

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053062.D
 Acq On : 6 Apr 2022 19:44
 Operator : CG/JU
 Sample : N2237-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0401

Quant Time: Apr 07 04:10:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

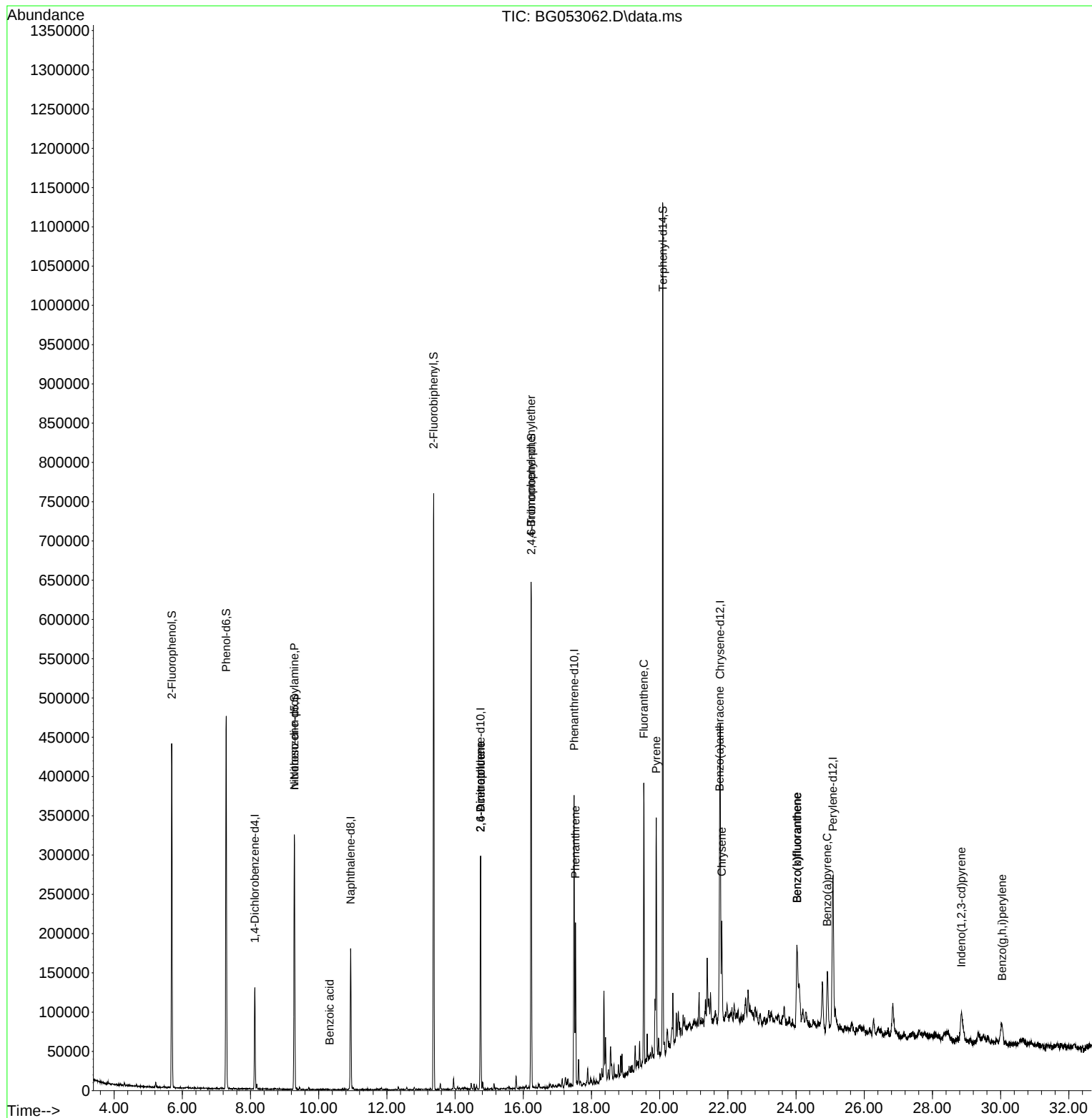
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	36138	20.000	ng	0.00
21) Naphthalene-d8	10.936	136	146439	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	105339	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	237877	20.000	ng	0.00
76) Chrysene-d12	21.775	240	213347	20.000	ng	# 0.00
86) Perylene-d12	25.082	264	223225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	177161	85.375	ng	0.00
7) Phenol-d6	7.288	99	267860	85.622	ng	0.00
23) Nitrobenzene-d5	9.286	82	207267	71.038	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	124764	88.143	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	401122	56.161	ng	0.00
79) Terphenyl-d14	20.095	244	563868	47.014	ng	0.00
Target Compounds						
9) Benzaldehyde	7.277	77	758	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	9.286	70	28199	12.727	ng	# 27
32) Benzoic acid	10.326	122	54	5.704	ng	# 1
51) 2,6-Dinitrotoluene	14.743	165	14471	10.948	ng	# 25
57) 2,4-Dinitrotoluene	14.743	165	14471	7.890	ng	# 24
67) 4-Bromophenyl-phenylether	16.229	248	8595	2.997	ng	# 1
71) Phenanthrene	17.533	178	127349	10.007	ng	96
75) Fluoranthene	19.537	202	227454	14.081	ng	100
78) Pyrene	19.901	202	188125	12.712	ng	98
81) Benzo(a)anthracene	21.757	228	103411	7.239	ng	98
83) Chrysene	21.822	228	100121	7.455	ng	97
87) Indeno(1,2,3-cd)pyrene	28.853	276	64249	4.205	ng	# 89
88) Benzo(b)fluoranthene	24.030	252	141895	10.238	ng	# 90
89) Benzo(k)fluoranthene	24.030	252	141895	10.405	ng	# 90
90) Benzo(a)pyrene	24.918	252	87462	7.455	ng	98
92) Benzo(g,h,i)perylene	30.046	276	60483	4.855	ng	98

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

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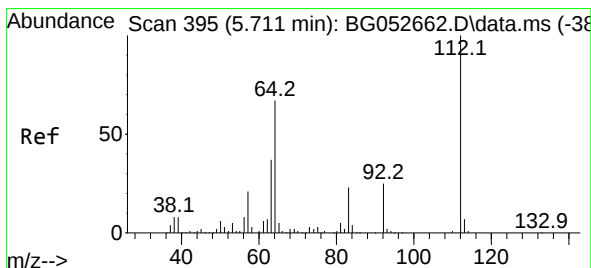
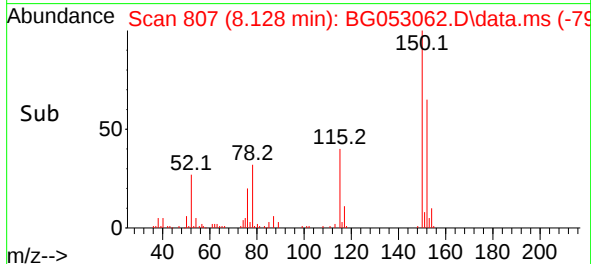
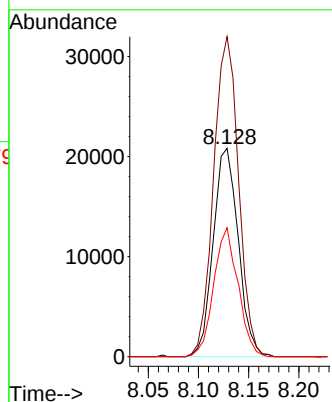
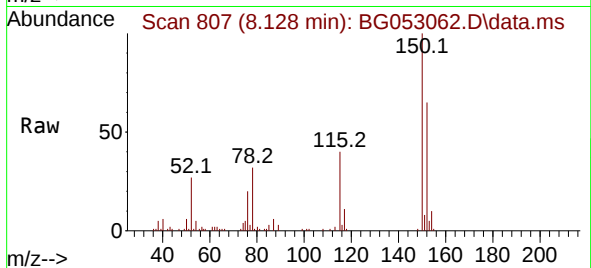




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 807
Delta R.T. 0.000 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

