

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053042.D
 Acq On : 5 Apr 2022 21:47
 Operator : CG/JU
 Sample : N2257-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Apr 06 04:15:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	45536	20.000	ng	-0.02
21) Naphthalene-d8	10.937	136	179760	20.000	ng	-0.02
39) Acenaphthene-d10	14.750	164	124961	20.000	ng	-0.02
64) Phenanthrene-d10	17.487	188	270371	20.000	ng	-0.02
76) Chrysene-d12	21.775	240	258450	20.000	ng	-0.02
86) Perylene-d12	25.077	264	271284	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	248006	94.849	ng	0.00
7) Phenol-d6	7.277	99	368590	93.504	ng	-0.01
23) Nitrobenzene-d5	9.286	82	263078	73.453	ng	-0.02
42) 2,4,6-Tribromophenol	16.230	330	159799	95.167	ng	-0.02
45) 2-Fluorobiphenyl	13.375	172	504140	59.501	ng	-0.02
79) Terphenyl-d14	20.089	244	726328	49.991	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.528	178	277377	19.177	ng	96
72) Anthracene	17.622	178	44357	3.102	ng	96
75) Fluoranthene	19.537	202	542110	29.526	ng	99
78) Pyrene	19.902	202	498690	27.817	ng	99
81) Benzo(a)anthracene	21.752	228	247467	14.299	ng	97
83) Chrysene	21.817	228	248257	15.259	ng	97
87) Indeno(1,2,3-cd)pyrene	28.836	276	208440	11.225	ng	# 78
88) Benzo(b)fluoranthene	24.025	252	351299	20.856	ng	97
89) Benzo(k)fluoranthene	24.084	252	115431m	6.965	ng	
90) Benzo(a)pyrene	24.918	252	266722m	18.707	ng	
91) Dibenzo(a,h)anthracene	28.889	278	50353	3.291	ng	99
92) Benzo(g,h,i)perylene	30.023	276	202479	13.375	ng	97

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

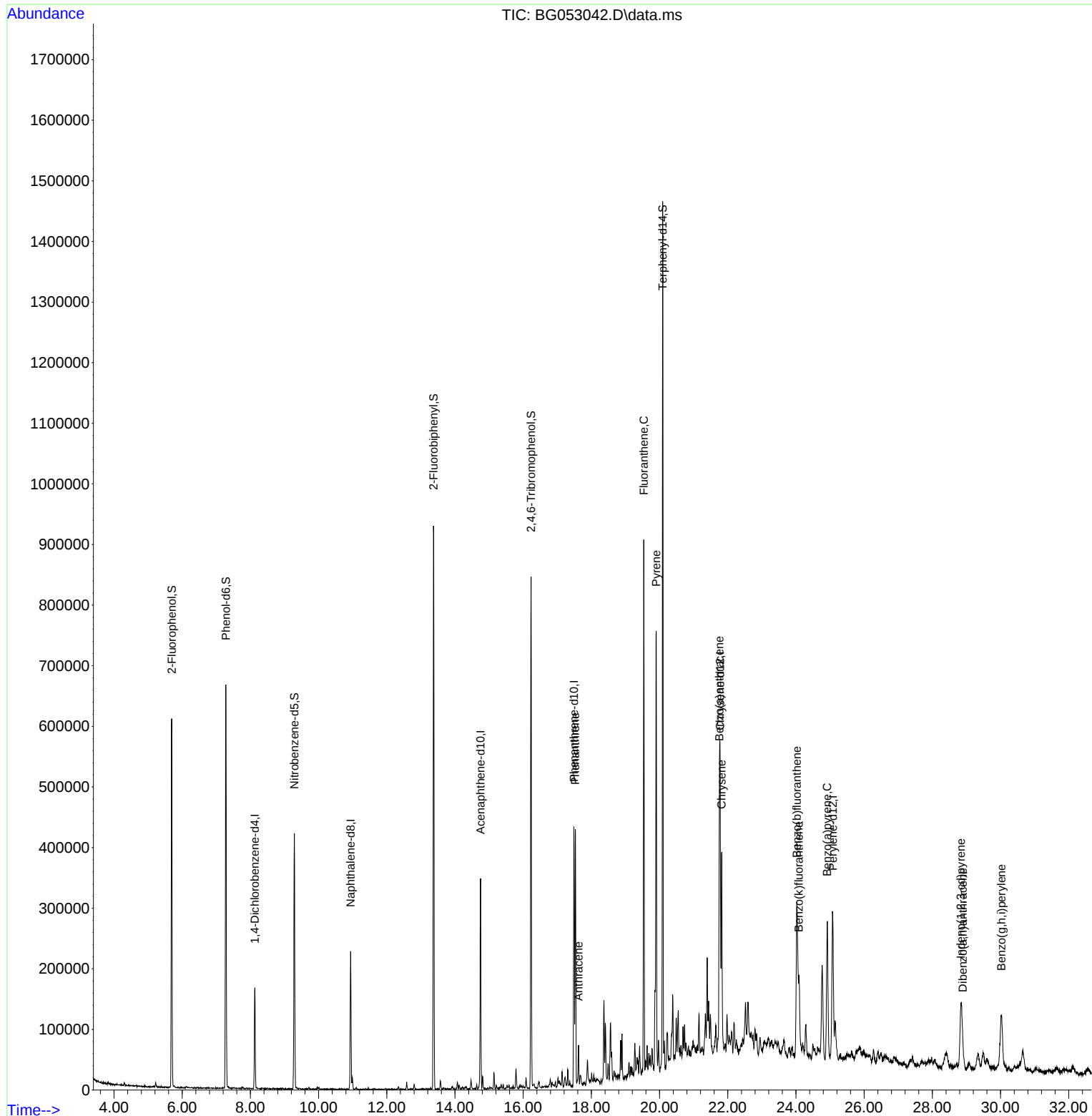
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053042.D
Acq On : 5 Apr 2022 21:47
Operator : CG/JU
Sample : N2257-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Time: Apr 06 04:15:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 14:24:42 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

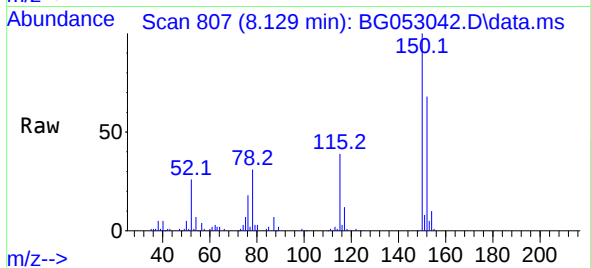
Reviewed By : Christian Giraldo 04/06/2022
Supervised By : Jagrut Upadhyay 04/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 807
Delta R.T. -0.017 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

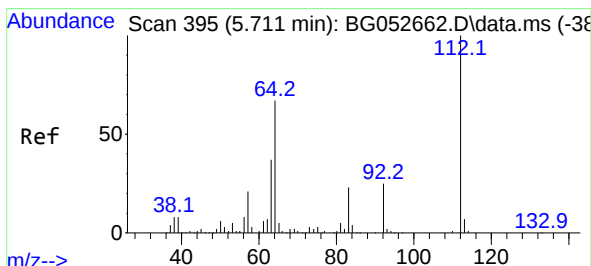
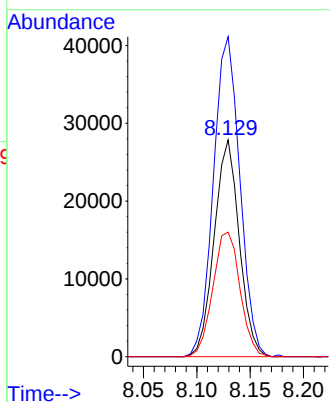
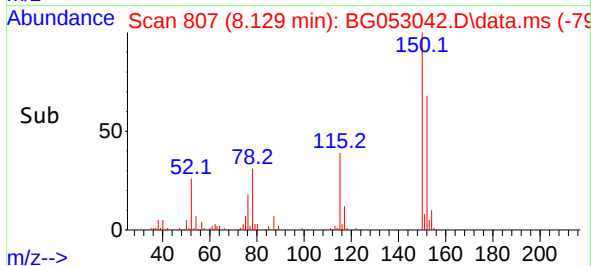
Instrument :
BNA_G
ClientSampleId :
TP-2



