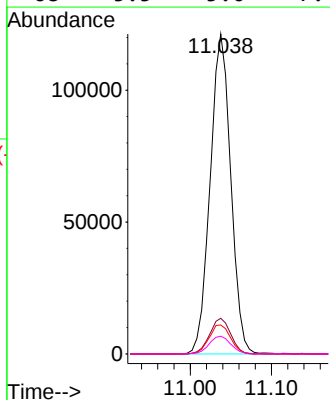
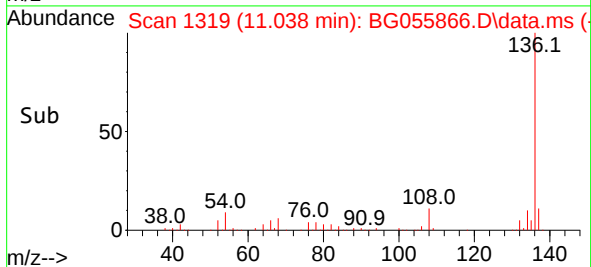
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

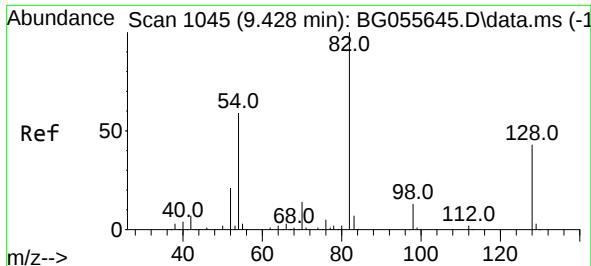


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.038 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:136 Resp: 213717
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.0 7.8 11.6
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 29.474 ng

RT: 9.381 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

Tgt Ion: 82 Resp: 119178

Ion Ratio Lower Upper

82 100

128 42.1 34.1 51.1

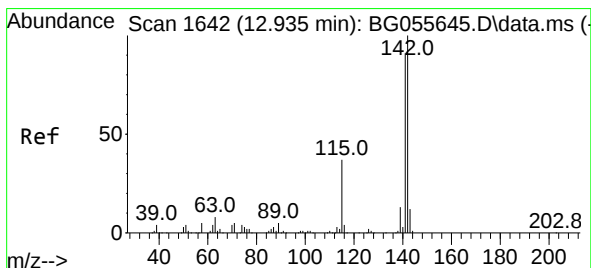
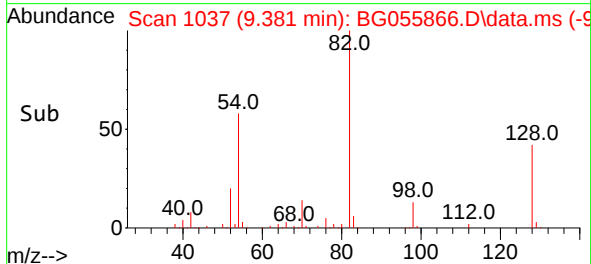
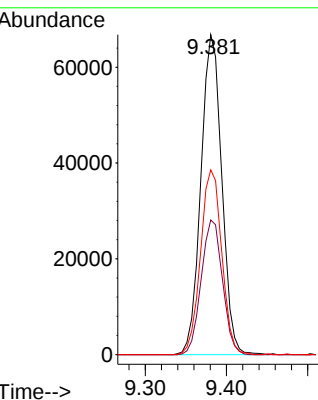
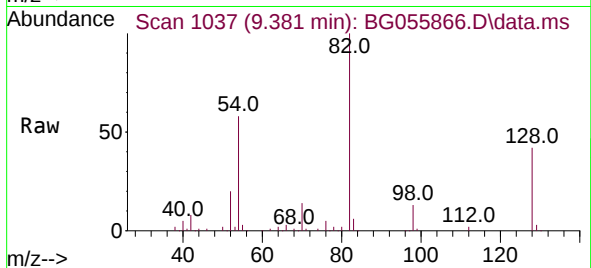
54 57.7 47.3 70.9

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 2.491 ng

RT: 12.894 min Scan# 1635

Delta R.T. 0.000 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

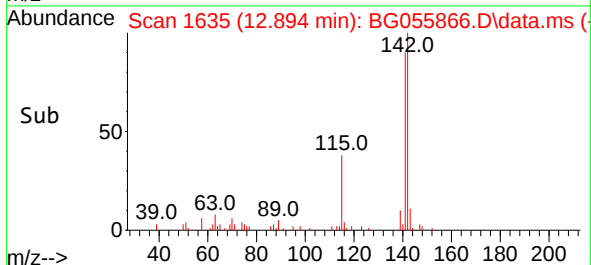
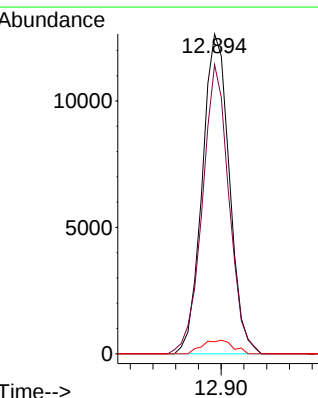
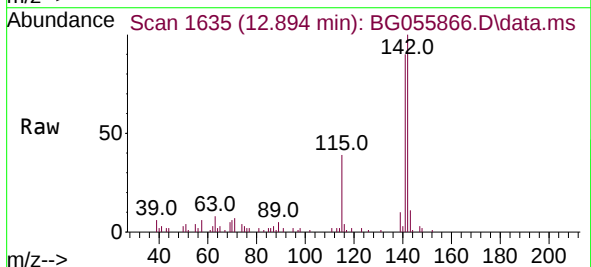
Tgt Ion:142 Resp: 20920

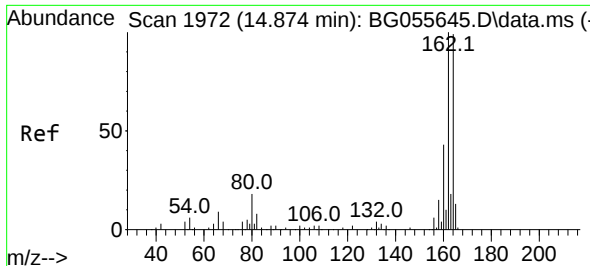
Ion Ratio Lower Upper

142 100

141 90.4 73.0 109.4

116 3.8 3.1 4.7





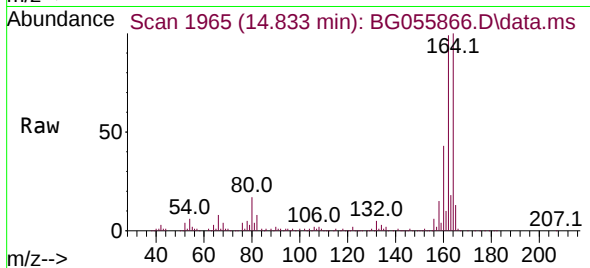
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.833 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

