

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054574.D
 Acq On : 9 Aug 2022 17:55
 Operator : CG/JU
 Sample : N3962-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-194

Quant Time: Aug 10 07:13:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

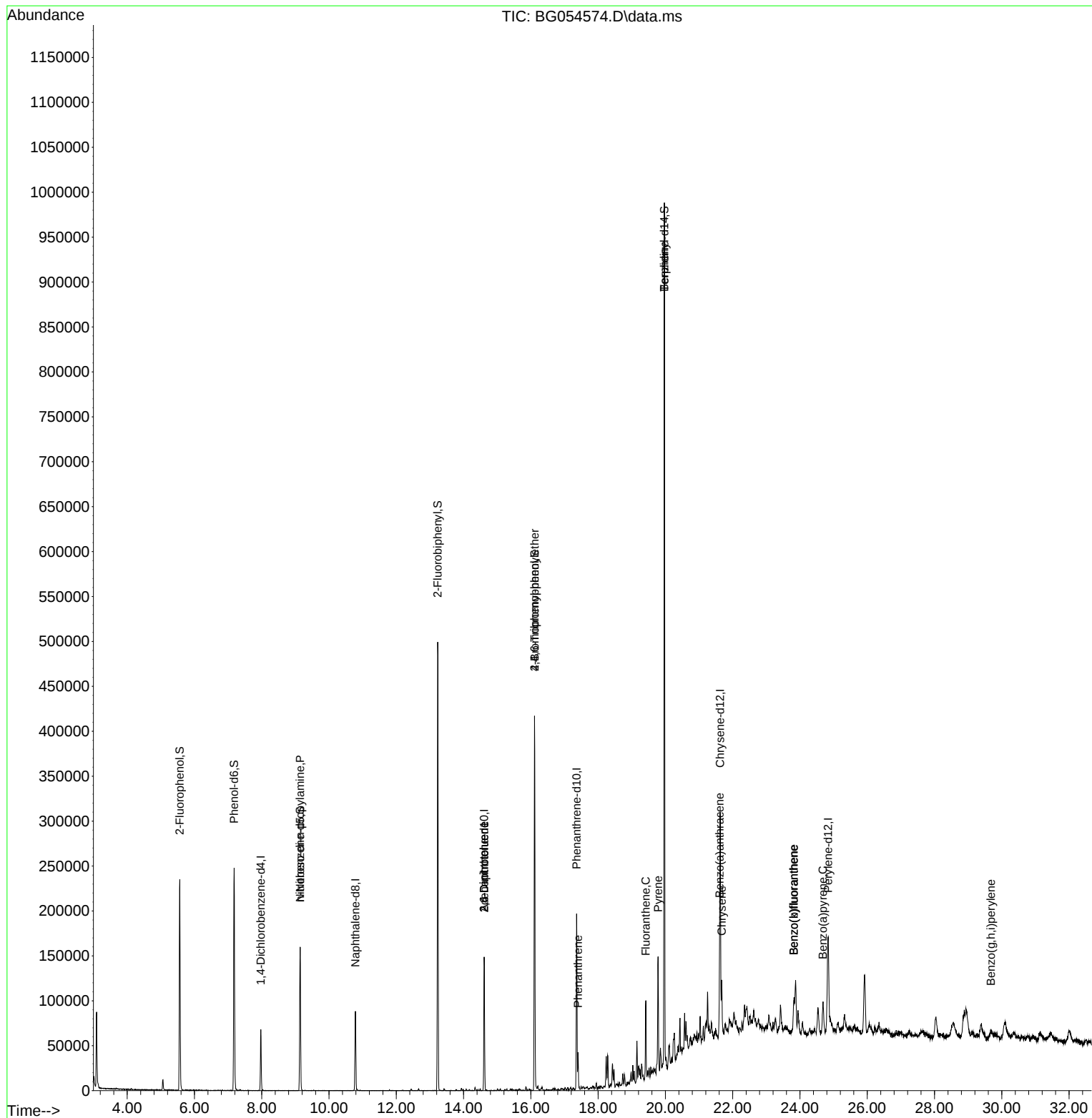
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.973	152	21698	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	80675	20.000	ng	# 0.00
39) Acenaphthene-d10	14.612	164	58081	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	137934	20.000	ng	# 0.00
76) Chrysene-d12	21.627	240	154105	20.000	ng	# 0.00
86) Perylene-d12	24.835	264	159664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	108955	104.842	ng	0.00
7) Phenol-d6	7.179	99	147151	103.336	ng	0.00
23) Nitrobenzene-d5	9.142	82	101293	68.375	ng	0.00
42) 2,4,6-Tribromophenol	16.110	330	115177	94.447	ng	0.00
45) 2-Fluorobiphenyl	13.231	172	291228	70.735	ng	0.00
79) Terphenyl-d14	19.970	244	546852	70.397	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.179	77	187	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.142	70	14637	15.392	ng	# 79
51) 2,6-Dinitrotoluene	14.612	165	8401	8.443	ng	# 16
57) 2,4-Dinitrotoluene	14.612	165	8401	5.889	ng	# 21
67) 4-Bromophenyl-phenylether	16.110	248	6857	3.540	ng	# 1
71) Phenanthrene	17.403	178	29657	4.317	ng	97
75) Fluoranthene	19.418	202	58088	6.204	ng	96
77) Benzidine	19.970	184	6958	2.493	ng	# 93
78) Pyrene	19.782	202	87858	9.936	ng	97
81) Benzo(a)anthracene	21.610	228	40879	4.179	ng	95
83) Chrysene	21.674	228	48829	5.283	ng	95
88) Benzo(b)fluoranthene	23.819	252	70331	7.448	ng	97
89) Benzo(k)fluoranthene	23.819	252	70331	7.484	ng	98
90) Benzo(a)pyrene	24.682	252	44029	5.460	ng	98
92) Benzo(g,h,i)perylene	29.677	276	22487	2.281	ng	# 96

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

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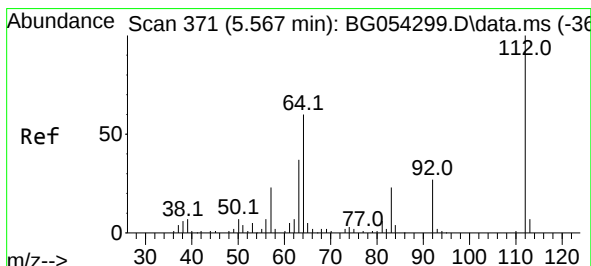
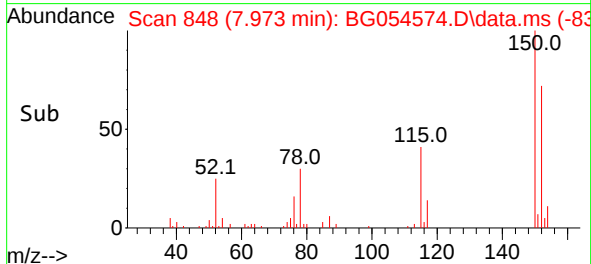
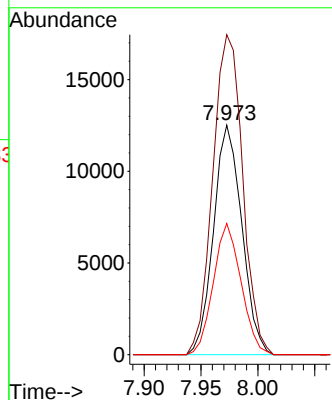
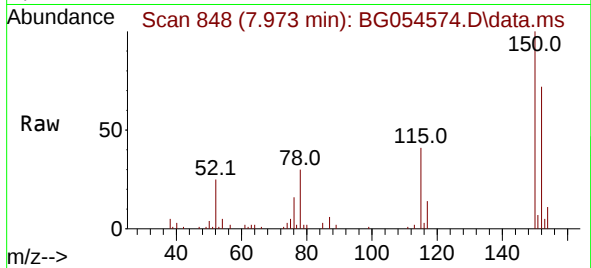




