

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053248.D
 Acq On : 21 Apr 2022 19:28
 Operator : CG/JU
 Sample : N2493-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11944

Quant Time: Apr 22 02:57:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

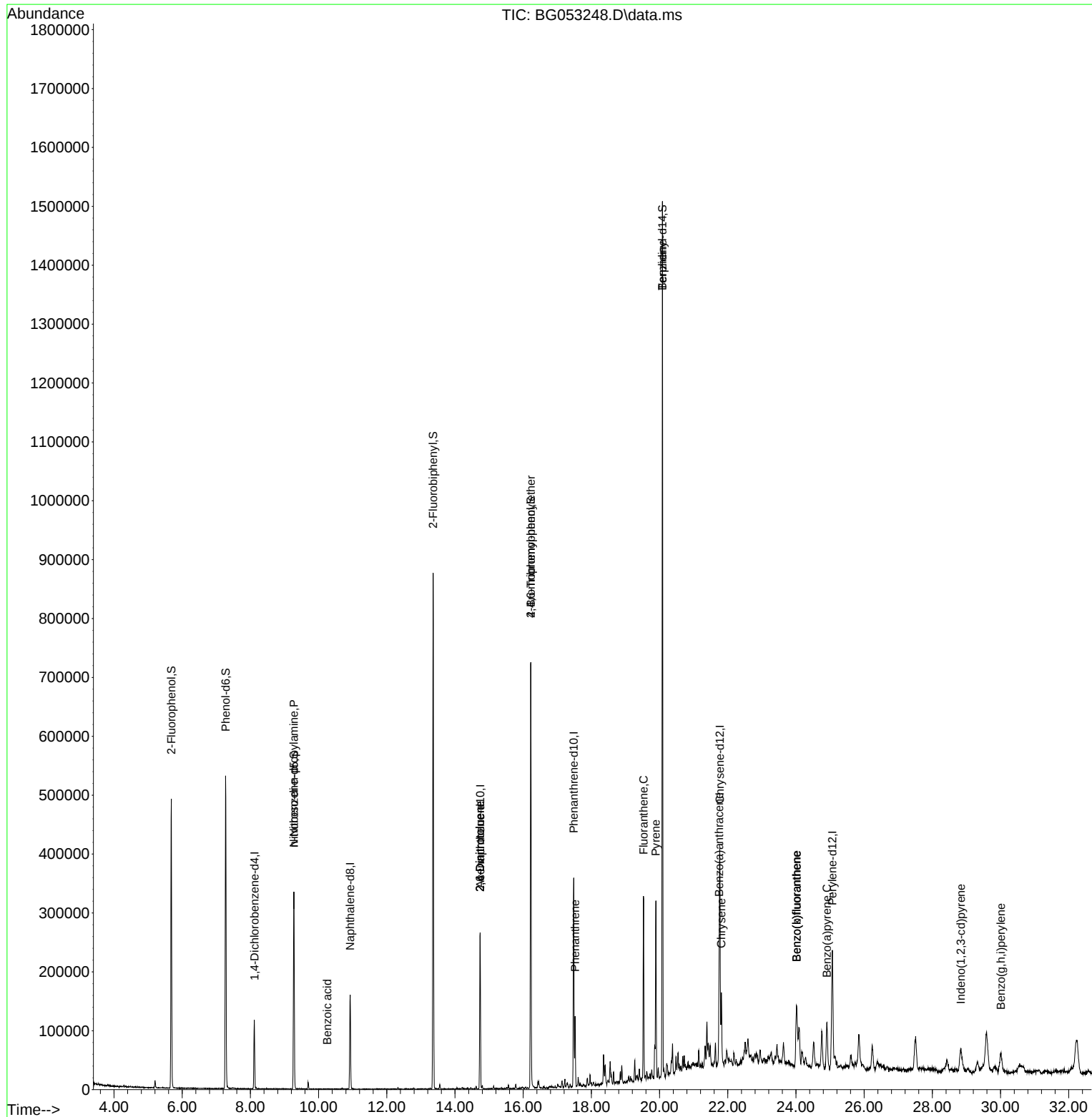
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	32775	20.000	ng	0.00
21) Naphthalene-d8	10.926	136	134699	20.000	ng	#-0.01
39) Acenaphthene-d10	14.738	164	97680	20.000	ng	-0.01
64) Phenanthrene-d10	17.481	188	222614	20.000	ng	-0.01
76) Chrysene-d12	21.764	240	202944	20.000	ng	#-0.01
86) Perylene-d12	25.065	264	208878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.680	112	202642	105.985	ng	0.00
7) Phenol-d6	7.272	99	300035	101.759	ng	-0.01
23) Nitrobenzene-d5	9.275	82	212934	64.186	ng	-0.01
42) 2,4,6-Tribromophenol	16.224	330	149100	95.943	ng	-0.01
45) 2-Fluorobiphenyl	13.358	172	463146	65.380	ng	-0.01
79) Terphenyl-d14	20.084	244	729055	60.672	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.275	70	30403	14.085	ng	# 78
32) Benzoic acid	10.256	122	160	3.747	ng	# 23
51) 2,6-Dinitrotoluene	14.732	165	13447	8.250	ng	# 25
57) 2,4-Dinitrotoluene	14.732	165	13447	5.795	ng	# 24
67) 4-Bromophenyl-phenylether	16.224	248	9614	3.370	ng	# 1
71) Phenanthrene	17.523	178	77434	6.368	ng	98
75) Fluoranthene	19.532	202	206860	13.272	ng	99
77) Benzidine	20.084	184	12468	2.153	ng	# 90
78) Pyrene	19.890	202	199436	13.798	ng	97
81) Benzo(a)anthracene	21.746	228	93623	6.747	ng	99
83) Chrysene	21.811	228	100721	7.821	ng	94
87) Indeno(1,2,3-cd)pyrene	28.837	276	69803	4.498	ng	# 91
88) Benzo(b)fluoranthene	24.020	252	138940	10.543	ng	98
89) Benzo(k)fluoranthene	24.020	252	138940	10.727	ng	97
90) Benzo(a)pyrene	24.907	252	90316	8.044	ng	97
92) Benzo(g,h,i)perylene	30.012	276	68280	5.424	ng	# 93

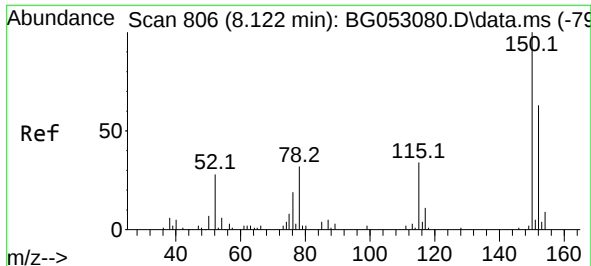
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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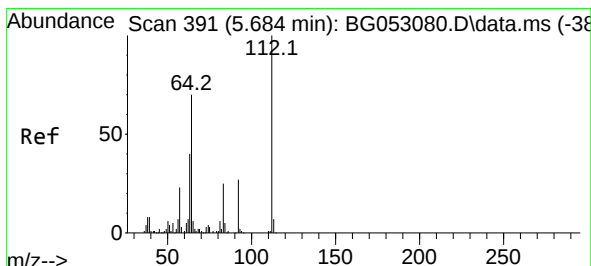
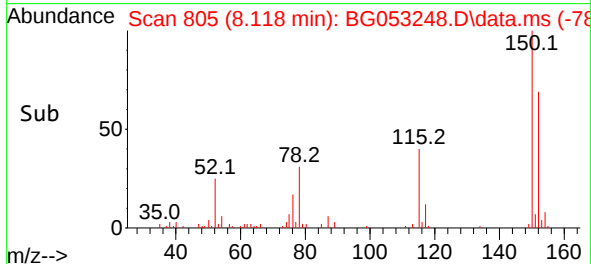
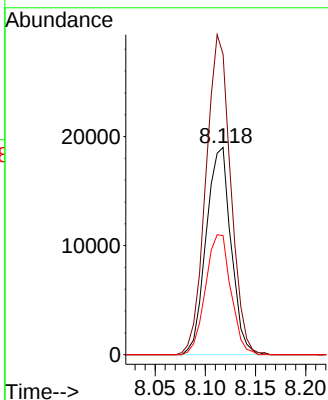
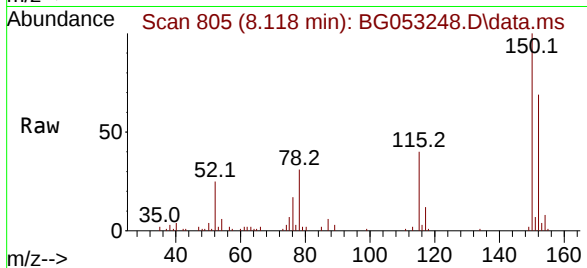




