

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055833.D
 Acq On : 29 Nov 2022 18:05
 Operator : CG/JU
 Sample : N5795-04 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/30/2022
 Supervised By : Jagrut Upadhyay 11/30/2022

Quant Time: Nov 30 02:06:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	53312	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	219344	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	153780	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	342563	20.000	ng	0.00
76) Chrysene-d12	21.878	240	322371	20.000	ng	0.00
86) Perylene-d12	25.274	264	346044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	139283	47.223	ng	0.00
7) Phenol-d6	7.371	99	180514	45.977	ng	0.00
23) Nitrobenzene-d5	9.398	82	112572	27.126	ng	0.00
42) 2,4,6-Tribromophenol	16.331	330	92098	42.531	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	280662	27.342	ng	0.00
79) Terphenyl-d14	20.174	244	464501	28.820	ng	0.00
Target Compounds						
71) Phenanthrene	17.630	178	85688	4.635	ng	99
72) Anthracene	17.718	178	48273	2.688	ng	99
75) Fluoranthene	19.628	202	307981	13.694	ng	100
78) Pyrene	19.992	202	254421	11.660	ng	100
81) Benzo(a)anthracene	21.860	228	208457	9.388	ng	98
83) Chrysene	21.925	228	176617	8.356	ng	97
87) Indeno(1,2,3-cd)pyrene	29.175	276	107308	3.785	ng	# 96
88) Benzo(b)fluoranthene	24.193	252	257301	11.417	ng	# 96
89) Benzo(k)fluoranthene	24.252	252	94121m	4.190	ng	
90) Benzo(a)pyrene	25.109	252	175718	9.086	ng	95
92) Benzo(g,h,i)perylene	30.403	276	98767	4.230	ng	98

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

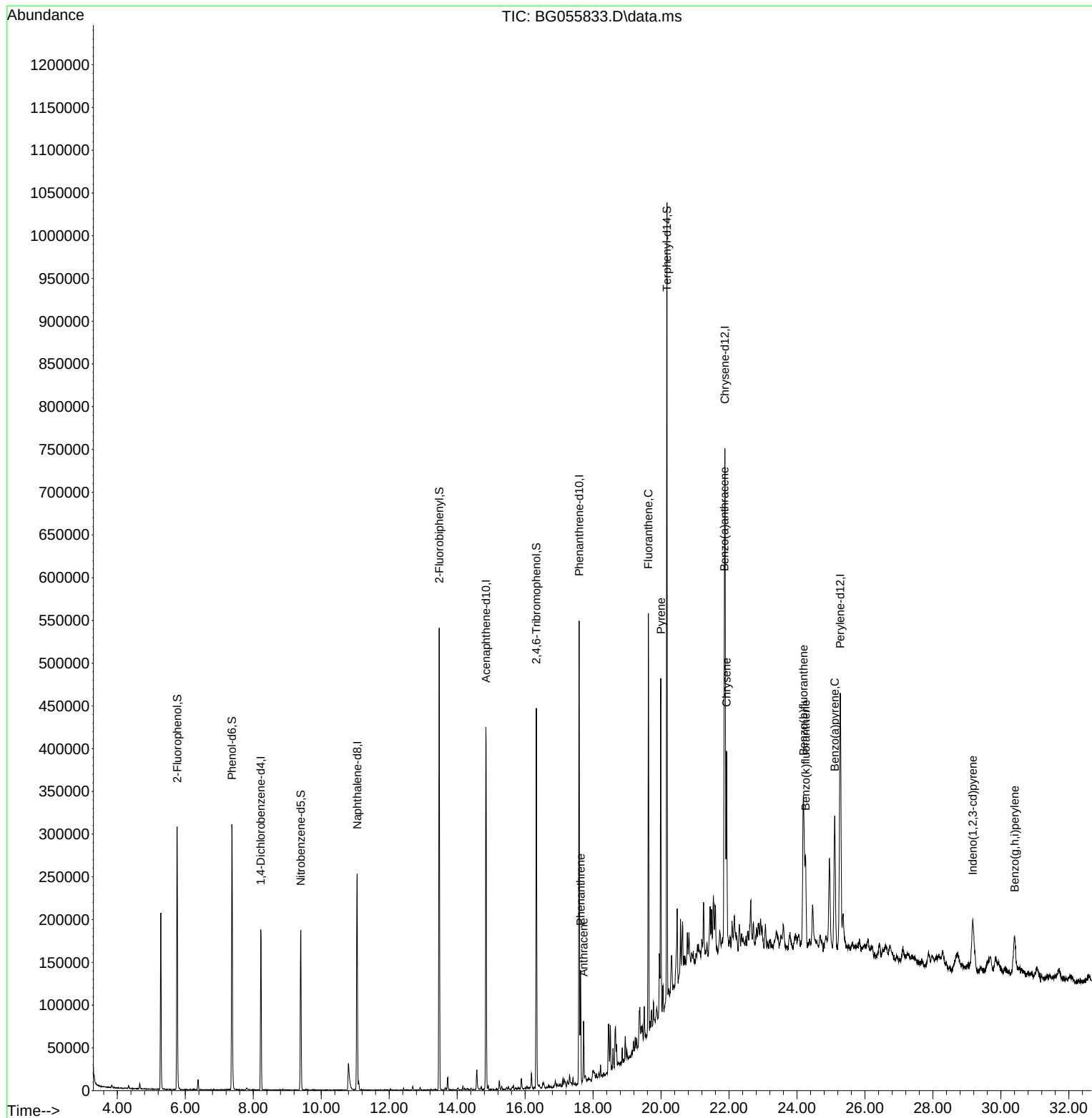
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
Data File : BG055833.D
Acq On : 29 Nov 2022 18:05
Operator : CG/JU
Sample : N5795-04 2X
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ALS Vial : 13 Sample Multiplier: 1

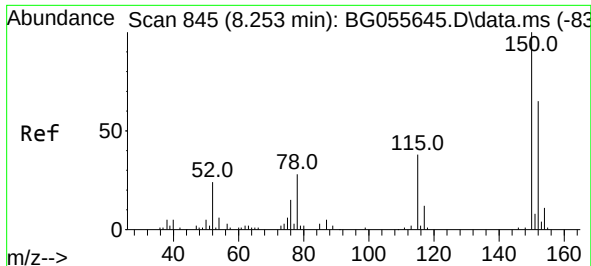
Instrument :
BNA_G
ClientSampleId :
TP-12

Quant Time: Nov 30 02:06:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 30 02:01:09 2022
Response via : Initial Calibration

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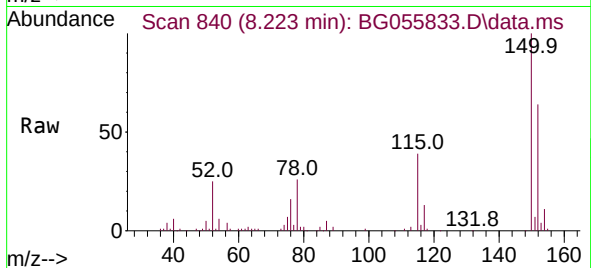
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