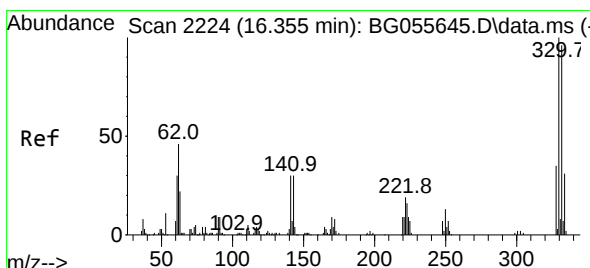
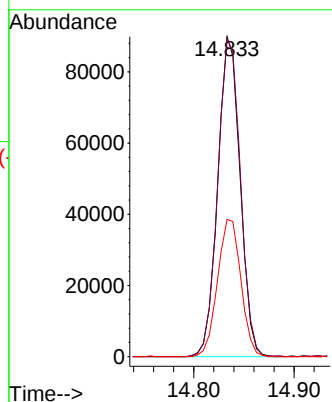
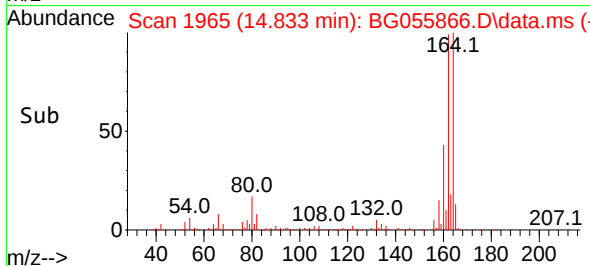


Tgt Ion:164 Resp: 138713
Ion Ratio Lower Upper
164 100
162 99.4 81.1 121.7
160 42.9 34.8 52.2

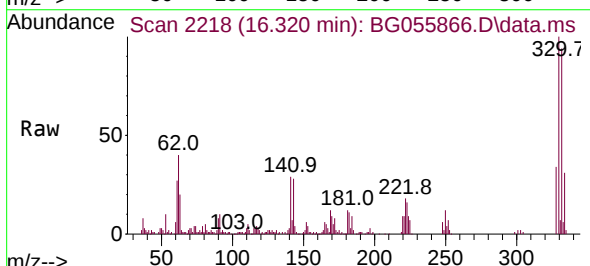
Manual Integrations

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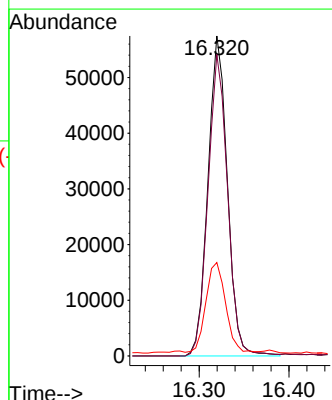
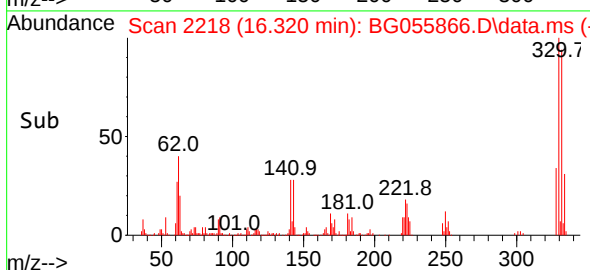
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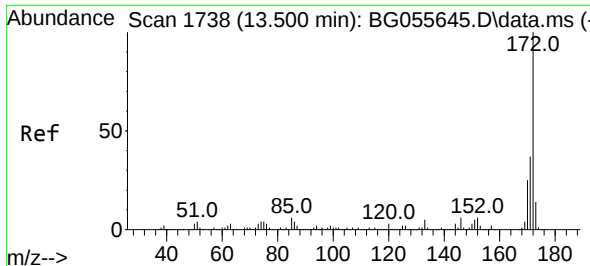


#42
2,4,6-Tribromophenol
Concen: 44.363 ng
RT: 16.320 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:330 Resp: 86653
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.8
141 29.6 23.9 35.9





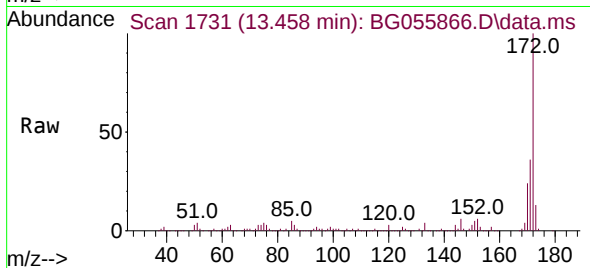
#45
2-Fluorobiphenyl
Concen: 31.751 ng
RT: 13.458 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

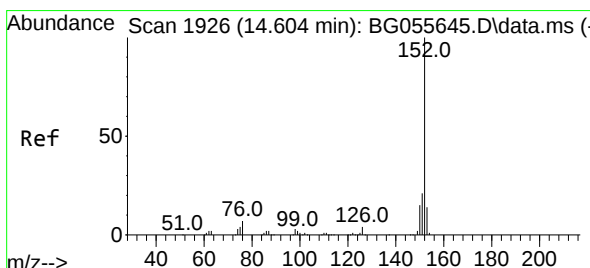
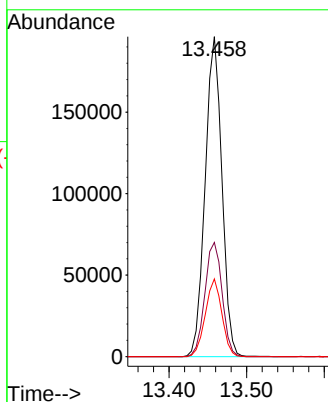
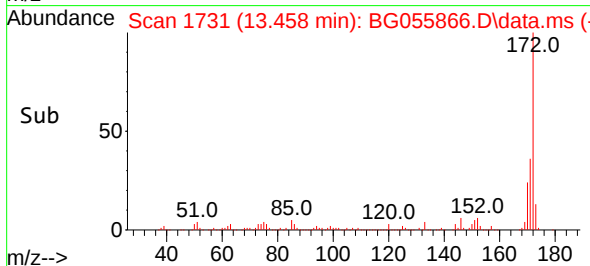


Tgt Ion:172 Resp: 293989
Ion Ratio Lower Upper
172 100
171 35.7 29.8 44.6
170 24.3 20.2 30.4