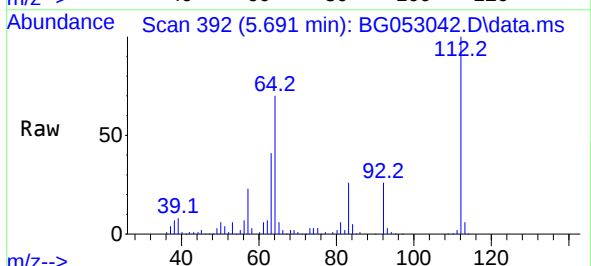
Tgt Ion:152 Resp: 45530
Ion Ratio Lower Upper
152 100
150 147.6 114.6 172.0
115 57.4 45.9 68.9

Manual Integrations
APPROVED

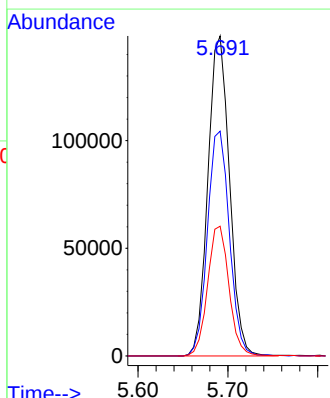
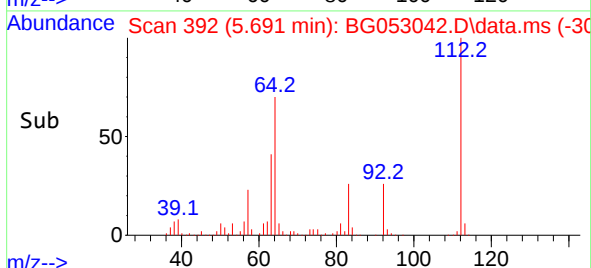
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

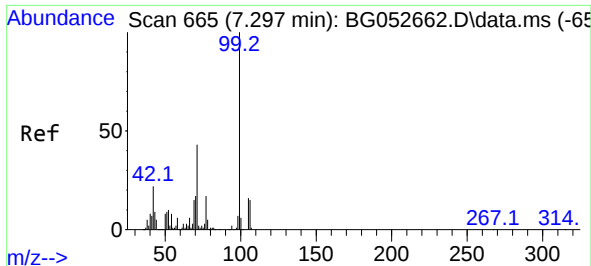


#5
2-Fluorophenol
Concen: 94.849 ng
RT: 5.691 min Scan# 392
Delta R.T. -0.005 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47



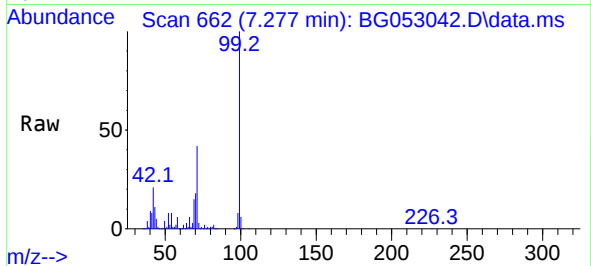
Tgt Ion:112 Resp: 248006
Ion Ratio Lower Upper
112 100
64 70.3 48.0 72.0
63 40.5 26.5 39.7#





#7
Phenol-d6
Concen: 93.504 ng
RT: 7.277 min Scan# 60
Delta R.T. -0.011 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

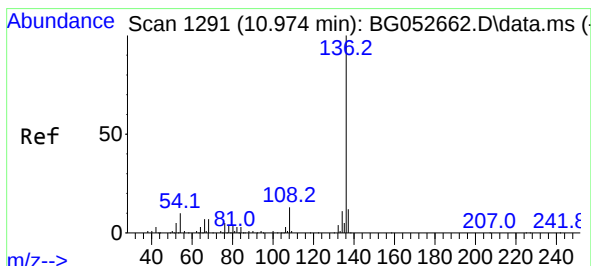
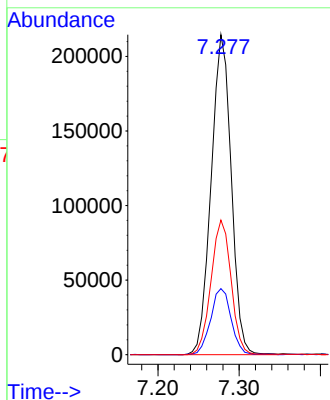
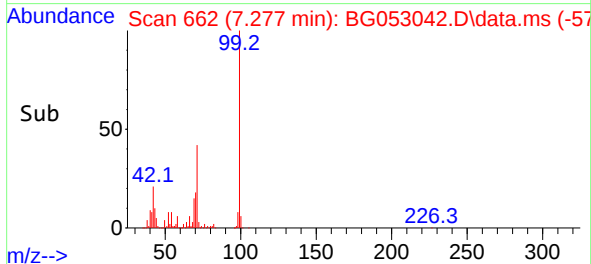
Instrument :
BNA_G
ClientSampleId :
TP-2



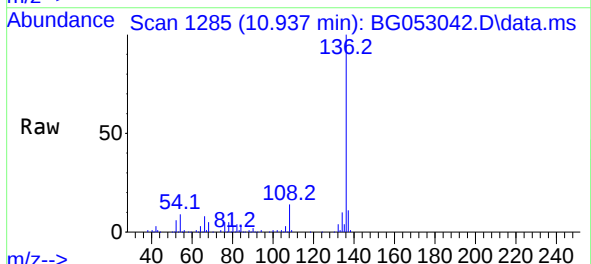
Tgt Ion: 99 Resp: 368590
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 42.0 29.2 43.8

Manual Integrations
APPROVED

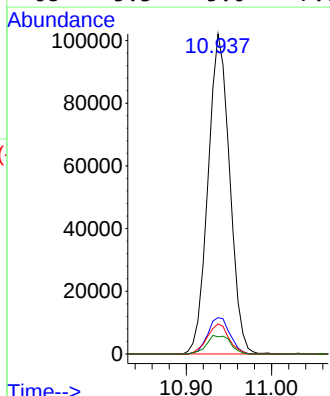
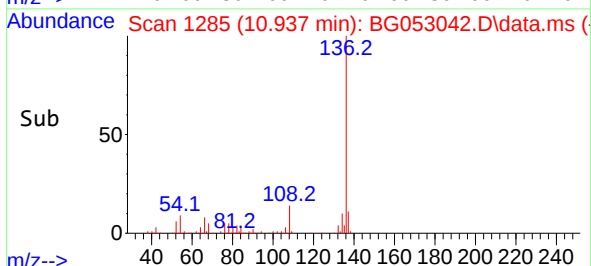
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

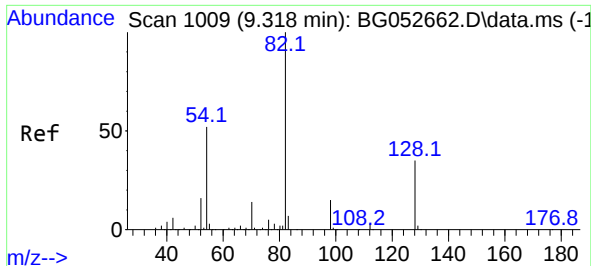


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.937 min Scan# 1285
Delta R.T. -0.023 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47



