

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053047.D
 Acq On : 6 Apr 2022 1:02
 Operator : CG/JU
 Sample : N2257-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Apr 06 04:16:20 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

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

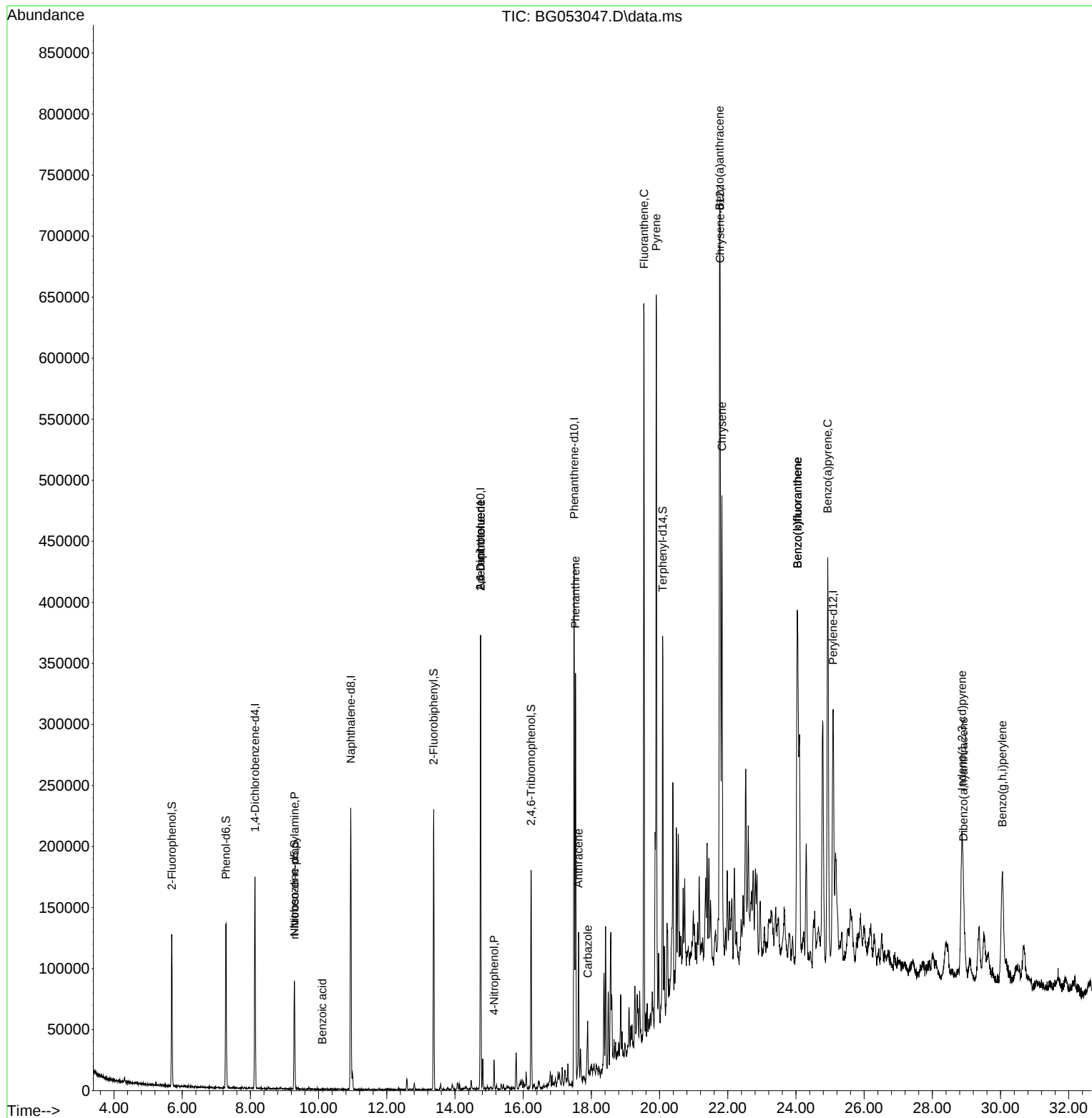
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.135	152	48284	20.000	ng	-0.01
21) Naphthalene-d8	10.943	136	191447	20.000	ng	#-0.02
39) Acenaphthene-d10	14.749	164	131713	20.000	ng	-0.02
64) Phenanthrene-d10	17.493	188	268957	20.000	ng	#-0.01
76) Chrysene-d12	21.775	240	229263	20.000	ng	-0.02
86) Perylene-d12	25.088	264	242059	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	53026	19.125	ng	0.00
7) Phenol-d6	7.283	99	76098	18.206	ng	0.00
23) Nitrobenzene-d5	9.286	82	58928	15.449	ng	-0.02
42) 2,4,6-Tribromophenol	16.230	330	32274	18.235	ng	-0.02
45) 2-Fluorobiphenyl	13.375	172	119062	13.332	ng	-0.02
79) Terphenyl-d14	20.089	244	149518	11.601	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.277	77	201	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.292	70	7877	2.661	ng	# 69
32) Benzoic acid	10.103	122	54	5.697	ng	# 1
51) 2,6-Dinitrotoluene	14.749	165	16780	10.153	ng	# 27
56) 4-Nitrophenol	15.143	139	4992	3.164	ng	# 6
57) 2,4-Dinitrotoluene	14.749	165	16780	7.317	ng	# 26
71) Phenanthrene	17.534	178	213394	14.831	ng	98
72) Anthracene	17.622	178	83842	5.894	ng	98
73) Carbazole	17.892	167	30926	2.195	ng	95
75) Fluoranthene	19.543	202	393970	21.570	ng	99
78) Pyrene	19.901	202	420715	26.455	ng	99
81) Benzo(a)anthracene	21.758	228	341843	22.267	ng	97
83) Chrysene	21.828	228	289827	20.082	ng	97
87) Indeno(1,2,3-cd)pyrene	28.872	276	248017	14.969	ng	# 56
88) Benzo(b)fluoranthene	24.043	252	444360	29.566	ng	99
89) Benzo(k)fluoranthene	24.043	252	444360	30.050	ng	100
90) Benzo(a)pyrene	24.930	252	406572	31.958	ng	98
91) Dibenzo(a,h)anthracene	28.913	278	70148	5.138	ng	# 85
92) Benzo(g,h,i)perylene	30.052	276	223836	16.571	ng	99

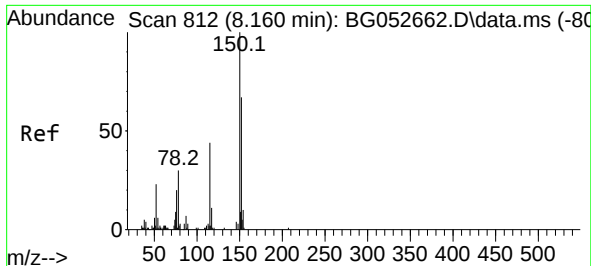
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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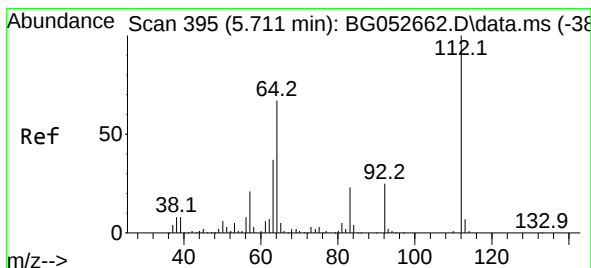
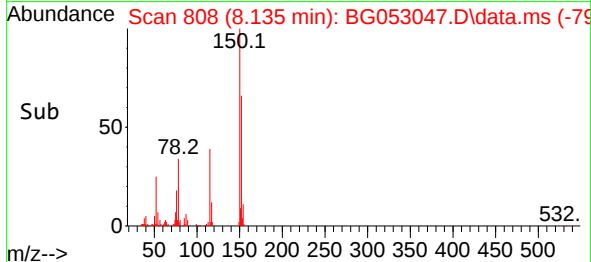
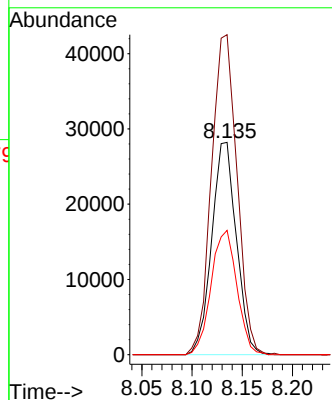
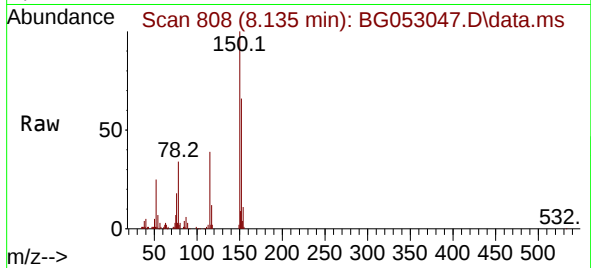




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 80
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

