

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054178.D
 Acq On : 30 Jun 2022 20:45
 Operator : CG/JU
 Sample : N3547-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Quant Time: Jul 01 04:05:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

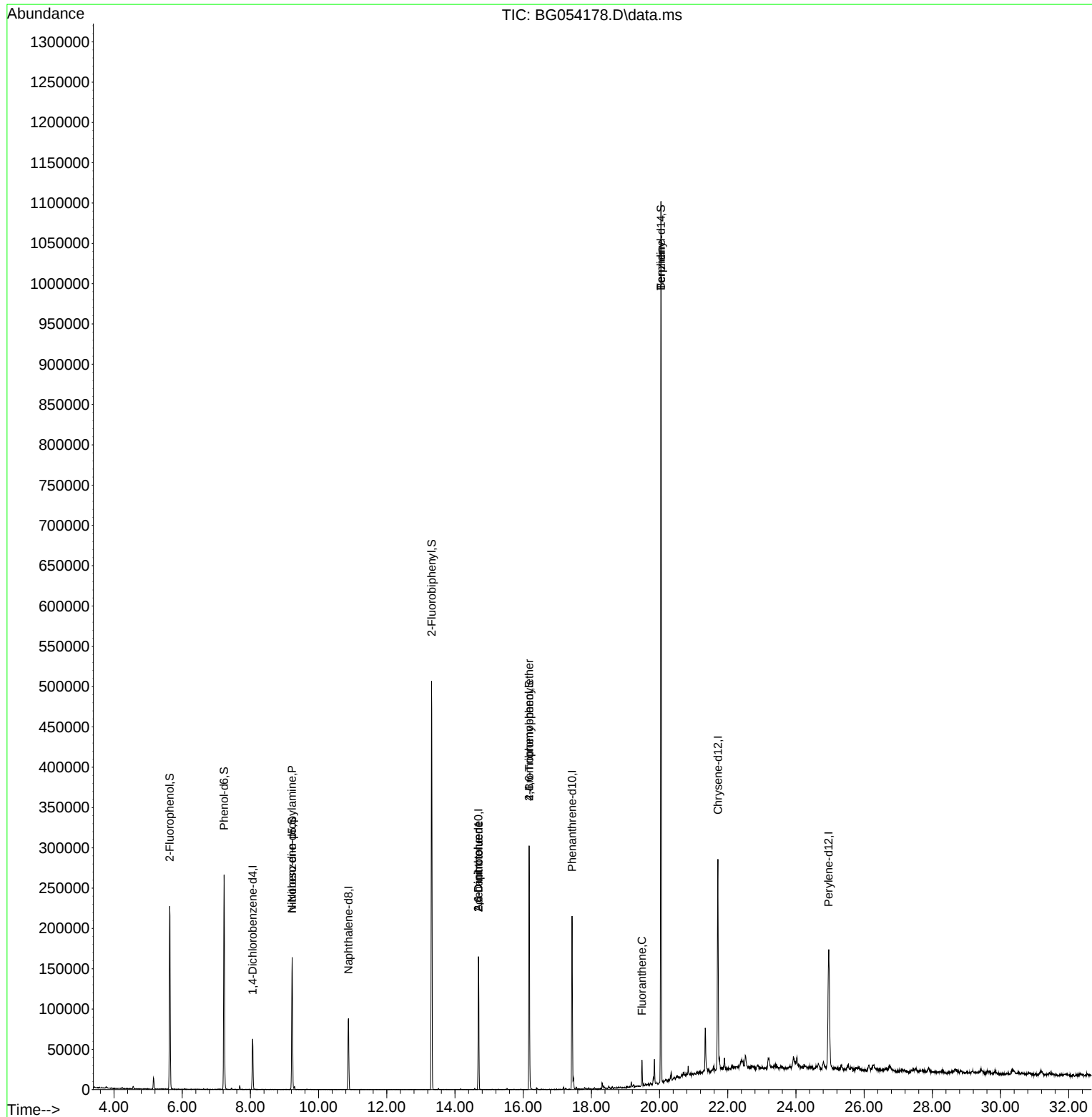
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.067	152	20177	20.000	ng	0.00
21) Naphthalene-d8	10.875	136	81650	20.000	ng	# 0.00
39) Acenaphthene-d10	14.688	164	63179	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	158994	20.000	ng	# 0.00
76) Chrysene-d12	21.709	240	175256	20.000	ng	# 0.00
86) Perylene-d12	24.959	264	181279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	106406	100.827	ng	0.00
7) Phenol-d6	7.226	99	157073	109.716	ng	0.00
23) Nitrobenzene-d5	9.224	82	104542	71.952	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	74072	72.971	ng	0.00
45) 2-Fluorobiphenyl	13.313	172	298441	68.689	ng	0.00
79) Terphenyl-d14	20.041	244	628204	72.195	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.224	70	14615	15.195	ng	# 82
51) 2,6-Dinitrotoluene	14.688	165	8427	8.668	ng	# 18
57) 2,4-Dinitrotoluene	14.688	165	8427	6.138	ng	# 23
67) 4-Bromophenyl-phenylether	16.175	248	4423	2.227	ng	# 1
75) Fluoranthene	19.483	202	22322	2.082	ng	96
77) Benzdine	20.041	184	8719	2.402	ng	# 94

