

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053690.D
 Acq On : 24 May 2022 20:04
 Operator : CG/JU
 Sample : N2982-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-7

Quant Time: May 25 02:37:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

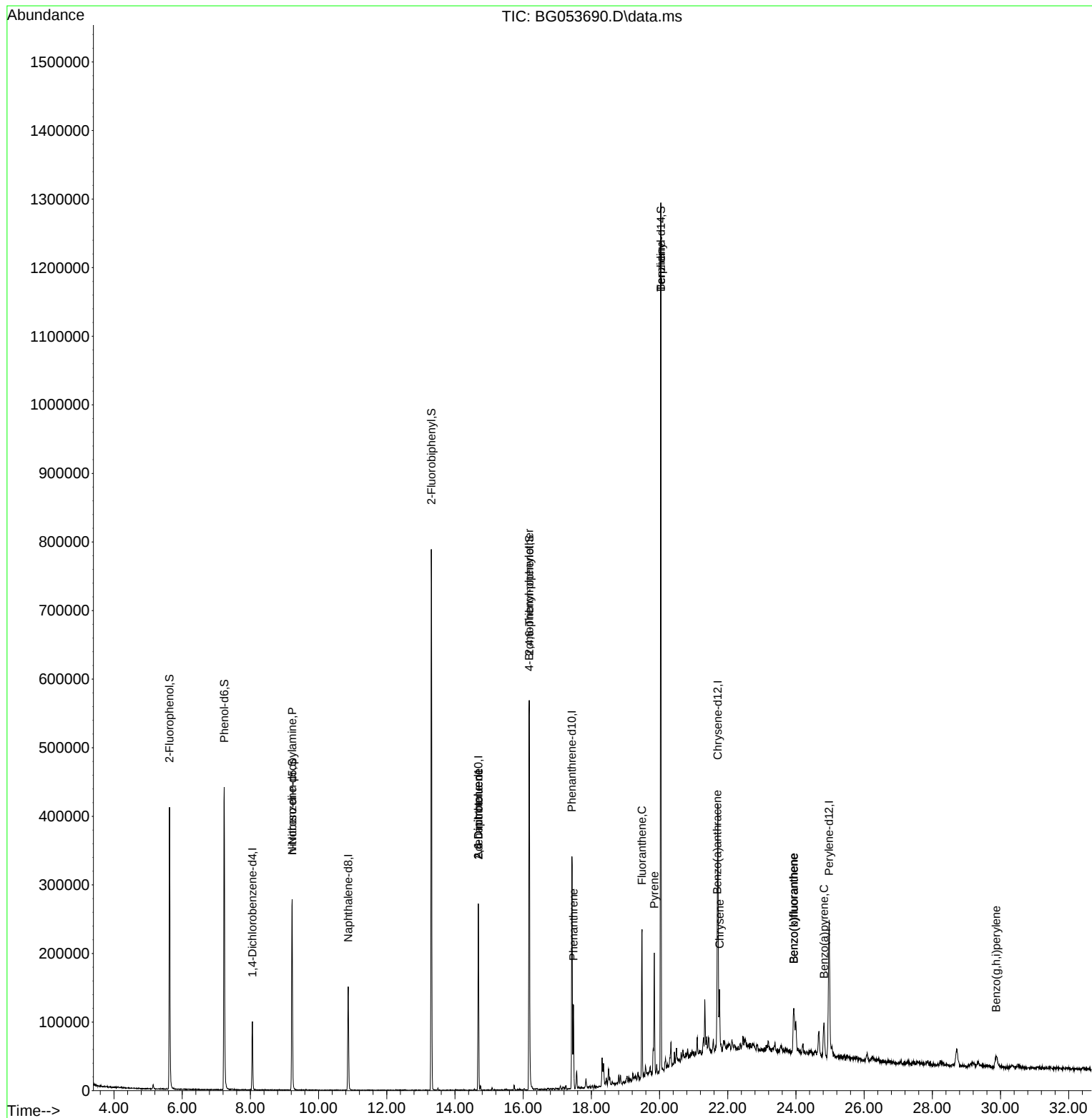
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.061	152	28114	20.000	ng	0.00
21) Naphthalene-d8	10.869	136	127478	20.000	ng	0.00
39) Acenaphthene-d10	14.687	164	96225	20.000	ng	0.00
64) Phenanthrene-d10	17.430	188	214429	20.000	ng	0.00
76) Chrysene-d12	21.707	240	200506	20.000	ng	0.00
86) Perylene-d12	24.973	264	206463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.629	112	175838	106.147	ng	0.00
7) Phenol-d6	7.232	99	267382	106.354	ng	0.00
23) Nitrobenzene-d5	9.224	82	185058	61.796	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	122795	86.524	ng	0.00
45) 2-Fluorobiphenyl	13.307	172	418382	63.536	ng	0.00
79) Terphenyl-d14	20.039	244	652140	60.576	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.224	70	25492	14.132	ng	# 76
51) 2,6-Dinitrotoluene	14.687	165	12362	8.298	ng	# 17
57) 2,4-Dinitrotoluene	14.687	165	12362	5.725	ng	# 23
67) 4-Bromophenyl-phenylether	16.173	248	7900	3.155	ng	# 1
71) Phenanthrene	17.477	178	80473	7.381	ng	99
75) Fluoranthene	19.486	202	142528	10.096	ng	99
77) Benzidine	20.039	184	10787	2.496	ng	# 92
78) Pyrene	19.845	202	114413	8.815	ng	100
81) Benzo(a)anthracene	21.689	228	68928	5.390	ng	99
83) Chrysene	21.760	228	62814	5.259	ng	99
88) Benzo(b)fluoranthene	23.939	252	80249	6.567	ng	# 99
89) Benzo(k)fluoranthene	23.939	252	80249	6.682	ng	99
90) Benzo(a)pyrene	24.820	252	52970	5.092	ng	# 94
92) Benzo(g,h,i)perylene	29.872	276	33562	2.858	ng	96

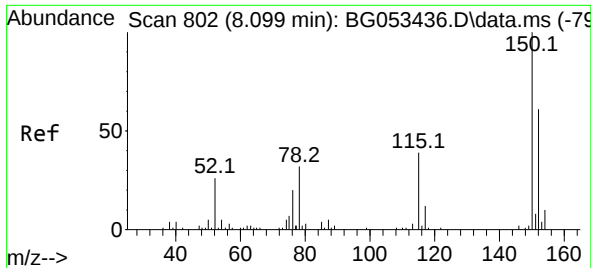
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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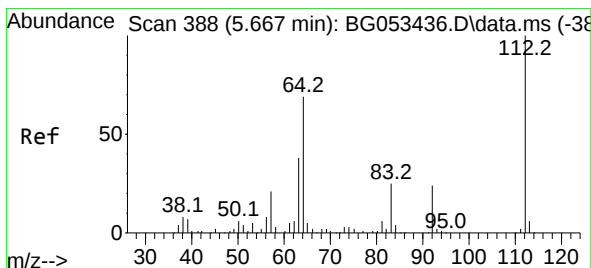
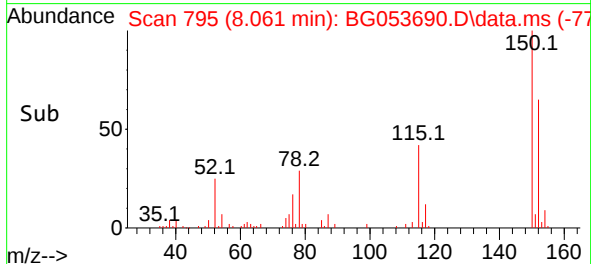
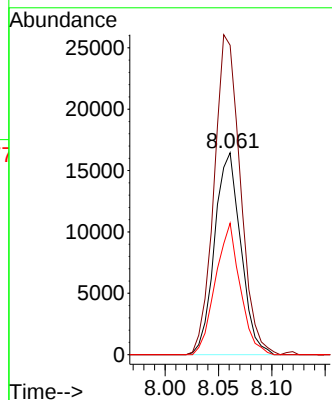
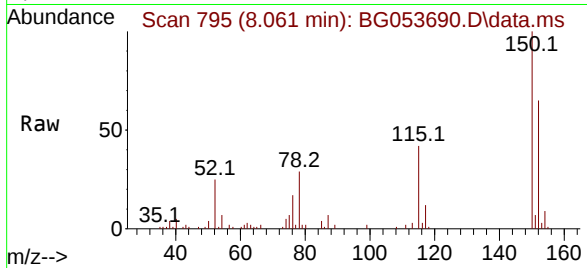