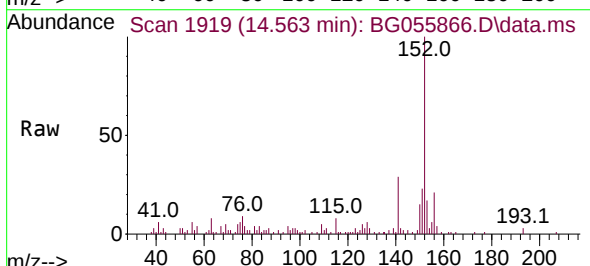
Manual Integrations

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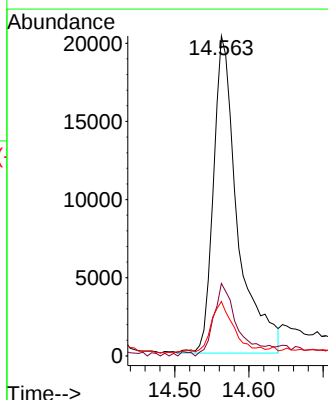
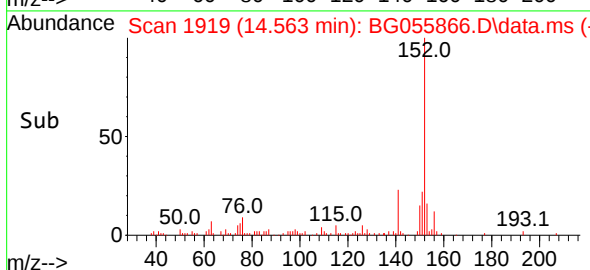
Reviewed By :Christian Giraldo 12/02/2022
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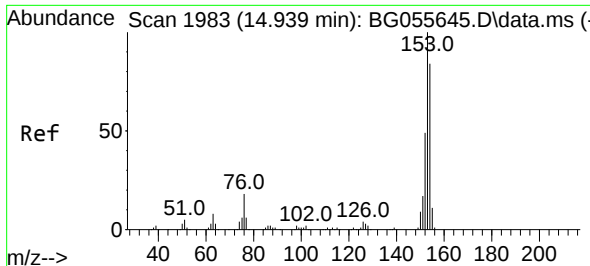


#49
Acenaphthylene
Concen: 3.563 ng
RT: 14.563 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



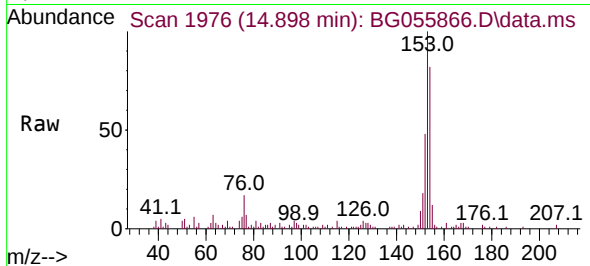
Tgt Ion:152 Resp: 46101
Ion Ratio Lower Upper
152 100
151 22.6 16.4 24.6
153 17.0 11.0 16.4#





#52
Acenaphthene
Concen: 3.366 ng
RT: 14.898 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

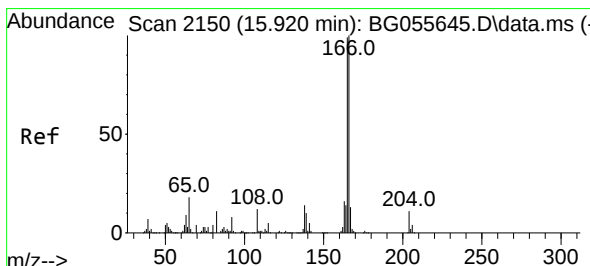
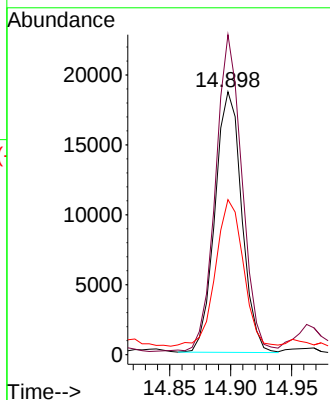
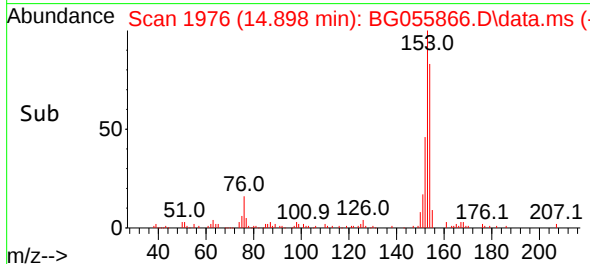
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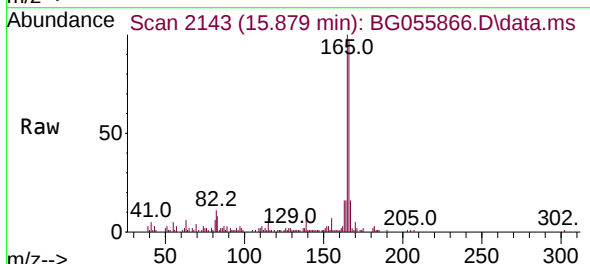
Tgt Ion:154 Resp: 28458
Ion Ratio Lower Upper
154 100
153 121.7 95.0 142.4
152 58.9 46.1 69.1

Manual Integrations
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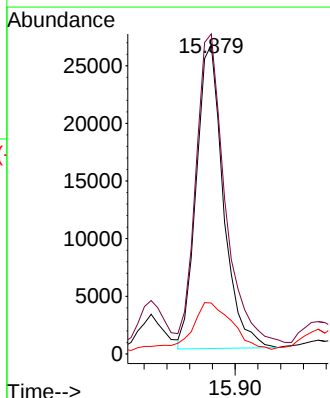
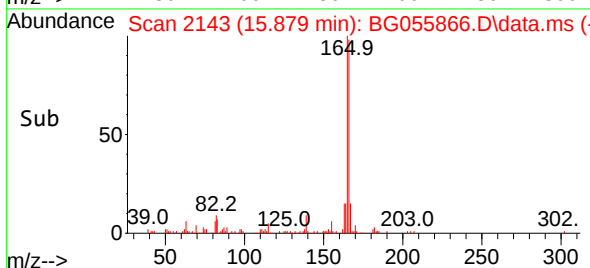
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

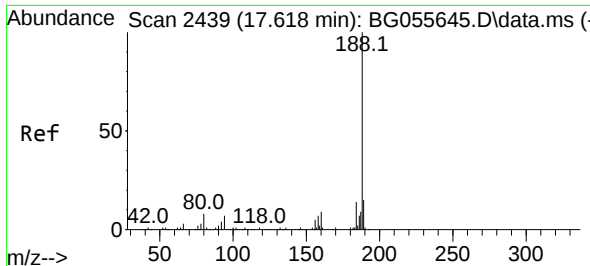


#58
Fluorene
Concen: 4.171 ng
RT: 15.879 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:166 Resp: 43454
Ion Ratio Lower Upper
166 100
165 103.5 79.3 118.9
167 16.4 10.6 15.8#





