

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055895.D
 Acq On : 5 Dec 2022 21:55
 Operator : CG/JU
 Sample : N5868-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-0

Quant Time: Dec 06 04:49:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 04:41:17 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/06/2022
 Supervised By :Jagrut Upadhyay 12/06/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.171	152	38117	20.000	ng	0.00
21) Naphthalene-d8	11.003	136	170261	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	120784	20.000	ng	0.00
64) Phenanthrene-d10	17.542	188	260649	20.000	ng	0.00
76) Chrysene-d12	21.825	240	242061	20.000	ng	-0.01
86) Perylene-d12	25.180	264	251990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	250042	118.571	ng	0.00
7) Phenol-d6	7.330	99	330851	117.860	ng	0.00
23) Nitrobenzene-d5	9.346	82	205720	63.862	ng	0.00
42) 2,4,6-Tribromophenol	16.290	330	151361	88.994	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	476824	59.142	ng	0.00
79) Terphenyl-d14	20.133	244	706020	58.338	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.583	178	93373	6.638	ng	97
75) Fluoranthene	19.587	202	148284	8.666	ng	98
78) Pyrene	19.945	202	151477	9.245	ng	99
81) Benzo(a)anthracene	21.808	228	78917	4.733	ng	98
83) Chrysene	21.872	228	82418m	5.193	ng	
87) Indeno(1,2,3-cd)pyrene	29.028	276	54950	2.662	ng	# 64
88) Benzo(b)fluoranthene	24.105	252	107833	6.571	ng	97
89) Benzo(k)fluoranthene	24.169	252	33600m	2.054	ng	
90) Benzo(a)pyrene	25.021	252	83093	5.900	ng	97
92) Benzo(g,h,i)perylene	30.245	276	67873	3.992	ng	98

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

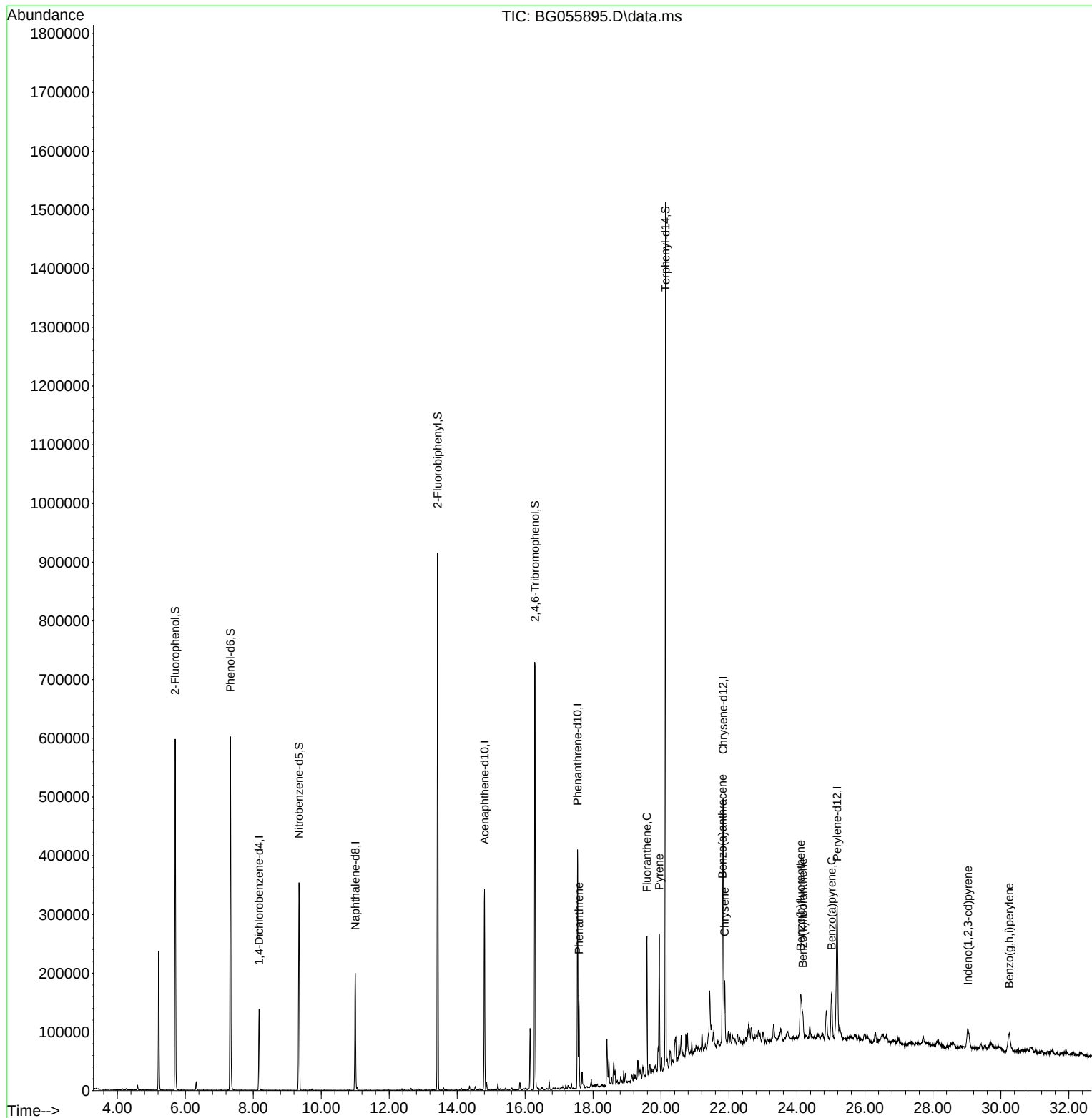
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
Data File : BG055895.D
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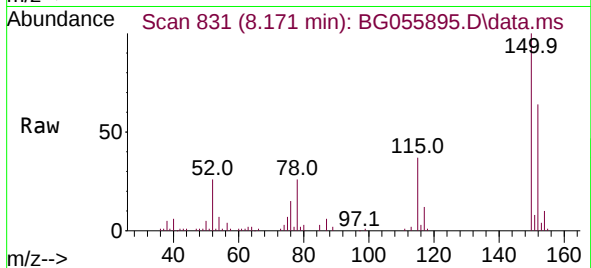
Reviewed By : Christian Giraldo 12/06/2022
Supervised By : Jagrut Upadhyay 12/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.171 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