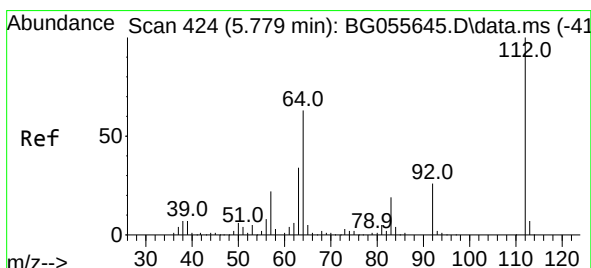
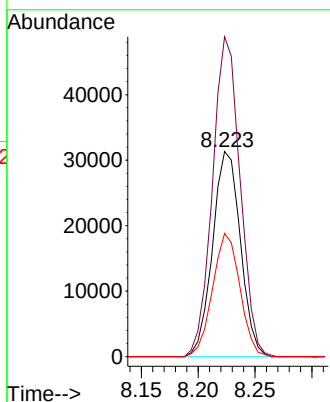
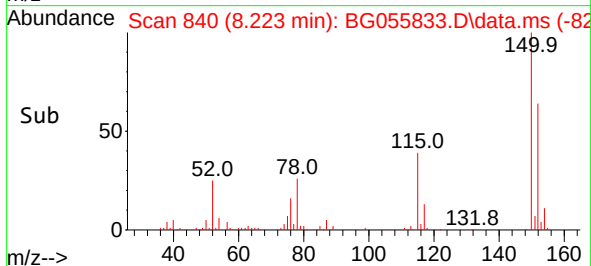
Instrument :
BNA_G
ClientSampleId :
TP-12



Tgt Ion:152 Resp: 53312
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.6
115 60.1 47.0 70.4

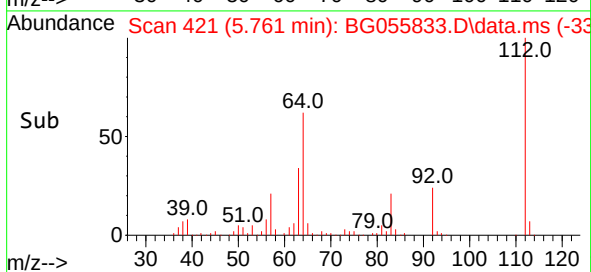
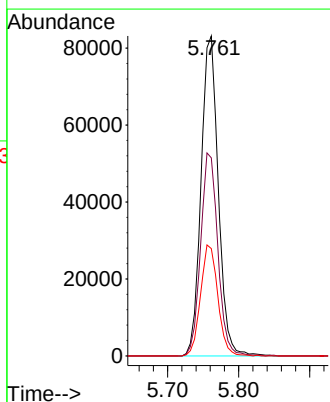
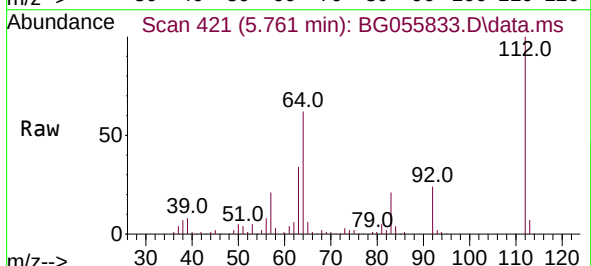
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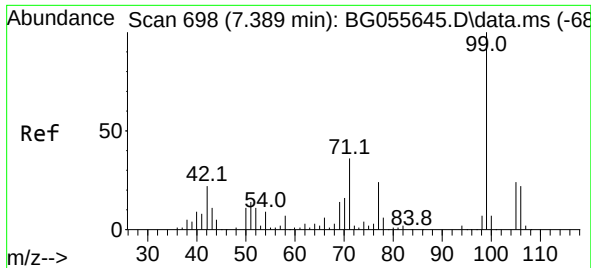
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#5
2-Fluorophenol
Concen: 47.223 ng
RT: 5.761 min Scan# 421
Delta R.T. 0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Tgt Ion:112 Resp: 139283
Ion Ratio Lower Upper
112 100
64 61.9 50.6 76.0
63 33.5 27.5 41.3





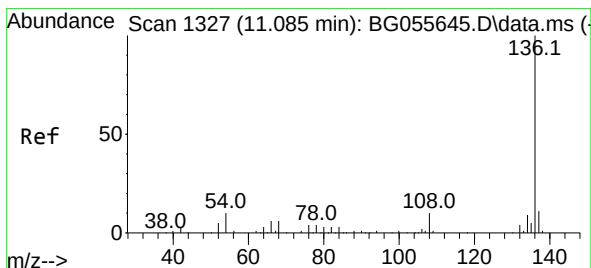
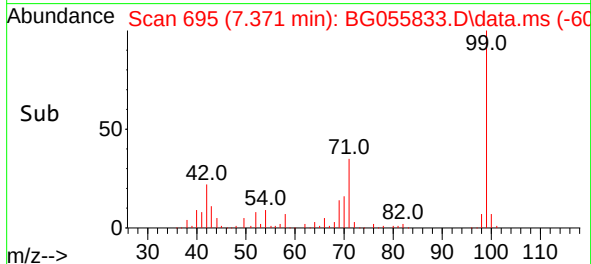
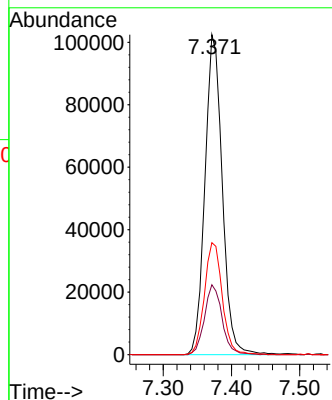
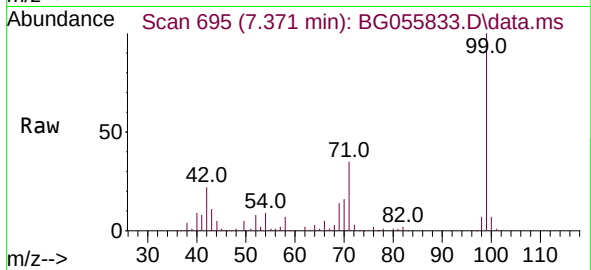
#7
Phenol-d6
Concen: 45.977 ng
RT: 7.371 min Scan# 69
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion: 99 Resp: 180514
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 35.0 29.0 43.6

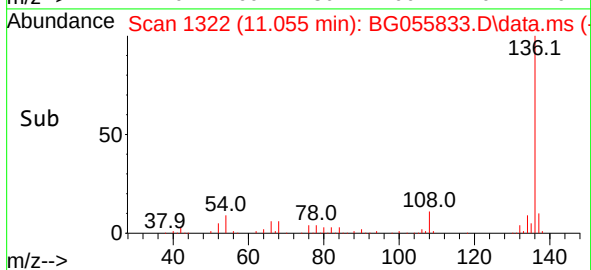
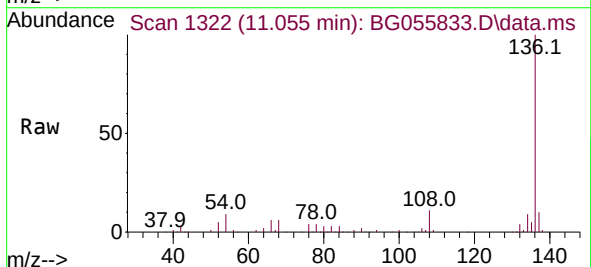
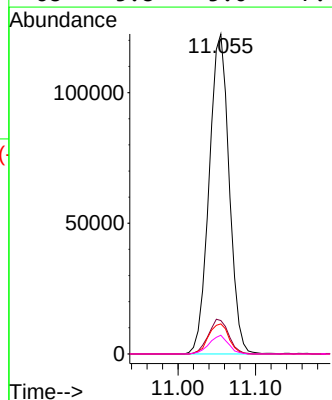
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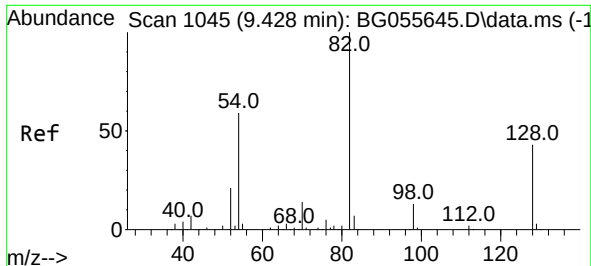
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 1322
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Tgt Ion:136 Resp: 219344
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.6
54 9.4 7.8 11.6
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 27.126 ng