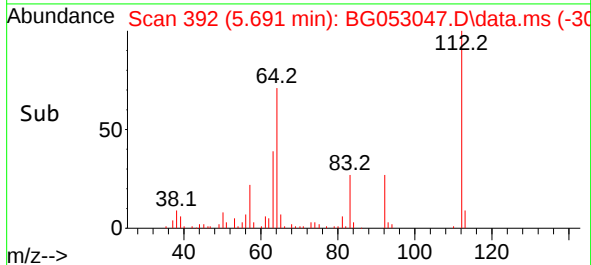
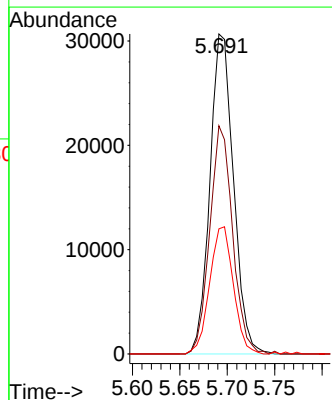
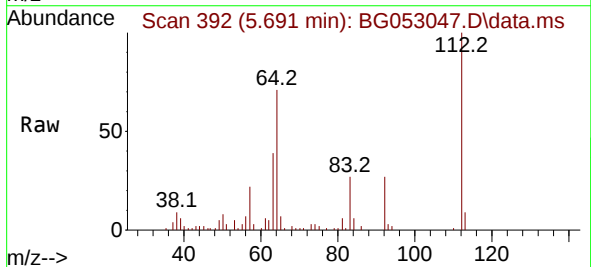
Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 48284
Ion Ratio Lower Upper
152 100
150 150.8 114.6 172.0
115 58.6 45.9 68.9



#5
2-Fluorophenol
Concen: 19.125 ng
RT: 5.691 min Scan# 392
Delta R.T. -0.005 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:112 Resp: 53026
Ion Ratio Lower Upper
112 100
64 71.3 48.0 72.0
63 39.1 26.5 39.7

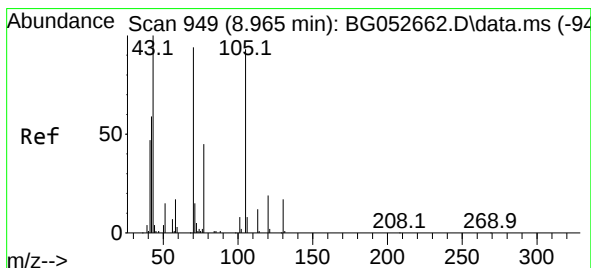
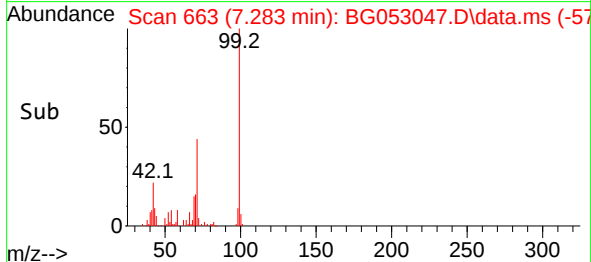
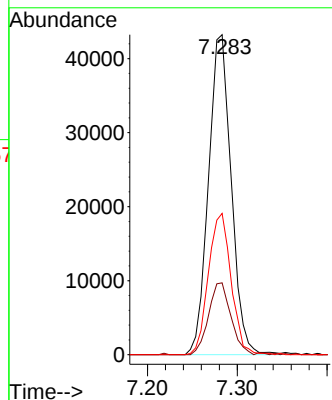
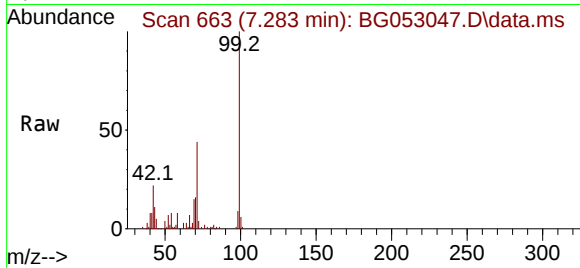




#7
Phenol-d6
Concen: 18.206 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

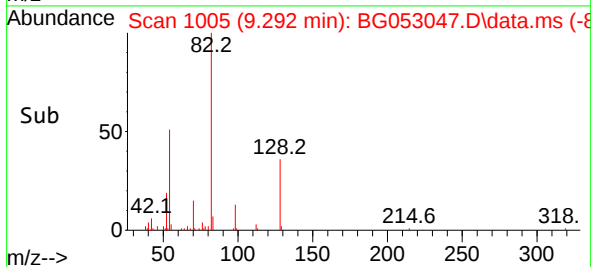
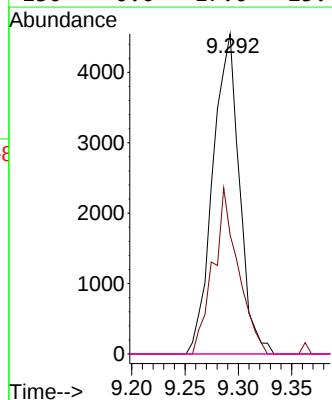
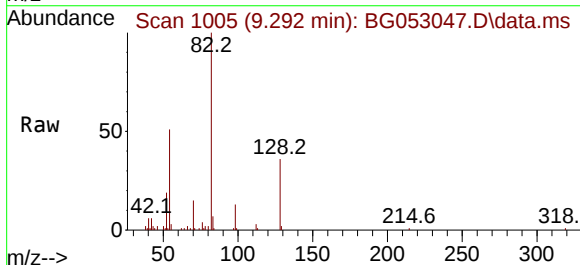
Instrument :
BNA_G
ClientSampleId :
TP-5

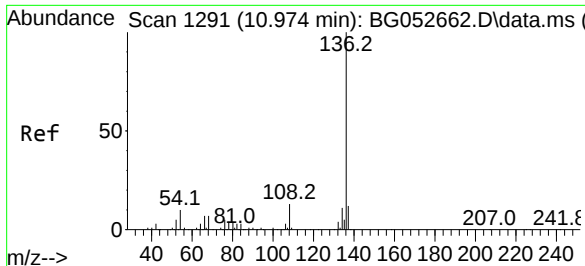
Tgt Ion: 99 Resp: 76098
Ion Ratio Lower Upper
99 100
42 22.5 14.7 22.1#
71 44.2 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 2.661 ng
RT: 9.292 min Scan# 1005
Delta R.T. 0.347 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion: 70 Resp: 7877
Ion Ratio Lower Upper
70 100
42 37.2 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

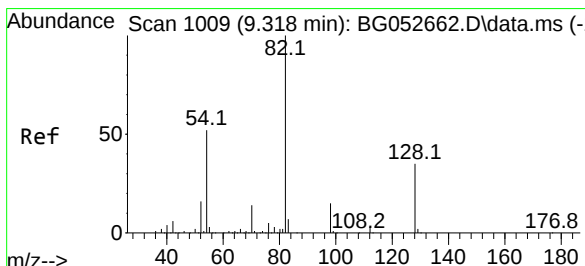
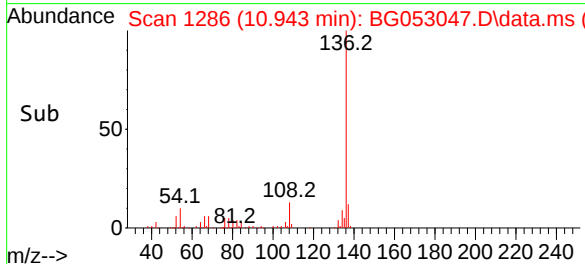
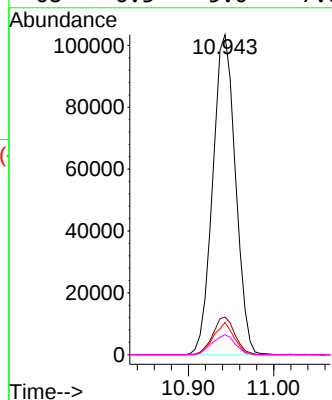
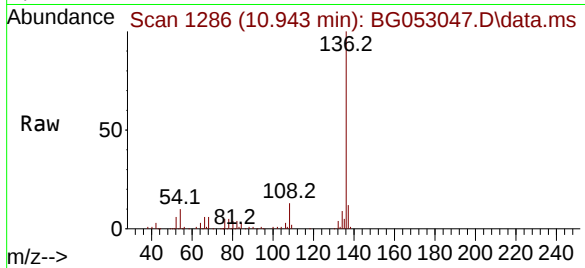




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1004
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

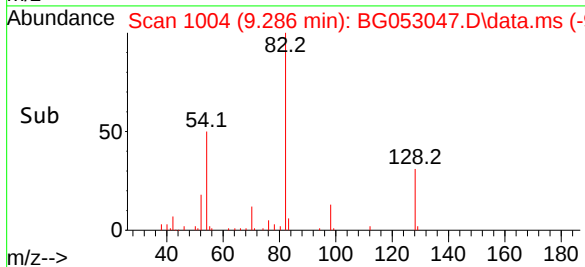
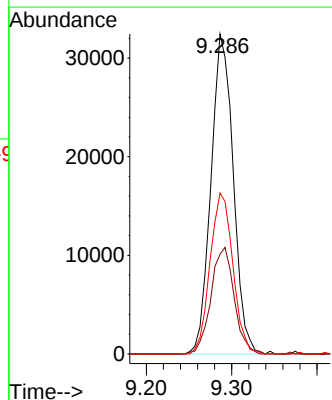
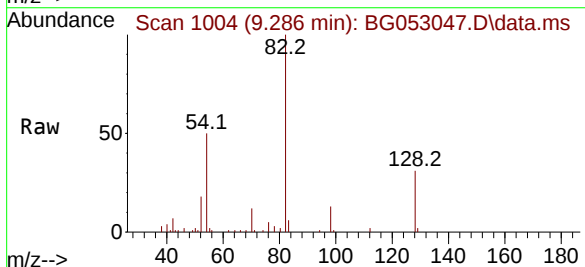
Instrument :
BNA_G
ClientSampleId :
TP-5