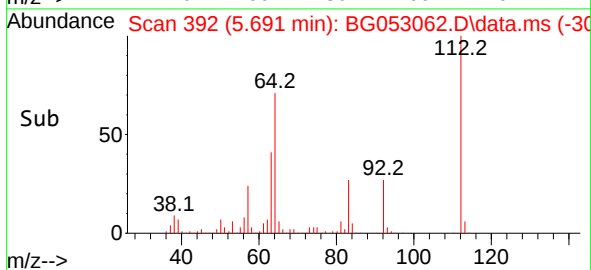
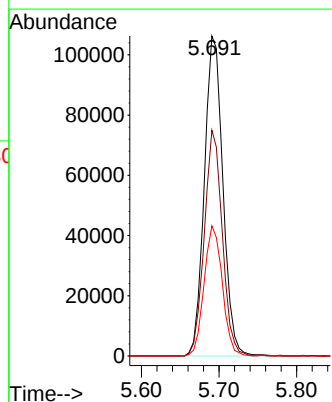
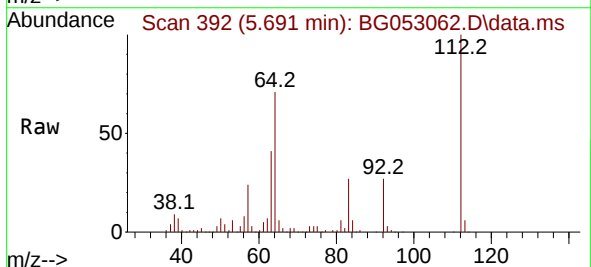
Instrument :
BNA_G
ClientSampleId :
DUP-0401

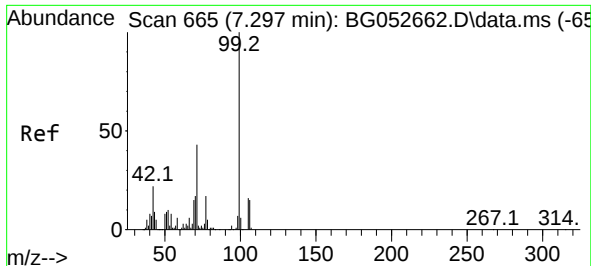
Tgt Ion:152 Resp: 36138
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 61.9 45.9 68.9



#5
2-Fluorophenol
Concen: 85.375 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.006 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:112 Resp: 177161
Ion Ratio Lower Upper
112 100
64 70.5 48.0 72.0
63 40.7 26.5 39.7#

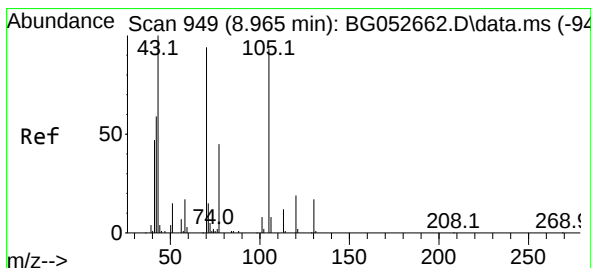
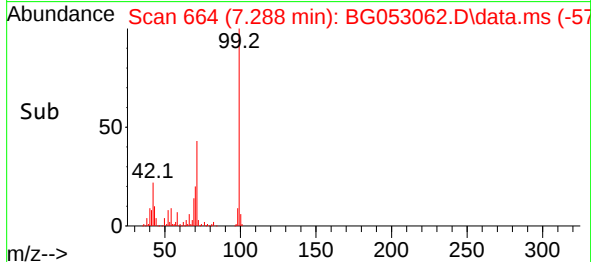
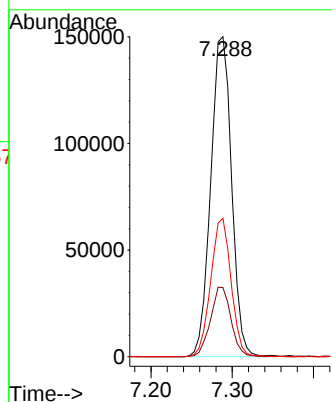
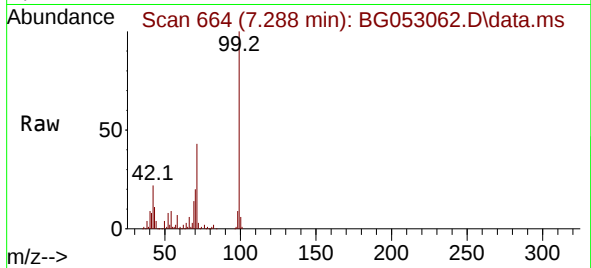




#7
Phenol-d6
Concen: 85.622 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

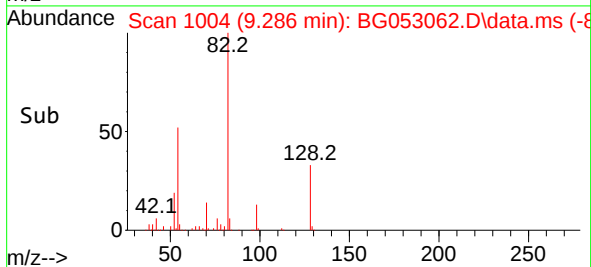
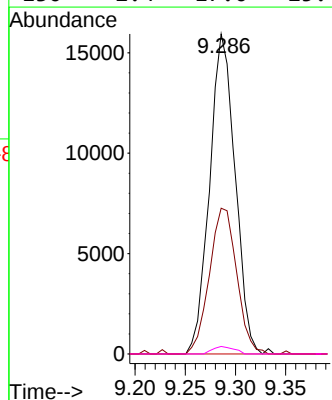
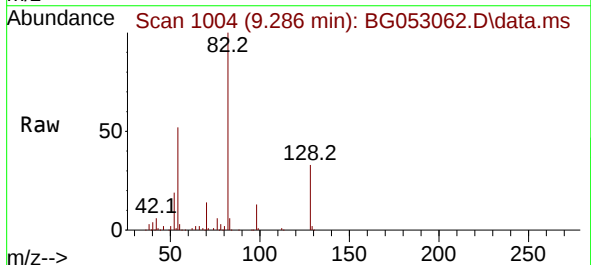
Instrument :
BNA_G
ClientSampleId :
DUP-0401

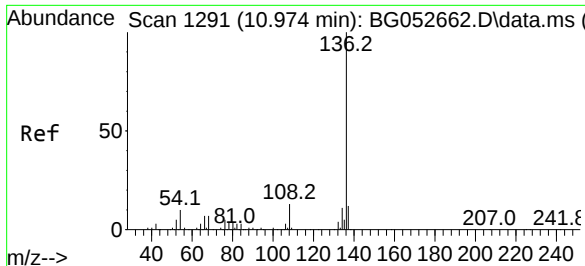
Tgt Ion: 99 Resp: 267860
Ion Ratio Lower Upper
99 100
42 21.6 14.7 22.1
71 43.3 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.727 ng
RT: 9.286 min Scan# 1004
Delta R.T. 0.359 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion: 70 Resp: 28199
Ion Ratio Lower Upper
70 100
42 45.5 46.0 69.0#
101 0.0 6.2 9.4#
130 2.4 17.0 25.4#

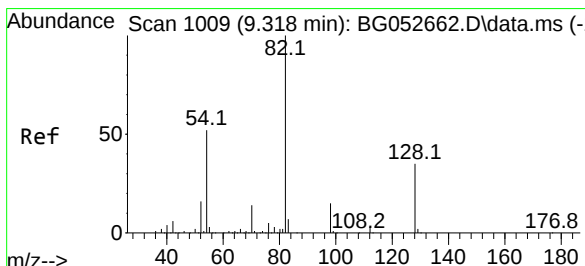
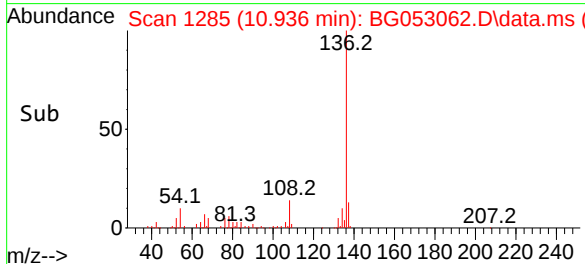
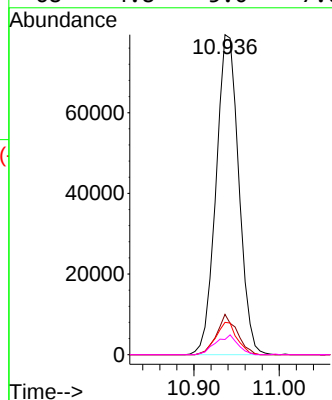
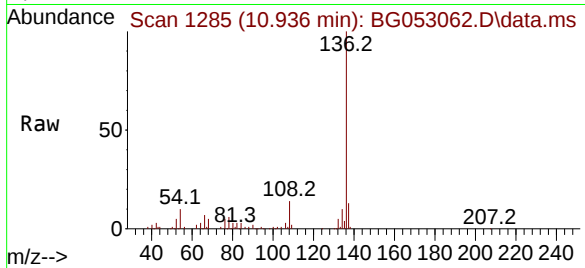




