

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
 Data File : BG052321.D
 Acq On : 8 Feb 2022 16:18
 Operator : CG/JU
 Sample : N1401-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

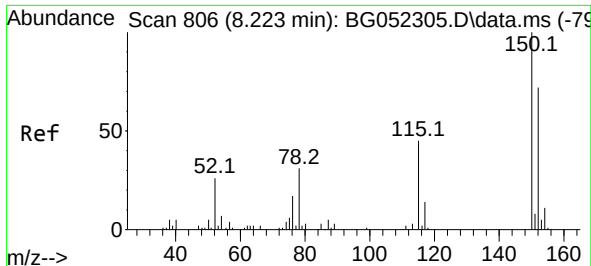
Instrument :
 BNA_G
 ClientSampleId :
 RO-124030

Quant Time: Feb 08 17:37:21 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	35201	20.000	ng	0.00
21) Naphthalene-d8	11.071	136	148288	20.000	ng	# 0.00
39) Acenaphthene-d10	14.878	164	99589	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	205357	20.000	ng	0.00
76) Chrysene-d12	21.939	240	171316	20.000	ng	0.00
86) Perylene-d12	25.422	264	167305	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.760	112	235888	116.792	ng	0.01
7) Phenol-d6	7.376	99	340629	109.305	ng	0.00
23) Nitrobenzene-d5	9.403	82	246891	72.360	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	157032	109.755	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	489965	68.363	ng	0.00
79) Terphenyl-d14	20.217	244	550047	56.697	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.399	94	8989	2.903	ng	# 79
19) n-Nitroso-di-n-propyla...	9.403	70	34113	14.520	ng	# 73
41) Hexachlorocyclopentadiene	13.468	237	53	5.291	ng	# 25
51) 2,6-Dinitrotoluene	14.878	165	13781	8.371	ng	# 19
57) 2,4-Dinitrotoluene	14.878	165	13781	5.881	ng	# 17
67) 4-Bromophenyl-phenylether	16.358	248	10011	4.009	ng	# 1
71) Phenanthrene	17.668	178	38271	3.615	ng	99
72) Anthracene	17.668	178	38271	3.689	ng	96
75) Fluoranthene	19.671	202	50495	3.746	ng	98
77) Benzidine	20.217	184	9621	2.628	ng	96
78) Pyrene	20.029	202	43819	3.823	ng	97
84) Bis(2-ethylhexyl)phtha...	21.798	149	13295	2.408	ng	# 92
88) Benzo(b)fluoranthene	24.300	252	31204	2.993	ng	# 93
89) Benzo(k)fluoranthene	24.300	252	31204	3.030	ng	# 95

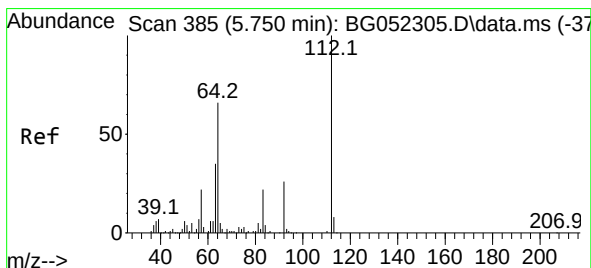
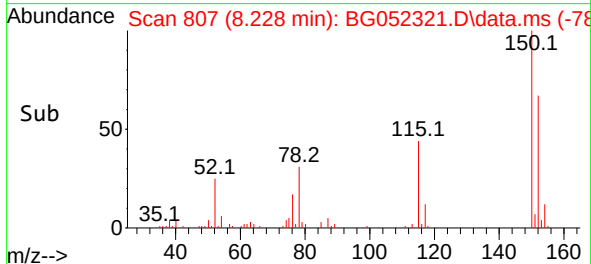
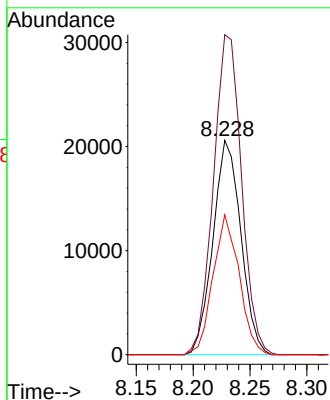
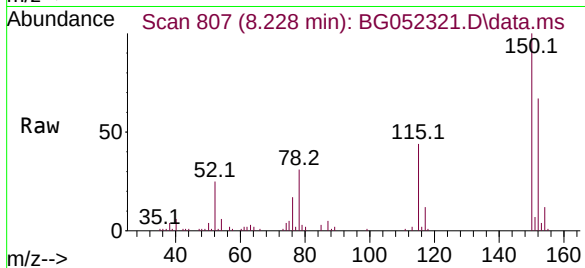
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 806
Delta R.T. 0.005 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

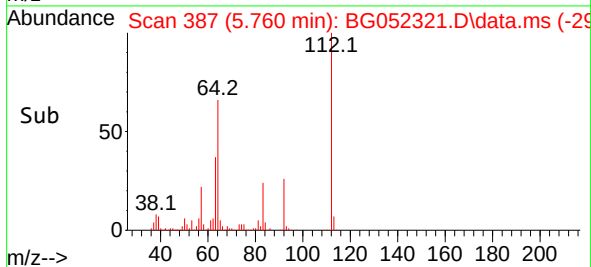
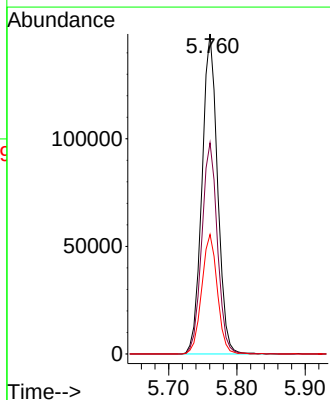
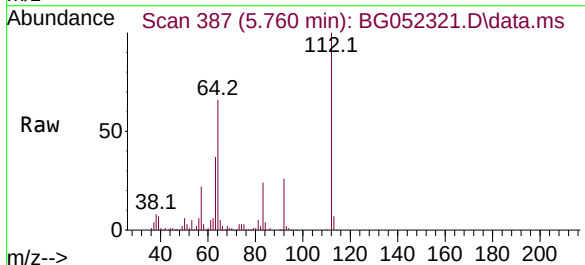
Instrument :
BNA_G
ClientSampleId :
RO-124030

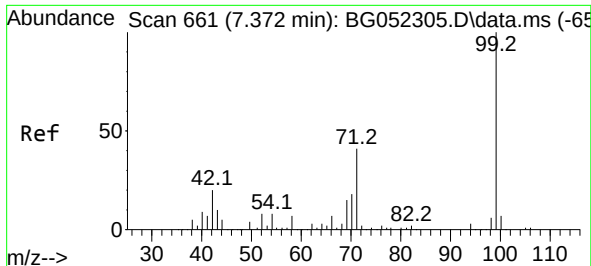
Tgt Ion:152 Resp: 35201
Ion Ratio Lower Upper
152 100
150 149.4 117.8 176.8
115 65.3 50.2 75.2



#5
2-Fluorophenol
Concen: 116.792 ng
RT: 5.760 min Scan# 387
Delta R.T. 0.010 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:112 Resp: 235888
Ion Ratio Lower Upper
112 100
64 66.0 60.4 90.6
63 37.3 33.3 49.9

