

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055897.D
 Acq On : 5 Dec 2022 23:16
 Operator : CG/JU
 Sample : N5872-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-120222

Manual Integrations
 APPROVED

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

Quant Time: Dec 06 04:49:36 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.176	152	43880	20.000	ng	0.00
21) Naphthalene-d8	11.003	136	180886	20.000	ng	0.00
39) Acenaphthene-d10	14.804	164	114797	20.000	ng	0.00
64) Phenanthrene-d10	17.548	188	238938	20.000	ng	0.00
76) Chrysene-d12	21.831	240	226556	20.000	ng	0.00
86) Perylene-d12	25.192	264	223506	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.709	112	241947	99.664	ng	0.00
7) Phenol-d6	7.330	99	311824	96.493	ng	0.00
23) Nitrobenzene-d5	9.346	82	201233	58.800	ng	0.00
42) 2,4,6-Tribromophenol	16.290	330	133102	82.340	ng	0.00
45) 2-Fluorobiphenyl	13.429	172	462849	60.403	ng	0.00
79) Terphenyl-d14	20.133	244	655033	57.829	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.589	178	125326	9.720	ng	99
72) Anthracene	17.677	178	37031	2.956	ng	96
75) Fluoranthene	19.592	202	379014	24.162	ng	100
78) Pyrene	19.951	202	319188	20.814	ng	99
81) Benzo(a)anthracene	21.813	228	140790	9.023	ng	99
83) Chrysene	21.878	228	130411m	8.779	ng	
88) Benzo(b)fluoranthene	24.122	252	124285	8.538	ng	# 90
89) Benzo(k)fluoranthene	24.181	252	54982m	3.789	ng	
90) Benzo(a)pyrene	25.033	252	83090	6.652	ng	# 89

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

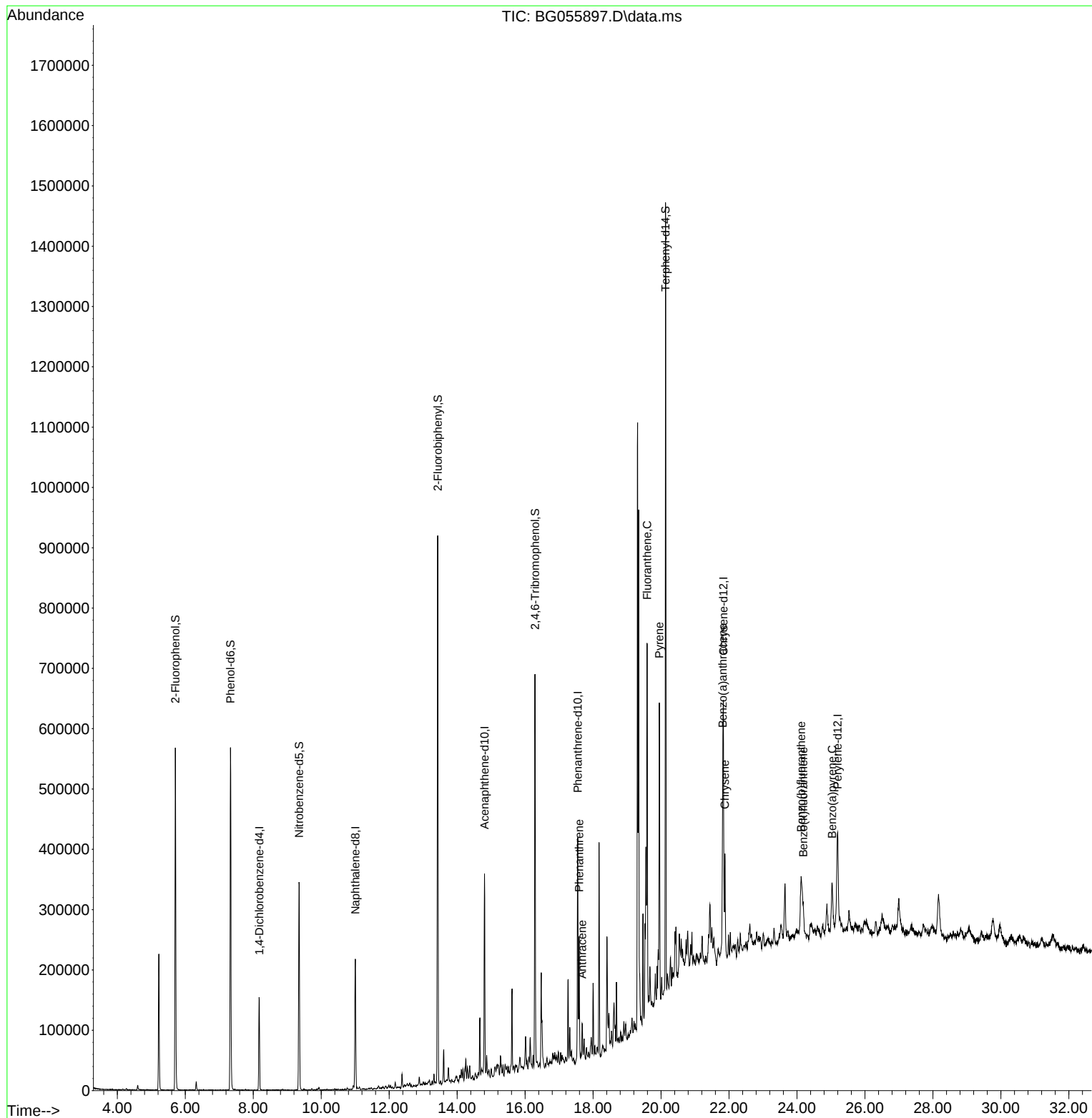
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
Data File : BG055897.D
Acq On : 5 Dec 2022 23:16
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 04:41:17 2022
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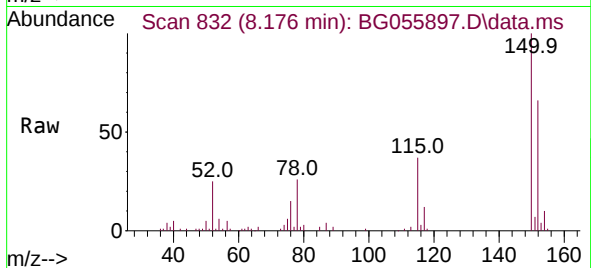
Reviewed By : Christian Giraldo 12/06/2022
Supervised By : Jagrut Upadhyay 12/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.176 min Scan# 845
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