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.936 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

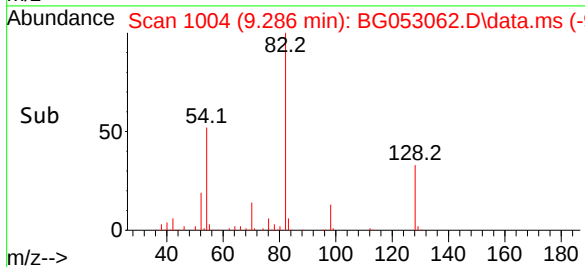
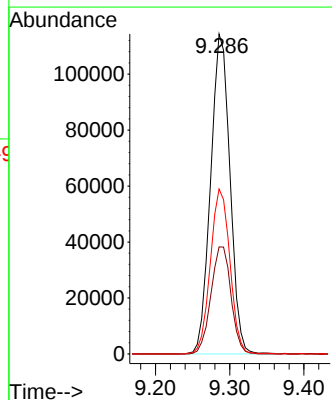
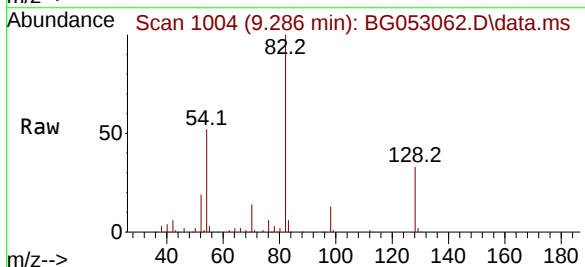
Instrument :
BNA_G
ClientSampleId :
DUP-0401

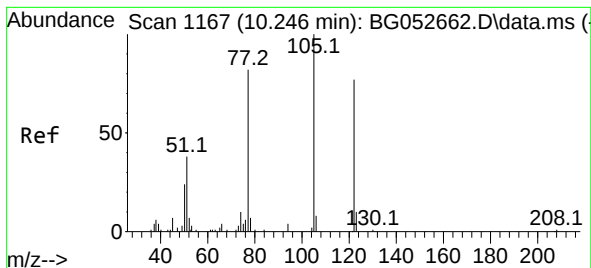
Tgt Ion:136 Resp: 146439
Ion Ratio Lower Upper
136 100
137 12.6 9.4 14.2
54 10.1 6.4 9.6#
68 4.8 5.0 7.6#



#23
Nitrobenzene-d5
Concen: 71.038 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion: 82 Resp: 207267
Ion Ratio Lower Upper
82 100
128 33.5 31.3 46.9
54 51.6 37.8 56.8





#32

Benzoic acid

Concen: 5.704 ng

RT: 10.326 min Scan# 1167

Delta R.T. 0.089 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

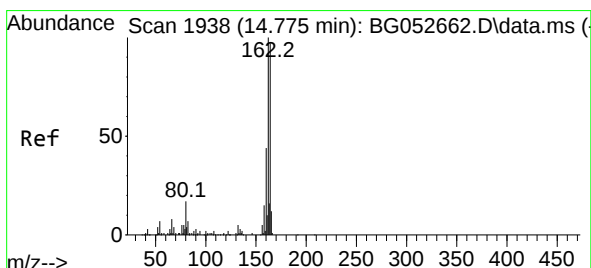
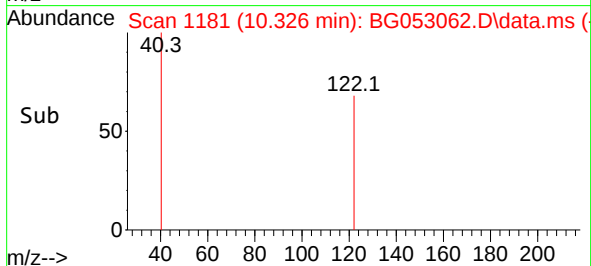
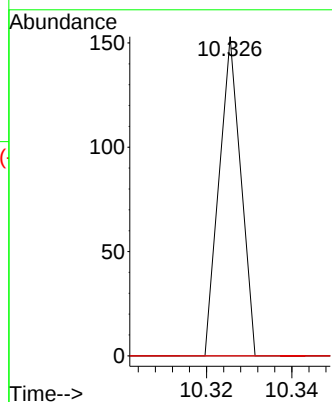
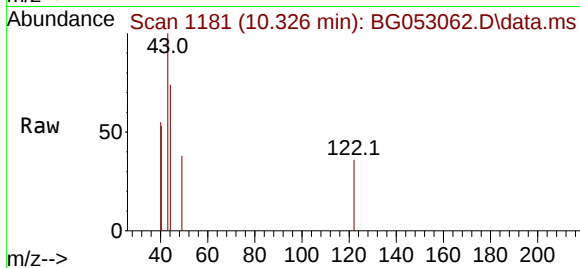
Instrument :

BNA_G

ClientSampleId :

DUP-0401

Tgt Ion:	122	Resp:	54
Ion	Ratio	Lower	Upper
122	100		
105	0.0	112.8	152.8#
77	0.0	78.4	118.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

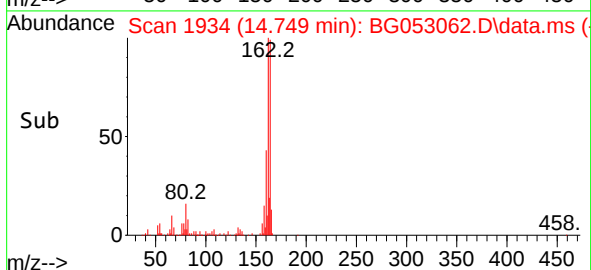
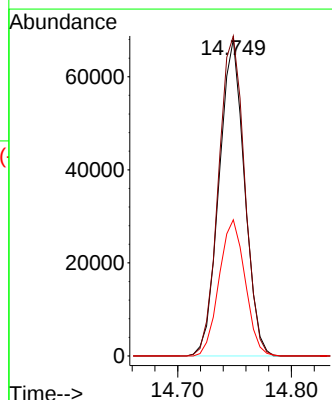
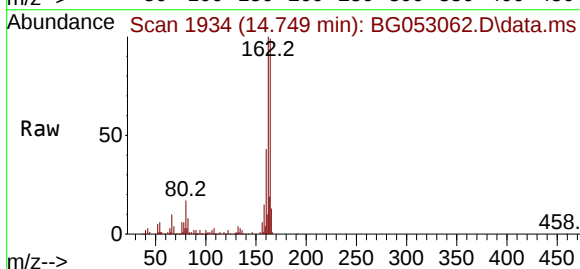
RT: 14.749 min Scan# 1934

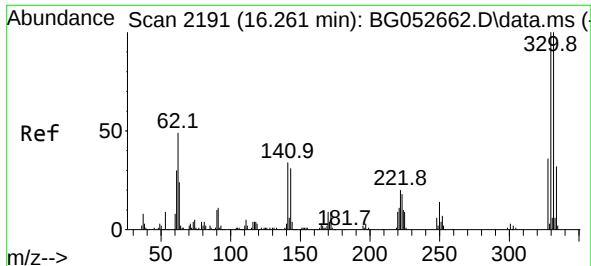
Delta R.T. 0.001 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

Tgt Ion:	164	Resp:	105339
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.0	120.0
160	43.0	38.8	58.2