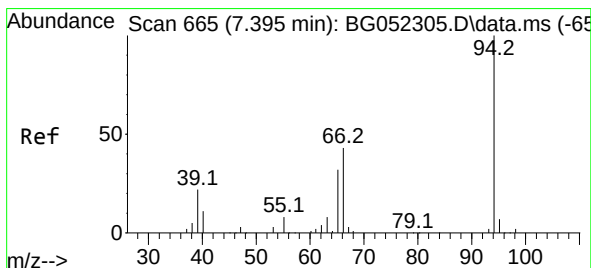
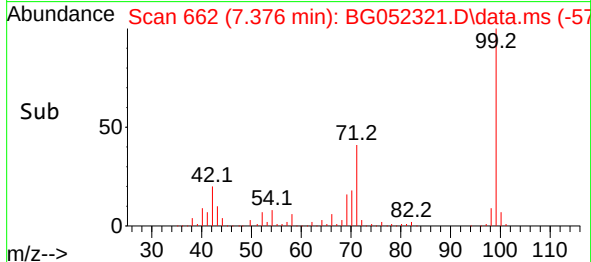
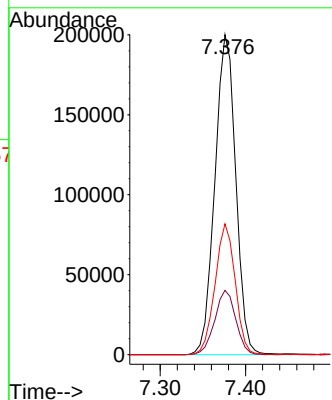
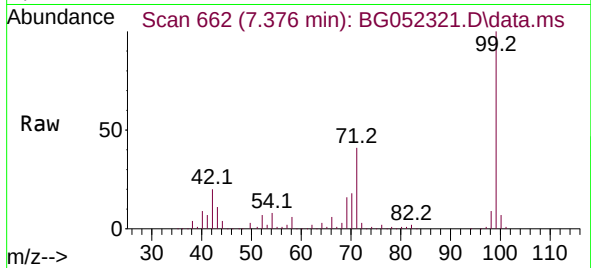




#7
Phenol-d6
Concen: 109.305 ng
RT: 7.376 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

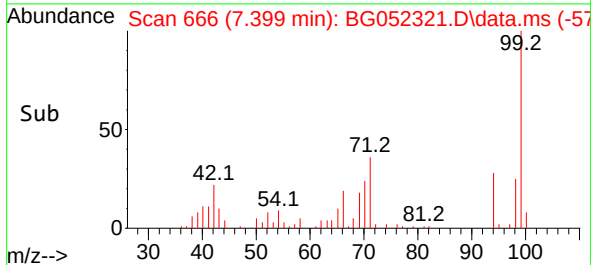
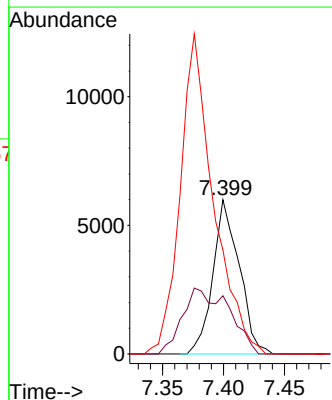
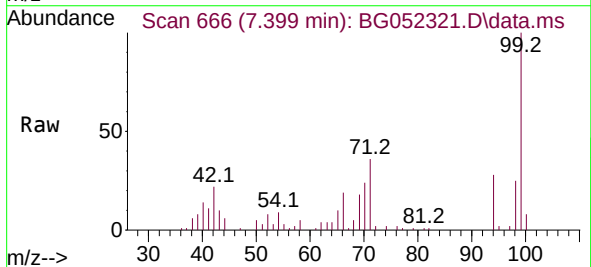
Instrument :
BNA_G
ClientSampleId :
RO-124030

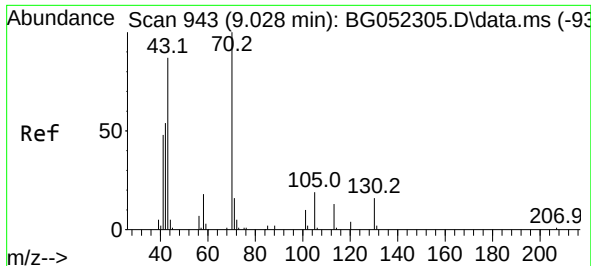
Tgt Ion: 99 Resp: 340629
Ion Ratio Lower Upper
99 100
42 20.1 19.1 28.7
71 40.9 33.4 50.2



#10
Phenol
Concen: 2.903 ng
RT: 7.399 min Scan# 666
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion: 94 Resp: 8989
Ion Ratio Lower Upper
94 100
65 37.7 14.1 54.1
66 67.5 26.6 66.6#

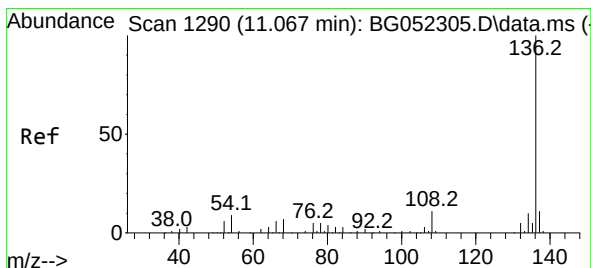
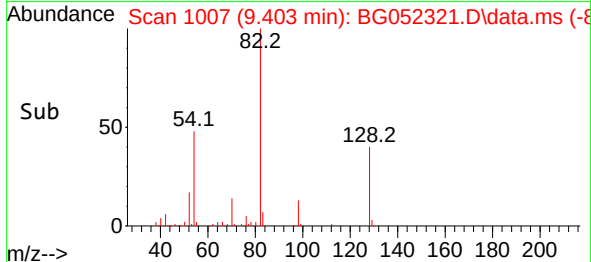
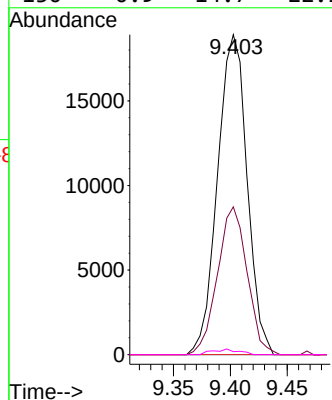
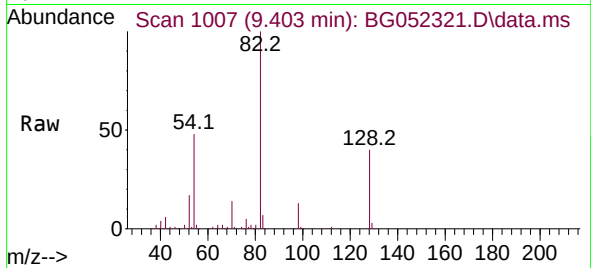




#19
n-Nitroso-di-n-propylamine
Concen: 14.520 ng
RT: 9.403 min Scan# 1007
Delta R.T. 0.374 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

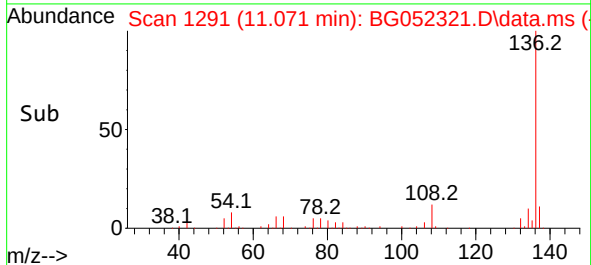
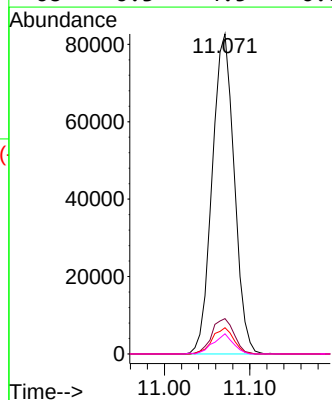
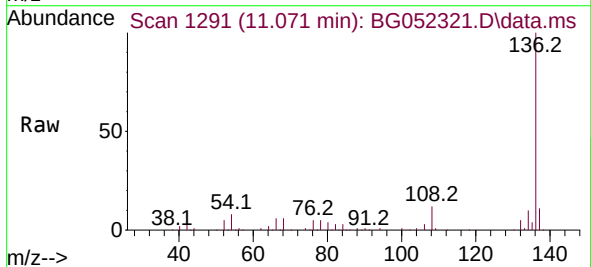
Instrument :
BNA_G
ClientSampleId :
RO-124030