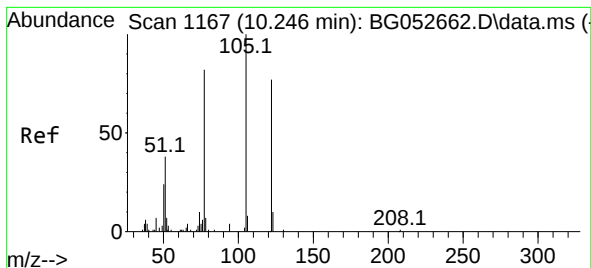
Tgt Ion:	136	Resp:	191447
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.4	14.2
54	10.1	6.4	9.6#
68	6.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 15.449 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

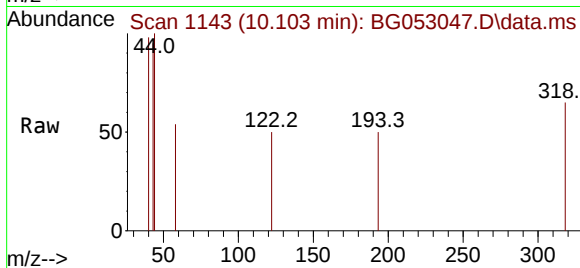
Tgt Ion:	82	Resp:	58928
Ion Ratio	Lower	Upper	
82	100		
128	31.1	31.3	46.9#
54	50.3	37.8	56.8



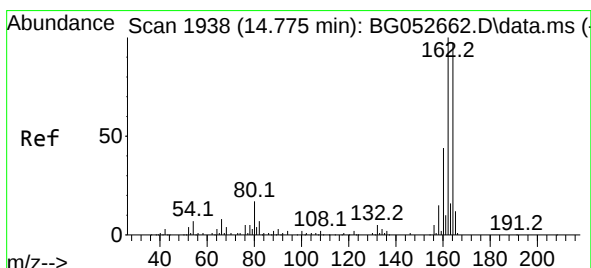
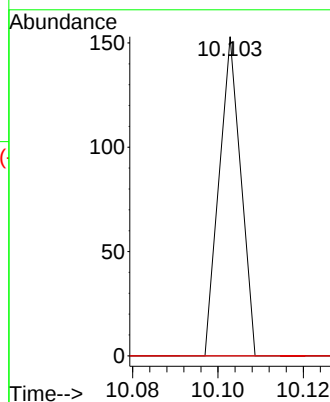
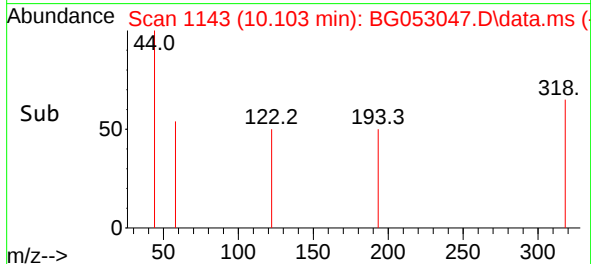


#32
Benzoic acid
Concen: 5.697 ng
RT: 10.103 min Scan# 1167
Delta R.T. -0.135 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

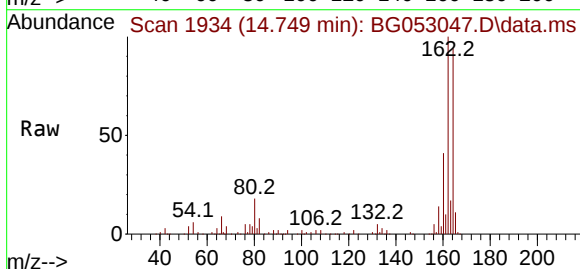
Instrument :
BNA_G
ClientSampleId :
TP-5



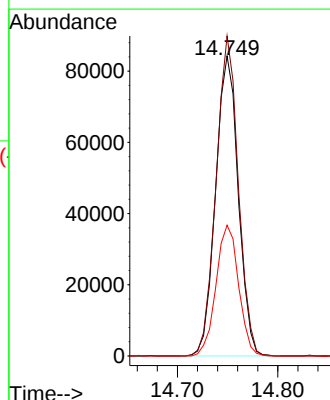
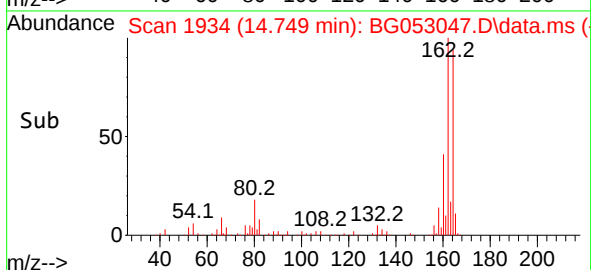
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#

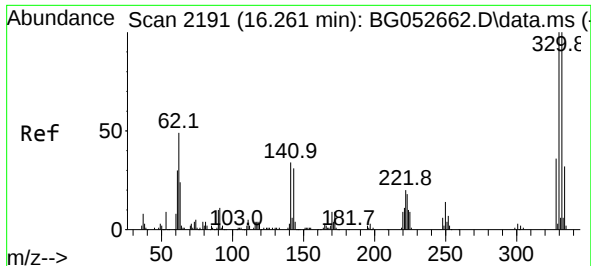


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02



Tgt Ion:164 Resp: 131713
Ion Ratio Lower Upper
164 100
162 106.6 80.0 120.0
160 43.5 38.8 58.2

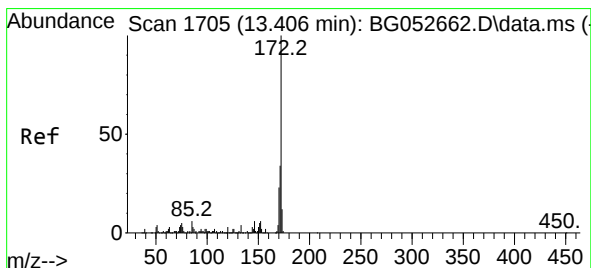
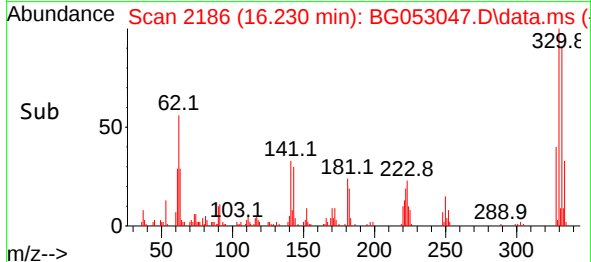
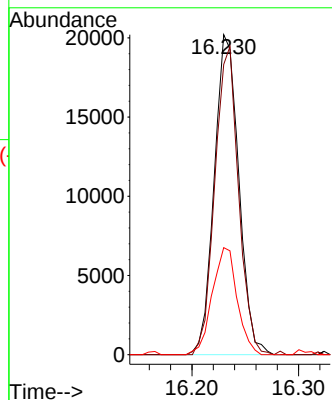
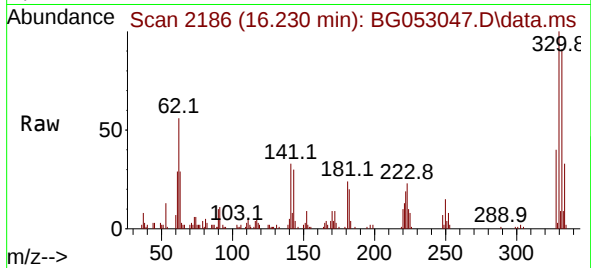




#42
2,4,6-Tribromophenol
Concen: 18.235 ng
RT: 16.230 min Scan# 2191
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