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.061 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

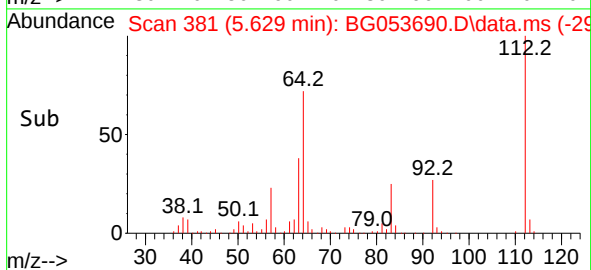
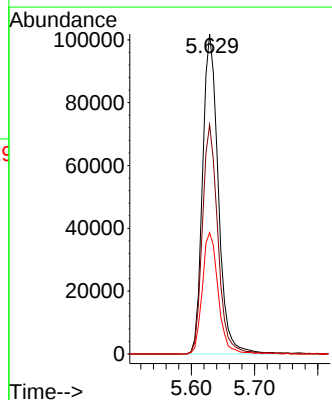
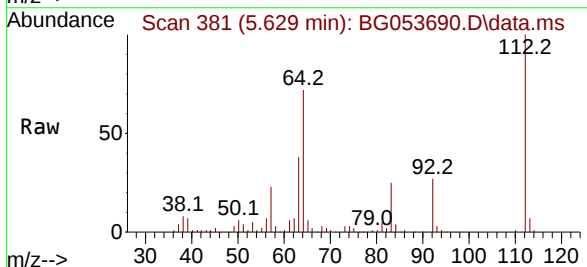
Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion:152 Resp: 28114
Ion Ratio Lower Upper
152 100
150 153.3 131.6 197.4
115 65.1 50.9 76.3



#5
2-Fluorophenol
Concen: 106.147 ng
RT: 5.629 min Scan# 381
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:112 Resp: 175838
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 37.9 30.4 45.6

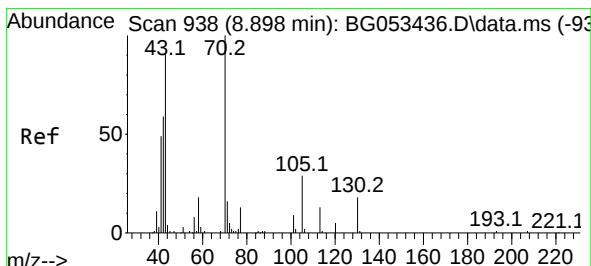
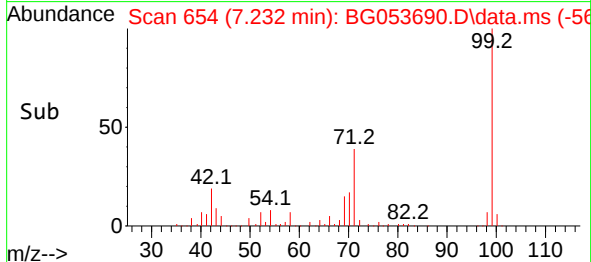
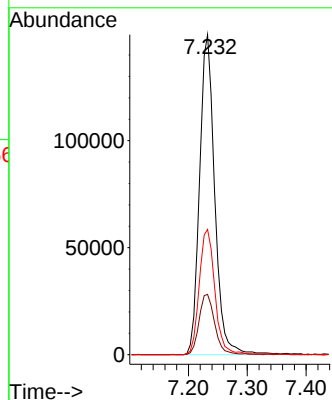
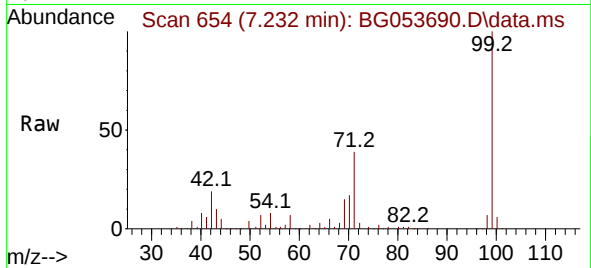




#7
Phenol-d6
Concen: 106.354 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

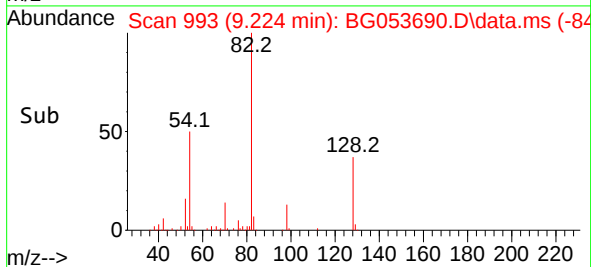
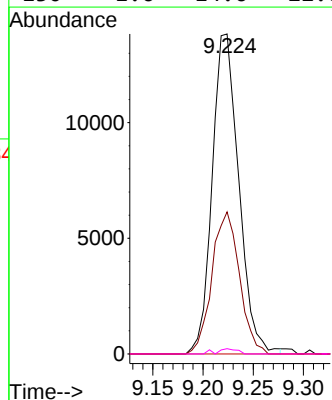
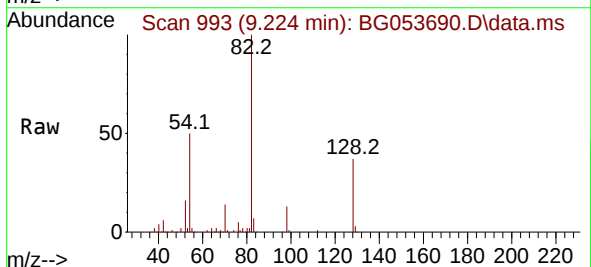
Instrument :
BNA_G
ClientSampleId :
P-7

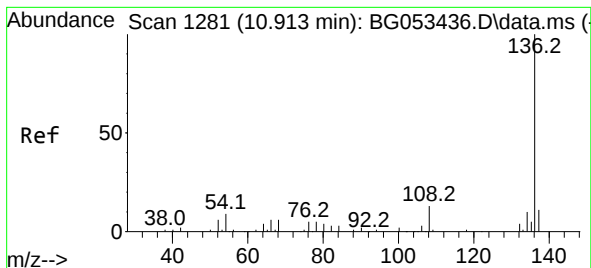
Tgt Ion: 99 Resp: 267382
Ion Ratio Lower Upper
99 100
42 18.8 17.0 25.6
71 39.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.132 ng
RT: 9.224 min Scan# 993
Delta R.T. 0.361 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion: 70 Resp: 25492
Ion Ratio Lower Upper
70 100
42 44.4 47.3 70.9#
101 0.0 7.0 10.4#
130 1.6 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.869 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