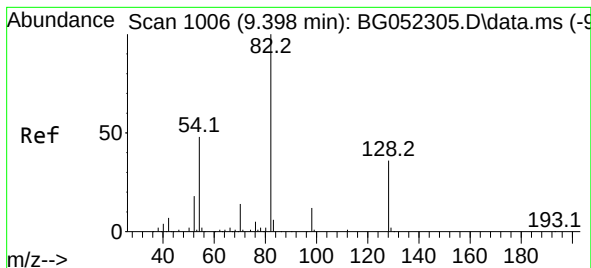
Tgt Ion: 70 Resp: 34113
Ion Ratio Lower Upper
70 100
42 46.2 51.8 77.6#
101 0.0 6.6 10.0#
130 0.9 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.071 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion: 136 Resp: 148288
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.2 8.3 12.5#
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 72.360 ng

RT: 9.403 min Scan# 1007

Delta R.T. 0.004 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

Instrument :

BNA_G

ClientSampleId :

RO-124030

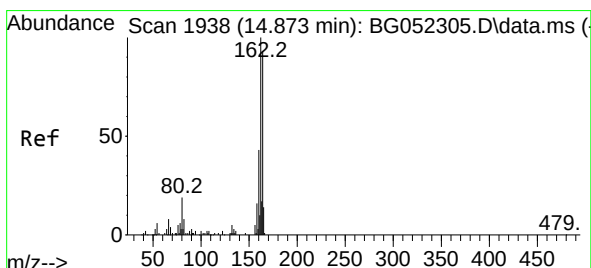
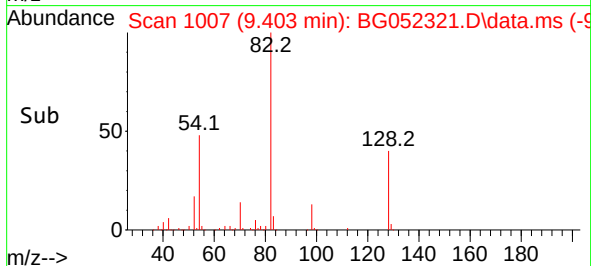
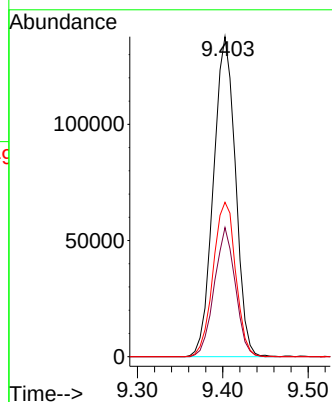
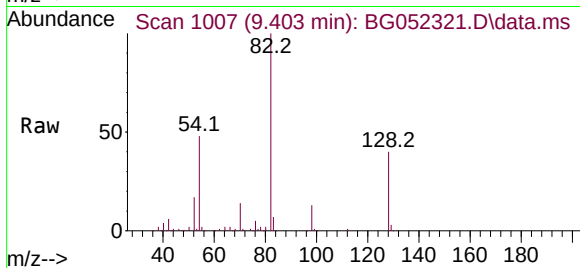
Tgt Ion: 82 Resp: 246891

Ion Ratio Lower Upper

82 100

128 40.4 27.0 40.4

54 48.3 41.0 61.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.878 min Scan# 1939

Delta R.T. 0.005 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

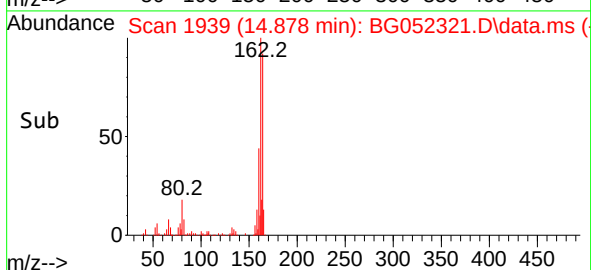
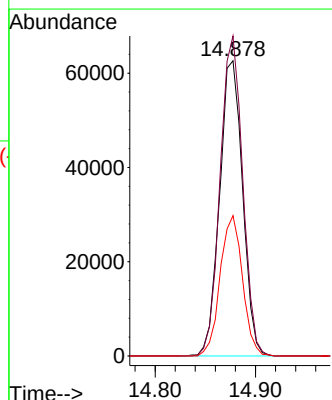
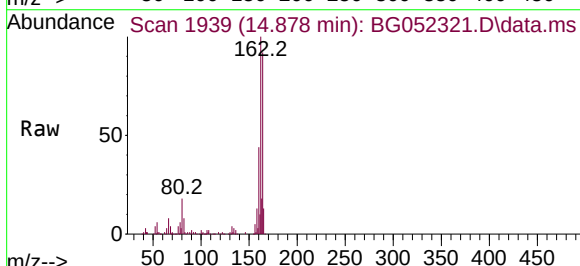
Tgt Ion: 164 Resp: 99589

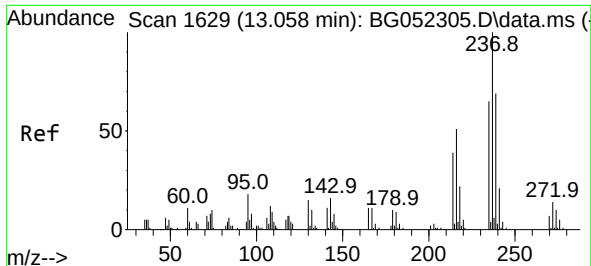
Ion Ratio Lower Upper

164 100

162 108.4 82.2 123.2

160 47.6 36.2 54.2

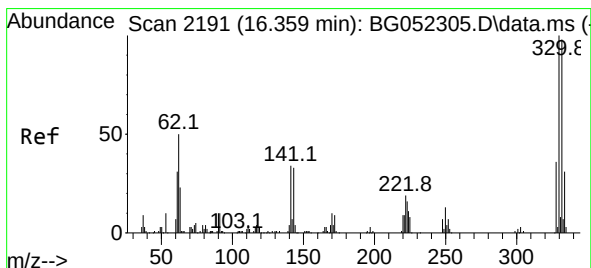
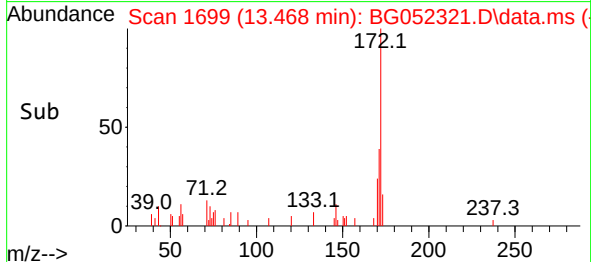
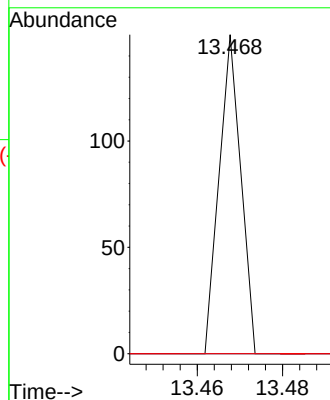
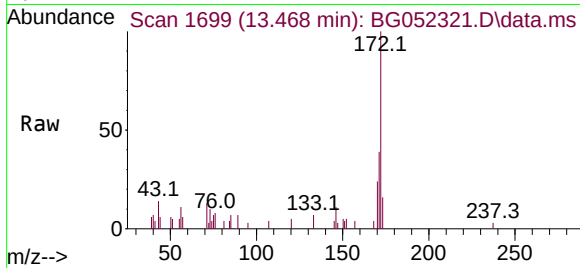