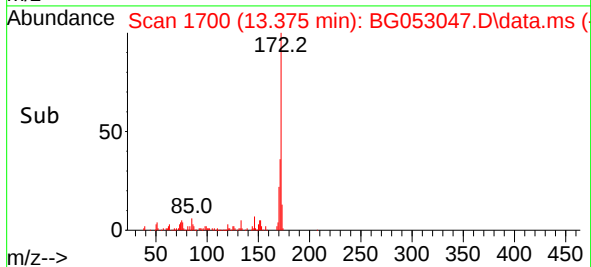
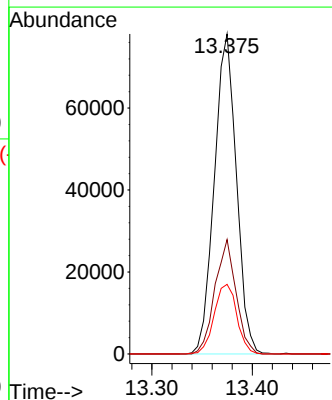
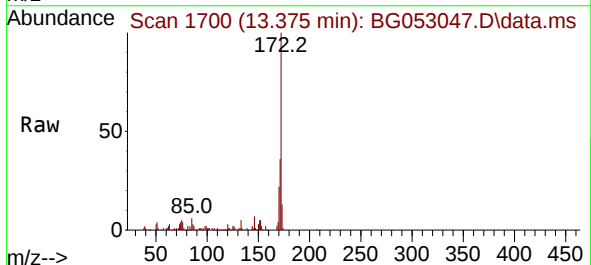
Instrument :
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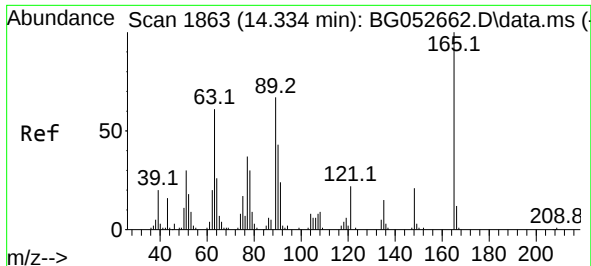
Tgt Ion:330 Resp: 32274
Ion Ratio Lower Upper
330 100
332 92.7 75.8 113.6
141 34.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 13.332 ng
RT: 13.375 min Scan# 1700
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:172 Resp: 119062
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 21.8 18.0 27.0

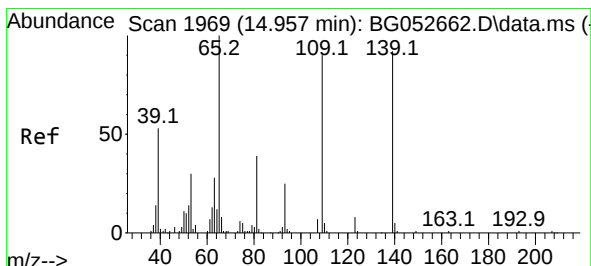
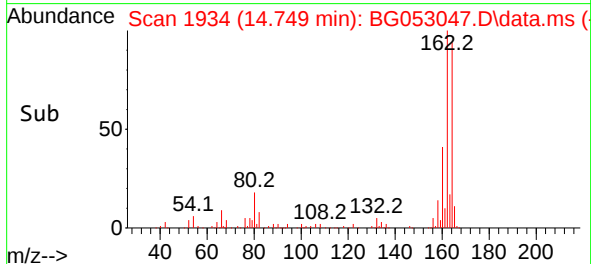
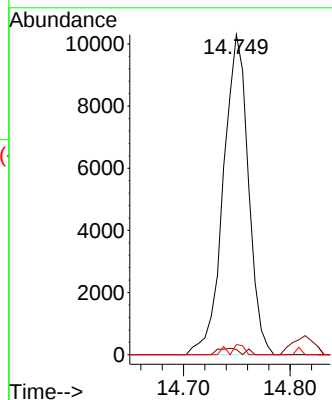
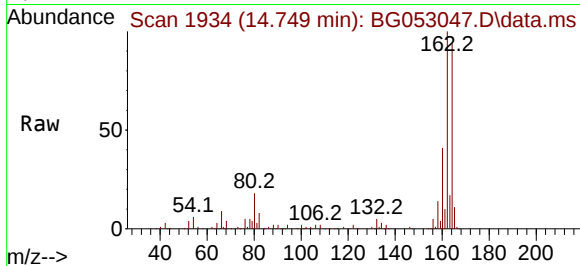




#51
2,6-Dinitrotoluene
Concen: 10.153 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

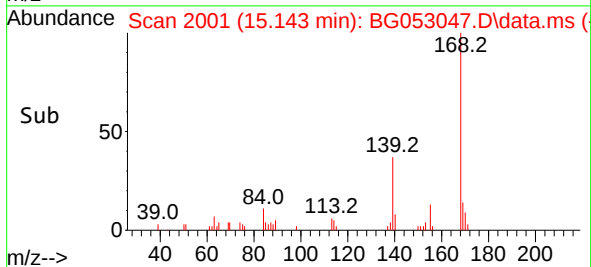
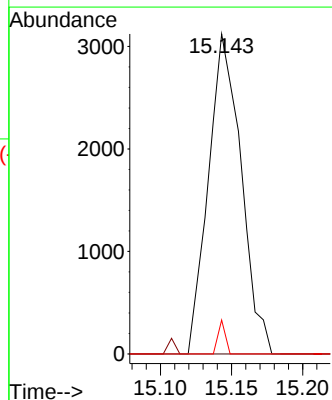
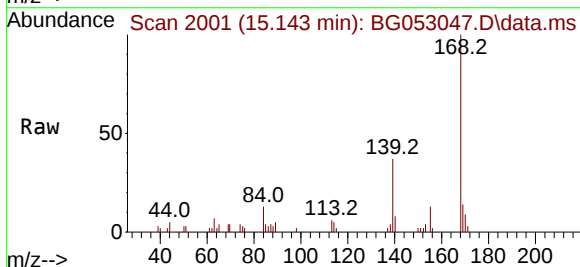
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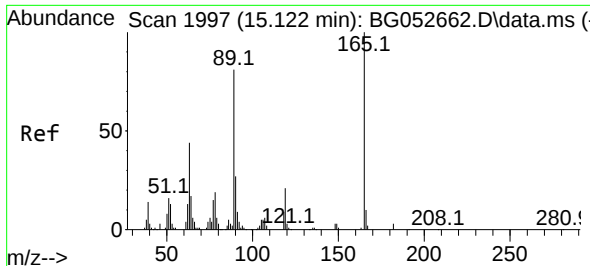
Tgt Ion:165 Resp: 16780
Ion Ratio Lower Upper
165 100
63 1.6 43.7 65.5#
89 3.1 45.0 67.4#



#56
4-Nitrophenol
Concen: 3.164 ng
RT: 15.143 min Scan# 2001
Delta R.T. 0.194 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

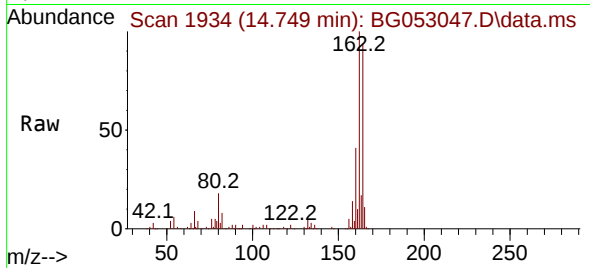
Tgt Ion:139 Resp: 4992
Ion Ratio Lower Upper
139 100
109 0.0 67.1 107.1#
65 10.6 88.2 128.2#



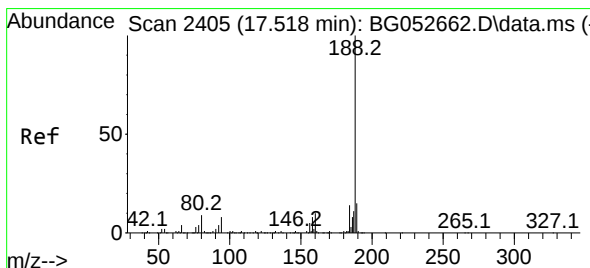
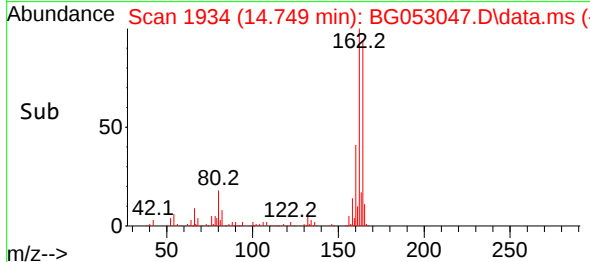
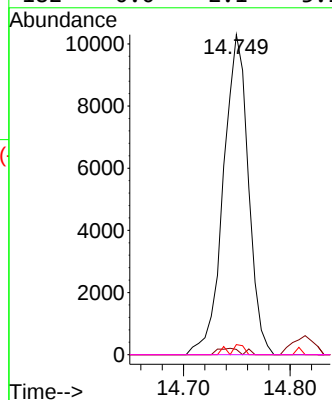


#57
2,4-Dinitrotoluene
Concen: 7.317 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.364 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Instrument :
BNA_G
ClientSampleId :
TP-5

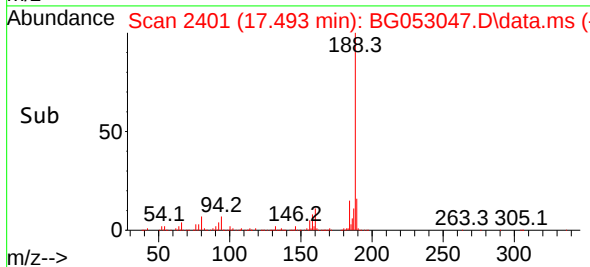
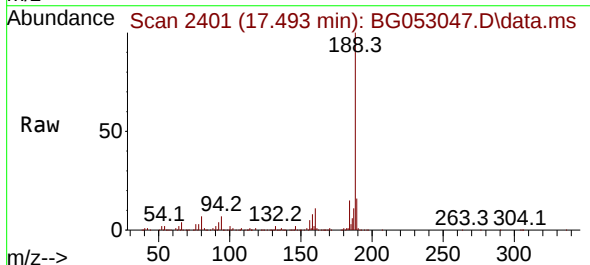
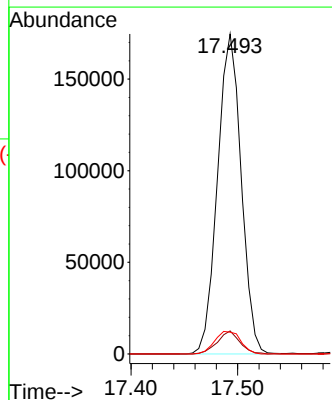