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.973 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

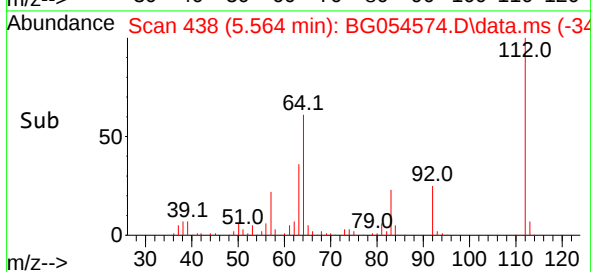
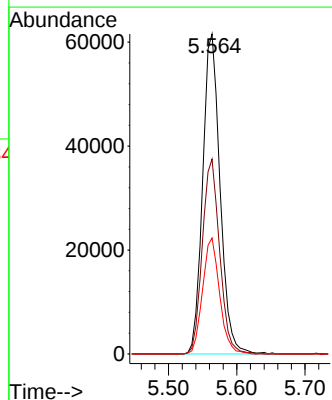
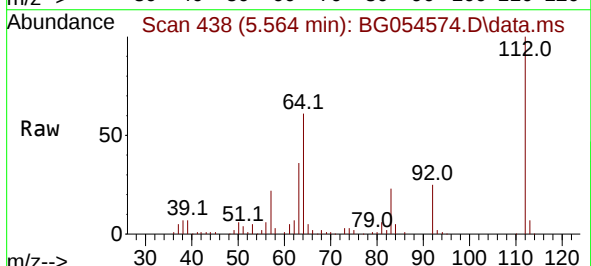
Instrument :
BNA_G
ClientSampleId :
RVE-194

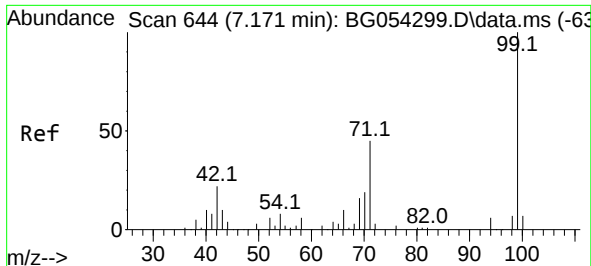
Tgt Ion:152 Resp: 21698
Ion Ratio Lower Upper
152 100
150 139.3 131.6 197.4
115 57.2 50.9 76.3



#5
2-Fluorophenol
Concen: 104.842 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:112 Resp: 108955
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 36.2 30.4 45.6

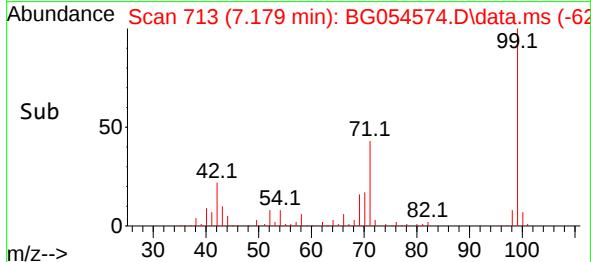
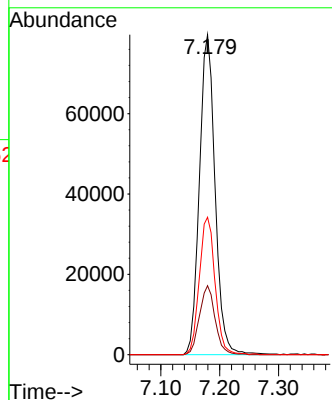
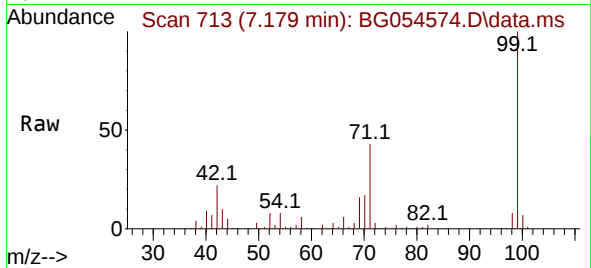




#7
Phenol-d6
Concen: 103.336 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

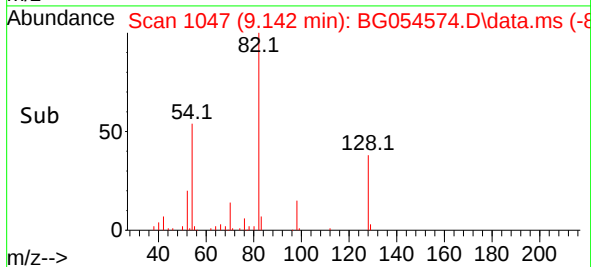
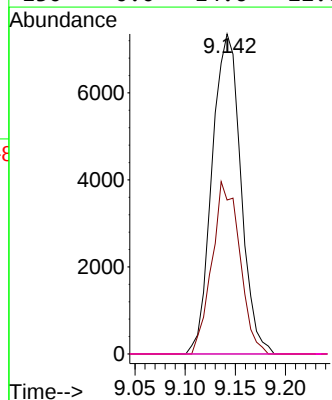
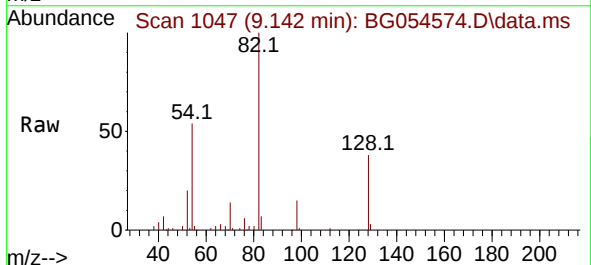
Instrument :
BNA_G
ClientSampleId :
RVE-194

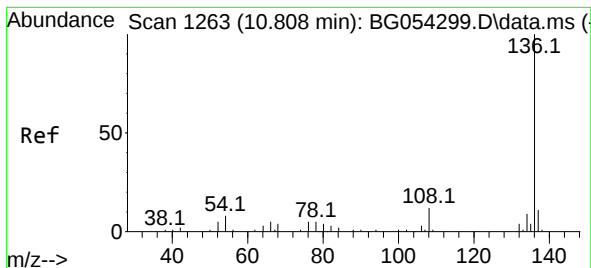
Tgt Ion: 99 Resp: 147151
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 43.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.392 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.359 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion: 70 Resp: 14637
Ion Ratio Lower Upper
70 100
42 48.1 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.787 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Instrument :

BNA_G

ClientSampleId :

RVE-194

Tgt Ion:136 Resp: 80675

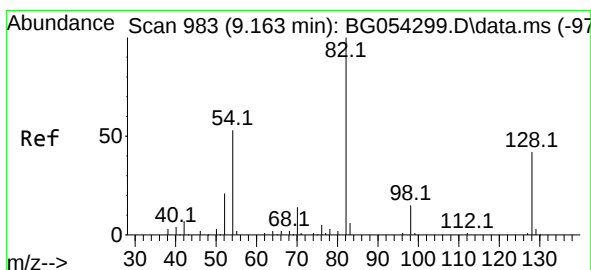
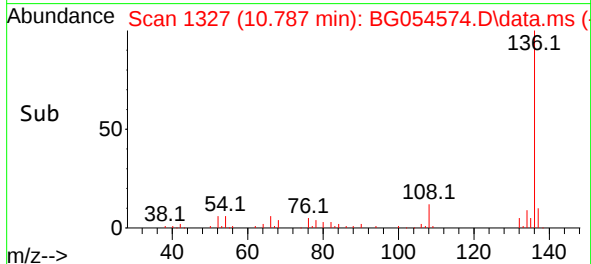
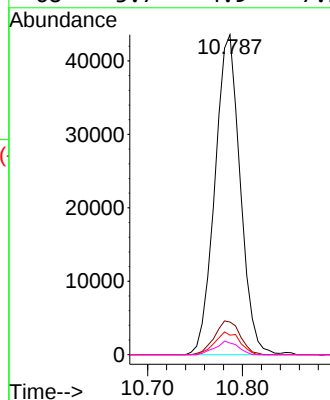
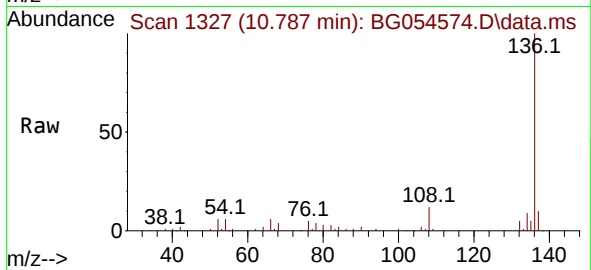
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.1 7.4 11.2#