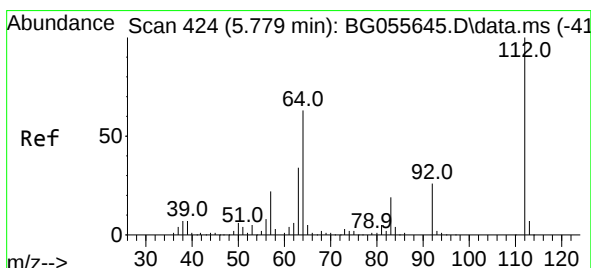
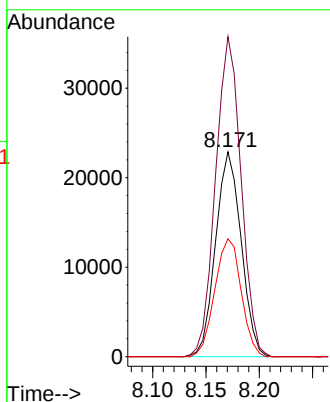
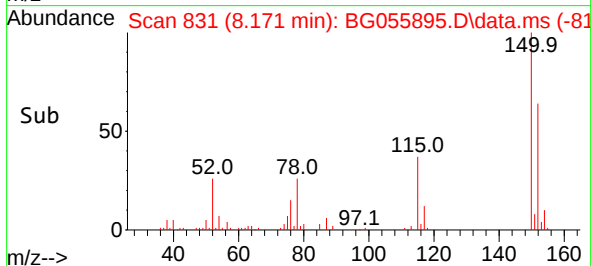
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BNA_G
ClientSampleId :
TP-0



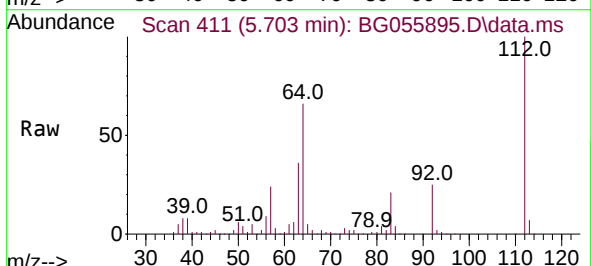
Tgt Ion:152 Resp: 38117
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 57.5 47.0 70.4

Manual Integrations
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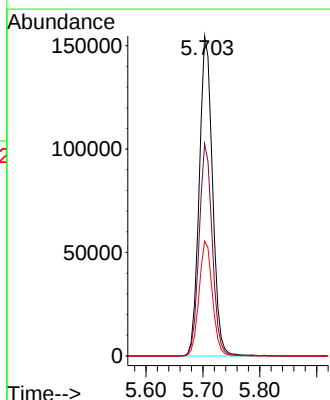
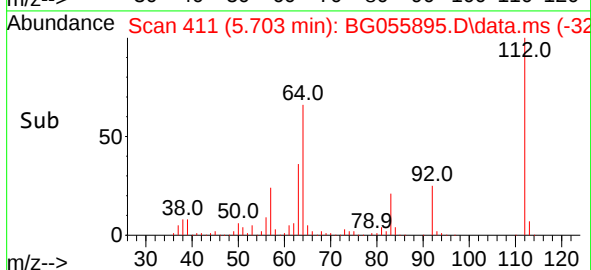
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

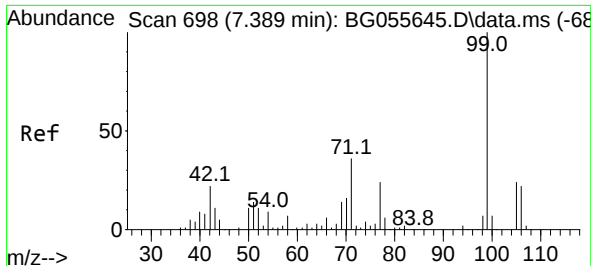


#5
2-Fluorophenol
Concen: 118.571 ng
RT: 5.703 min Scan# 411
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



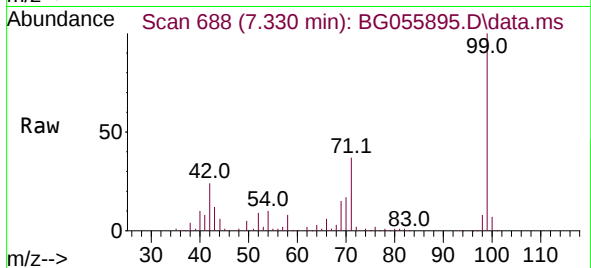
Tgt Ion:112 Resp: 250042
Ion Ratio Lower Upper
112 100
64 66.3 50.6 76.0
63 35.9 27.5 41.3





#7
Phenol-d6
Concen: 117.860 ng
RT: 7.330 min Scan# 688
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

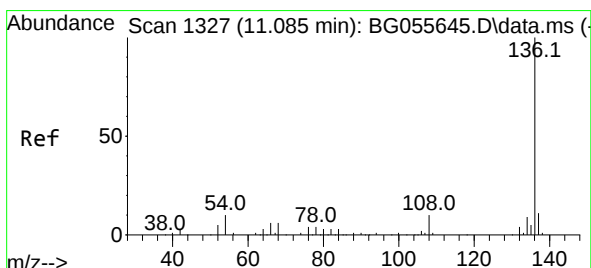
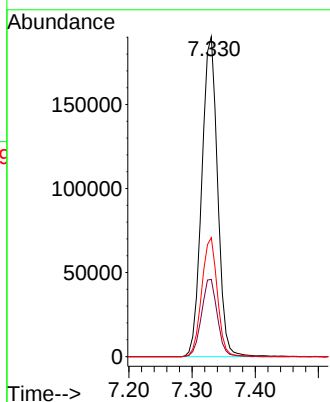
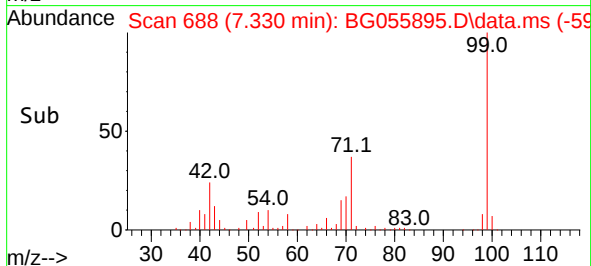
Instrument :
BNA_G
ClientSampleId :
TP-0



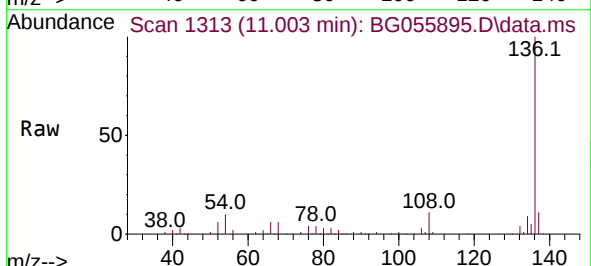
Tgt Ion: 99 Resp: 33085
Ion Ratio Lower Upper
99 100
42 24.1 18.0 27.0
71 37.2 29.0 43.6

