

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055990.D
 Acq On : 15 Dec 2022 23:59
 Operator : CG/JU
 Sample : N6066-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ORA-1509

Quant Time: Dec 16 04:09:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

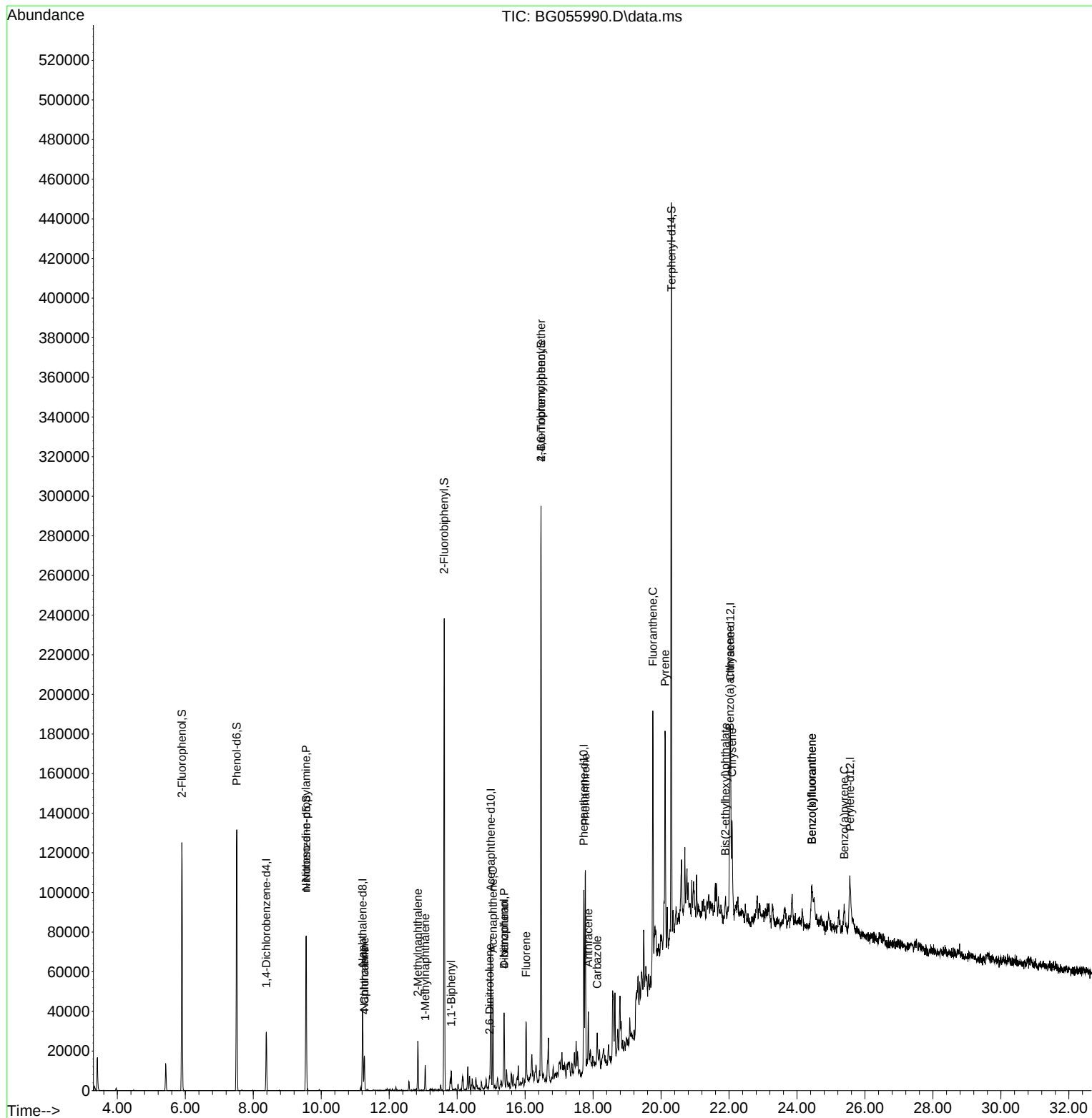
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.382	152	9473	20.000	ng	0.00
21) Naphthalene-d8	11.214	136	36083	20.000	ng	# 0.00
39) Acenaphthene-d10	14.986	164	27781	20.000	ng	0.00
64) Phenanthrene-d10	17.724	188	64180	20.000	ng	0.01
76) Chrysene-d12	22.037	240	64485	20.000	ng	# 0.01
86) Perylene-d12	25.556	264	46825	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.897	112	51937	128.578	ng	0.01
7) Phenol-d6	7.512	99	63962	123.118	ng	0.02
23) Nitrobenzene-d5	9.557	82	41864	81.078	ng	0.01
42) 2,4,6-Tribromophenol	16.467	330	74799	111.660	ng	0.01
45) 2-Fluorobiphenyl	13.617	172	132329	66.804	ng	0.00
79) Terphenyl-d14	20.303	244	208903	57.256	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.551	70	6675	17.925	ng	# 63
31) Naphthalene	11.267	128	15711	8.252	ng	97
33) 4-Chloroaniline	11.273	127	2233	2.736	ng	# 47
37) 2-Methylnaphthalene	12.842	142	12841	7.634	ng	98
38) 1-Methylnaphthalene	13.059	142	6878	4.197	ng	99
46) 1,1'-Biphenyl	13.823	154	6097	3.238	ng	89
51) 2,6-Dinitrotoluene	14.957	165	979	2.634	ng	# 25
52) Acenaphthene	15.051	154	17657	10.769	ng	95
55) Dibenzofuran	15.380	168	22485	8.155	ng	# 91
56) 4-Nitrophenol	15.380	139	8623	28.463	ng	# 1
58) Fluorene	16.026	166	14980	6.646	ng	98
67) 4-Bromophenyl-phenylether	16.467	248	4210	4.477	ng	# 1
71) Phenanthrene	17.771	178	72345	21.510	ng	98
72) Anthracene	17.859	178	21091	6.338	ng	99
73) Carbazole	18.118	167	8133	2.964	ng	# 91
75) Fluoranthene	19.757	202	86454	18.356	ng	98
78) Pyrene	20.115	202	76892	19.706	ng	99
81) Benzo(a)anthracene	22.019	228	43814	9.656	ng	# 94
83) Chrysene	22.090	228	44908	10.560	ng	# 96
84) Bis(2-ethylhexyl)phtha...	21.890	149	3594	2.188	ng	# 78
88) Benzo(b)fluoranthene	24.434	252	33357	11.007	ng	# 95
89) Benzo(k)fluoranthene	24.434	252	33357	11.032	ng	# 97
90) Benzo(a)pyrene	25.386	252	24916	9.727	ng	# 89