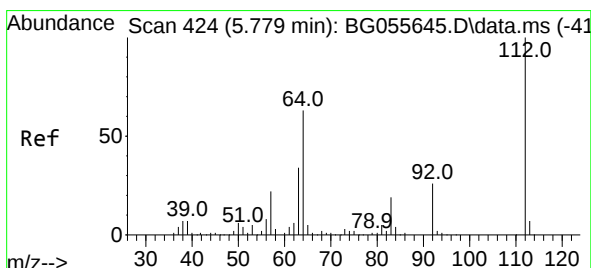
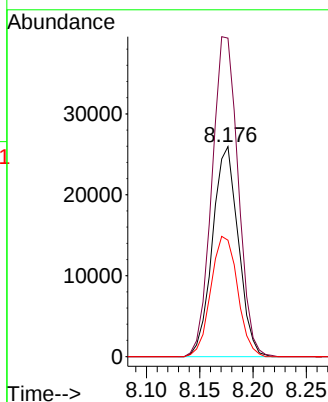
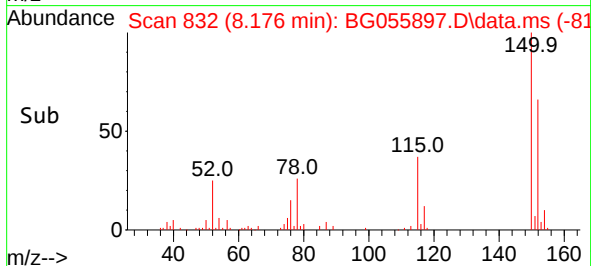
Instrument :
BNA_G
ClientSampleId :
HR-02-120222



Tgt Ion:152 Resp: 43880
Ion Ratio Lower Upper
152 100
150 151.7 123.0 184.6
115 55.4 47.0 70.4

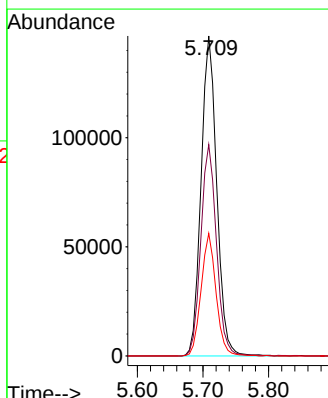
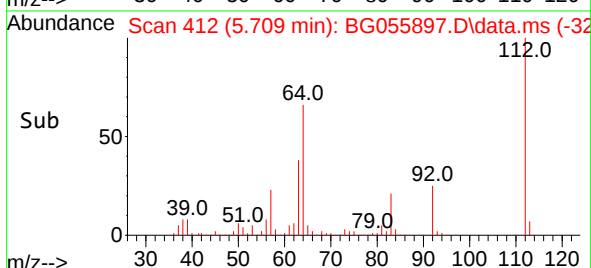
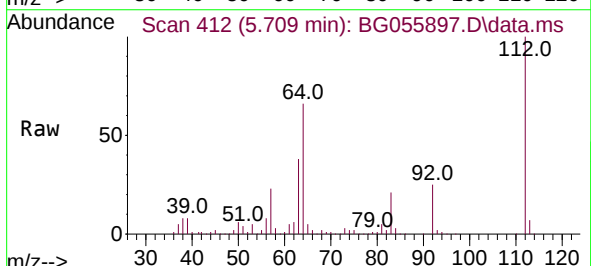
Manual Integrations
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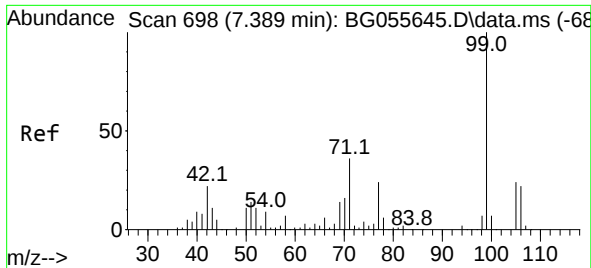
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#5
2-Fluorophenol
Concen: 99.664 ng
RT: 5.709 min Scan# 412
Delta R.T. 0.007 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

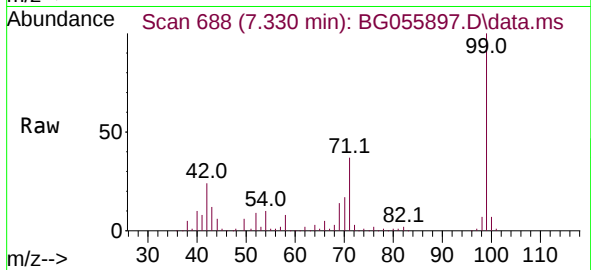
Tgt Ion:112 Resp: 241947
Ion Ratio Lower Upper
112 100
64 66.0 50.6 76.0
63 38.3 27.5 41.3





#7
Phenol-d6
Concen: 96.493 ng
RT: 7.330 min Scan# 688
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

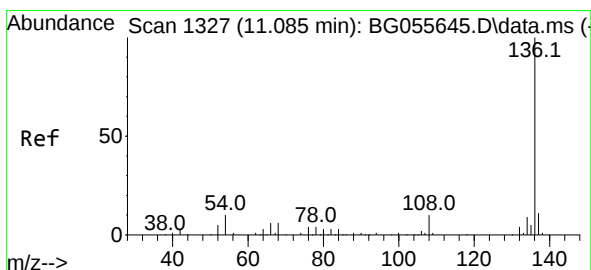
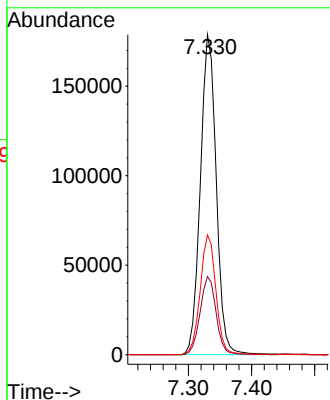
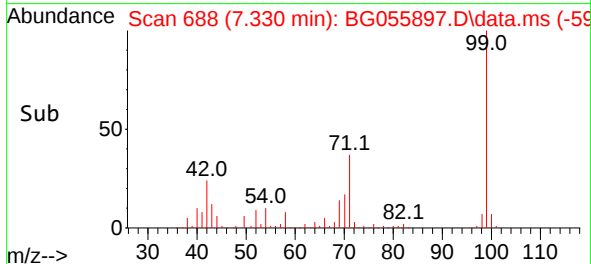
Instrument :
BNA_G
ClientSampleId :
HR-02-120222



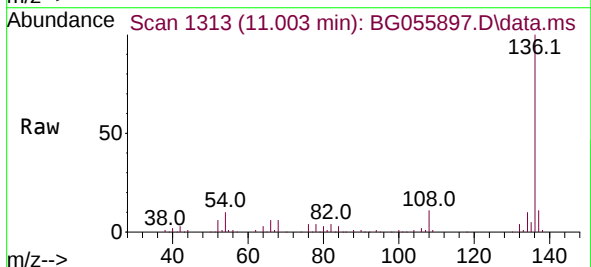
Tgt Ion: 99 Resp: 311824
Ion Ratio Lower Upper
99 100
42 24.4 18.0 27.0
71 37.4 29.0 43.6