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.118 min Scan# 806
Delta R.T. -0.004 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

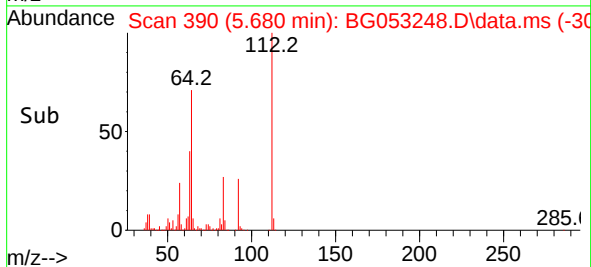
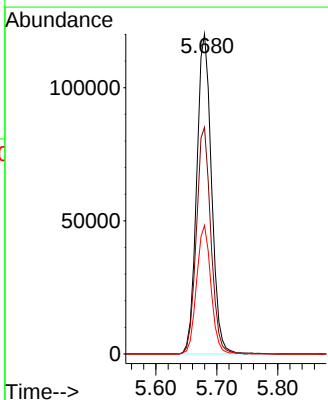
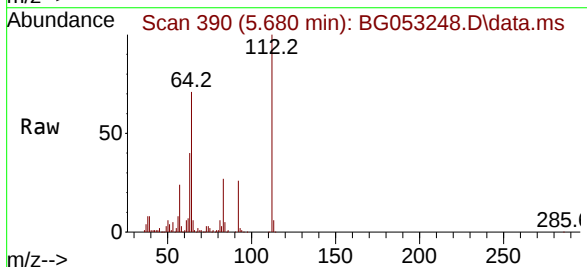
Instrument :
BNA_G
ClientSampleId :
72-11944

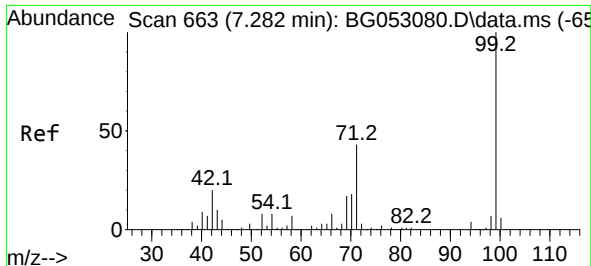
Tgt Ion:152 Resp: 32775
Ion Ratio Lower Upper
152 100
150 144.9 114.6 172.0
115 57.4 45.9 68.9



#5
2-Fluorophenol
Concen: 105.985 ng
RT: 5.680 min Scan# 390
Delta R.T. -0.004 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion:112 Resp: 202642
Ion Ratio Lower Upper
112 100
64 70.8 48.0 72.0
63 40.2 26.5 39.7#

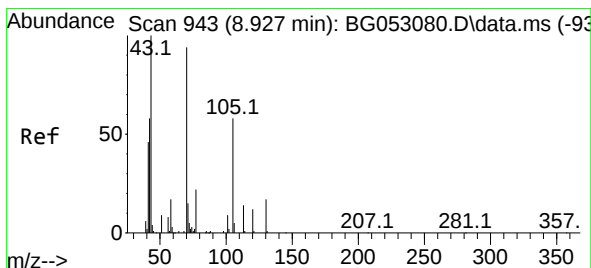
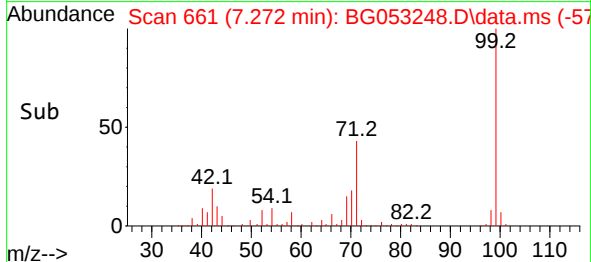
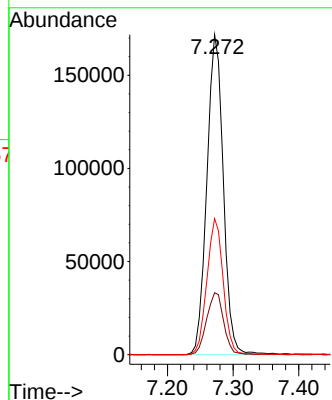
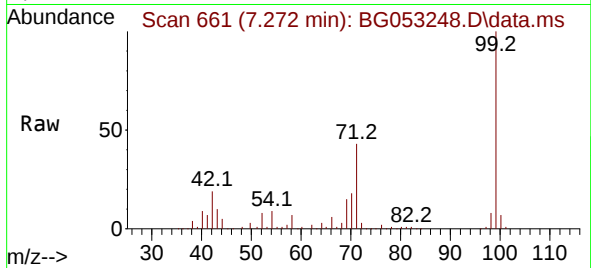




#7
Phenol-d6
Concen: 101.759 ng
RT: 7.272 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

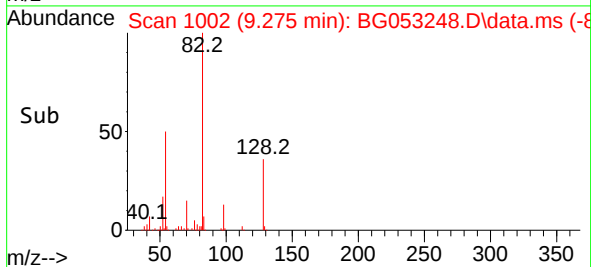
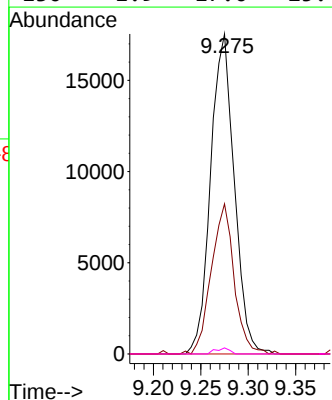
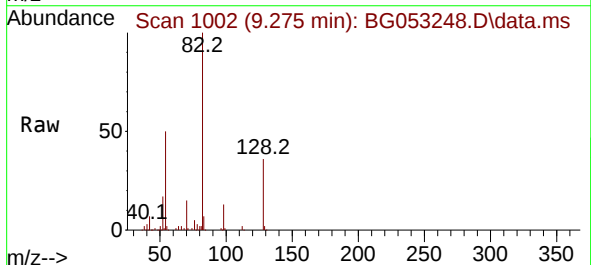
Instrument :
BNA_G
ClientSampleId :
72-11944

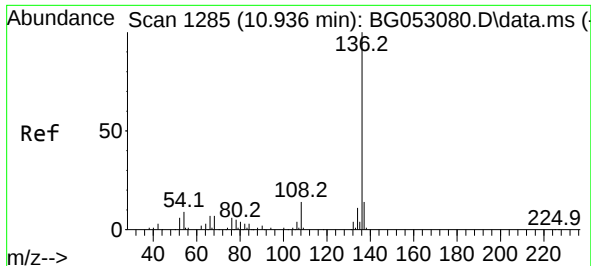
Tgt Ion: 99 Resp: 300035
Ion Ratio Lower Upper
99 100
42 19.3 14.7 22.1
71 42.5 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.085 ng
RT: 9.275 min Scan# 1002
Delta R.T. 0.348 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion: 70 Resp: 30403
Ion Ratio Lower Upper
70 100
42 46.9 46.0 69.0
101 0.0 6.2 9.4#
130 1.9 17.0 25.4#

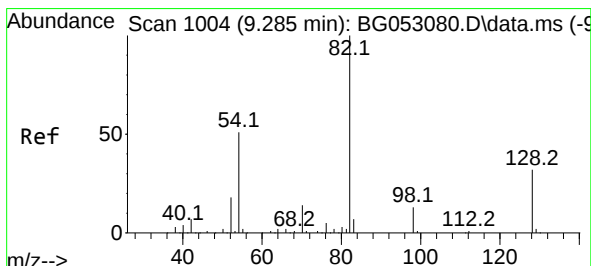
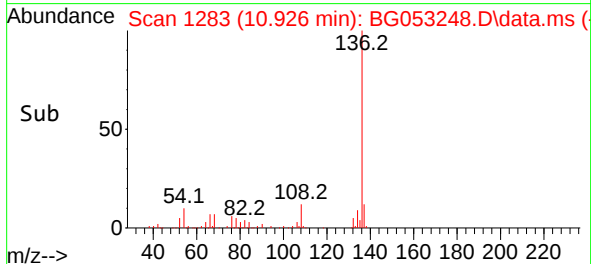
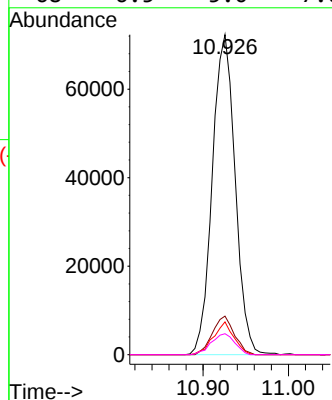
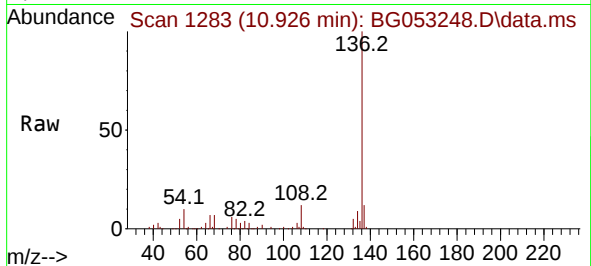