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

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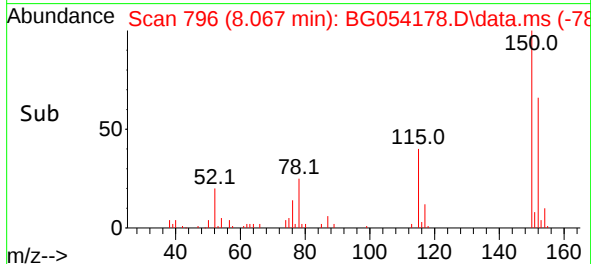
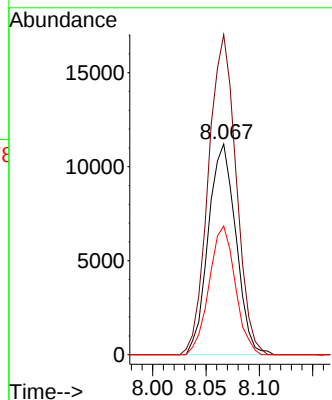
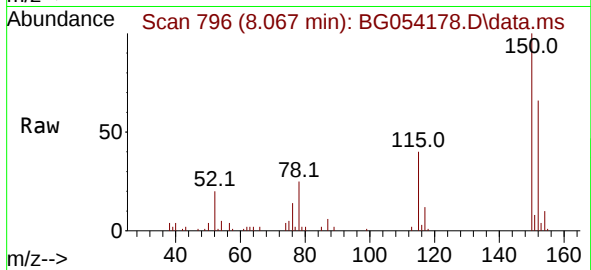




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.067 min Scan# 79
Delta R.T. -0.003 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

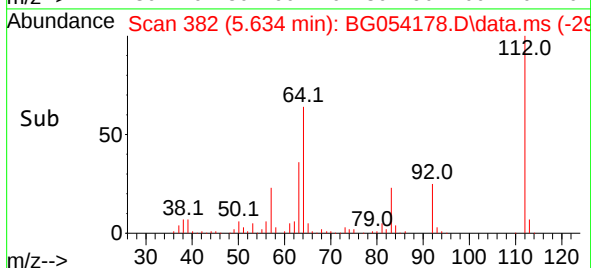
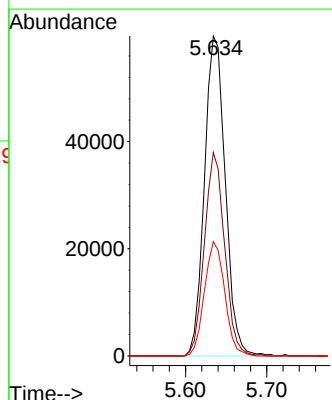
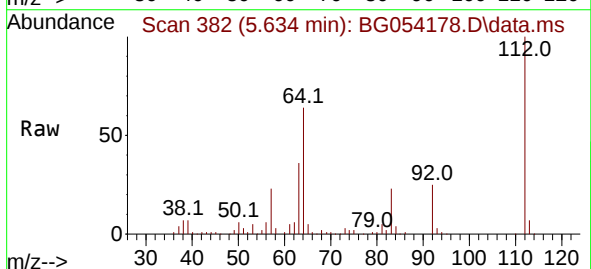
Instrument :
BNA_G
ClientSampleId :
T-1

Tgt Ion:152 Resp: 20177
Ion Ratio Lower Upper
152 100
150 151.9 131.6 197.4
115 61.1 50.9 76.3



#5
2-Fluorophenol
Concen: 100.827 ng
RT: 5.634 min Scan# 382
Delta R.T. -0.004 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion:112 Resp: 106406
Ion Ratio Lower Upper
112 100
64 63.6 55.1 82.7
63 35.8 30.4 45.6

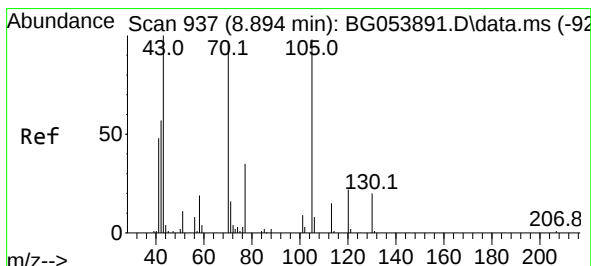
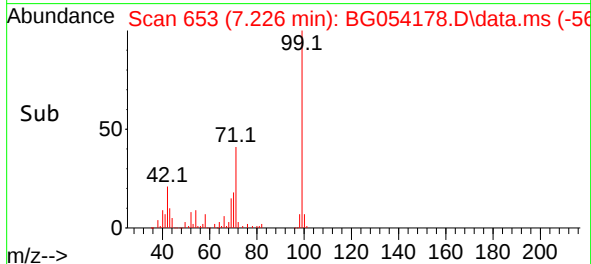
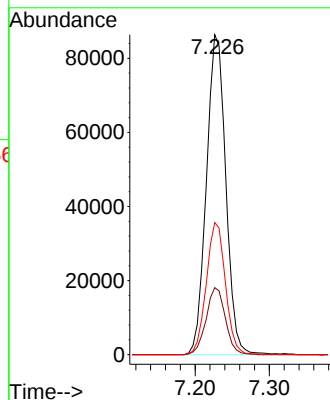
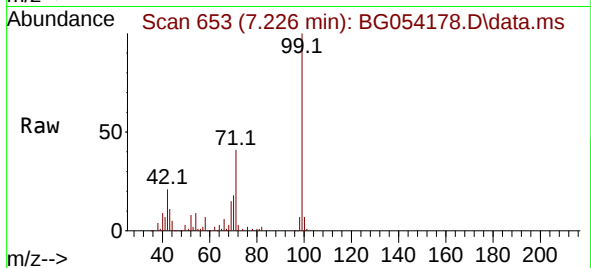