RT: 9.398 min Scan# 1040

Delta R.T. -0.003 min

Lab File: BG055833.D

Acq: 29 Nov 2022 18:05

Instrument :

BNA_G

ClientSampleId :

TP-12

Tgt Ion: 82 Resp: 112572

Ion Ratio Lower Upper

82 100

128 42.3 34.1 51.1

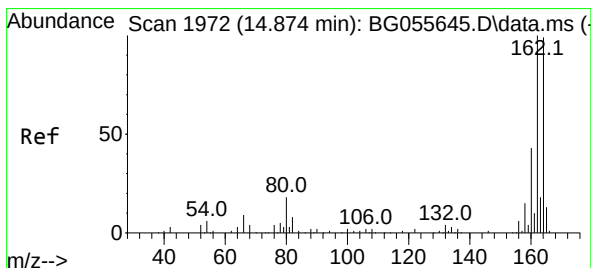
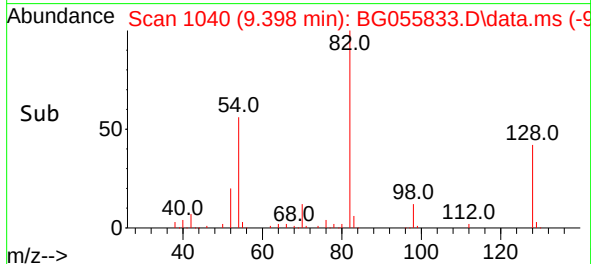
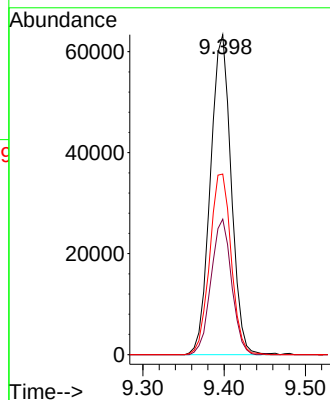
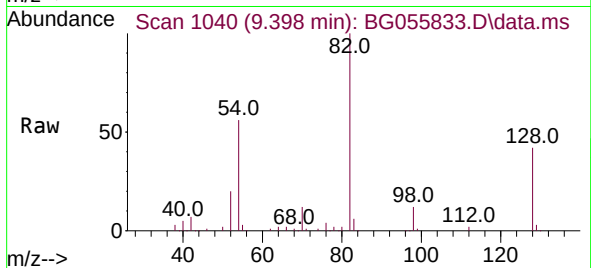
54 56.4 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.008 min

Lab File: BG055833.D

Acq: 29 Nov 2022 18:05

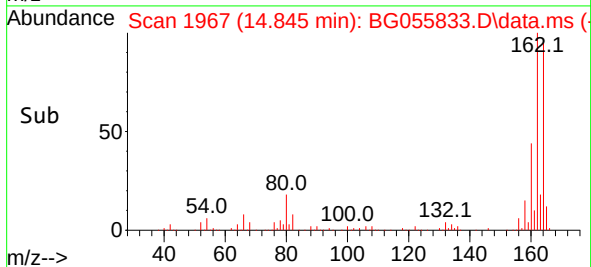
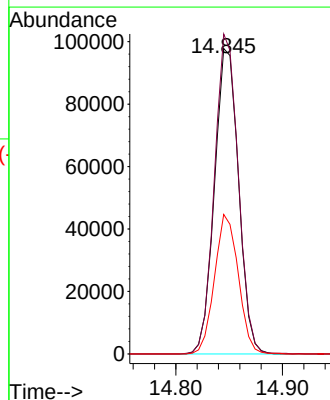
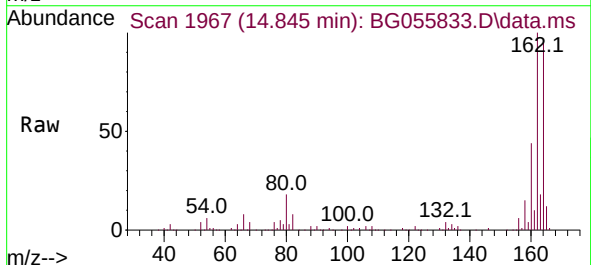
Tgt Ion:164 Resp: 153780

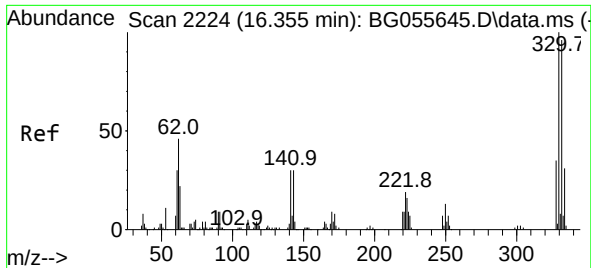
Ion Ratio Lower Upper

164 100

162 104.8 81.1 121.7

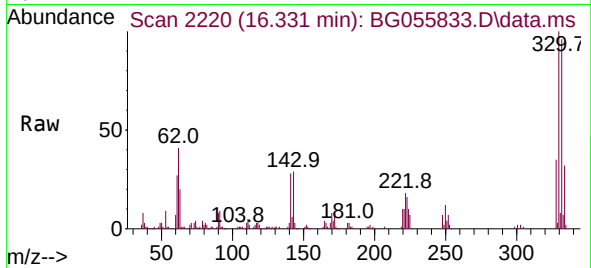
160 45.6 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 42.531 ng
RT: 16.331 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

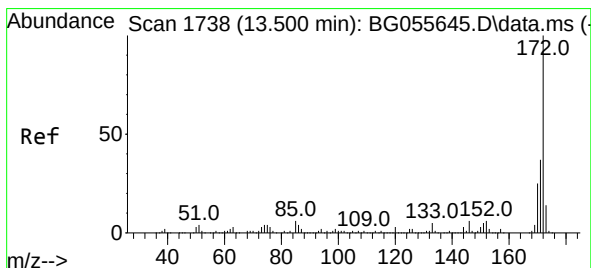
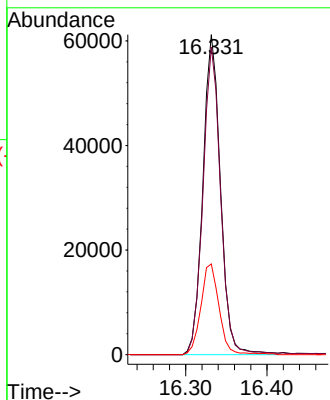
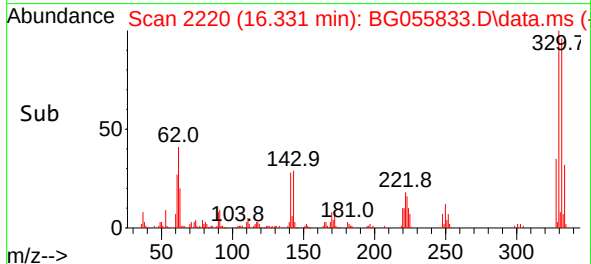
Instrument :
BNA_G
ClientSampleId :
TP-12