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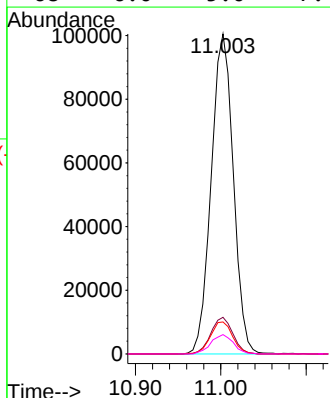
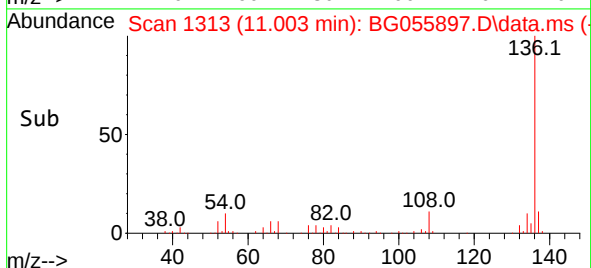
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

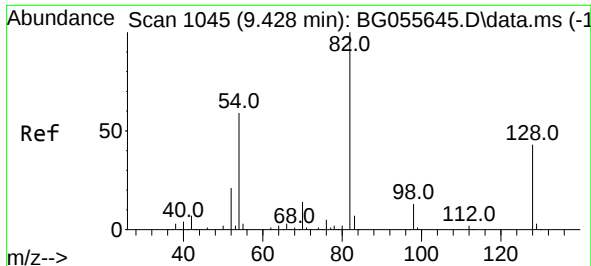


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.003 min Scan# 1313
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16



Tgt Ion:136 Resp: 180886
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.0 7.8 11.6
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 58.800 ng

RT: 9.346 min Scan# 1045

Delta R.T. -0.005 min

Lab File: BG055897.D

Acq: 5 Dec 2022 23:16

Instrument :

BNA_G

ClientSampleId :

HR-02-120222

Tgt Ion: 82 Resp: 201233

Ion Ratio Lower Upper

82 100

128 40.3 34.1 51.1

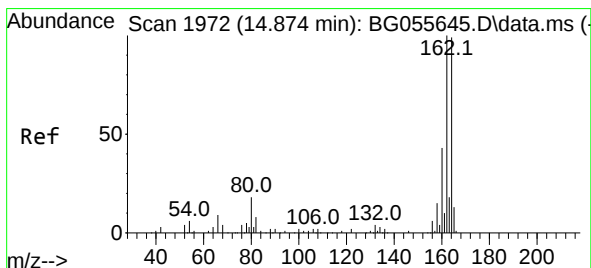
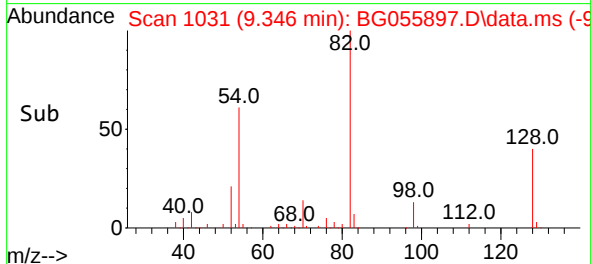
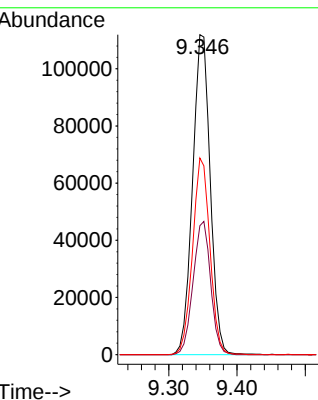
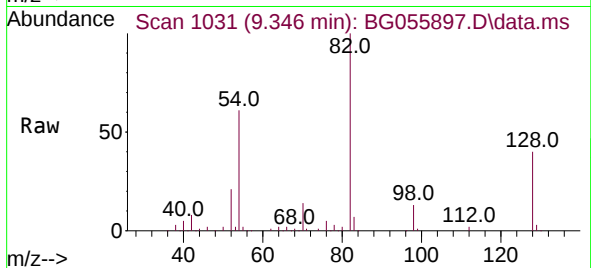
54 61.4 47.3 70.9

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Supervised By :Jagrut Upadhyay 12/06/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.804 min Scan# 1960

Delta R.T. -0.005 min

Lab File: BG055897.D

Acq: 5 Dec 2022 23:16

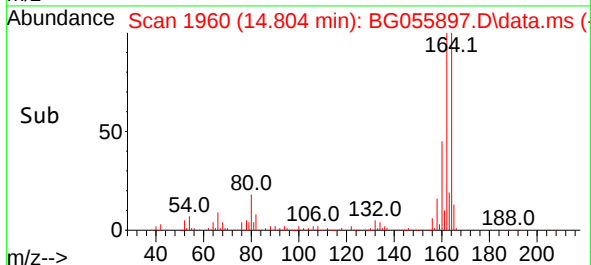
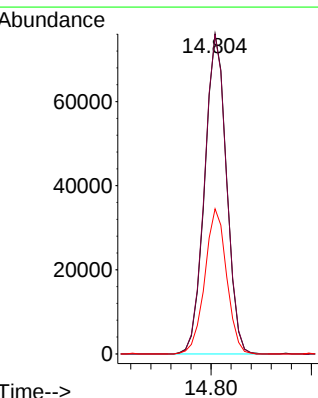
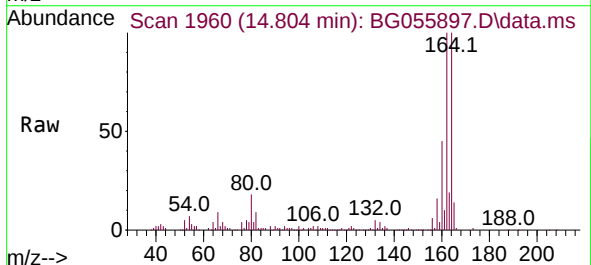
Tgt Ion:164 Resp: 114797

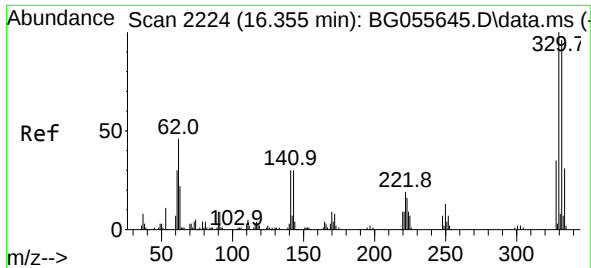
Ion Ratio Lower Upper

164 100

162 99.7 81.1 121.7

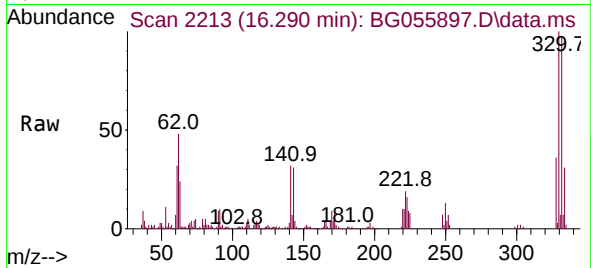
160 45.3 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 82.340 ng
RT: 16.290 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