Tgt Ion:136 Resp: 179760
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 9.4 6.4 9.6
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 73.453 ng

RT: 9.286 min Scan# 1004

Delta R.T. -0.017 min

Lab File: BG053042.D

Acq: 5 Apr 2022 21:47

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion: 82 Resp: 263078

Ion Ratio Lower Upper

82 100

128 34.9 31.3 46.9

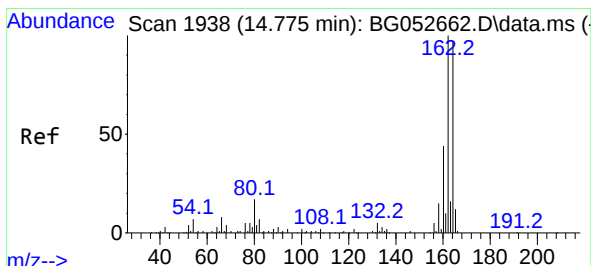
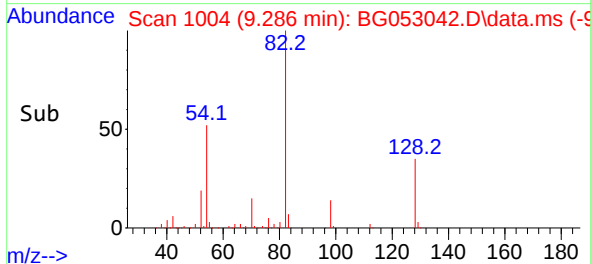
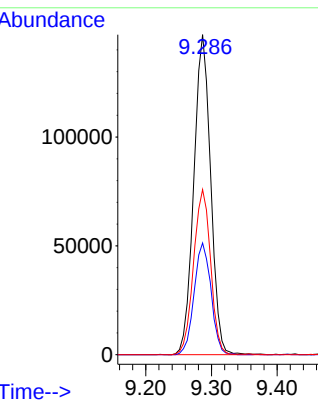
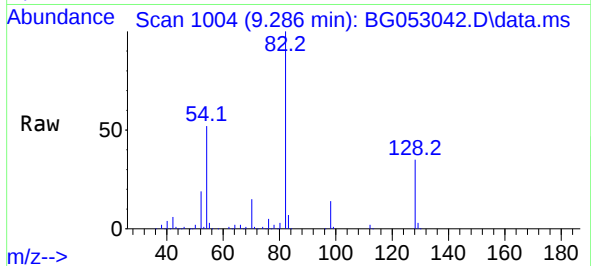
54 51.6 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.750 min Scan# 1934

Delta R.T. -0.017 min

Lab File: BG053042.D

Acq: 5 Apr 2022 21:47

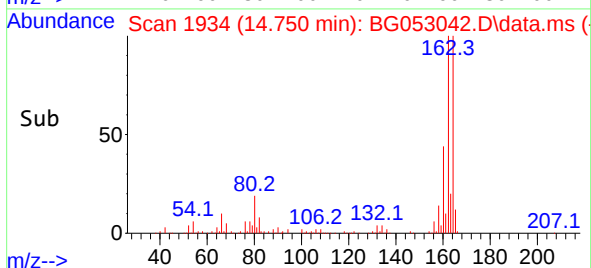
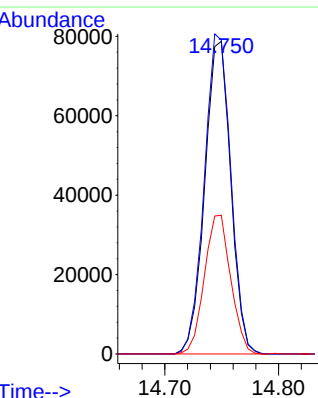
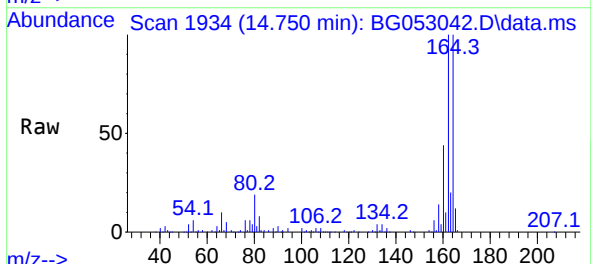
Tgt Ion:164 Resp: 124961

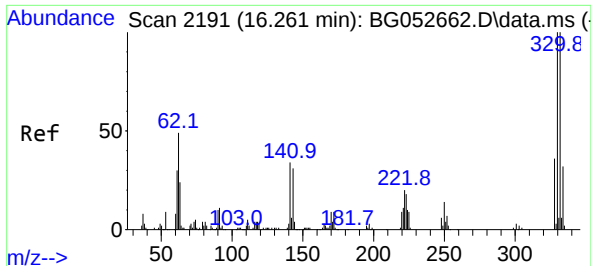
Ion Ratio Lower Upper

164 100

162 100.4 80.0 120.0

160 44.4 38.8 58.2





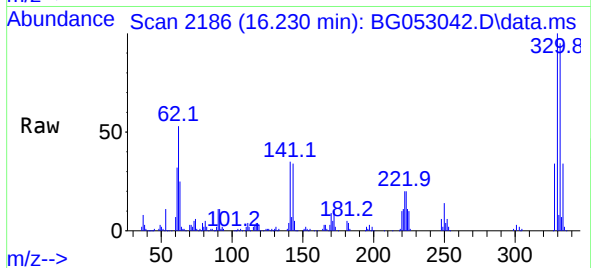
#42
2,4,6-Tribromophenol
Concen: 95.167 ng
RT: 16.230 min Scan# 2191
Delta R.T. -0.017 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Instrument :

BNA_G

ClientSampleId :

TP-2

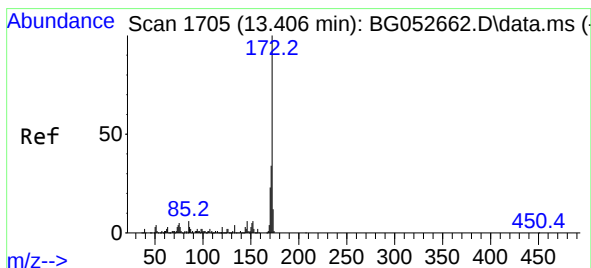
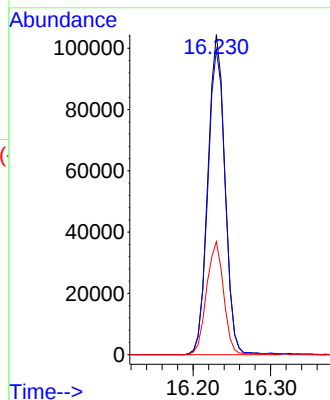
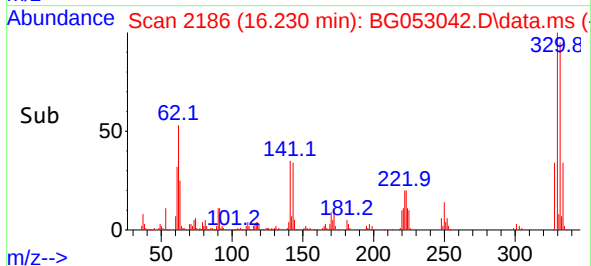


Tgt Ion:330 Resp: 159799
Ion Ratio Lower Upper
330 100
332 96.5 75.8 113.6
141 35.4 24.6 36.8

