

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053253.D
 Acq On : 21 Apr 2022 22:42
 Operator : CG/JU
 Sample : N2507-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-042022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/22/2022
 Supervised By : Jagrut Upadhyay 04/22/2022

Quant Time: Apr 22 02:58:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	37883	20.000	ng	0.00
21) Naphthalene-d8	10.925	136	149525	20.000	ng	-0.01
39) Acenaphthene-d10	14.737	164	96154	20.000	ng	-0.01
64) Phenanthrene-d10	17.481	188	189377	20.000	ng	-0.01
76) Chrysene-d12	21.775	240	177227	20.000	ng	0.00
86) Perylene-d12	25.082	264	188287	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	230666	104.375	ng	0.00
7) Phenol-d6	7.277	99	338851	99.428	ng	0.00
23) Nitrobenzene-d5	9.274	82	241731	65.642	ng	-0.01
42) 2,4,6-Tribromophenol	16.230	330	133562	87.308	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	495197	71.014	ng	0.00
79) Terphenyl-d14	20.089	244	661611	63.049	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.978	128	16069	2.014	ng	98
49) Acenaphthylene	14.467	152	32503m	3.758	ng	
58) Fluorene	15.783	166	28312	3.817	ng	94
71) Phenanthrene	17.528	178	328697	31.776	ng	98
72) Anthracene	17.616	178	92297	9.006	ng	98
73) Carbazole	17.880	167	22047	2.213	ng	# 95
75) Fluoranthene	19.537	202	775265	58.469	ng	98
78) Pyrene	19.901	202	702092	55.624	ng	99
81) Benzo(a)anthracene	21.757	228	464767	38.355	ng	98
83) Chrysene	21.822	228	405910m	36.094	ng	
87) Indeno(1,2,3-cd)pyrene	28.871	276	246065	17.590	ng	# 74
88) Benzo(b)fluoranthene	24.037	252	556422	46.838	ng	97
89) Benzo(k)fluoranthene	24.095	252	213885m	18.319	ng	
90) Benzo(a)pyrene	24.935	252	429381	42.427	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	63107m	5.481	ng	
92) Benzo(g,h,i)perylene	30.064	276	217448	19.162	ng	93

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

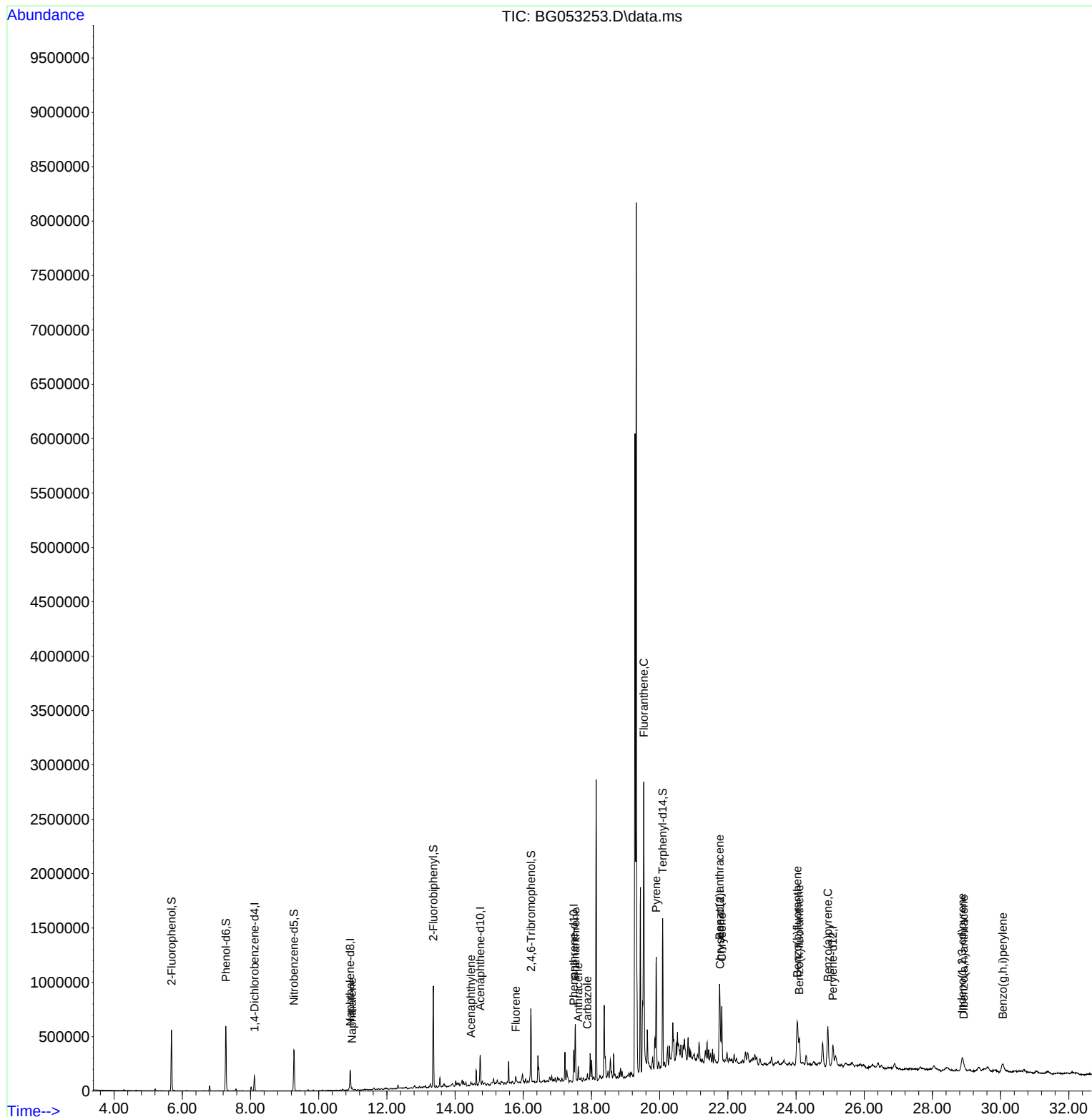
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Data File : BG053253.D
Acq On : 21 Apr 2022 22:42
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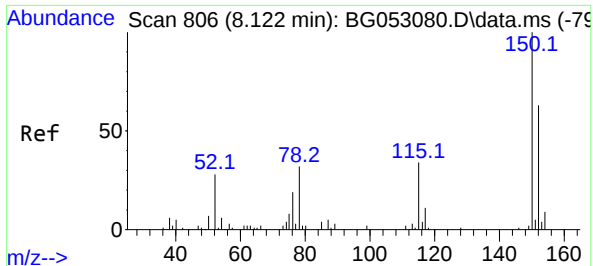
Instrument :
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Quant Time: Apr 22 02:58:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
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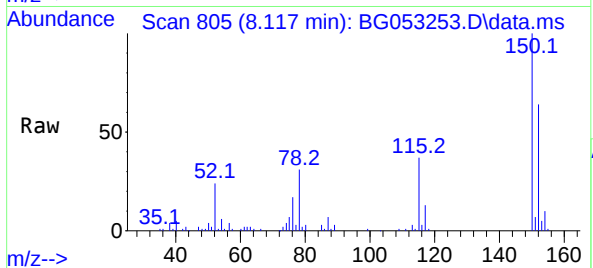
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.117 min Scan# 806
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

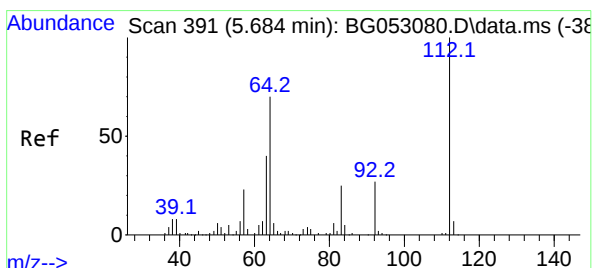
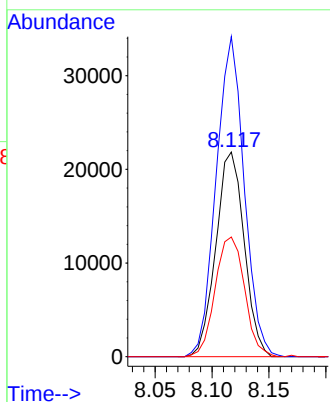
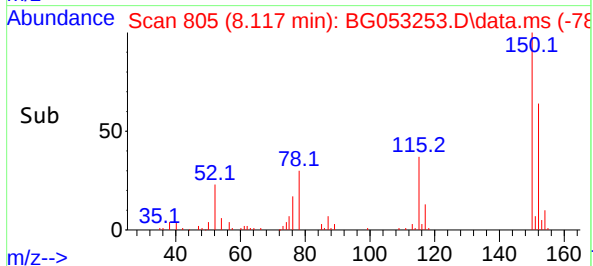