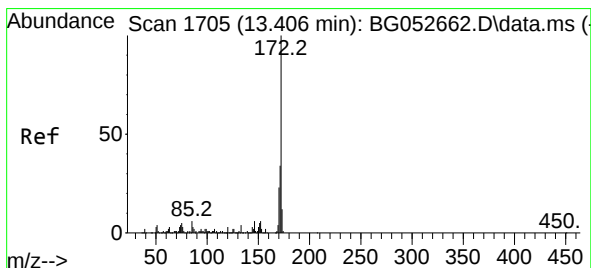
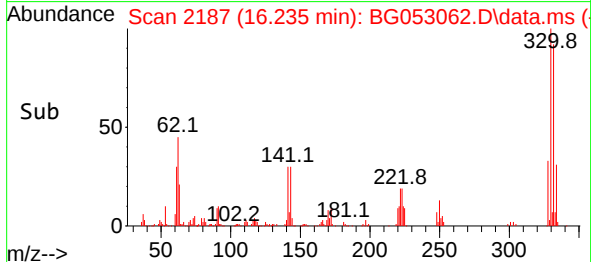
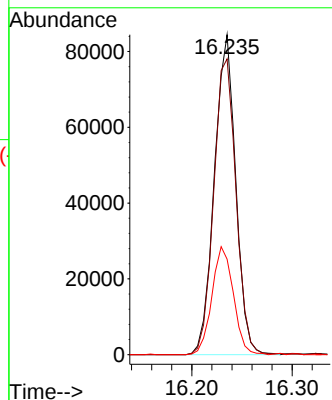
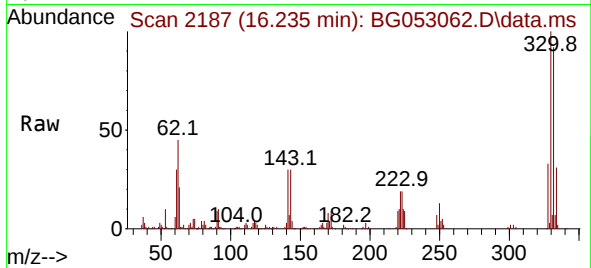




#42
2,4,6-Tribromophenol
Concen: 88.143 ng
RT: 16.235 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

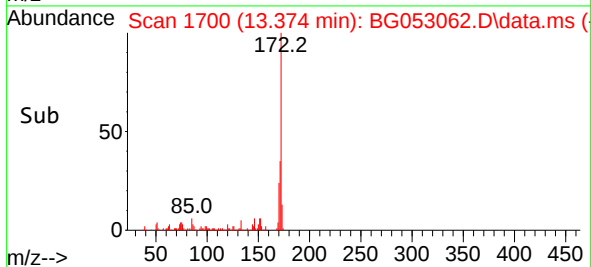
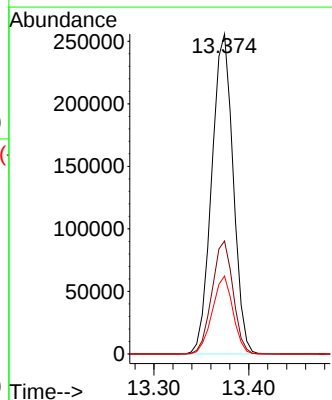
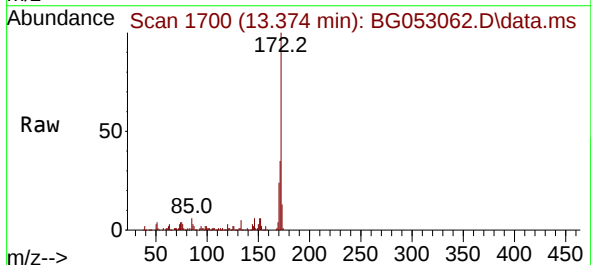
Instrument :
BNA_G
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DUP-0401

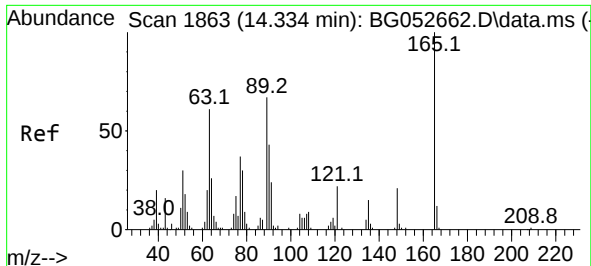
Tgt Ion:330 Resp: 124764
Ion Ratio Lower Upper
330 100
332 96.3 75.8 113.6
141 33.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 56.161 ng
RT: 13.374 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:172 Resp: 401122
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 24.4 18.0 27.0

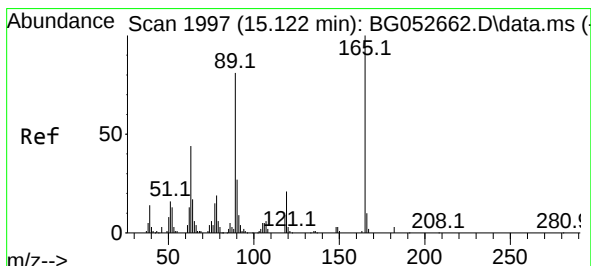
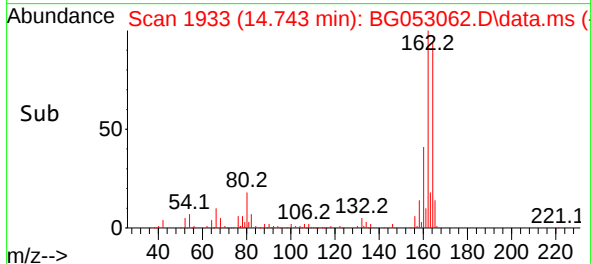
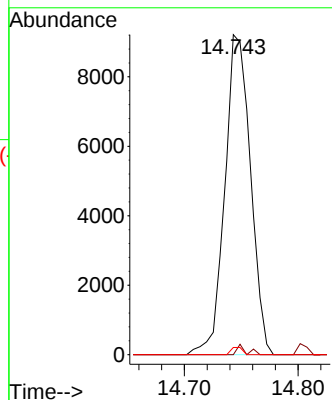
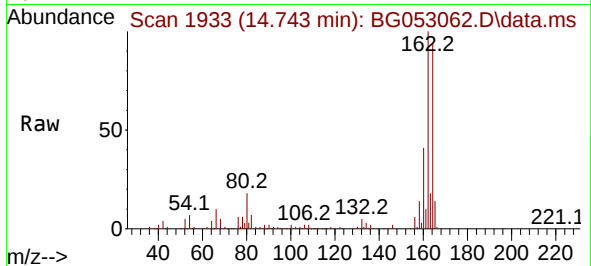




#51
2,6-Dinitrotoluene
Concen: 10.948 ng
RT: 14.743 min Scan# 1933
Delta R.T. 0.429 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

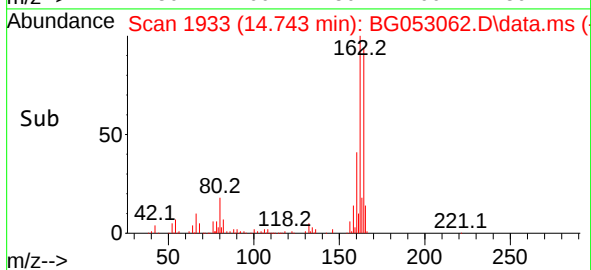
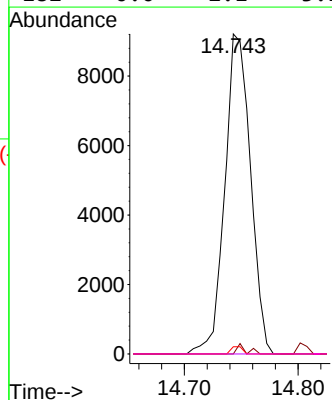
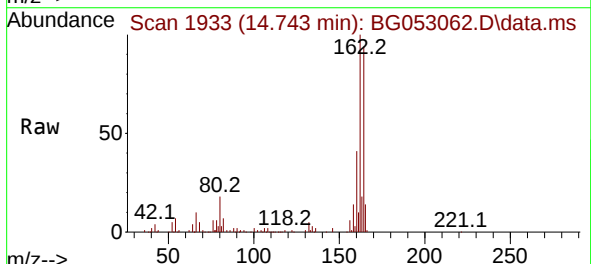
Instrument :
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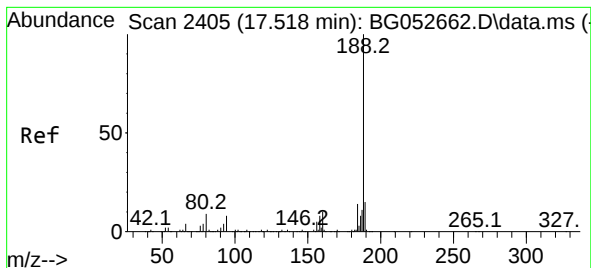
Tgt Ion:165 Resp: 14471
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 2.3 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 7.890 ng
RT: 14.743 min Scan# 1933
Delta R.T. -0.358 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:165 Resp: 14471
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 2.3 57.4 86.0#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2405