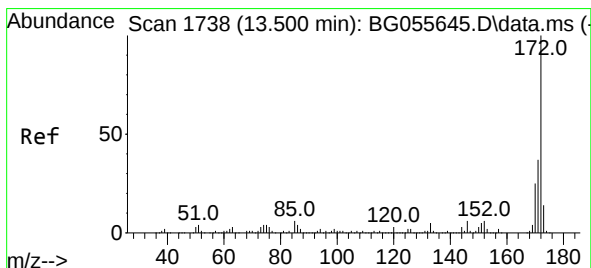
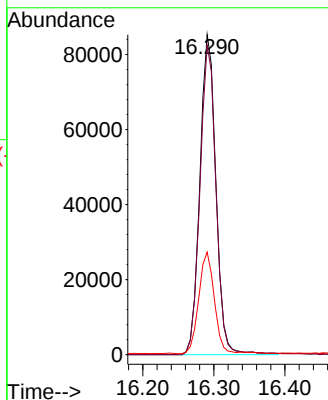
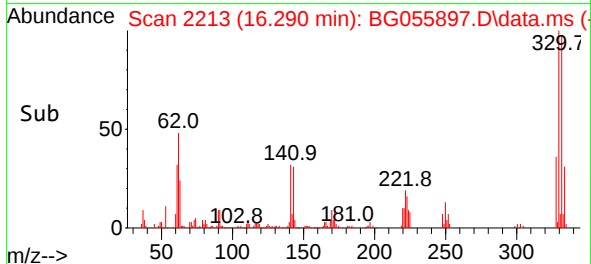
Instrument :
BNA_G
ClientSampleId :
HR-02-120222



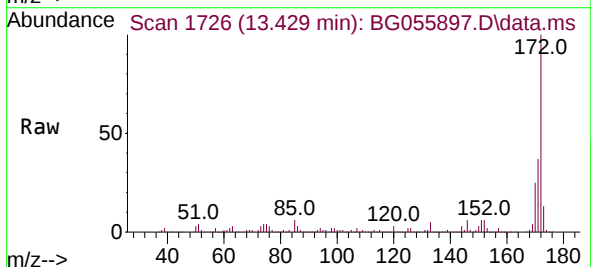
Tgt Ion:330 Resp: 133102
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 31.2 23.9 35.9

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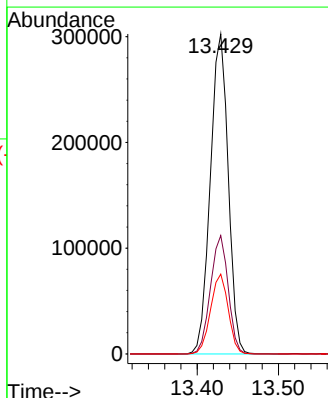
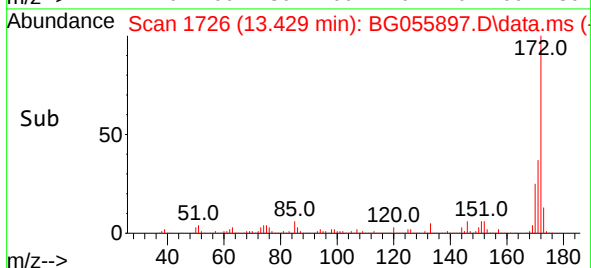
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

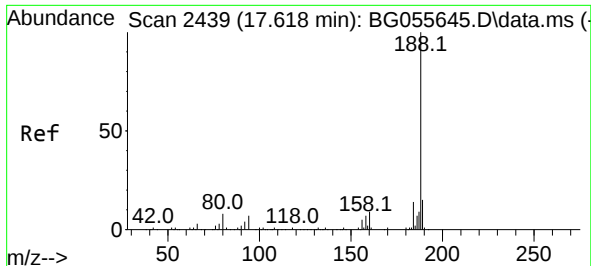


#45
2-Fluorobiphenyl
Concen: 60.403 ng
RT: 13.429 min Scan# 1726
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16



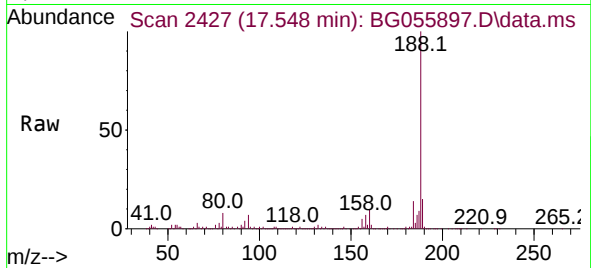
Tgt Ion:172 Resp: 462849
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 24.9 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.548 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

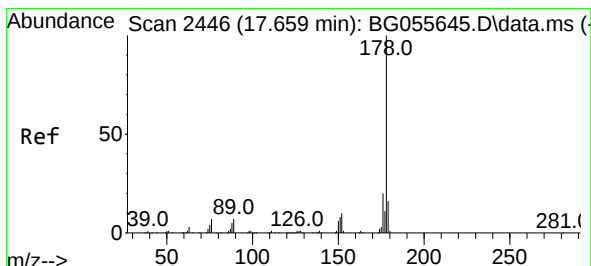
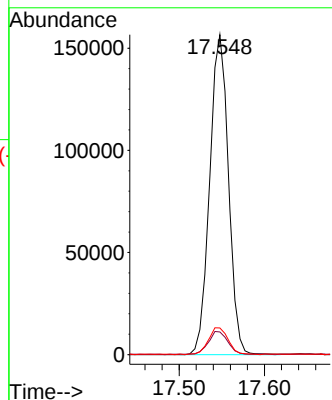
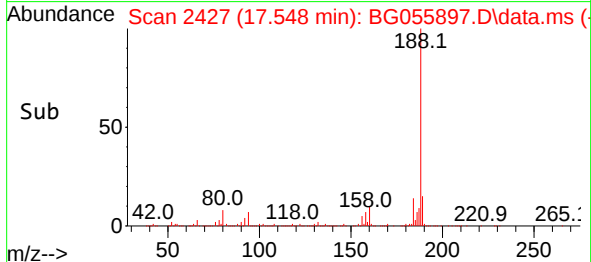
Instrument :
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ClientSampleId :
HR-02-120222



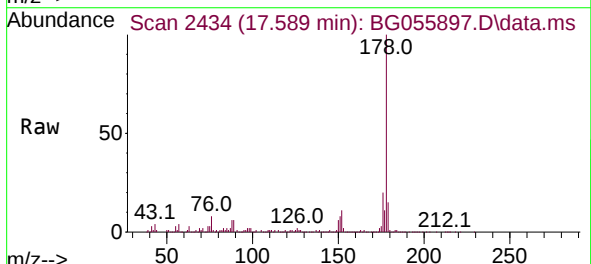
Tgt Ion:188 Resp: 238938
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.4 6.6 10.0