#7
Phenol-d6
Concen: 109.716 ng
RT: 7.226 min Scan# 611
Delta R.T. -0.004 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

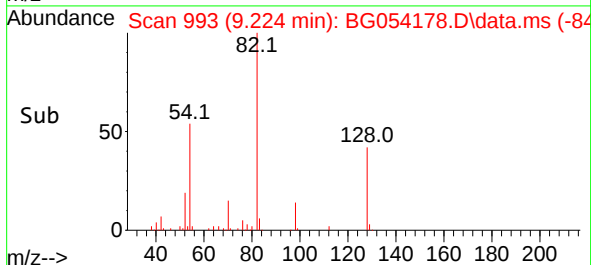
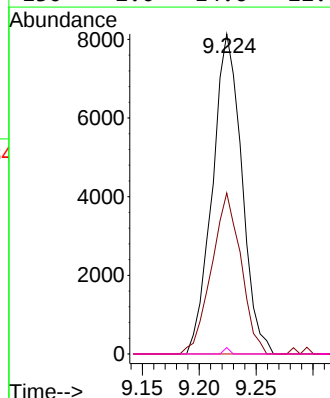
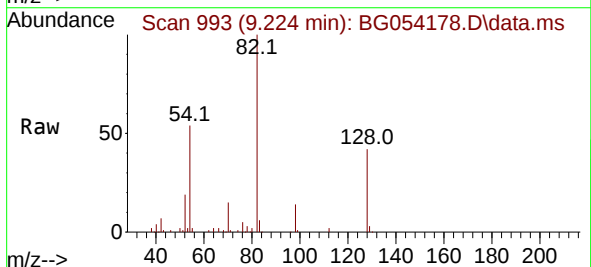
Instrument :
BNA_G
ClientSampleId :
T-1

Tgt Ion: 99 Resp: 157073
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 41.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.195 ng
RT: 9.224 min Scan# 993
Delta R.T. 0.349 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion: 70 Resp: 14615
Ion Ratio Lower Upper
70 100
42 50.3 47.3 70.9
101 0.0 7.0 10.4#
130 2.0 14.6 22.0#

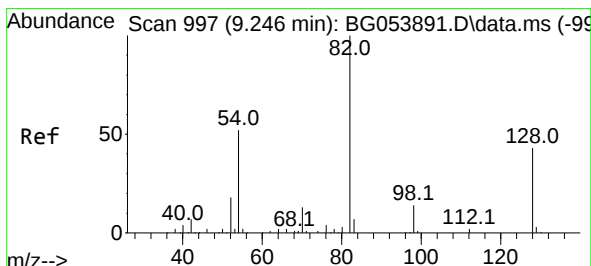
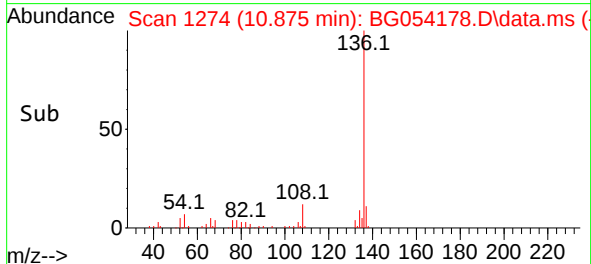
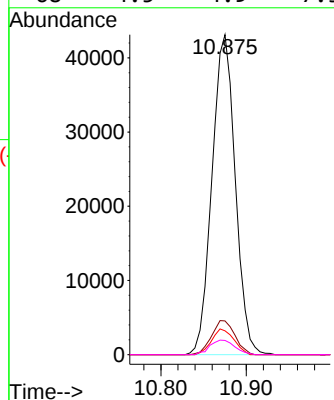
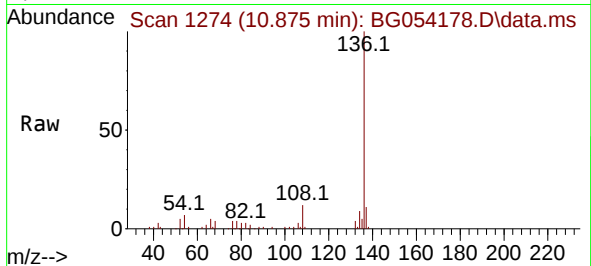




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.875 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