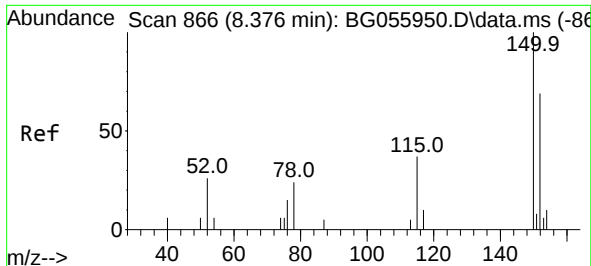
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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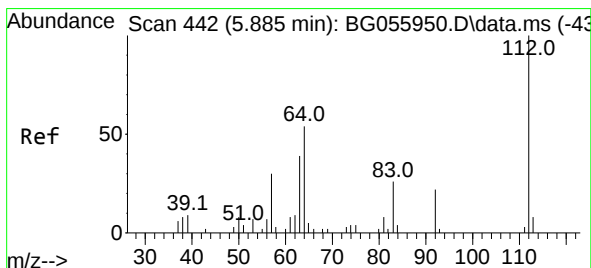
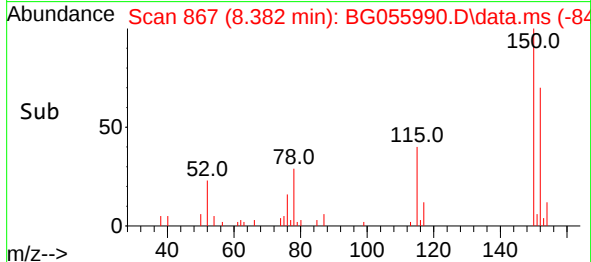
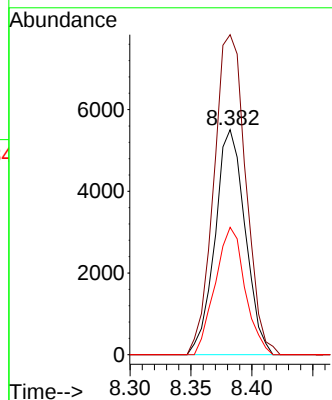
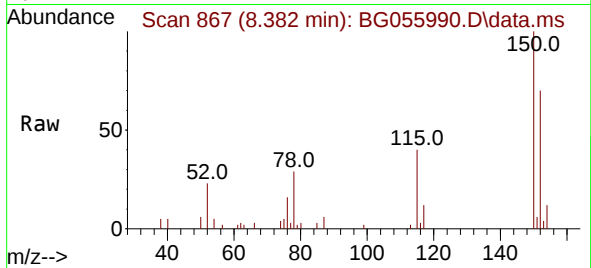