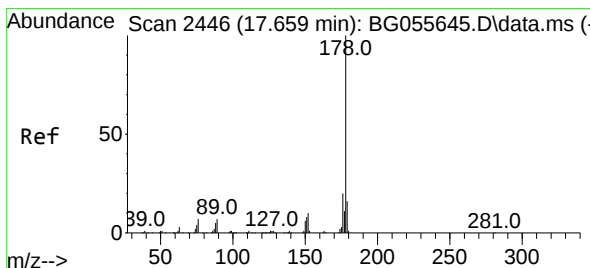
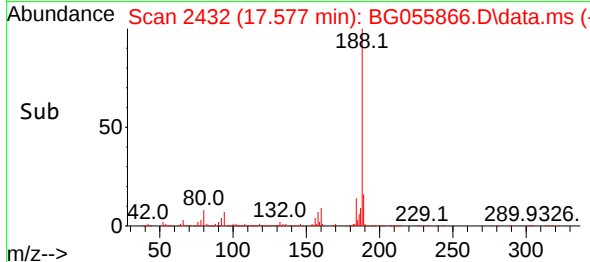
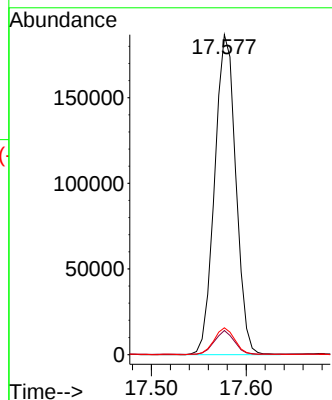
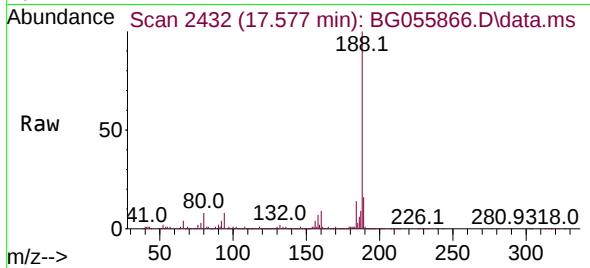
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

Instrument :
BNA_G
ClientSampleId :
OK-3-113022

Tgt Ion:188 Resp: 290020
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 8.4 6.6 10.0

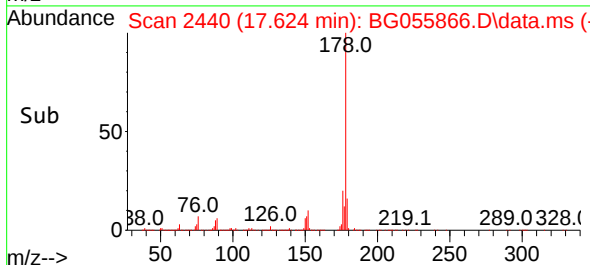
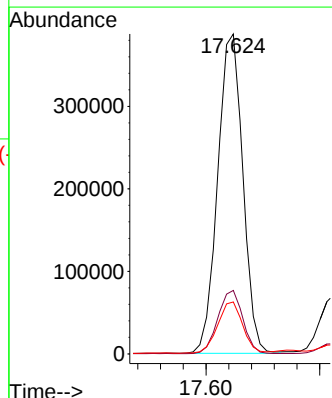
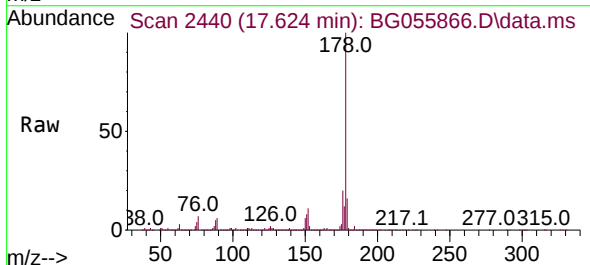
Manual Integrations
APPROVED

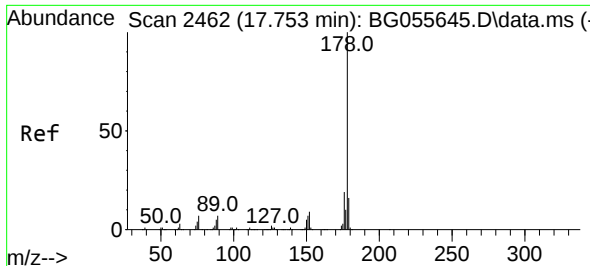
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#71
Phenanthrene
Concen: 38.032 ng
RT: 17.624 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

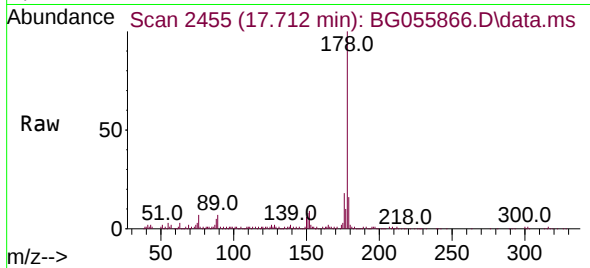
Tgt Ion:178 Resp: 595224
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.2 12.7 19.1





#72
 Anthracene
 Concen: 6.730 ng
 RT: 17.712 min Scan# 2462
 Delta R.T. 0.000 min
 Lab File: BG055866.D
 Acq: 1 Dec 2022 22:05

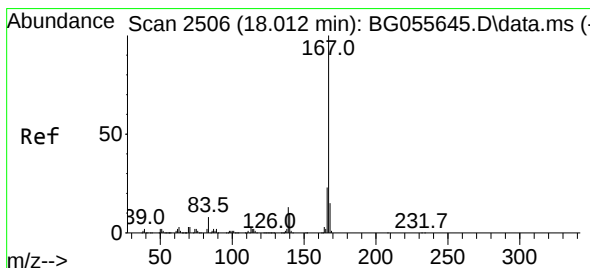
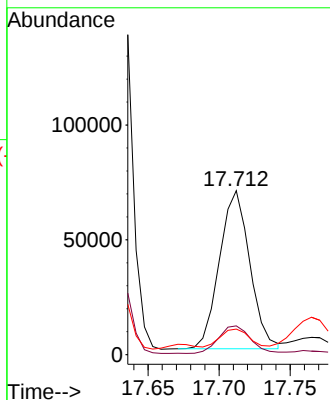
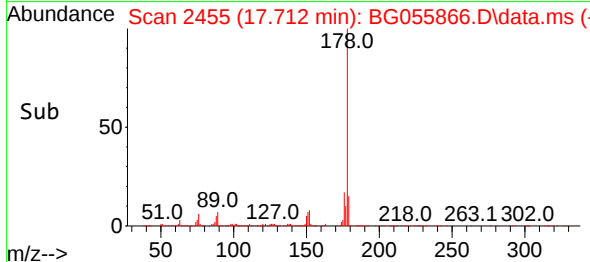
Instrument :
 BNA_G
 ClientSampleId :
 OK-3-113022



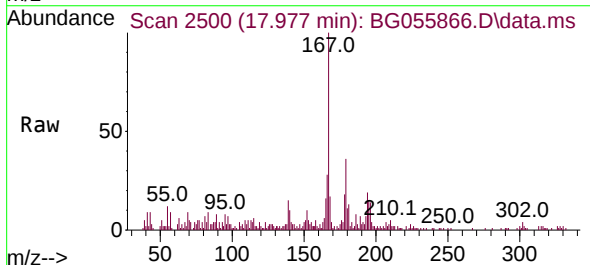
Tgt Ion:178 Resp: 102346
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.5 23.3
 179 15.5 12.5 18.7