#41
Hexachlorocyclopentadiene
Concen: 5.291 ng
RT: 13.468 min Scan# 1
Delta R.T. 0.410 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

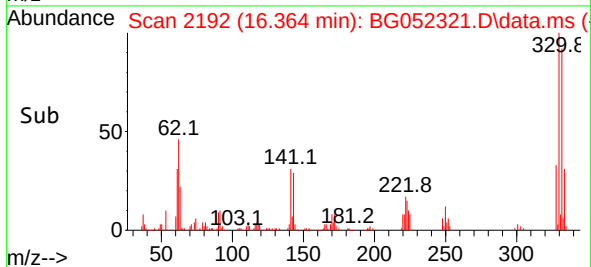
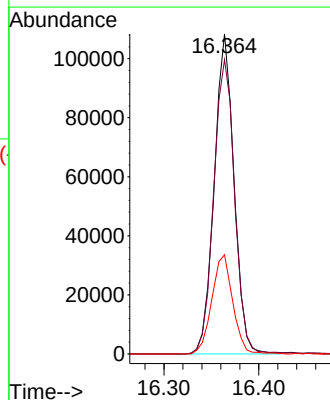
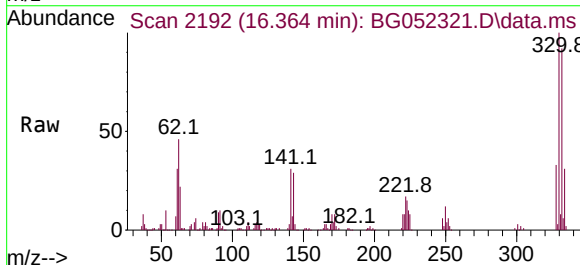
Instrument :
BNA_G
ClientSampleId :
RO-124030

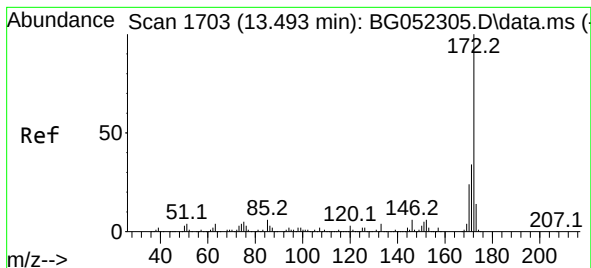
Tgt Ion:237 Resp: 53
Ion Ratio Lower Upper
237 100
235 0.0 45.9 85.9#
272 0.0 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 109.755 ng
RT: 16.364 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:330 Resp: 157032
Ion Ratio Lower Upper
330 100
332 97.3 78.6 117.8
141 32.8 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 68.363 ng

RT: 13.497 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

Instrument :

BNA_G

ClientSampleId :

RO-124030

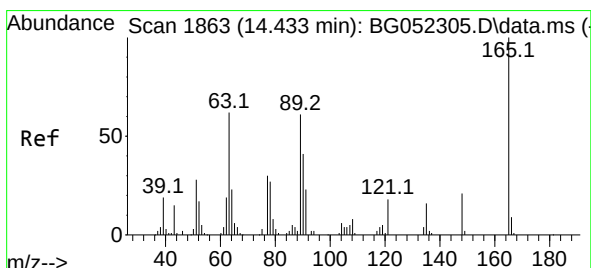
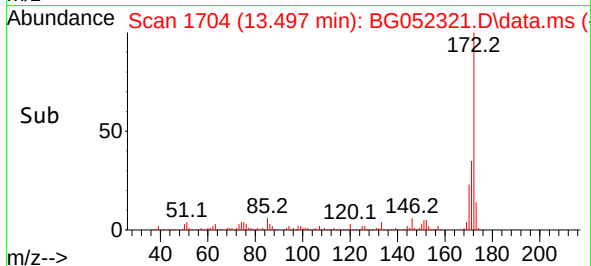
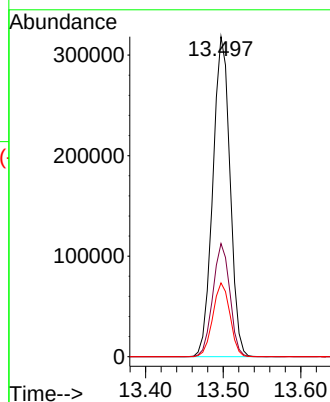
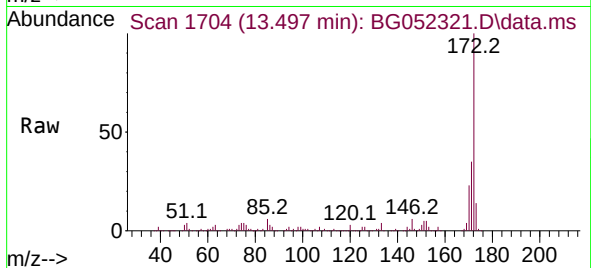
Tgt Ion:172 Resp: 489965

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.1 18.3 27.5



#51

2,6-Dinitrotoluene

Concen: 8.371 ng

RT: 14.878 min Scan# 1939

Delta R.T. 0.445 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

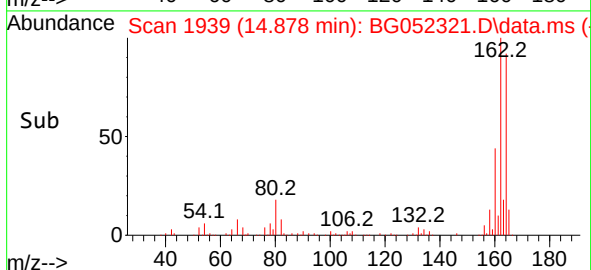
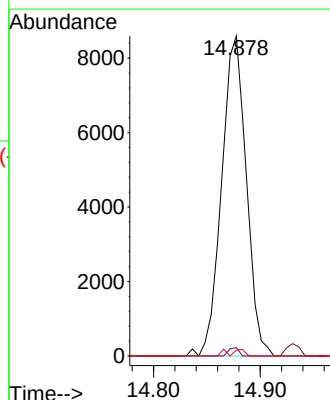
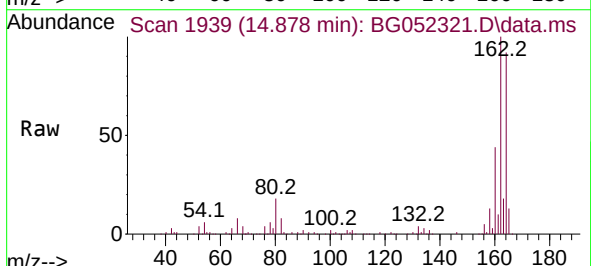
Tgt Ion:165 Resp: 13781