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.926 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

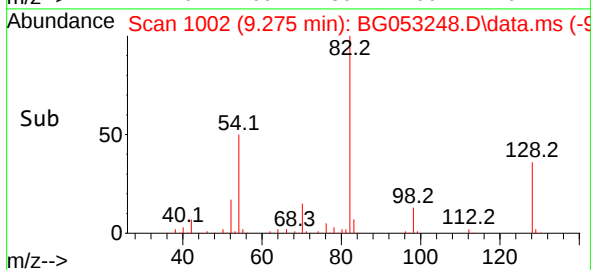
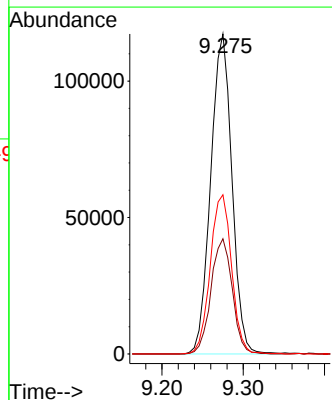
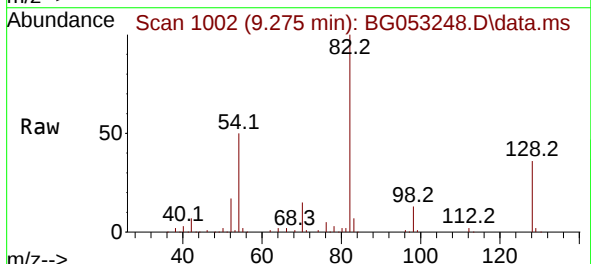
Instrument :
BNA_G
ClientSampleId :
72-11944

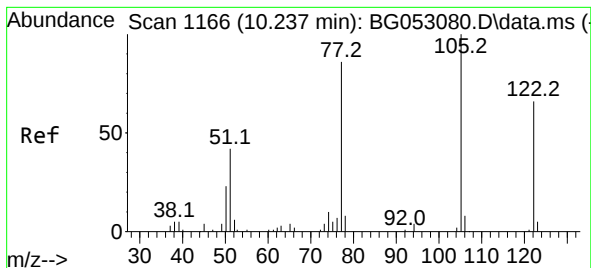
Tgt Ion:136 Resp: 134699
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 10.2 6.4 9.6#
68 6.5 5.0 7.6



#23
Nitrobenzene-d5
Concen: 64.186 ng
RT: 9.275 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion: 82 Resp: 212934
Ion Ratio Lower Upper
82 100
128 36.0 31.3 46.9
54 49.8 37.8 56.8





#32

Benzoic acid

Concen: 3.747 ng

RT: 10.256 min Scan# 1169

Delta R.T. 0.019 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

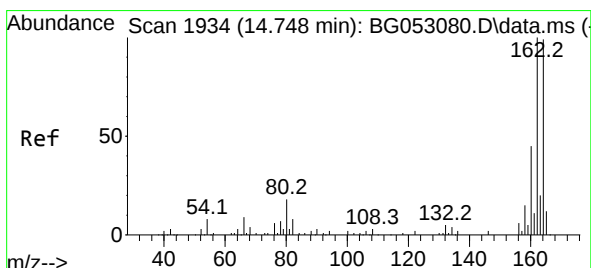
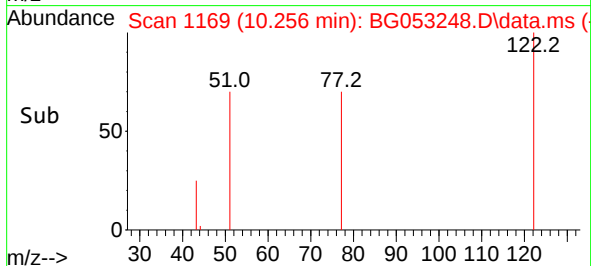
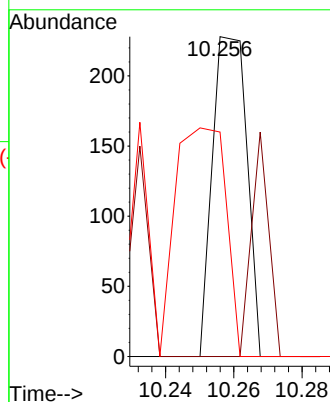
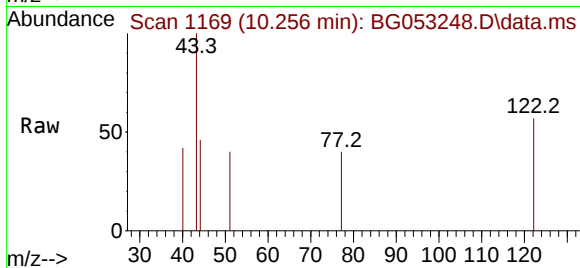
Instrument :

BNA_G

ClientSampleId :

72-11944

Tgt Ion:122	Resp:	160
Ion Ratio	Lower	Upper
122	100	
105	0.0	112.8 152.8#
77	70.2	78.4 118.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

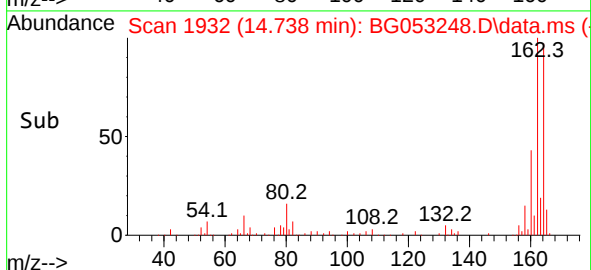
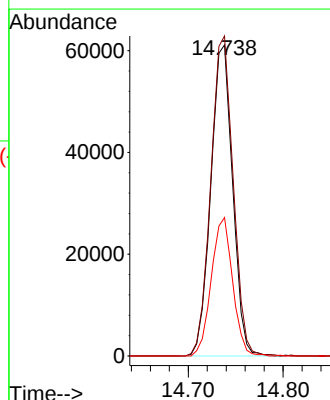
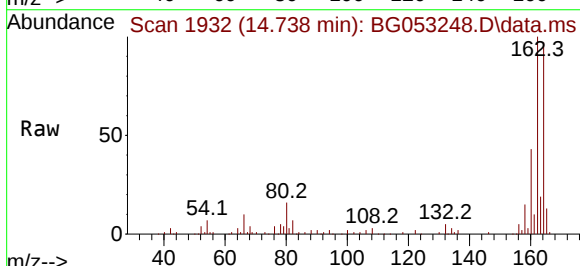
RT: 14.738 min Scan# 1932

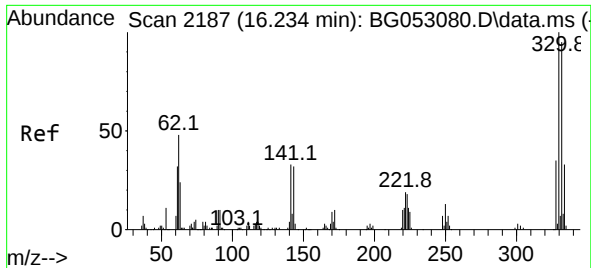
Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

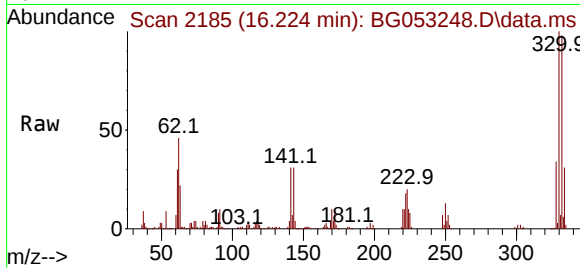
Tgt Ion:164	Resp:	97680
Ion Ratio	Lower	Upper
164	100	
162	102.9	80.0 120.0
160	44.5	38.8 58.2