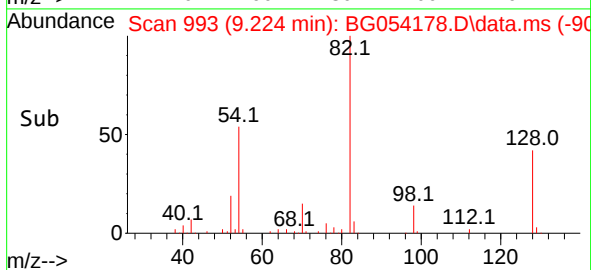
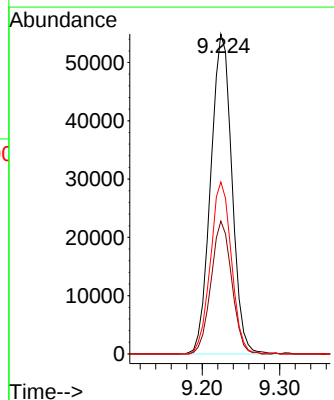
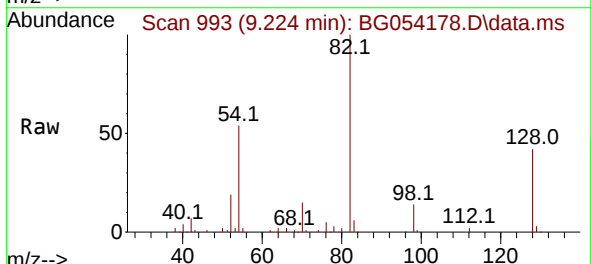
Instrument :
BNA_G
ClientSampleId :
T-1

Tgt Ion:136	Resp:	81650
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	7.5	7.4 11.2
68	4.5	4.9 7.3



#23
Nitrobenzene-d5
Concen: 71.952 ng
RT: 9.224 min Scan# 993
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion: 82	Resp:	104542
Ion Ratio	Lower	Upper
82	100	
128	41.5	27.9 41.9
54	53.8	41.2 61.8

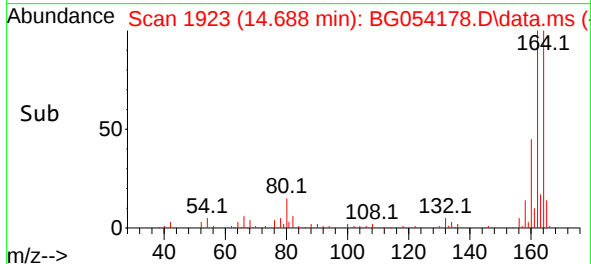
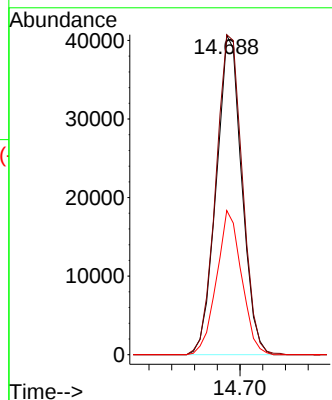
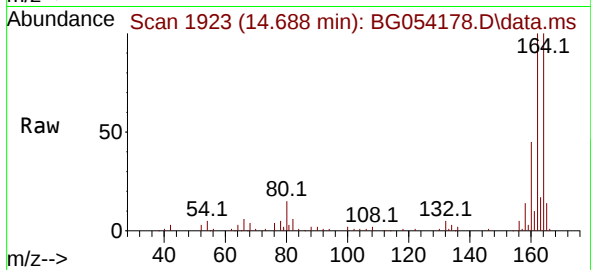




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.688 min Scan# 1923
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

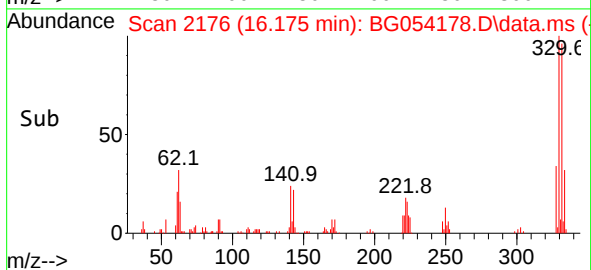
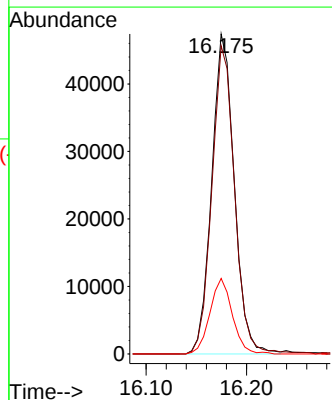
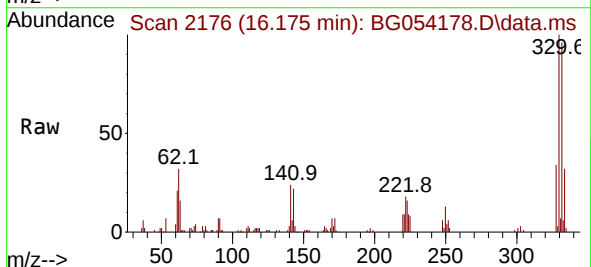
Instrument :
BNA_G
ClientSampleId :
T-1

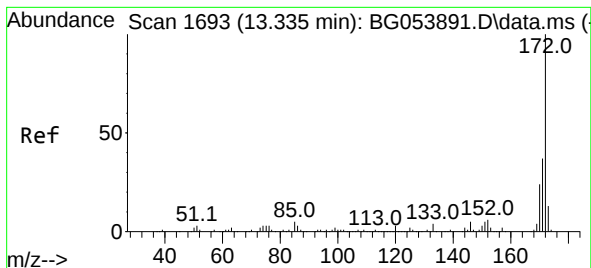
Tgt Ion:164 Resp: 63179
Ion Ratio Lower Upper
164 100
162 100.2 82.3 123.5
160 45.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 72.971 ng
RT: 16.175 min Scan# 2176
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion:330 Resp: 74072
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 23.5 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 68.689 ng