Tgt Ion:136 Resp: 127478

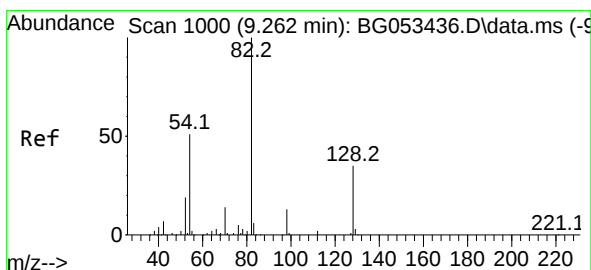
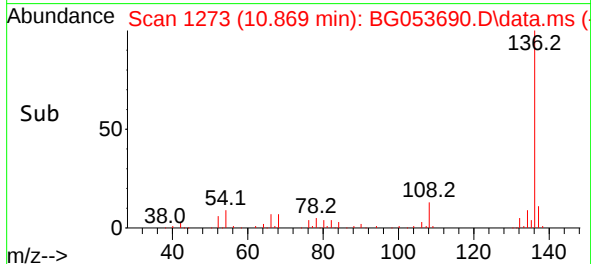
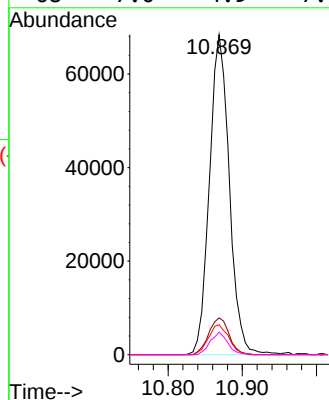
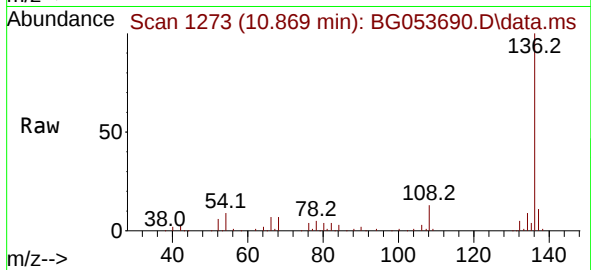
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 9.3 7.4 11.2

68 7.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 61.796 ng

RT: 9.224 min Scan# 993

Delta R.T. -0.003 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

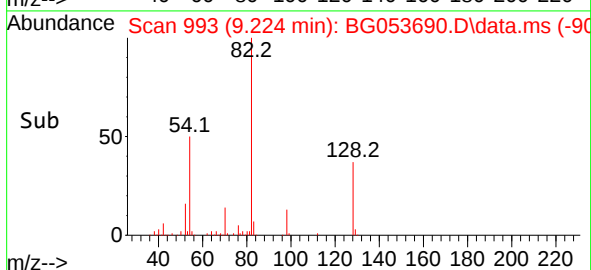
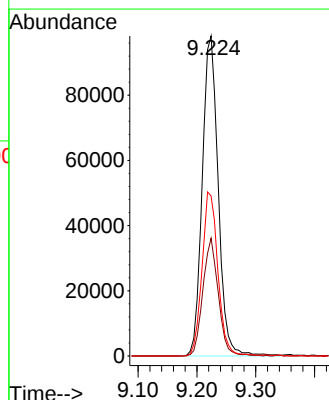
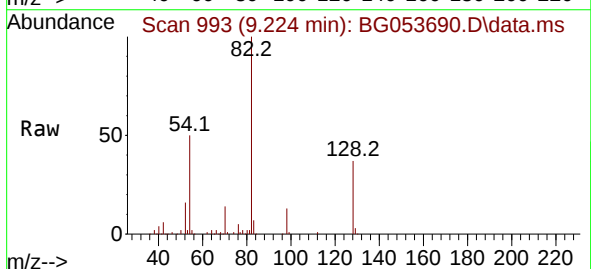
Tgt Ion: 82 Resp: 185058

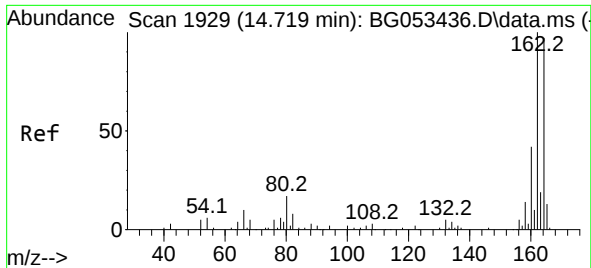
Ion Ratio Lower Upper

82 100

128 36.8 27.9 41.9

54 50.0 41.2 61.8

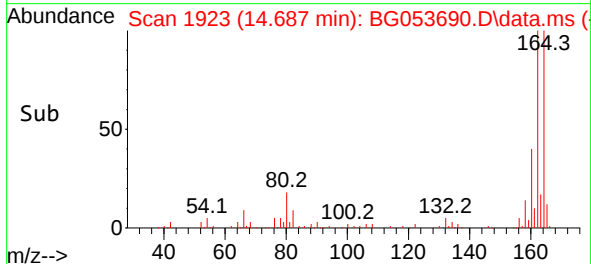
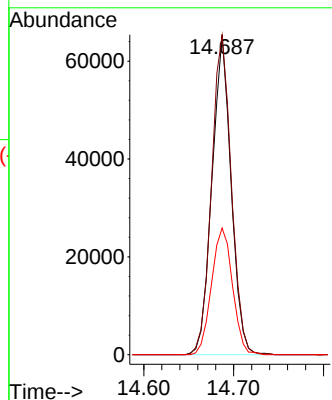
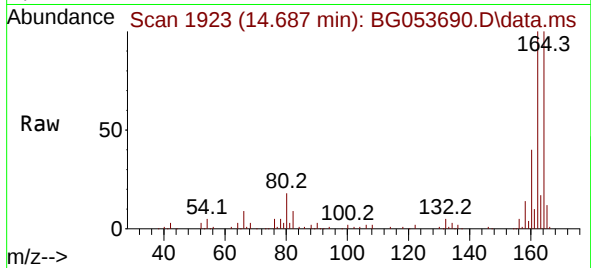




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.687 min Scan# 1929
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

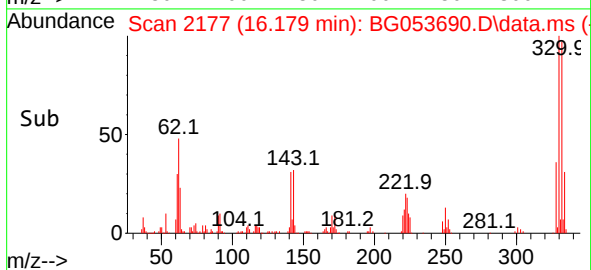
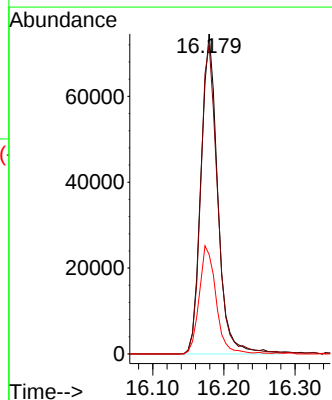
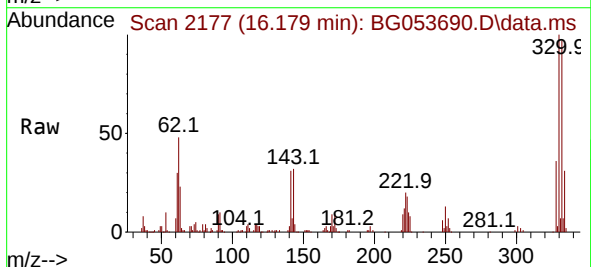
Instrument :
BNA_G
ClientSampleId :
P-7

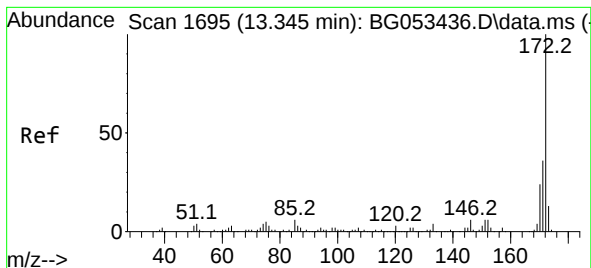
Tgt Ion:164 Resp: 96225
Ion Ratio Lower Upper
164 100
162 99.7 82.3 123.5
160 39.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 86.524 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:330 Resp: 122795
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 34.0 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 63.536 ng