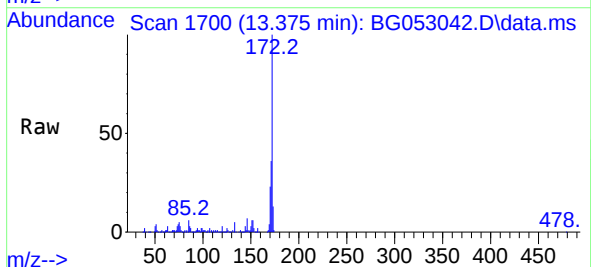
Manual Integrations

APPROVED

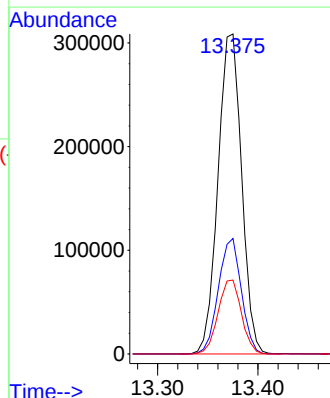
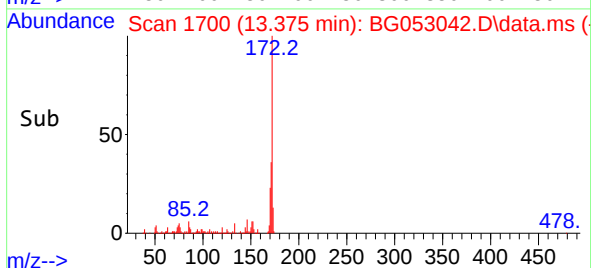
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

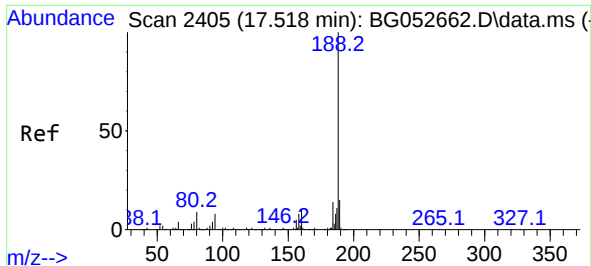


#45
2-Fluorobiphenyl
Concen: 59.501 ng
RT: 13.375 min Scan# 1700
Delta R.T. -0.017 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47



Tgt Ion:172 Resp: 504140
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.1 18.0 27.0





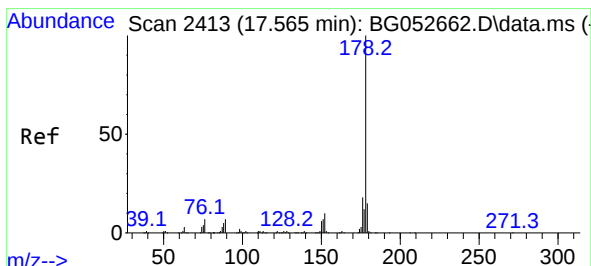
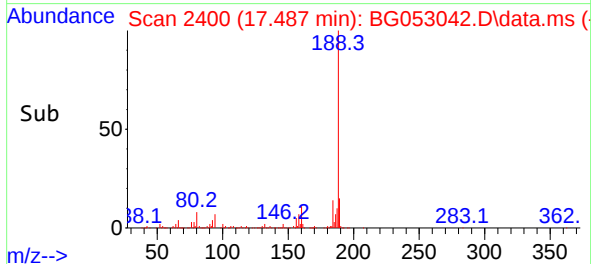
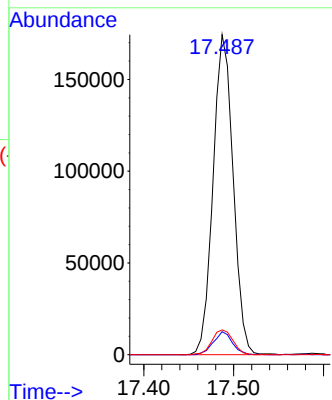
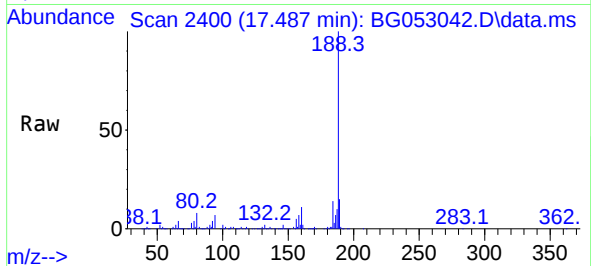
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.487 min Scan# 2405
Delta R.T. -0.017 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:188 Resp: 27037
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.7 7.2 10.8

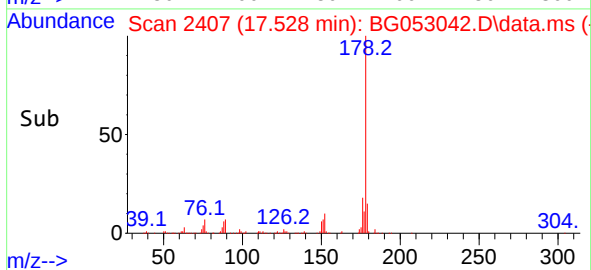
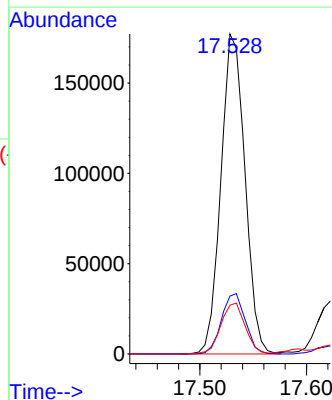
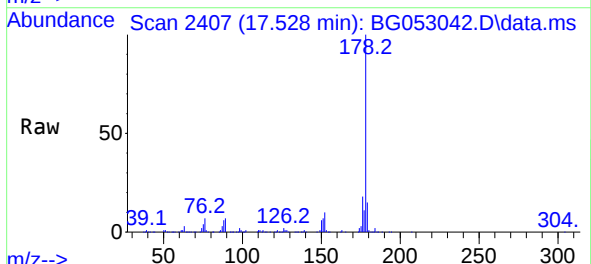
Manual Integrations
APPROVED

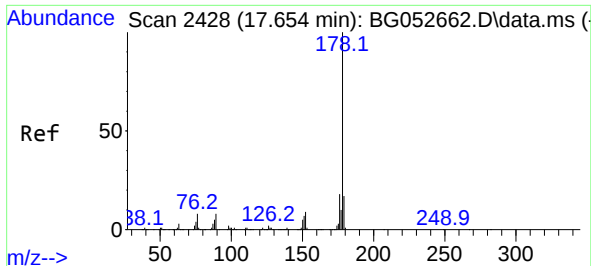
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 19.177 ng
RT: 17.528 min Scan# 2407
Delta R.T. -0.023 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

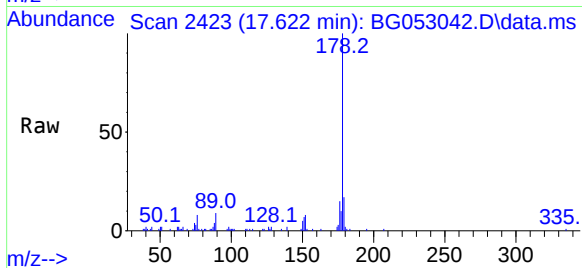
Tgt Ion:178 Resp: 277377
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 15.3 13.4 20.2





#72
 Anthracene
 Concen: 3.102 ng
 RT: 17.622 min Scan# 2428
 Delta R.T. -0.017 min
 Lab File: BG053042.D
 Acq: 5 Apr 2022 21:47