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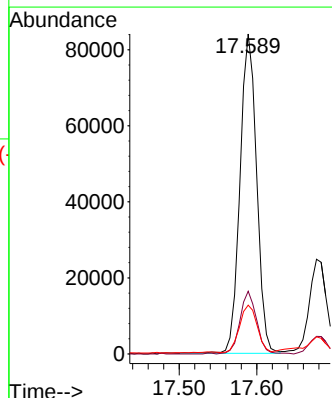
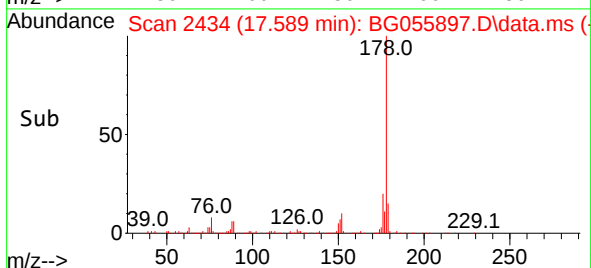
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

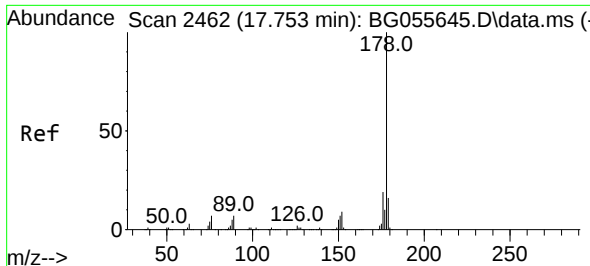


#71
Phenanthrene
Concen: 9.720 ng
RT: 17.589 min Scan# 2434
Delta R.T. -0.005 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16



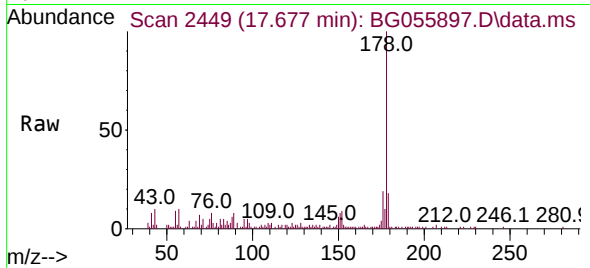
Tgt Ion:178 Resp: 125326
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.2 12.7 19.1





#72
 Anthracene
 Concen: 2.956 ng
 RT: 17.677 min Scan# 2462
 Delta R.T. -0.005 min
 Lab File: BG055897.D
 Acq: 5 Dec 2022 23:16

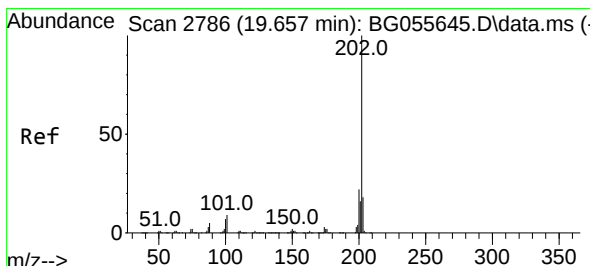
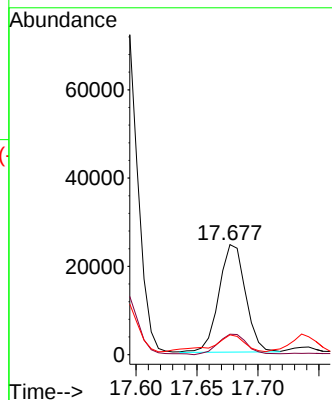
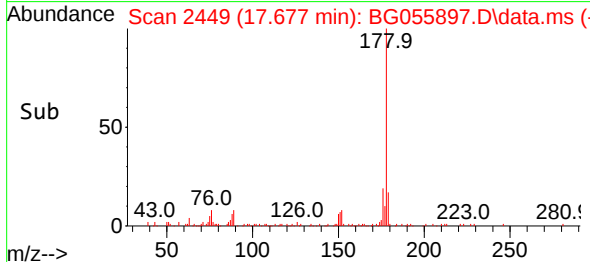
Instrument :
 BNA_G
 ClientSampleId :
 HR-02-120222



Tgt Ion:178 Resp: 37031
 Ion Ratio Lower Upper
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 176 18.5 15.5 23.3
 179 18.0 12.5 18.7

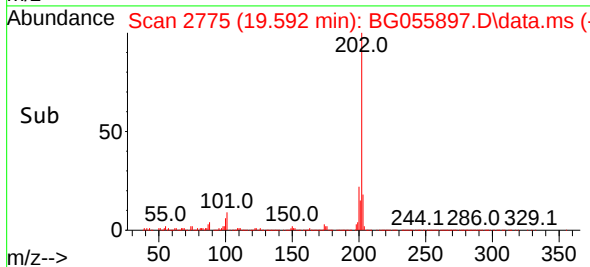
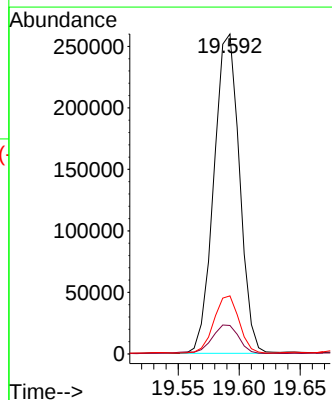
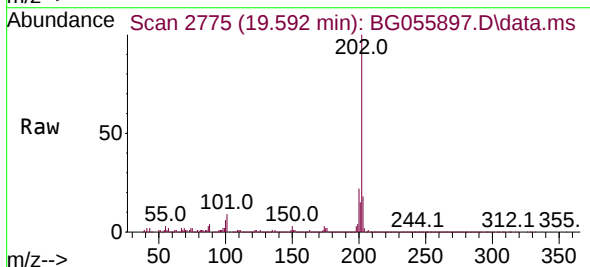
Manual Integrations
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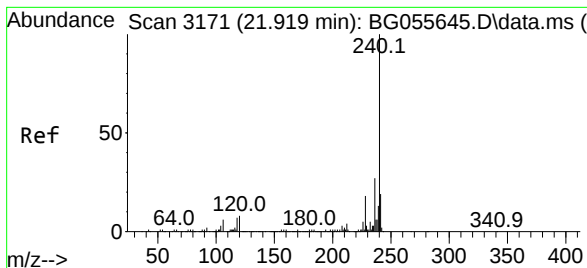
Reviewed By :Christian Giraldo 12/06/2022
 Supervised By :Jagrut Upadhyay 12/06/2022