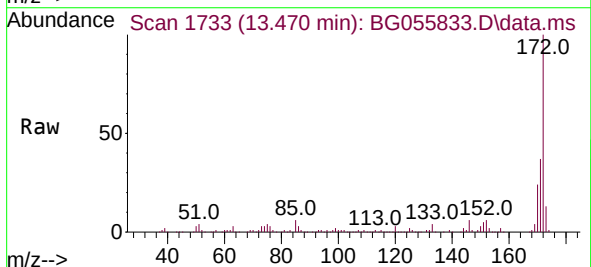
Tgt Ion:330 Resp: 92098
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 29.4 23.9 35.9

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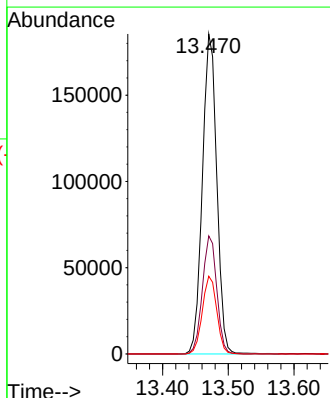
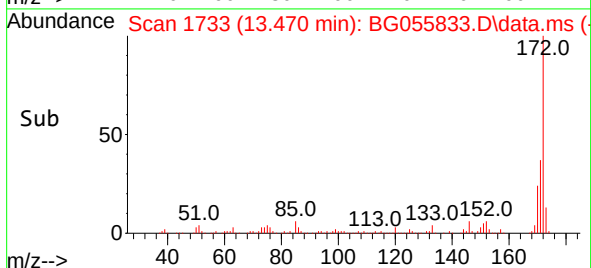
Reviewed By :Christian Giraldo 11/30/2022
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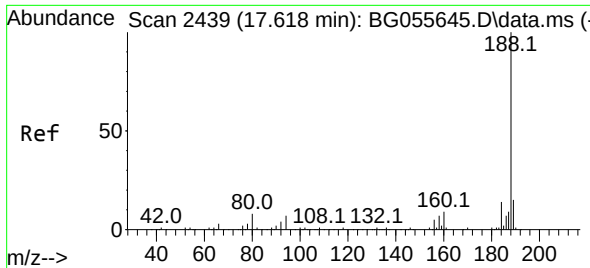


#45
2-Fluorobiphenyl
Concen: 27.342 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05



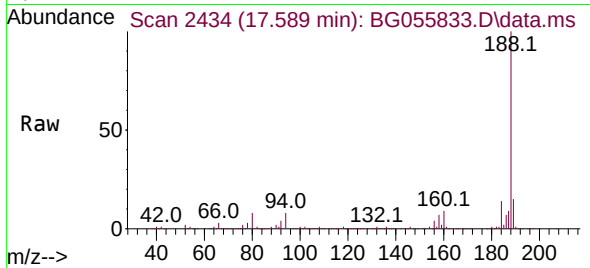
Tgt Ion:172 Resp: 280662
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 24.3 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

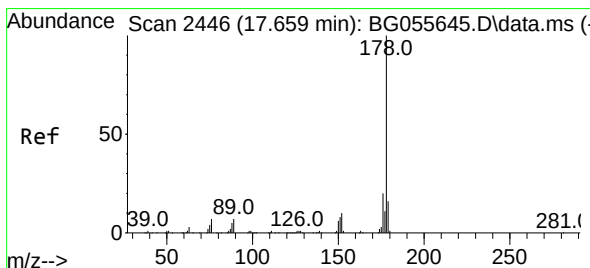
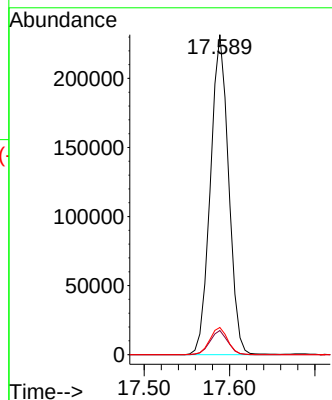
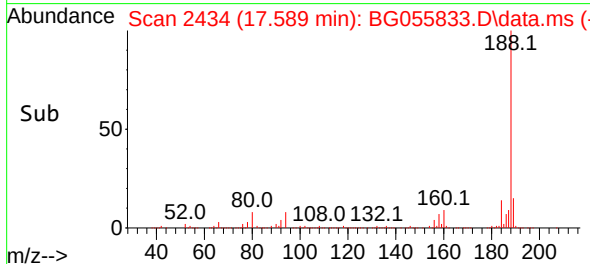
Instrument :
BNA_G
ClientSampleId :
TP-12



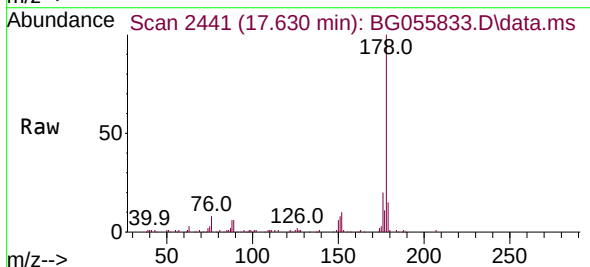
Tgt Ion:188 Resp: 342563
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 8.5 6.6 10.0

Manual Integrations
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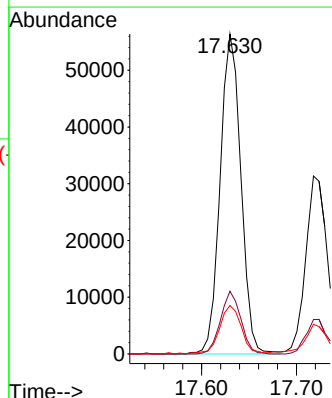
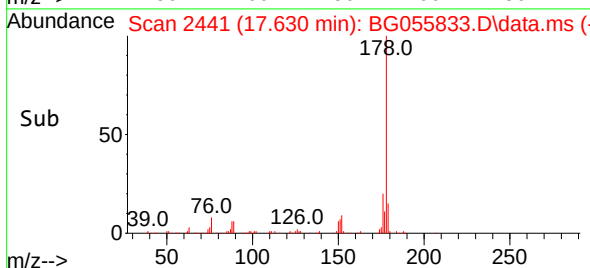
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

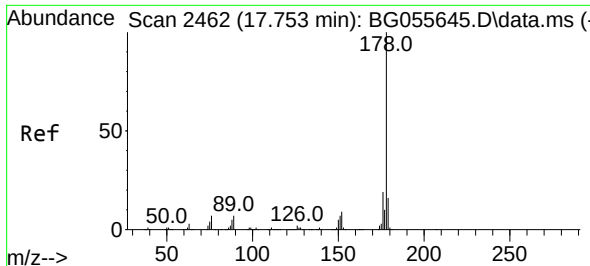


#71
Phenanthrene
Concen: 4.635 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.002 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05