RT: 13.313 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG054178.D

Acq: 30 Jun 2022 20:45

Instrument :

BNA_G

ClientSampleId :

T-1

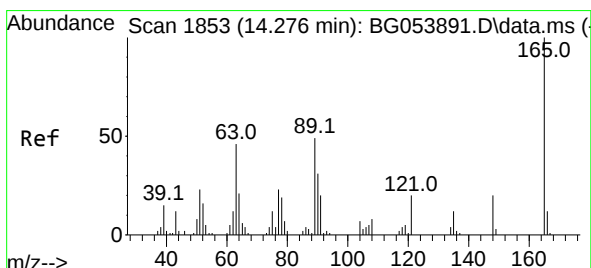
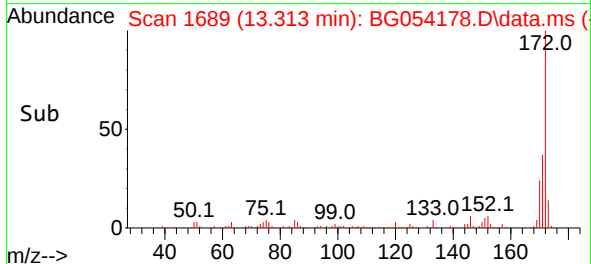
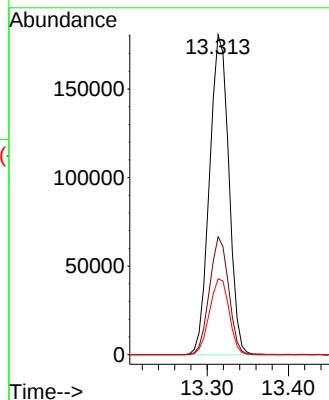
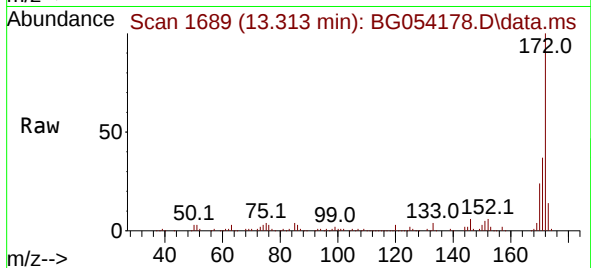
Tgt Ion:172 Resp: 298441

Ion Ratio Lower Upper

172 100

171 36.9 28.5 42.7

170 23.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.668 ng

RT: 14.688 min Scan# 1923

Delta R.T. 0.425 min

Lab File: BG054178.D

Acq: 30 Jun 2022 20:45

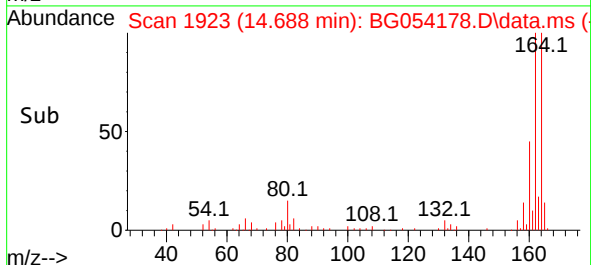
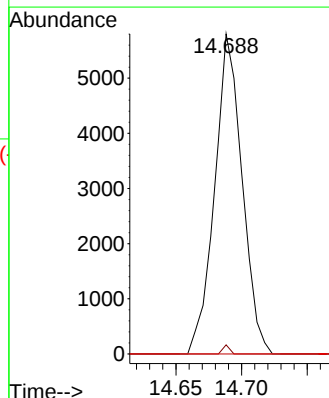
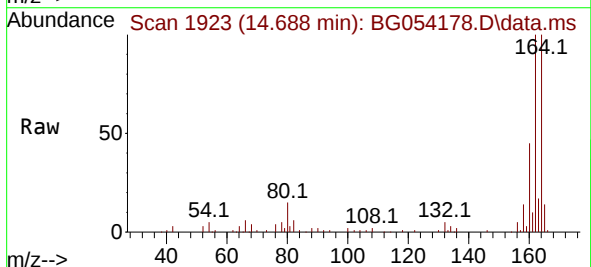
Tgt Ion:165 Resp: 8427