68 3.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 68.375 ng

RT: 9.142 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

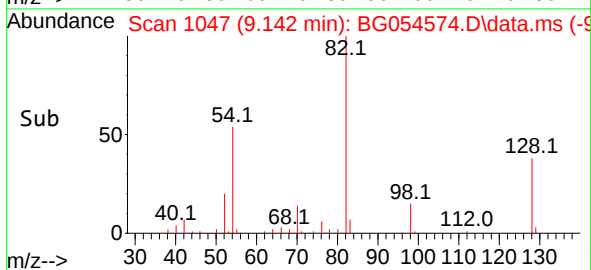
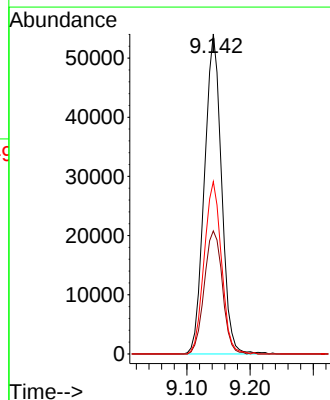
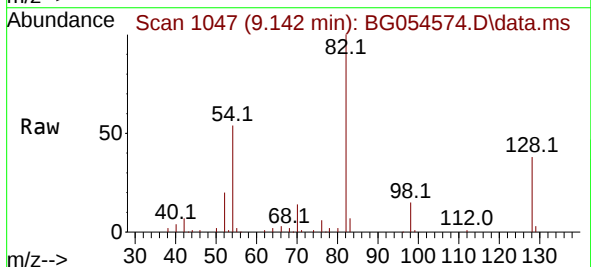
Tgt Ion: 82 Resp: 101293

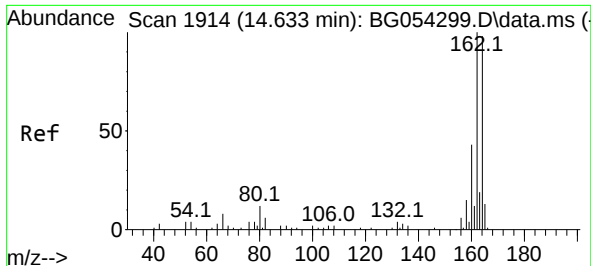
Ion Ratio Lower Upper

82 100

128 38.5 27.9 41.9

54 53.8 41.2 61.8

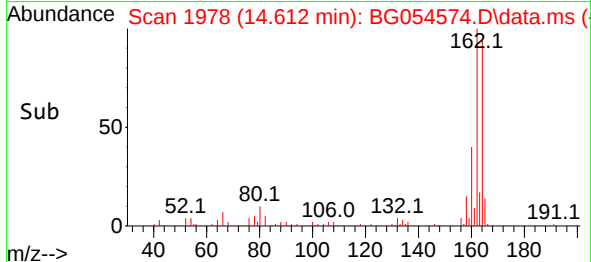
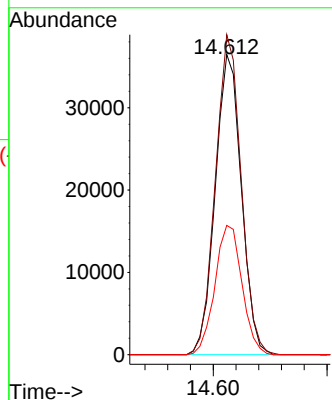
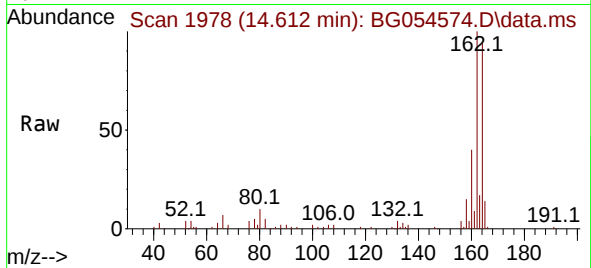




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.612 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

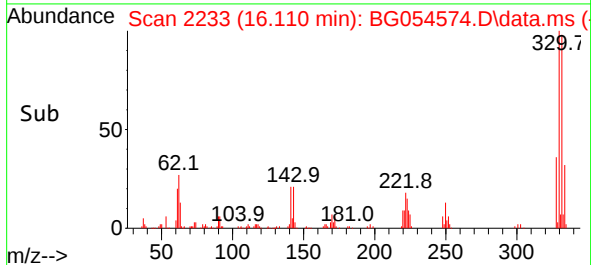
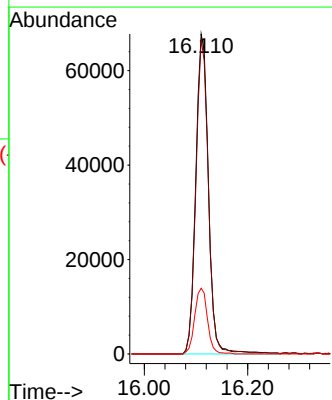
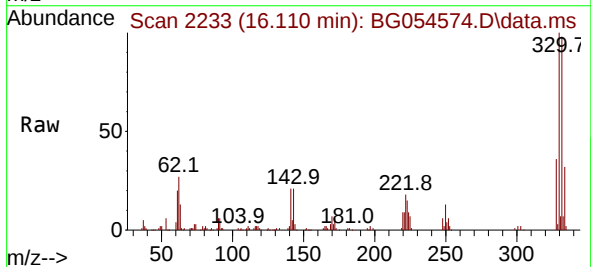
Instrument :
BNA_G
ClientSampleId :
RVE-194

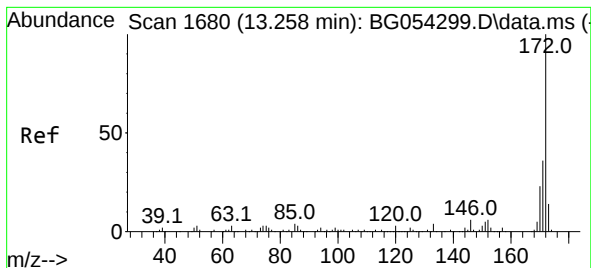
Tgt Ion:164 Resp: 58081
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 94.447 ng
RT: 16.110 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:330 Resp: 115177
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.7 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 70.735 ng

RT: 13.231 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Instrument :

BNA_G

ClientSampleId :