#75
 Fluoranthene
 Concen: 24.162 ng
 RT: 19.592 min Scan# 2775
 Delta R.T. 0.001 min
 Lab File: BG055897.D
 Acq: 5 Dec 2022 23:16

Tgt Ion:202 Resp: 379014
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 28.8
 203 18.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.831 min Scan# 3171

Delta R.T. -0.005 min

Lab File: BG055897.D

Acq: 5 Dec 2022 23:16

Instrument :

BNA_G

ClientSampleId :

HR-02-120222

Tgt Ion:240 Resp: 226556

Ion Ratio Lower Upper

240 100

120 7.9 6.3 9.5

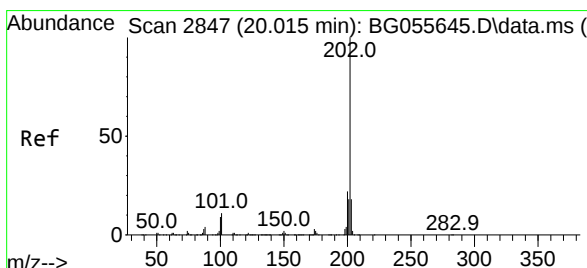
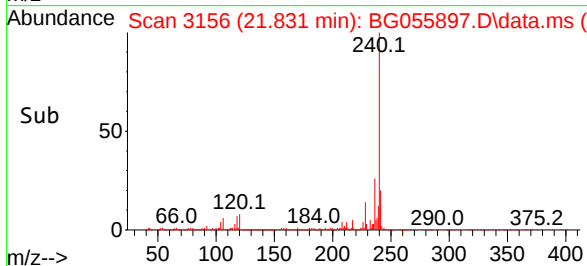
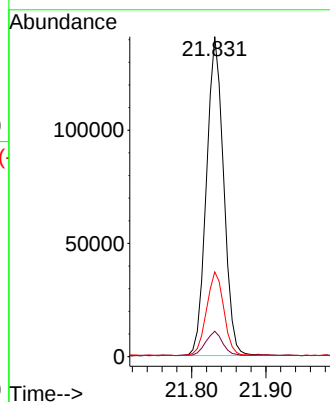
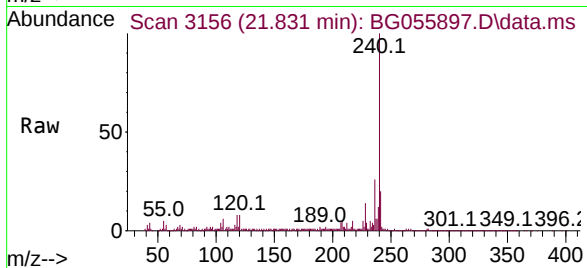
236 26.5 21.9 32.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/06/2022

Supervised By :Jagrut Upadhyay 12/06/2022



#78

Pyrene

Concen: 20.814 ng

RT: 19.951 min Scan# 2836

Delta R.T. 0.001 min

Lab File: BG055897.D

Acq: 5 Dec 2022 23:16

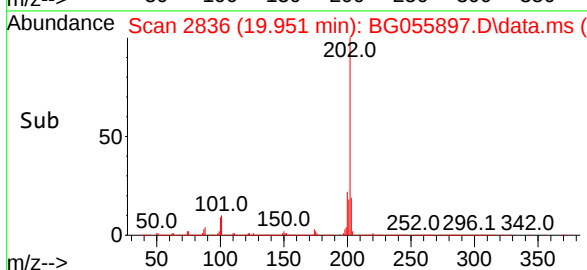
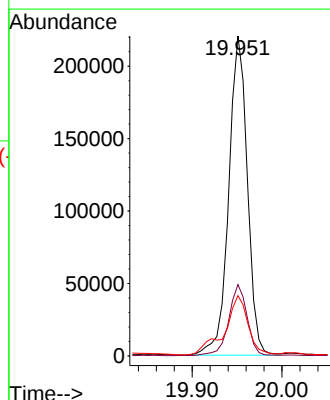
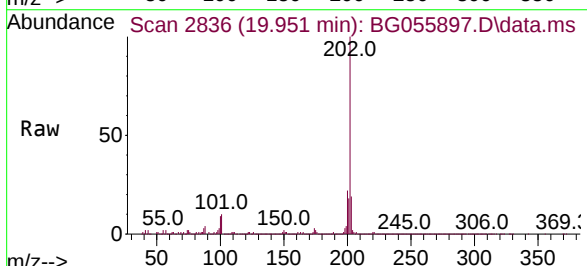
Tgt Ion:202 Resp: 319188

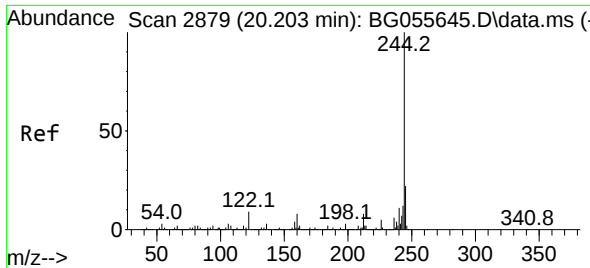
Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

203 18.8 14.4 21.6





#79
Terphenyl-d14
Concen: 57.829 ng
RT: 20.133 min Scan# 2879
Delta R.T. -0.005 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

Instrument :

BNA_G

ClientSampleId :

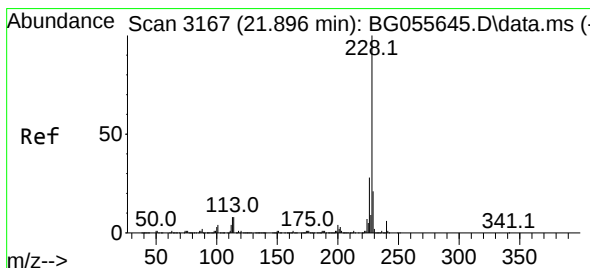
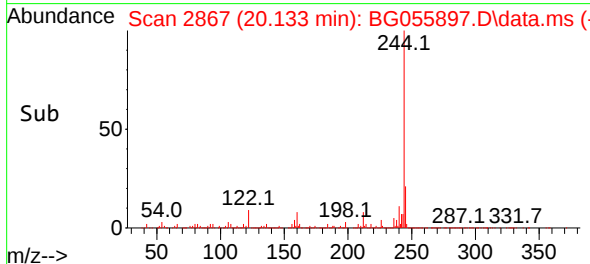
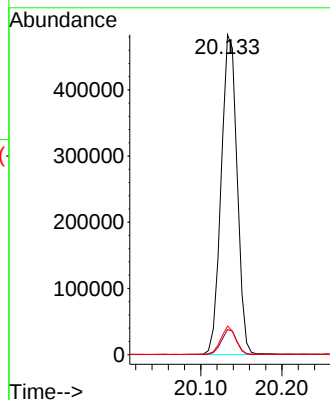
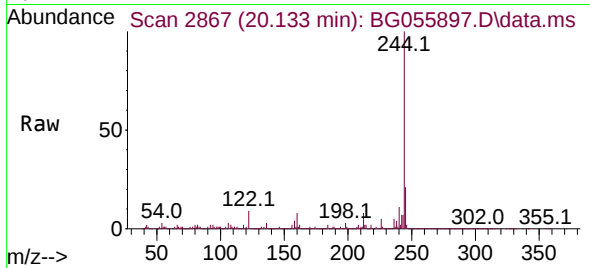
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Tgt Ion:244 Resp: 655033
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 8.9 6.9 10.3