Manual Integrations
 APPROVED

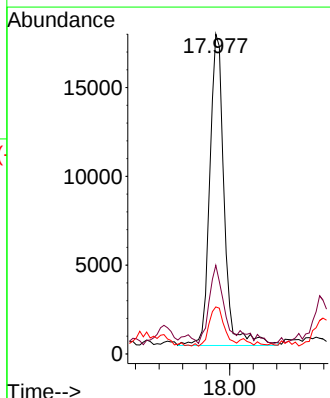
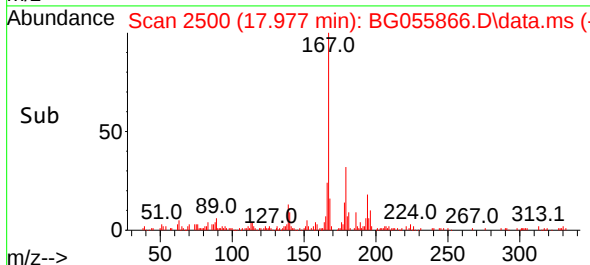
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022

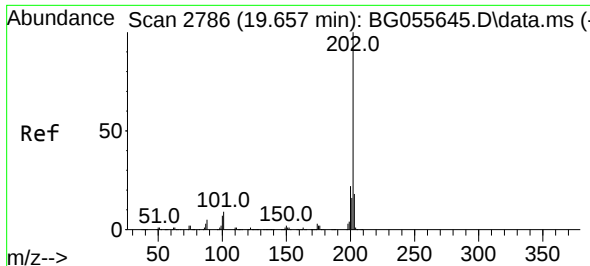


#73
 Carbazole
 Concen: 2.195 ng
 RT: 17.977 min Scan# 2500
 Delta R.T. 0.000 min
 Lab File: BG055866.D
 Acq: 1 Dec 2022 22:05



Tgt Ion:167 Resp: 30005
 Ion Ratio Lower Upper
 167 100
 166 27.7 18.2 27.2#
 139 14.7 10.2 15.4





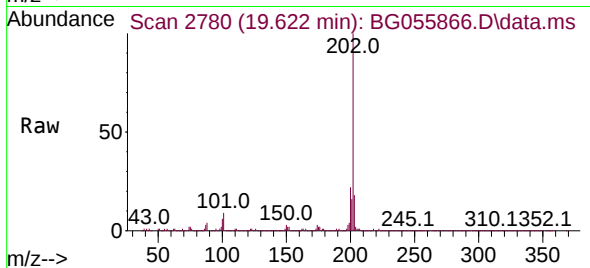
#75
Fluoranthene
Concen: 34.400 ng
RT: 19.622 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

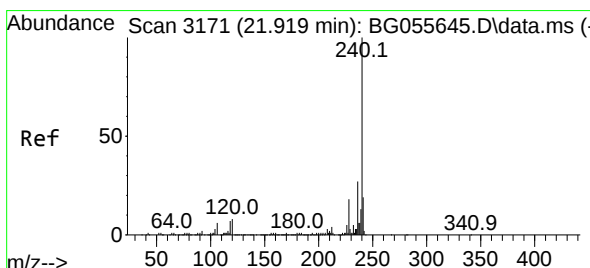
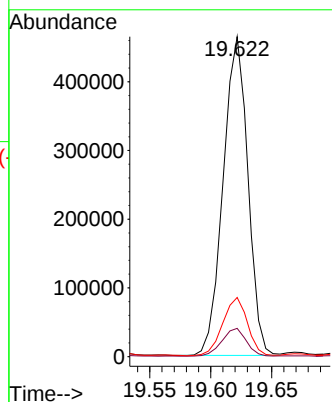
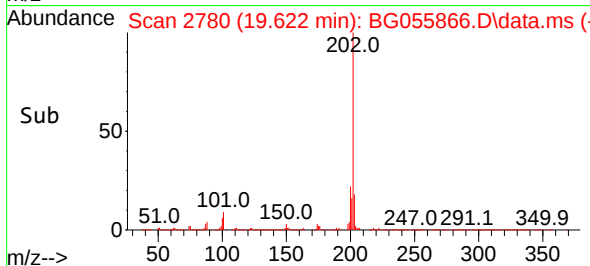


Tgt Ion:202 Resp: 654984
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.8
203 18.5 0.0 38.1

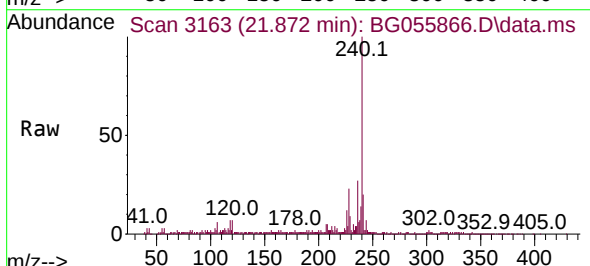
Manual Integrations

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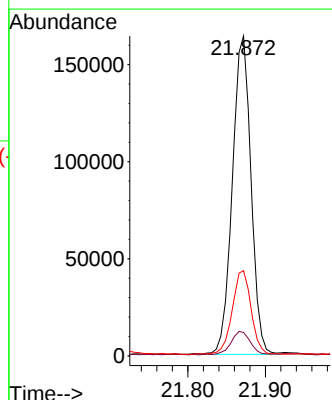
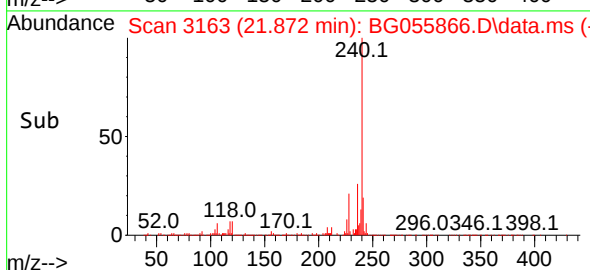
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

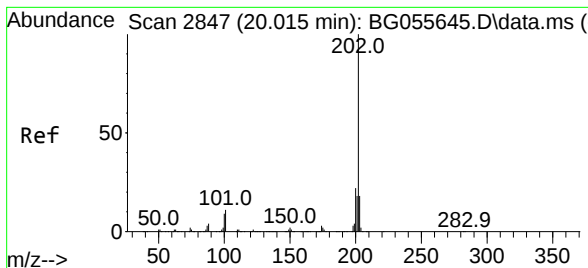


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.872 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:240 Resp: 274117
Ion Ratio Lower Upper
240 100
120 7.3 6.3 9.5
236 26.6 21.9 32.9