Tgt Ion:152 Resp: 3788
Ion Ratio Lower Upper
152 100
150 156.3 114.6 172.0
115 58.5 45.9 68.9

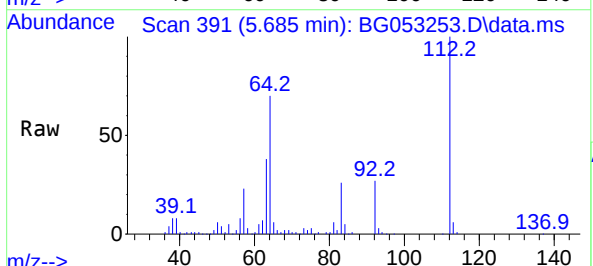
Manual Integrations

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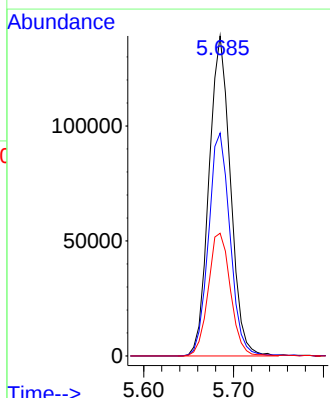
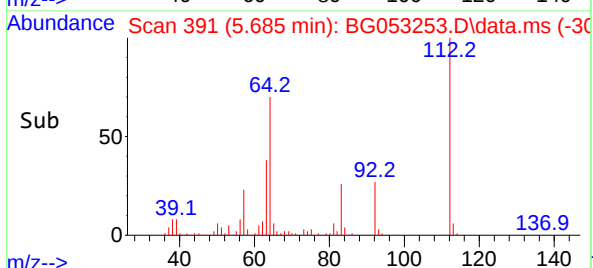
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#5
2-Fluorophenol
Concen: 104.375 ng
RT: 5.685 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42



Tgt Ion:112 Resp: 230666
Ion Ratio Lower Upper
112 100
64 69.7 48.0 72.0
63 38.4 26.5 39.7





#7
Phenol-d6
Concen: 99.428 ng
RT: 7.277 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

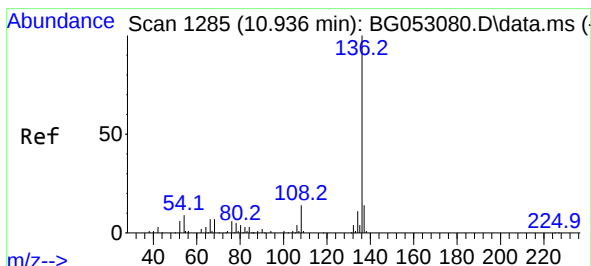
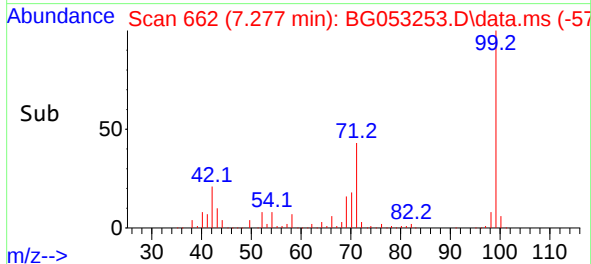
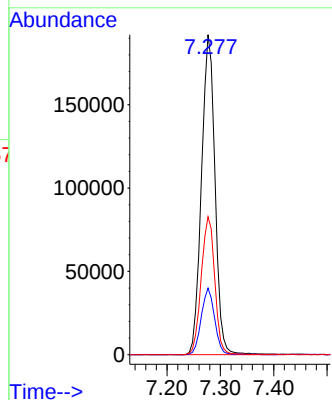
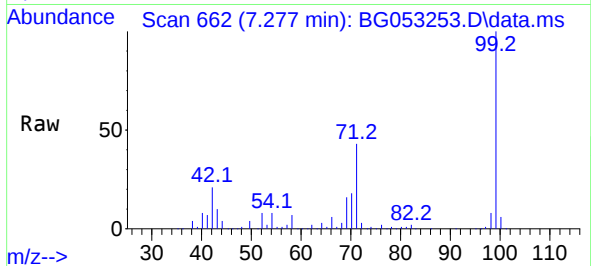
PL-01-042022

Tgt Ion: 99 Resp: 33885
Ion Ratio Lower Upper
99 100
42 20.8 14.7 22.1
71 43.1 29.2 43.8

Manual Integrations

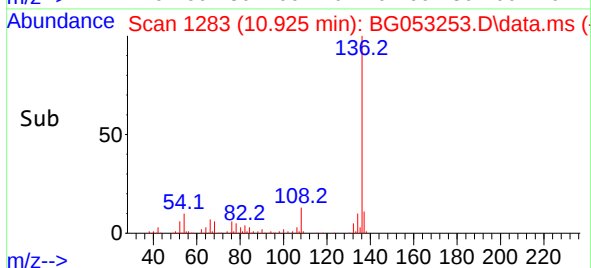
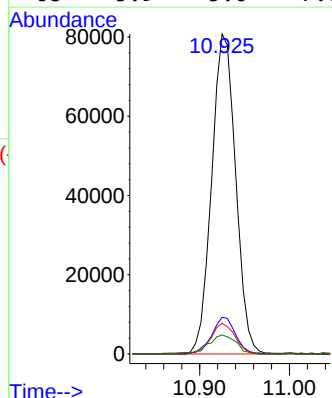
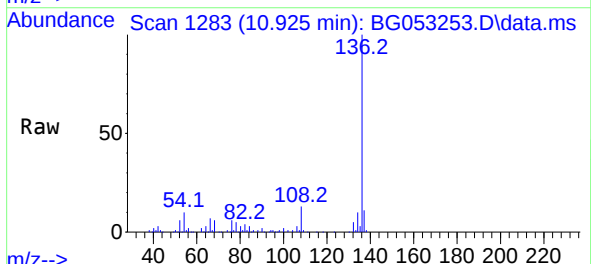
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.925 min Scan# 1283
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:136 Resp: 149525
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 9.6 6.4 9.6
68 5.9 5.0 7.6





#23

Nitrobenzene-d5

Concen: 65.642 ng

RT: 9.274 min Scan# 1004

Delta R.T. -0.011 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

Tgt Ion: 82 Resp: 24173

Ion Ratio Lower Upper

82 100

128 35.3 31.3 46.9

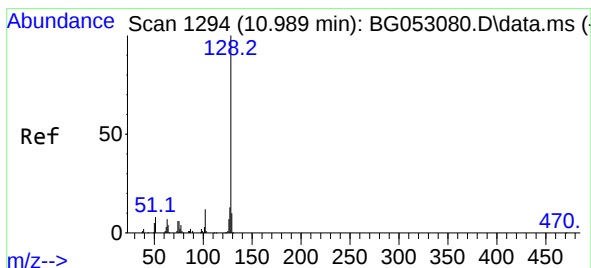
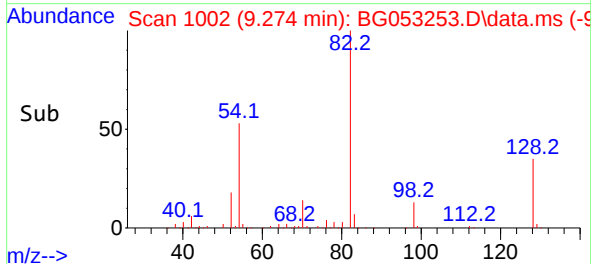
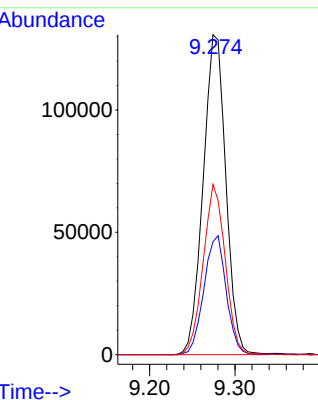
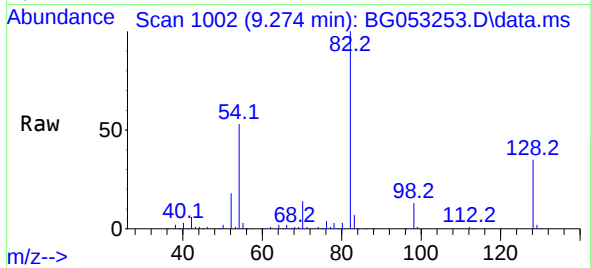
54 53.2 37.8 56.8