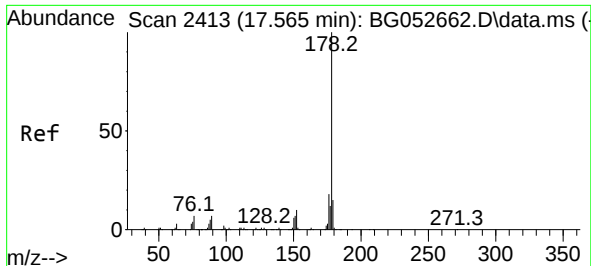
Tgt Ion:165 Resp: 16780
Ion Ratio Lower Upper
165 100
63 1.6 34.8 52.2#
89 3.1 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2401
Delta R.T. -0.011 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:188 Resp: 268957
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 6.8 7.2 10.8#

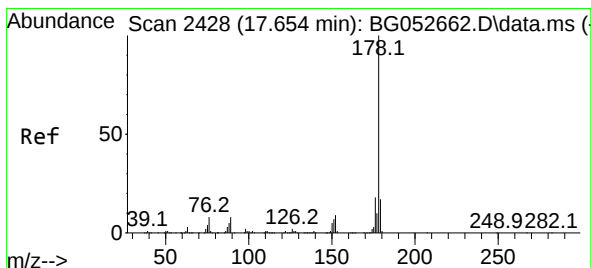
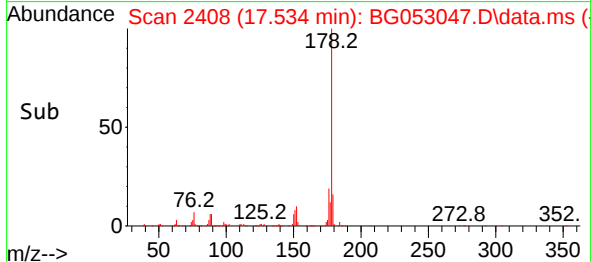
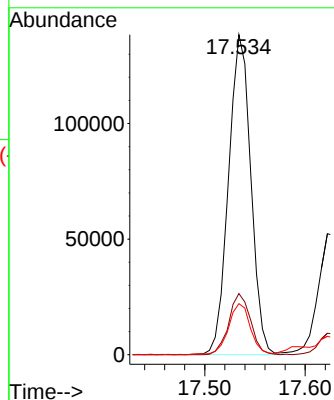
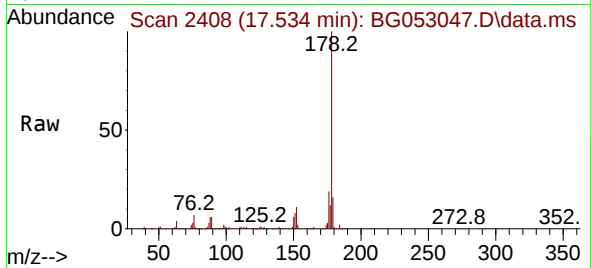




#71
Phenanthrene
Concen: 14.831 ng
RT: 17.534 min Scan# 2413
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

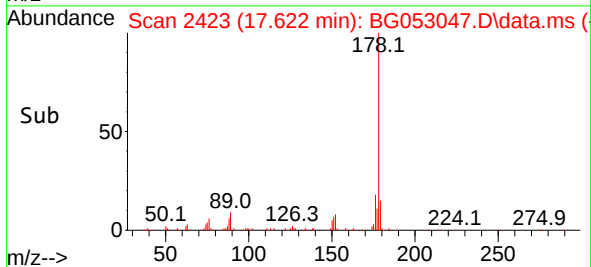
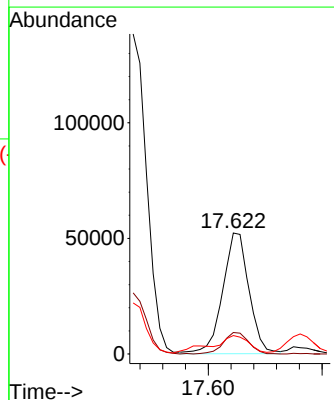
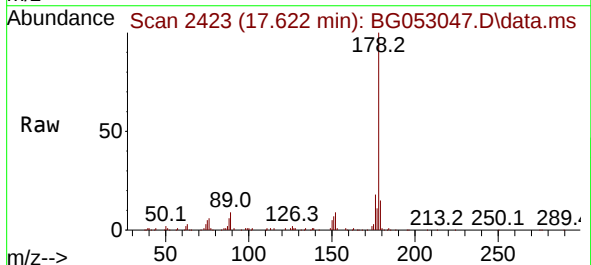
Instrument :
BNA_G
ClientSampleId :
TP-5

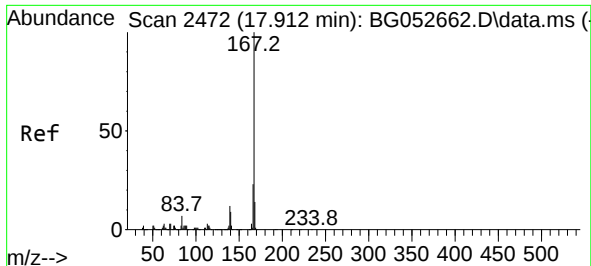
Tgt Ion:178 Resp: 213394
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.9 13.4 20.2



#72
Anthracene
Concen: 5.894 ng
RT: 17.622 min Scan# 2423
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:178 Resp: 83842
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 15.2 13.2 19.8

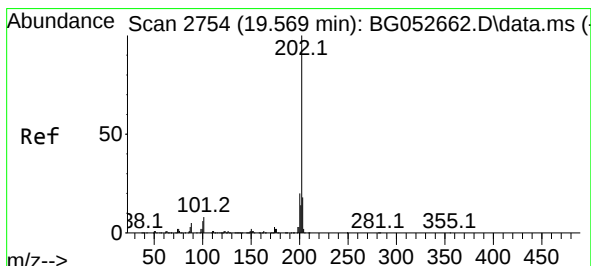
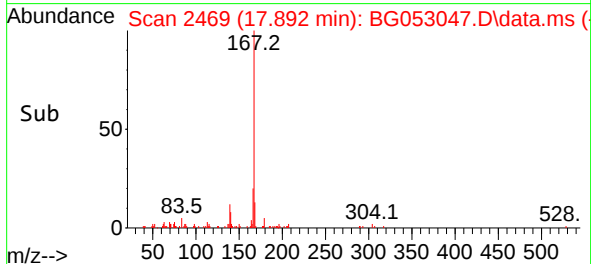
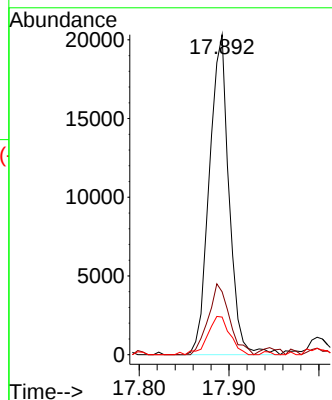
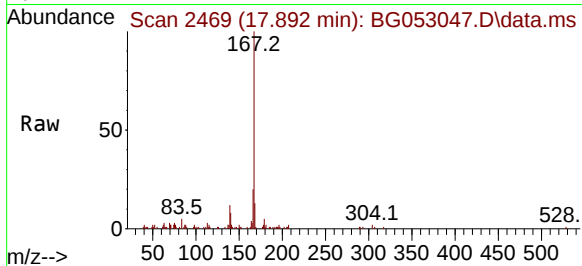




#73
 Carbazole
 Concen: 2.195 ng
 RT: 17.892 min Scan# 2472
 Delta R.T. -0.011 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

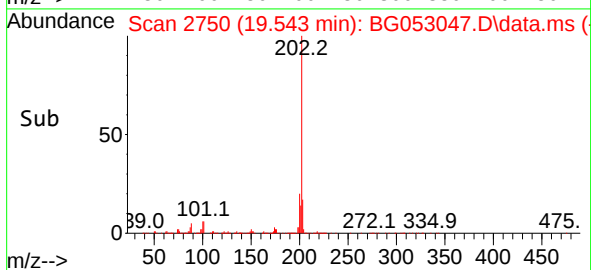
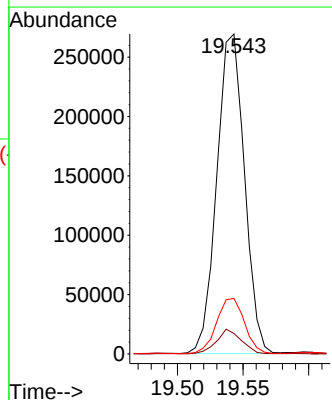
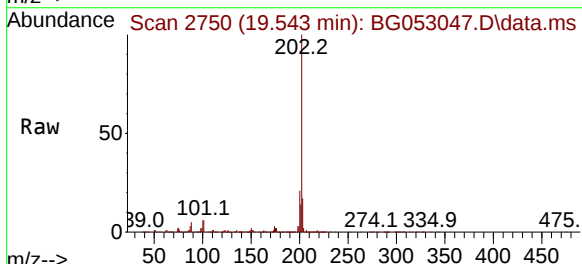
Instrument :
 BNA_G
 ClientSampleId :
 TP-5