#78

Pyrene

Concen: 56.763 ng

RT: 19.986 min Scan# 2842

Delta R.T. 0.006 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

Tgt Ion:202 Resp: 1053210

Ion Ratio Lower Upper

202 100

200 23.3 17.8 26.6

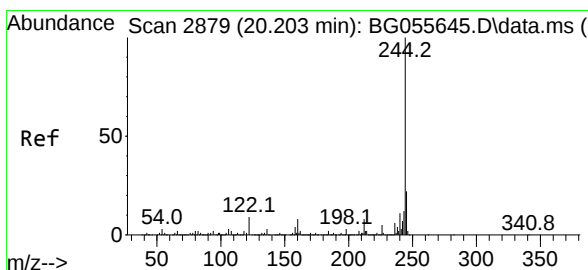
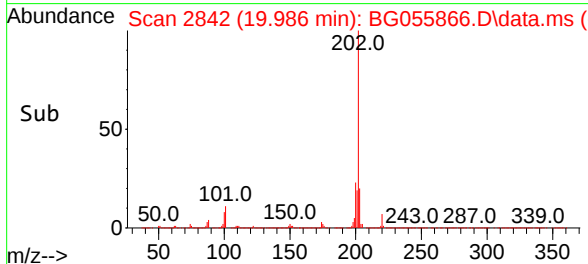
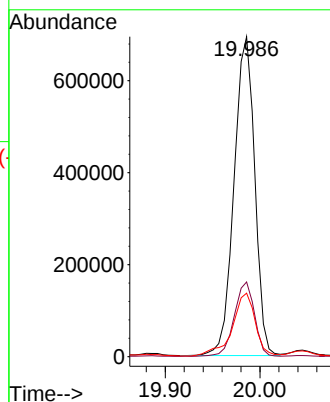
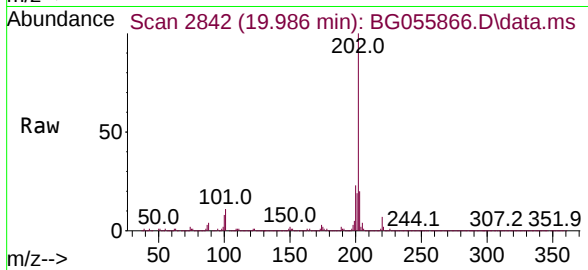
203 19.8 14.4 21.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#79

Terphenyl-d14

Concen: 31.525 ng

RT: 20.162 min Scan# 2872

Delta R.T. 0.000 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

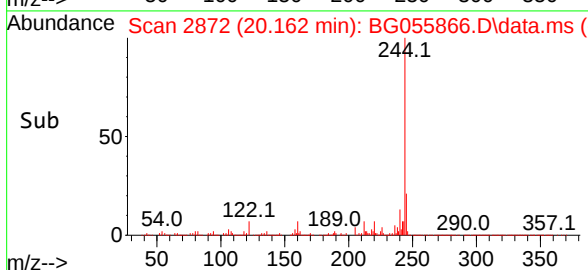
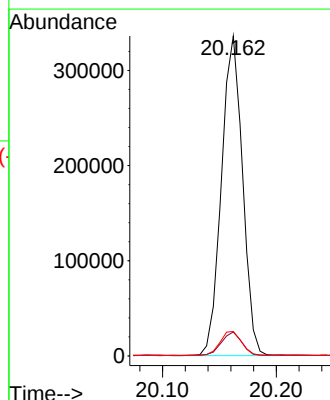
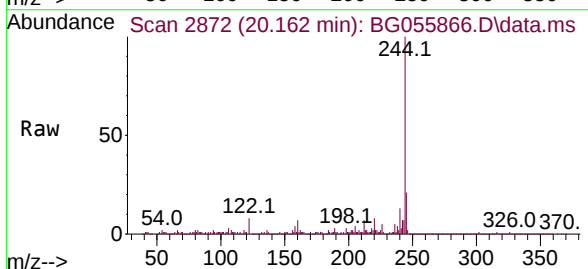
Tgt Ion:244 Resp: 432049

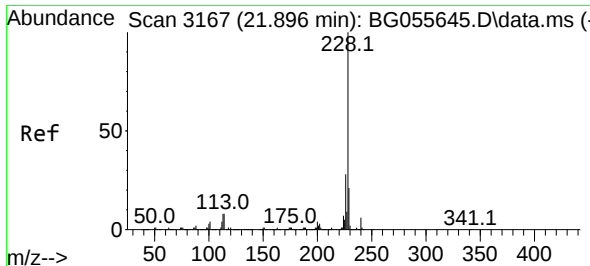
Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

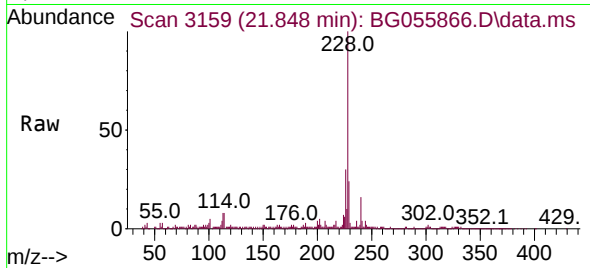
122 7.6 6.9 10.3





#81
Benzo(a)anthracene
Concen: 17.731 ng
RT: 21.848 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

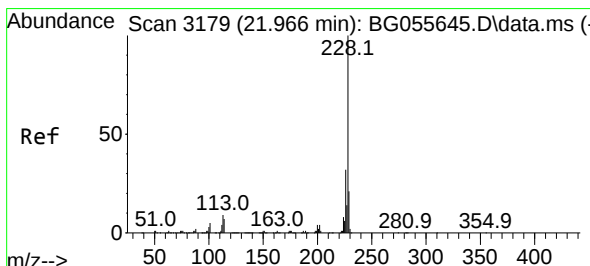
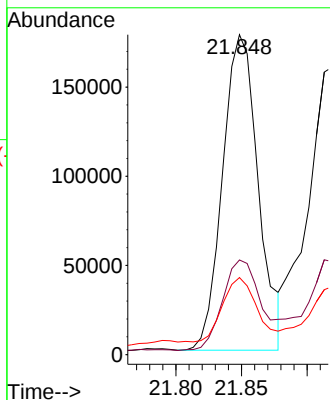
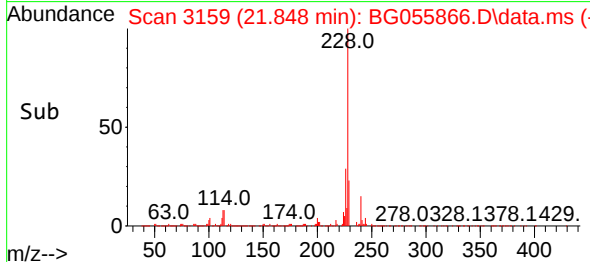
Instrument :
BNA_G
ClientSampleId :
OK-3-113022



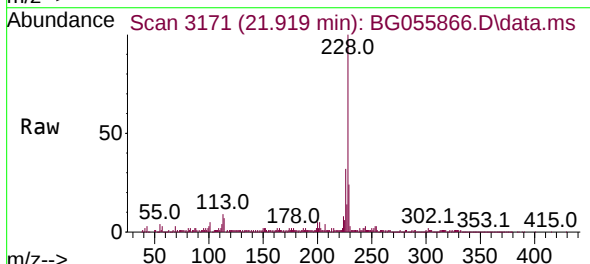
Tgt Ion:228 Resp: 334752
Ion Ratio Lower Upper
228 100
226 29.6 22.7 34.1
229 24.1 16.5 24.7