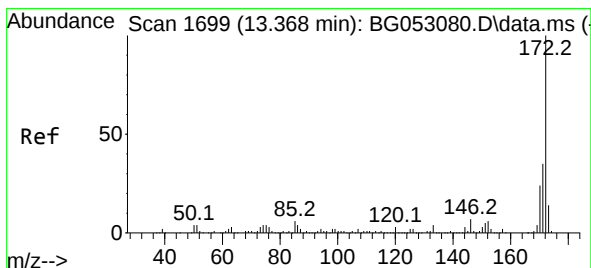
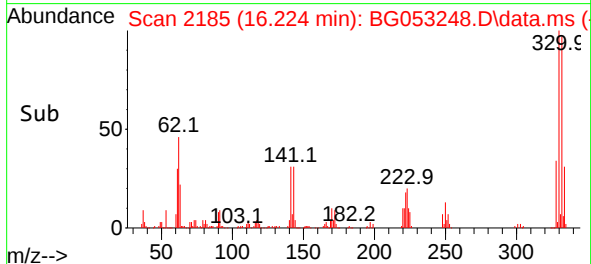
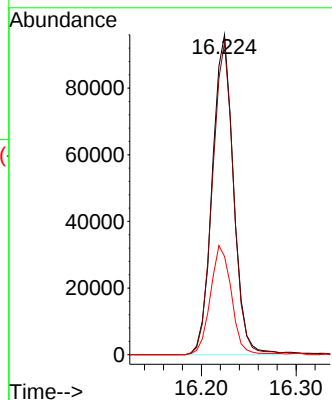


#42
2,4,6-Tribromophenol
Concen: 95.943 ng
RT: 16.224 min Scan# 2187
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Instrument :
BNA_G
ClientSampleId :
72-11944

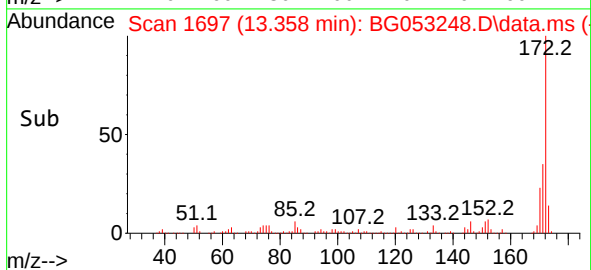
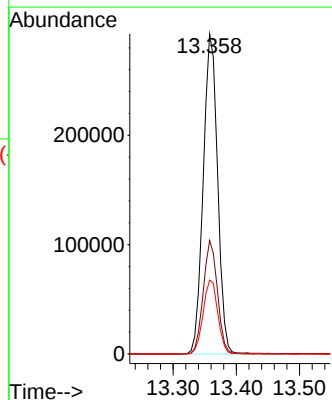
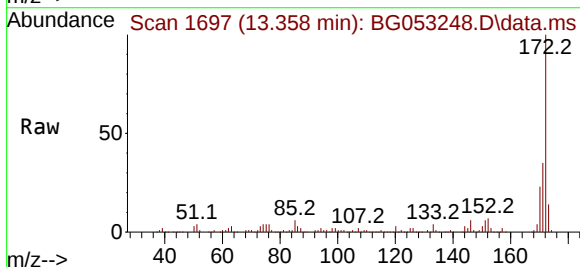


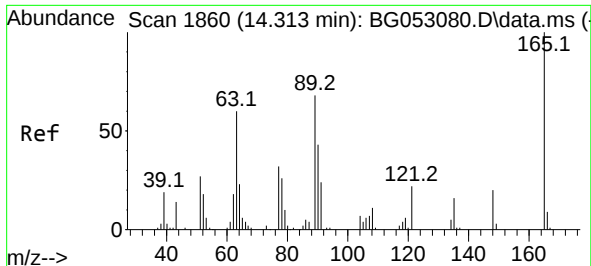
Tgt Ion:330 Resp: 149100
Ion Ratio Lower Upper
330 100
332 97.7 75.8 113.6
141 34.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 65.380 ng
RT: 13.358 min Scan# 1697
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion:172 Resp: 463146
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.1 18.0 27.0





#51

2,6-Dinitrotoluene

Concen: 8.250 ng

RT: 14.732 min Scan# 1931

Delta R.T. 0.419 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

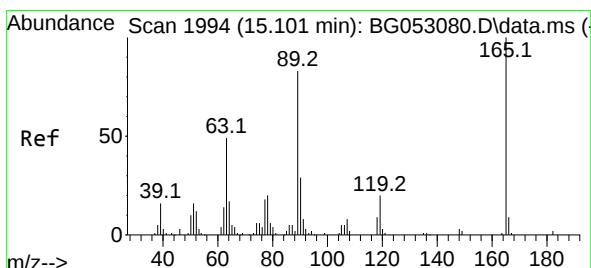
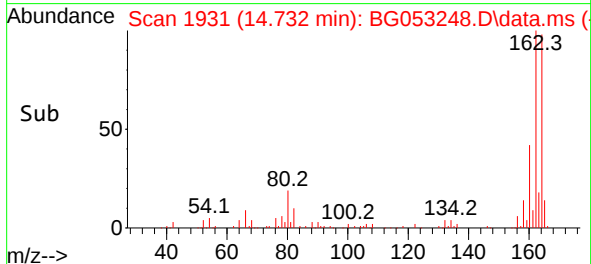
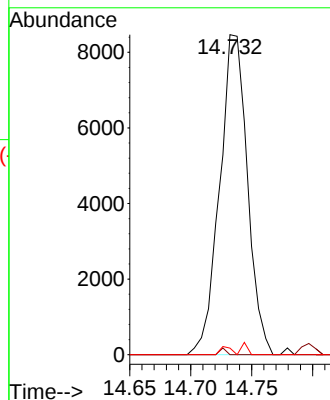
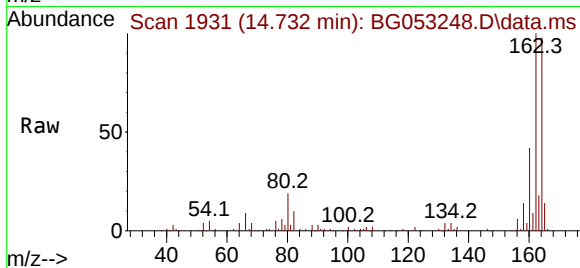
Tgt Ion:165 Resp: 13447

Ion Ratio Lower Upper

165 100

63 0.0 43.7 65.5#

89 2.1 45.0 67.4#



#57

2,4-Dinitrotoluene

Concen: 5.795 ng

RT: 14.732 min Scan# 1931

Delta R.T. -0.368 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Tgt Ion:165 Resp: 13447

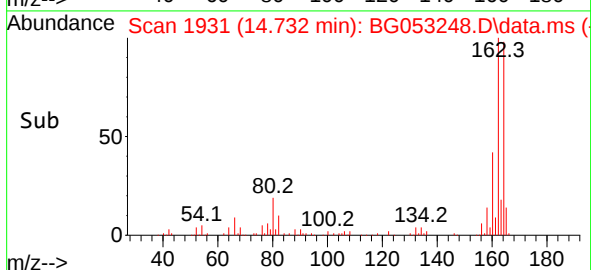
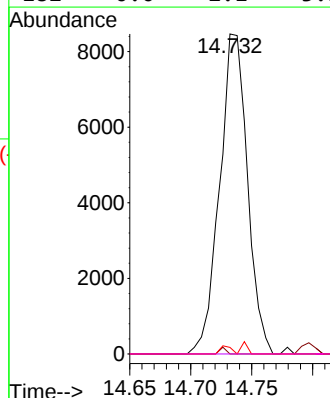
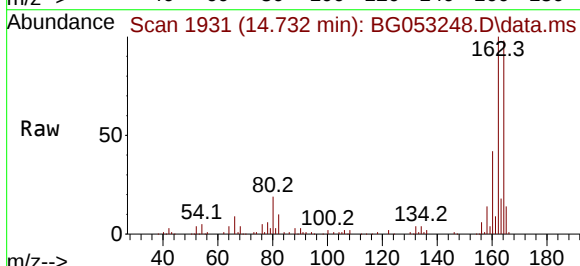
Ion Ratio Lower Upper

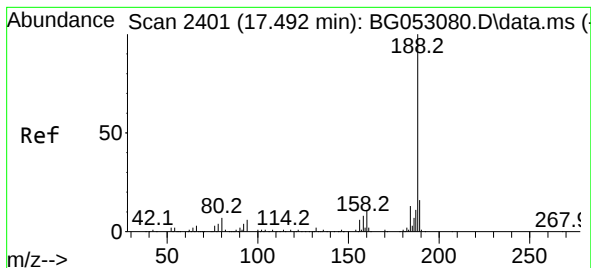
165 100

63 0.0 34.8 52.2#

89 2.1 57.4 86.0#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.481 min Scan# 2185

Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

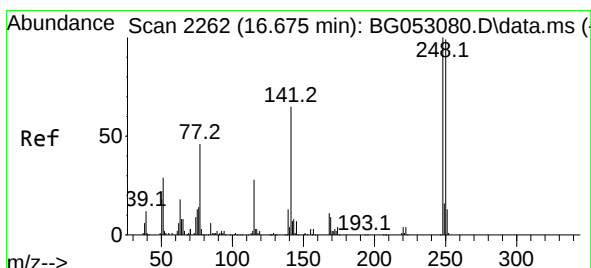
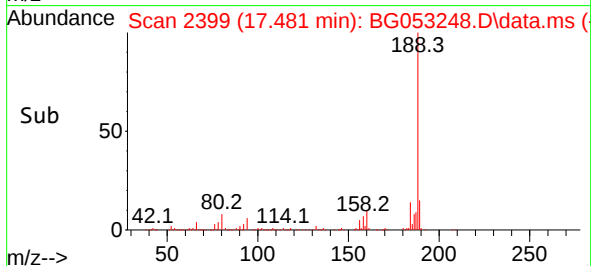
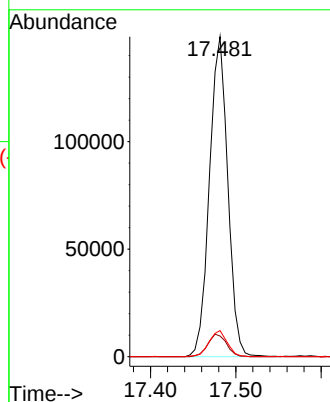
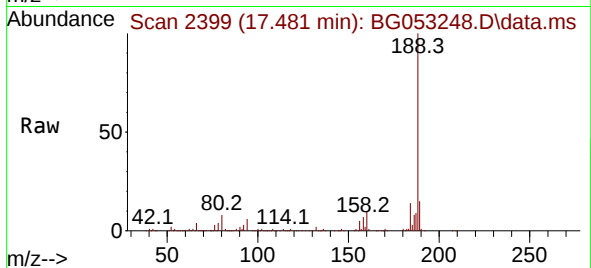
Tgt Ion:188 Resp: 222614

Ion Ratio Lower Upper

188 100

94 6.5 5.7 8.5

80 8.1 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.370 ng

RT: 16.224 min Scan# 2185

Delta R.T. -0.451 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

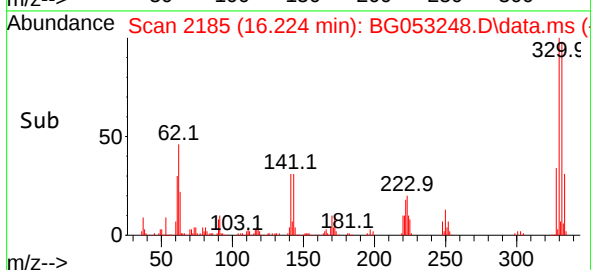
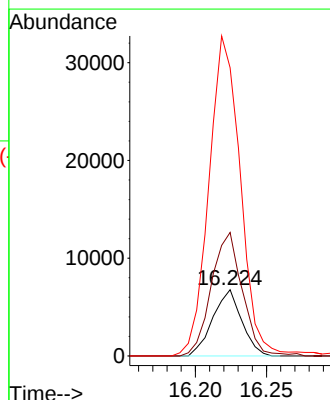
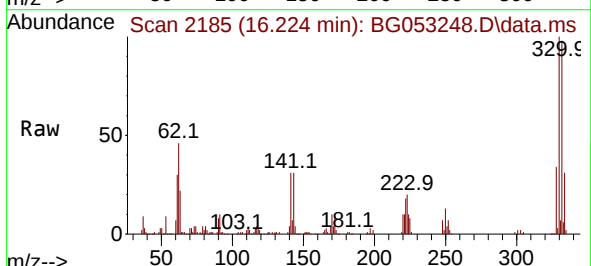
Tgt Ion:248 Resp: 9614

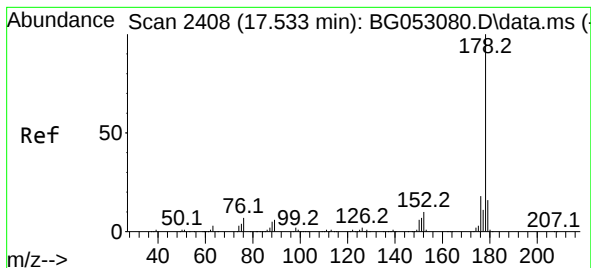
Ion Ratio Lower Upper

248 100

250 186.4 77.9 116.9#

141 434.5 49.2 73.8#





#71

Phenanthrene

Concen: 6.368 ng

RT: 17.523 min Scan# 24

Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

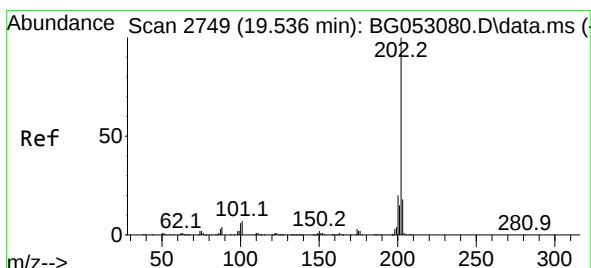
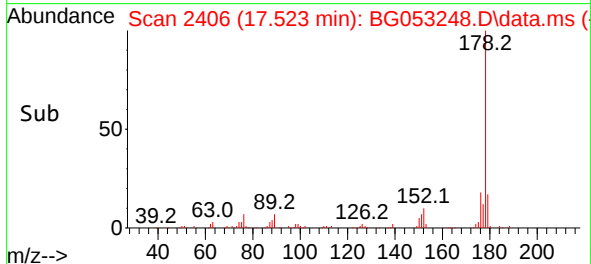
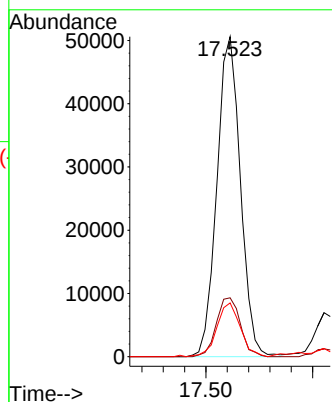
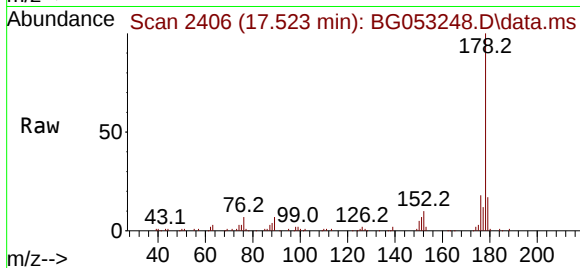
Tgt Ion:178 Resp: 77434

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

179 16.8 13.4 20.2



#75

Fluoranthene

Concen: 13.272 ng

RT: 19.532 min Scan# 2748

Delta R.T. -0.004 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

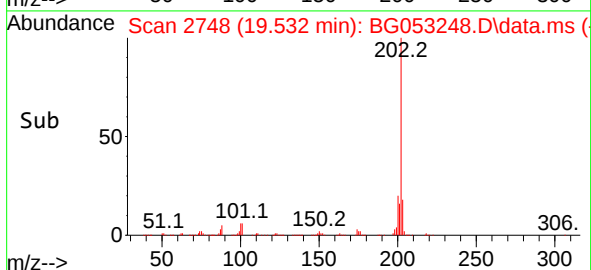
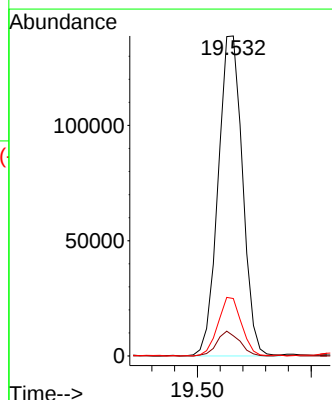
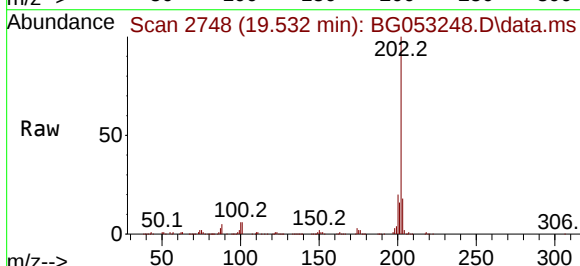
Tgt Ion:202 Resp: 206860

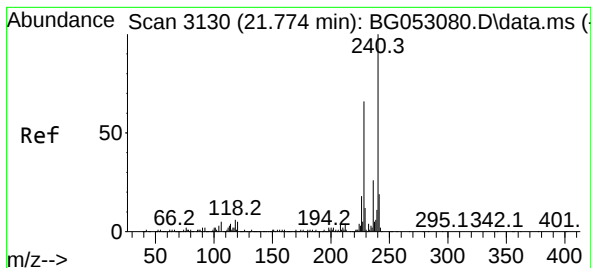
Ion Ratio Lower Upper

202 100

101 6.3 0.0 27.3

203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.764 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