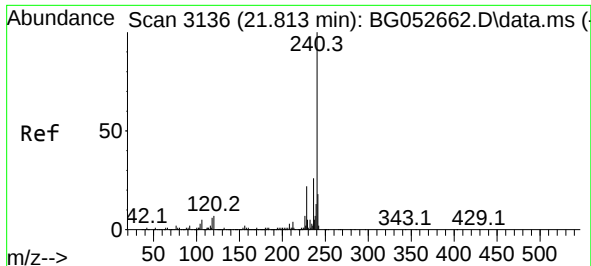
Tgt Ion:167 Resp: 30926
 Ion Ratio Lower Upper
 167 100
 166 19.7 18.5 27.7
 139 11.7 10.0 15.0



#75
 Fluoranthene
 Concen: 21.570 ng
 RT: 19.543 min Scan# 2750
 Delta R.T. -0.011 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Tgt Ion:202 Resp: 393970
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 27.3
 203 17.4 0.0 37.7

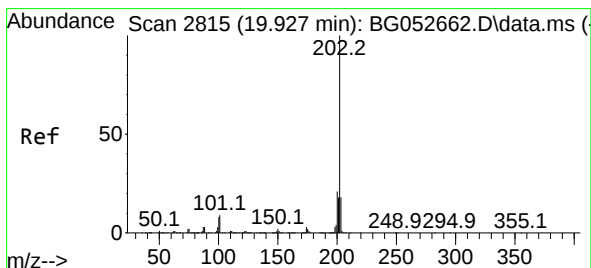
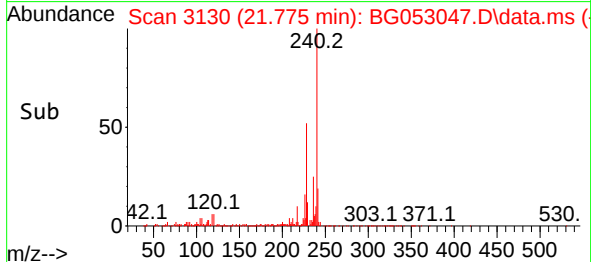
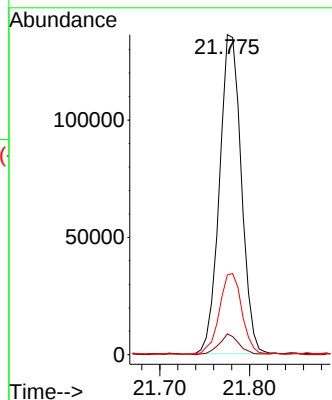
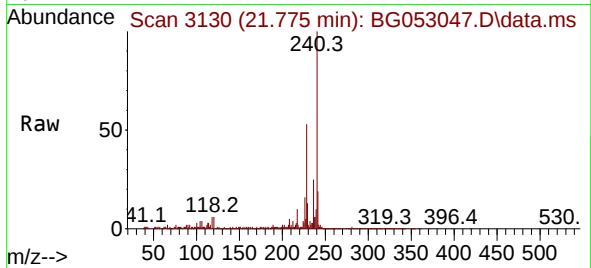




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

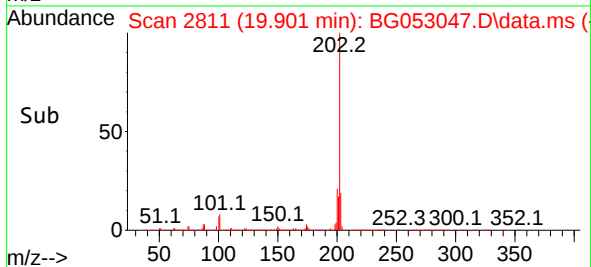
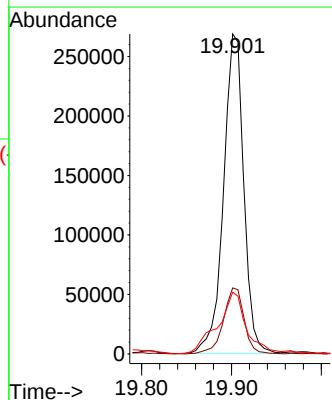
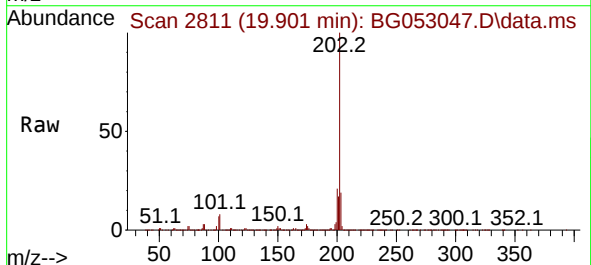
Instrument :
BNA_G
ClientSampleId :
TP-5

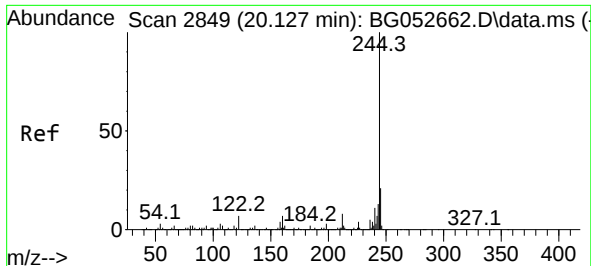
Tgt Ion:240 Resp: 229263
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 24.9 19.8 29.6



#78
Pyrene
Concen: 26.455 ng
RT: 19.901 min Scan# 2811
Delta R.T. -0.017 min
Lab File: BG053047.D
Acq: 6 Apr 2022 1:02

Tgt Ion:202 Resp: 420715
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 19.3 15.0 22.6

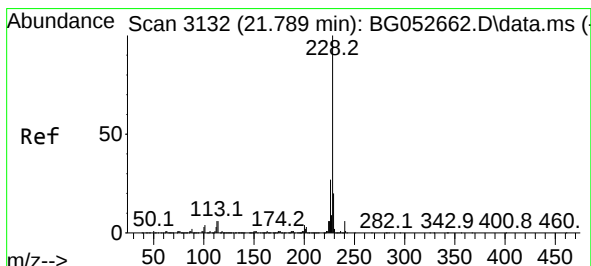
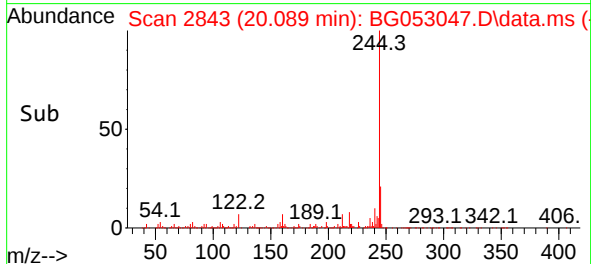
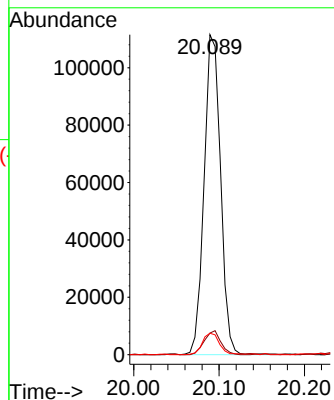
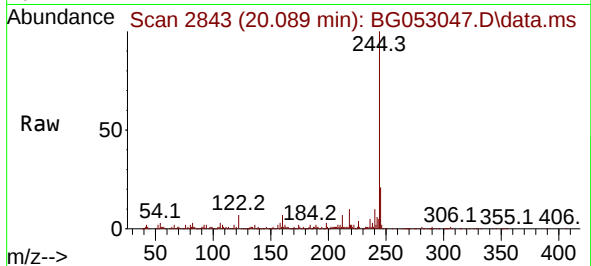




#79
 Terphenyl-d14
 Concen: 11.601 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