Ion Ratio Lower Upper

165 100

63 2.8 54.1 81.1#

89 0.0 54.8 82.2#

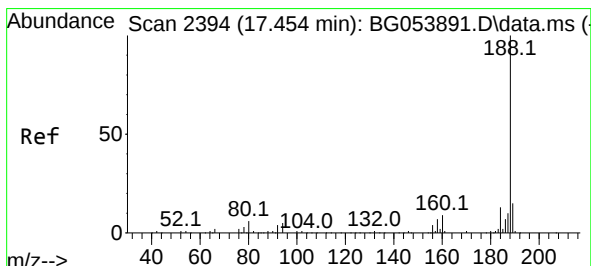
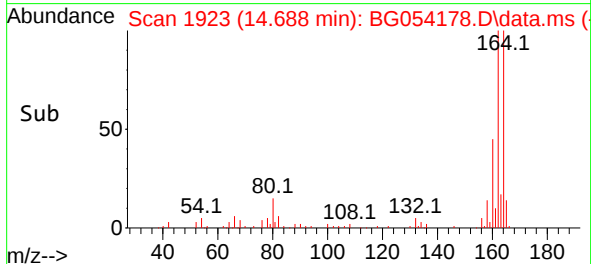
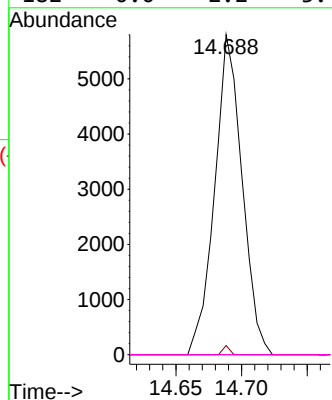
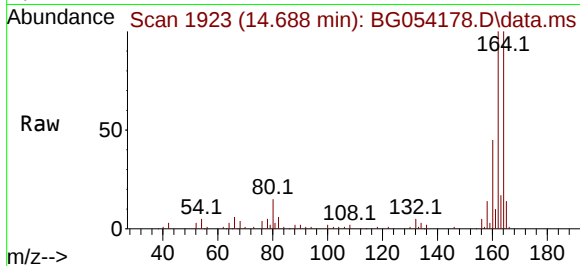




#57
2,4-Dinitrotoluene
Concen: 6.138 ng
RT: 14.688 min Scan# 1987
Delta R.T. -0.362 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

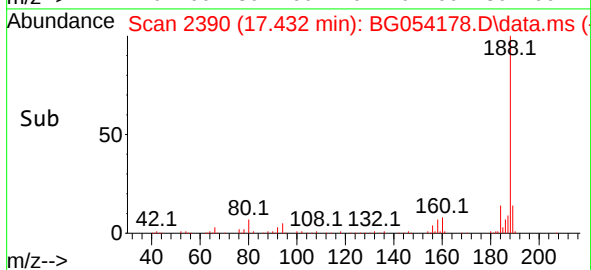
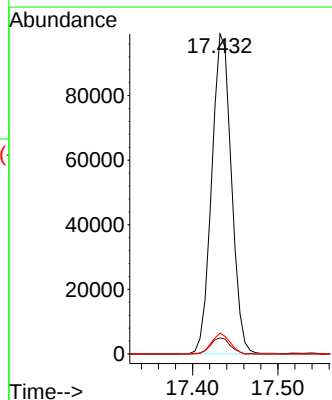
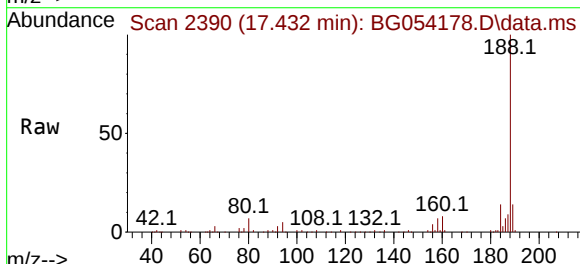
Instrument :
BNA_G
ClientSampleId :
T-1

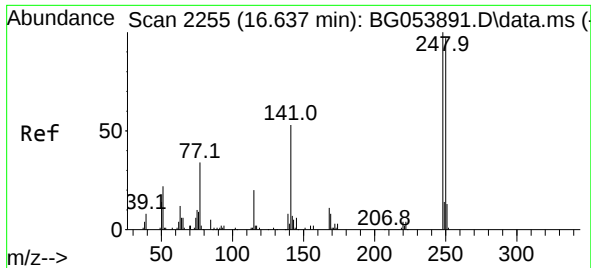
Tgt Ion:165 Resp: 8427
Ion Ratio Lower Upper
165 100
63 2.8 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2390
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion:188 Resp: 158994
Ion Ratio Lower Upper
188 100
94 5.0 5.4 8.0#
80 6.5 6.8 10.2#

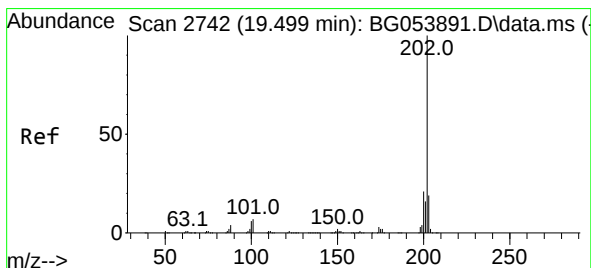
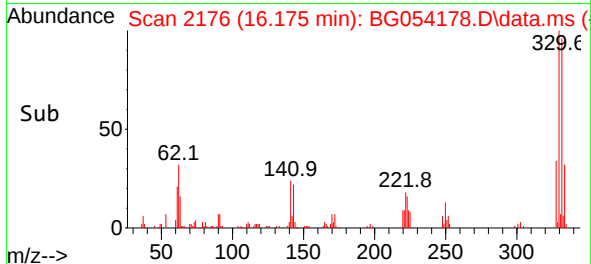
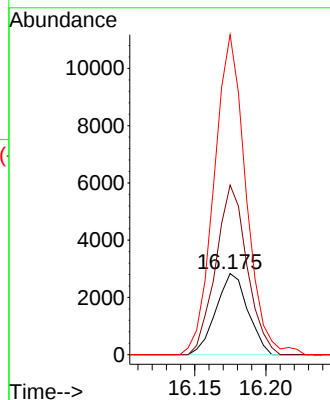
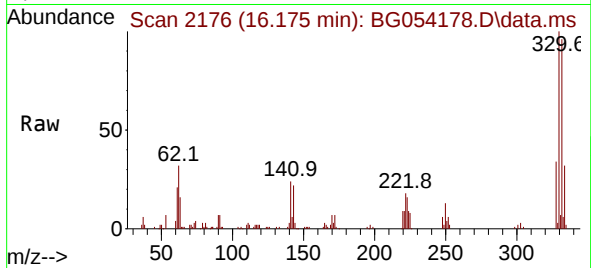