RVE-194

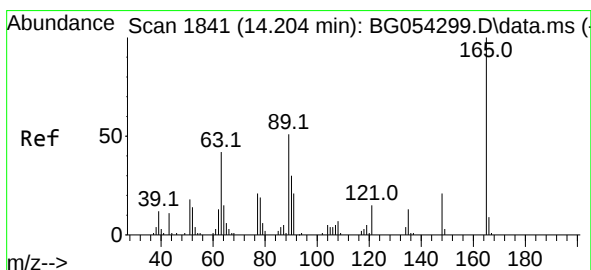
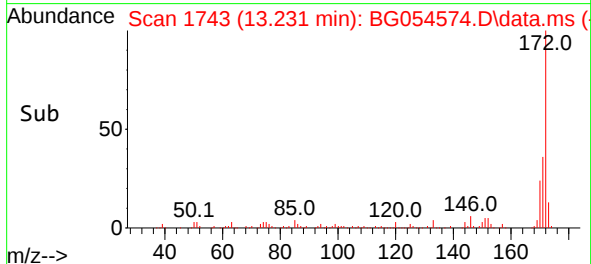
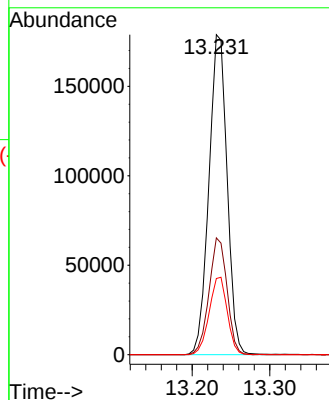
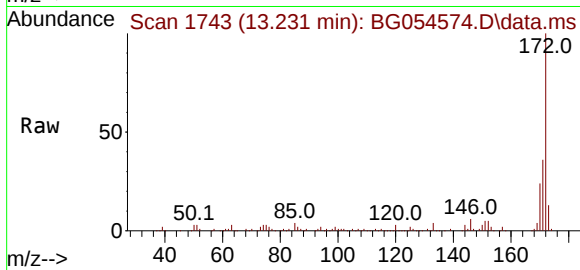
Tgt Ion:172 Resp: 291228

Ion Ratio Lower Upper

172 100

171 36.5 28.5 42.7

170 23.8 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.443 ng

RT: 14.612 min Scan# 1978

Delta R.T. 0.417 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

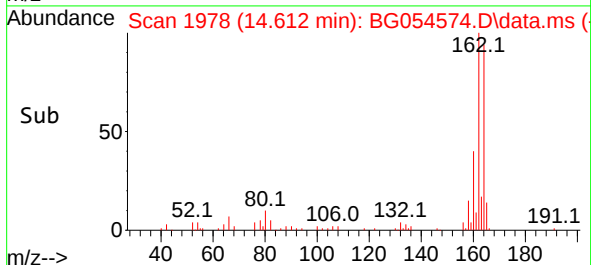
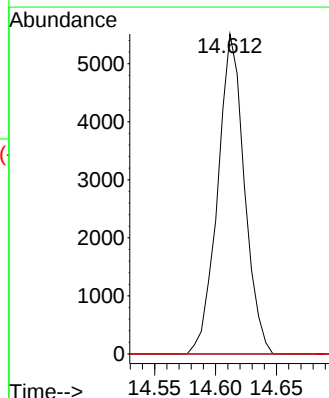
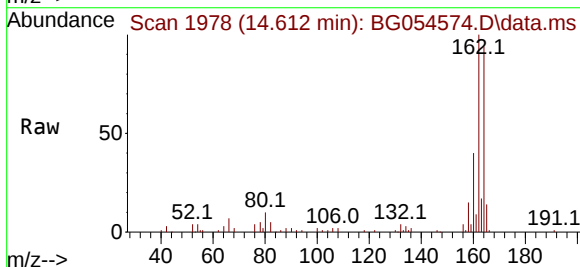
Tgt Ion:165 Resp: 8401

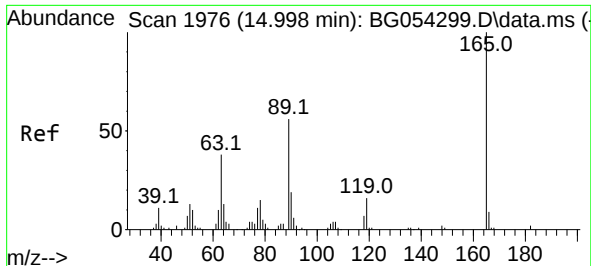
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.889 ng

RT: 14.612 min Scan# 14

Delta R.T. -0.382 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Instrument :

BNA_G

ClientSampleId :

RVE-194

Tgt Ion:165 Resp: 8401

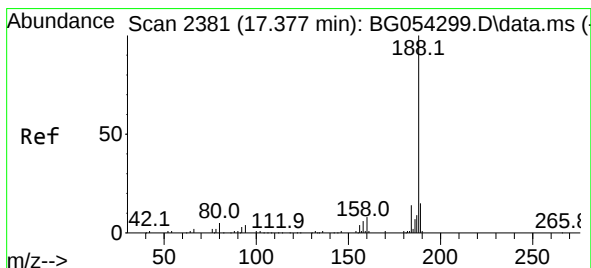
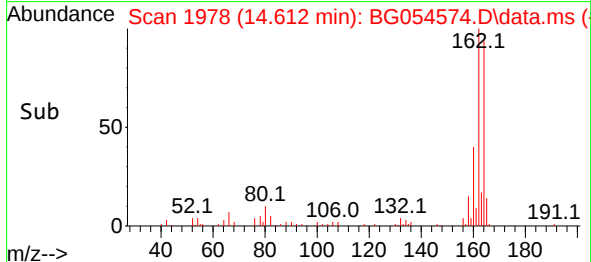
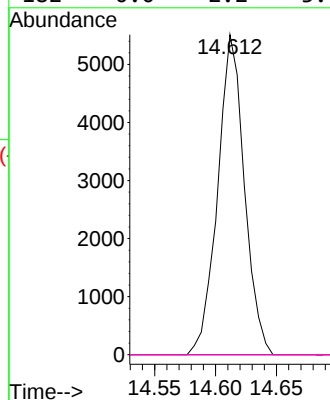
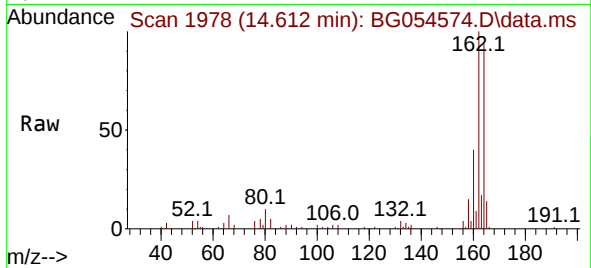
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.362 min Scan# 2446

Delta R.T. 0.000 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

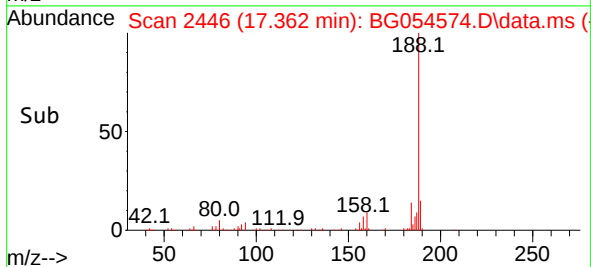
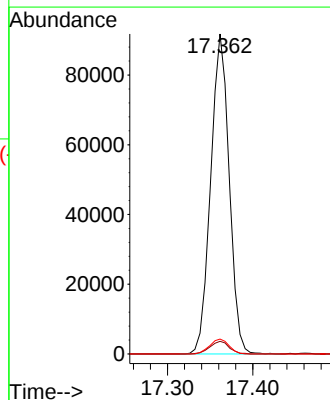
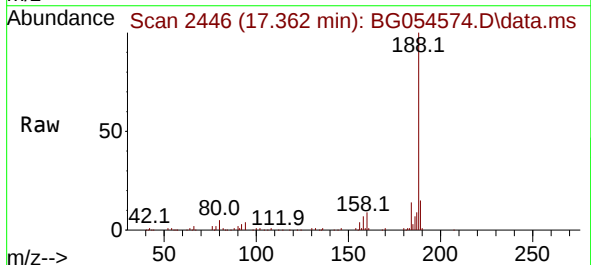
Tgt Ion:188 Resp: 137934