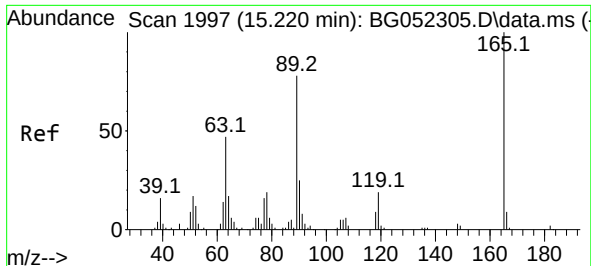
Ion Ratio Lower Upper

165 100

63 2.6 59.0 88.4#

89 1.9 49.4 74.0#

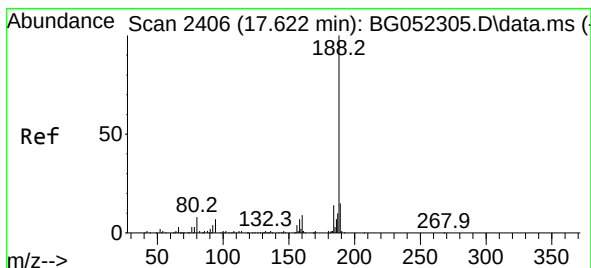
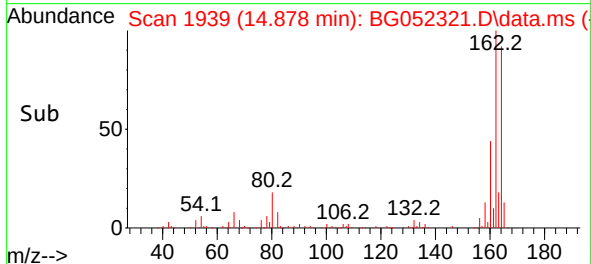
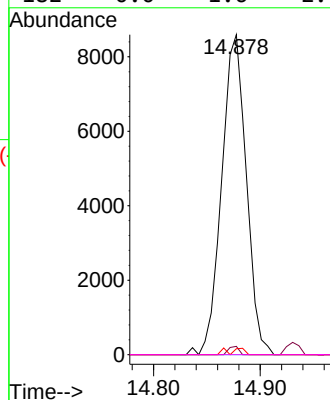
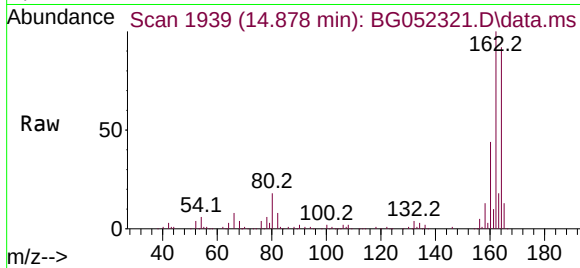




#57
2,4-Dinitrotoluene
Concen: 5.881 ng
RT: 14.878 min Scan# 1997
Delta R.T. -0.342 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

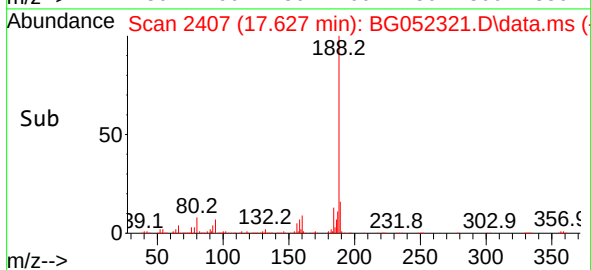
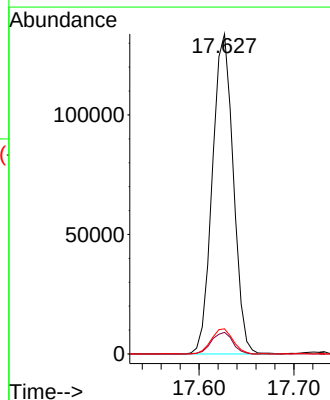
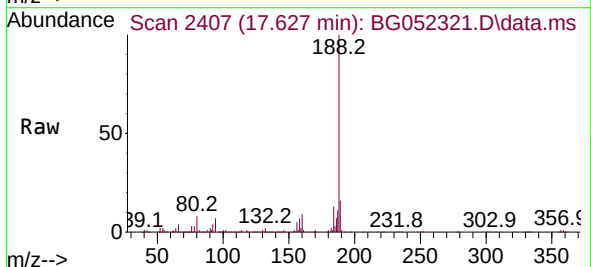
Instrument :
BNA_G
ClientSampleId :
RO-124030

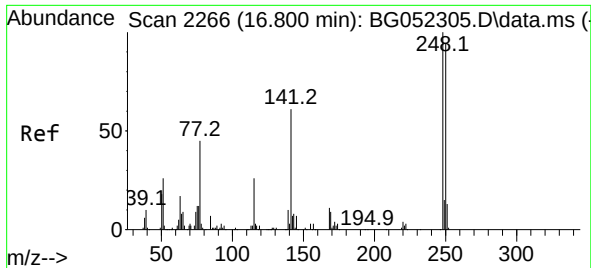
Tgt Ion:165 Resp: 13781
Ion Ratio Lower Upper
165 100
63 2.6 44.6 66.8#
89 1.9 67.4 101.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.627 min Scan# 2407
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:188 Resp: 205357
Ion Ratio Lower Upper
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94 6.8 5.9 8.9
80 7.9 6.6 10.0

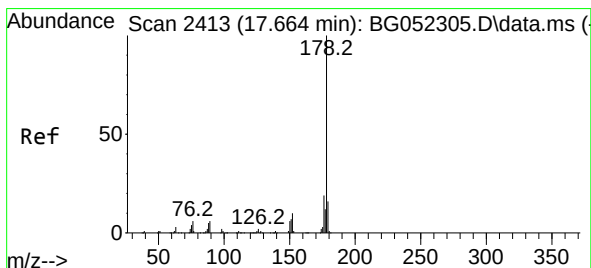
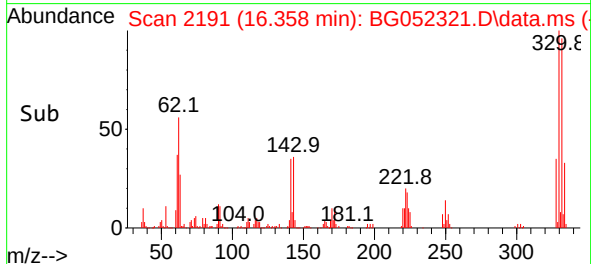
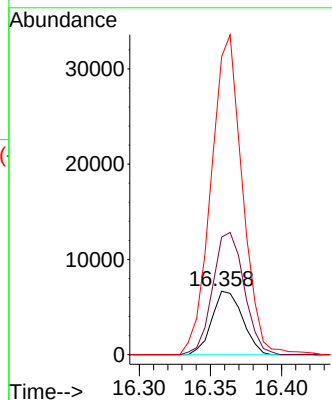
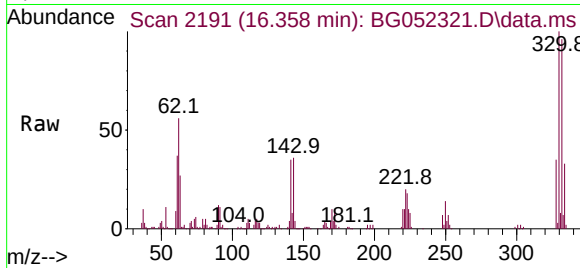




#67
4-Bromophenyl-phenylether
Concen: 4.009 ng
RT: 16.358 min Scan# 2191
Delta R.T. -0.442 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

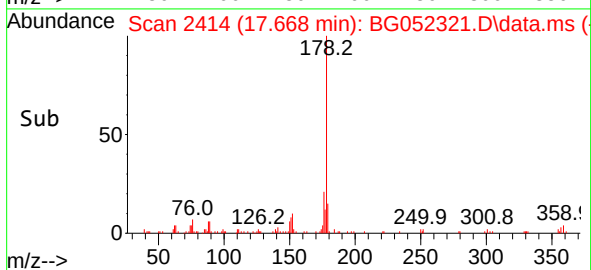
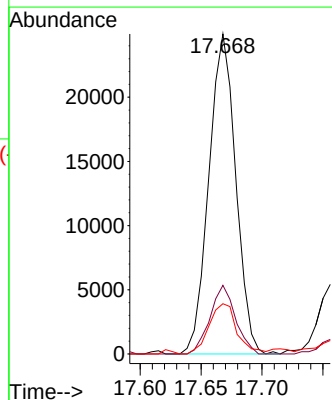
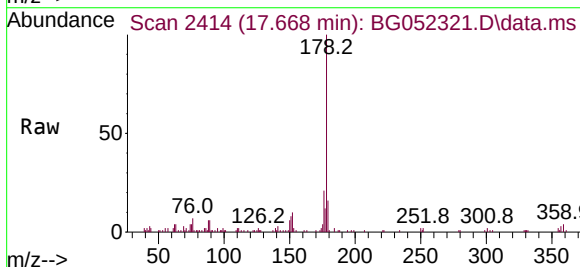
Instrument :
BNA_G
ClientSampleId :
RO-124030