#67
4-Bromophenyl-phenylether
Concen: 2.227 ng
RT: 16.175 min Scan# 2176
Delta R.T. -0.450 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

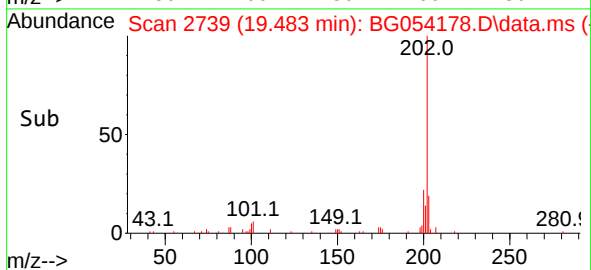
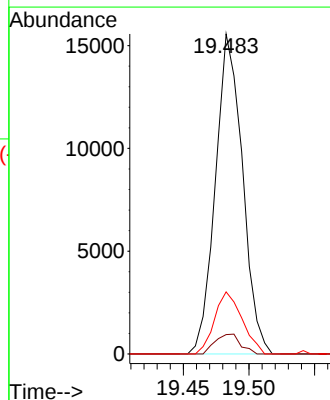
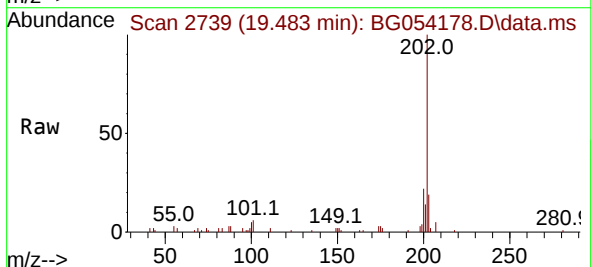
Instrument :
BNA_G
ClientSampleId :
T-1

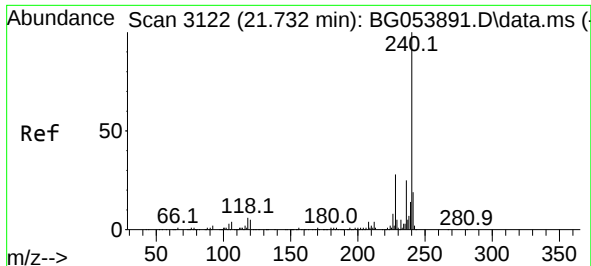
Tgt Ion:248 Resp: 4423
Ion Ratio Lower Upper
248 100
250 208.2 75.2 112.8#
141 293.0 50.0 75.0#



#75
Fluoranthene
Concen: 2.082 ng
RT: 19.483 min Scan# 2739
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion:202 Resp: 22322
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.9
203 19.4 0.0 37.2

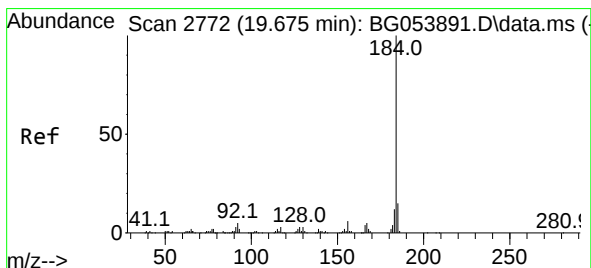
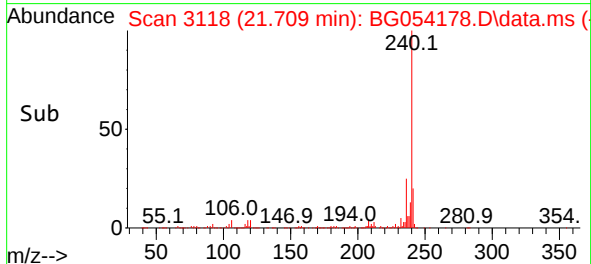
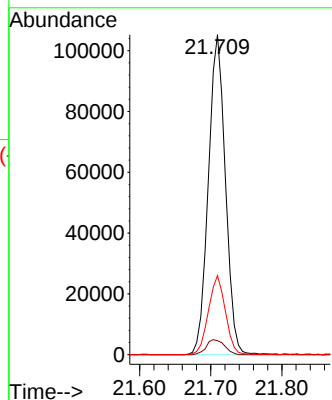
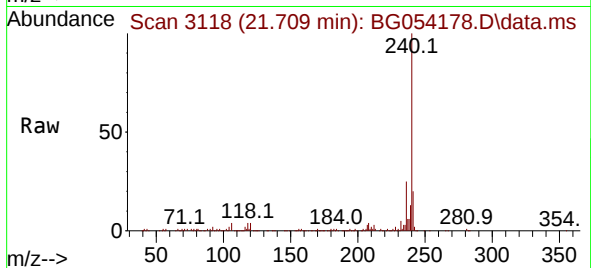