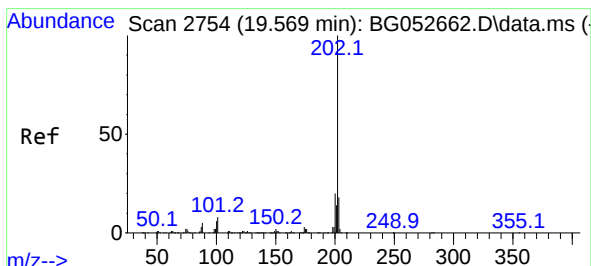
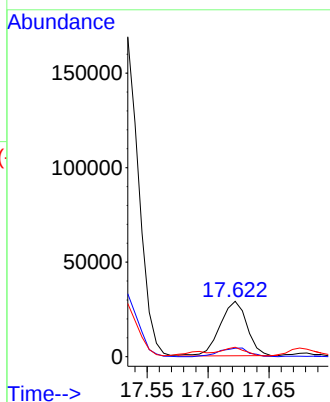
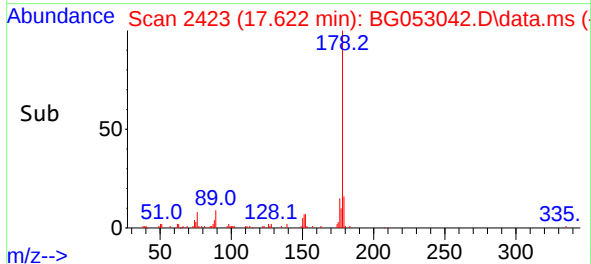
Instrument :
 BNA_G
 ClientSampleId :
 TP-2



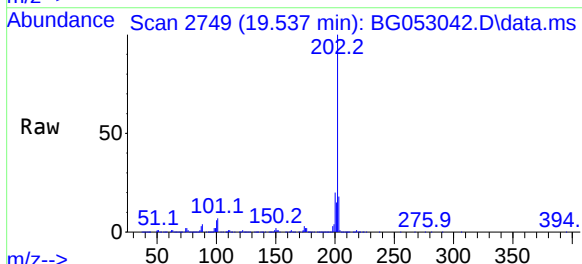
Tgt Ion:178 Resp: 4435
 Ion Ratio Lower Upper
 178 100
 176 15.2 14.7 22.1
 179 17.1 13.2 19.8

Manual Integrations
 APPROVED

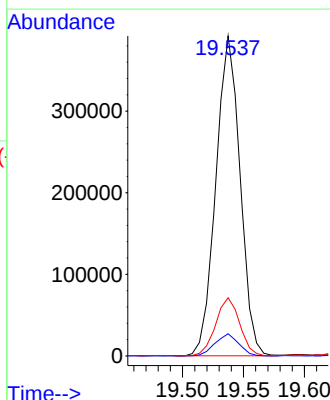
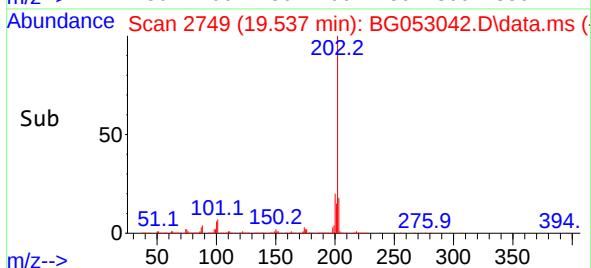
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022

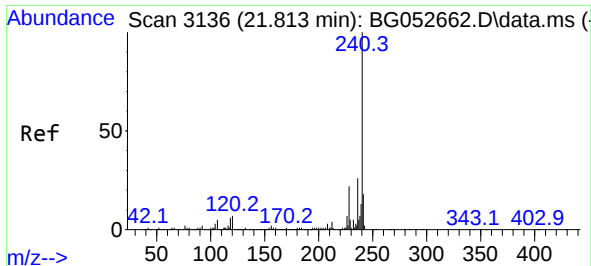


#75
 Fluoranthene
 Concen: 29.526 ng
 RT: 19.537 min Scan# 2749
 Delta R.T. -0.017 min
 Lab File: BG053042.D
 Acq: 5 Apr 2022 21:47



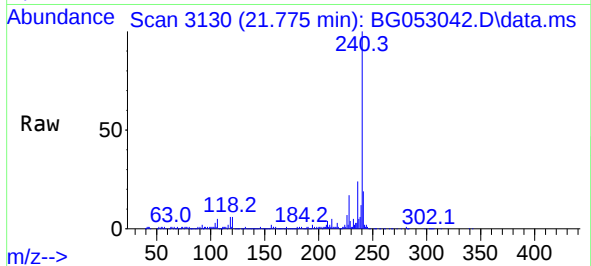
Tgt Ion:202 Resp: 542110
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 27.3
 203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3136
Delta R.T. -0.023 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

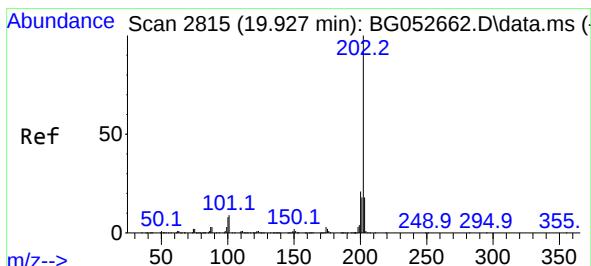
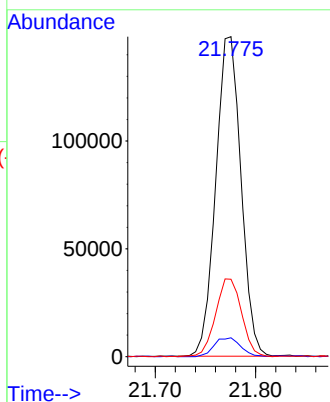
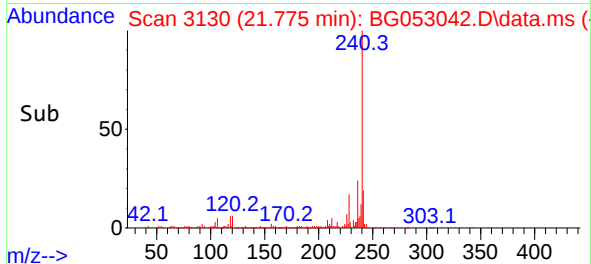
Instrument :
BNA_G
ClientSampleId :
TP-2



Tgt Ion:240 Resp: 258450
Ion Ratio Lower Upper
240 100
120 5.9 5.4 8.0
236 24.2 19.8 29.6

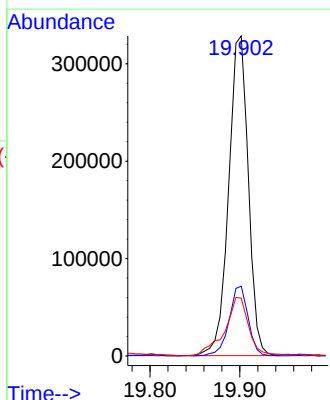
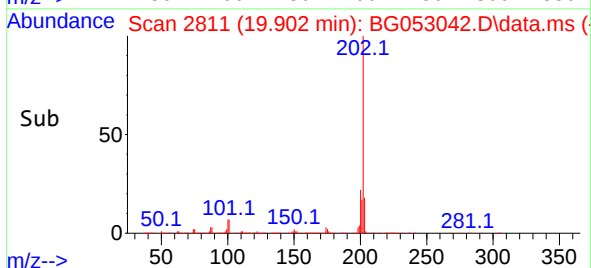
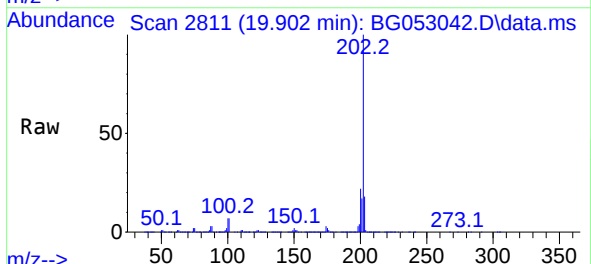
Manual Integrations
APPROVED

