

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020922\
 Data File : BG052334.D
 Acq On : 9 Feb 2022 14:32
 Operator : CG/JU
 Sample : N1362-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-342

Quant Time: Feb 09 15:34:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

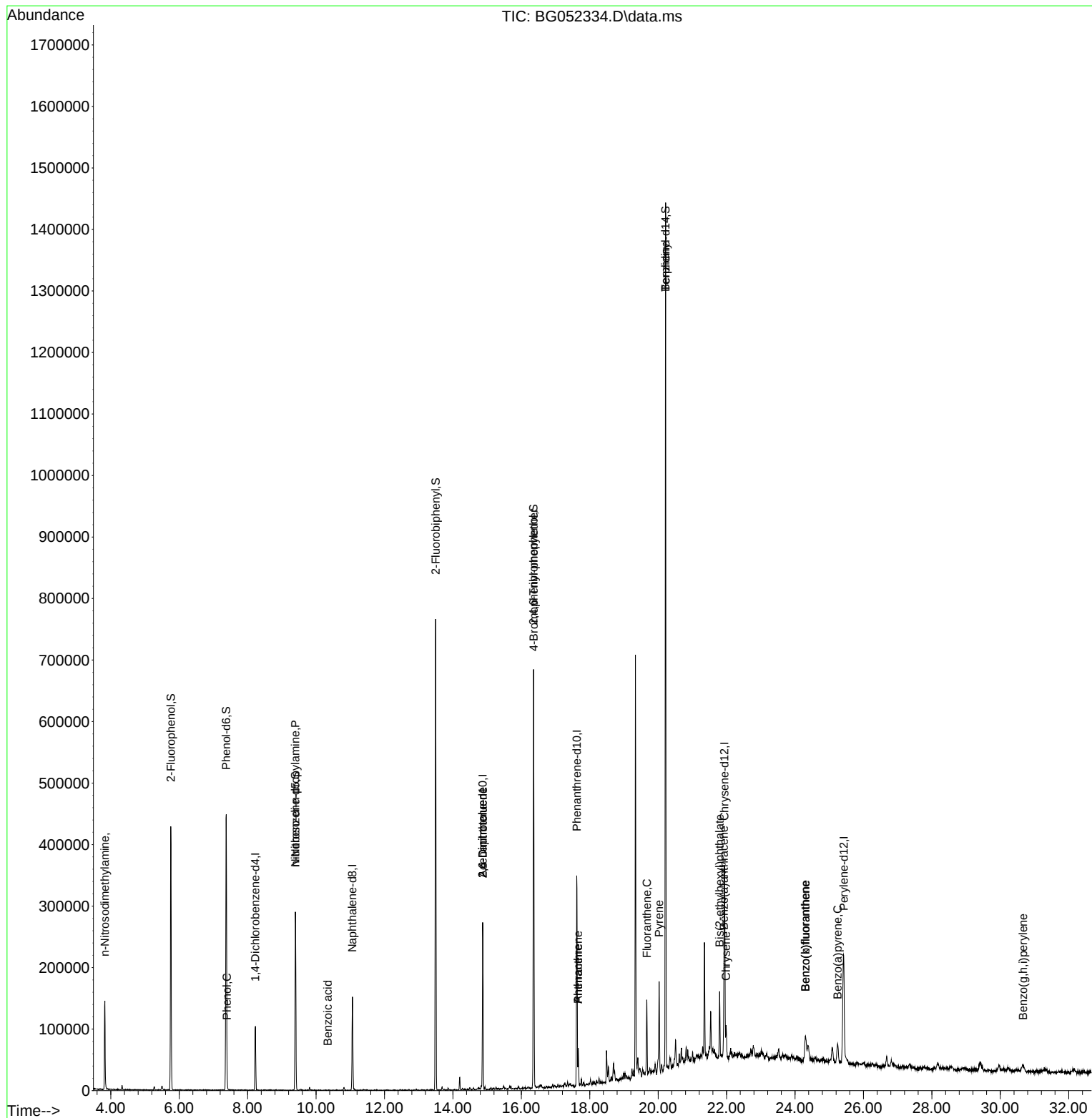
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	29512	20.000	ng	0.00
21) Naphthalene-d8	11.065	136	129770	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	95074	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	224465	20.000	ng	0.00
76) Chrysene-d12	21.939	240	198236	20.000	ng	0.00
86) Perylene-d12	25.422	264	202532	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	176856	104.444	ng	0.00
7) Phenol-d6	7.376	99	261278	100.004	ng	0.00
23) Nitrobenzene-d5	9.397	82	178866	59.904	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	137137	100.401	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	413201	60.390	ng	0.00
79) Terphenyl-d14	20.218	244	676798	60.288	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.828	42	5339	4.572	ng	# 1
9) Benzaldehyde	7.376	77	503	Below Cal		# 8
10) Phenol	7.400	94	5554	2.140	ng	78
19) n-Nitroso-di-n-propyla...	9.397	70	25644	13.019	ng	# 72
32) Benzoic acid	10.343	122	62	6.024	ng	# 1
51) 2,6-Dinitrotoluene	14.872	165	12781	8.132	ng	# 19
57) 2,4-Dinitrotoluene	14.872	165	12781	5.714	ng	# 18
67) 4-Bromophenyl-phenylether	16.364	248	8707	3.190	ng	# 1
71) Phenanthrene	17.662	178	39498	3.413	ng	96
72) Anthracene	17.662	178	39498	3.483	ng	97
75) Fluoranthene	19.671	202	77126	5.235	ng	99
77) Benzidine	20.218	184	10291	2.429	ng	# 90
78) Pyrene	20.030	202	90150	6.796	ng	97
81) Benzo(a)anthracene	21.921	228	38019	2.898	ng	95
83) Chrysene	21.986	228	39879	3.208	ng	91
84) Bis(2-ethylhexyl)phtha...	21.798	149	42307	6.622	ng	97
88) Benzo(b)fluoranthene	24.306	252	52113	4.129	ng	# 94
89) Benzo(k)fluoranthene	24.306	252	52113	4.180	ng	# 96
90) Benzo(a)pyrene	25.246	252	38296	3.592	ng	# 98
92) Benzo(g,h,i)perylene	30.662	276	27103	2.256	ng	# 88

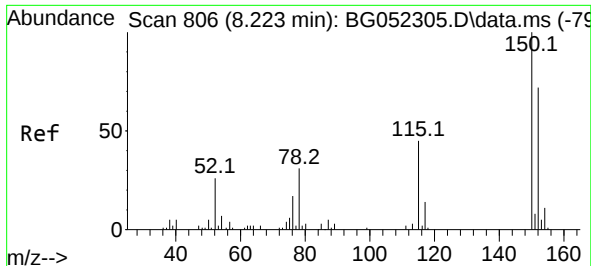
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 09 15:34:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration

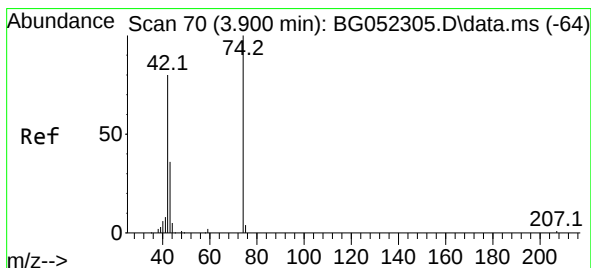
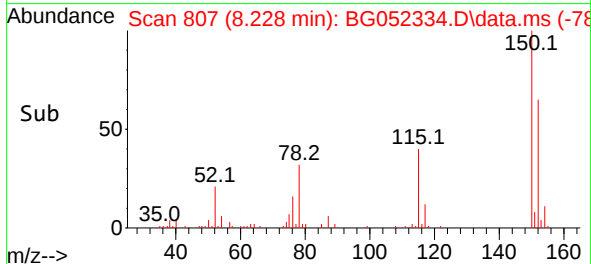
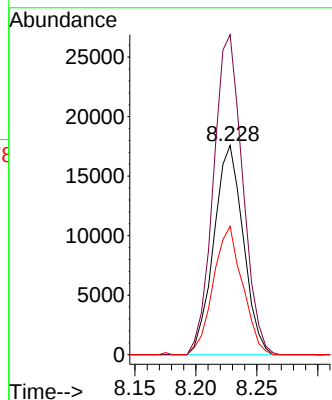
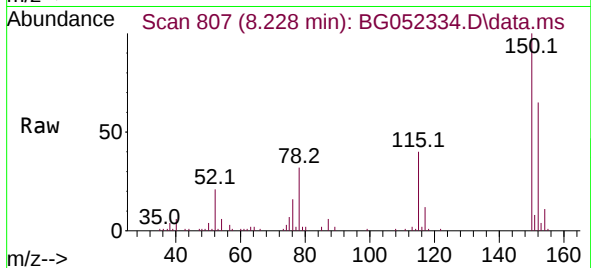




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

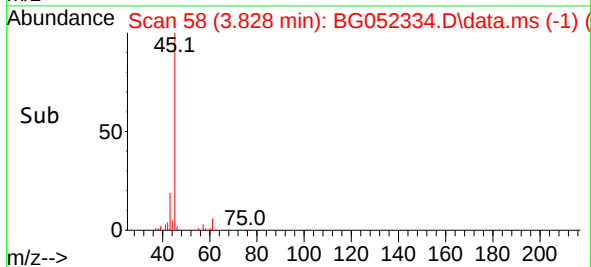
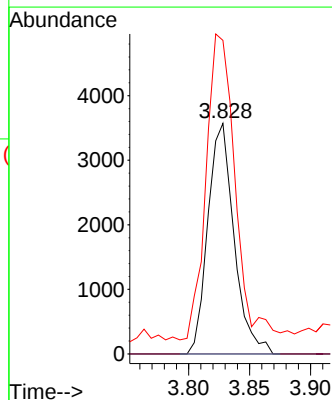
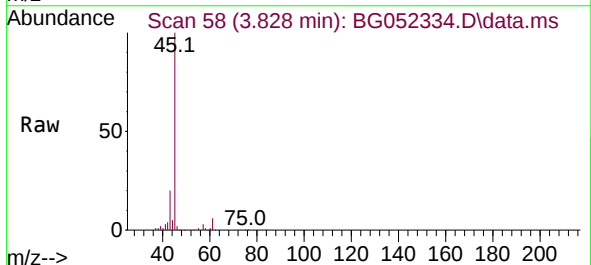
Instrument :
BNA_G
ClientSampleId :
RO-342