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#31

Naphthalene

Concen: 2.014 ng

RT: 10.978 min Scan# 1292

Delta R.T. -0.011 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

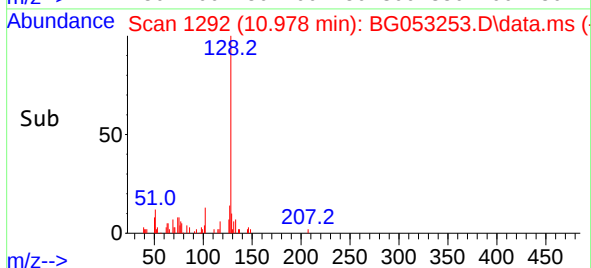
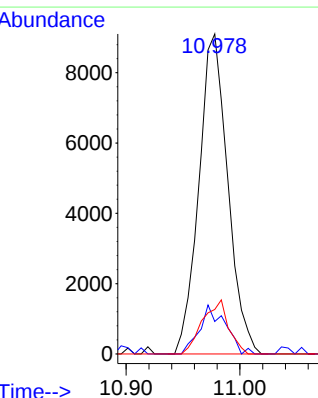
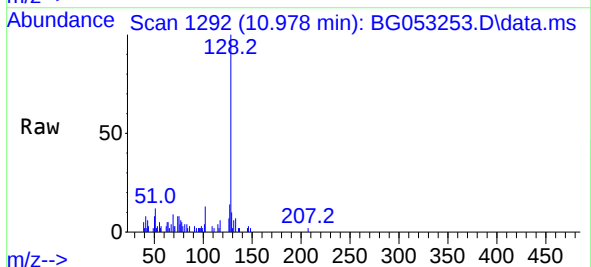
Tgt Ion:128 Resp: 16069

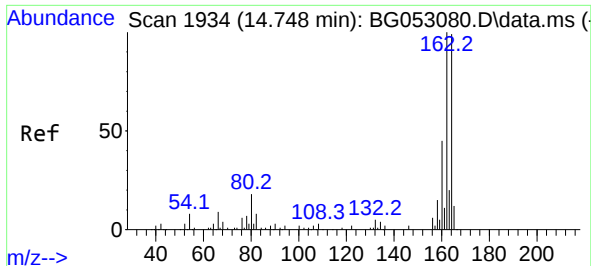
Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 13.9 10.5 15.7





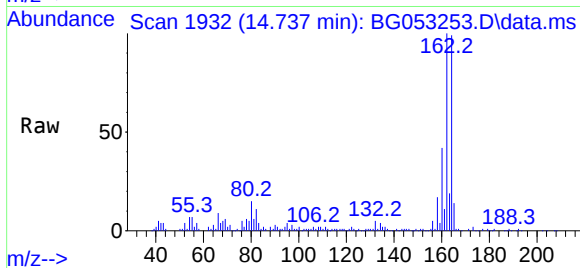
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

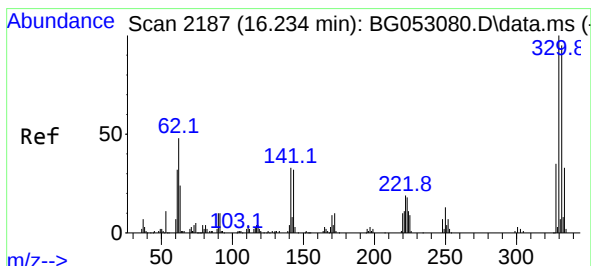
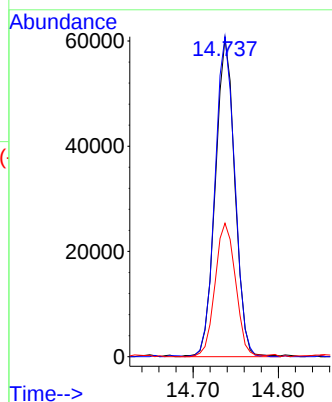
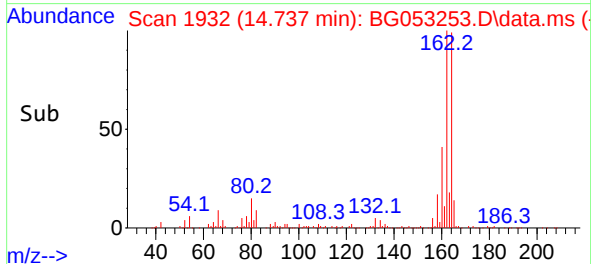


Tgt Ion:164 Resp: 96154
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 42.0 38.8 58.2

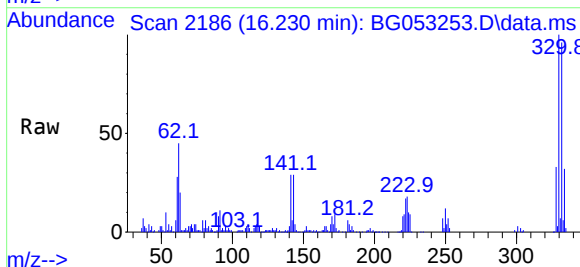
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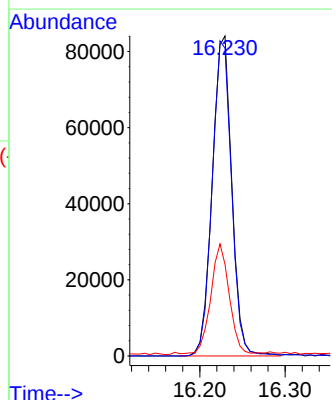
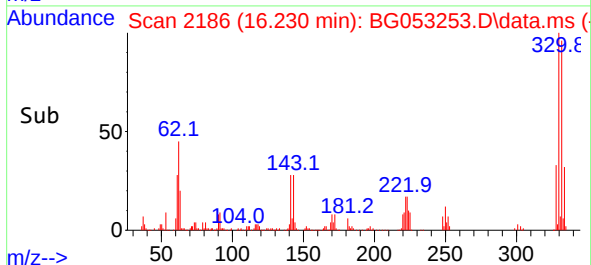
Reviewed By :Christian Giraldo 04/22/2022
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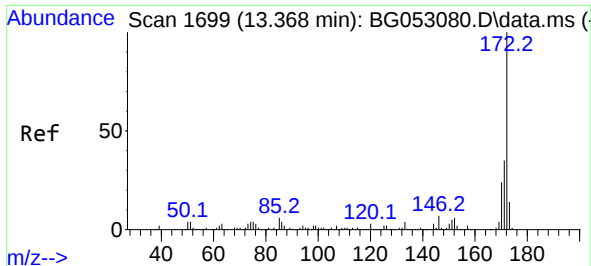


#42
2,4,6-Tribromophenol
Concen: 87.308 ng
RT: 16.230 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42



Tgt Ion:330 Resp: 133562
Ion Ratio Lower Upper
330 100
332 98.4 75.8 113.6
141 31.8 24.6 36.8





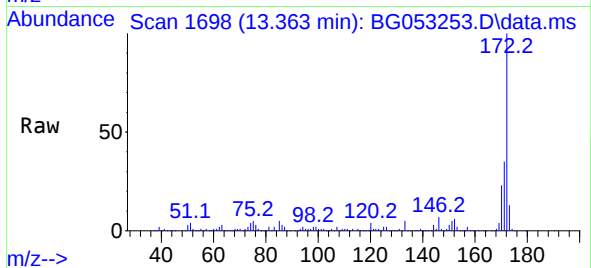
#45
2-Fluorobiphenyl
Concen: 71.014 ng
RT: 13.363 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

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PL-01-042022

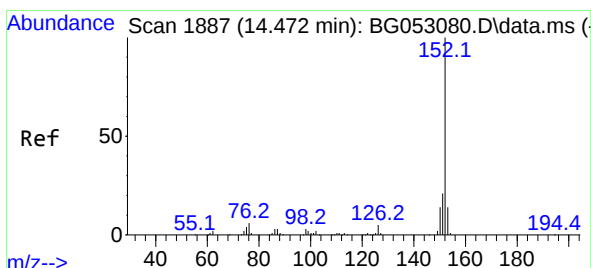
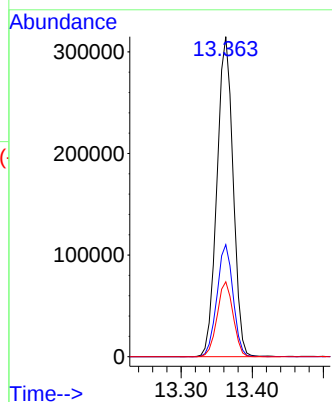
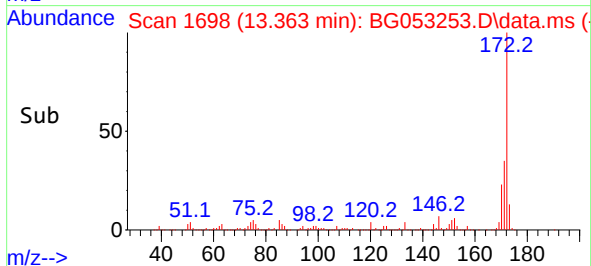