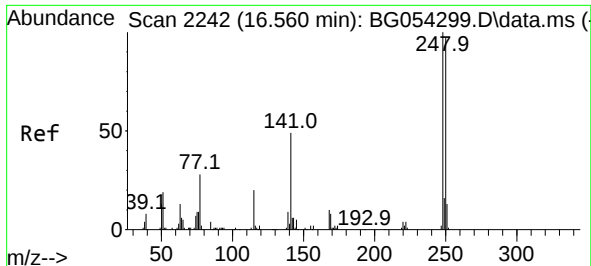
Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 4.6 6.8 10.2#

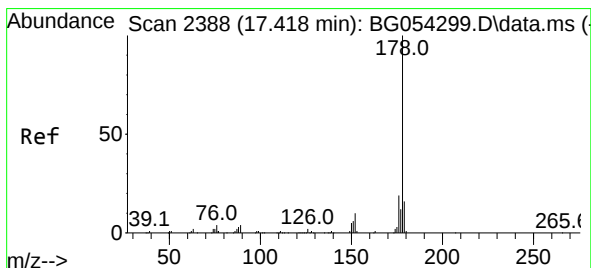
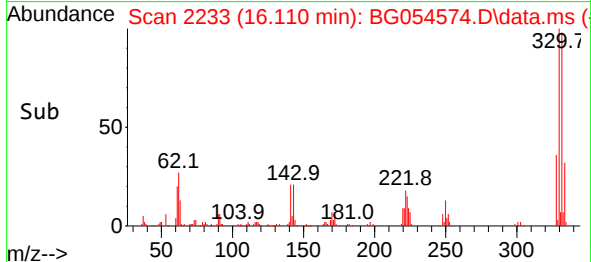
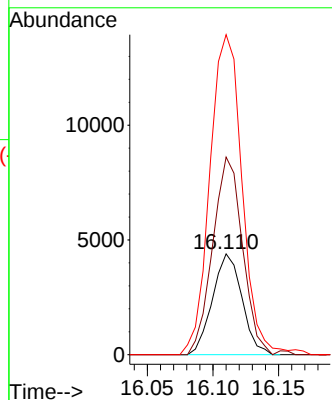
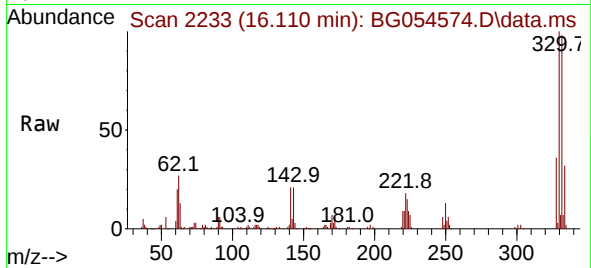




#67
4-Bromophenyl-phenylether
Concen: 3.540 ng
RT: 16.110 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

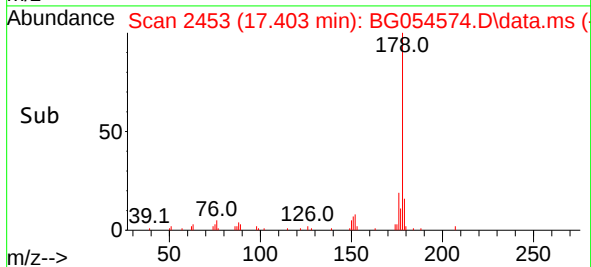
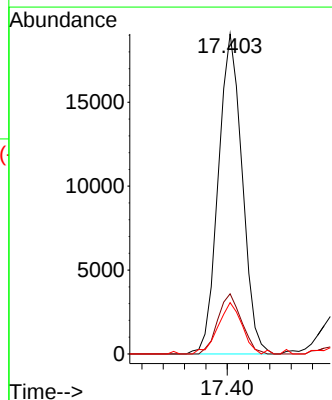
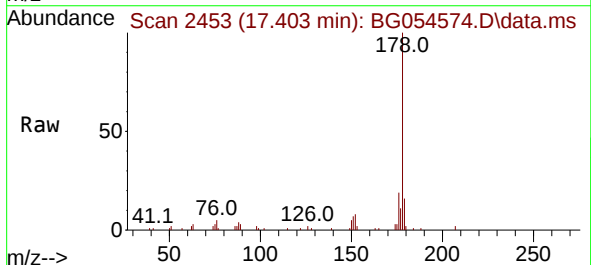
Instrument :
BNA_G
ClientSampleId :
RVE-194

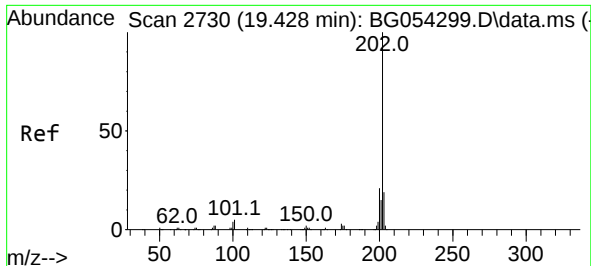
Tgt Ion:248 Resp: 6857
Ion Ratio Lower Upper
248 100
250 255.8 75.2 112.8#
141 317.7 50.0 75.0#



#71
Phenanthrene
Concen: 4.317 ng
RT: 17.403 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:178 Resp: 29657
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.0 12.1 18.1

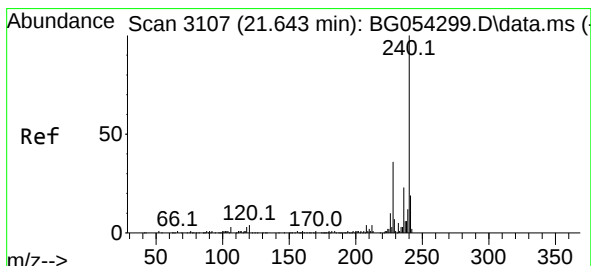
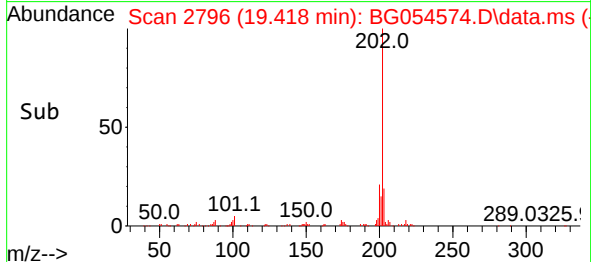
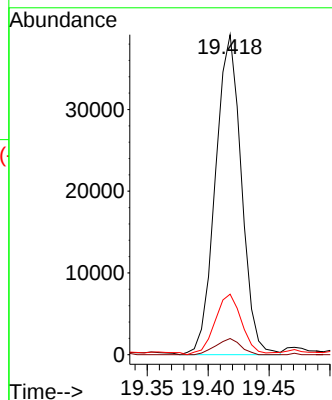
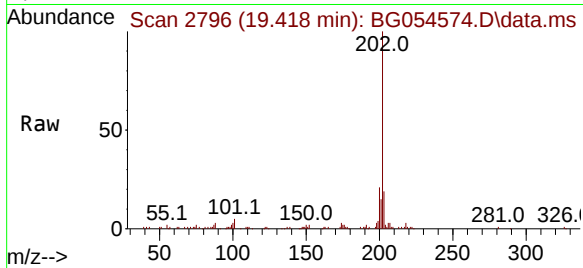




#75
Fluoranthene
Concen: 6.204 ng
RT: 19.418 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