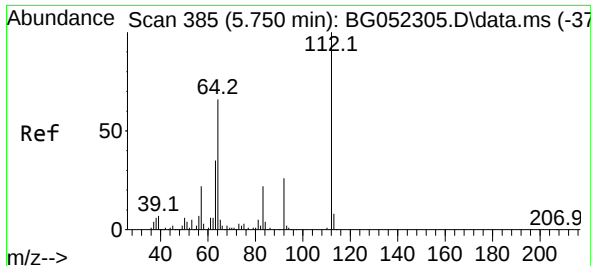
Tgt Ion:152 Resp: 29512
Ion Ratio Lower Upper
152 100
150 152.9 117.8 176.8
115 61.3 50.2 75.2



#4
n-Nitrosodimethylamine
Concen: 4.572 ng
RT: 3.828 min Scan# 58
Delta R.T. -0.072 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion: 42 Resp: 5339
Ion Ratio Lower Upper
42 100
74 0.0 83.0 124.4#
44 135.9 5.0 7.6#

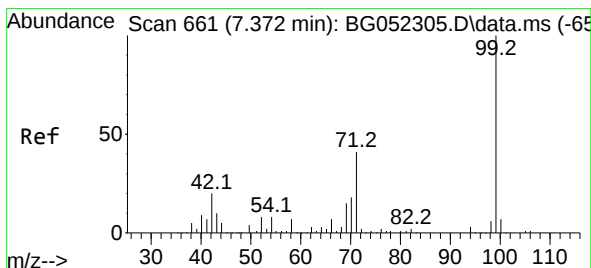
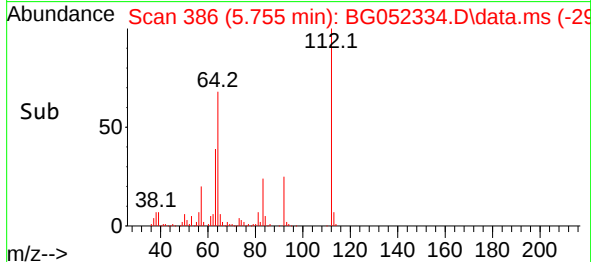
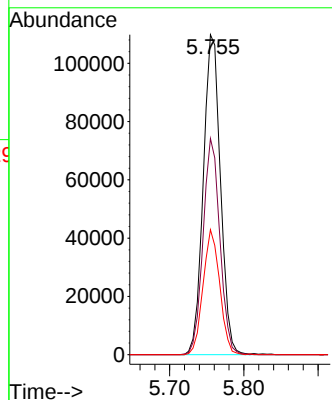
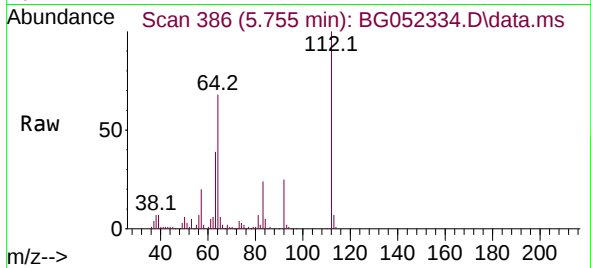




#5
2-Fluorophenol
Concen: 104.444 ng
RT: 5.755 min Scan# 385
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

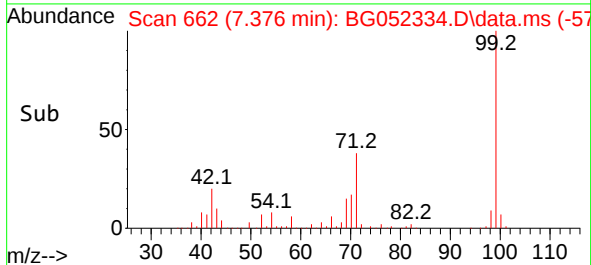
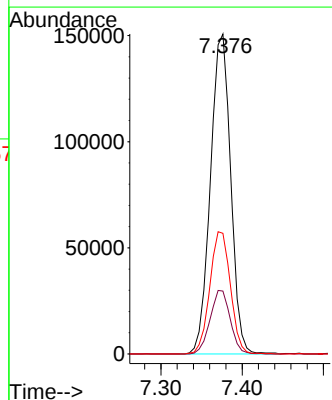
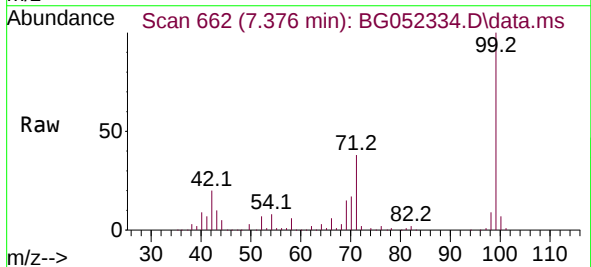
Instrument :
BNA_G
ClientSampleId :
RO-342

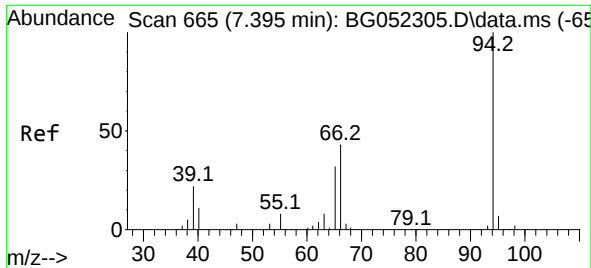
Tgt Ion:112 Resp: 176856
Ion Ratio Lower Upper
112 100
64 67.5 60.4 90.6
63 39.0 33.3 49.9



#7
Phenol-d6
Concen: 100.004 ng
RT: 7.376 min Scan# 662
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion: 99 Resp: 261278
Ion Ratio Lower Upper
99 100
42 19.6 19.1 28.7
71 37.7 33.4 50.2

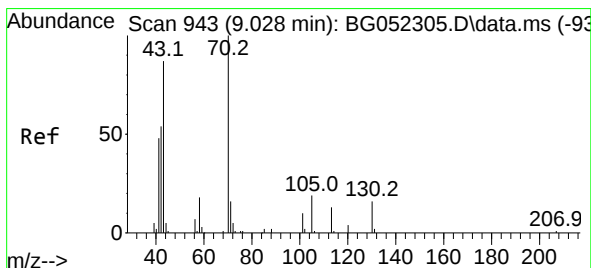
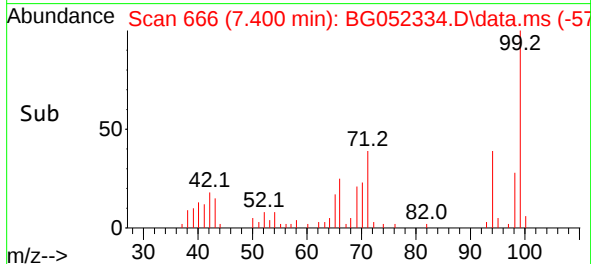
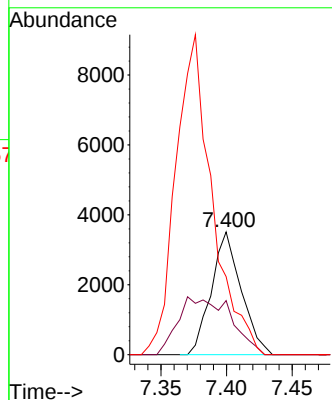
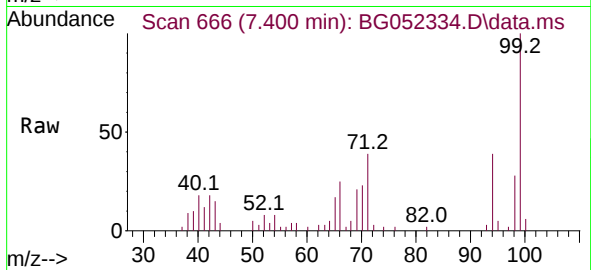




#10
Phenol
Concen: 2.140 ng
RT: 7.400 min Scan# 60
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

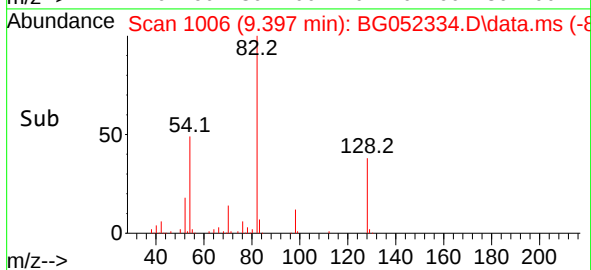
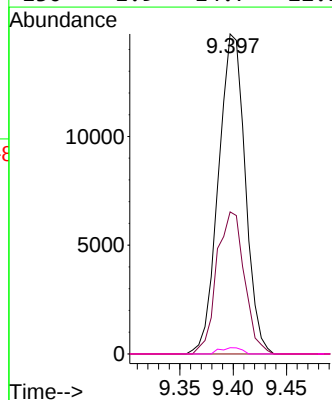
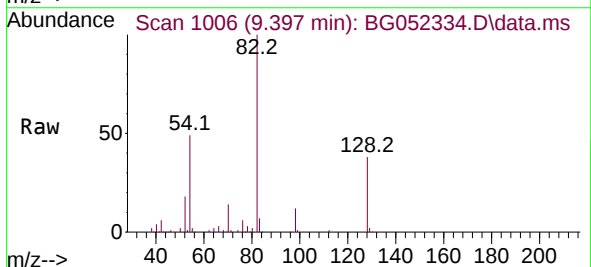
Instrument :
BNA_G
ClientSampleId :
RO-342