RT: 13.307 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

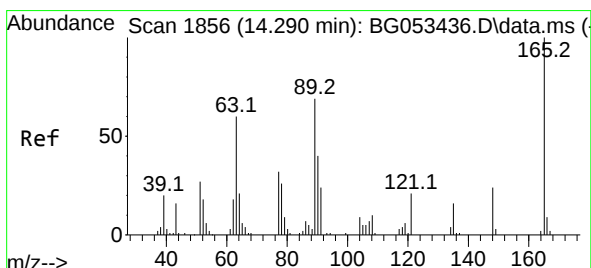
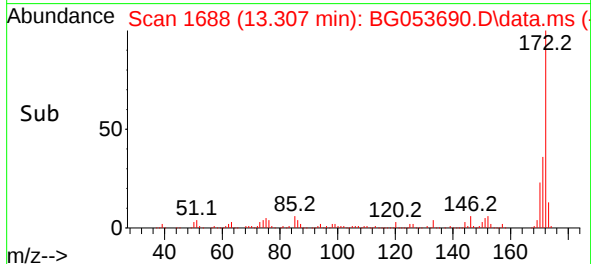
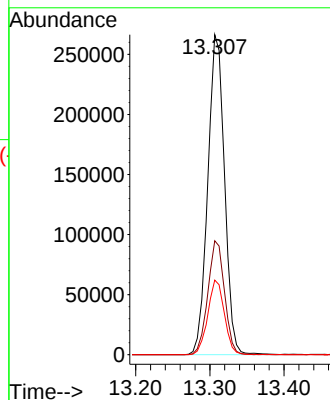
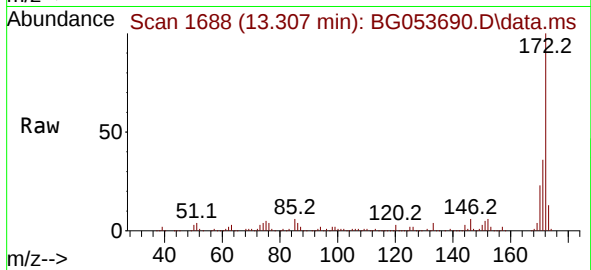
Tgt Ion:172 Resp: 418382

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.3 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.298 ng

RT: 14.687 min Scan# 1923

Delta R.T. 0.426 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

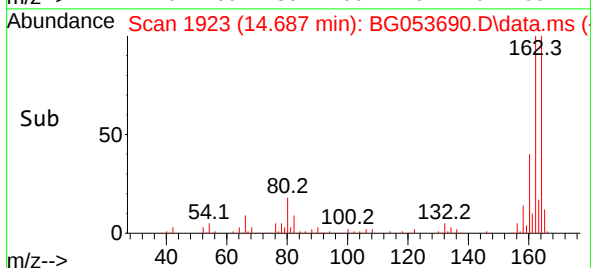
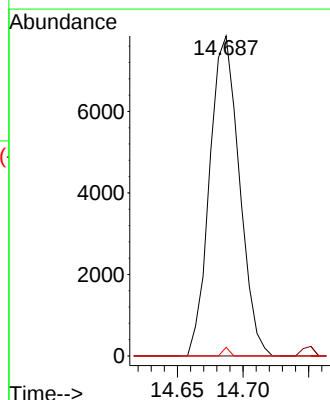
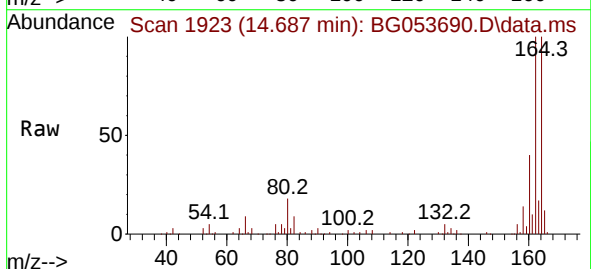
Tgt Ion:165 Resp: 12362

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 2.7 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.725 ng

RT: 14.687 min Scan# 1991

Delta R.T. -0.367 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

Tgt Ion:165 Resp: 12362

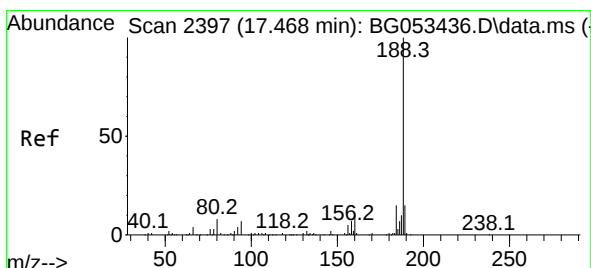
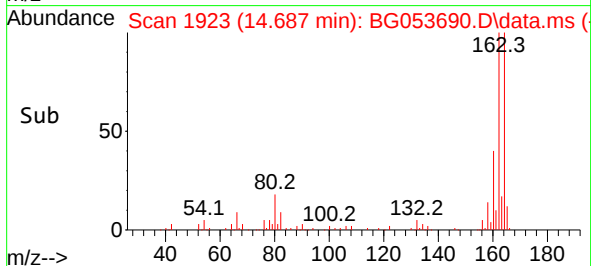
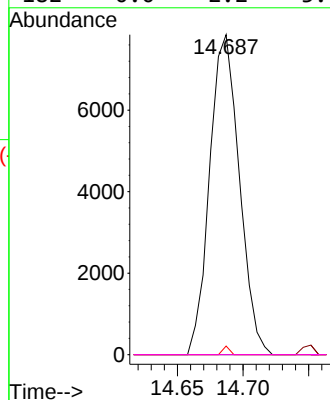
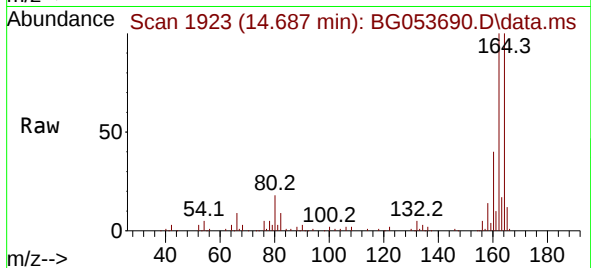
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 2.7 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.430 min Scan# 2390

Delta R.T. -0.009 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

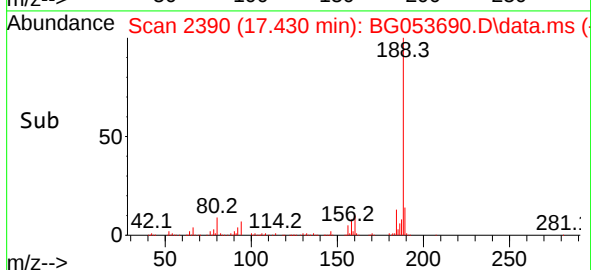
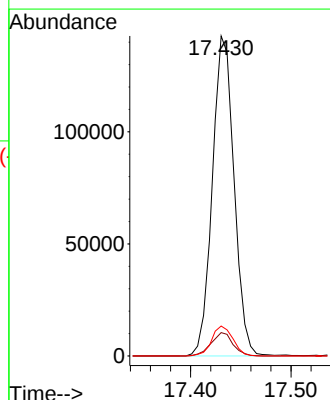
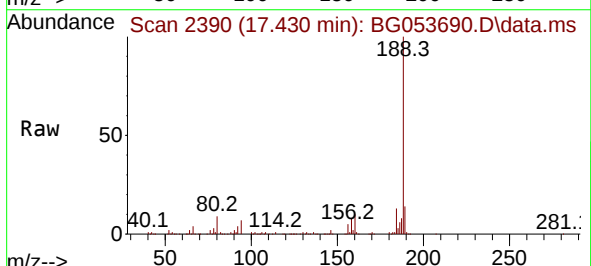
Tgt Ion:188 Resp: 214429