Delta R.T. 0.001 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

Instrument :

BNA_G

ClientSampleId :

DUP-0401

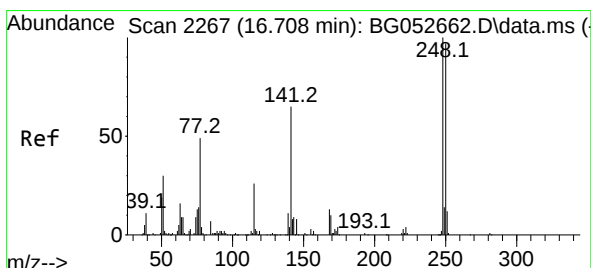
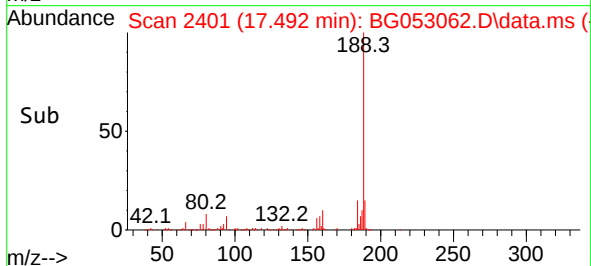
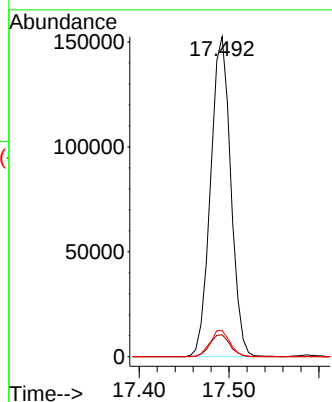
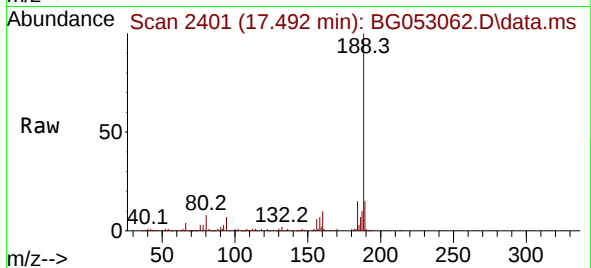
Tgt Ion:188 Resp: 237877

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.2 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.997 ng

RT: 16.229 min Scan# 2186

Delta R.T. -0.446 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

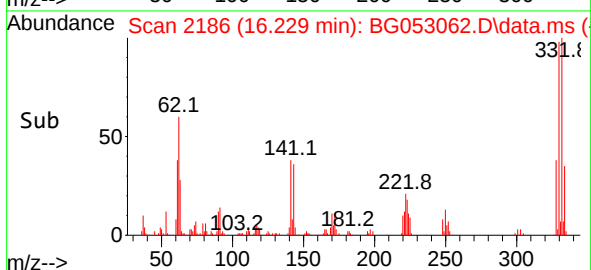
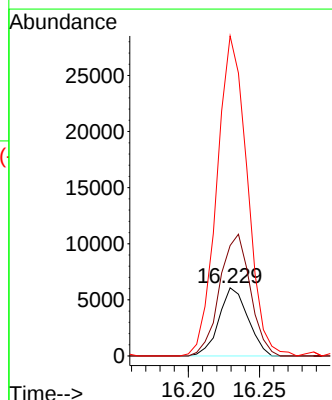
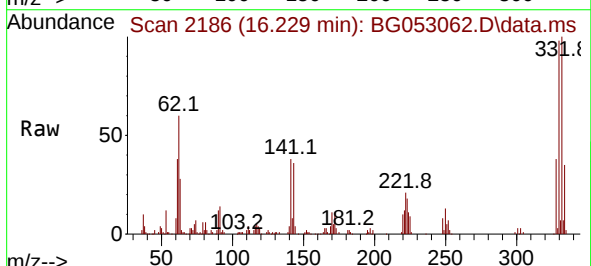
Tgt Ion:248 Resp: 8595

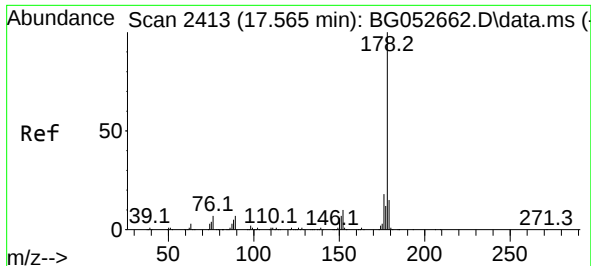
Ion Ratio Lower Upper

248 100

250 161.8 77.9 116.9#

141 469.1 49.2 73.8#

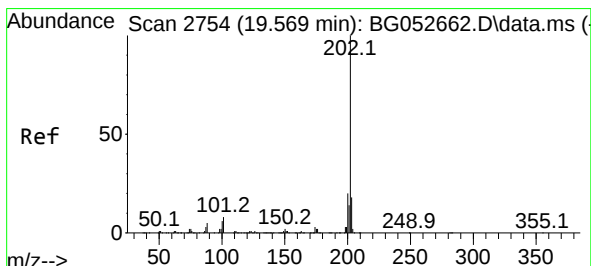
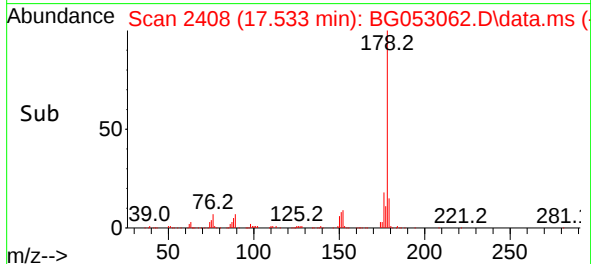
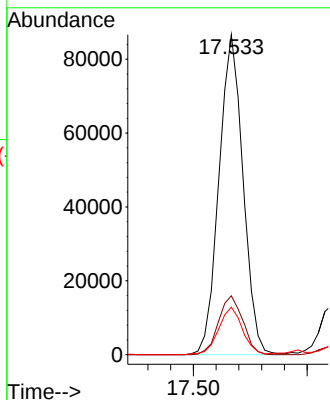
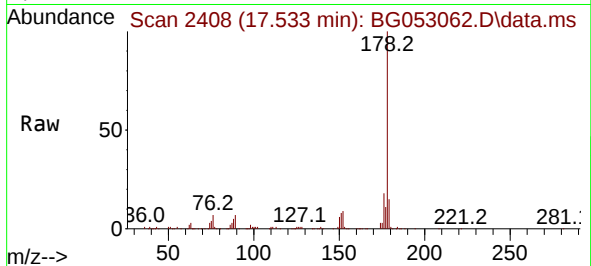




#71
Phenanthrene
Concen: 10.007 ng
RT: 17.533 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

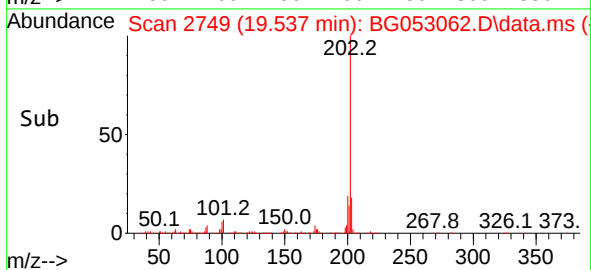
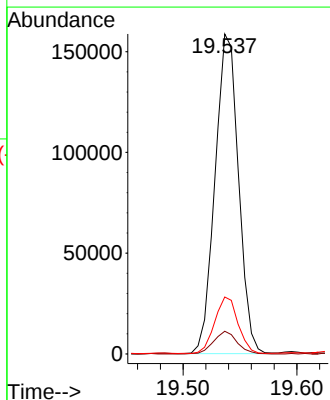
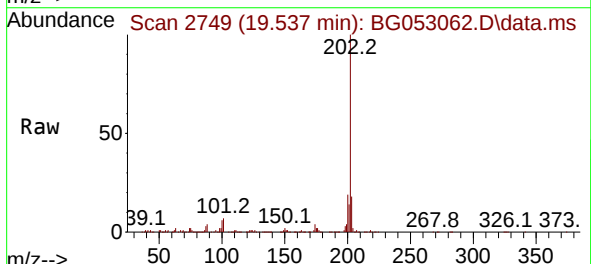
Instrument :
BNA_G
ClientSampleId :
DUP-0401