Manual Integrations
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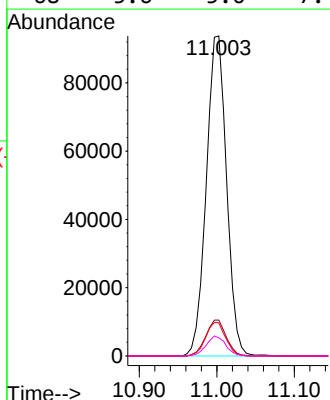
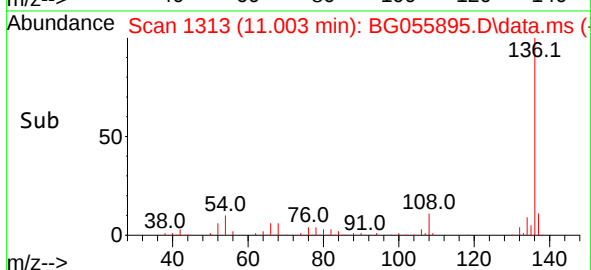
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.003 min Scan# 1313
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



Tgt Ion:136 Resp: 170261
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.3 7.8 11.6
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 63.862 ng

RT: 9.346 min Scan# 1045

Delta R.T. -0.005 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

TP-0

Tgt Ion: 82 Resp: 205720

Ion Ratio Lower Upper

82 100

128 41.6 34.1 51.1

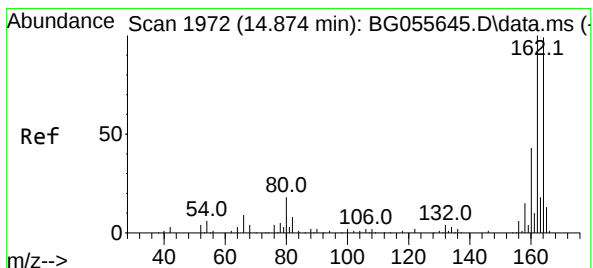
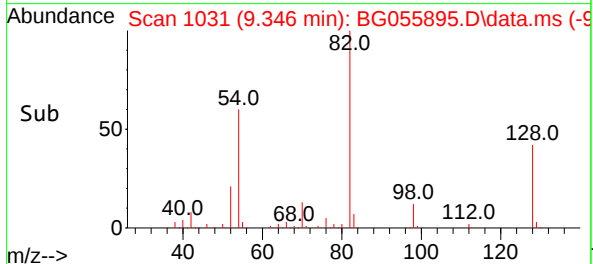
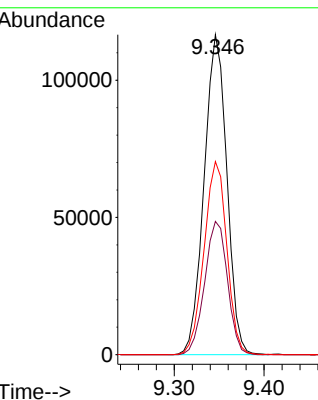
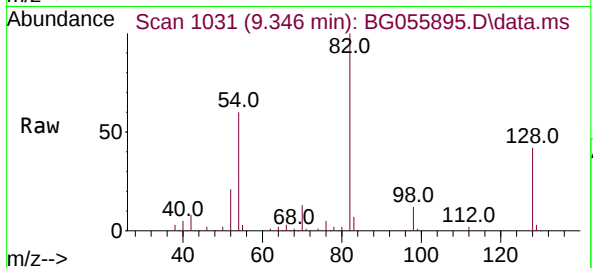
54 60.3 47.3 70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.804 min Scan# 1960

Delta R.T. -0.005 min

Lab File: BG055895.D

Acq: 5 Dec 2022 21:55

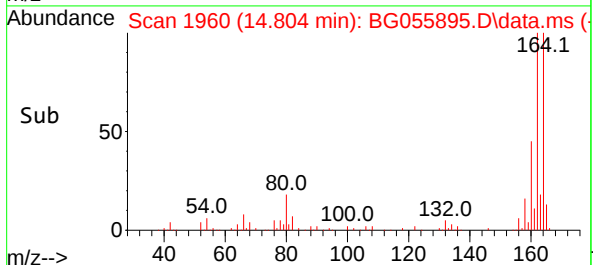
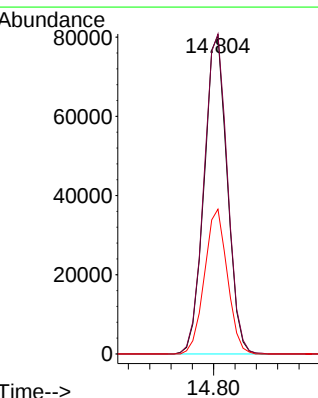
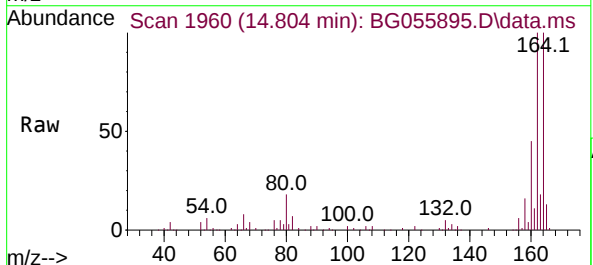
Tgt Ion:164 Resp: 120784

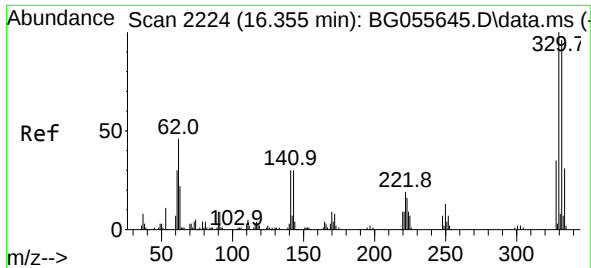
Ion Ratio Lower Upper

164 100

162 100.5 81.1 121.7

160 45.4 34.8 52.2





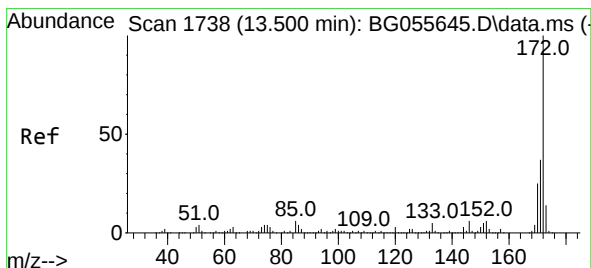
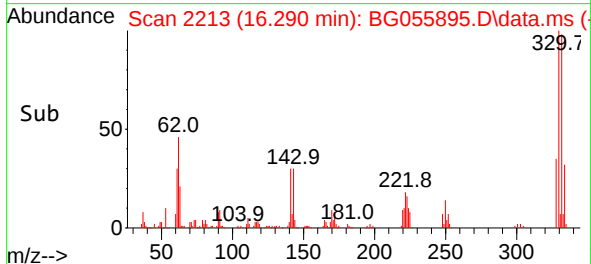
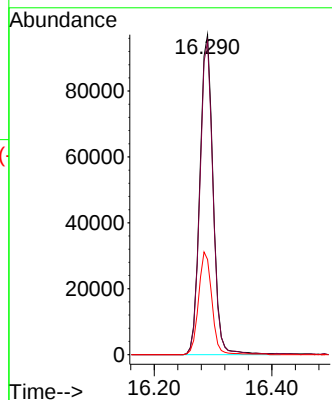
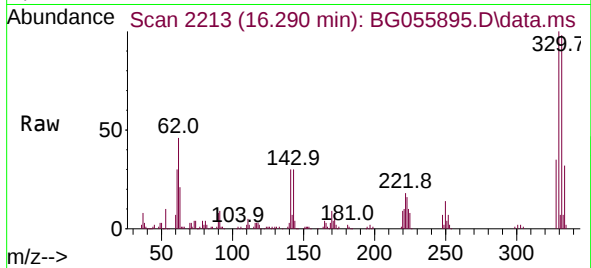
#42
2,4,6-Tribromophenol
Concen: 88.994 ng
RT: 16.290 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Instrument :
BNA_G
ClientSampleId :
TP-0