Tgt Ion:172 Resp: 495197
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.4 18.0 27.0

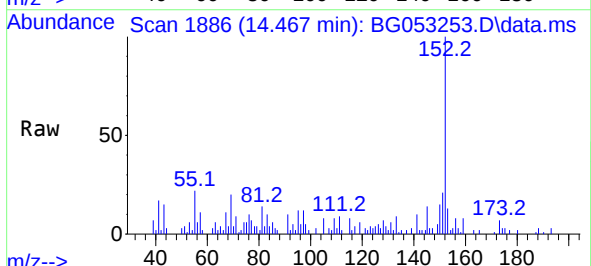
Manual Integrations

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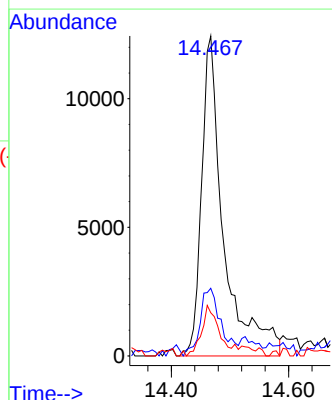
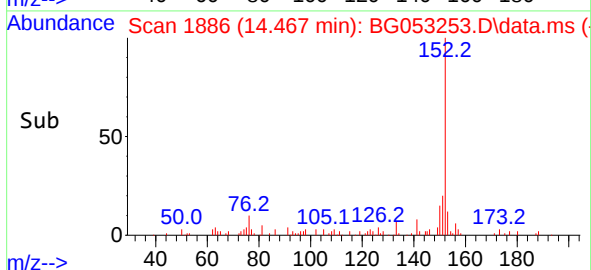
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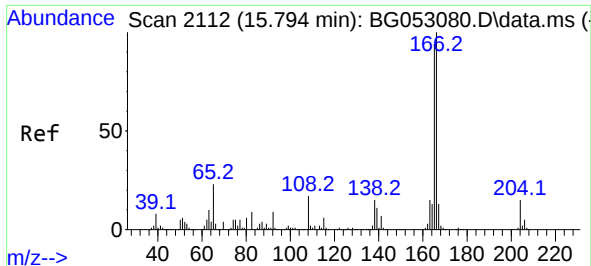


#49
Acenaphthylene
Concen: 3.758 ng m
RT: 14.467 min Scan# 1886
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42



Tgt Ion:152 Resp: 32503
Ion Ratio Lower Upper
152 100
151 21.2 15.8 23.6
153 13.5 10.6 15.8





#58
Fluorene
Concen: 3.817 ng
RT: 15.783 min Scan# 2112
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

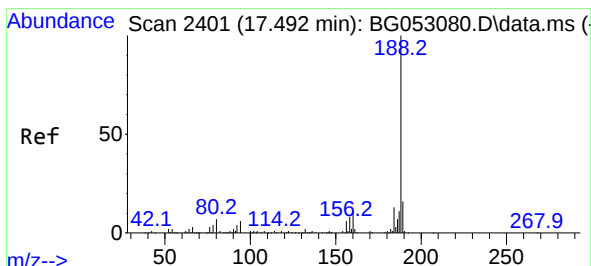
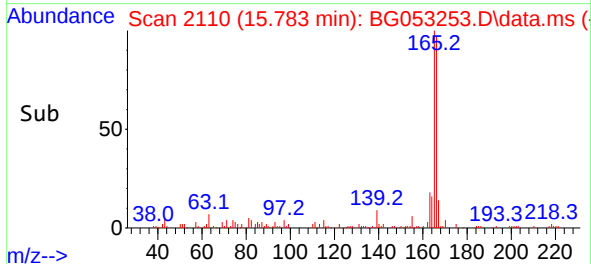
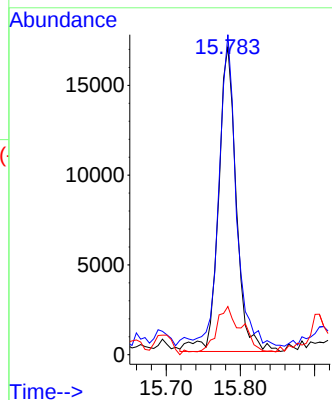
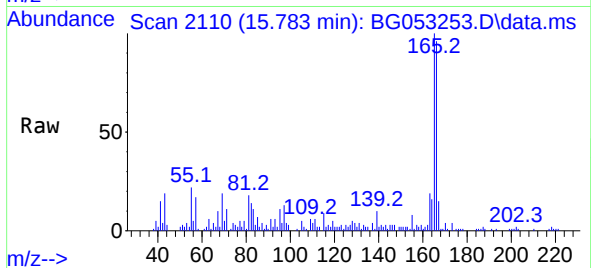
PL-01-042022

Tgt Ion:166 Resp: 2831
Ion Ratio Lower Upper
166 100
165 104.0 78.6 117.8
167 15.6 10.9 16.3

Manual Integrations

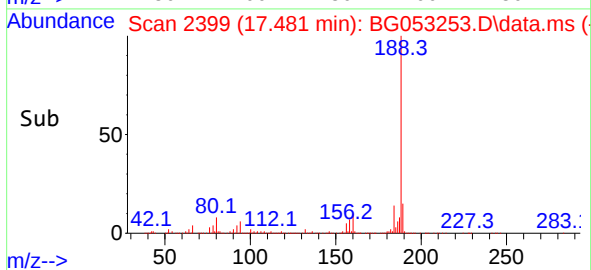
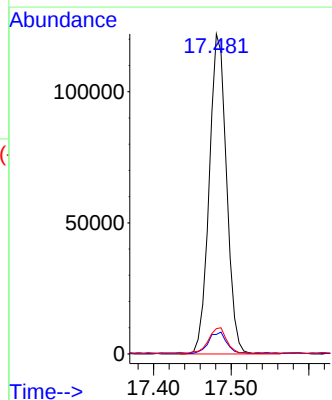
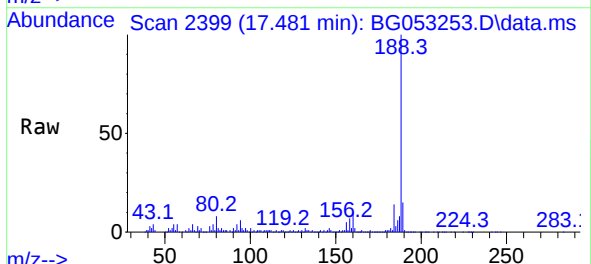
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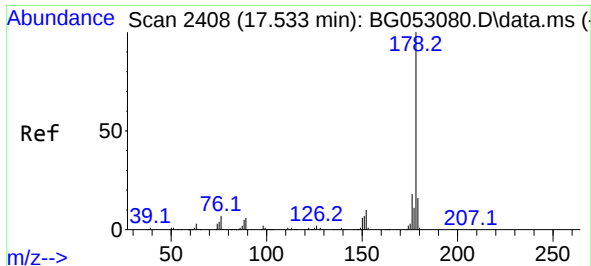
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.481 min Scan# 2399
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:188 Resp: 189377
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 7.9 7.2 10.8





#71
Phenanthrene
Concen: 31.776 ng
RT: 17.528 min Scan# 2408
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