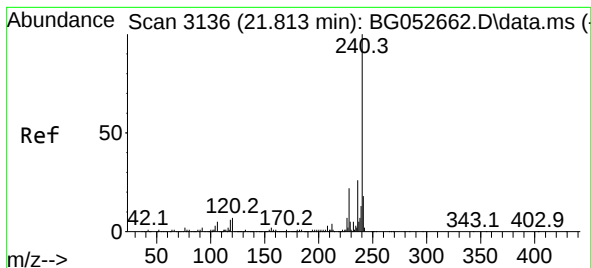
Tgt Ion:178 Resp: 127349
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 14.8 13.4 20.2



#75
Fluoranthene
Concen: 14.081 ng
RT: 19.537 min Scan# 2749
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:202 Resp: 227454
Ion Ratio Lower Upper
202 100
101 7.1 0.0 27.3
203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.775 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

Instrument :

BNA_G

ClientSampleId :

DUP-0401

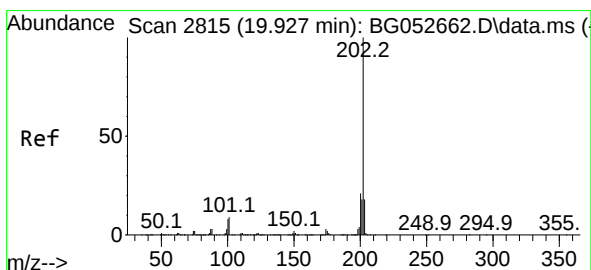
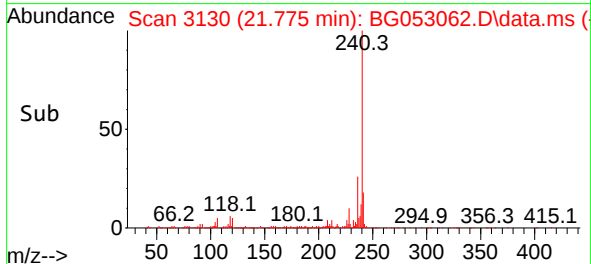
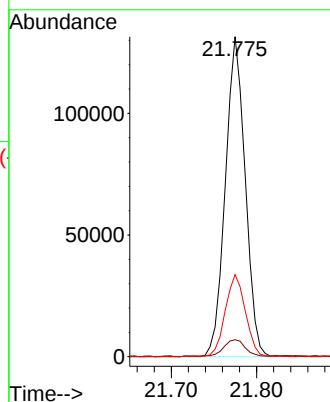
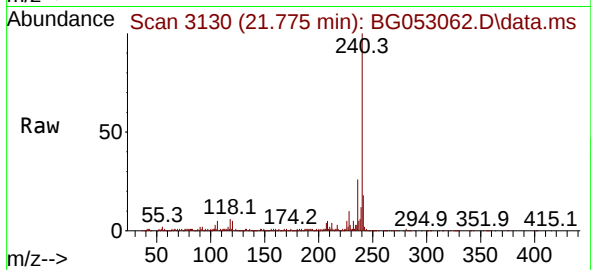
Tgt Ion:240 Resp: 213347

Ion Ratio Lower Upper

240 100

120 5.3 5.4 8.0#

236 25.7 19.8 29.6



#78

Pyrene

Concen: 12.712 ng

RT: 19.901 min Scan# 2811

Delta R.T. 0.001 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

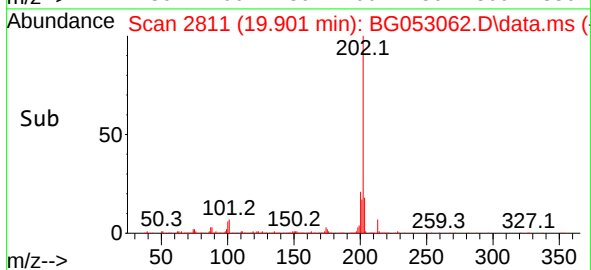
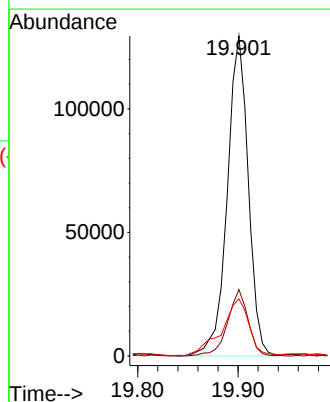
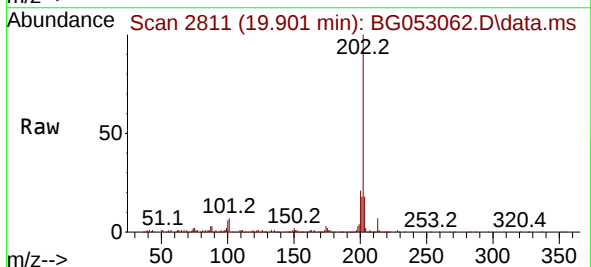
Tgt Ion:202 Resp: 188125

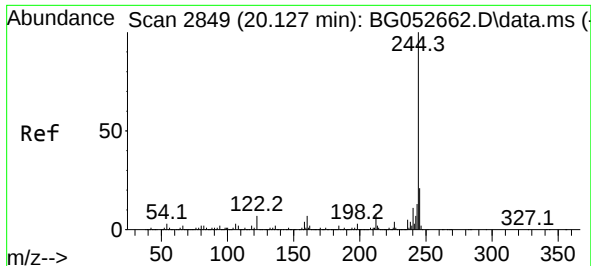
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.8 15.0 22.6

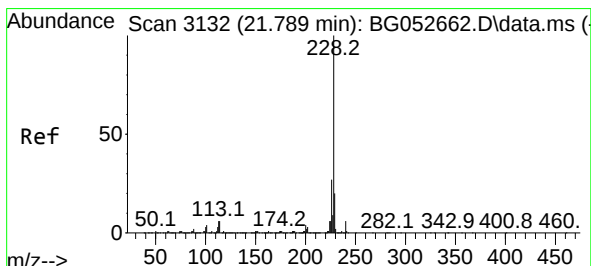
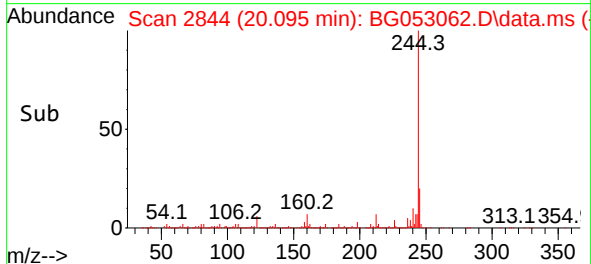
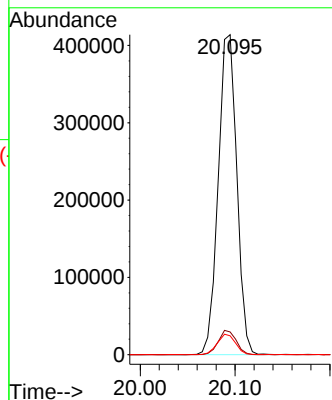
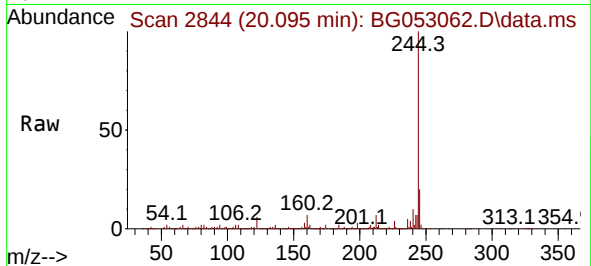




#79
 Terphenyl-d14
 Concen: 47.014 ng
 RT: 20.095 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053062.D
 Acq: 6 Apr 2022 19:44