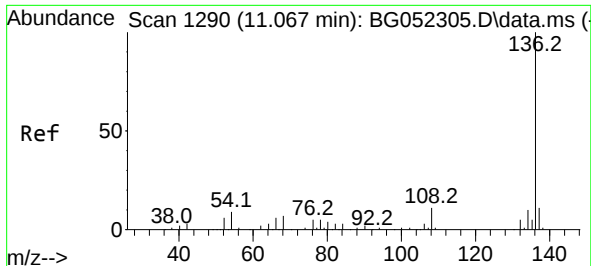
Tgt Ion: 94 Resp: 5554
Ion Ratio Lower Upper
94 100
65 44.0 14.1 54.1
66 63.6 26.6 66.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.019 ng
RT: 9.397 min Scan# 1006
Delta R.T. 0.369 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion: 70 Resp: 25644
Ion Ratio Lower Upper
70 100
42 44.4 51.8 77.6#
101 0.0 6.6 10.0#
130 1.9 14.7 22.1#

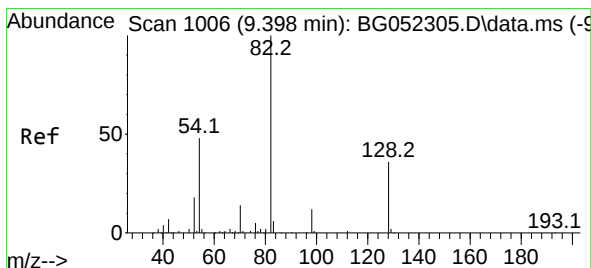
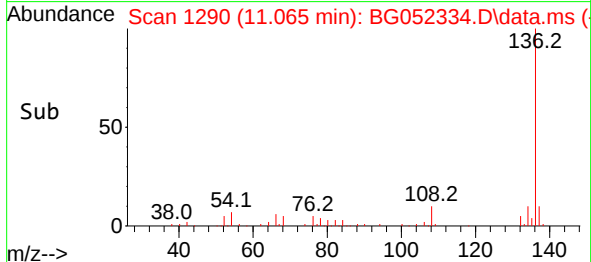
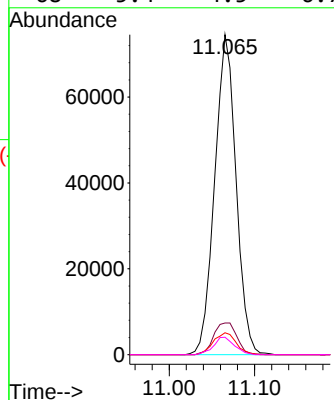
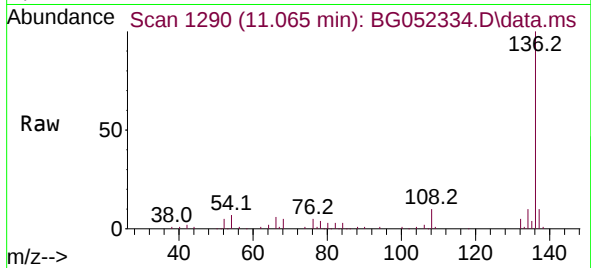




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.065 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

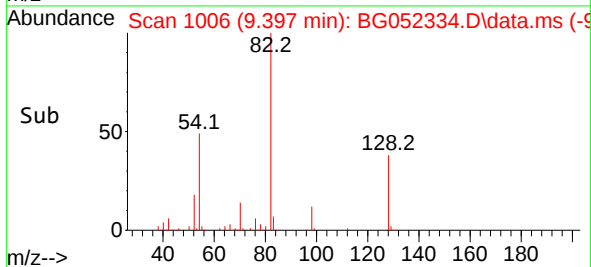
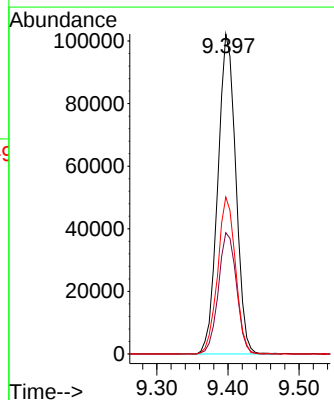
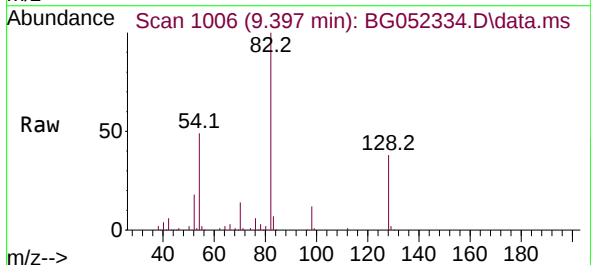
Instrument :
BNA_G
ClientSampleId :
RO-342

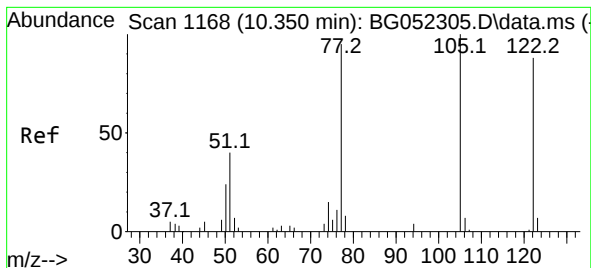
Tgt Ion:136	Resp:	129770
Ion Ratio	Lower	Upper
136	100	
137	9.9	9.1 13.7
54	6.8	8.3 12.5#
68	5.4	4.5 6.7



#23
Nitrobenzene-d5
Concen: 59.904 ng
RT: 9.397 min Scan# 1006
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion: 82	Resp:	178866
Ion Ratio	Lower	Upper
82	100	
128	37.9	27.0 40.4
54	49.0	41.0 61.6





#32

Benzoic acid

Concen: 6.024 ng

RT: 10.343 min Scan# 1167

Delta R.T. -0.007 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

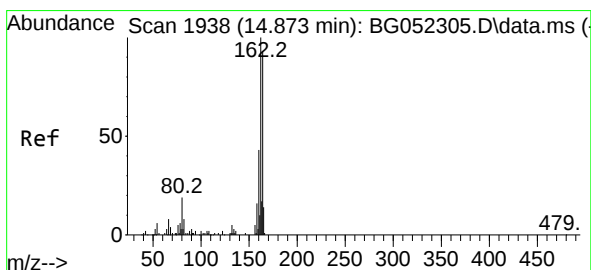
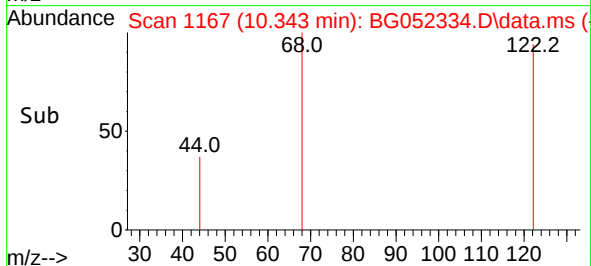
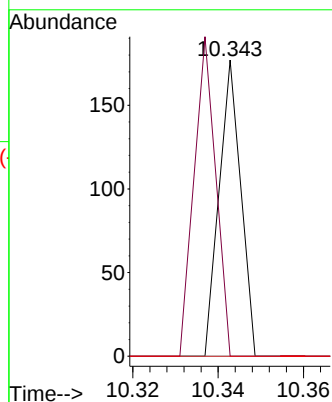
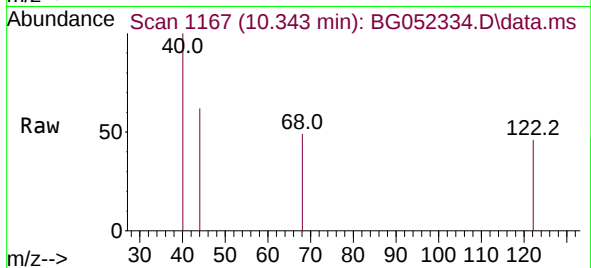
Tgt Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 109.2 149.2#

77 0.0 92.8 132.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.872 min Scan# 1938

Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

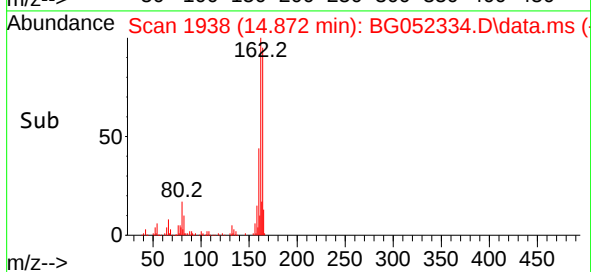
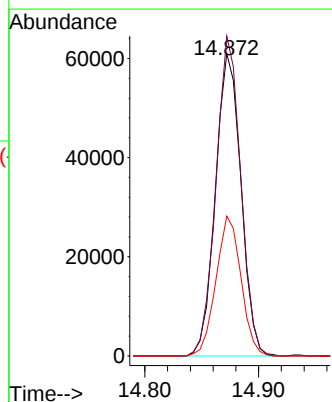
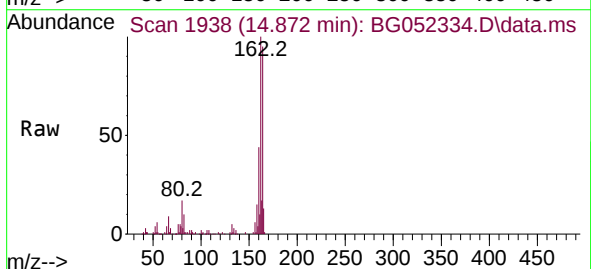
Tgt Ion:164 Resp: 95074