Manual Integrations
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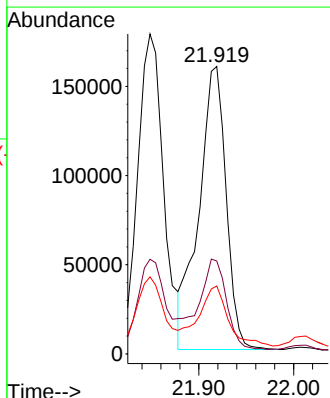
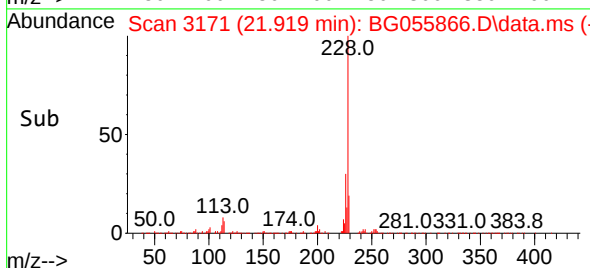
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

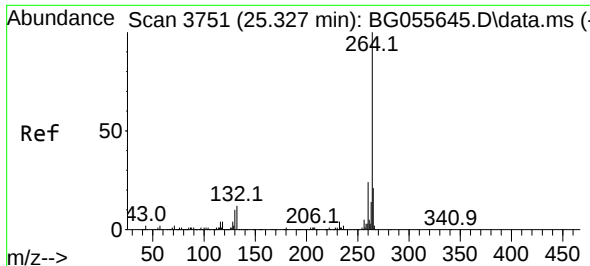


#83
Chrysene
Concen: 17.750 ng
RT: 21.919 min Scan# 3171
Delta R.T. 0.000 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:228 Resp: 319038
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 23.6 17.1 25.7





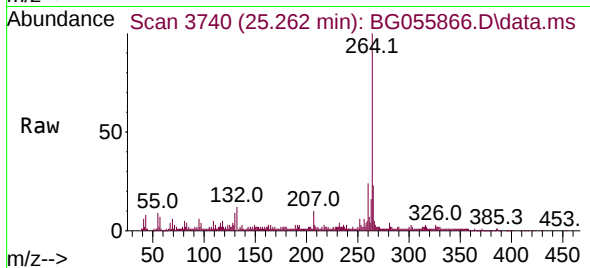
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.262 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

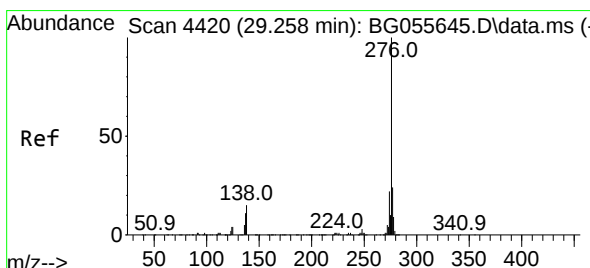
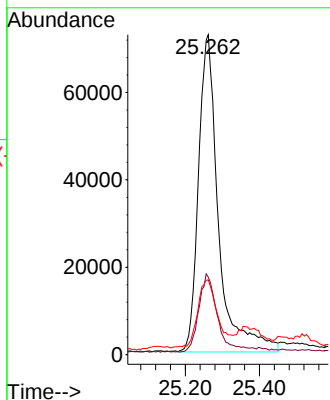
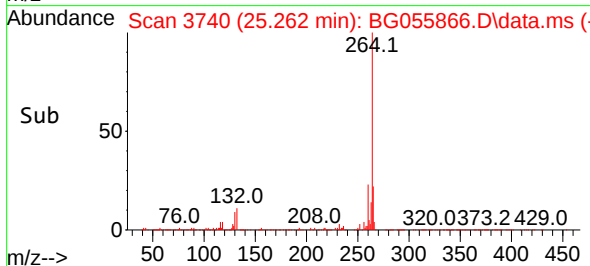


Tgt Ion:264 Resp: 271896
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 23.3 17.1 25.7

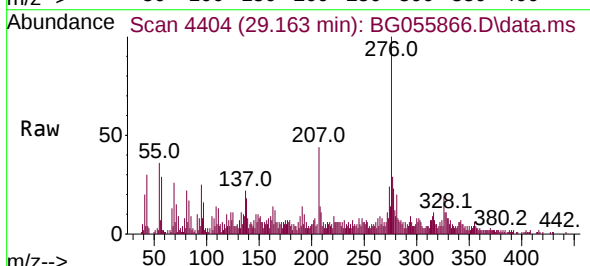
Manual Integrations

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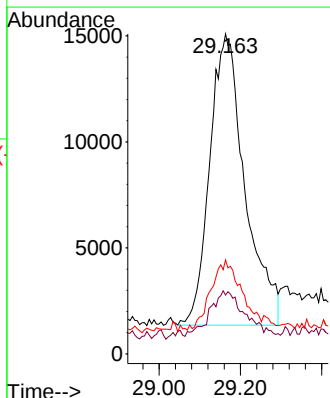
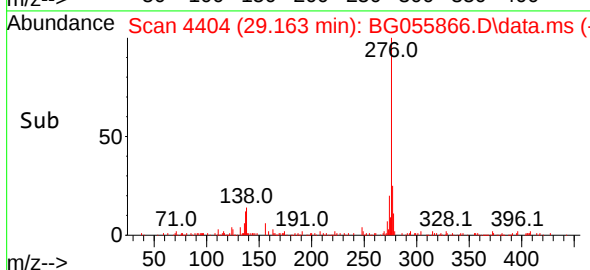
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

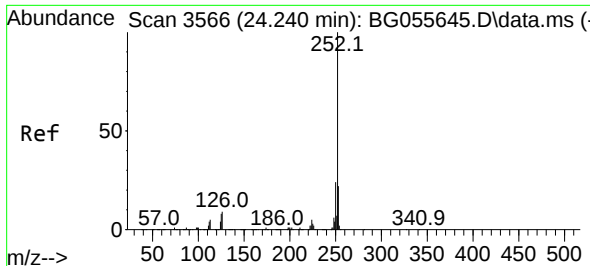


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.712 ng
RT: 29.163 min Scan# 4404
Delta R.T. 0.012 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



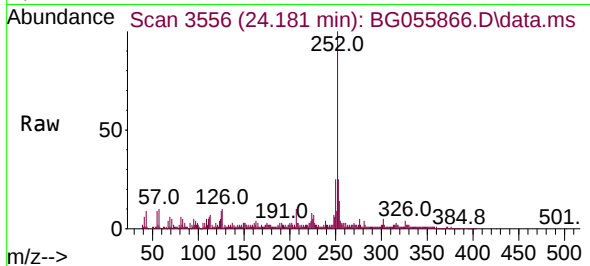
Tgt Ion:276 Resp: 82691
Ion Ratio Lower Upper
276 100
138 15.5 10.4 15.6
277 21.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 14.714 ng m
RT: 24.181 min Scan# 3556
Delta R.T. 0.012 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05