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.382 min Scan# 866
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

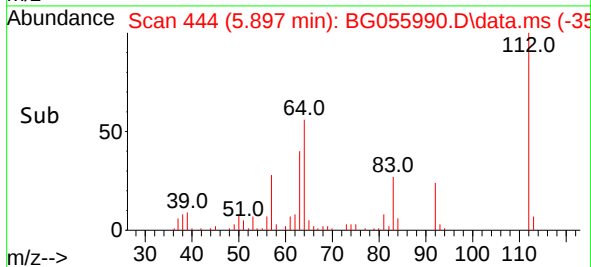
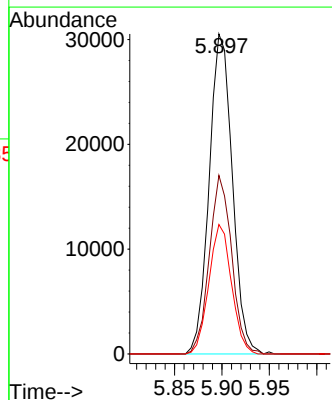
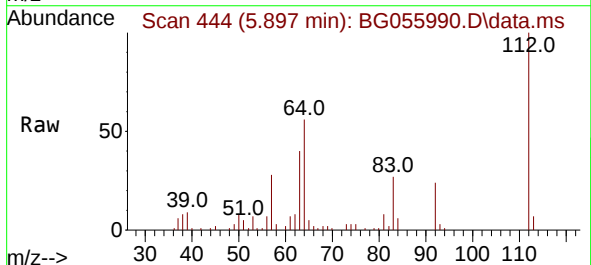
Instrument :
BNA_G
ClientSampleId :
ORA-1509

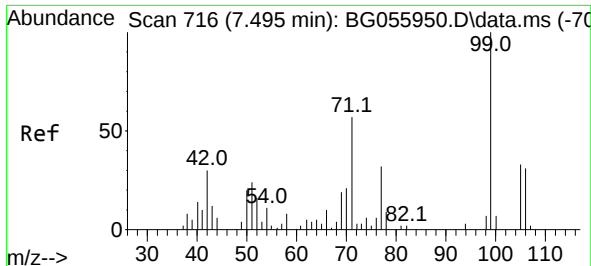
Tgt Ion:152 Resp: 9473
Ion Ratio Lower Upper
152 100
150 142.2 115.7 173.5
115 56.6 43.0 64.4