Tgt Ion:330 Resp: 15136
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 32.3 23.9 35.9

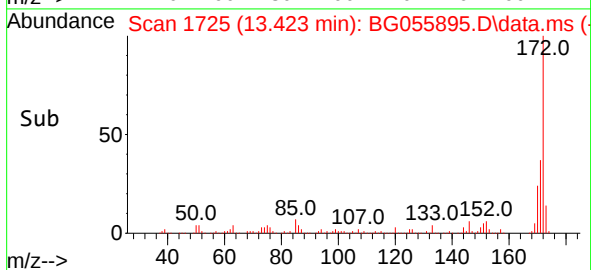
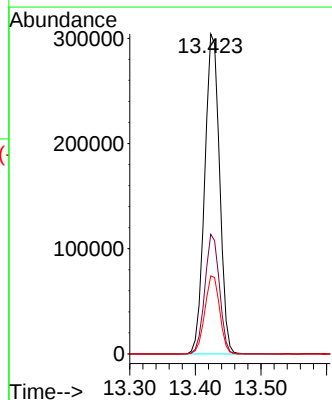
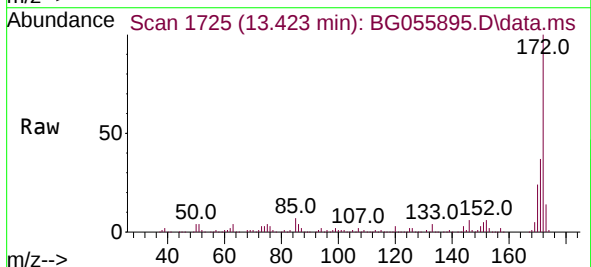
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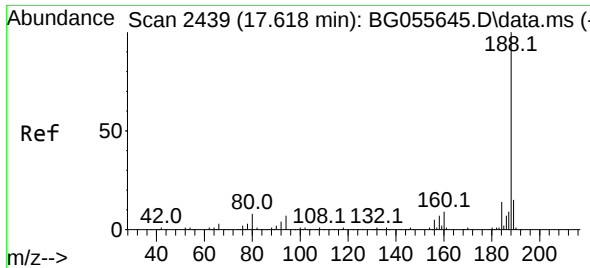
Reviewed By :Christian Giraldo 12/06/2022
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#45
2-Fluorobiphenyl
Concen: 59.142 ng
RT: 13.423 min Scan# 1725
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

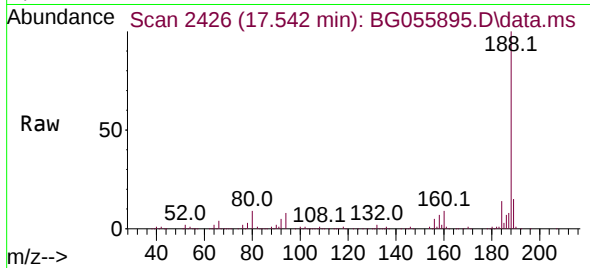
Tgt Ion:172 Resp: 476824
Ion Ratio Lower Upper
172 100
171 37.4 29.8 44.6
170 24.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.542 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

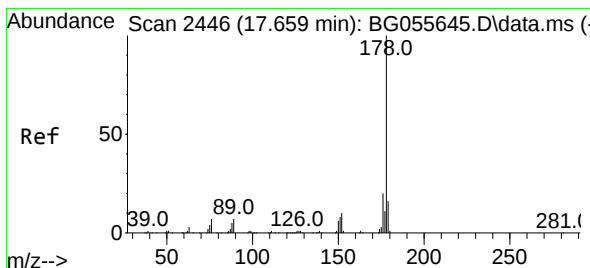
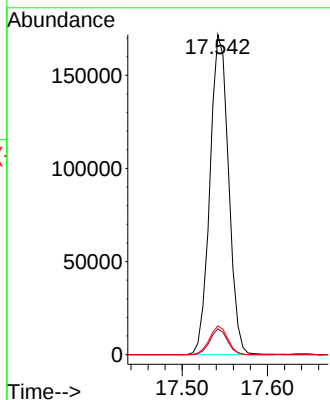
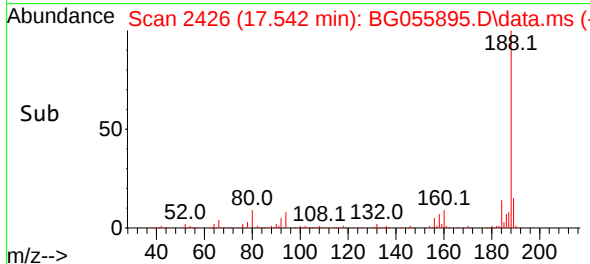
Instrument :
BNA_G
ClientSampleId :
TP-0



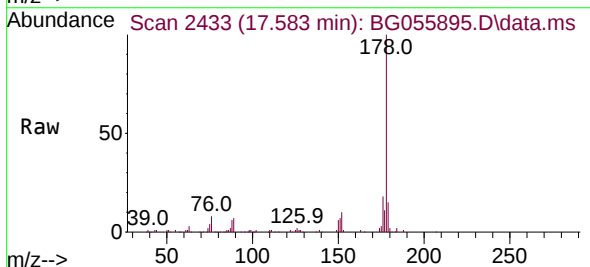
Tgt Ion:188 Resp: 260649
Ion Ratio Lower Upper
188 100
94 8.1 5.4 8.2
80 9.0 6.6 10.0

Manual Integrations
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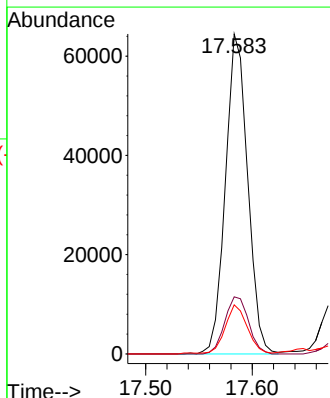
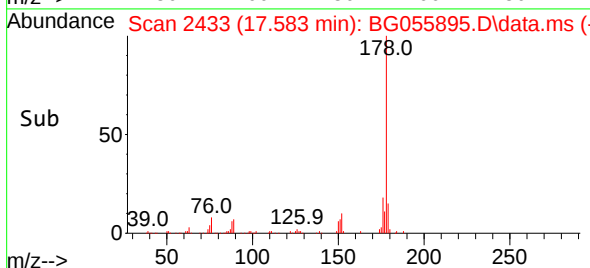
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