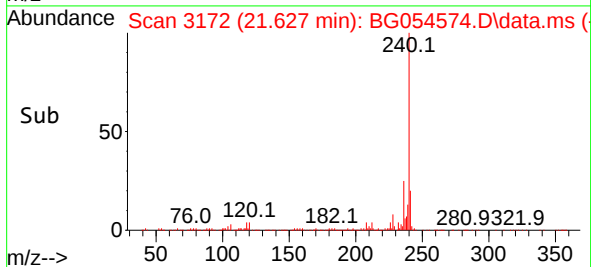
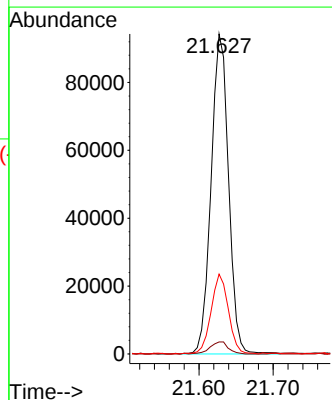
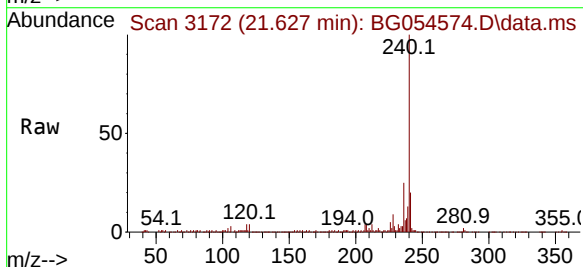
Instrument :
BNA_G
ClientSampleId :
RVE-194

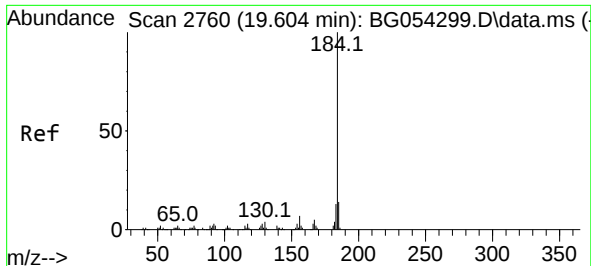
Tgt Ion:202 Resp: 58088
Ion Ratio Lower Upper
202 100
101 5.1 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:240 Resp: 154105
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4

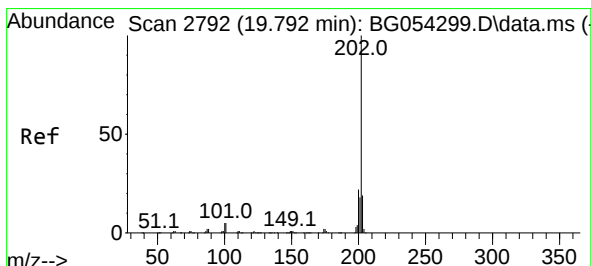
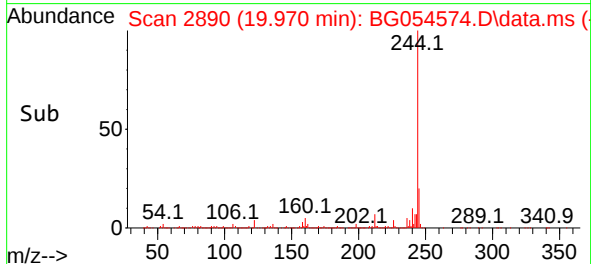
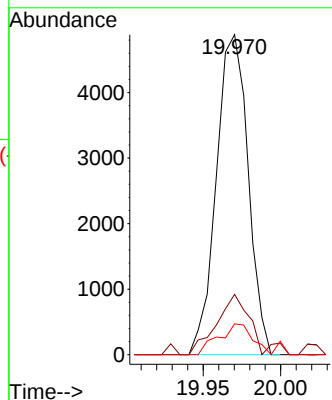
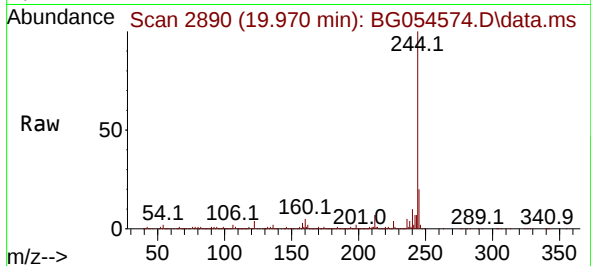




#77
Benzidine
Concen: 2.493 ng
RT: 19.970 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

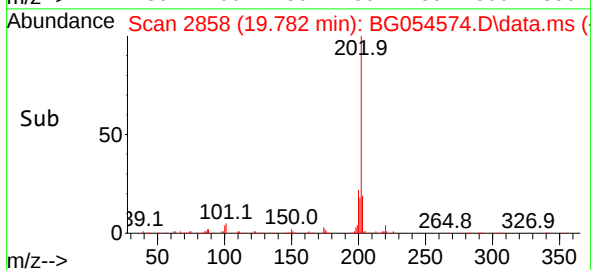
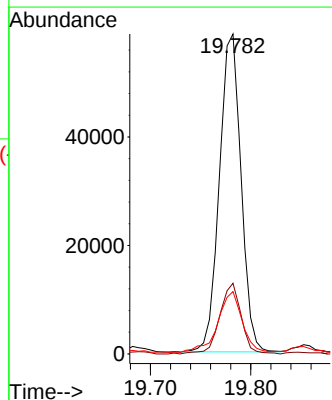
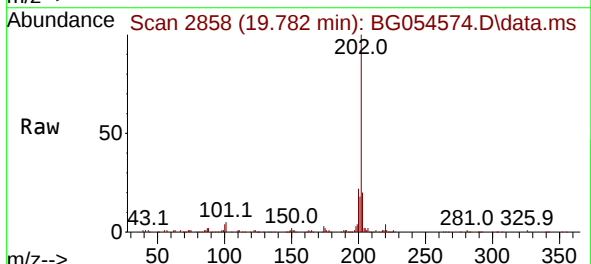
Instrument :
BNA_G
ClientSampleId :
RVE-194

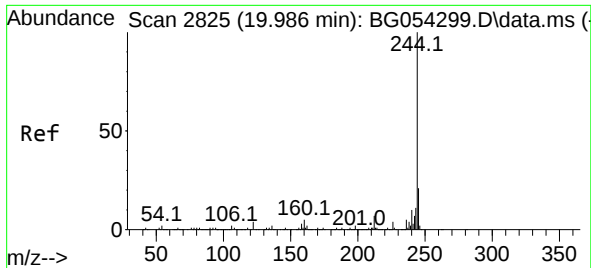
Tgt Ion:184 Resp: 6958
Ion Ratio Lower Upper
184 100
185 18.9 11.8 17.6#
183 9.6 8.9 13.3



#78
Pyrene
Concen: 9.936 ng
RT: 19.782 min Scan# 2858
Delta R.T. 0.000 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:202 Resp: 87858
Ion Ratio Lower Upper
202 100
200 22.1 16.6 24.8
203 19.5 14.6 21.8