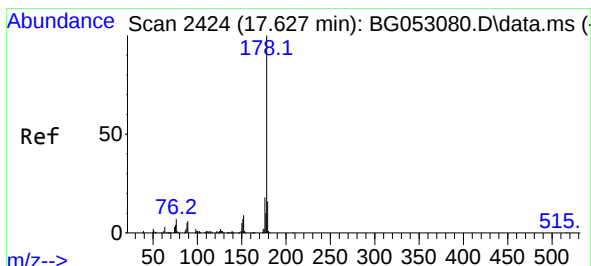
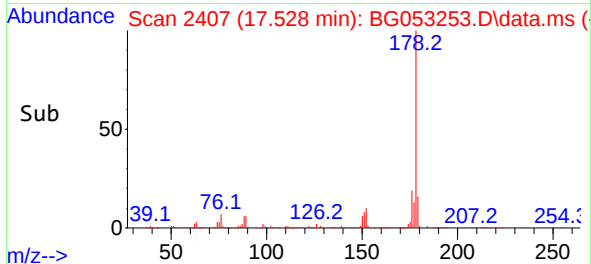
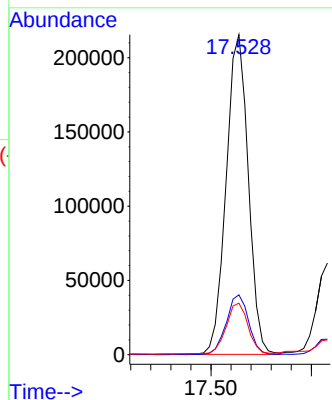
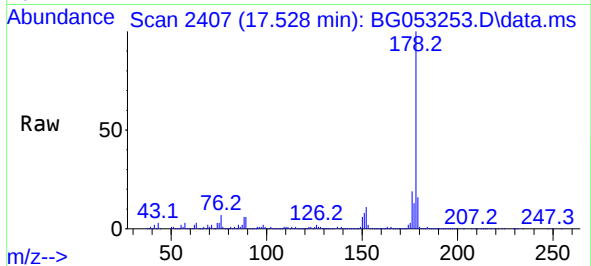
PL-01-042022

Tgt Ion:178 Resp: 32869
Ion Ratio Lower Upper
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176 18.7 15.9 23.9
179 16.1 13.4 20.2

Manual Integrations

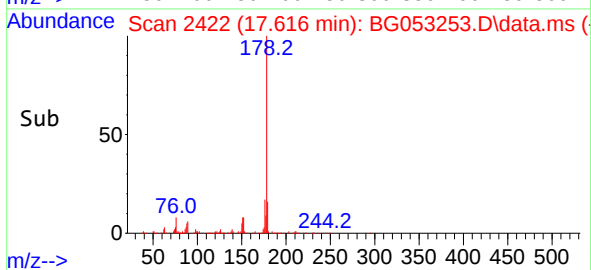
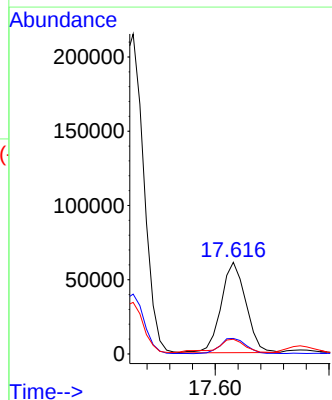
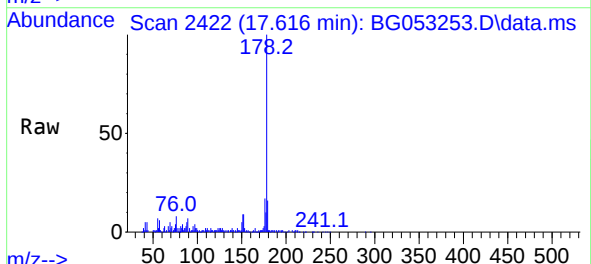
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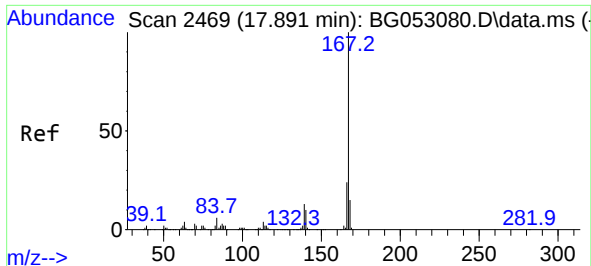
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#72
Anthracene
Concen: 9.006 ng
RT: 17.616 min Scan# 2422
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:178 Resp: 92297
Ion Ratio Lower Upper
178 100
176 17.0 14.7 22.1
179 16.2 13.2 19.8





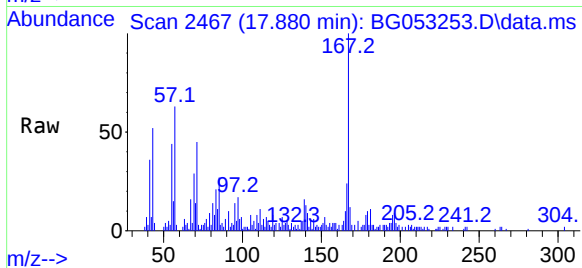
#73
 Carbazole
 Concen: 2.213 ng
 RT: 17.880 min Scan# 2467
 Delta R.T. -0.011 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

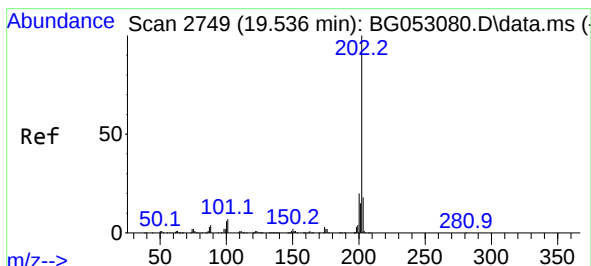
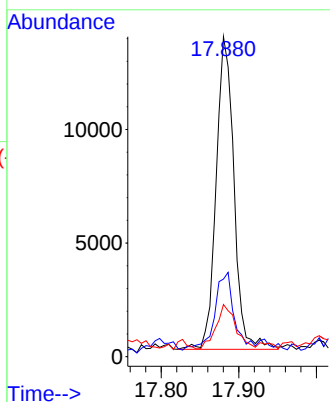
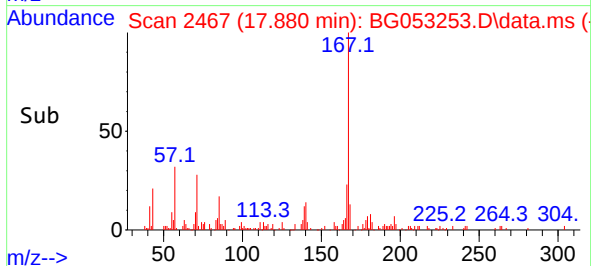


Tgt Ion:167 Resp: 2204
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.5 27.7
 139 16.3 10.0 15.0

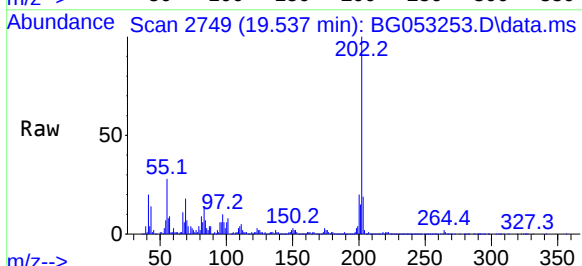
Manual Integrations

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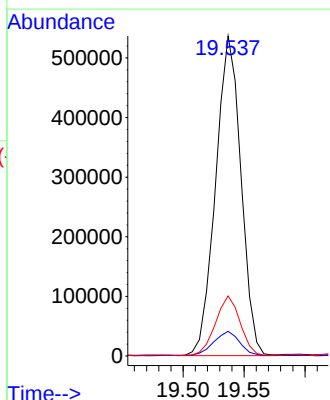
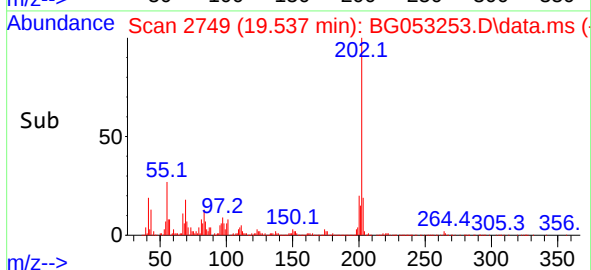
Reviewed By :Christian Giraldo 04/22/2022
 Supervised By :Jagrut Upadhyay 04/22/2022

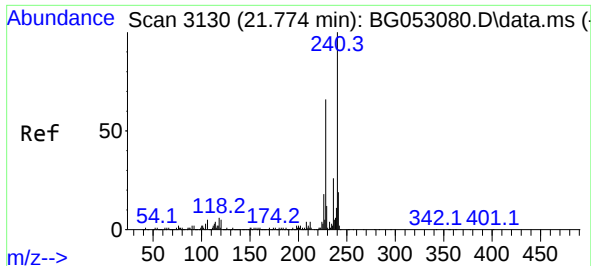


#75
 Fluoranthene
 Concen: 58.469 ng
 RT: 19.537 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42