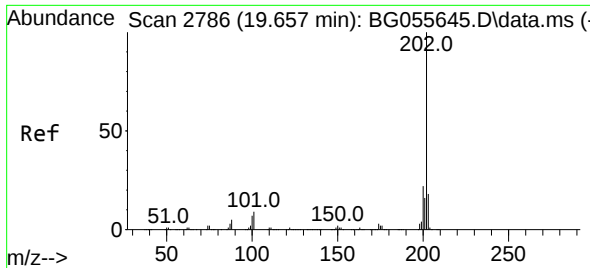


#71
Phenanthrene
Concen: 6.638 ng
RT: 17.583 min Scan# 2433
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



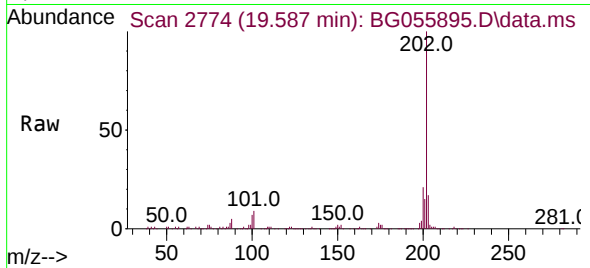
Tgt Ion:178 Resp: 93373
Ion Ratio Lower Upper
178 100
176 17.8 16.0 24.0
179 15.3 12.7 19.1





#75
Fluoranthene
Concen: 8.666 ng
RT: 19.587 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

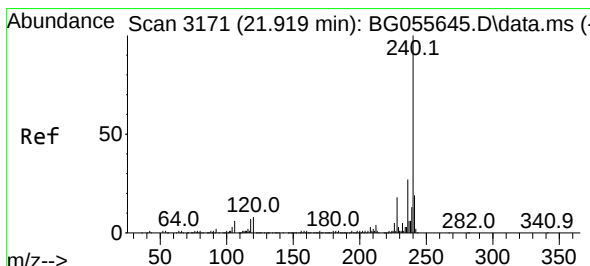
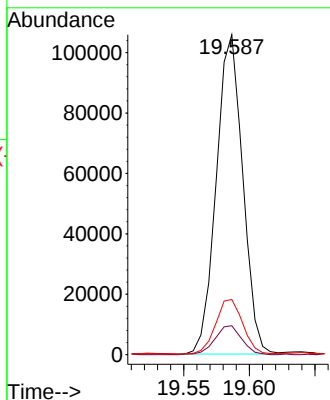
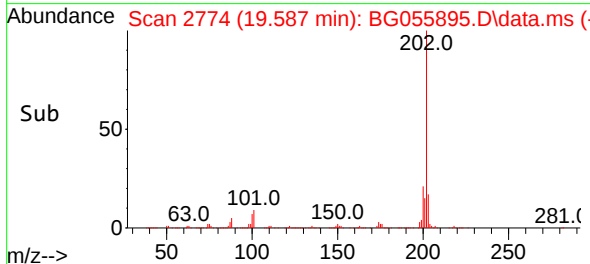
Instrument :
BNA_G
ClientSampleId :
TP-0



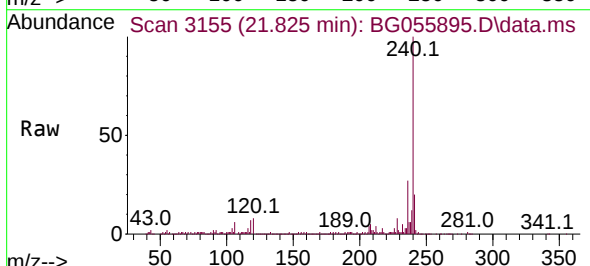
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Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.8
203 17.2 0.0 38.1

Manual Integrations
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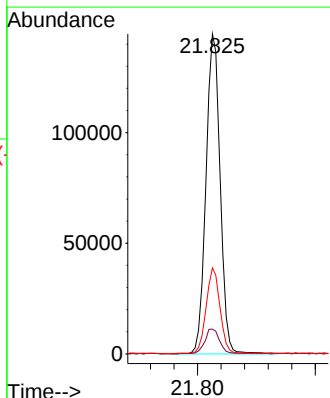
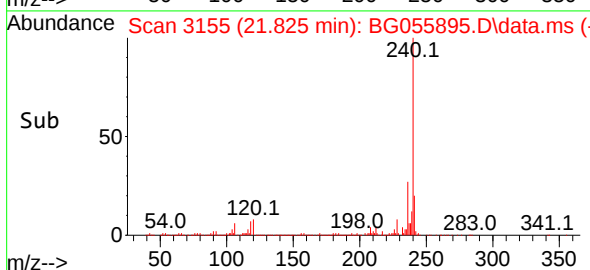
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

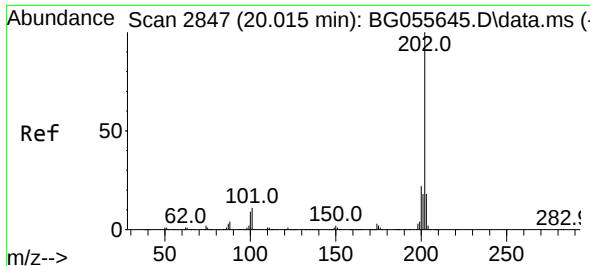


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.825 min Scan# 3155
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



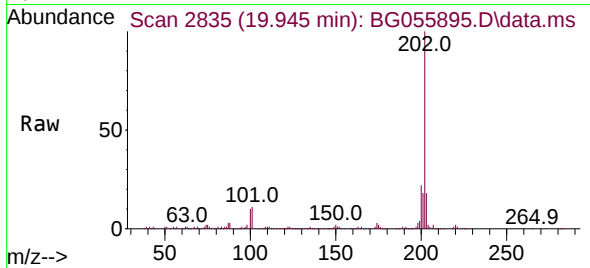
Tgt Ion:240 Resp: 242061
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 26.9 21.9 32.9





#78
Pyrene
Concen: 9.245 ng
RT: 19.945 min Scan# 2847
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