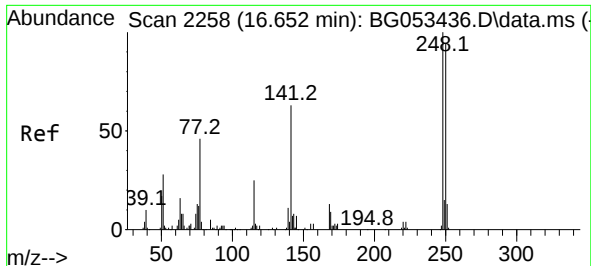
Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.0

80 9.4 6.8 10.2

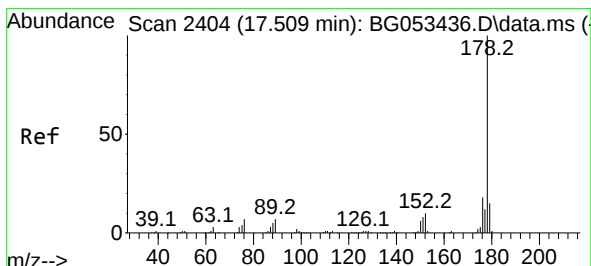
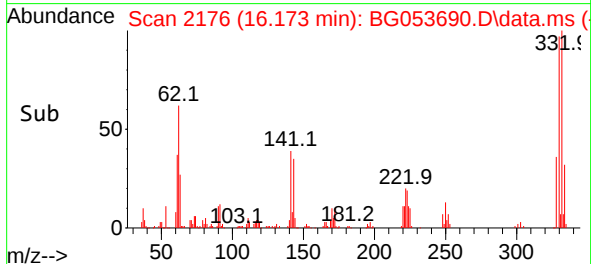
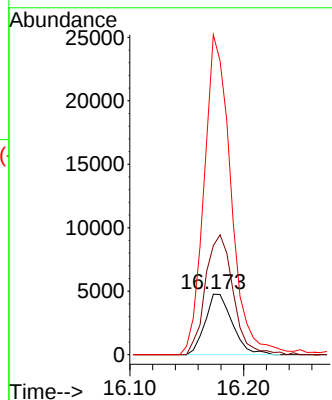
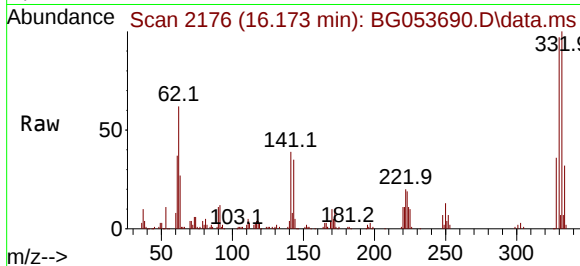




#67
4-Bromophenyl-phenylether
Concen: 3.155 ng
RT: 16.173 min Scan# 2176
Delta R.T. -0.443 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

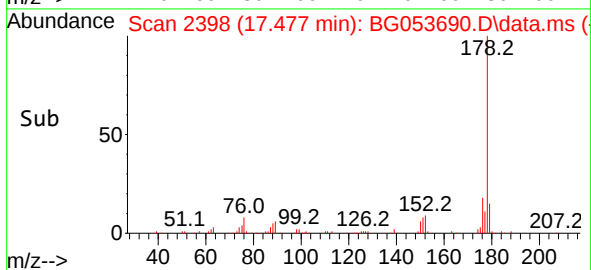
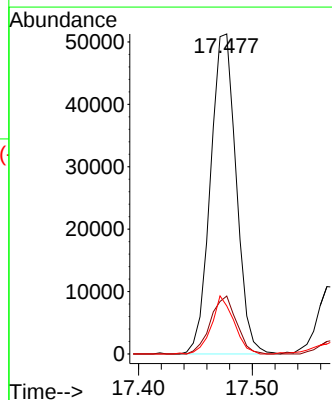
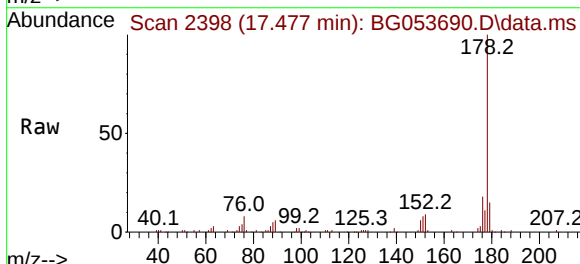
Instrument :
BNA_G
ClientSampleId :
P-7

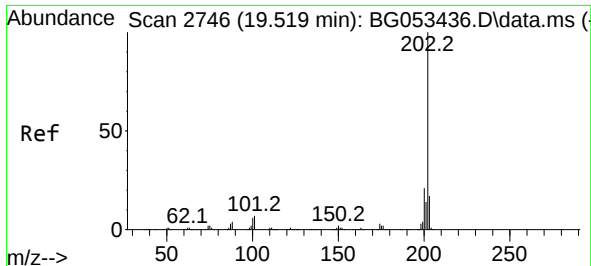
Tgt Ion:248 Resp: 7900
Ion Ratio Lower Upper
248 100
250 180.1 75.2 112.8#
141 528.9 50.0 75.0#



#71
Phenanthrene
Concen: 7.381 ng
RT: 17.477 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:178 Resp: 80473
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.0 12.1 18.1

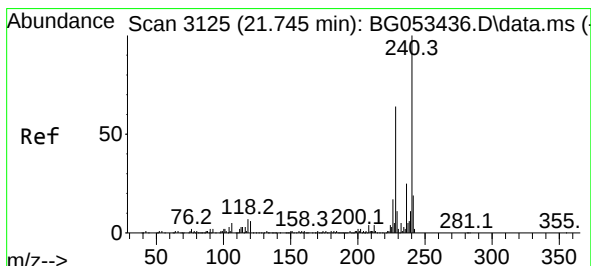
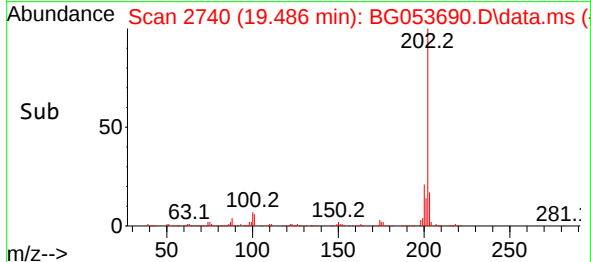
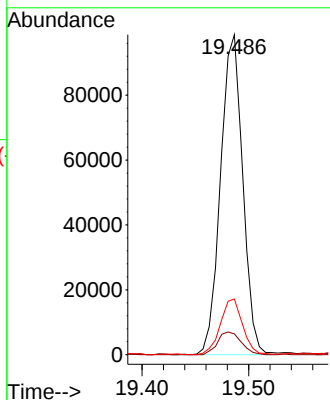
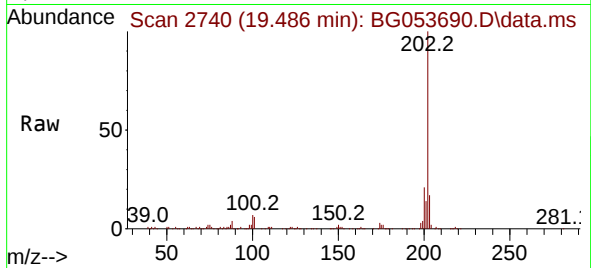




#75
Fluoranthene
Concen: 10.096 ng
RT: 19.486 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