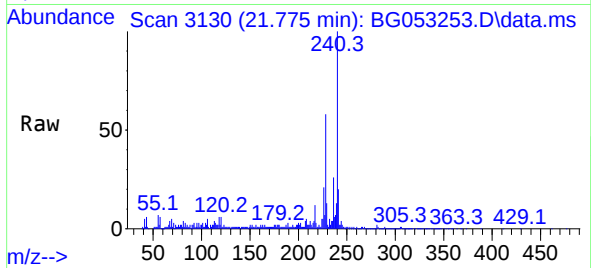
Tgt Ion:202 Resp: 775265
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 27.3
 203 18.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

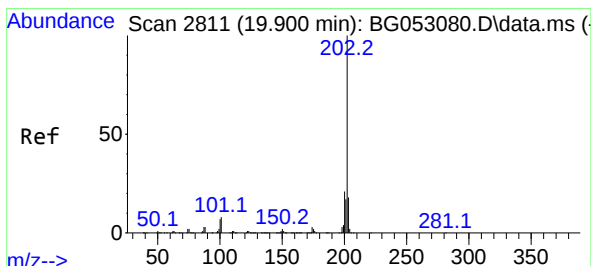
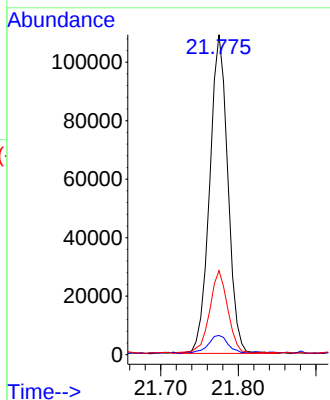
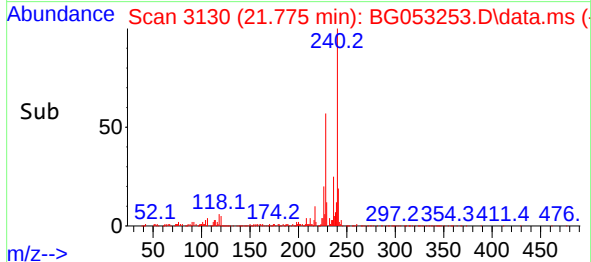
Instrument :
BNA_G
ClientSampleId :
PL-01-042022



Tgt Ion:240 Resp: 17722
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 26.3 19.8 29.6

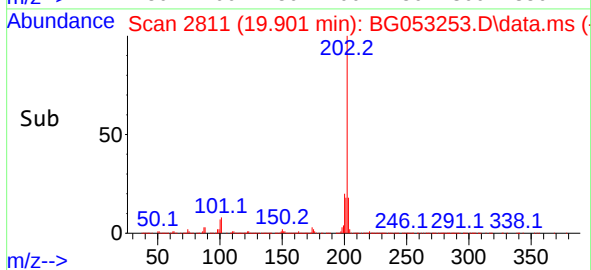
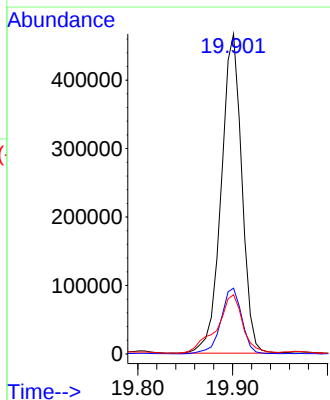
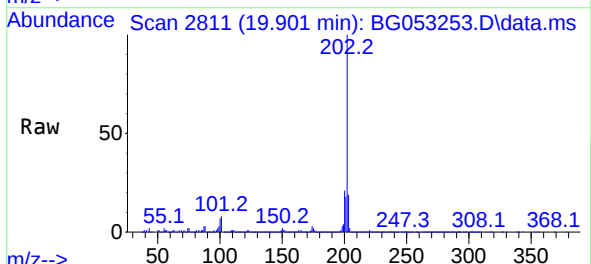
Manual Integrations
APPROVED

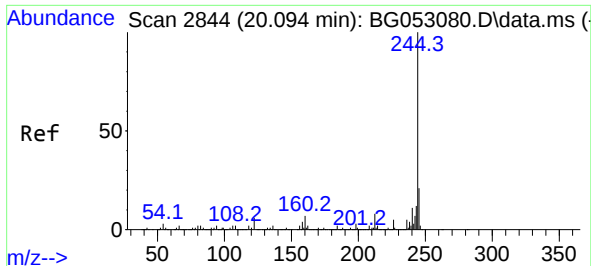
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#78
Pyrene
Concen: 55.624 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:202 Resp: 702092
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.5 15.0 22.6





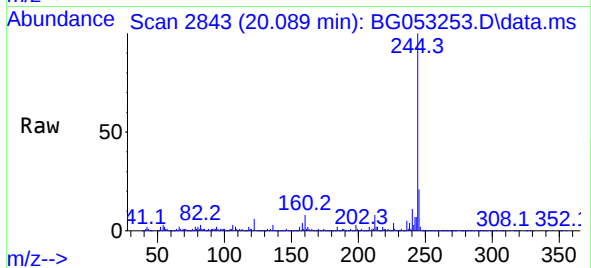
#79
 Terphenyl-d14
 Concen: 63.049 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

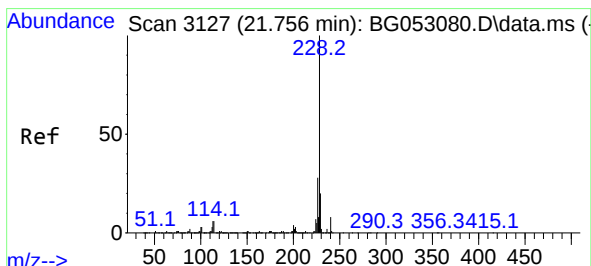
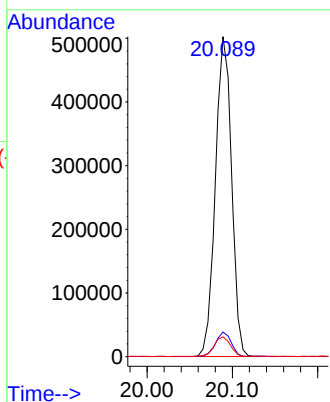
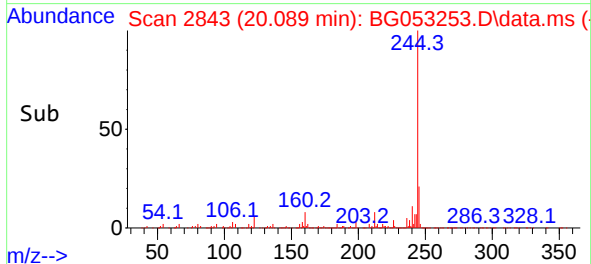


Tgt Ion:244 Resp: 66161
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.2 5.8 8.6

Manual Integrations

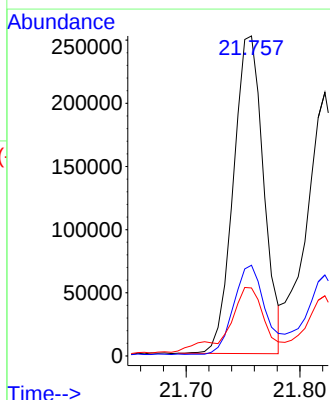
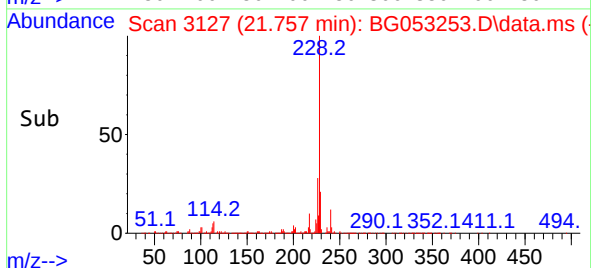
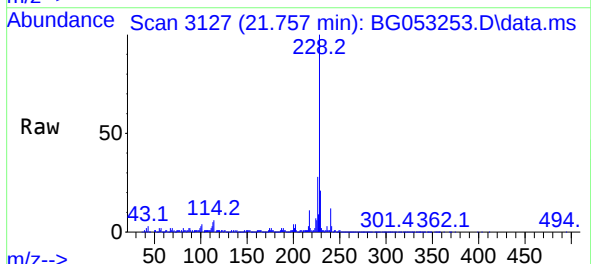
APPROVED