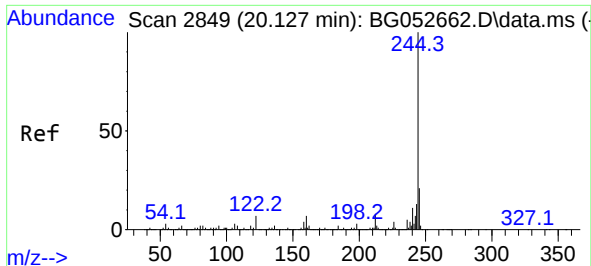
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#78
Pyrene
Concen: 27.817 ng
RT: 19.902 min Scan# 2811
Delta R.T. -0.017 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

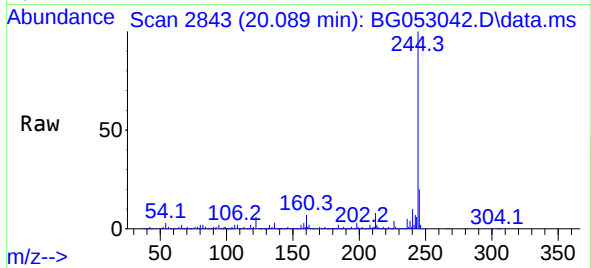
Tgt Ion:202 Resp: 498690
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 18.1 15.0 22.6





#79
 Terphenyl-d14
 Concen: 49.991 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BG053042.D
 Acq: 5 Apr 2022 21:47

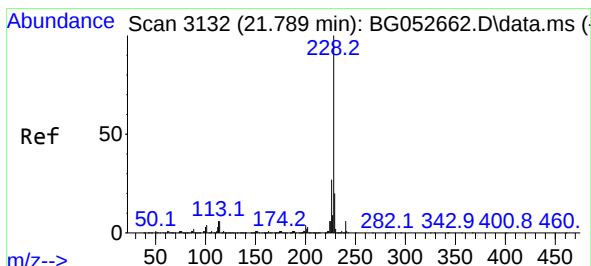
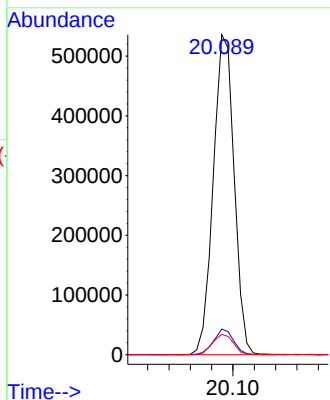
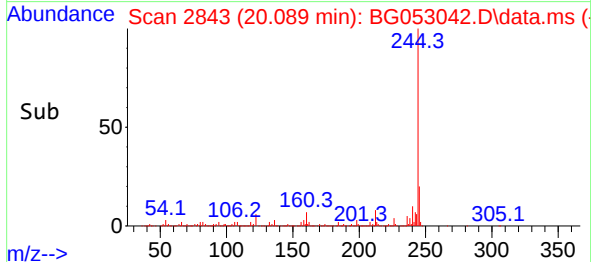
Instrument :
 BNA_G
 ClientSampleId :
 TP-2



Tgt Ion:244 Resp: 726328
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 6.3 5.8 8.6

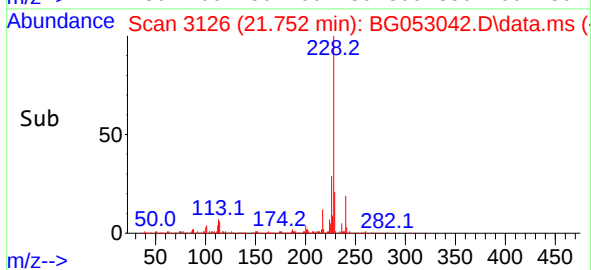
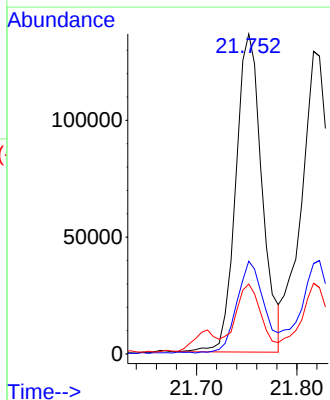
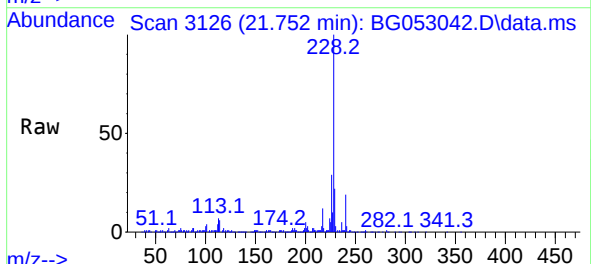
Manual Integrations
 APPROVED

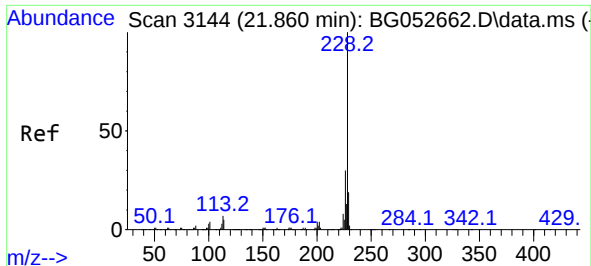
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022



#81
 Benzo(a)anthracene
 Concen: 14.299 ng
 RT: 21.752 min Scan# 3126
 Delta R.T. -0.023 min
 Lab File: BG053042.D
 Acq: 5 Apr 2022 21:47

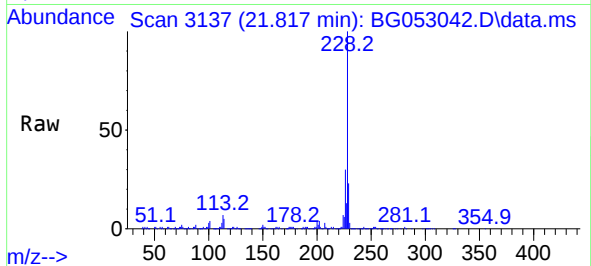
Tgt Ion:228 Resp: 247467
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.4 32.0
 229 21.8 16.7 25.1





#83
Chrysene
Concen: 15.259 ng
RT: 21.817 min Scan# 31
Delta R.T. -0.029 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

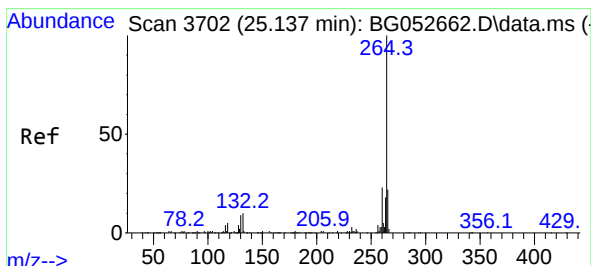
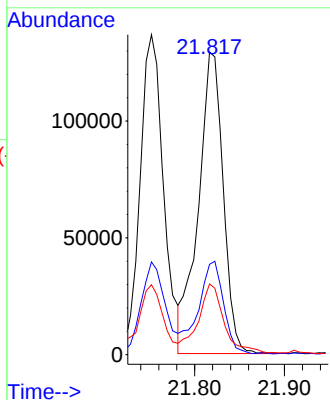
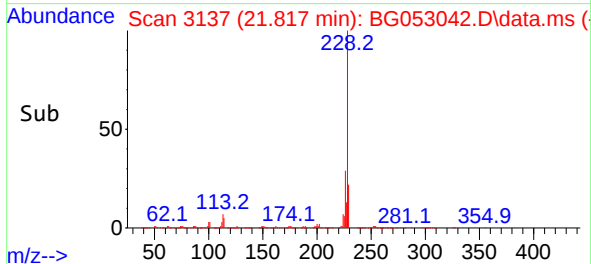
Instrument :
BNA_G
ClientSampleId :
TP-2