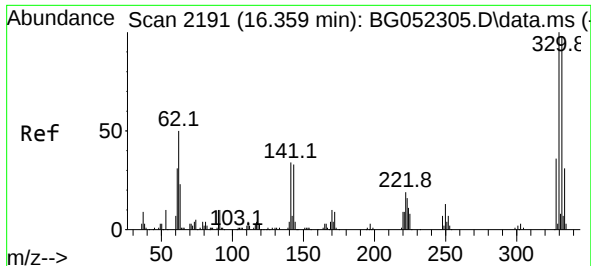
Ion Ratio Lower Upper

164 100

162 105.8 82.2 123.2

160 46.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 100.401 ng

RT: 16.358 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG052334.D

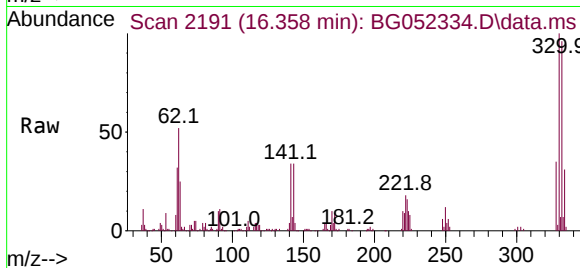
Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342



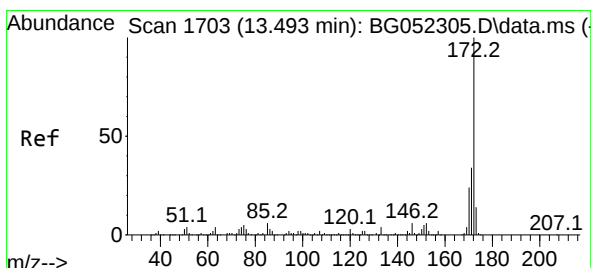
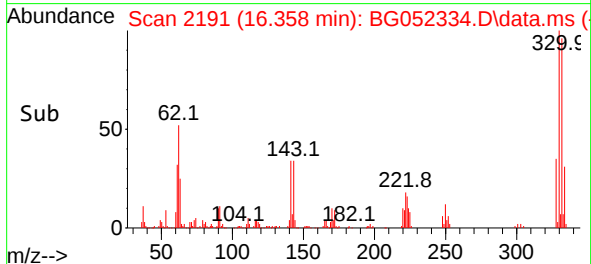
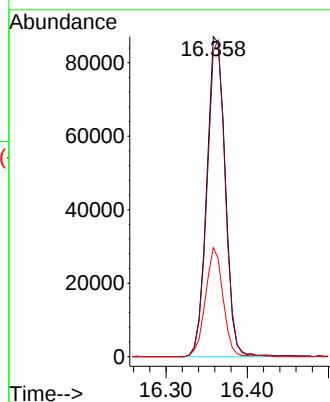
Tgt Ion:330 Resp: 137137

Ion Ratio Lower Upper

330 100

332 97.2 78.6 117.8

141 32.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 60.390 ng

RT: 13.497 min Scan# 1704

Delta R.T. 0.005 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

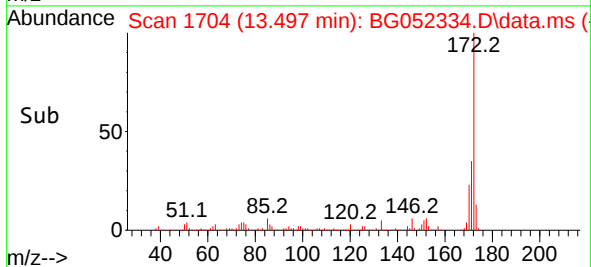
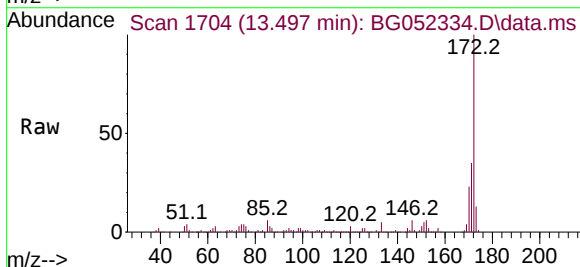
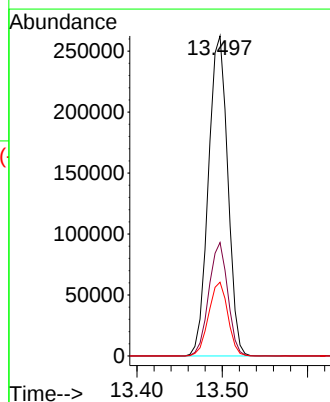
Tgt Ion:172 Resp: 413201

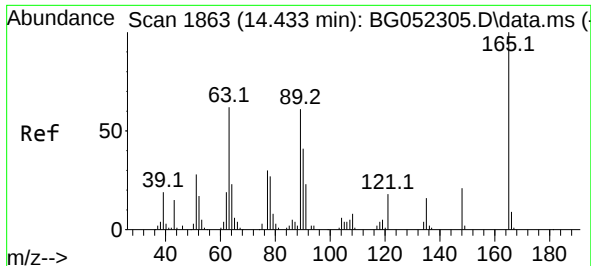
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.1 18.3 27.5

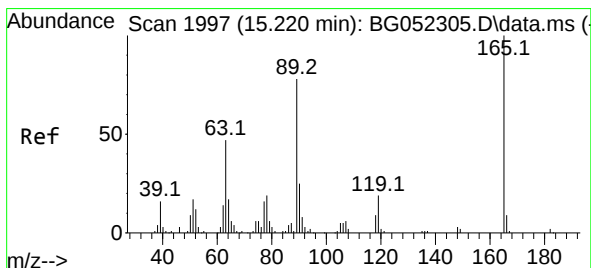
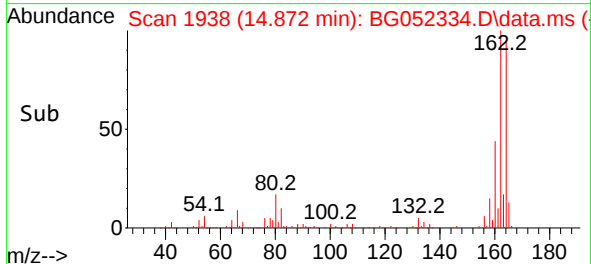
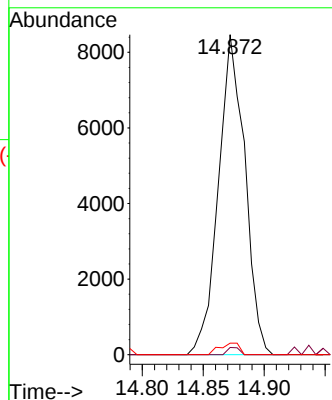
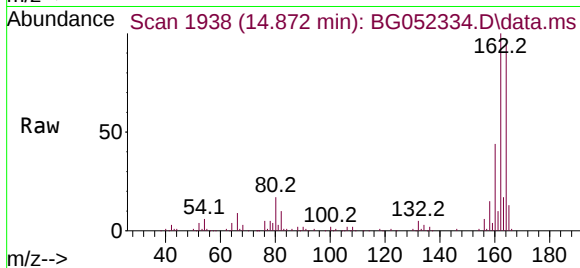




#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 14.872 min Scan# 1938
Delta R.T. 0.439 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

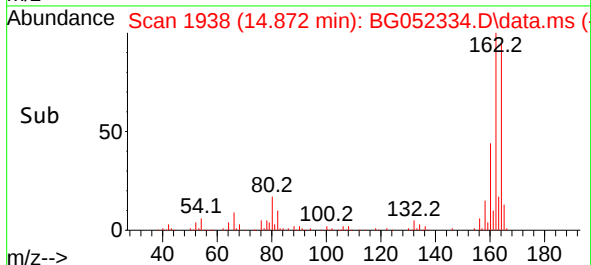
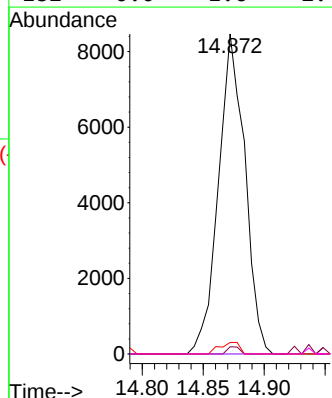
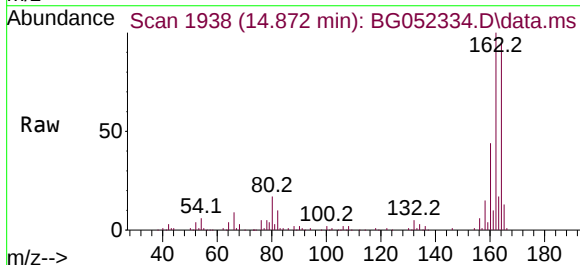
Instrument :
BNA_G
ClientSampleId :
RO-342

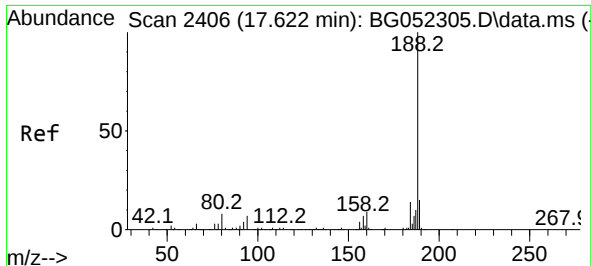
Tgt Ion:165 Resp: 12781
Ion Ratio Lower Upper
165 100
63 2.2 59.0 88.4#
89 3.6 49.4 74.0#