#5
2-Fluorophenol
Concen: 128.578 ng
RT: 5.897 min Scan# 444
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:112 Resp: 51937
Ion Ratio Lower Upper
112 100
64 55.8 43.0 64.4
63 40.4 31.4 47.2

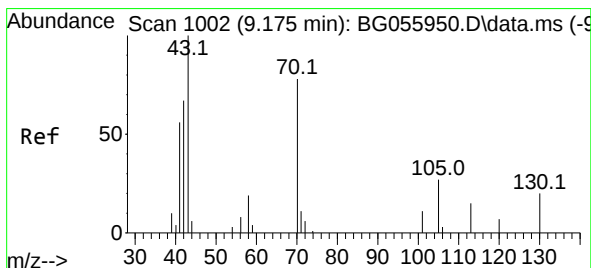
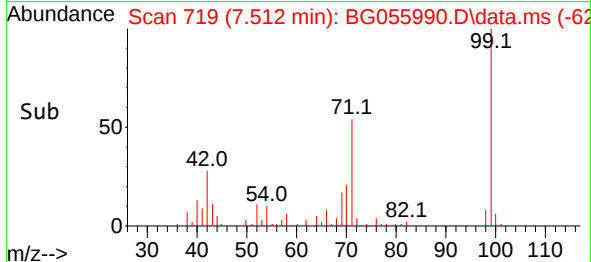
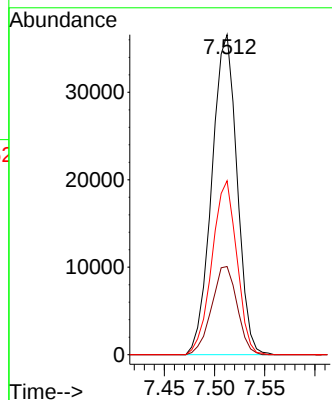
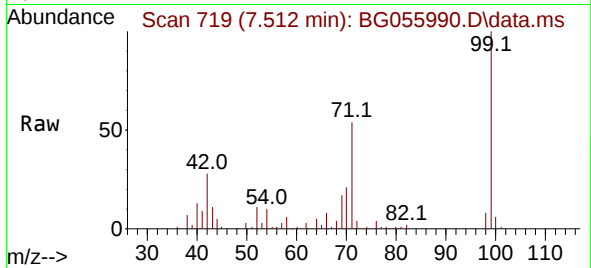




#7
Phenol-d6
Concen: 123.118 ng
RT: 7.512 min Scan# 716
Delta R.T. 0.017 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

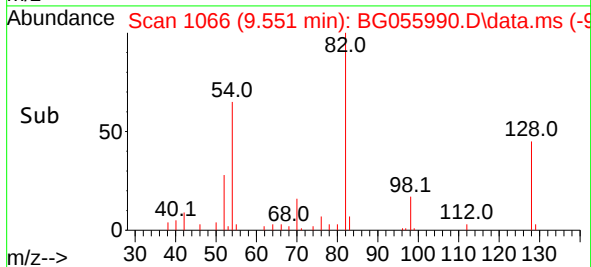
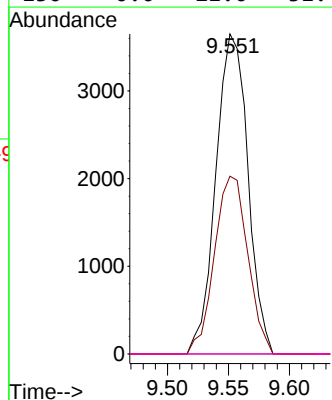
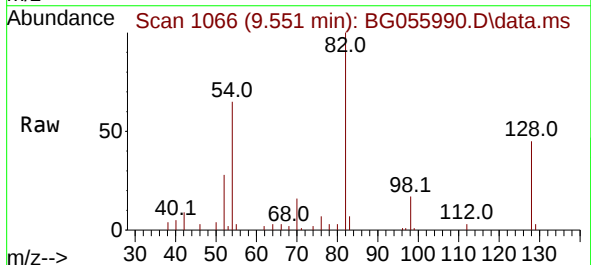
Instrument :
BNA_G
ClientSampleId :
ORA-1509