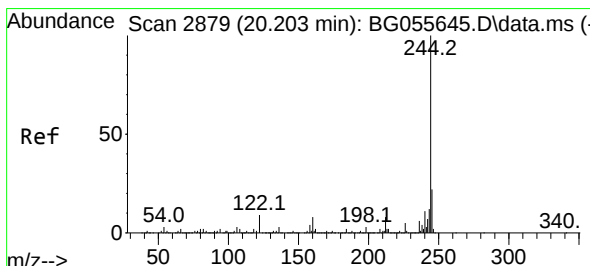
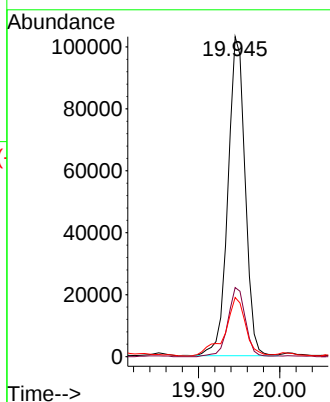
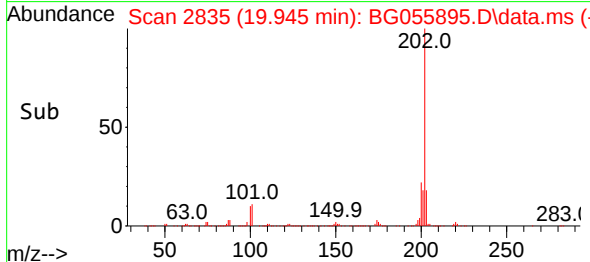
Instrument :
BNA_G
ClientSampleId :
TP-0



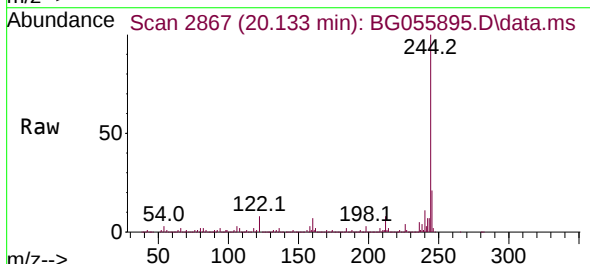
Tgt Ion:202 Resp: 151477
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.5 14.4 21.6

Manual Integrations
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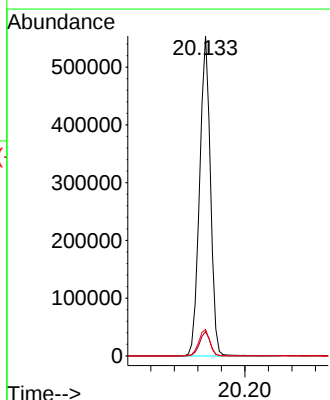
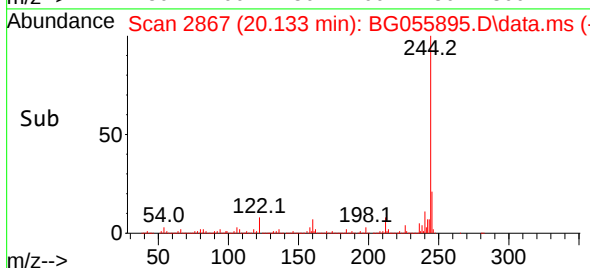
Reviewed By :Christian Giraldo 12/06/2022
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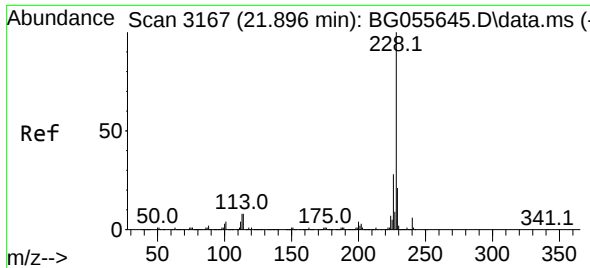


#79
Terphenyl-d14
Concen: 58.338 ng
RT: 20.133 min Scan# 2867
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



Tgt Ion:244 Resp: 706020
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 8.2 6.9 10.3





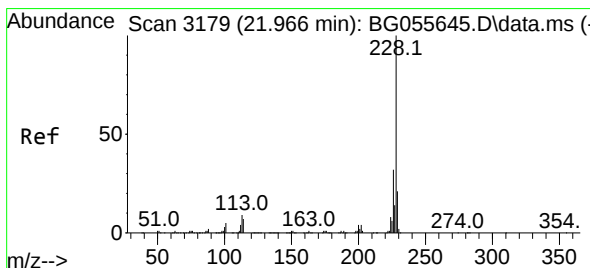
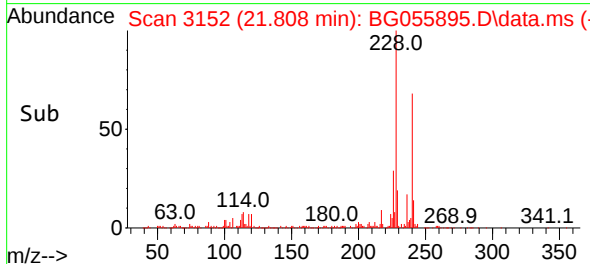
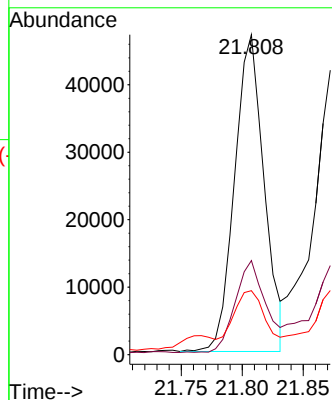
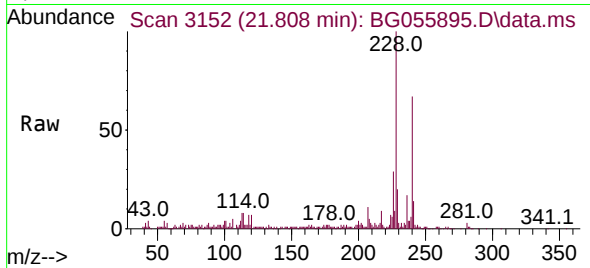
#81
Benzo(a)anthracene
Concen: 4.733 ng
RT: 21.808 min Scan# 3163
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

Instrument :
BNA_G
ClientSampleId :
TP-0

Tgt Ion:228 Resp: 78917
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 20.0 16.5 24.7