#57
2,4-Dinitrotoluene
Concen: 5.714 ng
RT: 14.872 min Scan# 1938
Delta R.T. -0.348 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion:165 Resp: 12781
Ion Ratio Lower Upper
165 100
63 2.2 44.6 66.8#
89 3.6 67.4 101.0#
182 0.0 1.6 2.4#

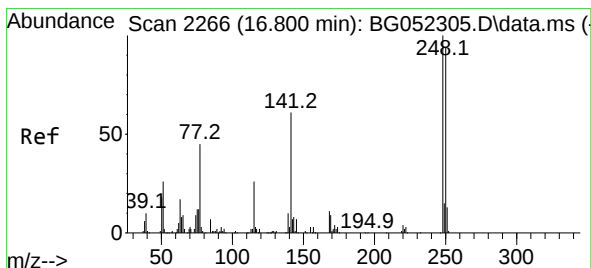
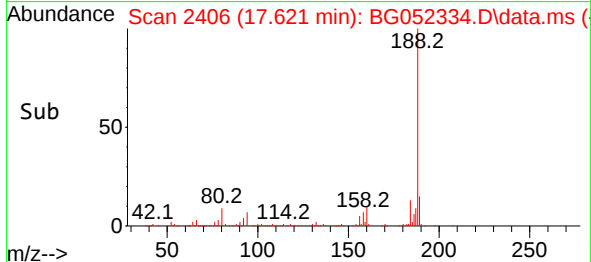
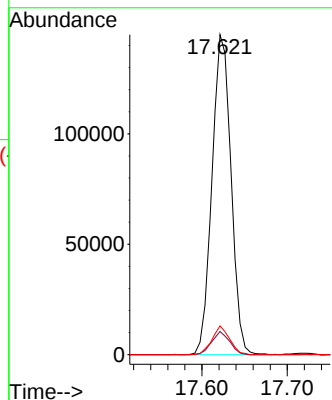
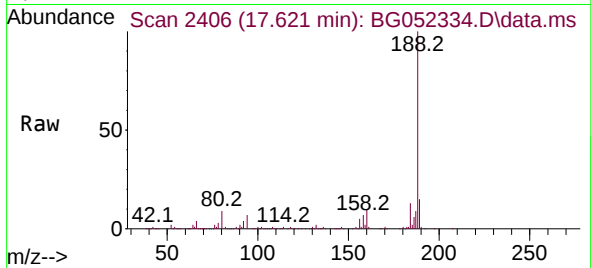




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

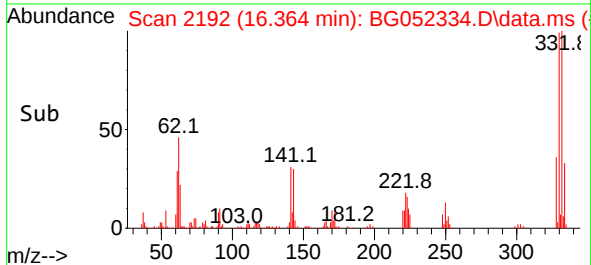
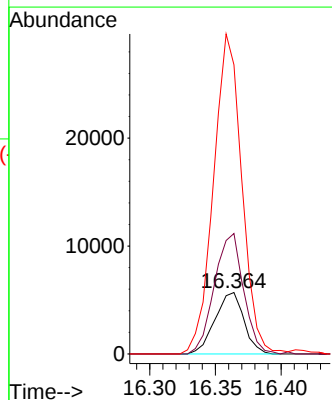
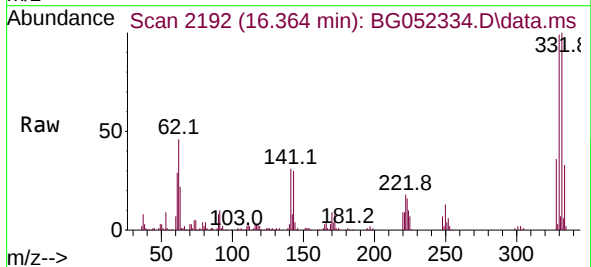
Instrument :
BNA_G
ClientSampleId :
RO-342

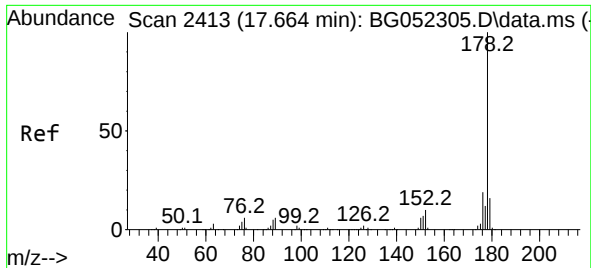
Tgt Ion:188 Resp: 224465
Ion Ratio Lower Upper
188 100
94 7.2 5.9 8.9
80 9.0 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.190 ng
RT: 16.364 min Scan# 2192
Delta R.T. -0.436 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion:248 Resp: 8707
Ion Ratio Lower Upper
248 100
250 196.1 79.6 119.4#
141 470.5 54.6 81.8#

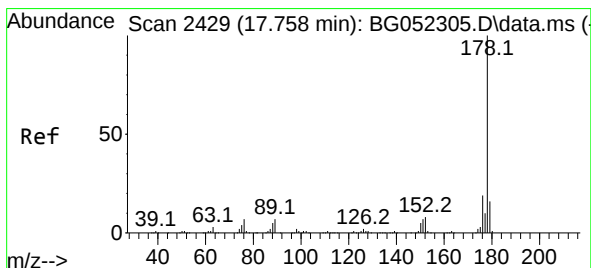
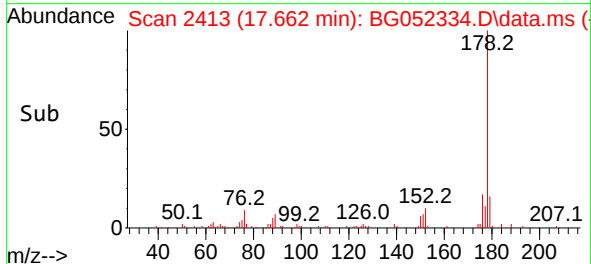
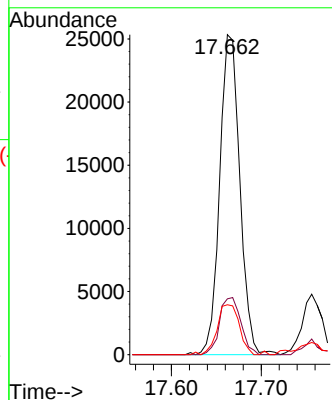
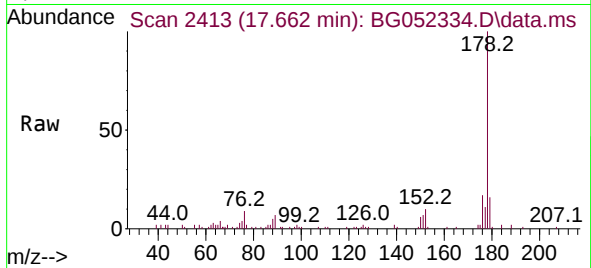




#71
Phenanthrene
Concen: 3.413 ng
RT: 17.662 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

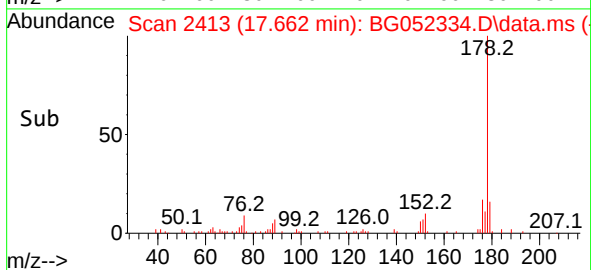
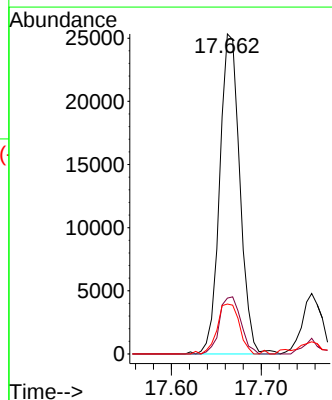
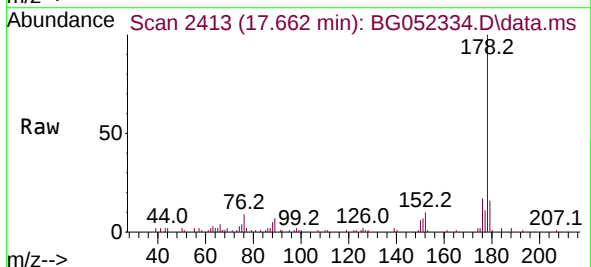
Instrument :
BNA_G
ClientSampleId :
RO-342

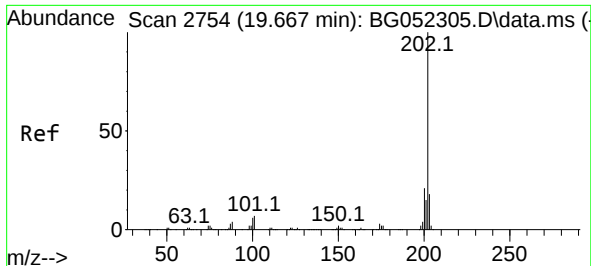
Tgt Ion:178 Resp: 39498
Ion Ratio Lower Upper
178 100
176 17.5 16.6 25.0
179 15.6 12.6 18.8