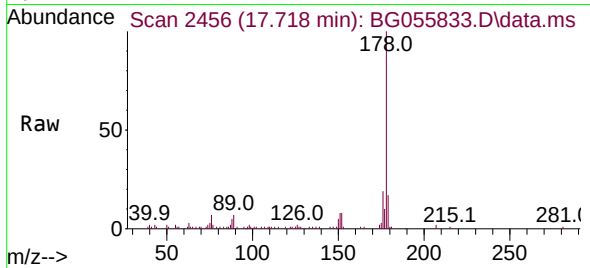
Tgt Ion:178 Resp: 85688
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.1 12.7 19.1





#72
 Anthracene
 Concen: 2.688 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.008 min
 Lab File: BG055833.D
 Acq: 29 Nov 2022 18:05

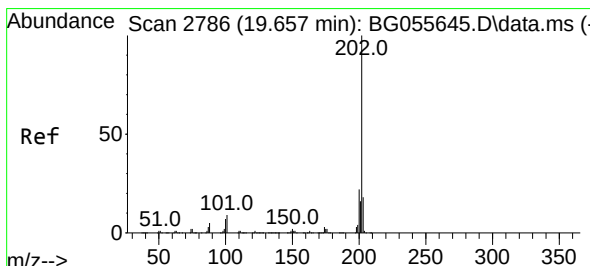
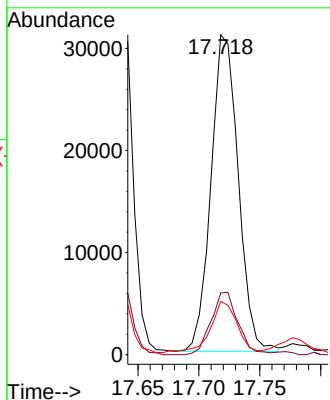
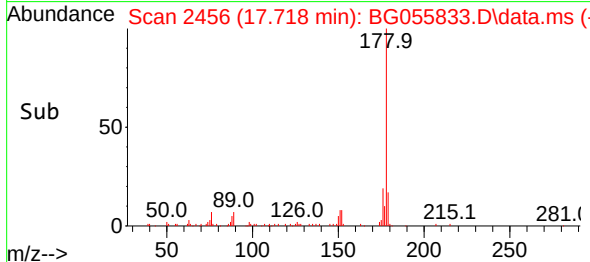
Instrument :
 BNA_G
 ClientSampleId :
 TP-12



Tgt Ion:178 Resp: 48273
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.5 23.3
 179 16.6 12.5 18.7

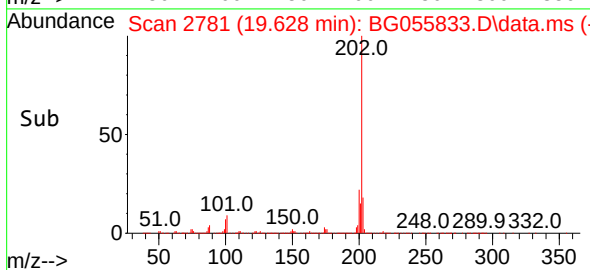
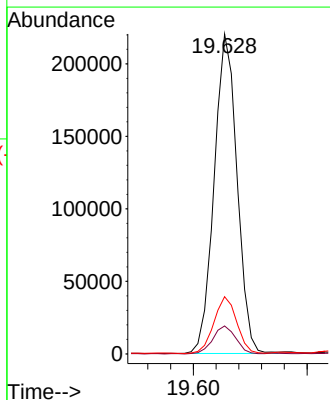
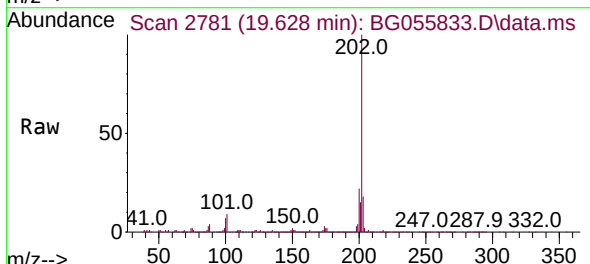
Manual Integrations
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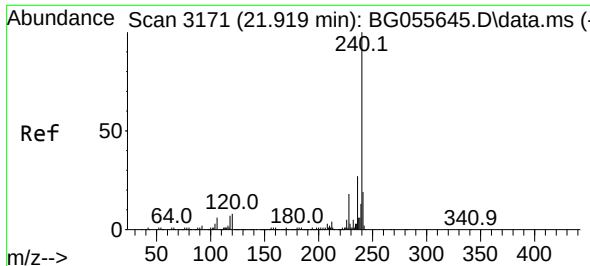
Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :Jagrut Upadhyay 11/30/2022



#75
 Fluoranthene
 Concen: 13.694 ng
 RT: 19.628 min Scan# 2781
 Delta R.T. -0.002 min
 Lab File: BG055833.D
 Acq: 29 Nov 2022 18:05

Tgt Ion:202 Resp: 307981
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 28.8
 203 17.9 0.0 38.1





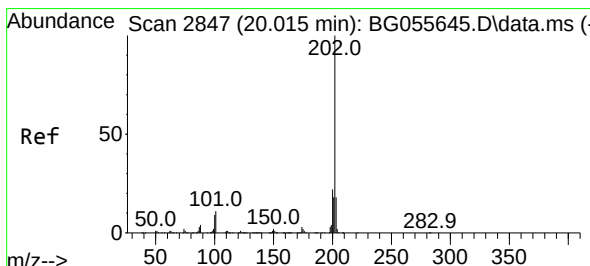
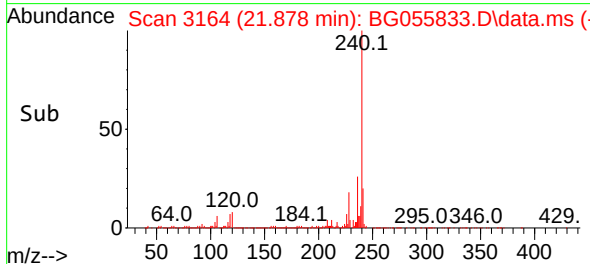
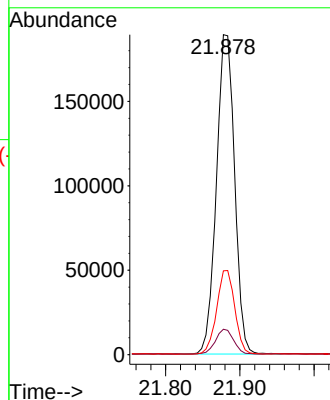
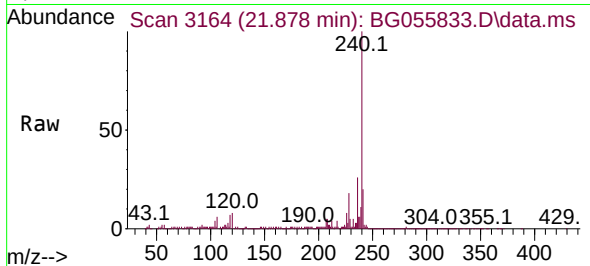
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.878 min Scan# 3171
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion:240 Resp: 32237
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.2 21.9 32.9