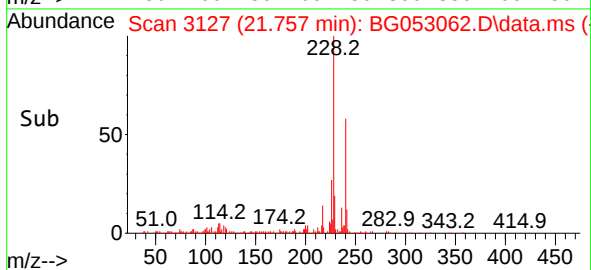
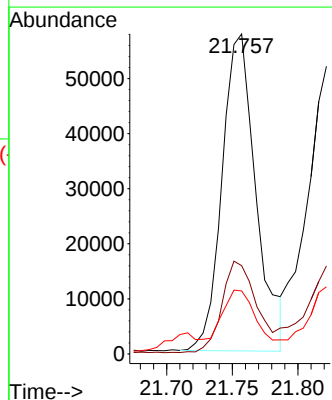
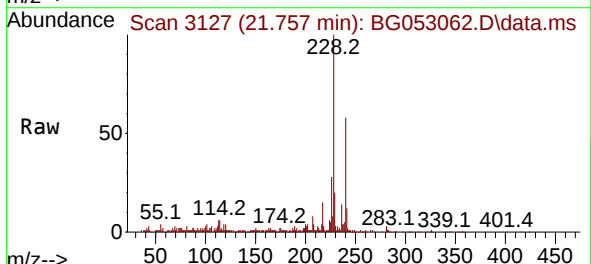
Instrument :
 BNA_G
 ClientSampleId :
 DUP-0401

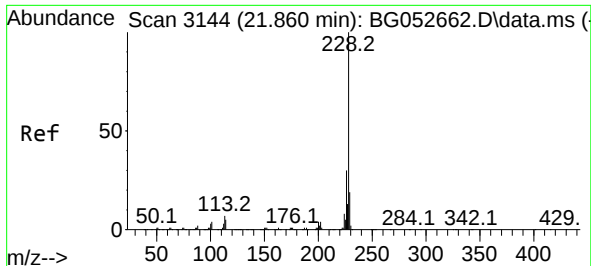
Tgt Ion:244 Resp: 563868
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 5.9 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 7.239 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. 0.001 min
 Lab File: BG053062.D
 Acq: 6 Apr 2022 19:44

Tgt Ion:228 Resp: 103411
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 19.7 16.7 25.1

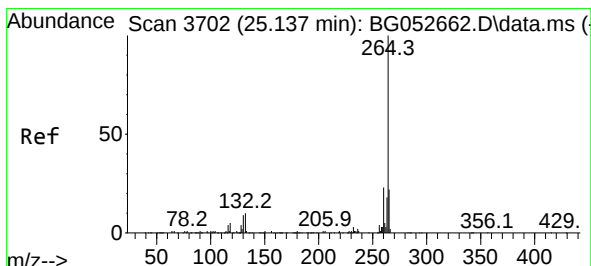
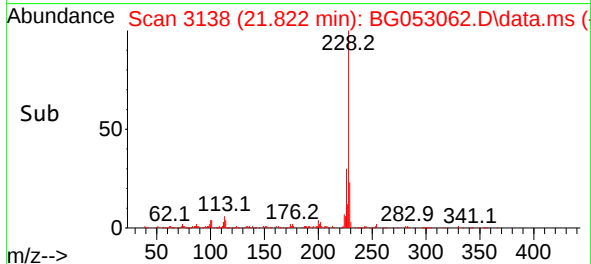
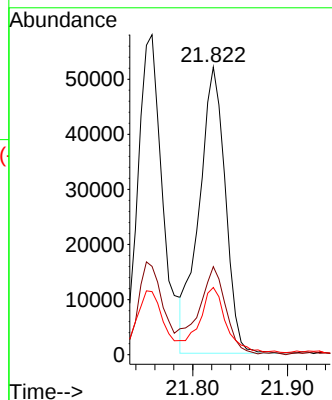
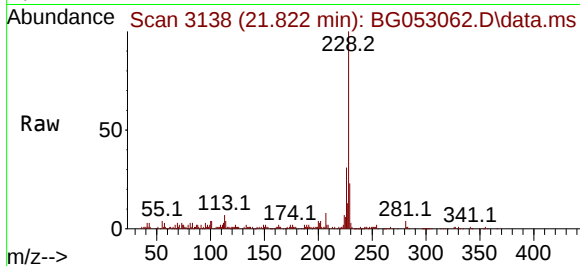




#83
Chrysene
Concen: 7.455 ng
RT: 21.822 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

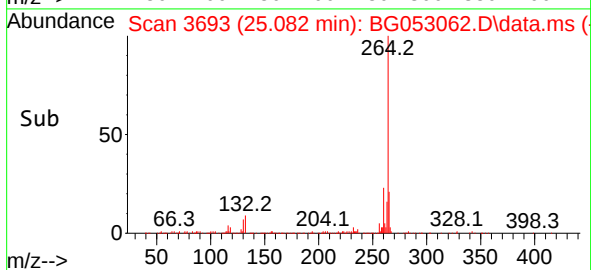
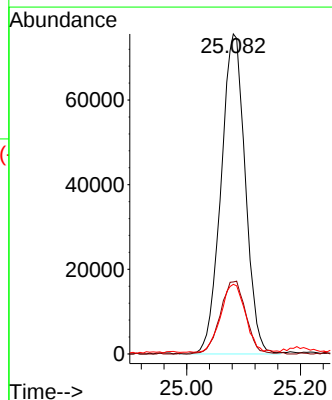
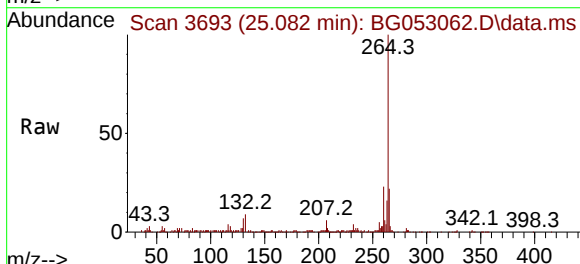
Instrument :
BNA_G
ClientSampleId :
DUP-0401

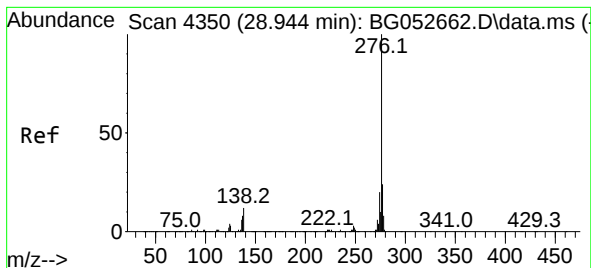
Tgt Ion:228 Resp: 100121
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.3 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 3693
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:264 Resp: 223225
Ion Ratio Lower Upper
264 100
260 22.5 18.2 27.2
265 21.7 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.205 ng

RT: 28.853 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

Instrument :

BNA_G

ClientSampleId :

DUP-0401

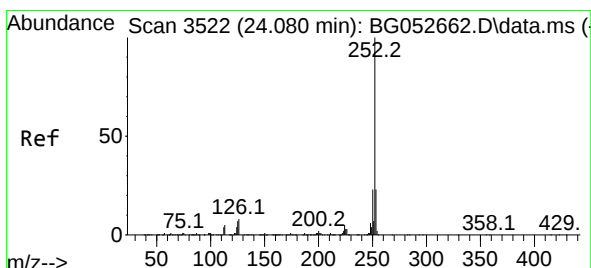
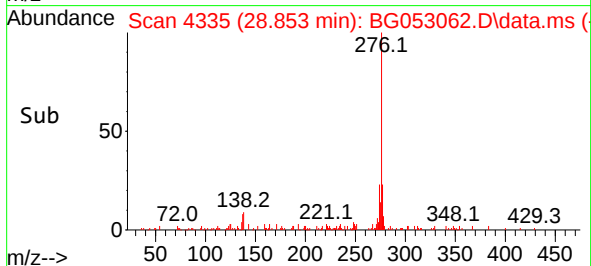
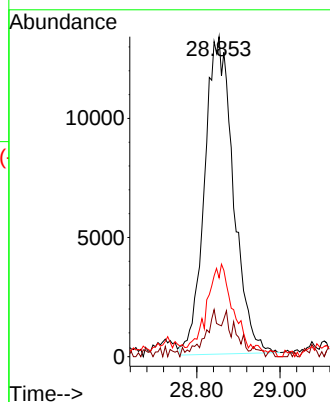
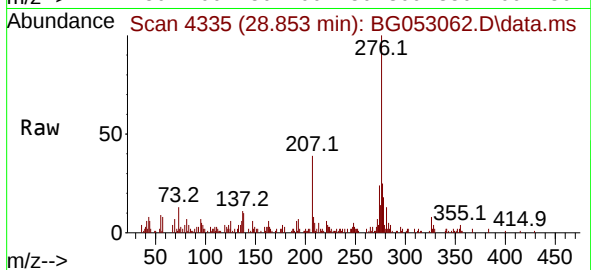
Tgt Ion:276 Resp: 64249