#72
Anthracene
Concen: 3.483 ng
RT: 17.662 min Scan# 2413
Delta R.T. -0.095 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion:178 Resp: 39498
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 15.6 13.1 19.7

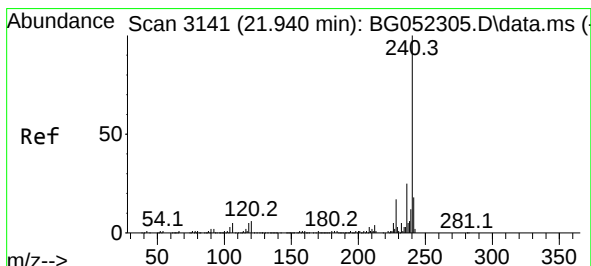
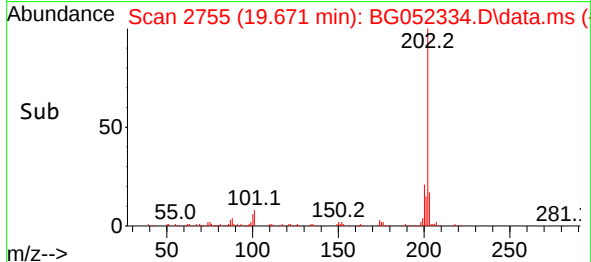
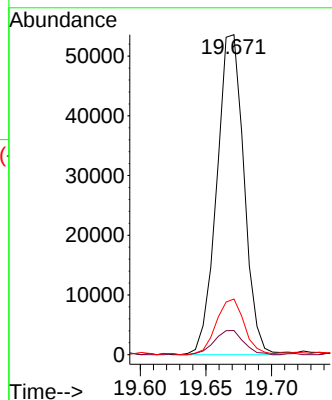
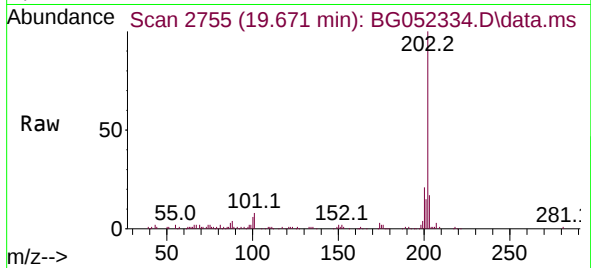




#75
Fluoranthene
Concen: 5.235 ng
RT: 19.671 min Scan# 2755
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

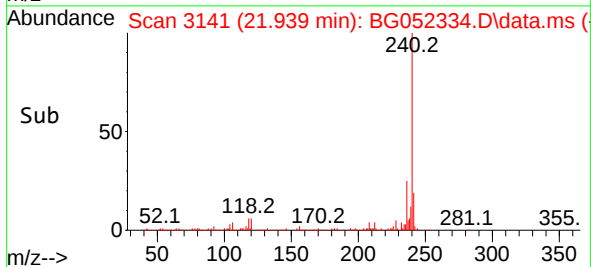
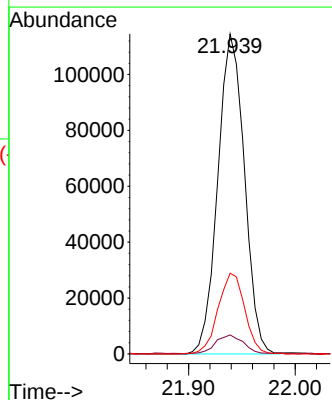
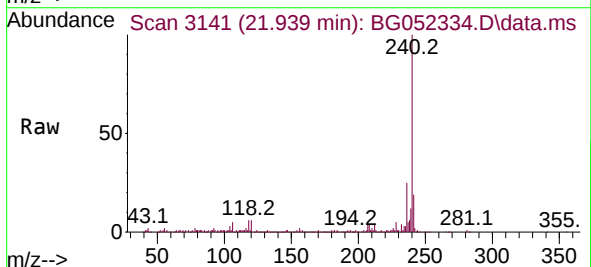
Instrument :
BNA_G
ClientSampleId :
RO-342

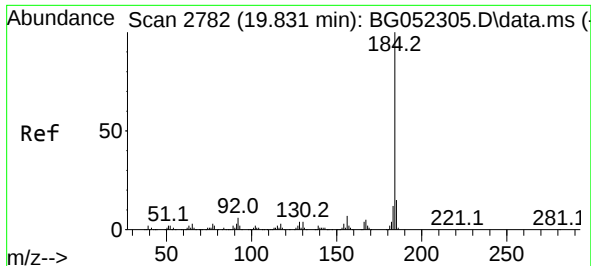
Tgt Ion:202 Resp: 77126
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.1
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3141
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion:240 Resp: 198236
Ion Ratio Lower Upper
240 100
120 5.9 4.4 6.6
236 25.3 20.8 31.2

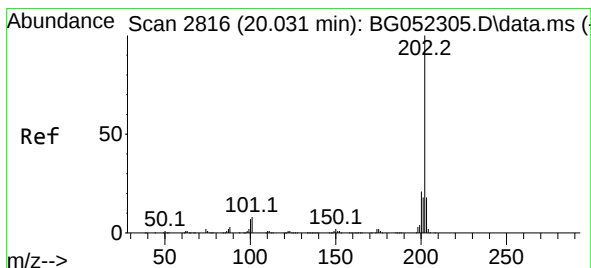
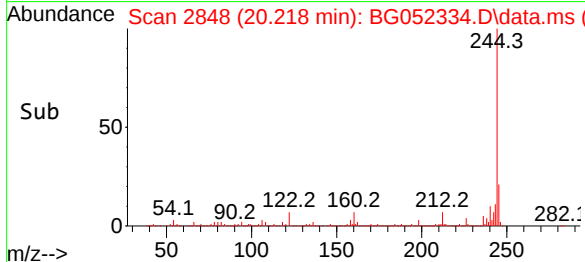
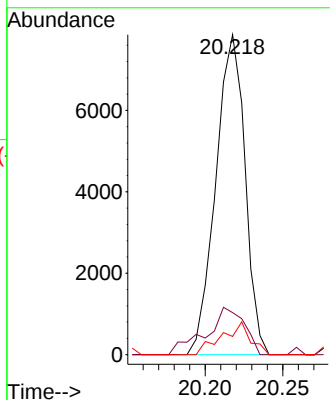
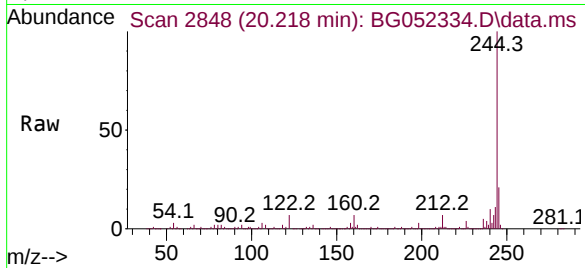




#77
Benzidine
Concen: 2.429 ng
RT: 20.218 min Scan# 21
Delta R.T. 0.386 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

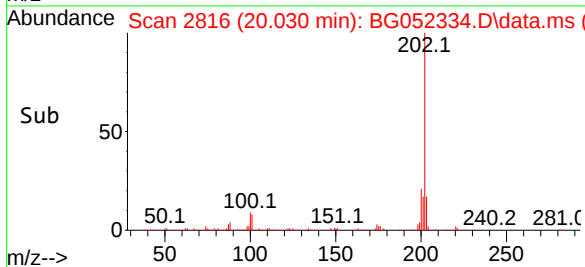
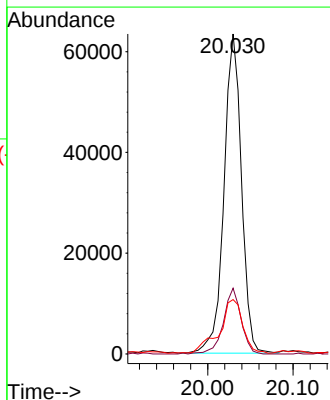
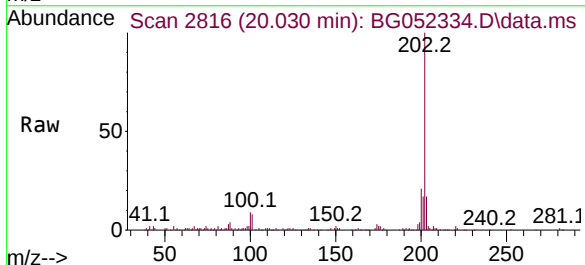
Instrument :
BNA_G
ClientSampleId :
RO-342

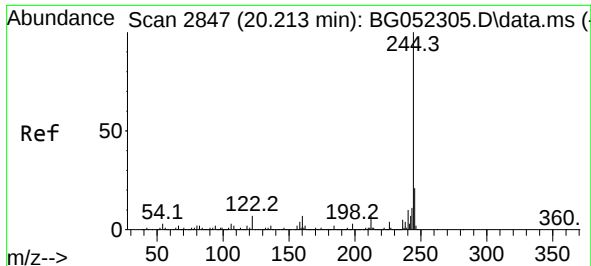
Tgt Ion:184 Resp: 10291
Ion Ratio Lower Upper
184 100
185 13.1 11.8 17.8
183 5.7 9.8 14.6#



#78
Pyrene
Concen: 6.796 ng
RT: 20.030 min Scan# 2816
Delta R.T. -0.001 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

Tgt Ion:202 Resp: 90150
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.0 14.5 21.7