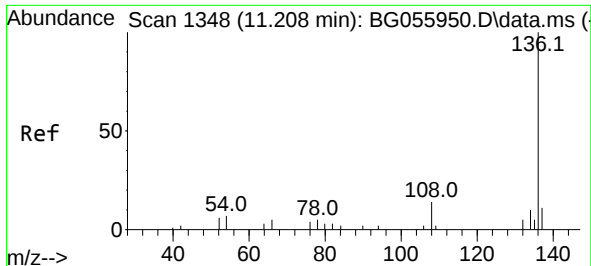
Tgt Ion: 99 Resp: 63962
Ion Ratio Lower Upper
99 100
42 27.5 24.3 36.5
71 54.3 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.925 ng
RT: 9.551 min Scan# 1066
Delta R.T. 0.376 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion: 70 Resp: 6675
Ion Ratio Lower Upper
70 100
42 55.6 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

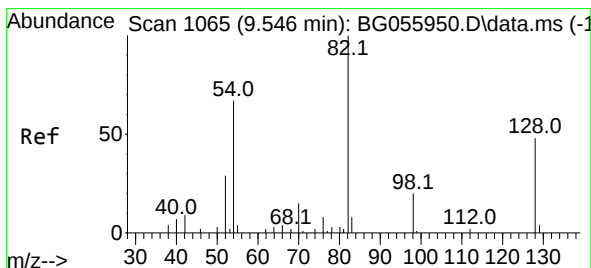
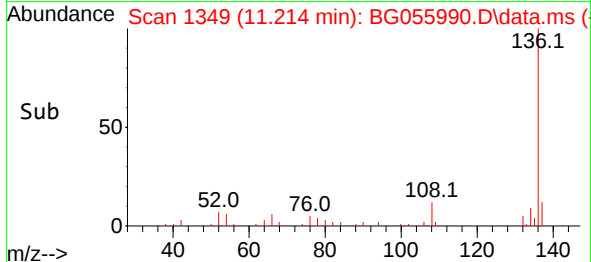
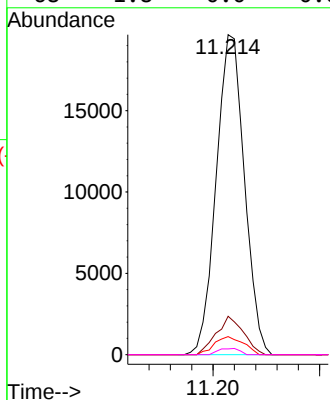
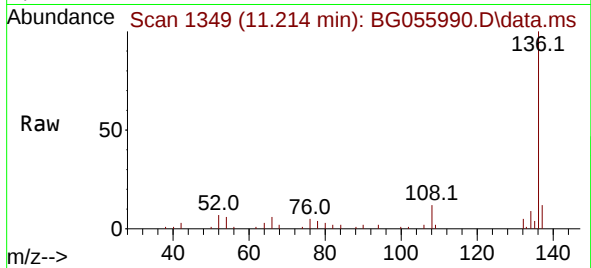




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.214 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