Ion Ratio Lower Upper

276 100

138 1.2 8.7 13.1#

277 23.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.238 ng

RT: 24.030 min Scan# 3514

Delta R.T. 0.001 min

Lab File: BG053062.D

Acq: 6 Apr 2022 19:44

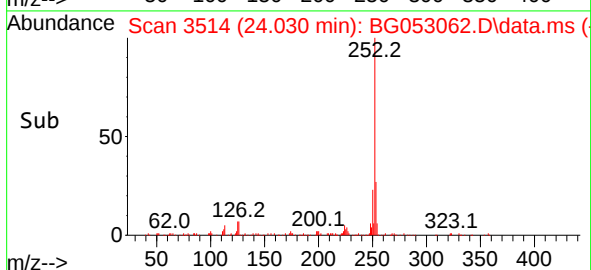
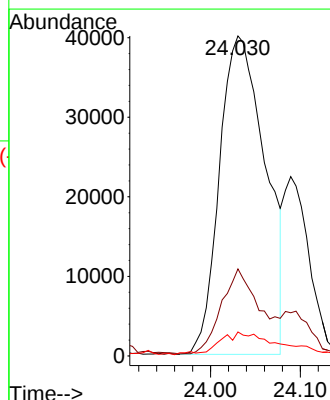
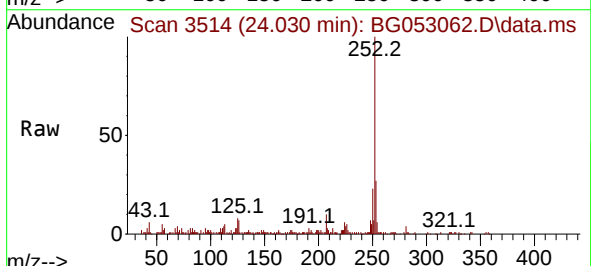
Tgt Ion:252 Resp: 141895

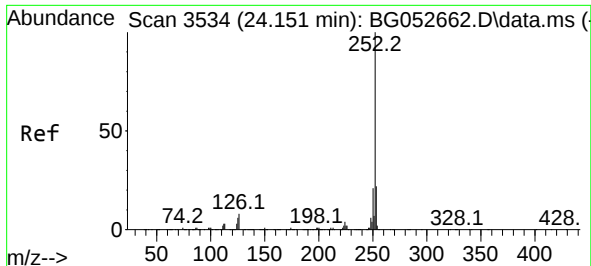
Ion Ratio Lower Upper

252 100

253 27.2 17.2 25.8#

125 7.5 5.2 7.8

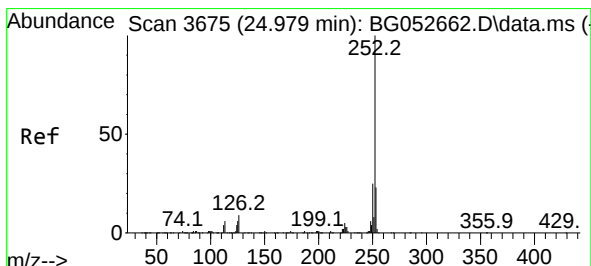
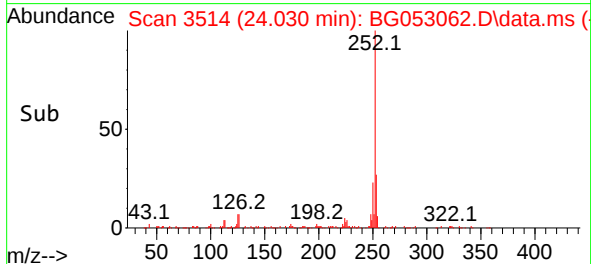
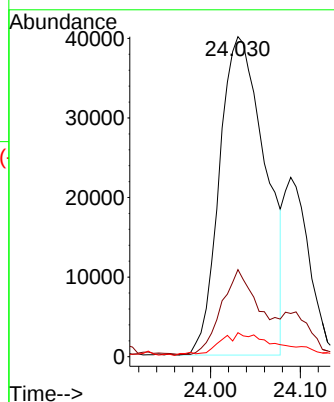
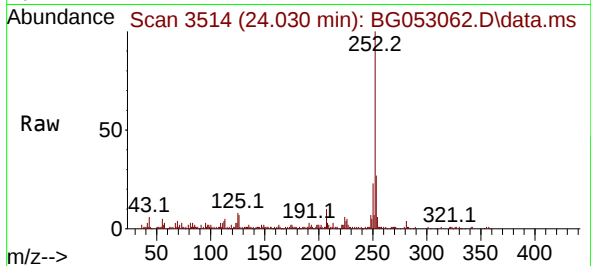




#89
Benzo(k)fluoranthene
Concen: 10.405 ng
RT: 24.030 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

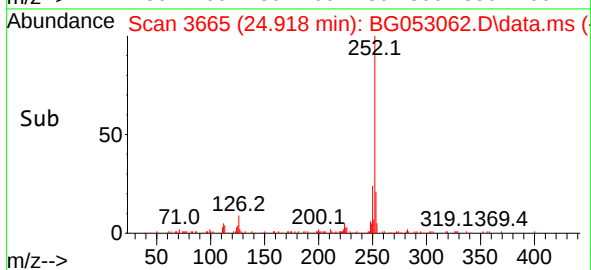
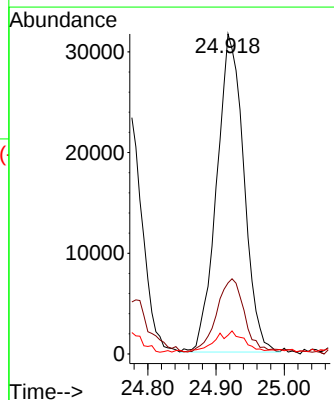
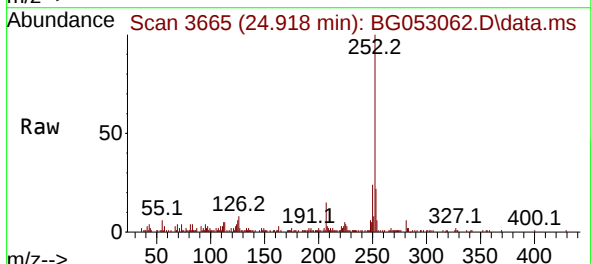
Instrument :
BNA_G
ClientSampleId :
DUP-0401

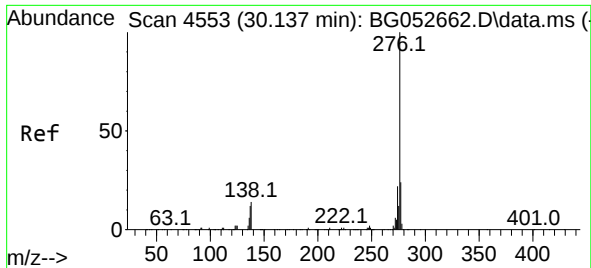
Tgt Ion:252 Resp: 141895
Ion Ratio Lower Upper
252 100
253 27.2 17.4 26.0#
125 7.5 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 7.455 ng
RT: 24.918 min Scan# 3665
Delta R.T. -0.011 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

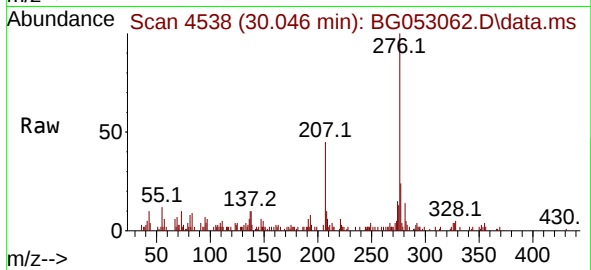
Tgt Ion:252 Resp: 87462
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 5.9 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.855 ng
 RT: 30.046 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: BG053062.D
 Acq: 6 Apr 2022 19:44

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0401



Tgt Ion:276 Resp: 60483

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.2	27.2
138	10.5	9.1	13.7