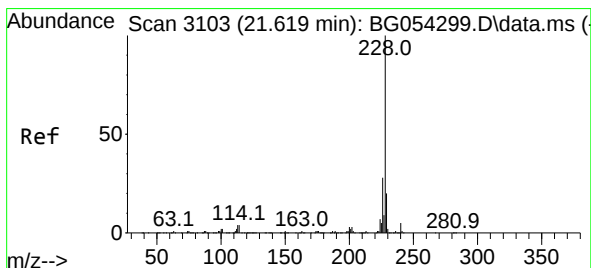
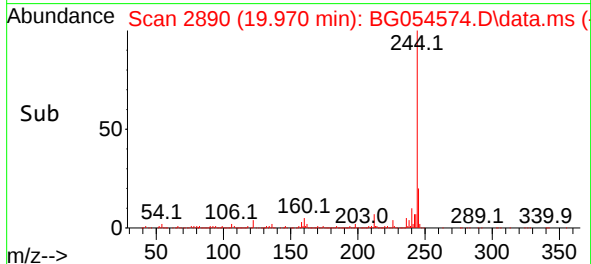
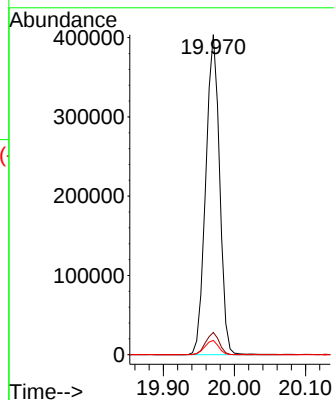
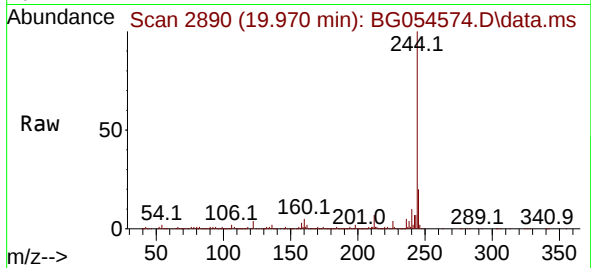




#79
 Terphenyl-d14
 Concen: 70.397 ng
 RT: 19.970 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054574.D
 Acq: 9 Aug 2022 17:55

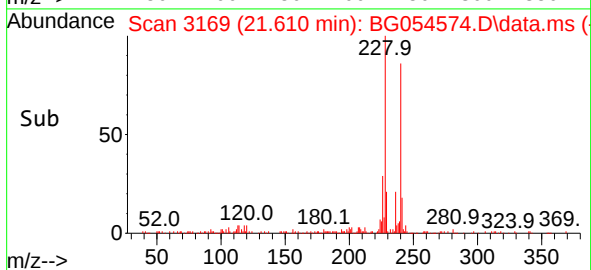
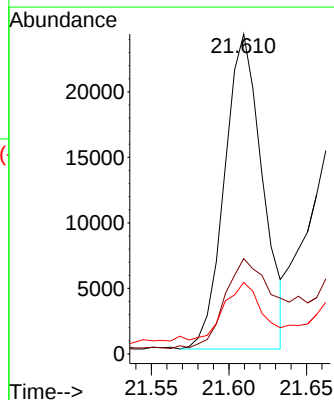
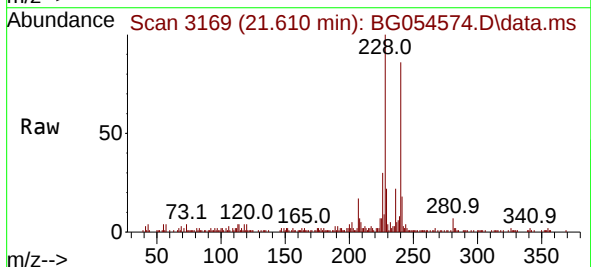
Instrument :
 BNA_G
 ClientSampleId :
 RVE-194

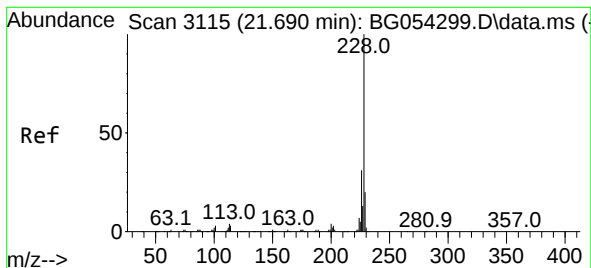
Tgt Ion:244 Resp: 546852
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.179 ng
 RT: 21.610 min Scan# 3169
 Delta R.T. -0.006 min
 Lab File: BG054574.D
 Acq: 9 Aug 2022 17:55

Tgt Ion:228 Resp: 40879
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 22.3 16.2 24.2





#83

Chrysene

Concen: 5.283 ng

RT: 21.674 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Instrument :

BNA_G

ClientSampleId :

RVE-194

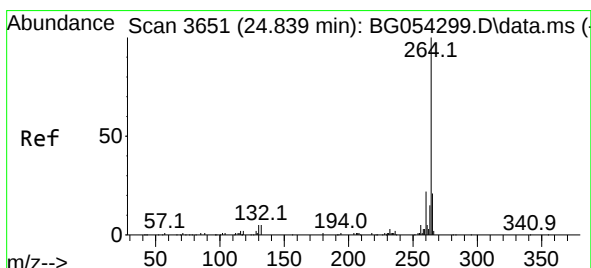
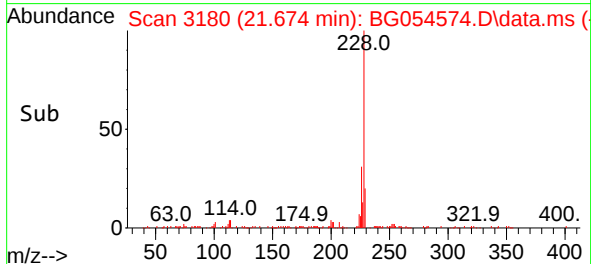
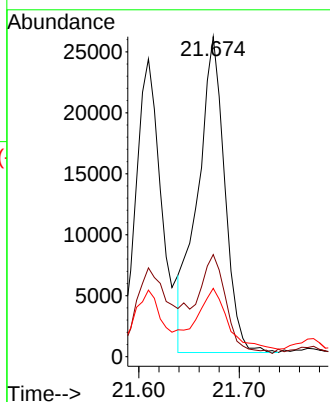
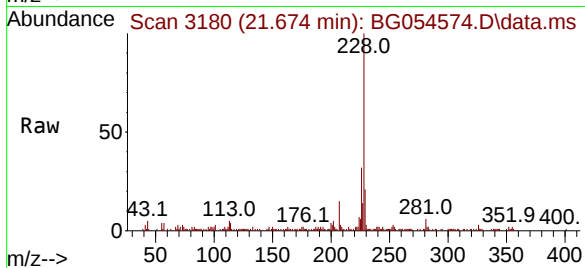
Tgt Ion:228 Resp: 48829

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

229 21.3 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.835 min Scan# 3718

Delta R.T. 0.000 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

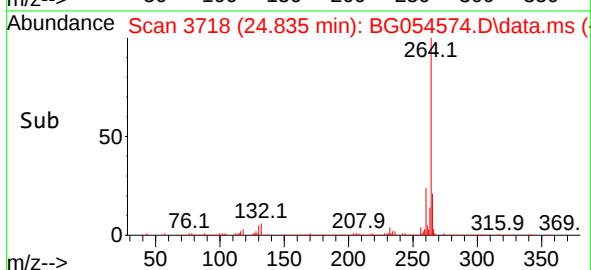
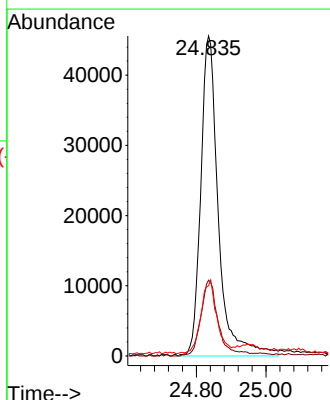
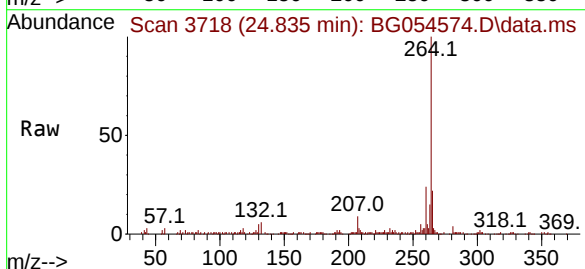
Tgt Ion:264 Resp: 159664