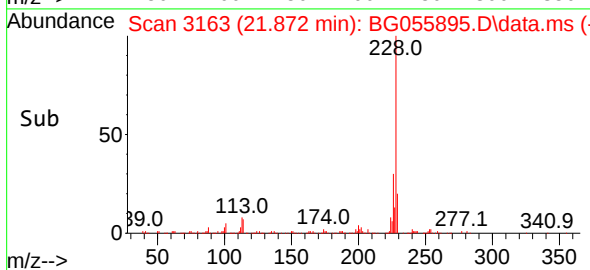
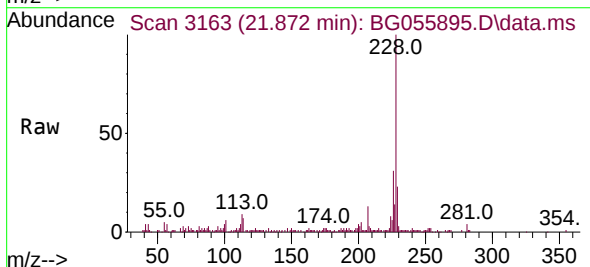
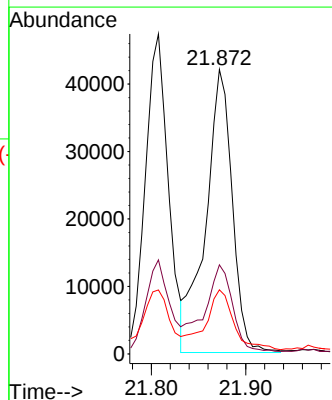
Manual Integrations
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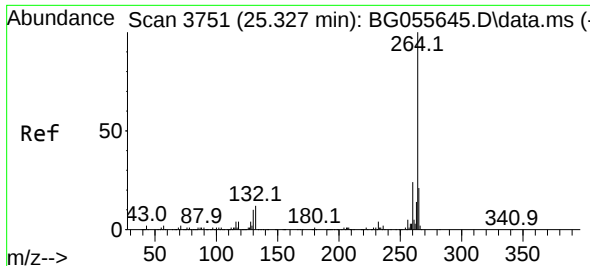
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#83
Chrysene
Concen: 5.193 ng m
RT: 21.872 min Scan# 3163
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

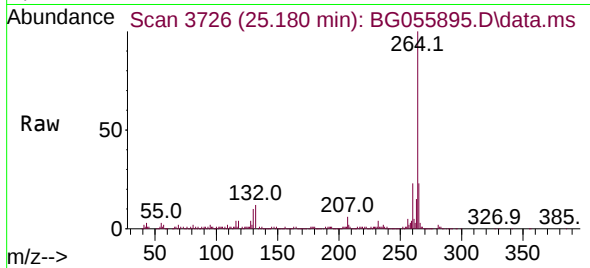
Tgt Ion:228 Resp: 82418
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.2
229 22.5 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

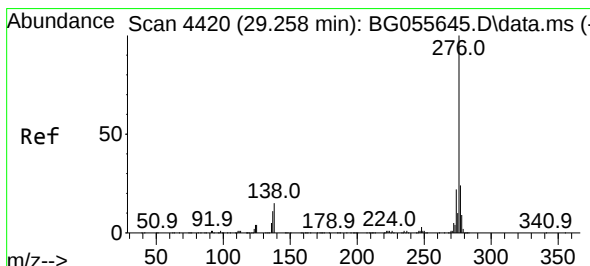
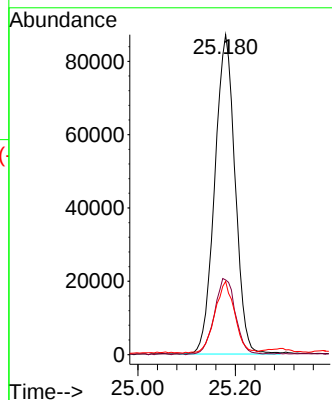
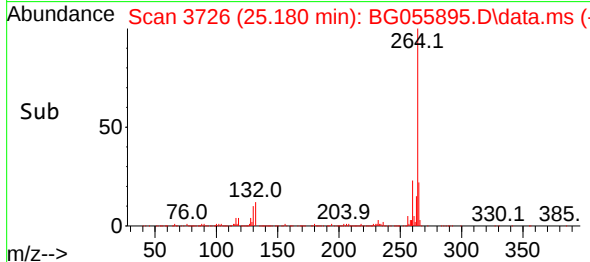
Instrument :
BNA_G
ClientSampleId :
TP-0



Tgt Ion:264 Resp: 251996
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.9 17.1 25.7

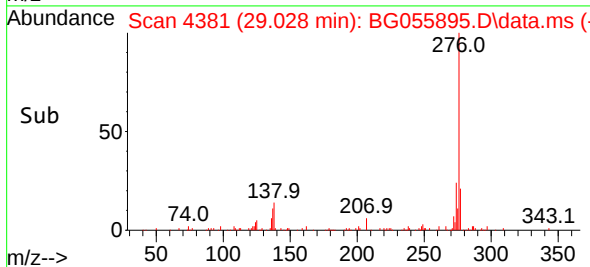
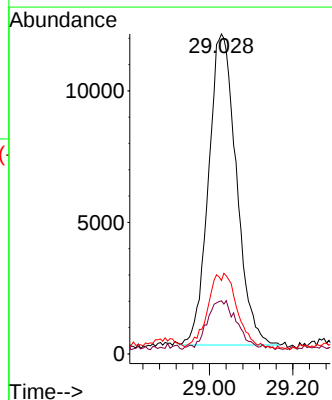
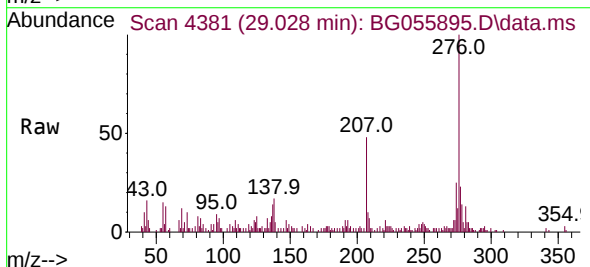
Manual Integrations
APPROVED

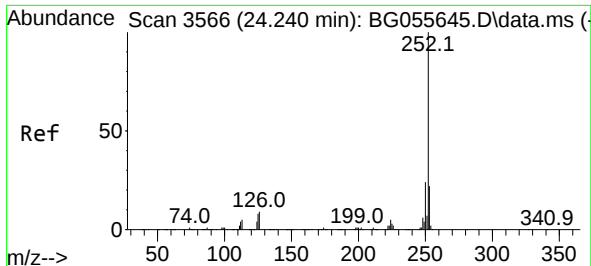
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.662 ng
RT: 29.028 min Scan# 4381
Delta R.T. -0.028 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

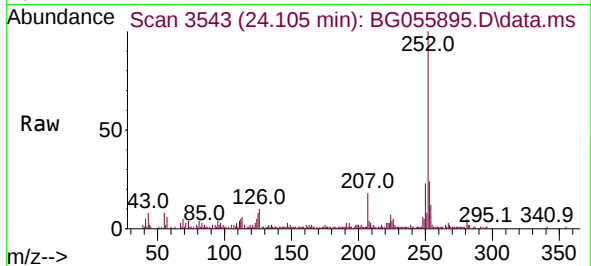
Tgt Ion:276 Resp: 54950
Ion Ratio Lower Upper
276 100
138 16.7 10.4 15.6#
277 0.0 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 6.571 ng
RT: 24.105 min Scan# 3543
Delta R.T. -0.011 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