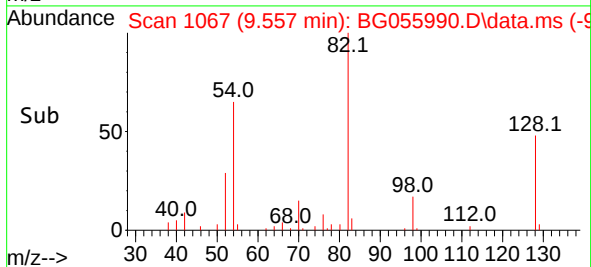
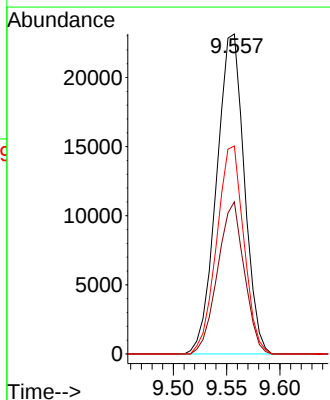
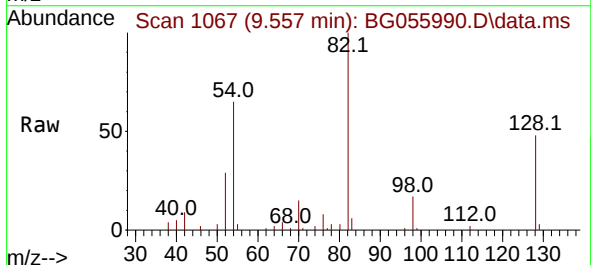
Instrument :
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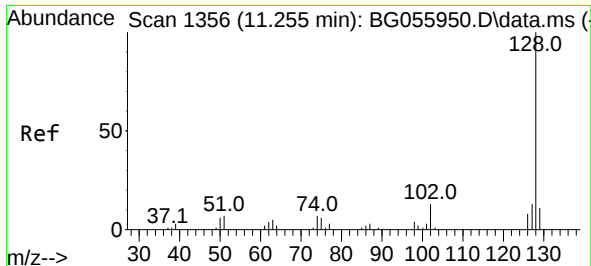
Tgt Ion:	136	Resp:	36083
Ion Ratio	Lower	Upper	
136	100		
137	12.0	9.2	13.8
54	5.7	5.6	8.4
68	1.8	0.0	0.0



#23
Nitrobenzene-d5
Concen: 81.078 ng
RT: 9.557 min Scan# 1067
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:	82	Resp:	41864
Ion Ratio	Lower	Upper	
82	100		
128	47.6	38.4	57.6
54	65.0	53.3	79.9

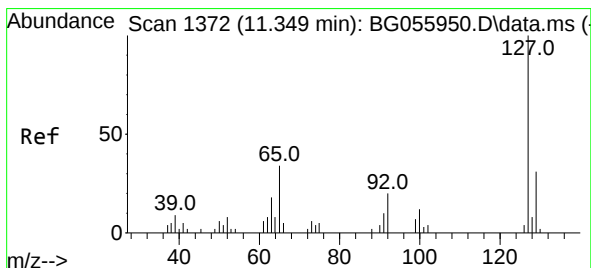
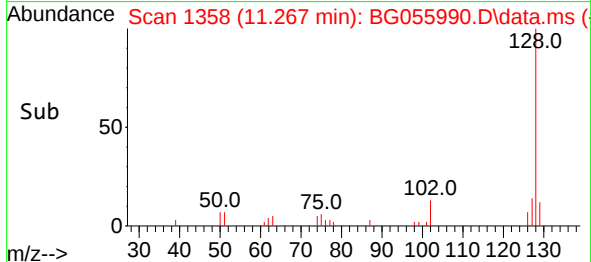
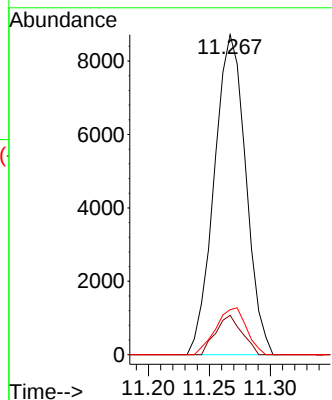
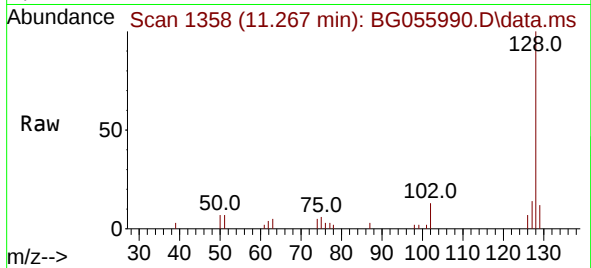




#31
Naphthalene
Concen: 8.252 ng
RT: 11.267 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