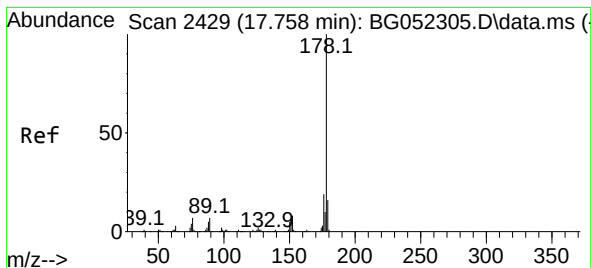
Tgt Ion:248 Resp: 10011
Ion Ratio Lower Upper
248 100
250 185.4 79.6 119.4#
141 469.5 54.6 81.8#



#71
Phenanthrene
Concen: 3.615 ng
RT: 17.668 min Scan# 2414
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:178 Resp: 38271
Ion Ratio Lower Upper
178 100
176 21.4 16.6 25.0
179 15.7 12.6 18.8





#72

Anthracene

Concen: 3.689 ng

RT: 17.668 min Scan# 24

Delta R.T. -0.090 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

Instrument :

BNA_G

ClientSampleId :

RO-124030

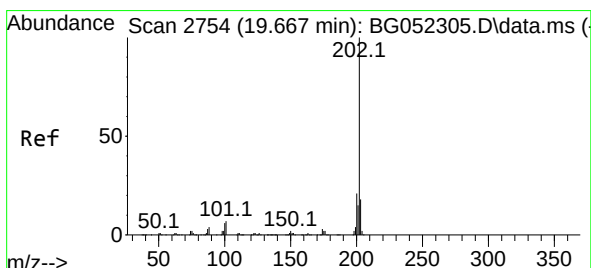
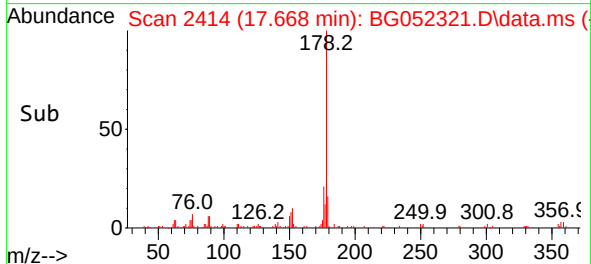
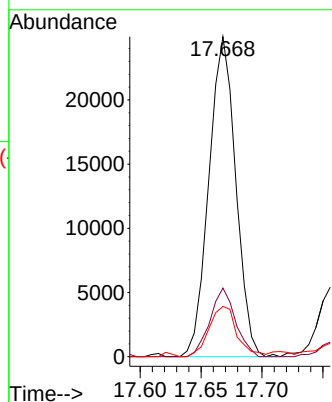
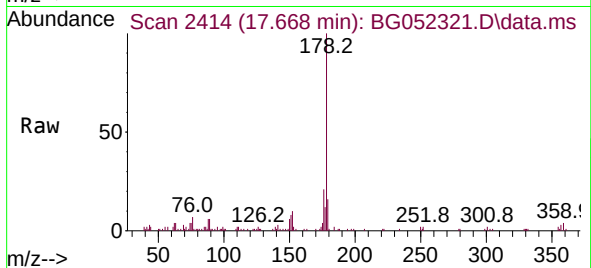
Tgt Ion:178 Resp: 38271

Ion Ratio Lower Upper

178 100

176 21.4 15.3 22.9

179 15.7 13.1 19.7



#75

Fluoranthene

Concen: 3.746 ng

RT: 19.671 min Scan# 2755

Delta R.T. 0.004 min

Lab File: BG052321.D

Acq: 8 Feb 2022 16:18

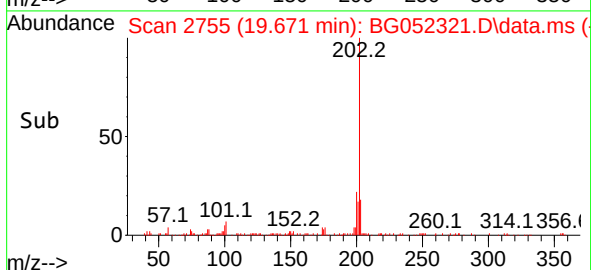
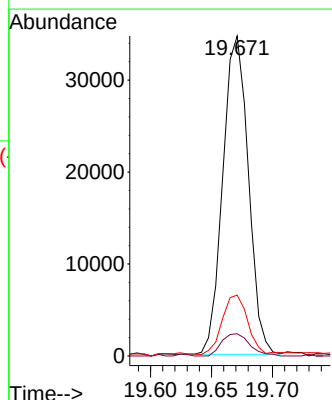
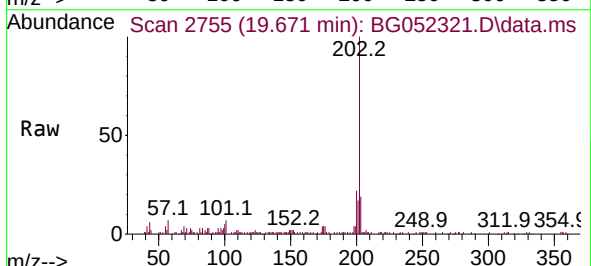
Tgt Ion:202 Resp: 50495

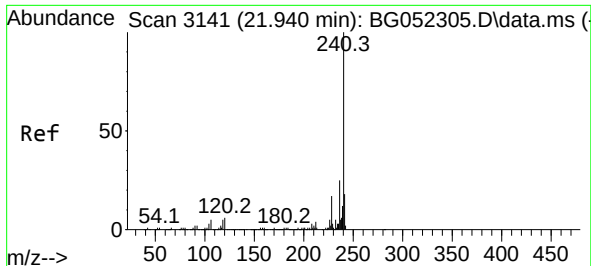
Ion Ratio Lower Upper

202 100

101 6.9 0.0 27.1

203 19.0 0.0 37.8

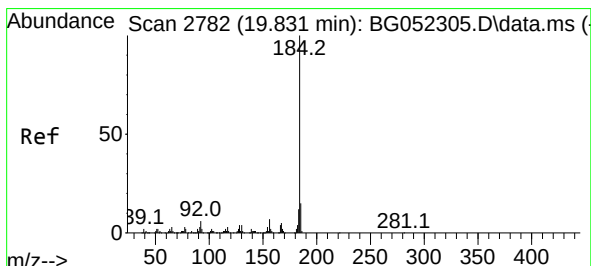
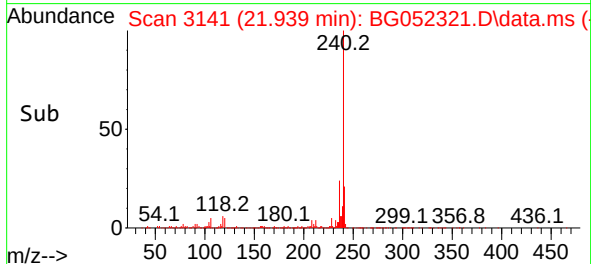
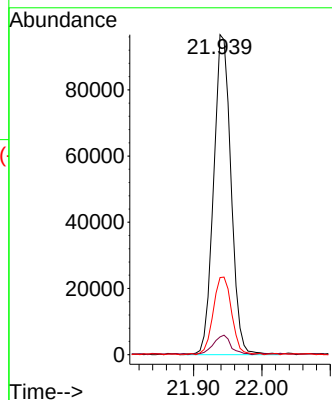
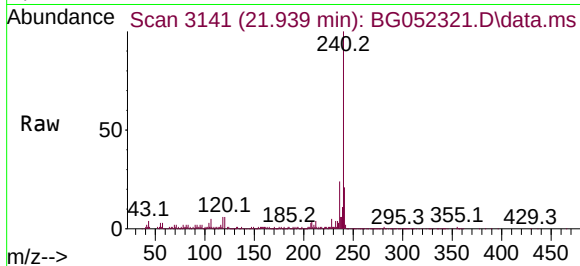