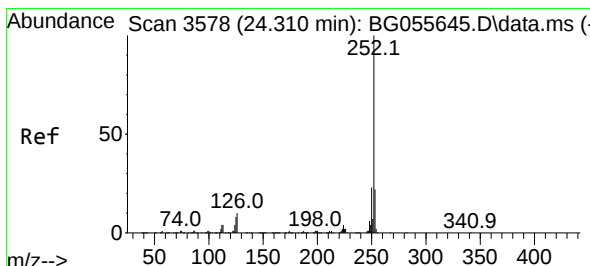
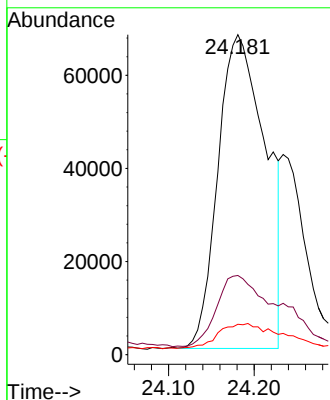
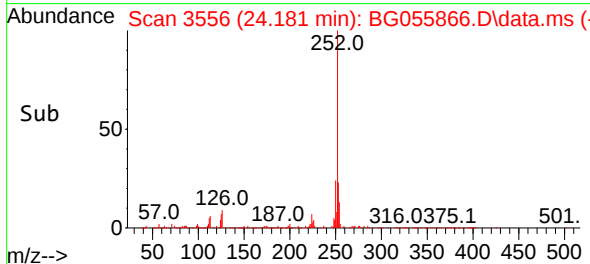
Instrument :
BNA_G
ClientSampleId :
OK-3-113022



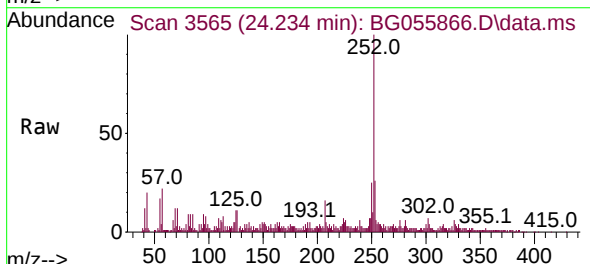
Tgt Ion:252 Resp: 26054
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 9.5 6.2 9.2

Manual Integrations
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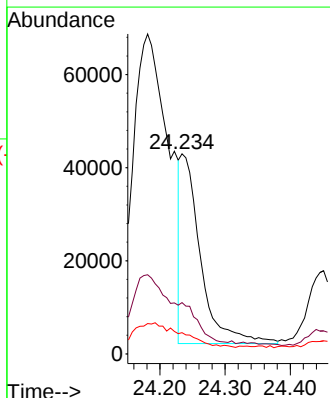
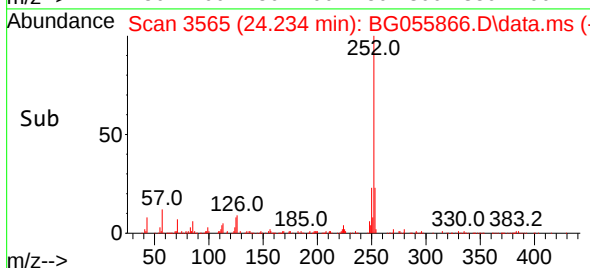
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

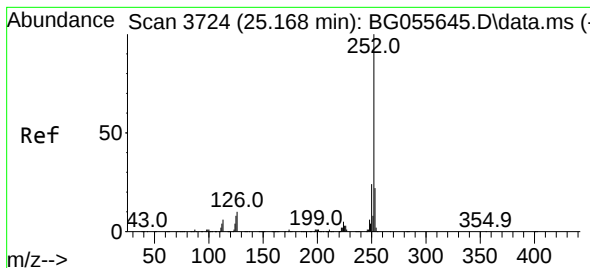


#89
Benzo(k)fluoranthene
Concen: 4.909 ng m
RT: 24.234 min Scan# 3565
Delta R.T. -0.006 min
Lab File: BG055866.D
Acq: 1 Dec 2022 22:05



Tgt Ion:252 Resp: 86644
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 10.6 6.1 9.1





#90

Benzo(a)pyrene

Concen: 18.300 ng

RT: 25.098 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

Instrument :

BNA_G

ClientSampleId :

OK-3-113022

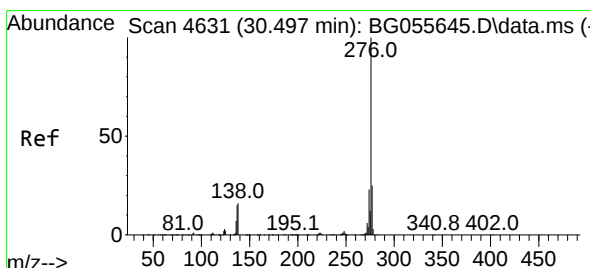
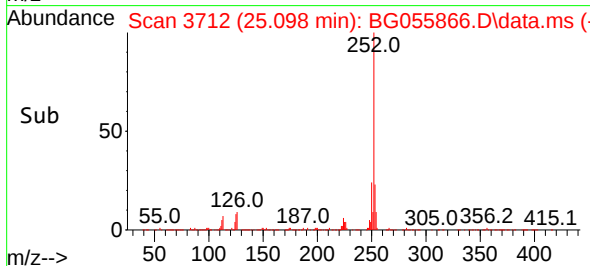
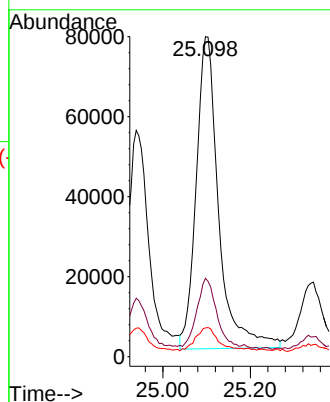
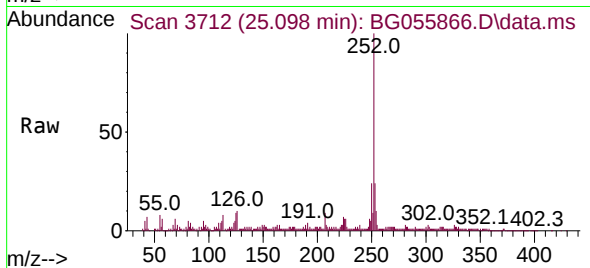
Tgt Ion:	252	Resp:	278073
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	9.0	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#92

Benzo(g,h,i)perylene

Concen: 6.388 ng

RT: 30.397 min Scan# 4614

Delta R.T. 0.024 min

Lab File: BG055866.D

Acq: 1 Dec 2022 22:05

Tgt Ion:	276	Resp:	117192
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.8	29.6
138	18.5	13.1	19.7