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.709 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

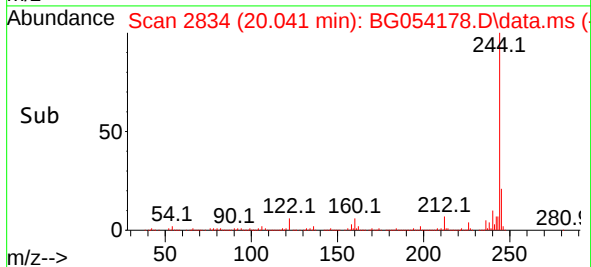
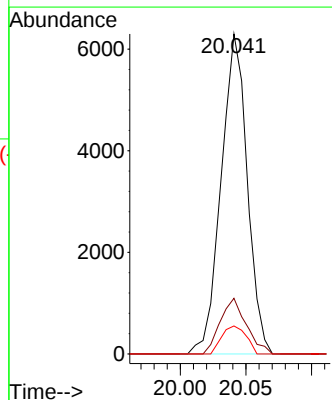
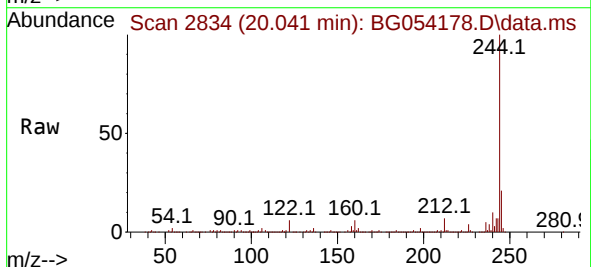
Instrument :
BNA_G
ClientSampleId :
T-1

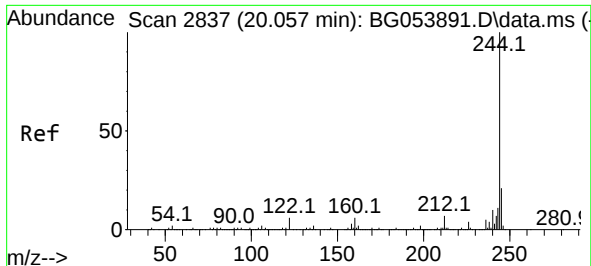
Tgt Ion:240 Resp: 175256
Ion Ratio Lower Upper
240 100
120 4.4 4.6 7.0#
236 24.7 20.2 30.4



#77
Benzidine
Concen: 2.402 ng
RT: 20.041 min Scan# 2834
Delta R.T. 0.378 min
Lab File: BG054178.D
Acq: 30 Jun 2022 20:45

Tgt Ion:184 Resp: 8719
Ion Ratio Lower Upper
184 100
185 17.4 11.8 17.6
183 8.7 8.9 13.3#

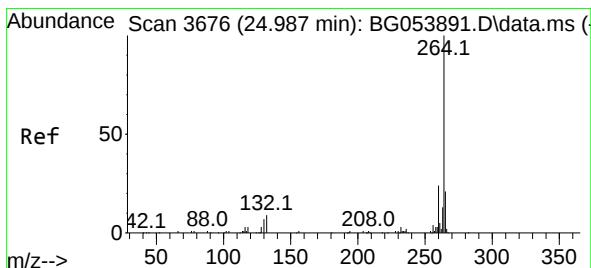
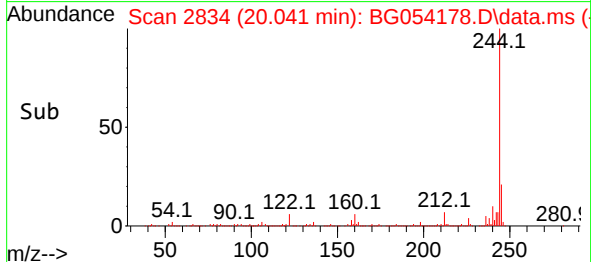
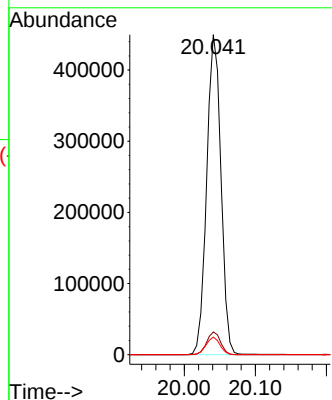
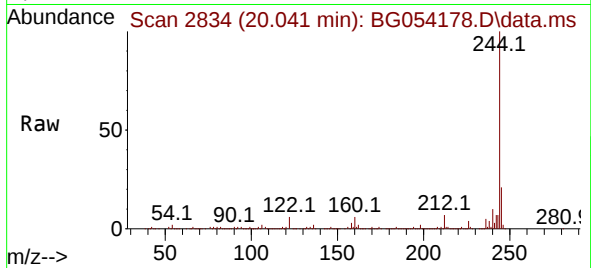




#79
 Terphenyl-d14
 Concen: 72.195 ng
 RT: 20.041 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054178.D
 Acq: 30 Jun 2022 20:45

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Tgt Ion:244 Resp: 628204
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 5.5 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.959 min Scan# 3671
 Delta R.T. -0.004 min
 Lab File: BG054178.D
 Acq: 30 Jun 2022 20:45

Tgt Ion:264 Resp: 181279
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 21.3 17.4 26.2