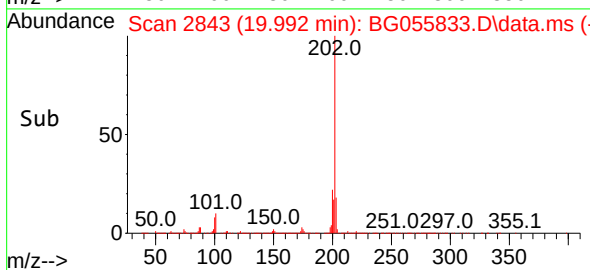
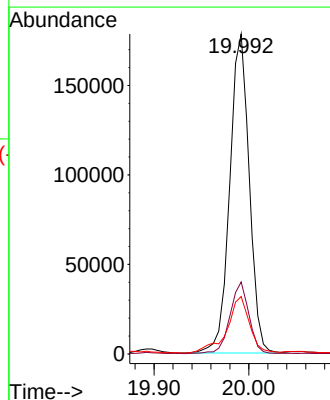
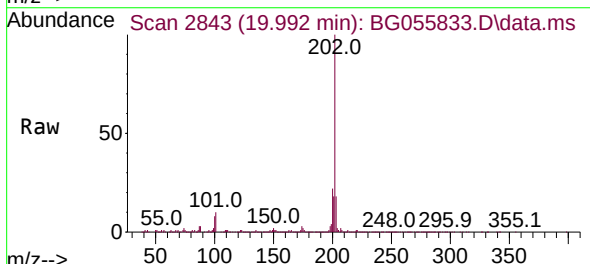
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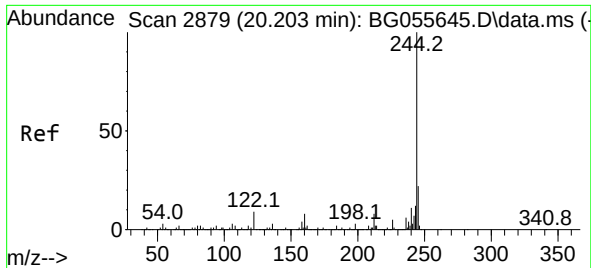
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#78
Pyrene
Concen: 11.660 ng
RT: 19.992 min Scan# 2843
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

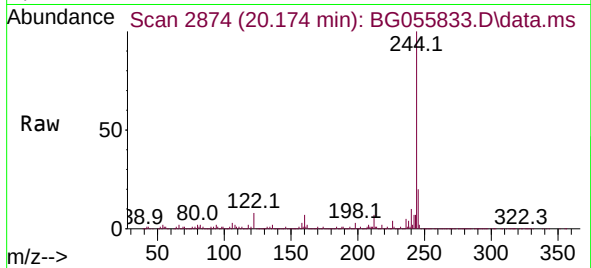
Tgt Ion:202 Resp: 254421
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 17.9 14.4 21.6





#79
Terphenyl-d14
Concen: 28.820 ng
RT: 20.174 min Scan# 2879
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

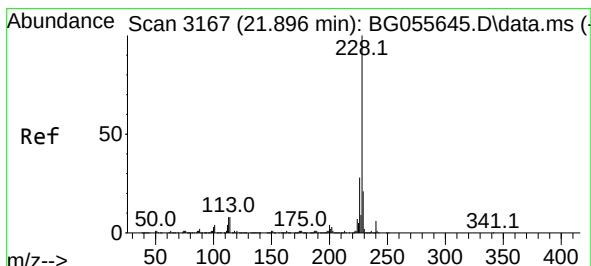
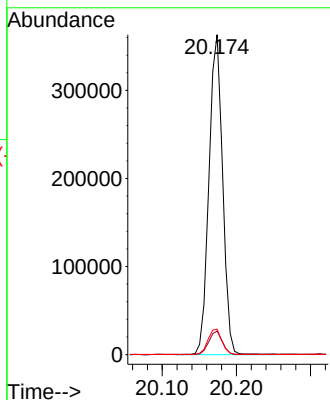
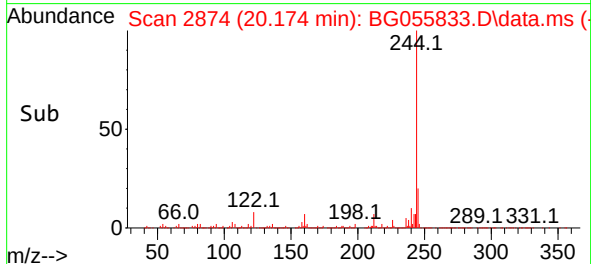
Instrument :
BNA_G
ClientSampleId :
TP-12



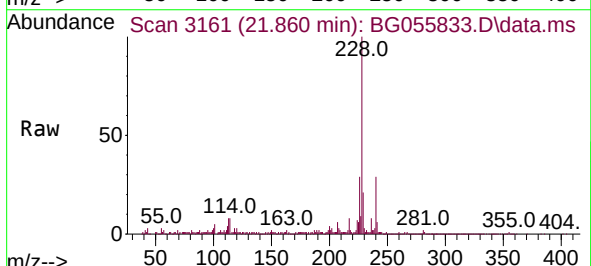
Tgt Ion:244 Resp: 464501
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 8.0 6.9 10.3

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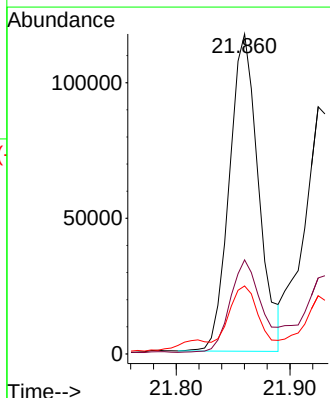
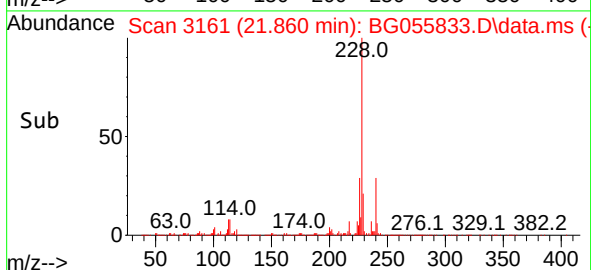
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

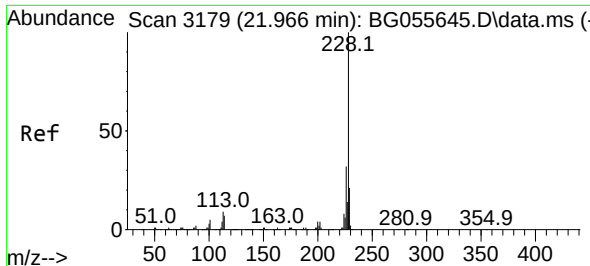


#81
Benzo(a)anthracene
Concen: 9.388 ng
RT: 21.860 min Scan# 3161
Delta R.T. -0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05



Tgt Ion:228 Resp: 208457
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 21.2 16.5 24.7