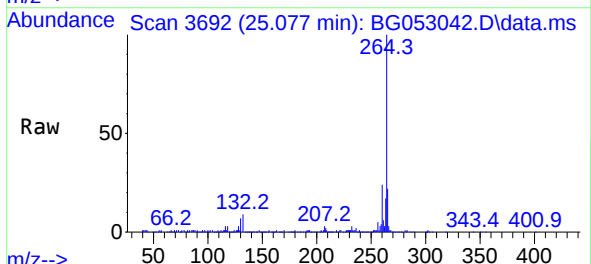
Tgt Ion:228 Resp: 24825
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 23.4 16.3 24.5

Manual Integrations
APPROVED

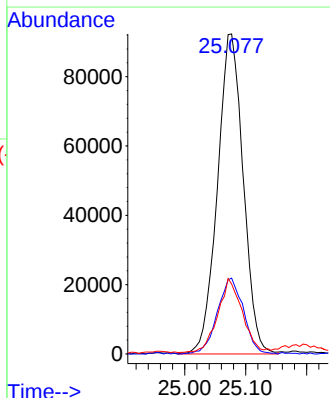
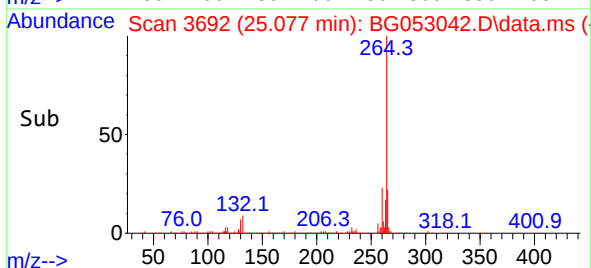
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

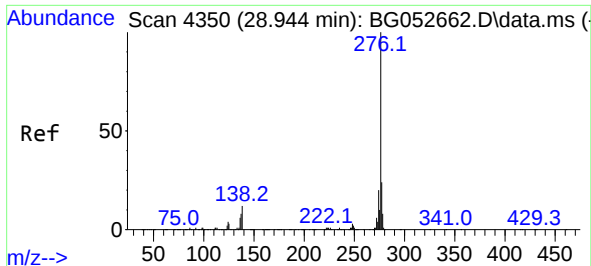


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.077 min Scan# 3692
Delta R.T. -0.035 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47



Tgt Ion:264 Resp: 271284
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 21.9 15.1 22.7





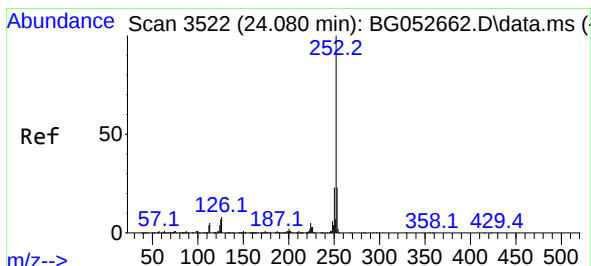
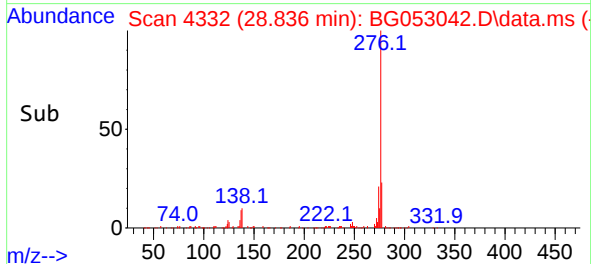
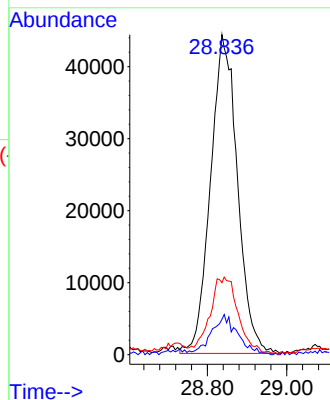
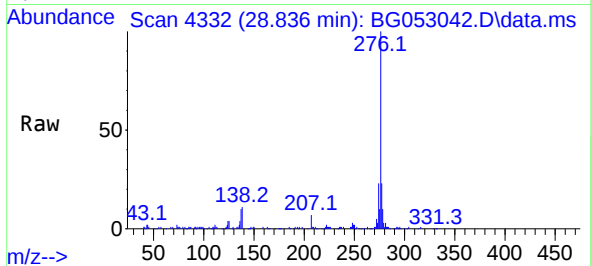
#87
Indeno(1,2,3-cd)pyrene
Concen: 11.225 ng
RT: 28.836 min Scan# 41
Delta R.T. -0.064 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:276 Resp: 208440
Ion Ratio Lower Upper
276 100
138 12.2 8.7 13.1
277 9.8 20.2 30.4

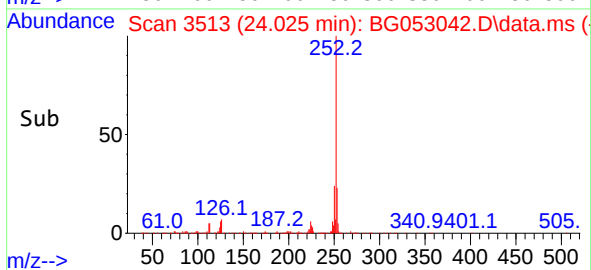
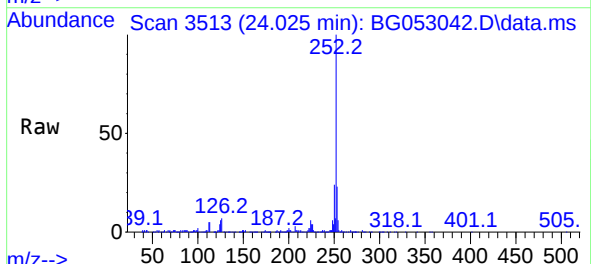
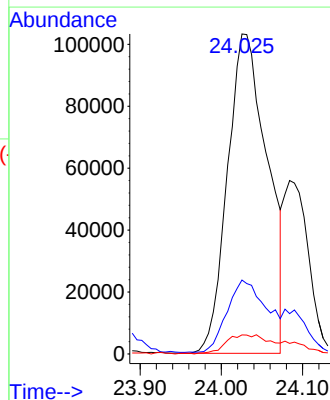
Manual Integrations
APPROVED

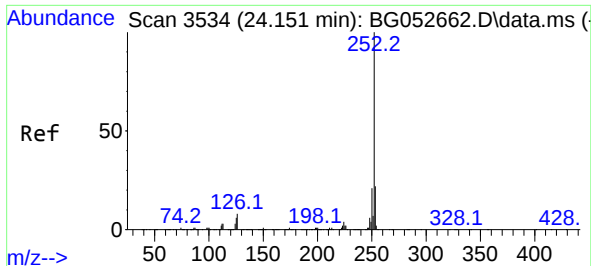
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#88
Benzo(b)fluoranthene
Concen: 20.856 ng
RT: 24.025 min Scan# 3513
Delta R.T. -0.029 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Tgt Ion:252 Resp: 351299
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 6.0 5.2 7.8