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3141
Delta R.T. -0.002 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

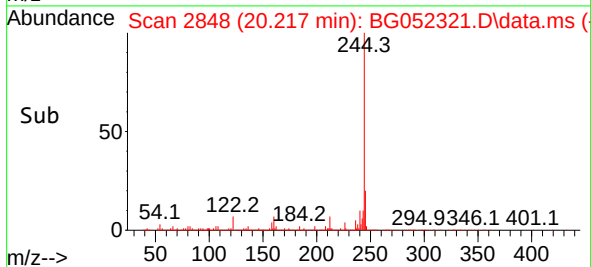
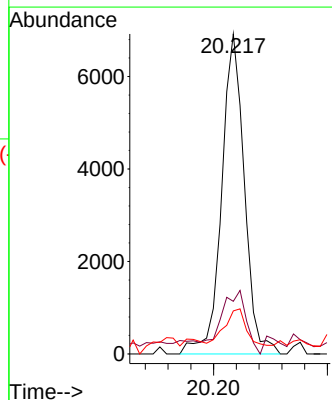
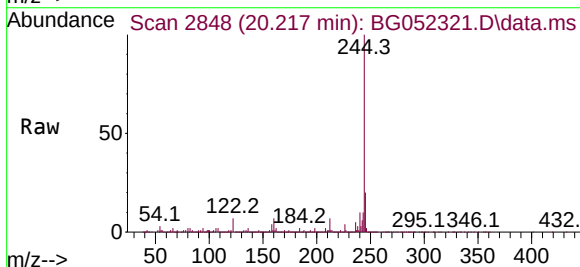
Instrument :
BNA_G
ClientSampleId :
RO-124030

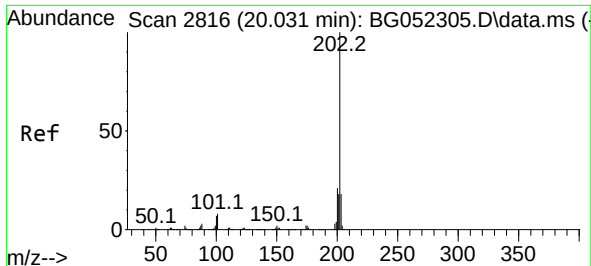
Tgt Ion:240 Resp: 171316
Ion Ratio Lower Upper
240 100
120 5.5 4.4 6.6
236 24.1 20.8 31.2



#77
Benzidine
Concen: 2.628 ng
RT: 20.217 min Scan# 2848
Delta R.T. 0.386 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:184 Resp: 9621
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.8
183 13.4 9.8 14.6

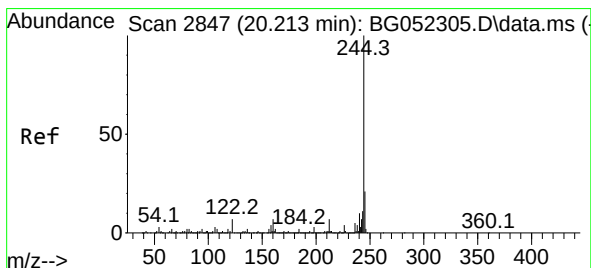
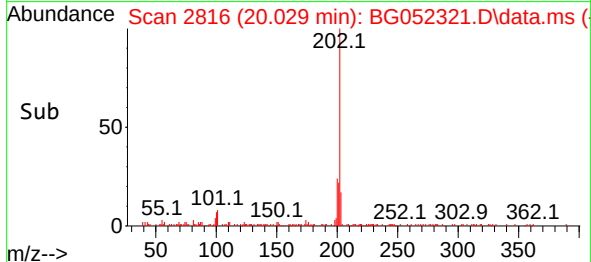
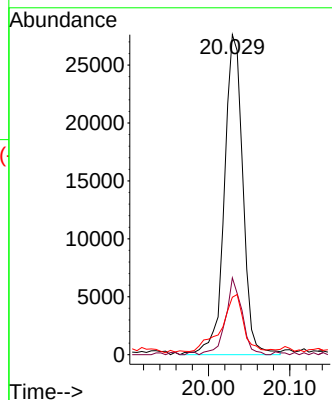
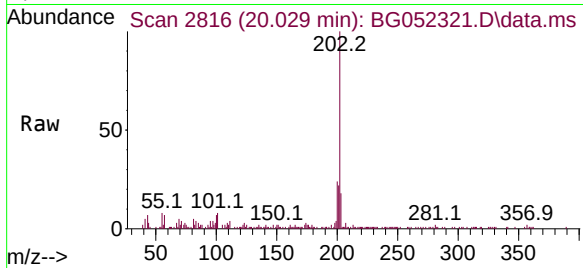




#78
 Pyrene
 Concen: 3.823 ng
 RT: 20.029 min Scan# 2816
 Delta R.T. -0.002 min
 Lab File: BG052321.D
 Acq: 8 Feb 2022 16:18

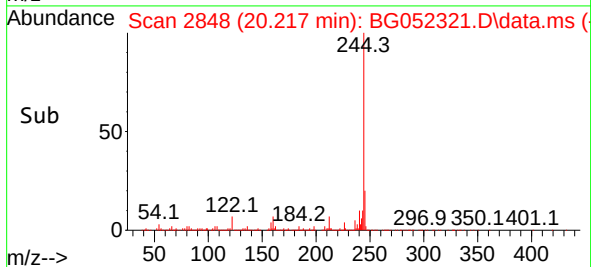
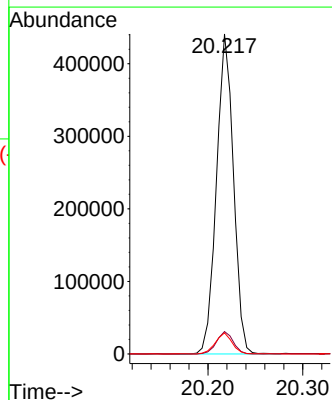
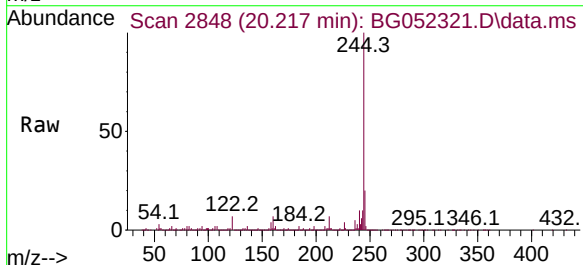
Instrument :
 BNA_G
 ClientSampleId :
 RO-124030

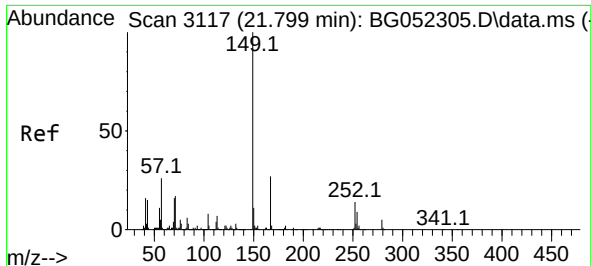
Tgt Ion:202 Resp: 43819
 Ion Ratio Lower Upper
 202 100
 200 24.0 17.4 26.2
 203 18.0 14.5 21.7