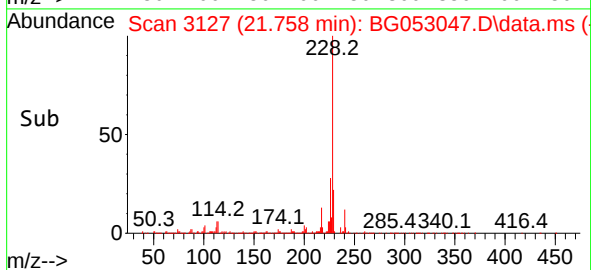
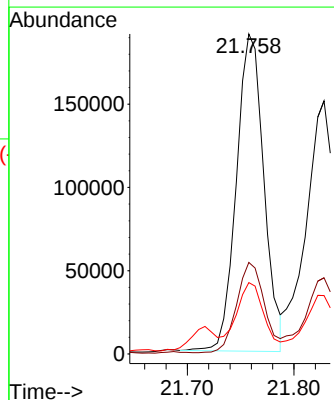
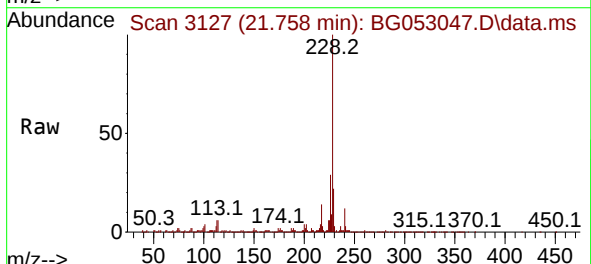
Instrument :
 BNA_G
 ClientSampleId :
 TP-5

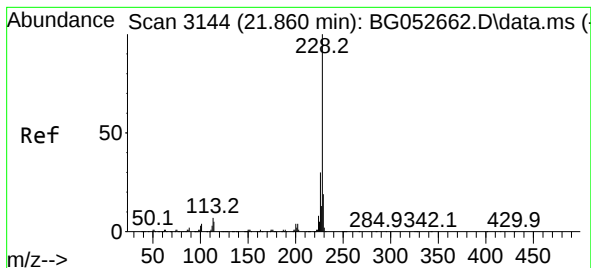
Tgt Ion:244 Resp: 149518
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 6.7 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 22.267 ng
 RT: 21.758 min Scan# 3127
 Delta R.T. -0.017 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Tgt Ion:228 Resp: 341843
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.4 32.0
 229 22.3 16.7 25.1





#83

Chrysene

Concen: 20.082 ng

RT: 21.828 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

Instrument :

BNA_G

ClientSampleId :

TP-5

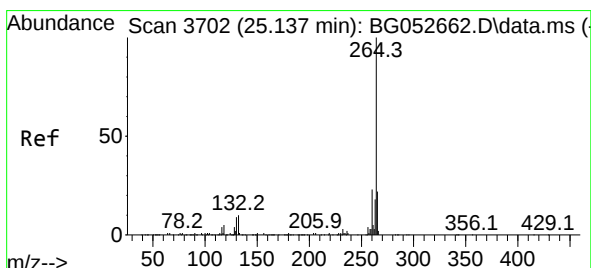
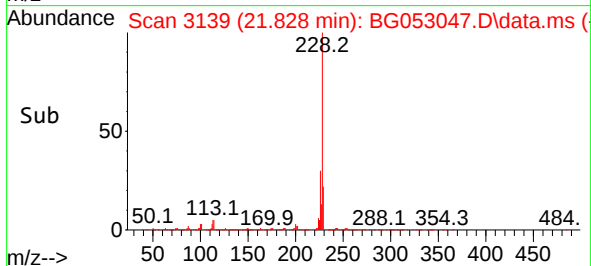
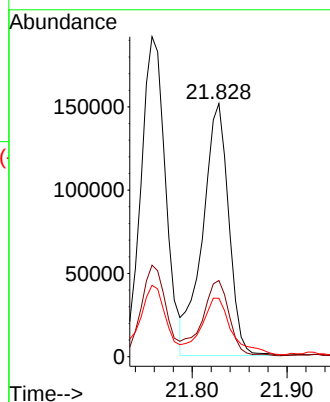
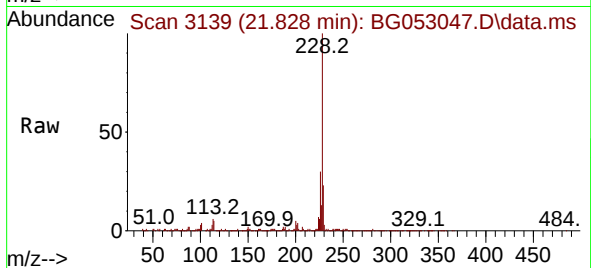
Tgt Ion:228 Resp: 289827

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 23.1 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.088 min Scan# 3694

Delta R.T. -0.023 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

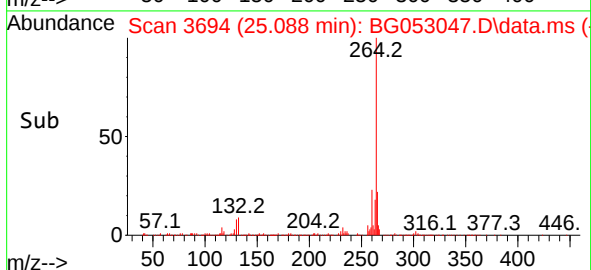
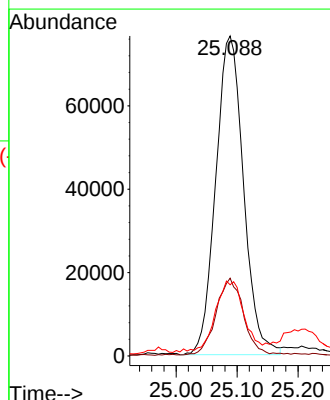
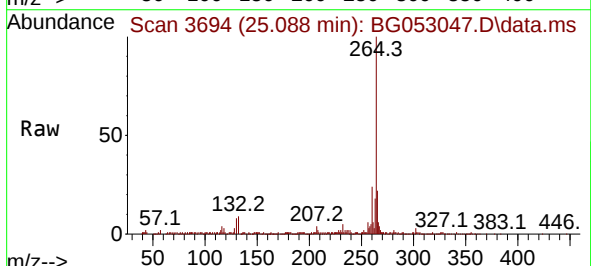
Tgt Ion:264 Resp: 242059

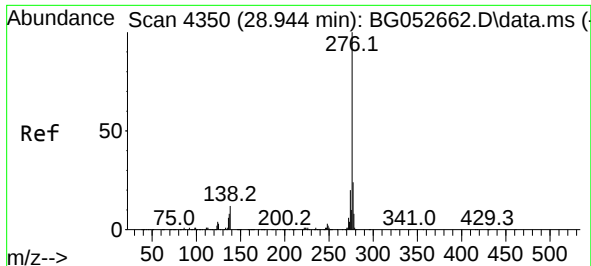
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 22.3 15.1 22.7

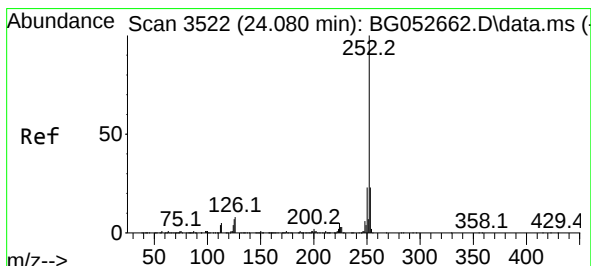
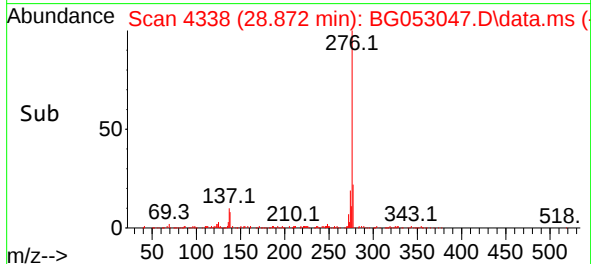
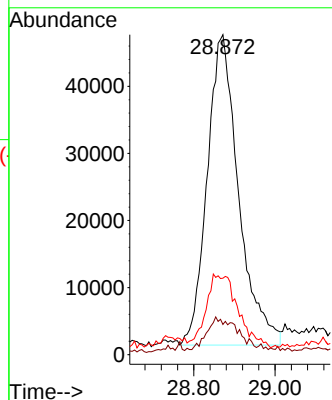
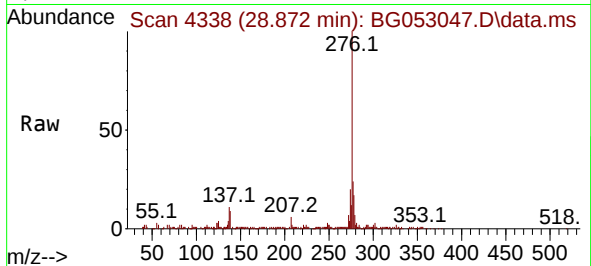




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.969 ng
 RT: 28.872 min Scan# 41
 Delta R.T. -0.029 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

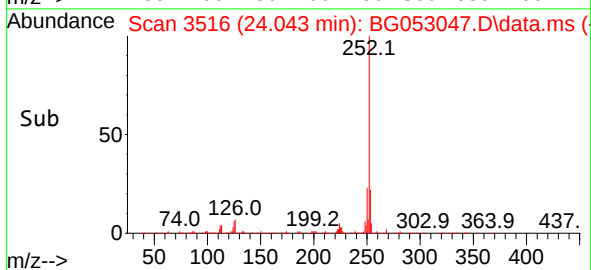
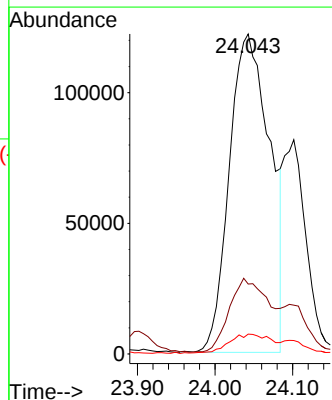
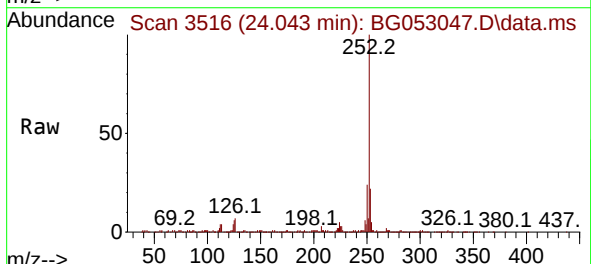
Instrument :
 BNA_G
 ClientSampleId :
 TP-5