#79

Terphenyl-d14

Concen: 60.288 ng

RT: 20.218 min Scan# 2

Delta R.T. 0.005 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

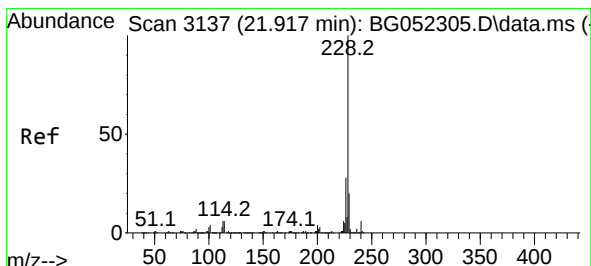
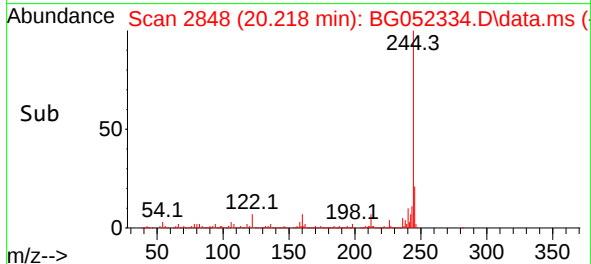
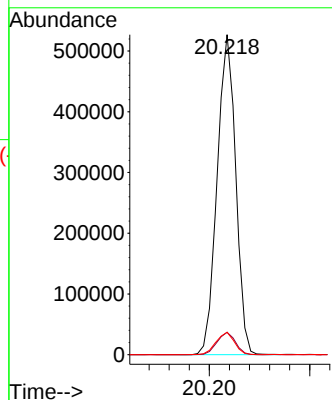
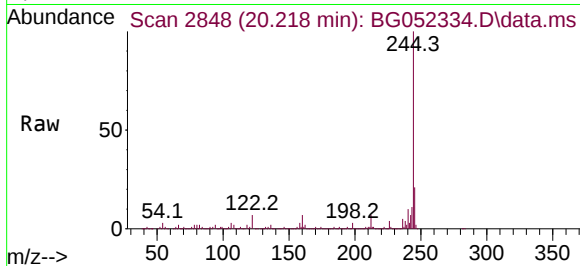
Tgt Ion:244 Resp: 676798

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 7.0 6.2 9.4



#81

Benzo(a)anthracene

Concen: 2.898 ng

RT: 21.921 min Scan# 3138

Delta R.T. 0.005 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

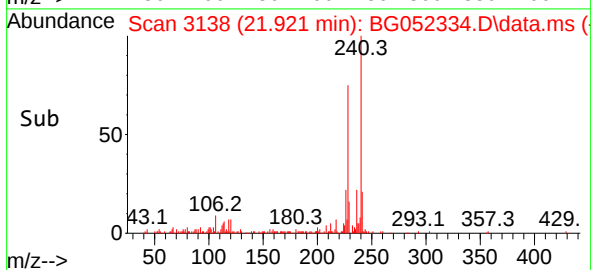
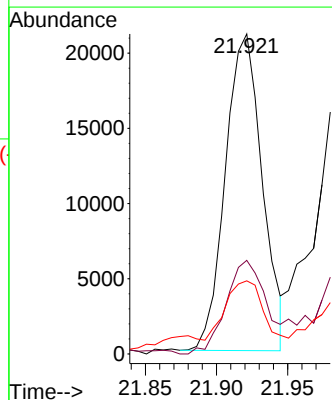
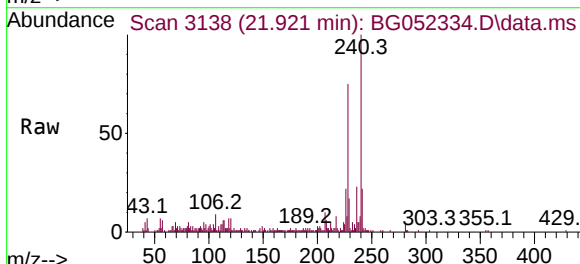
Tgt Ion:228 Resp: 38019

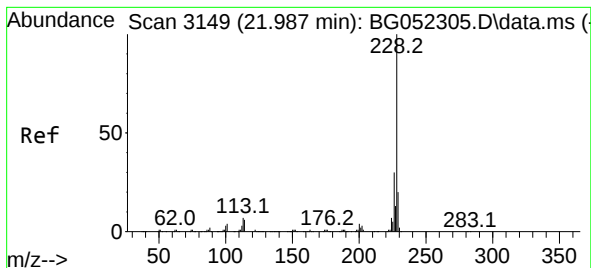
Ion Ratio Lower Upper

228 100

226 29.3 21.6 32.4

229 22.9 16.0 24.0





#83

Chrysene

Concen: 3.208 ng

RT: 21.986 min Scan# 3149

Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

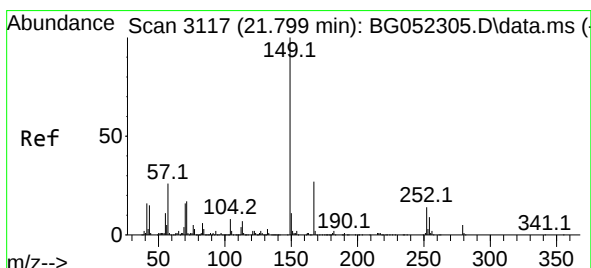
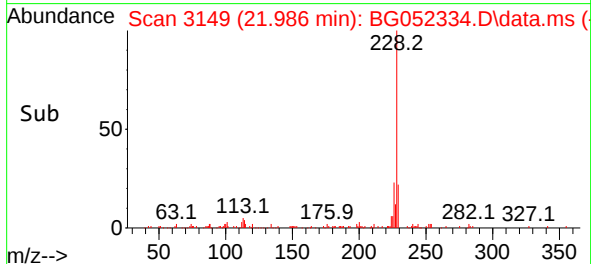
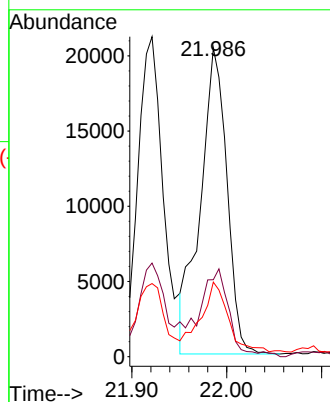
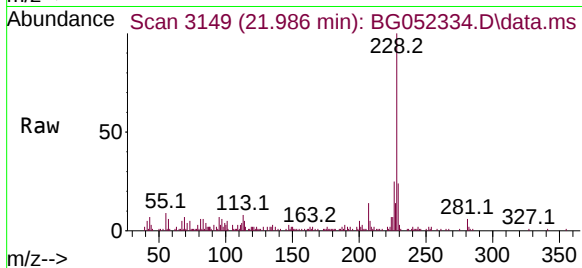
Tgt Ion:228 Resp: 39879

Ion Ratio Lower Upper

228 100

226 24.9 24.1 36.1

229 24.1 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.622 ng

RT: 21.798 min Scan# 3117

Delta R.T. -0.001 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

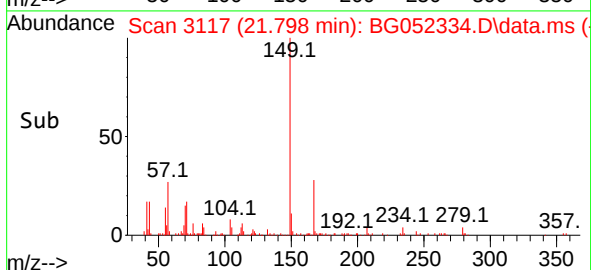
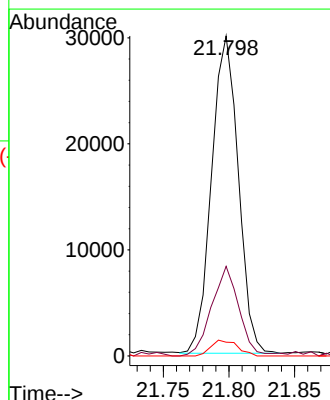
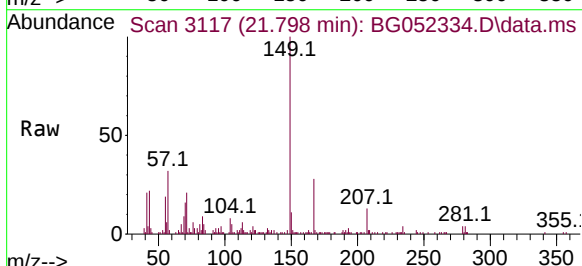
Tgt Ion:149 Resp: 42307

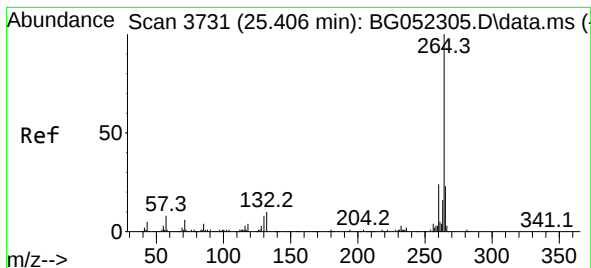
Ion Ratio Lower Upper

149 100

167 28.0 21.4 32.0

279 4.3 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.422 min Scan# 31

Delta R.T. 0.016 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

Instrument :

BNA_G

ClientSampleId :