Manual Integrations

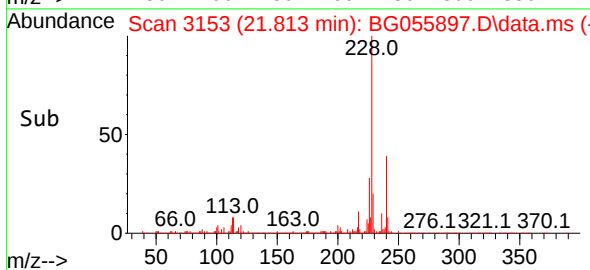
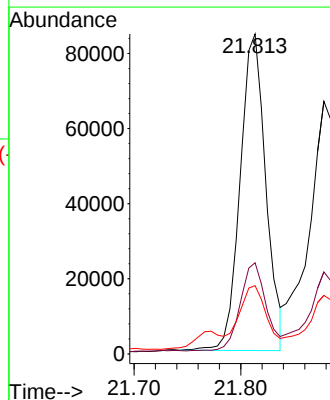
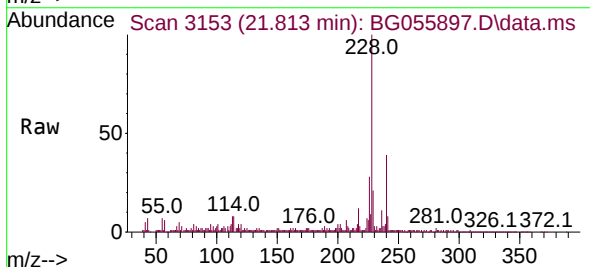
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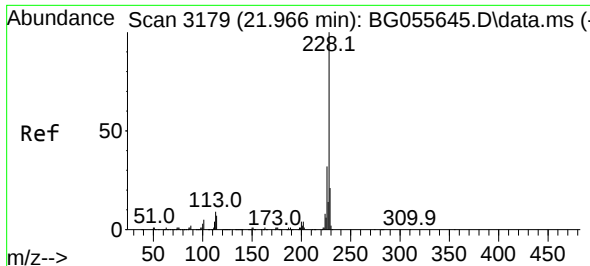
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#81
Benzo(a)anthracene
Concen: 9.023 ng
RT: 21.813 min Scan# 3153
Delta R.T. 0.001 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

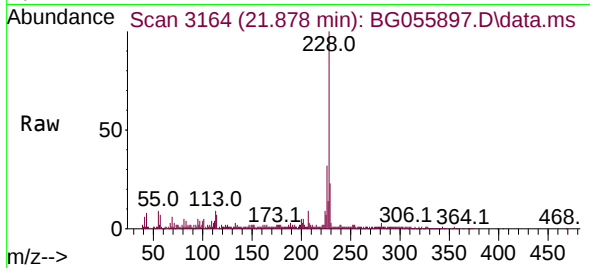
Tgt Ion:228 Resp: 140790
Ion Ratio Lower Upper
228 100
226 28.5 22.7 34.1
229 21.3 16.5 24.7





#83
Chrysene
Concen: 8.779 ng m
RT: 21.878 min Scan# 3179
Delta R.T. -0.005 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

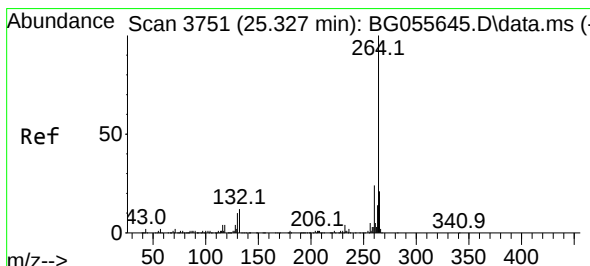
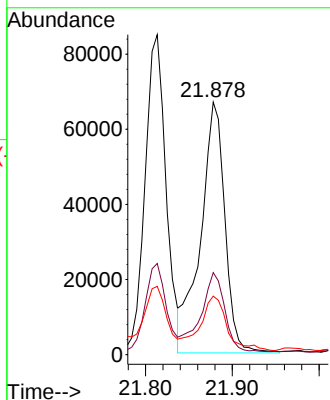
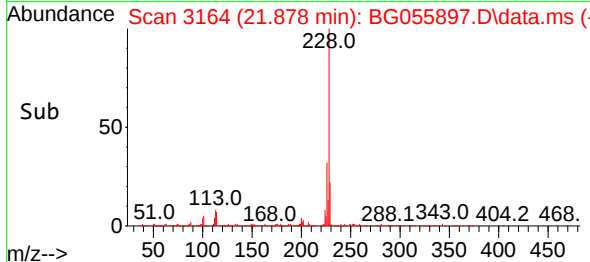
Instrument :
BNA_G
ClientSampleId :
HR-02-120222



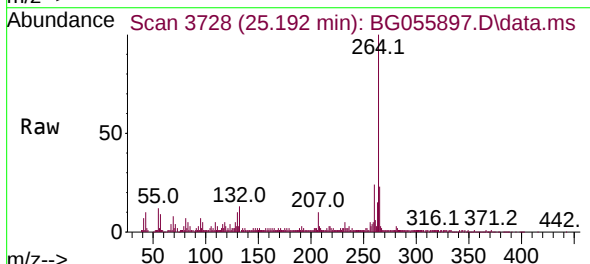
Tgt Ion:228 Resp: 130411
Ion Ratio Lower Upper
228 100
226 32.5 25.4 38.2
229 23.2 17.1 25.7

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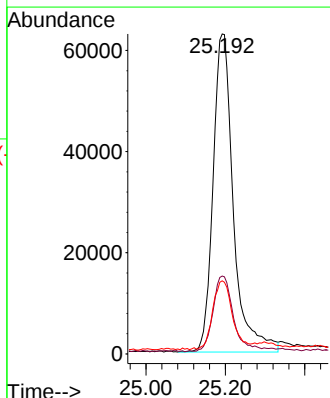
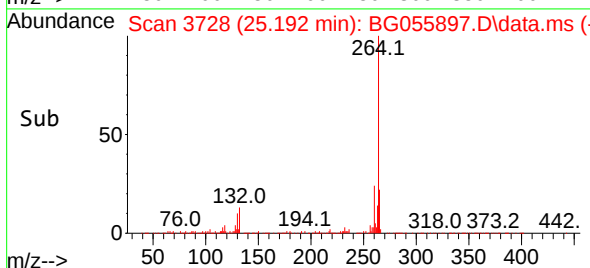
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