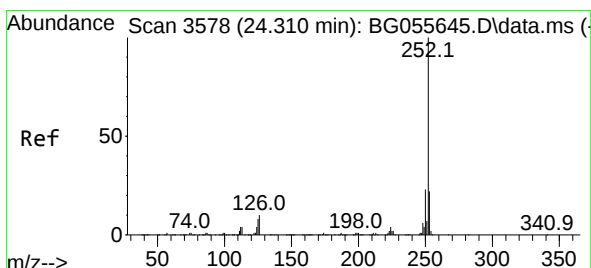
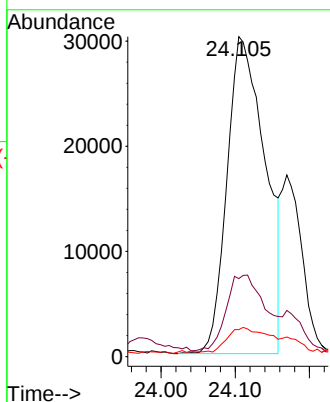
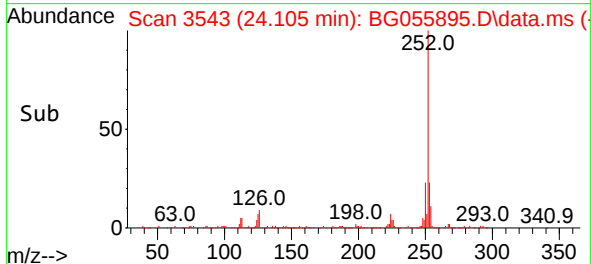
Instrument :
BNA_G
ClientSampleId :
TP-0



Tgt Ion:252 Resp: 107833
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 8.4 6.2 9.2

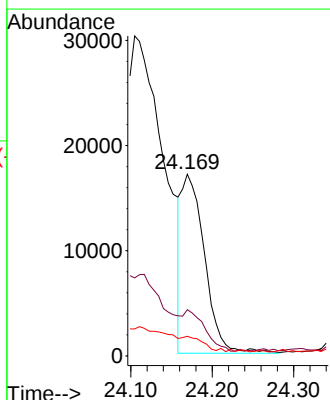
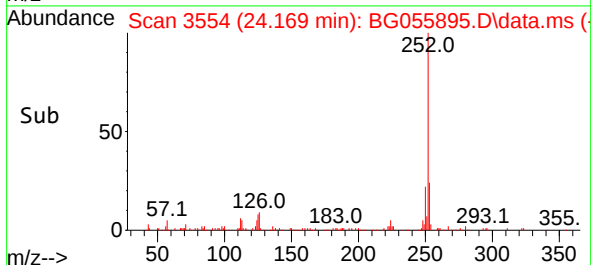
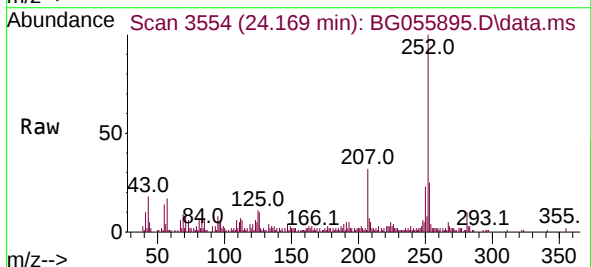
Manual Integrations
APPROVED

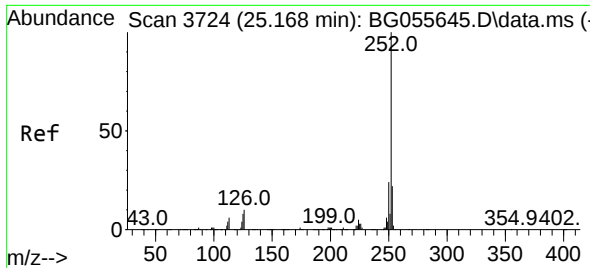
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#89
Benzo(k)fluoranthene
Concen: 2.054 ng m
RT: 24.169 min Scan# 3554
Delta R.T. -0.017 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

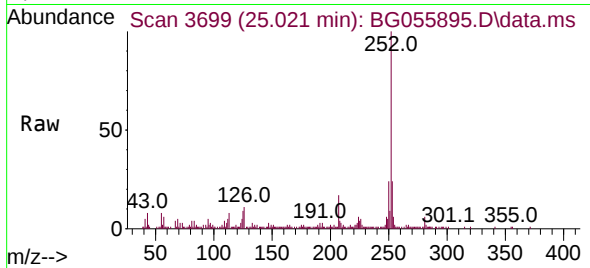
Tgt Ion:252 Resp: 33600
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 10.8 6.1 9.1#





#90
Benzo(a)pyrene
Concen: 5.900 ng
RT: 25.021 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55

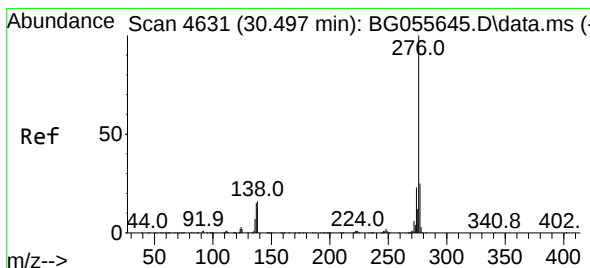
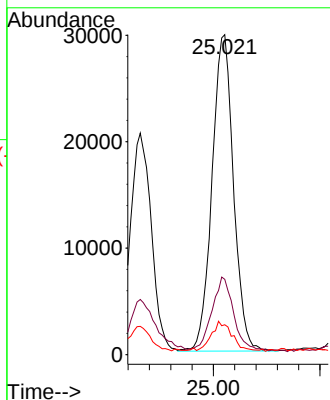
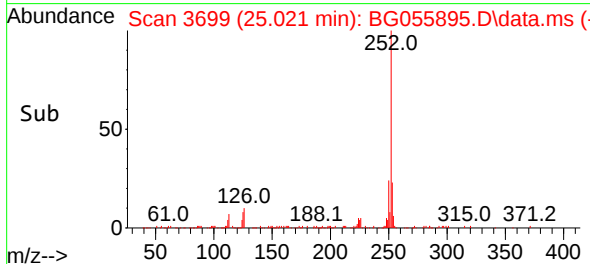
Instrument :
BNA_G
ClientSampleId :
TP-0



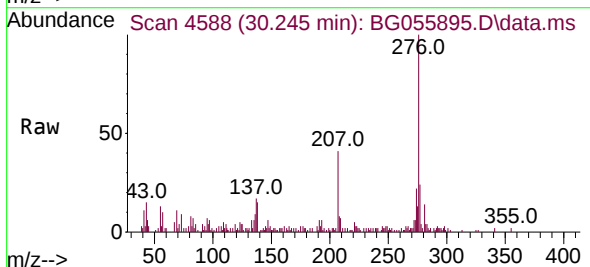
Tgt Ion:252 Resp: 83093
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.3 6.4 9.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#92
Benzo(g,h,i)perylene
Concen: 3.992 ng
RT: 30.245 min Scan# 4588
Delta R.T. -0.023 min
Lab File: BG055895.D
Acq: 5 Dec 2022 21:55



Tgt Ion:276 Resp: 67873
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.6
138 15.1 13.1 19.7