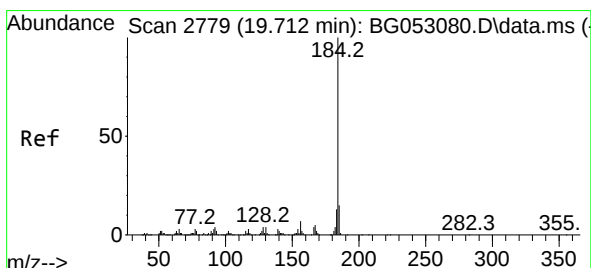
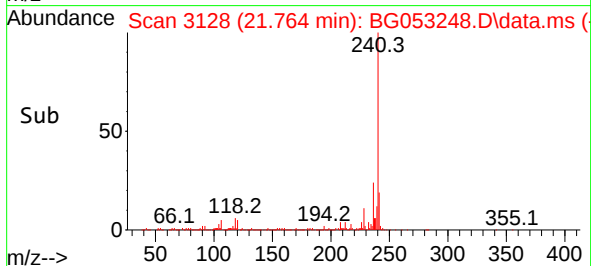
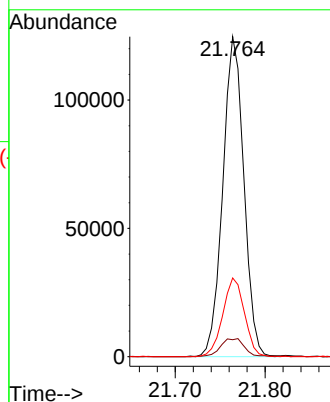
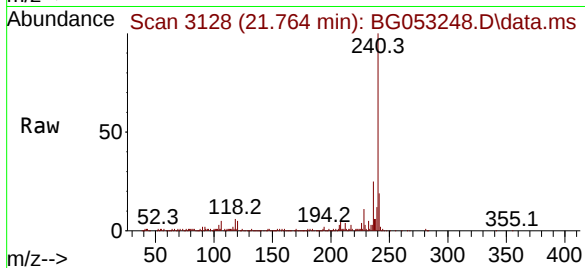
Tgt Ion:240 Resp: 202944

Ion Ratio Lower Upper

240 100

120 5.3 5.4 8.0#

236 24.6 19.8 29.6



#77

Benzidine

Concen: 2.153 ng

RT: 20.084 min Scan# 2842

Delta R.T. 0.372 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

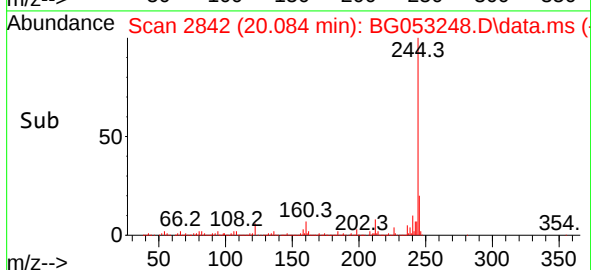
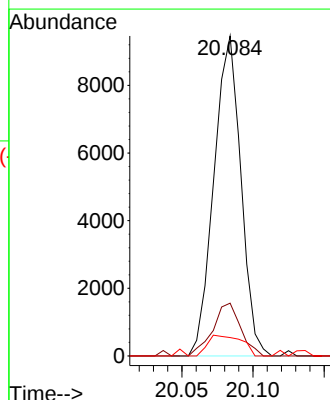
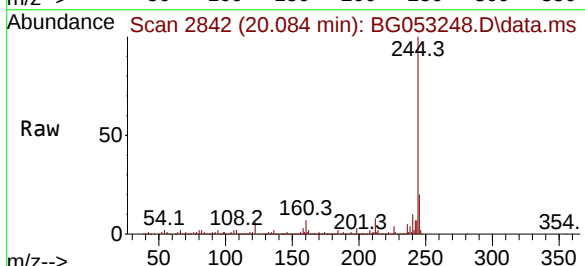
Tgt Ion:184 Resp: 12468

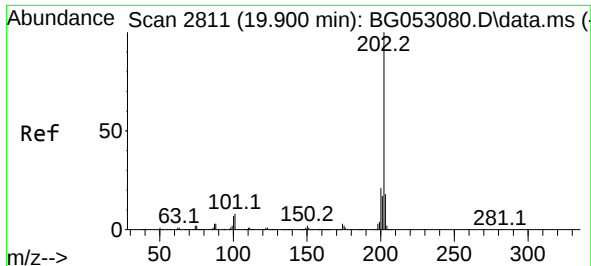
Ion Ratio Lower Upper

184 100

185 16.5 11.5 17.3

183 5.8 9.4 14.2#

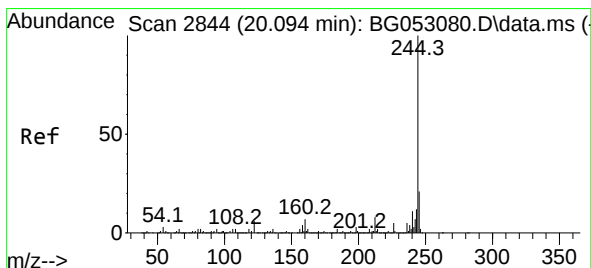
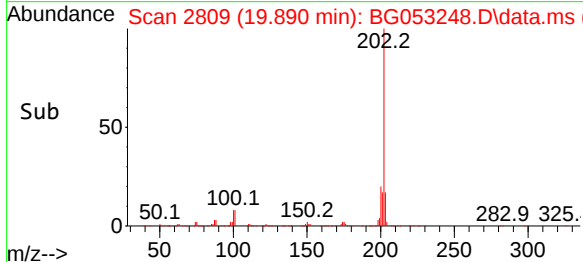
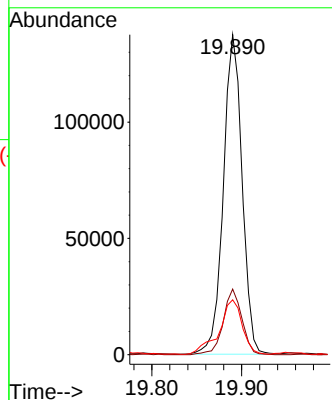
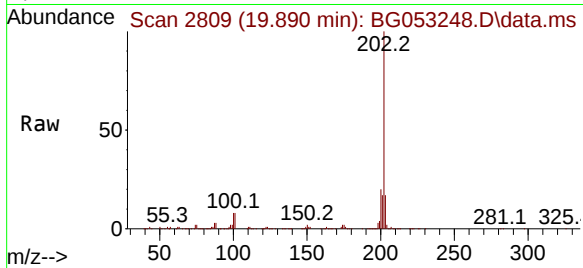




#78
 Pyrene
 Concen: 13.798 ng
 RT: 19.890 min Scan# 2809
 Delta R.T. -0.010 min
 Lab File: BG053248.D
 Acq: 21 Apr 2022 19:28

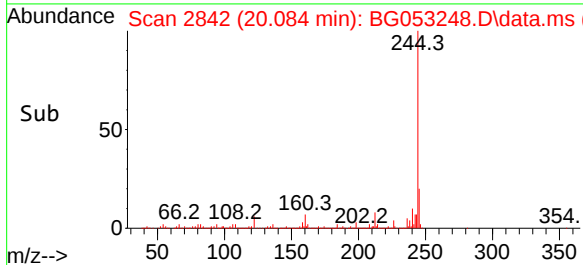
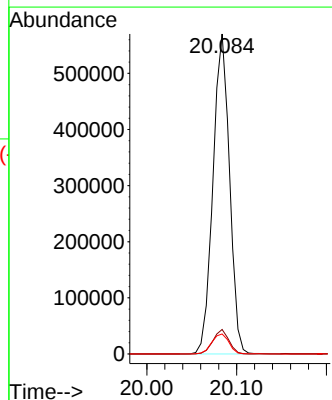
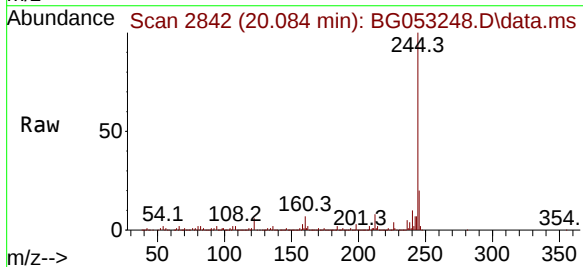
Instrument :
 BNA_G
 ClientSampleId :
 72-11944