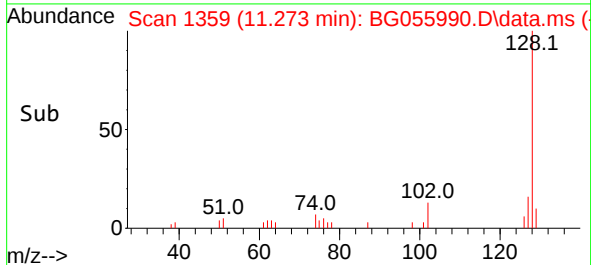
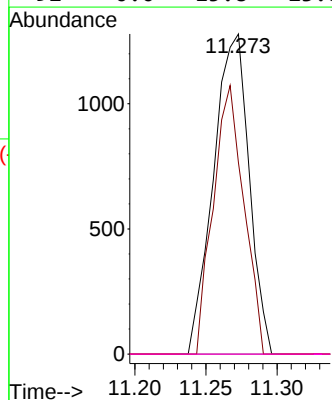
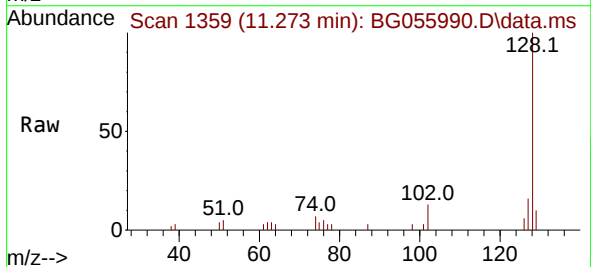
Instrument :
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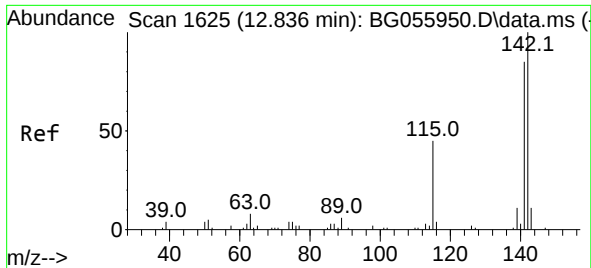
Tgt Ion:128 Resp: 15711
Ion Ratio Lower Upper
128 100
129 12.3 8.7 13.1
127 14.0 10.3 15.5



#33
4-Chloroaniline
Concen: 2.736 ng
RT: 11.273 min Scan# 1359
Delta R.T. -0.077 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:127 Resp: 2233
Ion Ratio Lower Upper
127 100
129 59.8 24.5 36.7#
65 0.0 27.1 40.7#
92 0.0 15.8 23.8#

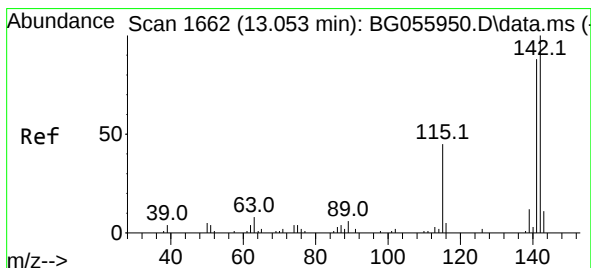
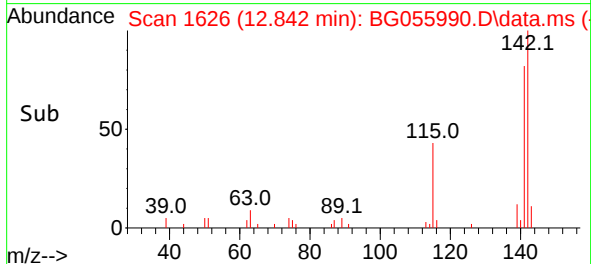
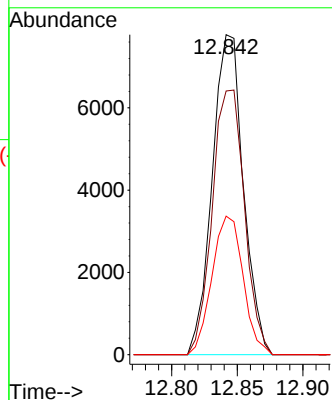
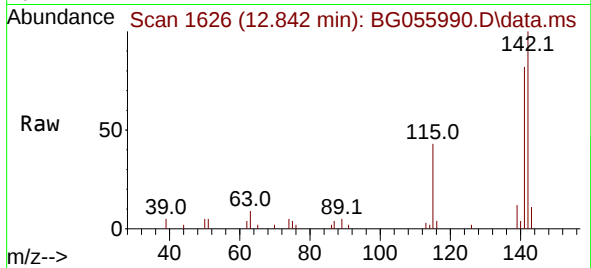