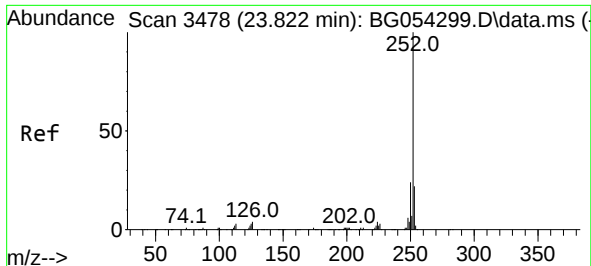
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.9 17.4 26.2

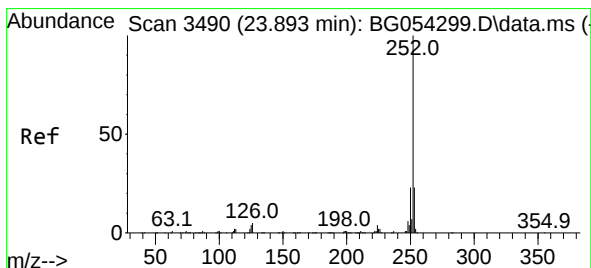
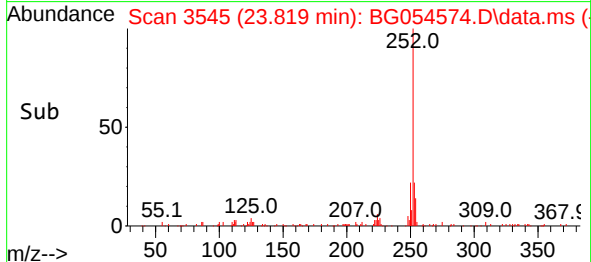
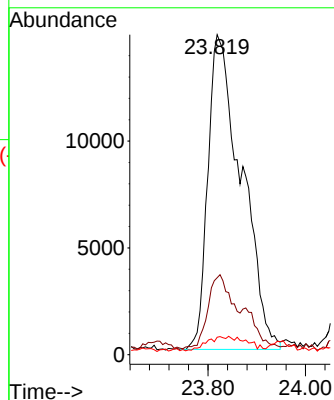
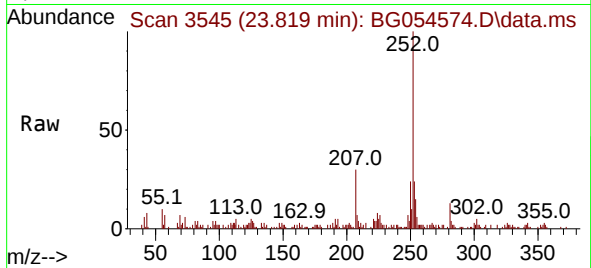




#88
Benzo(b)fluoranthene
Concen: 7.448 ng
RT: 23.819 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

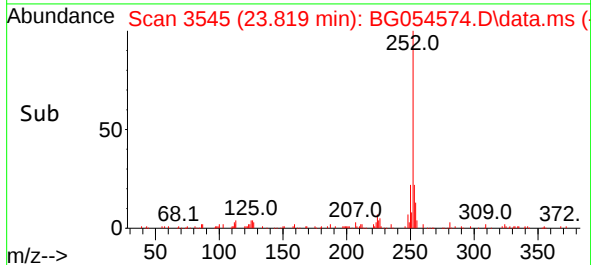
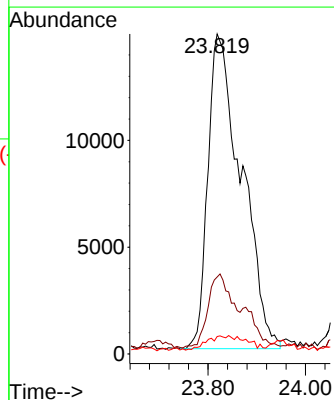
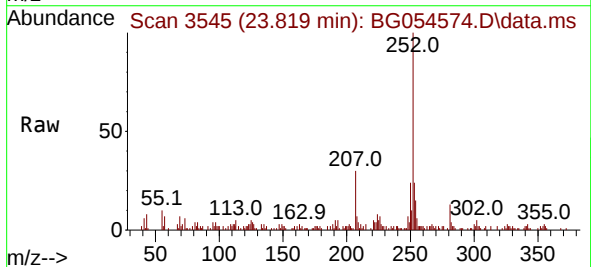
Instrument :
BNA_G
ClientSampleId :
RVE-194

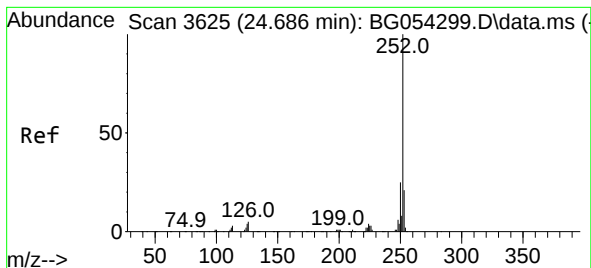
Tgt Ion:	252	Resp:	70331
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	5.4	4.6	6.8



#89
Benzo(k)fluoranthene
Concen: 7.484 ng
RT: 23.819 min Scan# 3545
Delta R.T. -0.064 min
Lab File: BG054574.D
Acq: 9 Aug 2022 17:55

Tgt Ion:	252	Resp:	70331
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	5.4	4.8	7.2





#90

Benzo(a)pyrene

Concen: 5.460 ng

RT: 24.682 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Instrument :

BNA_G

ClientSampleId :

RVE-194

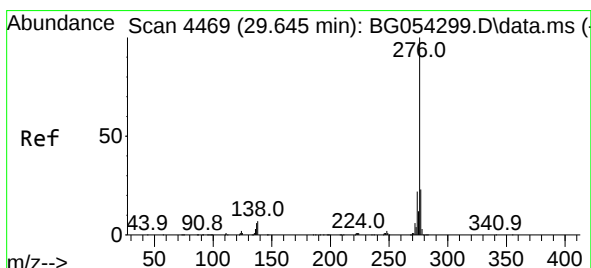
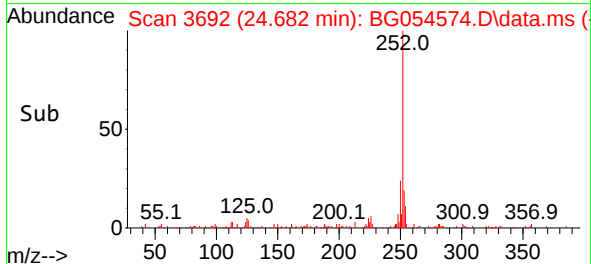
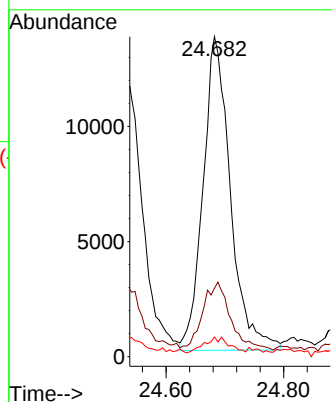
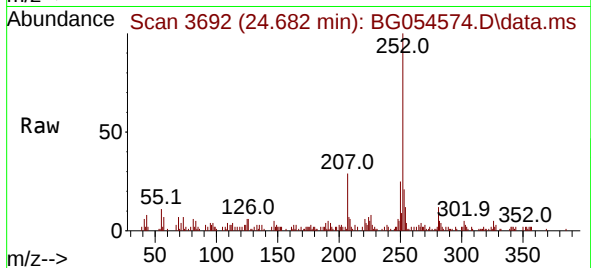
Tgt Ion:252 Resp: 44029

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 6.2 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 2.281 ng

RT: 29.677 min Scan# 4542

Delta R.T. 0.000 min

Lab File: BG054574.D

Acq: 9 Aug 2022 17:55

Tgt Ion:276 Resp: 22487

Ion Ratio Lower Upper

276 100

277 20.9 17.3 25.9

138 8.5 9.6 14.4#