RO-342

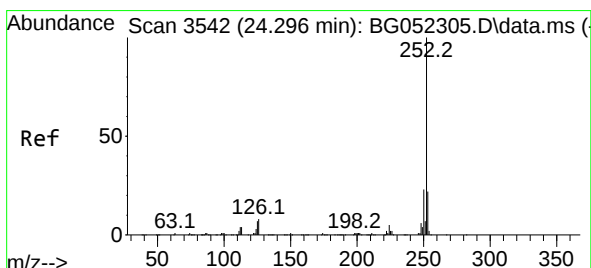
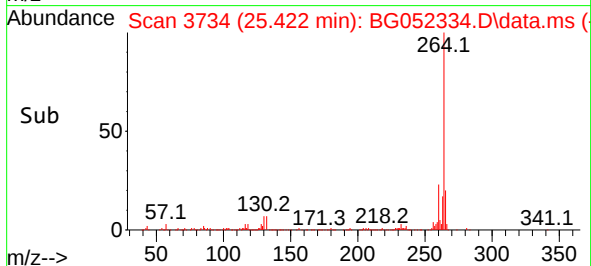
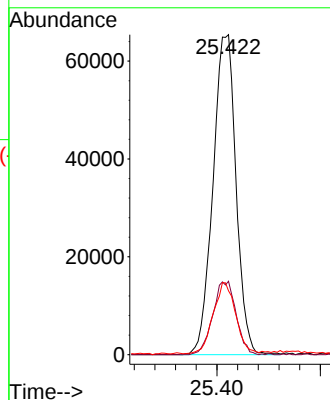
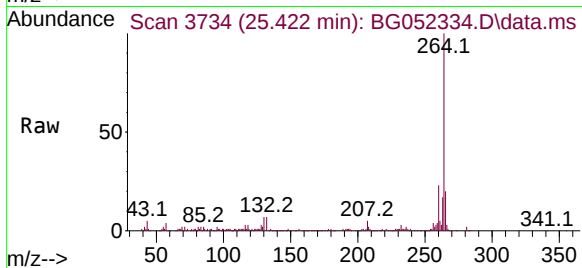
Tgt Ion:264 Resp: 202532

Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 20.0 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 4.129 ng

RT: 24.306 min Scan# 3544

Delta R.T. 0.011 min

Lab File: BG052334.D

Acq: 9 Feb 2022 14:32

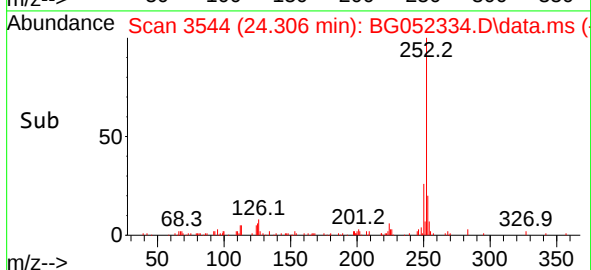
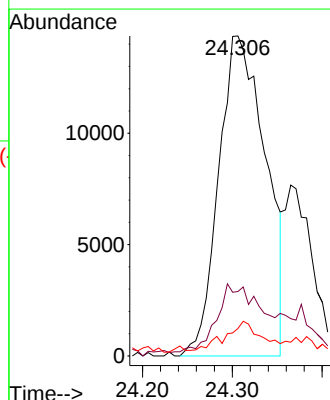
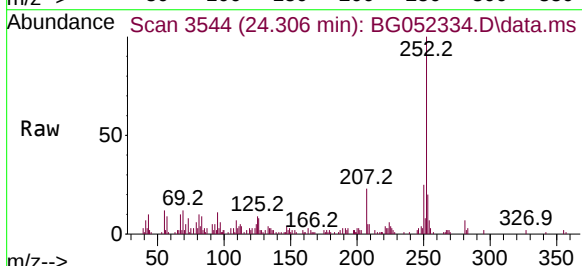
Tgt Ion:252 Resp: 52113

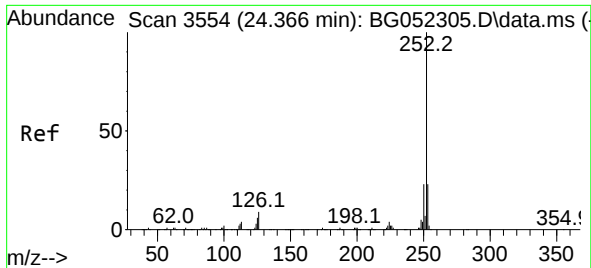
Ion Ratio Lower Upper

252 100

253 20.1 18.3 27.5

125 8.6 5.4 8.2#

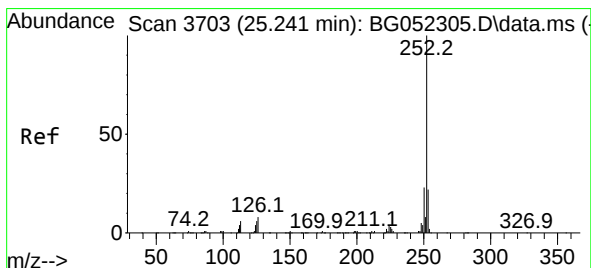
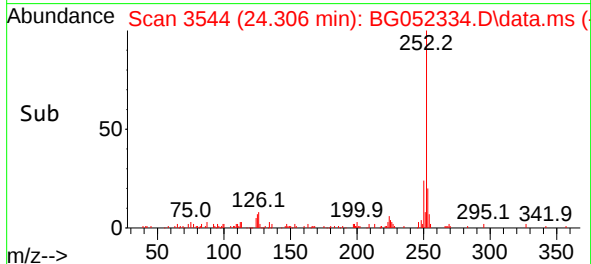
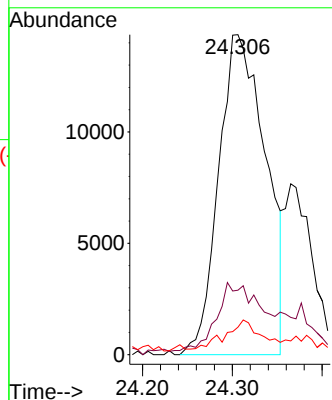
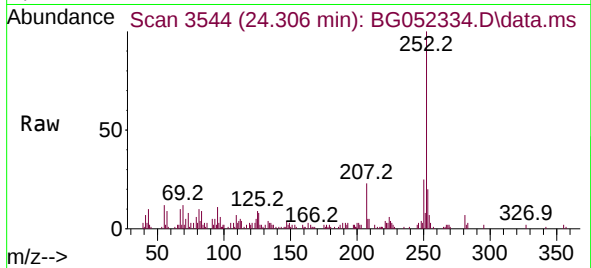




#89
Benzo(k)fluoranthene
Concen: 4.180 ng
RT: 24.306 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

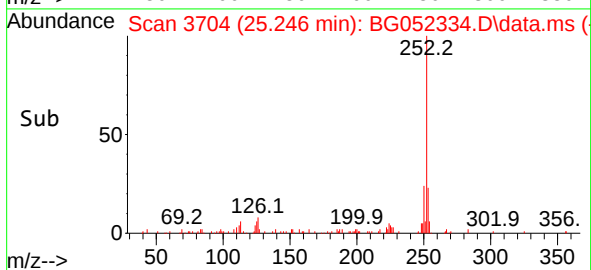
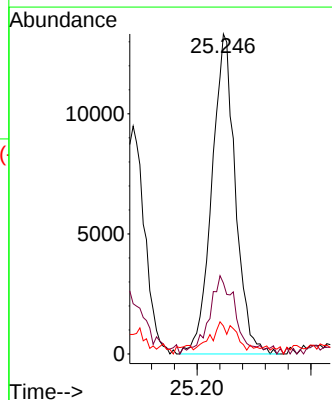
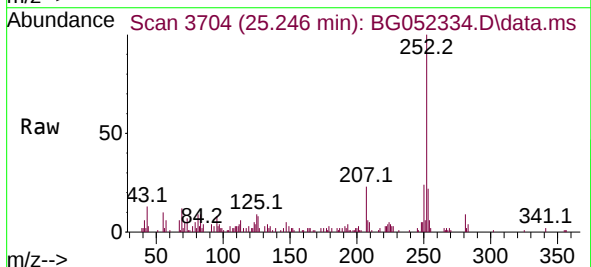
Instrument :
BNA_G
ClientSampleId :
RO-342

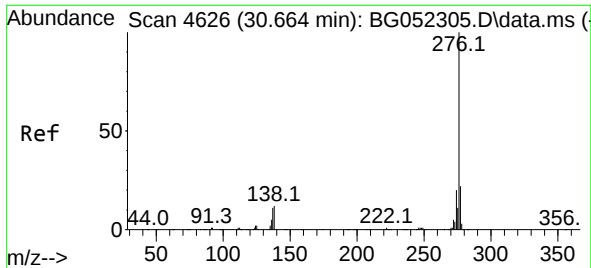
Tgt Ion:252 Resp: 52113
Ion Ratio Lower Upper
252 100
253 20.1 17.3 25.9
125 8.6 4.6 7.0#



#90
Benzo(a)pyrene
Concen: 3.592 ng
RT: 25.246 min Scan# 3704
Delta R.T. 0.005 min
Lab File: BG052334.D
Acq: 9 Feb 2022 14:32

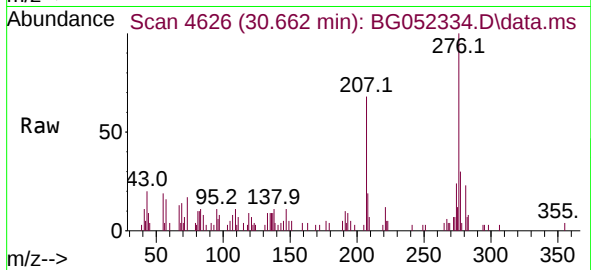
Tgt Ion:252 Resp: 38296
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.8 5.0 7.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.256 ng
 RT: 30.662 min Scan# 4
 Delta R.T. -0.001 min
 Lab File: BG052334.D
 Acq: 9 Feb 2022 14:32

Instrument :
 BNA_G
 ClientSampleId :
 RO-342



Tgt Ion:276 Resp: 27103
 Ion Ratio Lower Upper
 276 100
 277 29.6 18.2 27.2#
 138 14.7 9.1 13.7#