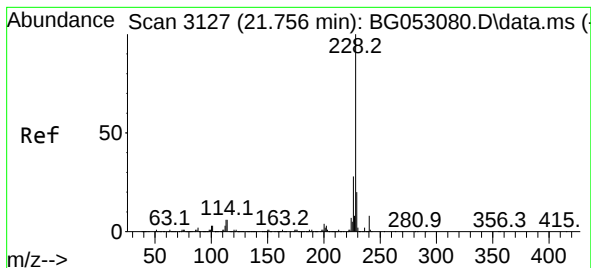
Tgt Ion:202 Resp: 199436
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.0 25.6
 203 17.1 15.0 22.6



#79
 Terphenyl-d14
 Concen: 60.672 ng
 RT: 20.084 min Scan# 2842
 Delta R.T. -0.010 min
 Lab File: BG053248.D
 Acq: 21 Apr 2022 19:28

Tgt Ion:244 Resp: 729055
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 6.3 5.8 8.6





#81

Benzo(a)anthracene

Concen: 6.747 ng

RT: 21.746 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

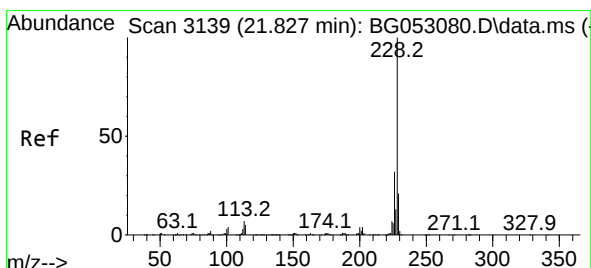
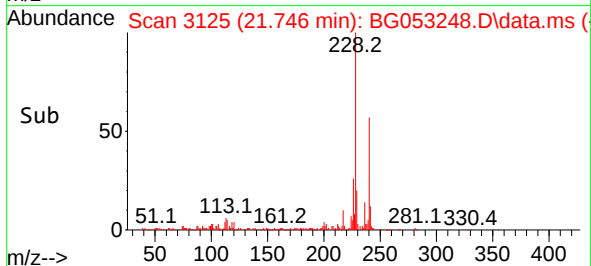
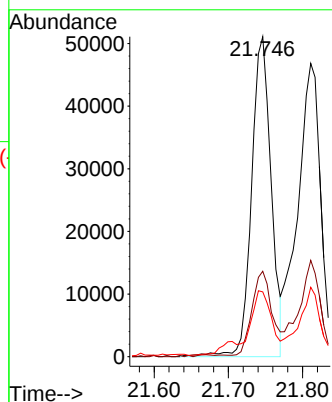
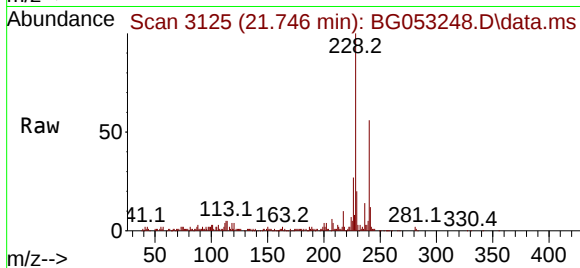
Tgt Ion:228 Resp: 93623

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

229 20.3 16.7 25.1



#83

Chrysene

Concen: 7.821 ng

RT: 21.811 min Scan# 3136

Delta R.T. -0.016 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

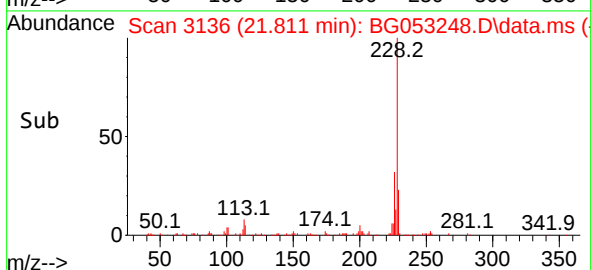
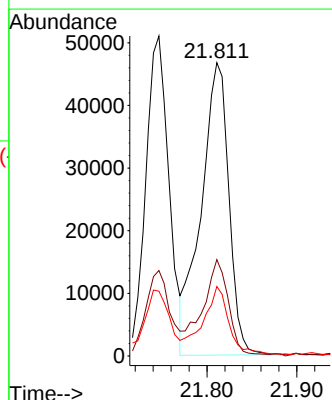
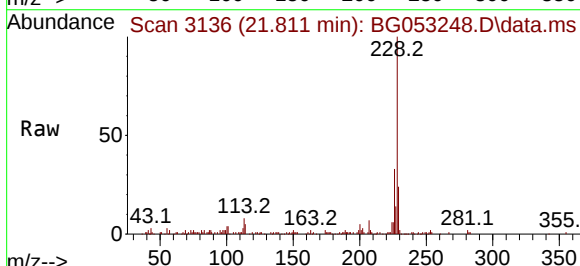
Tgt Ion:228 Resp: 100721

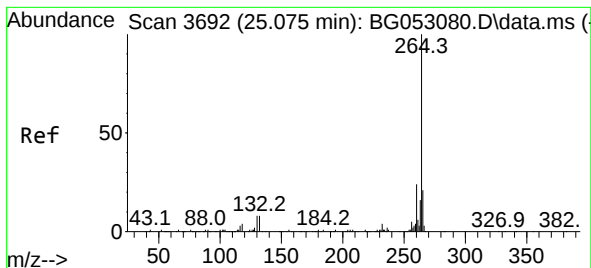
Ion Ratio Lower Upper

228 100

226 32.8 24.2 36.4

229 23.7 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.065 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

Instrument :

BNA_G

ClientSampleId :

72-11944

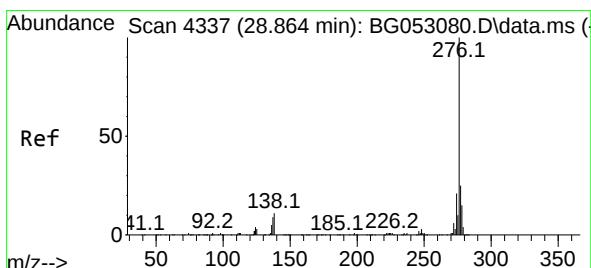
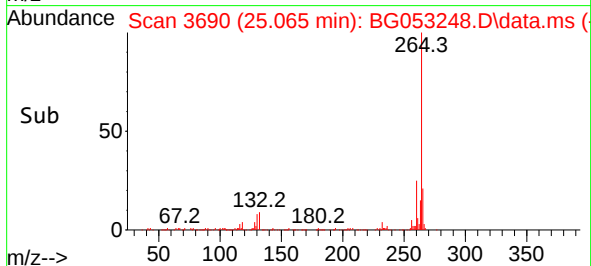
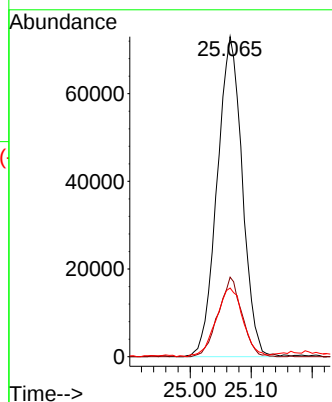
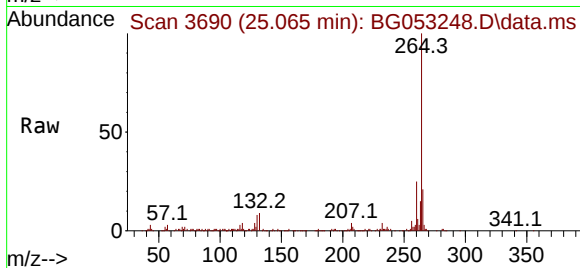
Tgt Ion:264 Resp: 208878

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

265 21.5 15.1 22.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.498 ng

RT: 28.837 min Scan# 4332

Delta R.T. -0.028 min

Lab File: BG053248.D

Acq: 21 Apr 2022 19:28

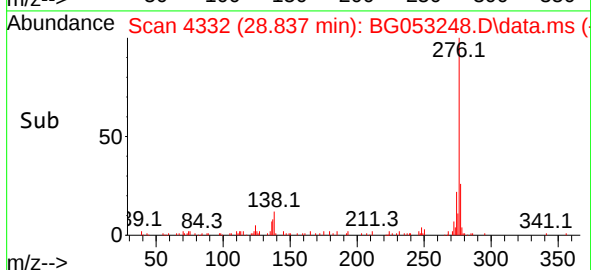
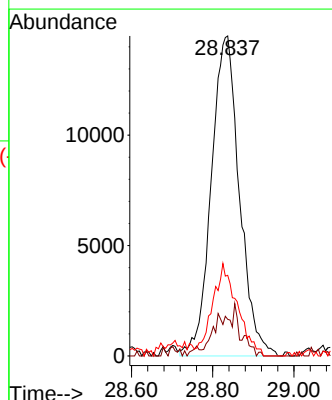
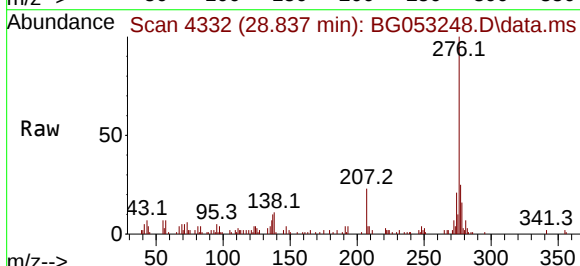
Tgt Ion:276 Resp: 69803