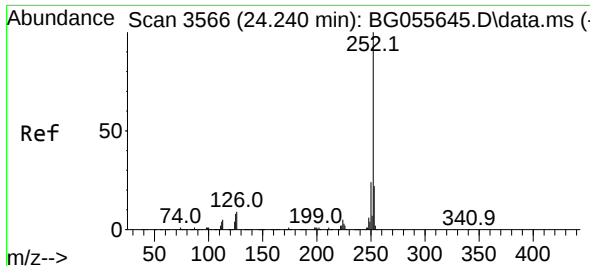


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3728
Delta R.T. 0.013 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16



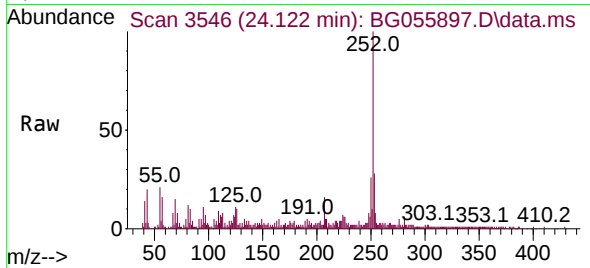
Tgt Ion:264 Resp: 223506
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.8 17.1 25.7





#88
Benzo(b)fluoranthene
Concen: 8.538 ng
RT: 24.122 min Scan# 3546
Delta R.T. 0.007 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16

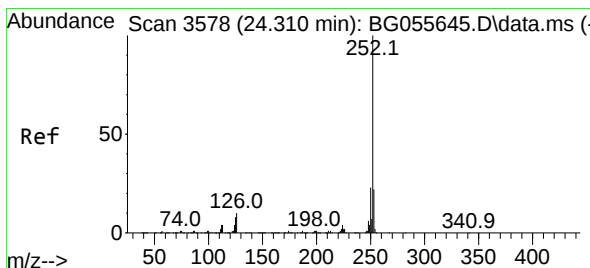
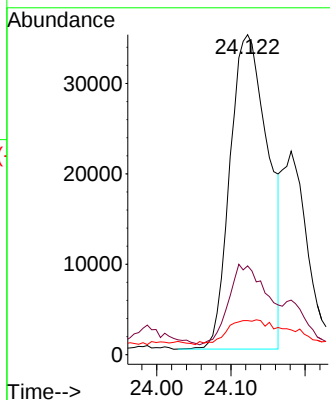
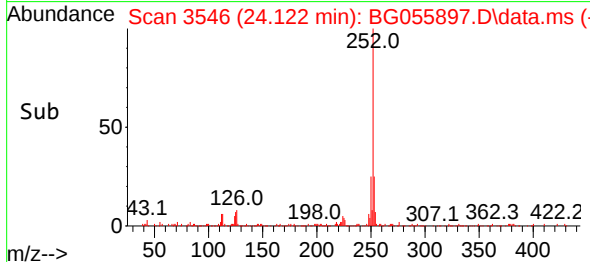
Instrument :
BNA_G
ClientSampleId :
HR-02-120222



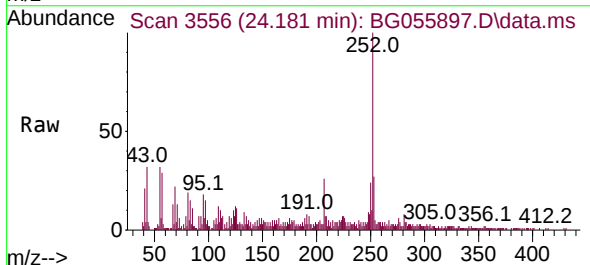
Tgt Ion:252 Resp: 124285
Ion Ratio Lower Upper
252 100
253 27.7 18.0 27.0#
125 10.7 6.2 9.2#

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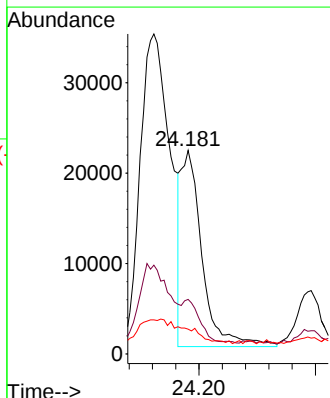
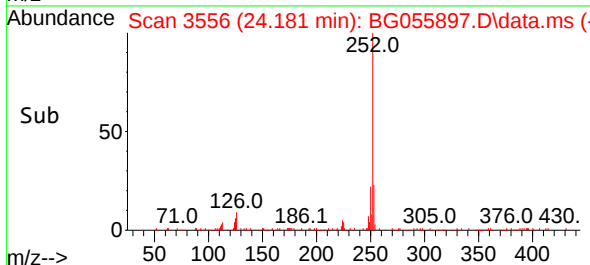
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

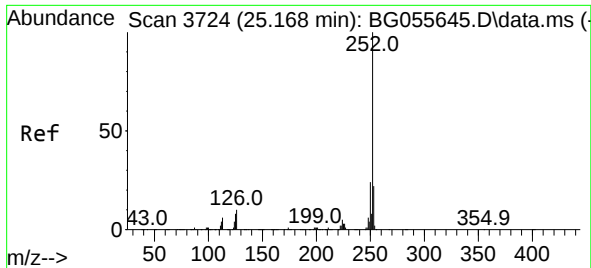


#89
Benzo(k)fluoranthene
Concen: 3.789 ng m
RT: 24.181 min Scan# 3556
Delta R.T. -0.005 min
Lab File: BG055897.D
Acq: 5 Dec 2022 23:16



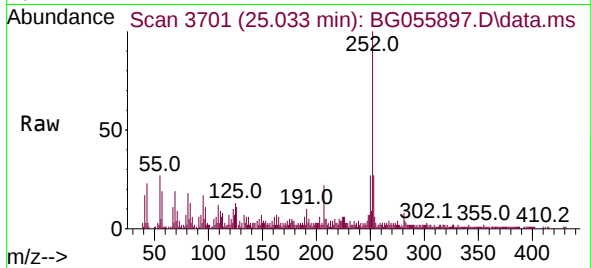
Tgt Ion:252 Resp: 54982
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.6#
125 12.2 6.1 9.1#





#90
 Benzo(a)pyrene
 Concen: 6.652 ng
 RT: 25.033 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: BG055897.D
 Acq: 5 Dec 2022 23:16

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-120222



Tgt Ion:252 Resp: 83090
 Ion Ratio Lower Upper
 252 100
 253 26.5 17.8 26.6
 125 13.1 6.4 9.6

Manual Integrations
 APPROVED

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