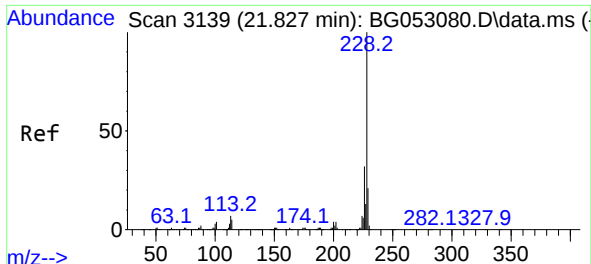
Reviewed By :Christian Giraldo 04/22/2022
 Supervised By :Jagrut Upadhyay 04/22/2022



#81
 Benzo(a)anthracene
 Concen: 38.355 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. 0.001 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

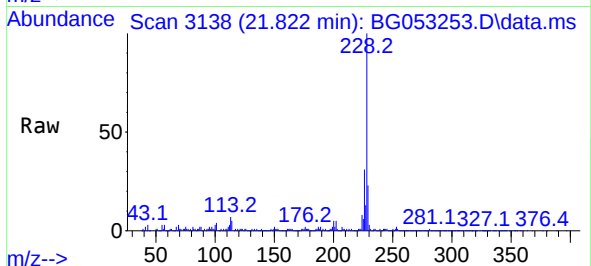
Tgt Ion:228 Resp: 464767
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.4 32.0
 229 21.3 16.7 25.1





#83
Chrysene
Concen: 36.094 ng m
RT: 21.822 min Scan# 3139
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

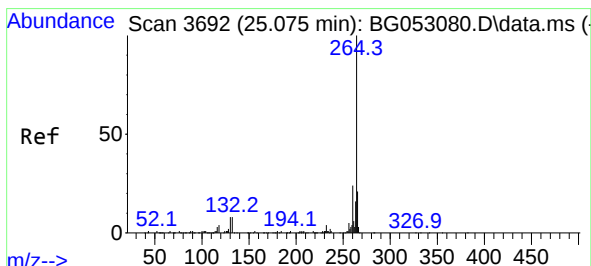
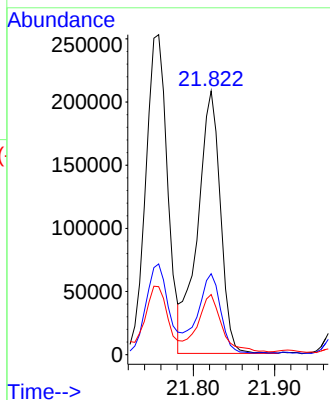
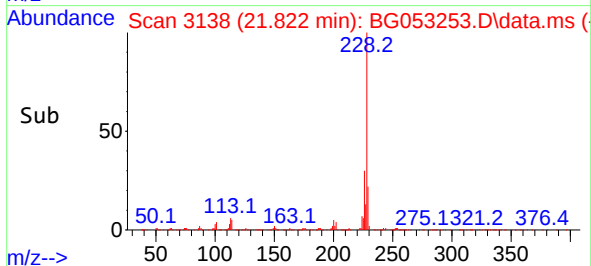
Instrument :
BNA_G
ClientSampleId :
PL-01-042022



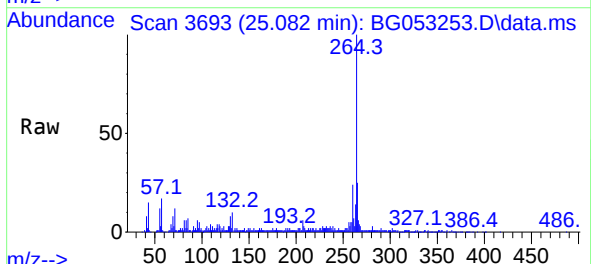
Tgt Ion:228 Resp: 405910
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 22.8 16.3 24.5

Manual Integrations
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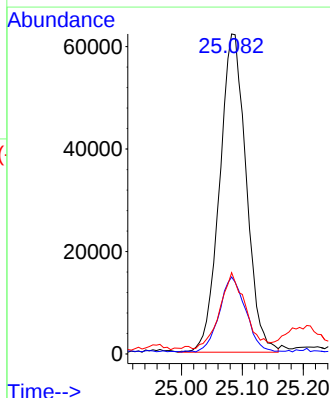
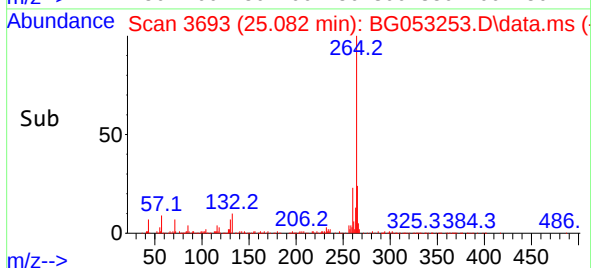
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

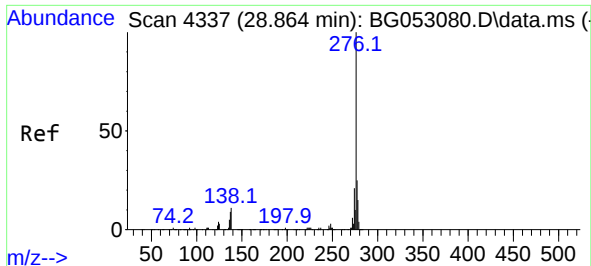


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 3693
Delta R.T. 0.007 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42



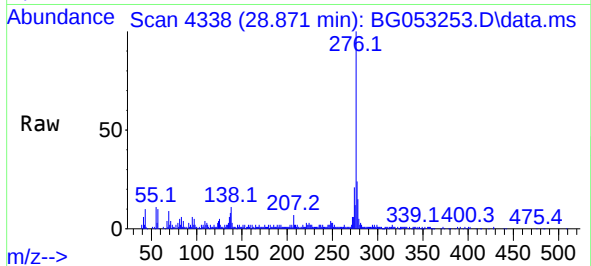
Tgt Ion:264 Resp: 188287
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.2
265 25.4 15.1 22.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.590 ng
RT: 28.871 min Scan# 4337
Delta R.T. 0.007 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

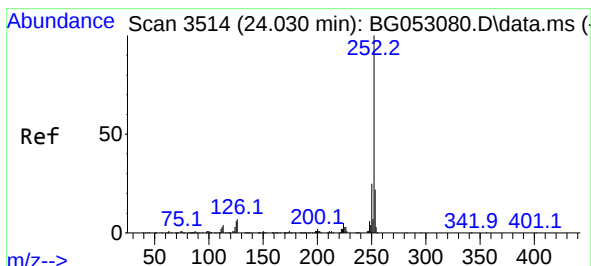
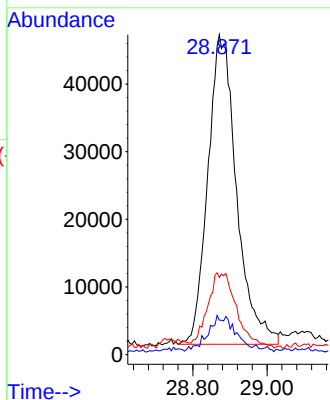
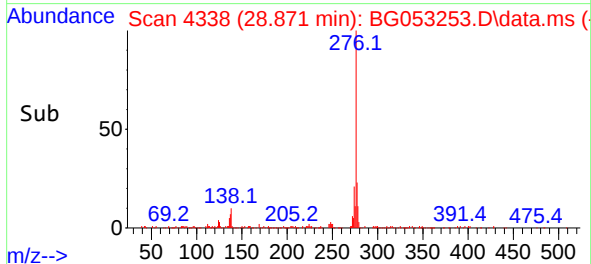
Instrument :
BNA_G
ClientSampleId :
PL-01-042022



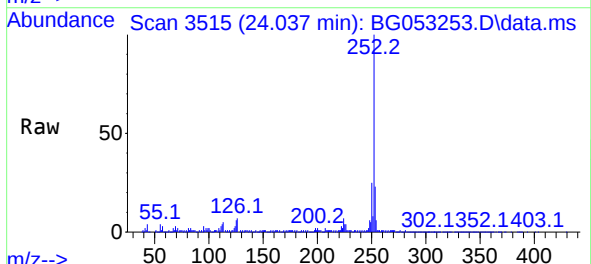
Tgt Ion:276 Resp: 24606
Ion Ratio Lower Upper
276 100
138 6.2 8.7 13.1
277 9.5 20.2 30.4