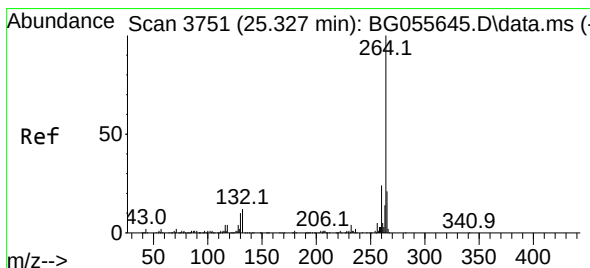
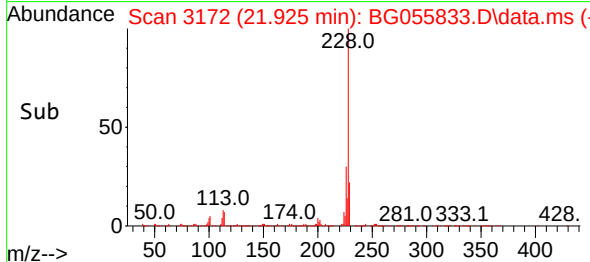
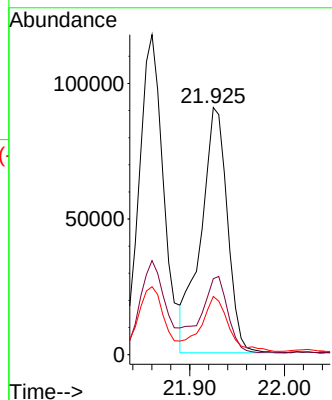
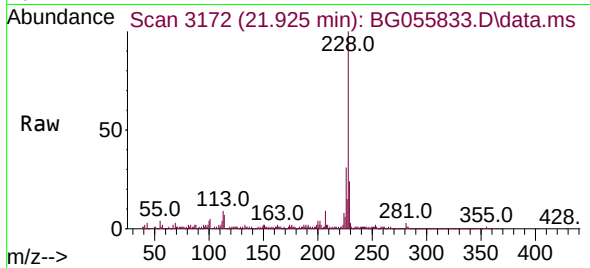
#83
Chrysene
Concen: 8.356 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.008 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion:228 Resp: 176617
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.2
229 23.5 17.1 25.7

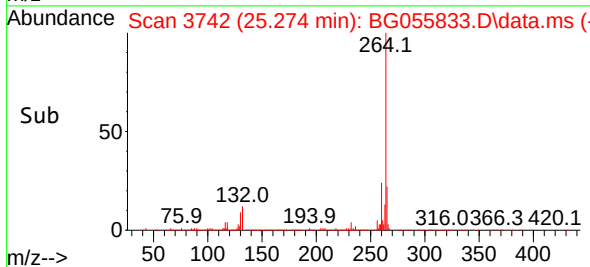
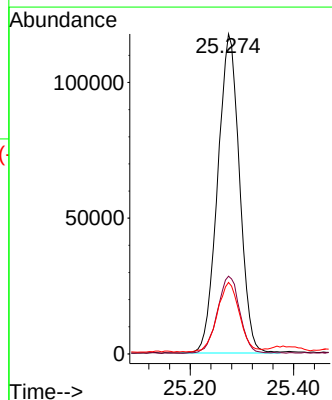
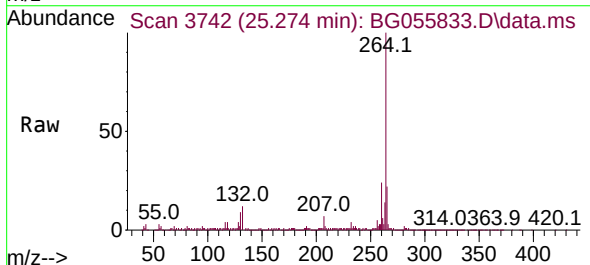
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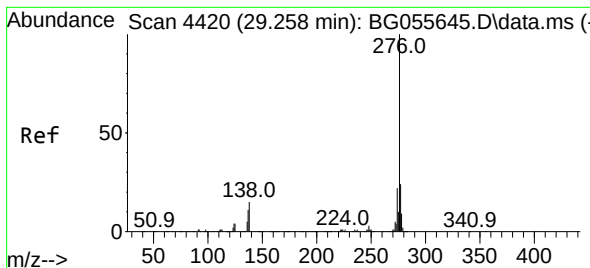
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.274 min Scan# 3742
Delta R.T. 0.003 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Tgt Ion:264 Resp: 346044
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.785 ng

RT: 29.175 min Scan# 4420

Delta R.T. -0.014 min

Lab File: BG055833.D

Acq: 29 Nov 2022 18:05

Instrument :

BNA_G

ClientSampleId :

TP-12

Tgt Ion:276 Resp: 107308

Ion Ratio Lower Upper

276 100

138 9.0 10.4 15.6

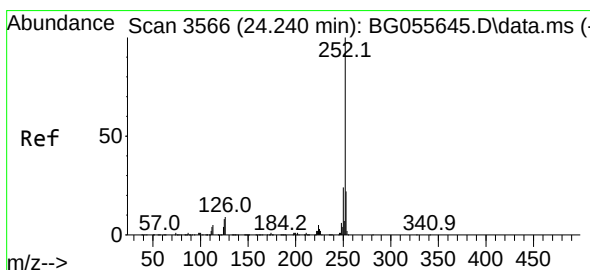
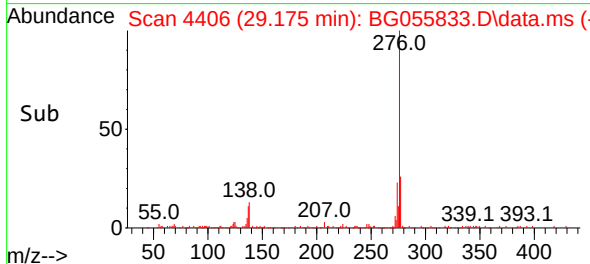
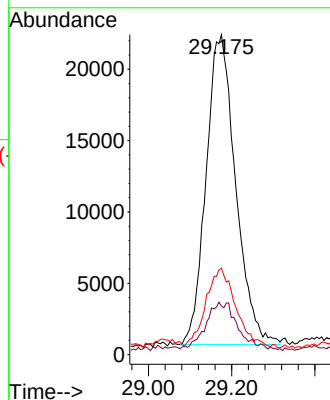
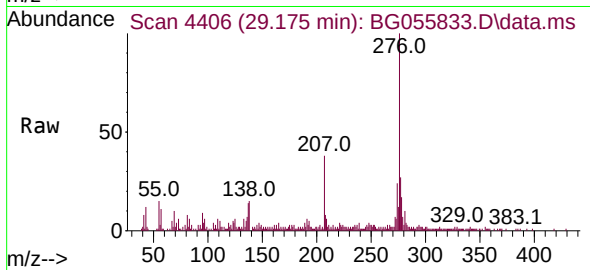
277 25.4 20.2 30.4

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Reviewed By :Christian Giraldo 11/30/2022