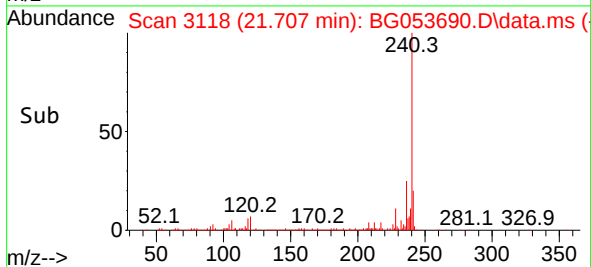
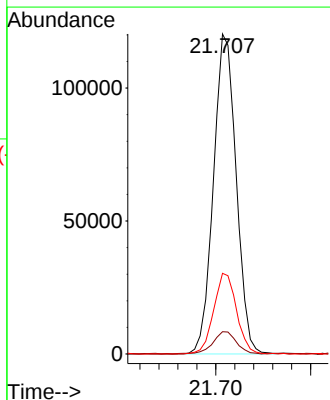
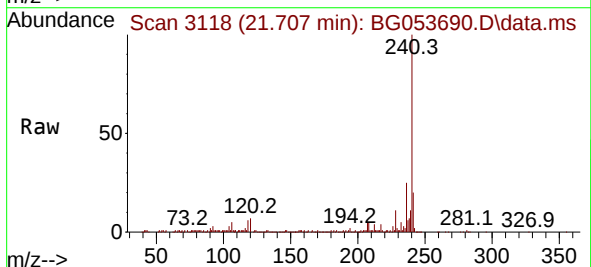
Instrument :
BNA_G
ClientSampleId :
P-7

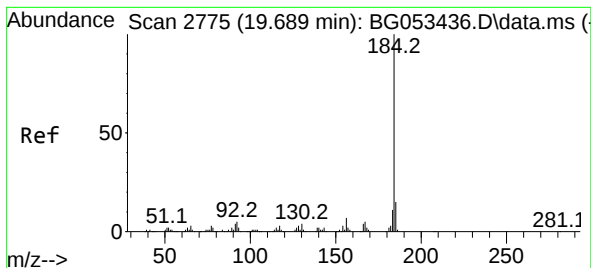
Tgt Ion:202 Resp: 142528
Ion Ratio Lower Upper
202 100
101 6.5 0.0 26.9
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.707 min Scan# 3118
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:240 Resp: 200506
Ion Ratio Lower Upper
240 100
120 6.9 4.6 7.0
236 25.2 20.2 30.4





#77

Benzidine

Concen: 2.496 ng

RT: 20.039 min Scan# 21

Delta R.T. 0.379 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

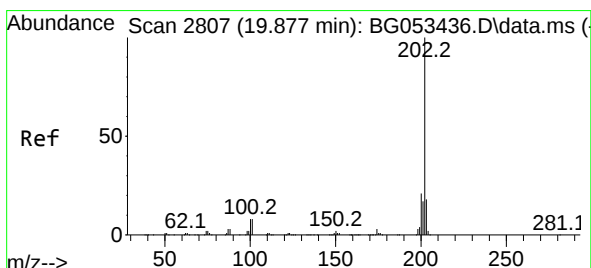
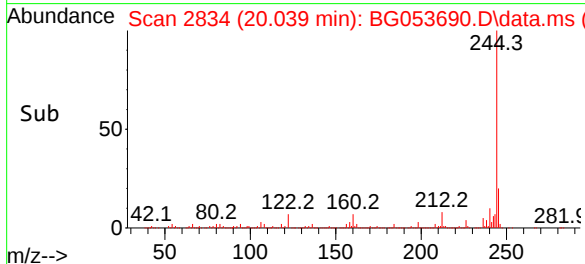
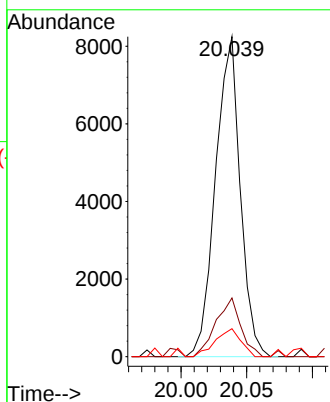
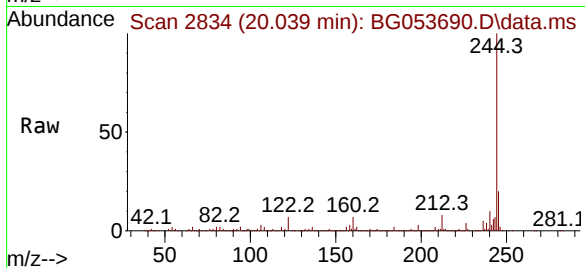
Tgt Ion:184 Resp: 10787

Ion Ratio Lower Upper

184 100

185 18.4 11.8 17.6#

183 8.8 8.9 13.3#



#78

Pyrene

Concen: 8.815 ng

RT: 19.845 min Scan# 2801

Delta R.T. -0.009 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

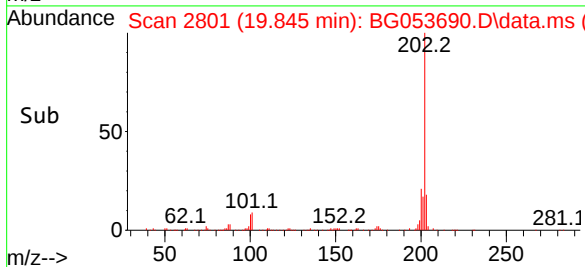
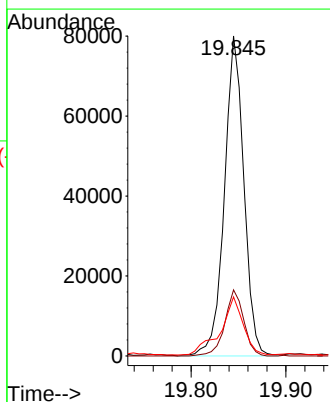
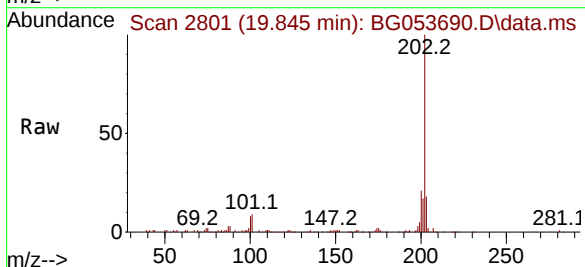
Tgt Ion:202 Resp: 114413

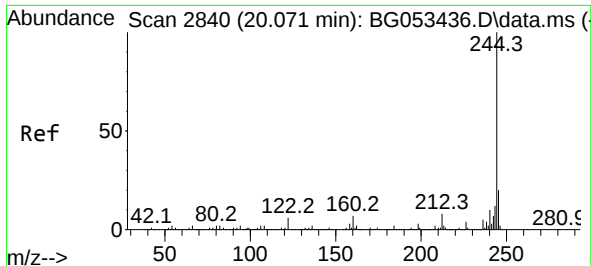
Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