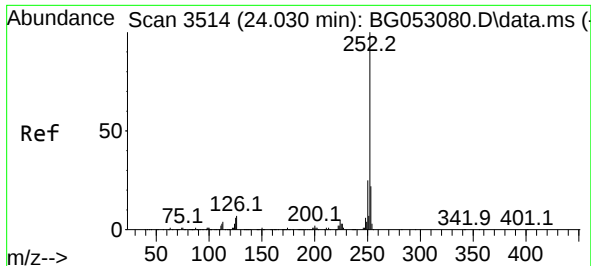
Ion Ratio Lower Upper

276 100

138 0.0 8.7 13.1#

277 25.7 20.2 30.4

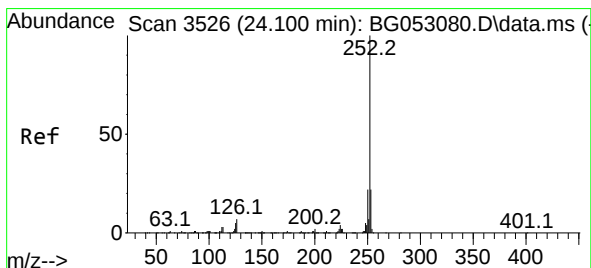
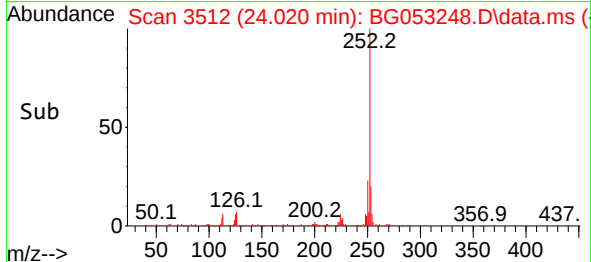
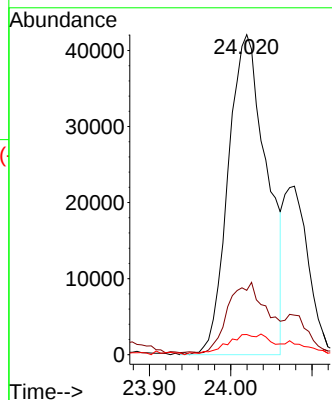
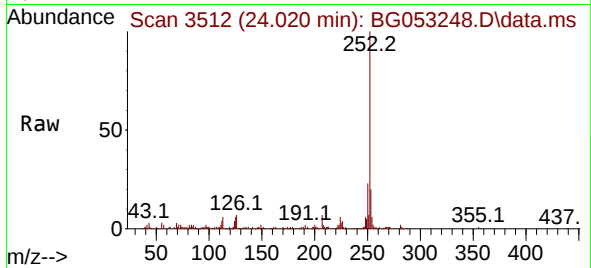




#88
Benzo(b)fluoranthene
Concen: 10.543 ng
RT: 24.020 min Scan# 3512
Delta R.T. -0.010 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

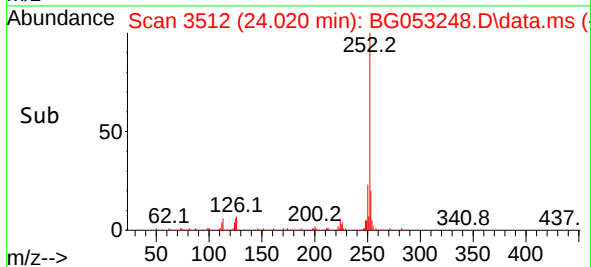
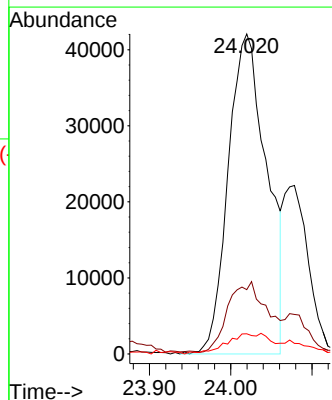
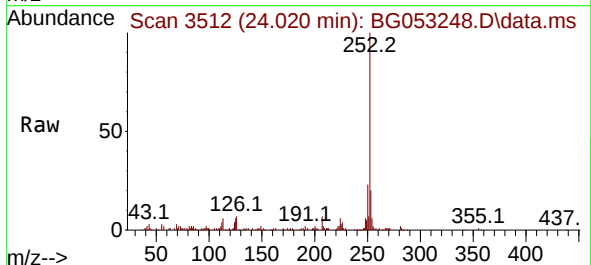
Instrument :
BNA_G
ClientSampleId :
72-11944

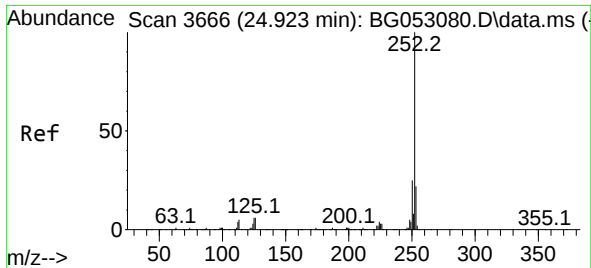
Tgt Ion:252 Resp: 138940
Ion Ratio Lower Upper
252 100
253 20.1 17.2 25.8
125 6.3 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 10.727 ng
RT: 24.020 min Scan# 3512
Delta R.T. -0.081 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion:252 Resp: 138940
Ion Ratio Lower Upper
252 100
253 20.1 17.4 26.0
125 6.3 5.0 7.4

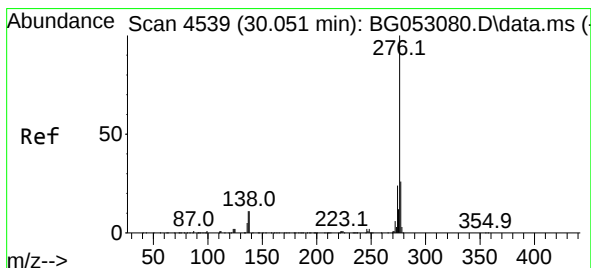
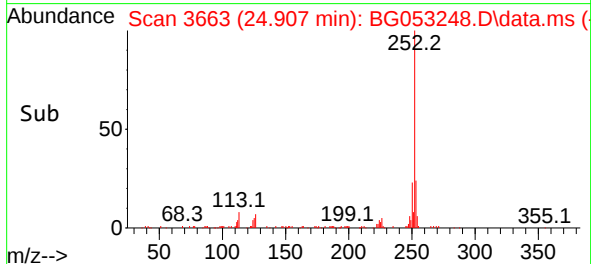
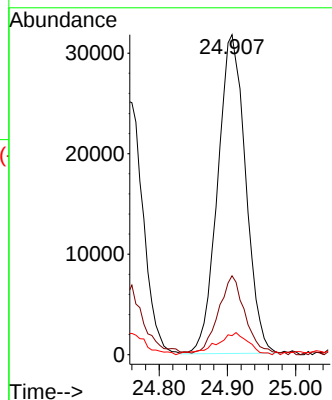
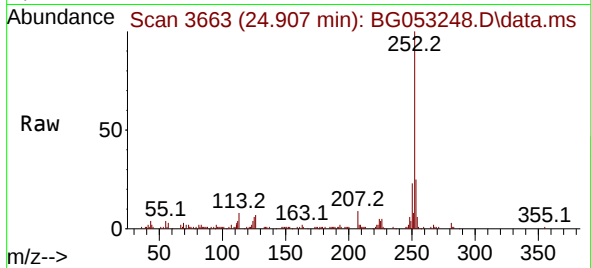




#90
Benzo(a)pyrene
Concen: 8.044 ng
RT: 24.907 min Scan# 30
Delta R.T. -0.016 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion:252 Resp: 90316
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 5.9 5.6 8.4



#92
Benzo(g,h,i)perylene
Concen: 5.424 ng
RT: 30.012 min Scan# 4532
Delta R.T. -0.039 min
Lab File: BG053248.D
Acq: 21 Apr 2022 19:28

Tgt Ion:276 Resp: 68280
Ion Ratio Lower Upper
276 100
277 26.3 18.2 27.2
138 13.8 9.1 13.7#