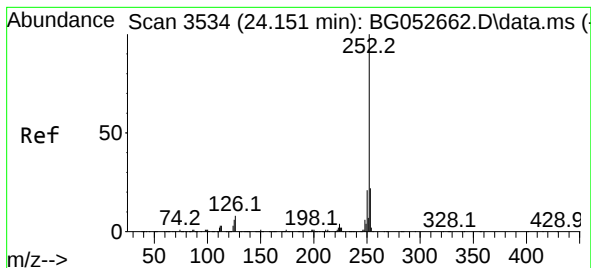
Tgt Ion:276 Resp: 248017
 Ion Ratio Lower Upper
 276 100
 138 0.0 8.7 13.1#
 277 0.0 20.2 30.4#



#88
 Benzo(b)fluoranthene
 Concen: 29.566 ng
 RT: 24.043 min Scan# 3516
 Delta R.T. -0.011 min
 Lab File: BG053047.D
 Acq: 6 Apr 2022 1:02

Tgt Ion:252 Resp: 444360
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.2 25.8
 125 6.2 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 30.050 ng

RT: 24.043 min Scan# 31

Delta R.T. -0.088 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

Instrument :

BNA_G

ClientSampleId :

TP-5

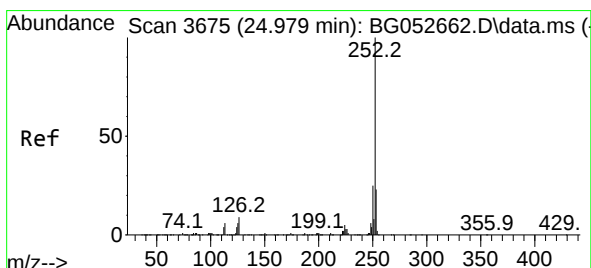
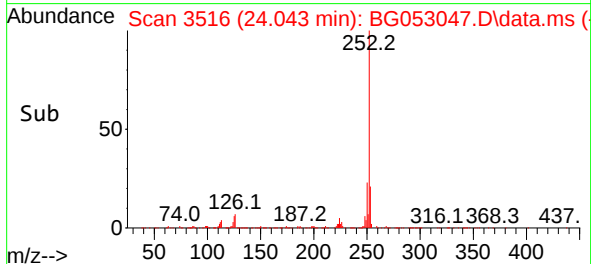
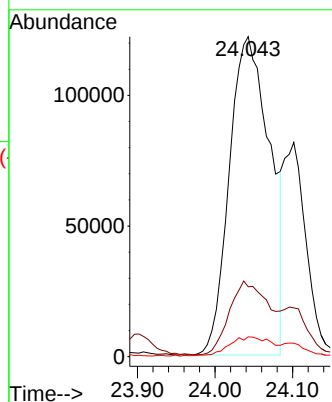
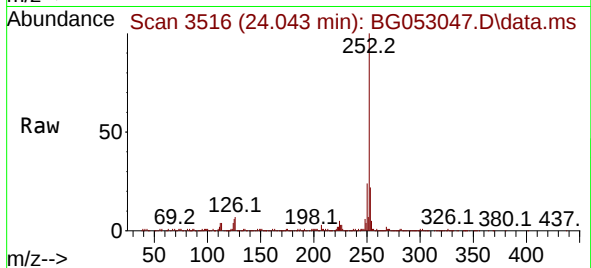
Tgt Ion:252 Resp: 444360

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 6.2 5.0 7.4



#90

Benzo(a)pyrene

Concen: 31.958 ng

RT: 24.930 min Scan# 3667

Delta R.T. -0.023 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

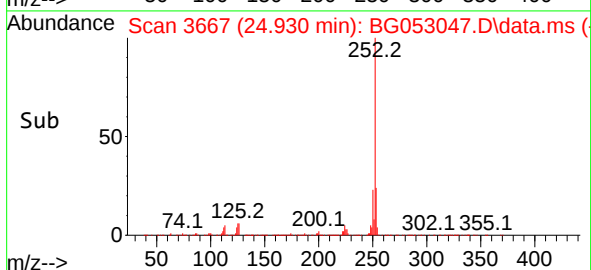
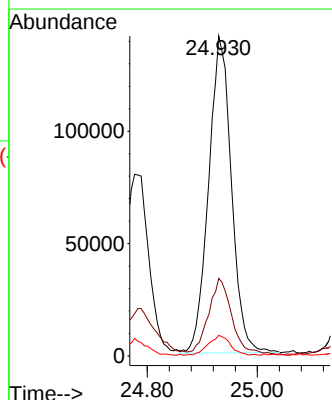
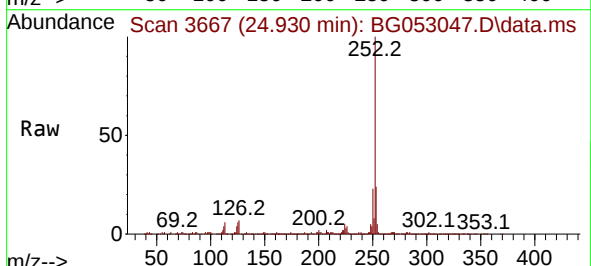
Tgt Ion:252 Resp: 406572

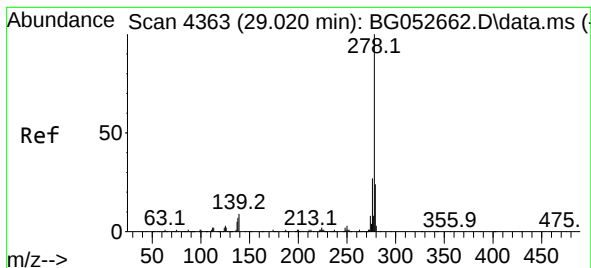
Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

125 6.5 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 5.138 ng

RT: 28.913 min Scan# 41

Delta R.T. -0.058 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

Instrument :

BNA_G

ClientSampleId :

TP-5

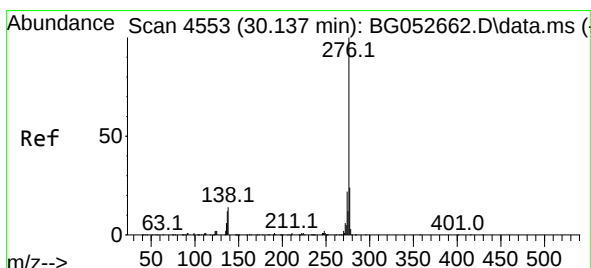
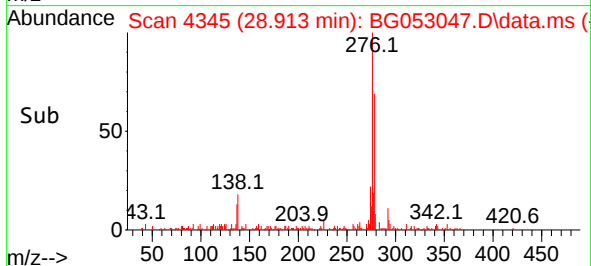
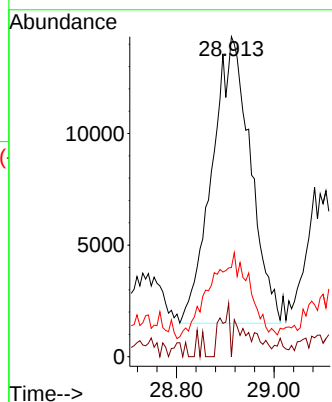
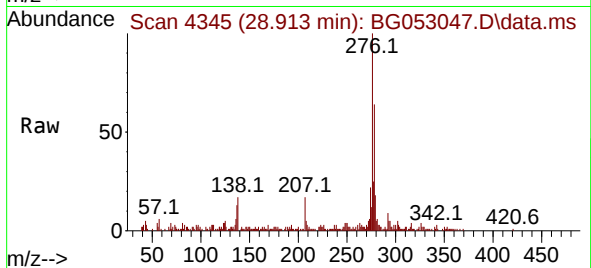
Tgt Ion:278 Resp: 70148

Ion Ratio Lower Upper

278 100

139 0.0 7.8 11.6#

279 27.8 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 16.571 ng

RT: 30.052 min Scan# 4539

Delta R.T. -0.041 min

Lab File: BG053047.D

Acq: 6 Apr 2022 1:02

Tgt Ion:276 Resp: 223836

Ion Ratio Lower Upper

276 100

277 23.5 18.2 27.2

138 11.7 9.1 13.7