203 18.5 14.6 21.8

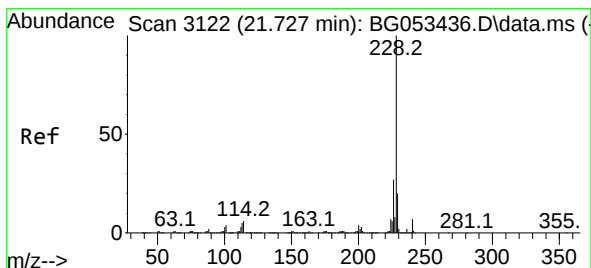
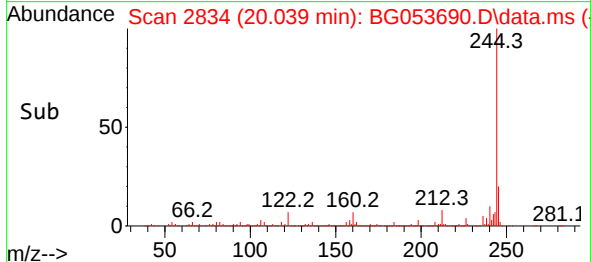
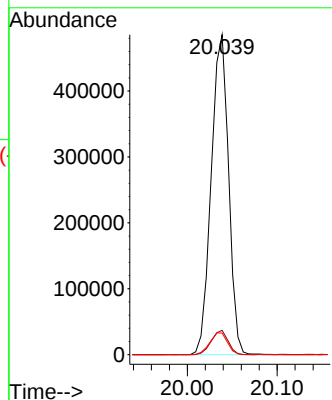
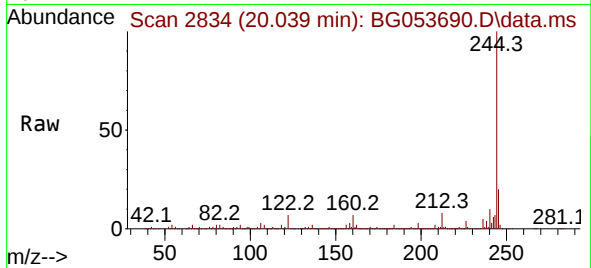




#79
 Terphenyl-d14
 Concen: 60.576 ng
 RT: 20.039 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG053690.D
 Acq: 24 May 2022 20:04

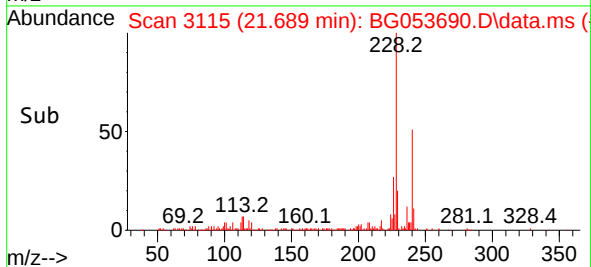
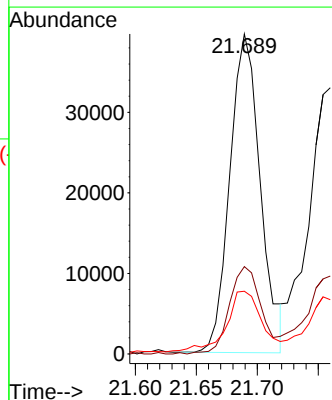
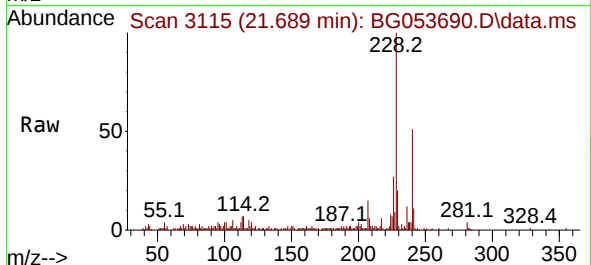
Instrument :
 BNA_G
 ClientSampleId :
 P-7

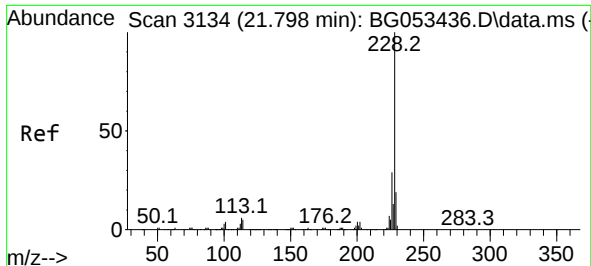
Tgt Ion:244 Resp: 652140
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 6.7 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 5.390 ng
 RT: 21.689 min Scan# 3115
 Delta R.T. -0.009 min
 Lab File: BG053690.D
 Acq: 24 May 2022 20:04

Tgt Ion:228 Resp: 68928
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.6 32.4
 229 19.6 16.2 24.2





#83

Chrysene

Concen: 5.259 ng

RT: 21.760 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

Instrument :

BNA_G

ClientSampleId :

P-7

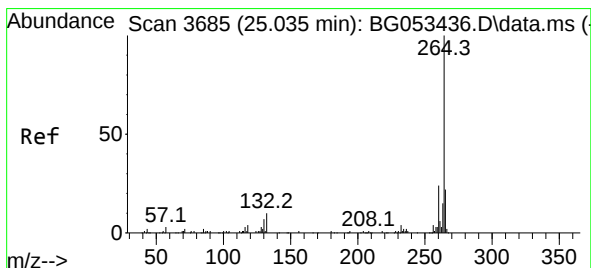
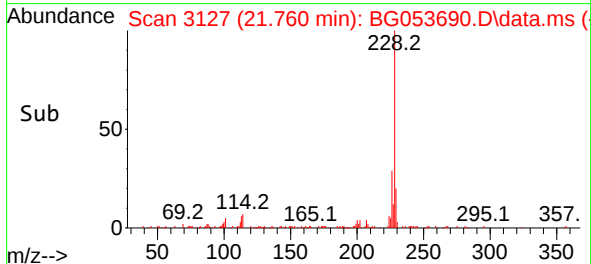
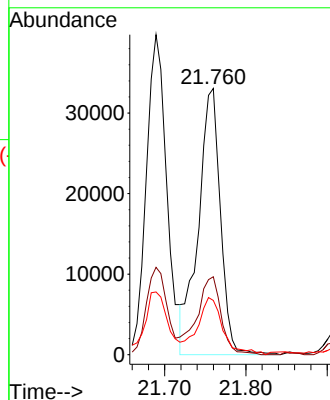
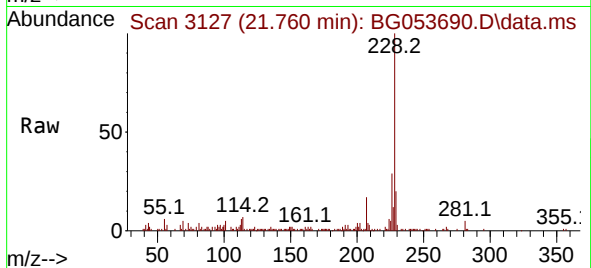
Tgt Ion:228 Resp: 62814

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 20.4 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.973 min Scan# 3674

Delta R.T. -0.009 min

Lab File: BG053690.D

Acq: 24 May 2022 20:04

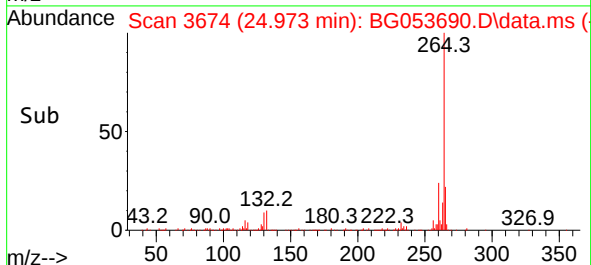
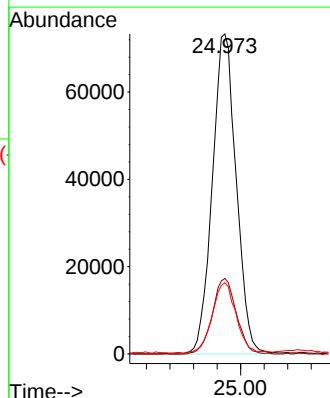
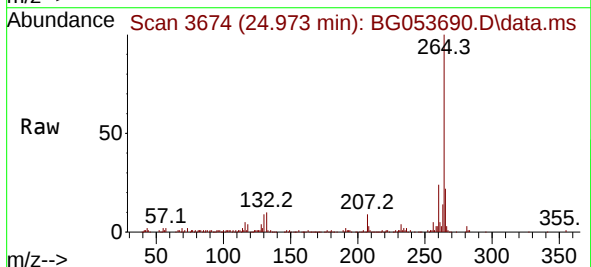
Tgt Ion:264 Resp: 206463