#79
 Terphenyl-d14
 Concen: 56.697 ng
 RT: 20.217 min Scan# 2848
 Delta R.T. 0.004 min
 Lab File: BG052321.D
 Acq: 8 Feb 2022 16:18

Tgt Ion:244 Resp: 550047
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 6.6 6.2 9.4

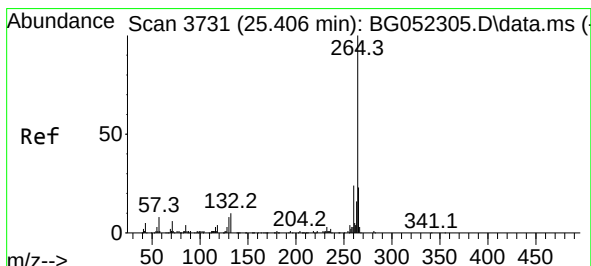
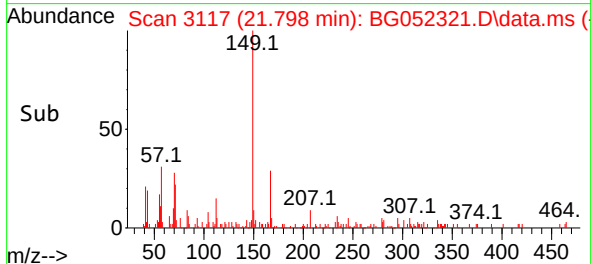
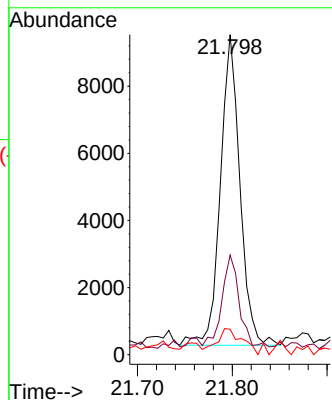
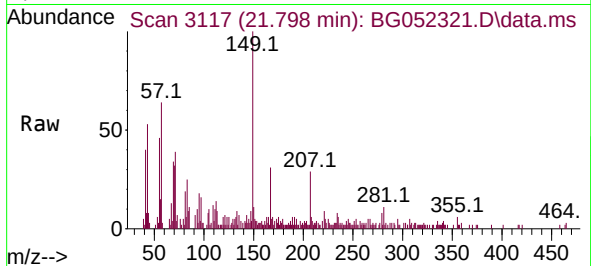




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.408 ng
 RT: 21.798 min Scan# 3117
 Delta R.T. -0.002 min
 Lab File: BG052321.D
 Acq: 8 Feb 2022 16:18

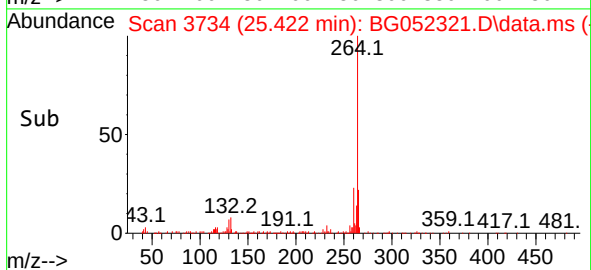
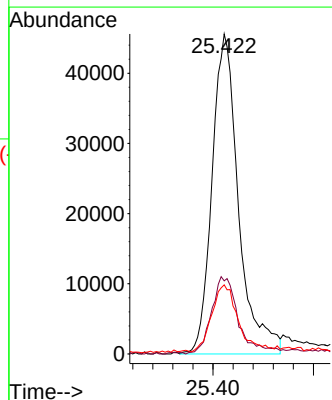
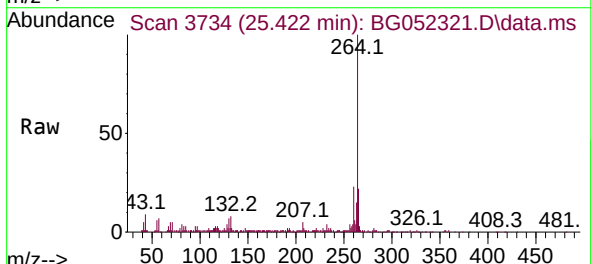
Instrument :
 BNA_G
 ClientSampleId :
 RO-124030

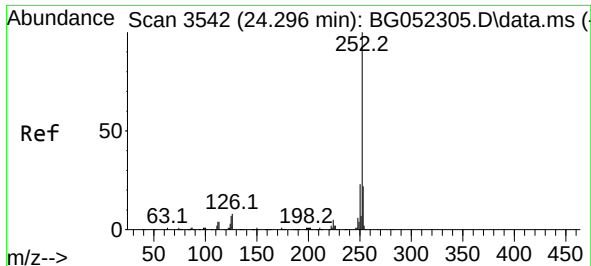
Tgt Ion:149 Resp: 13295
 Ion Ratio Lower Upper
 149 100
 167 31.1 21.4 32.0
 279 7.9 4.2 6.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.422 min Scan# 3734
 Delta R.T. 0.016 min
 Lab File: BG052321.D
 Acq: 8 Feb 2022 16:18

Tgt Ion:264 Resp: 167305
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 21.6 17.8 26.6

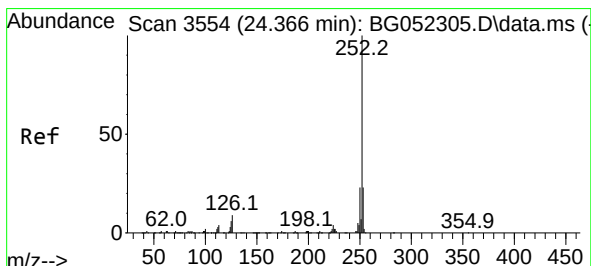
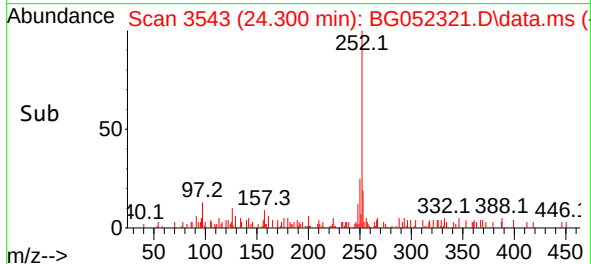
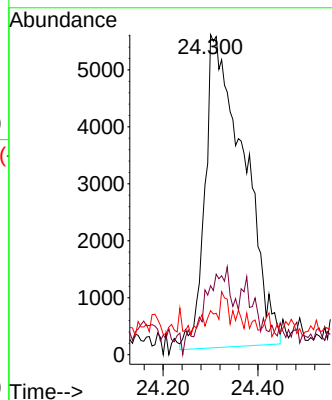
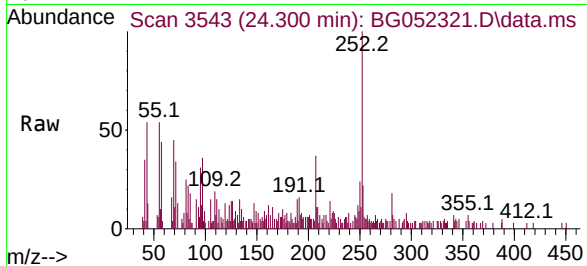




#88
Benzo(b)fluoranthene
Concen: 2.993 ng
RT: 24.300 min Scan# 3543
Delta R.T. 0.004 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Instrument :
BNA_G
ClientSampleId :
RO-124030

Tgt Ion:252 Resp: 31204
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 13.7 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 3.030 ng
RT: 24.300 min Scan# 3543
Delta R.T. -0.066 min
Lab File: BG052321.D
Acq: 8 Feb 2022 16:18

Tgt Ion:252 Resp: 31204
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 13.7 4.6 7.0#