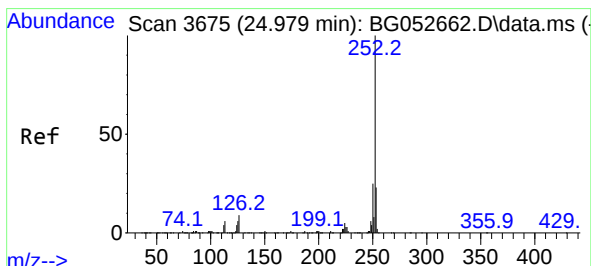
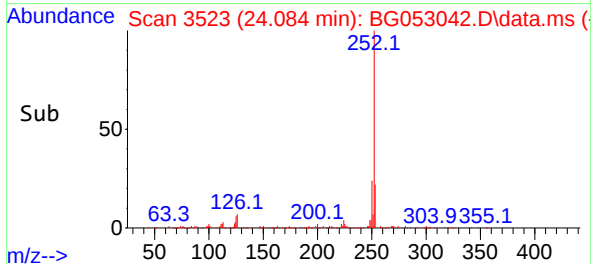
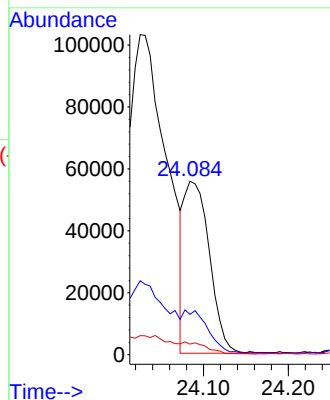
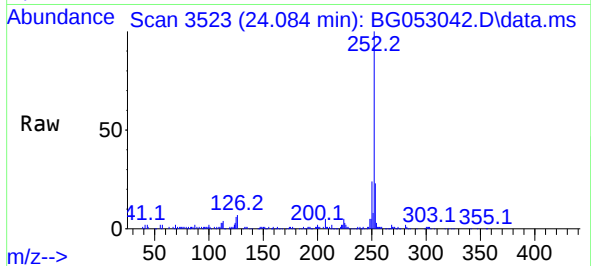
#89
Benzo(k)fluoranthene
Concen: 6.965 ng m
RT: 24.084 min Scan# 31
Delta R.T. -0.046 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:252 Resp: 11543
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 6.1 5.0 7.4

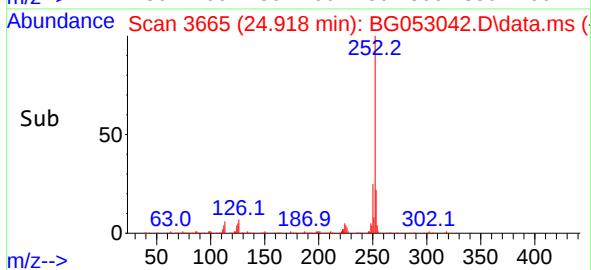
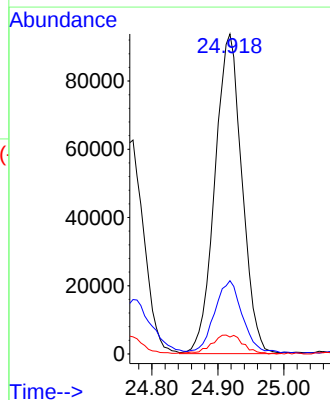
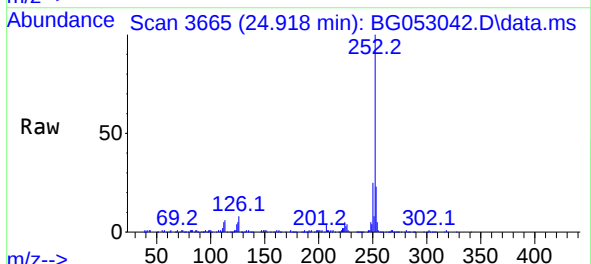
Manual Integrations
APPROVED

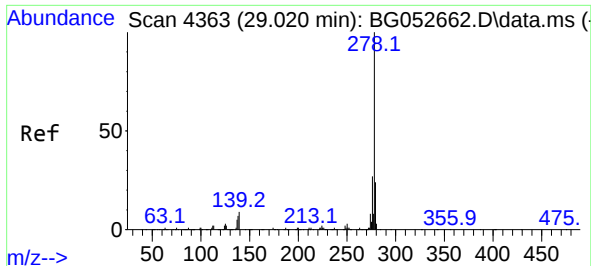
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#90
Benzo(a)pyrene
Concen: 18.707 ng m
RT: 24.918 min Scan# 3665
Delta R.T. -0.035 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

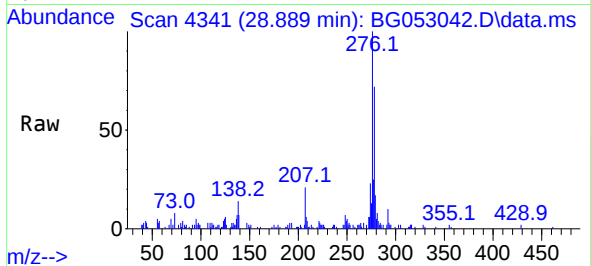
Tgt Ion:252 Resp: 266722
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 5.3 5.6 8.4#





#91
Dibenzo(a,h)anthracene
Concen: 3.291 ng
RT: 28.889 min Scan# 41
Delta R.T. -0.081 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

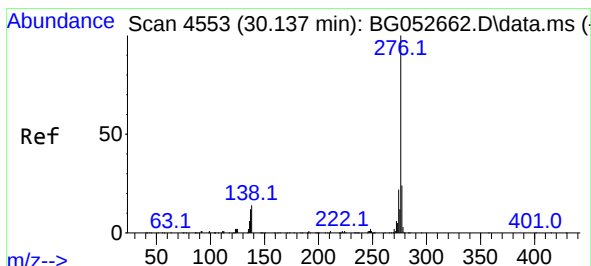
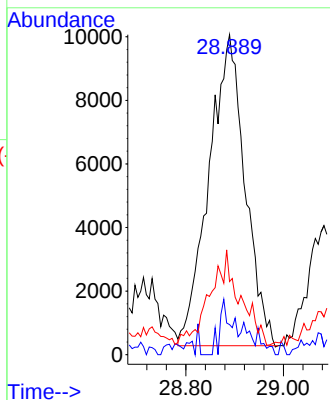
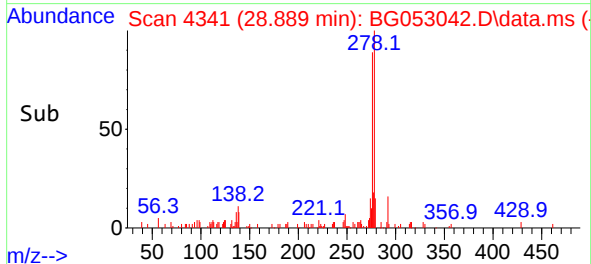
Instrument :
BNA_G
ClientSampleId :
TP-2



Tgt Ion:278 Resp: 5035
Ion Ratio Lower Upper
278 100
139 9.4 7.8 11.6
279 22.8 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#92
Benzo(g,h,i)perylene
Concen: 13.375 ng
RT: 30.023 min Scan# 4534
Delta R.T. -0.070 min
Lab File: BG053042.D
Acq: 5 Apr 2022 21:47

Tgt Ion:276 Resp: 202479
Ion Ratio Lower Upper
276 100
277 24.0 18.2 27.2
138 13.3 9.1 13.7