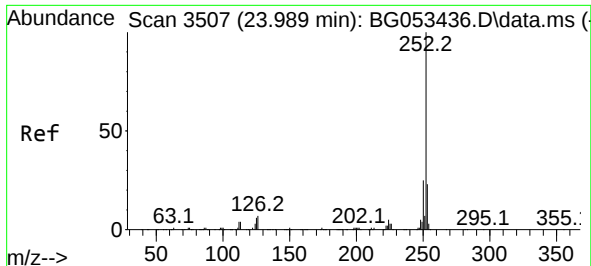
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 22.3 17.4 26.2

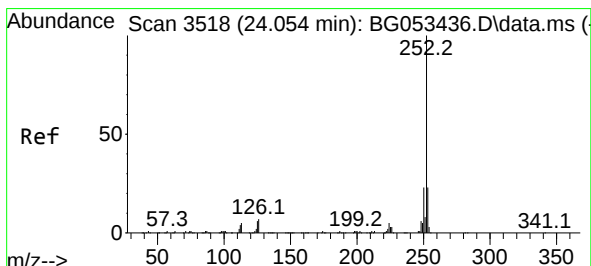
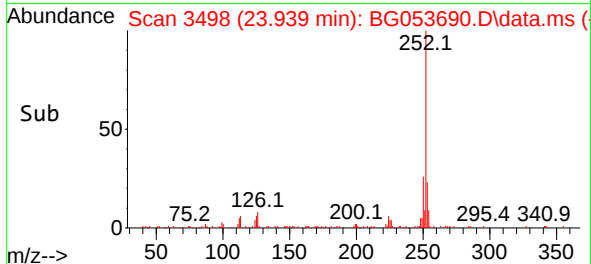
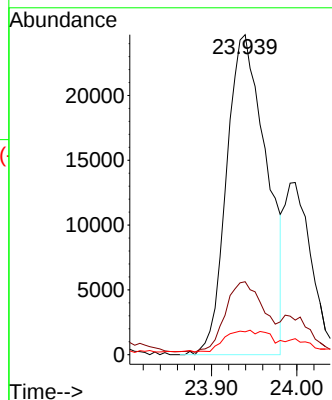
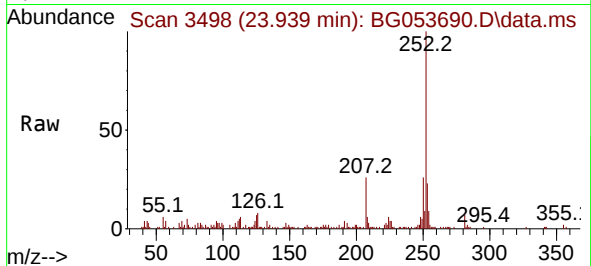




#88
Benzo(b)fluoranthene
Concen: 6.567 ng
RT: 23.939 min Scan# 3498
Delta R.T. -0.003 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

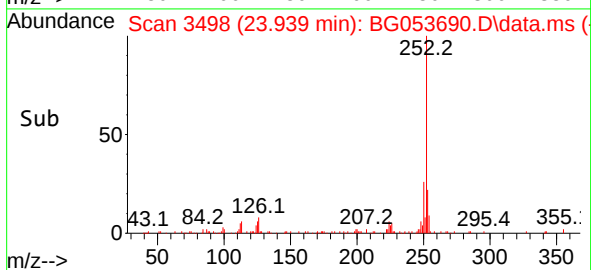
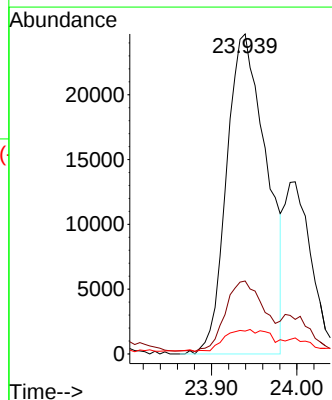
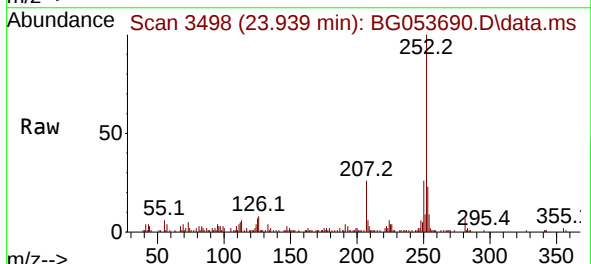
Instrument :
BNA_G
ClientSampleId :
P-7

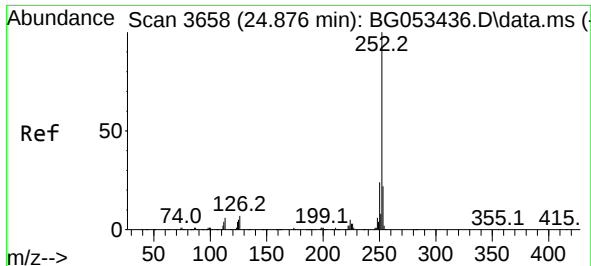
Tgt Ion:252 Resp: 80249
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 7.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 6.682 ng
RT: 23.939 min Scan# 3498
Delta R.T. -0.073 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:252 Resp: 80249
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 7.1 4.8 7.2

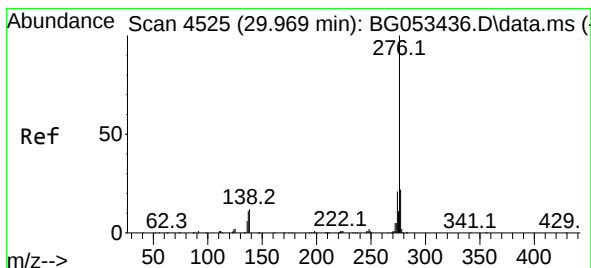
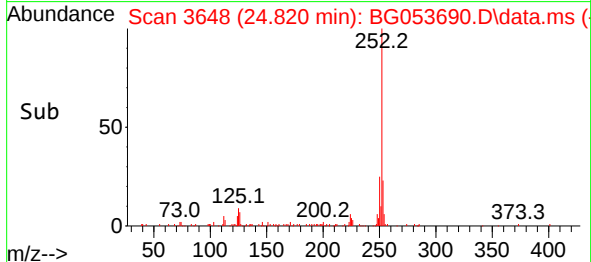
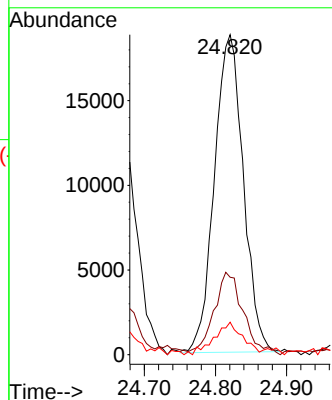
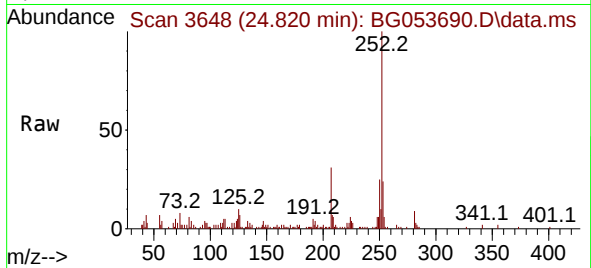




#90
Benzo(a)pyrene
Concen: 5.092 ng
RT: 24.820 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion:252 Resp: 52970
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 10.2 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 2.858 ng
RT: 29.872 min Scan# 4508
Delta R.T. -0.032 min
Lab File: BG053690.D
Acq: 24 May 2022 20:04

Tgt Ion:276 Resp: 33562
Ion Ratio Lower Upper
276 100
277 23.5 17.3 25.9
138 14.1 9.6 14.4