Supervised By :Jagrut Upadhyay 11/30/2022



#88

Benzo(b)fluoranthene

Concen: 11.417 ng

RT: 24.193 min Scan# 3558

Delta R.T. 0.003 min

Lab File: BG055833.D

Acq: 29 Nov 2022 18:05

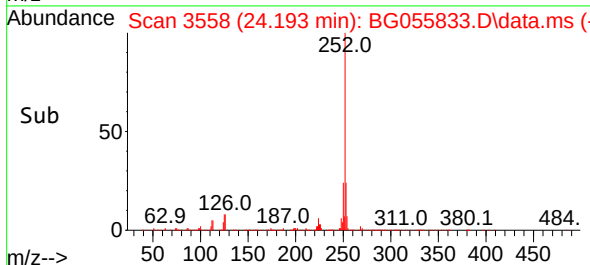
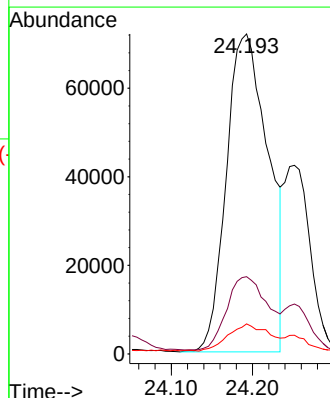
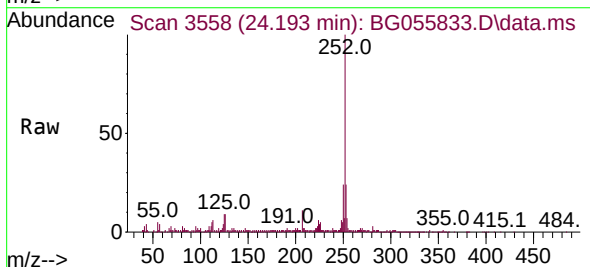
Tgt Ion:252 Resp: 257301

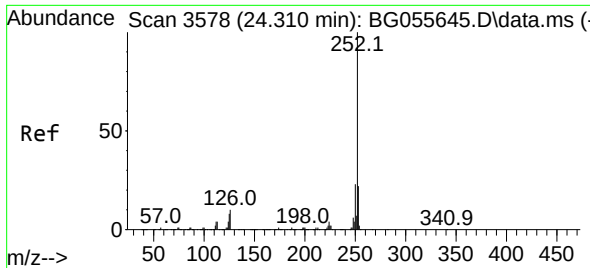
Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 9.4 6.2 9.2





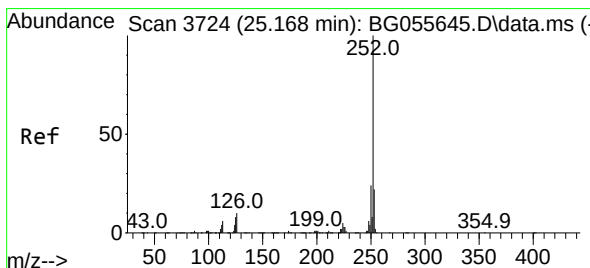
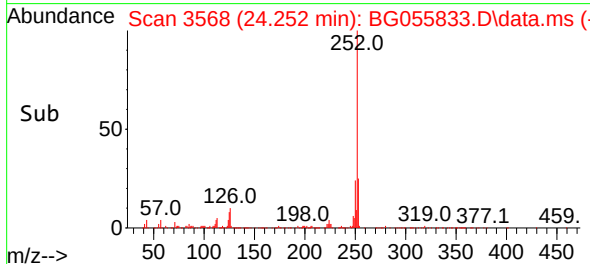
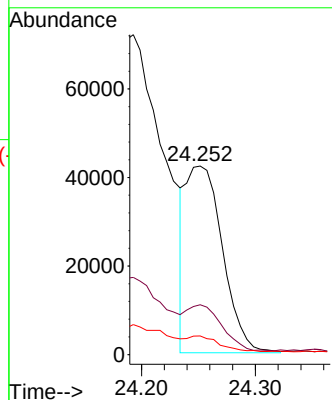
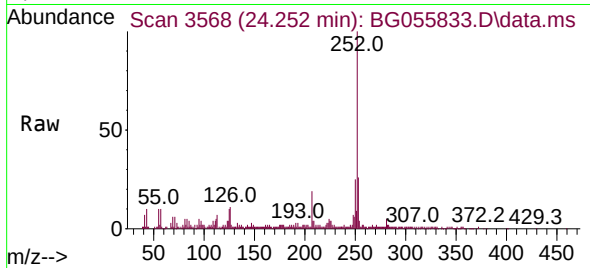
#89
Benzo(k)fluoranthene
Concen: 4.190 ng m
RT: 24.252 min Scan# 3568
Delta R.T. -0.014 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

Instrument :
BNA_G
ClientSampleId :
TP-12

Tgt Ion:252 Resp: 9412
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.6
125 9.9 6.1 9.1

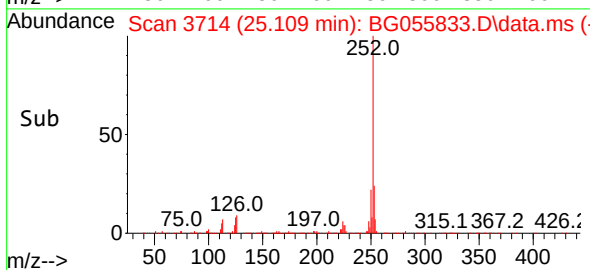
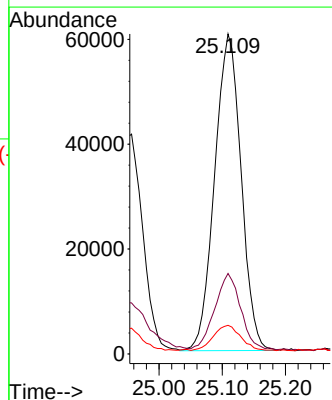
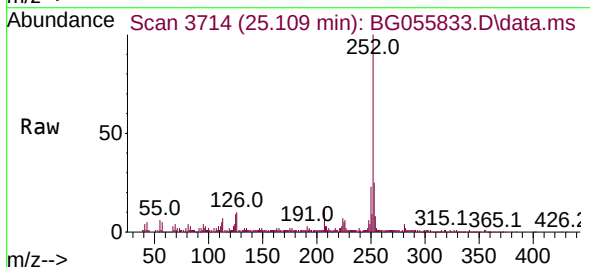
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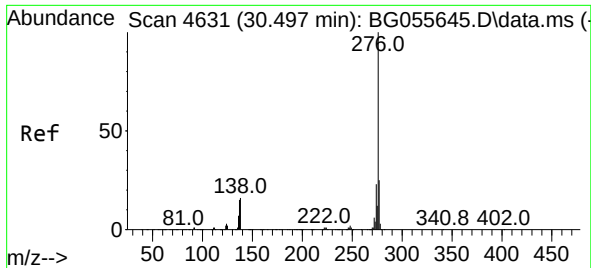
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#90
Benzo(a)pyrene
Concen: 9.086 ng
RT: 25.109 min Scan# 3714
Delta R.T. -0.008 min
Lab File: BG055833.D
Acq: 29 Nov 2022 18:05

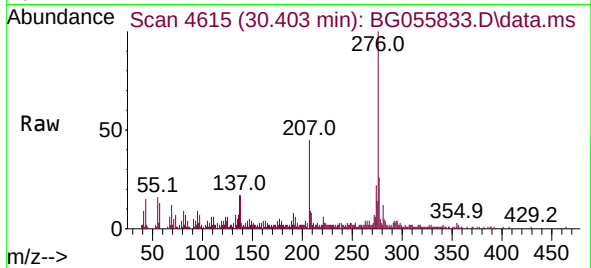
Tgt Ion:252 Resp: 175718
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 8.9 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.230 ng
 RT: 30.403 min Scan# 4615
 Delta R.T. -0.014 min
 Lab File: BG055833.D
 Acq: 29 Nov 2022 18:05

Instrument :
 BNA_G
 ClientSampleId :
 TP-12



Tgt Ion:	276	Resp:	9876
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.8	29.6
138	17.0	13.1	19.7

Manual Integrations
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Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :Jagrut Upadhyay 11/30/2022