Manual Integrations
APPROVED

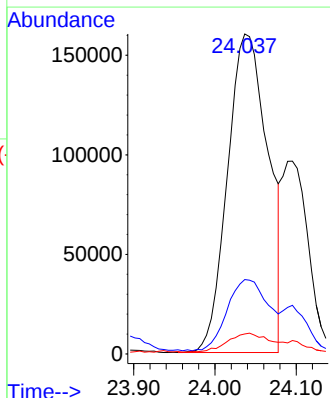
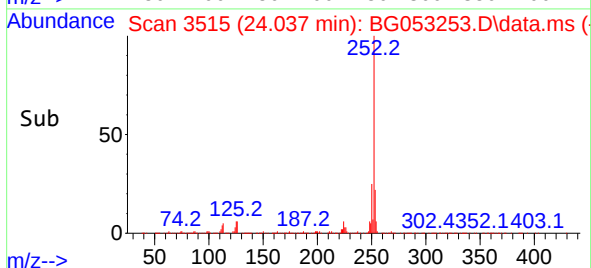
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

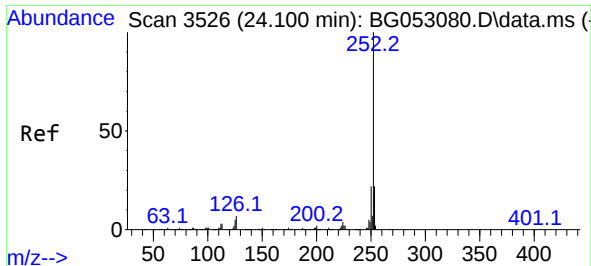


#88
Benzo(b)fluoranthene
Concen: 46.838 ng
RT: 24.037 min Scan# 3515
Delta R.T. 0.007 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42



Tgt Ion:252 Resp: 556422
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 6.3 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 18.319 ng m
RT: 24.095 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

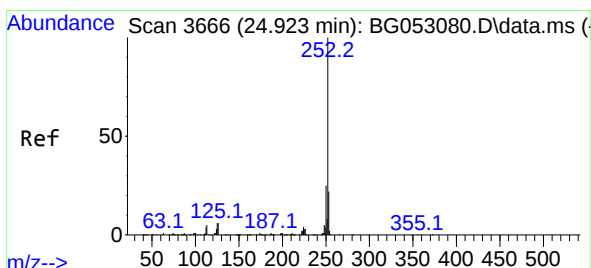
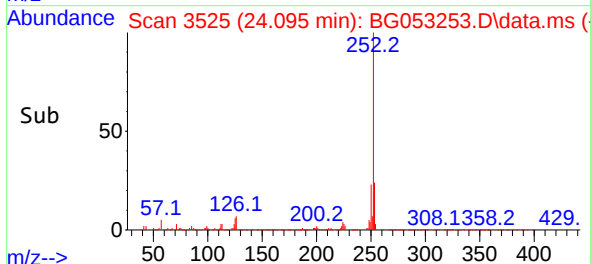
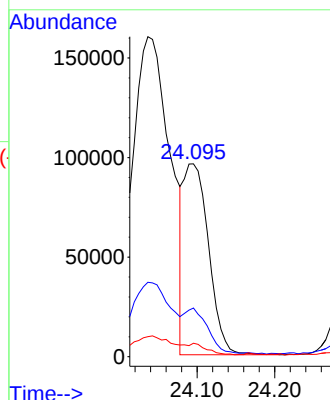
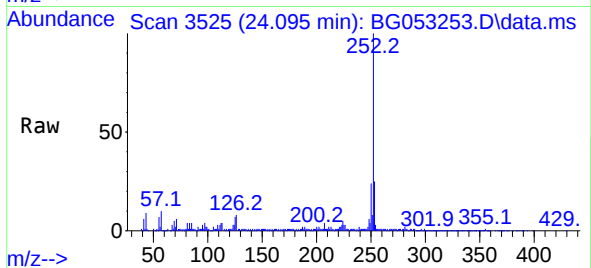
PL-01-042022

Tgt Ion:252 Resp: 21388
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 7.0 5.0 7.4

Manual Integrations

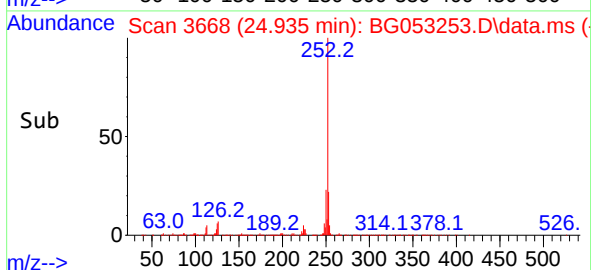
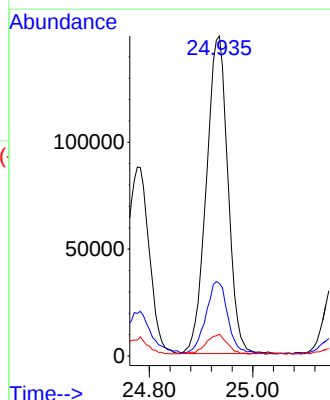
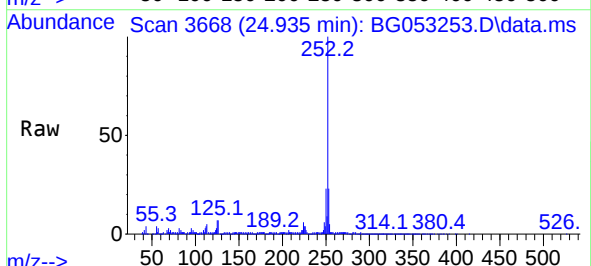
APPROVED

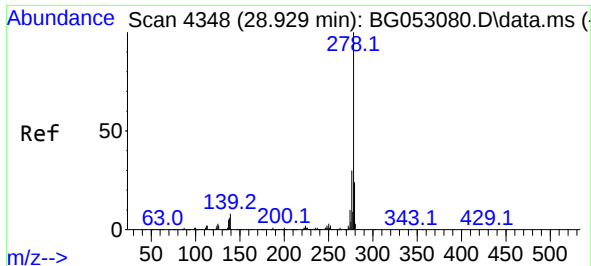
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#90
Benzo(a)pyrene
Concen: 42.427 ng
RT: 24.935 min Scan# 3668
Delta R.T. 0.013 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:252 Resp: 429381
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 6.8 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 5.481 ng m
RT: 28.918 min Scan# 41
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

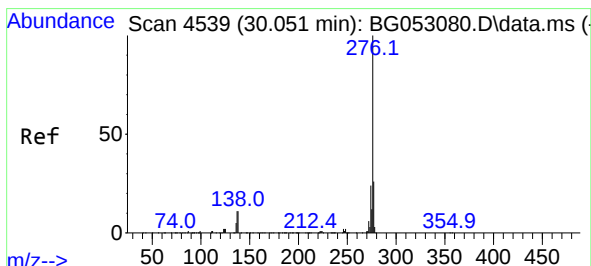
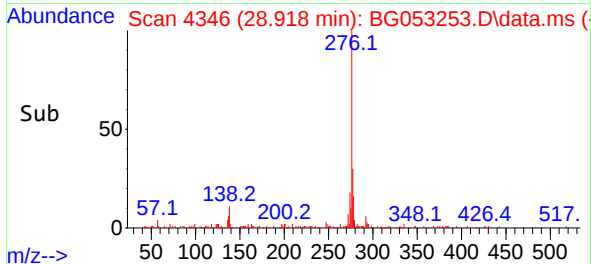
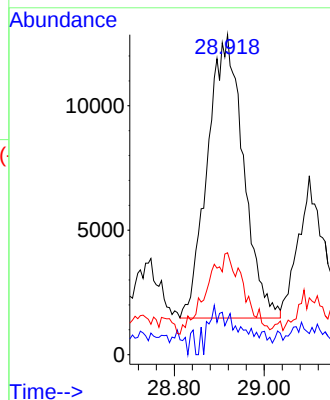
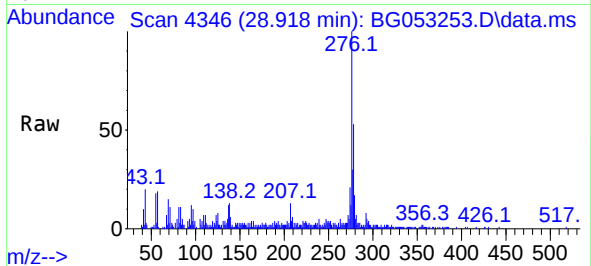
PL-01-042022

Tgt Ion:278 Resp: 6310
Ion Ratio Lower Upper
278 100
139 11.0 7.8 11.6
279 31.8 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#92
Benzo(g,h,i)perylene
Concen: 19.162 ng
RT: 30.064 min Scan# 4541
Delta R.T. 0.013 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:276 Resp: 217448
Ion Ratio Lower Upper
276 100
277 27.0 18.2 27.2
138 10.3 9.1 13.7