#37
2-Methylnaphthalene
Concen: 7.634 ng
RT: 12.842 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

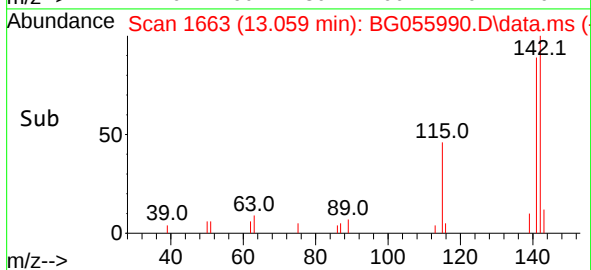
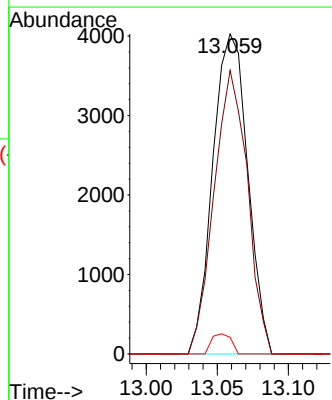
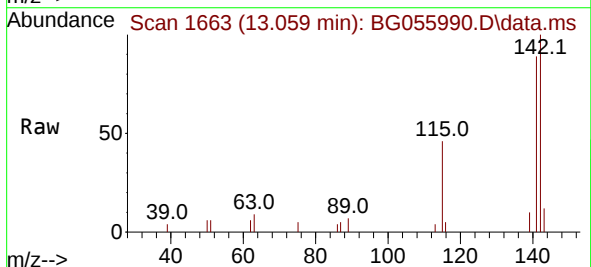
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ClientSampleId :
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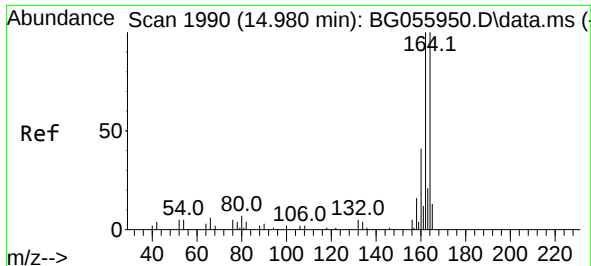
Tgt Ion:142 Resp: 12841
Ion Ratio Lower Upper
142 100
141 82.4 67.8 101.6
115 43.3 35.7 53.5



#38
1-Methylnaphthalene
Concen: 4.197 ng
RT: 13.059 min Scan# 1663
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:142 Resp: 6878
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.2
116 5.2 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.986 min Scan# 1991

Delta R.T. 0.006 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

ORA-1509

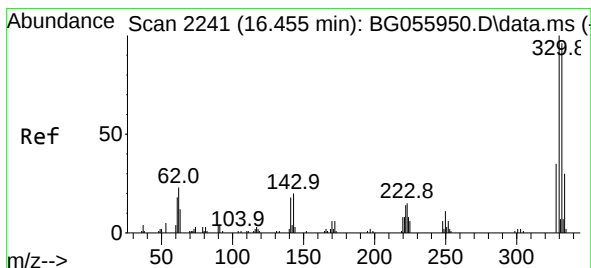
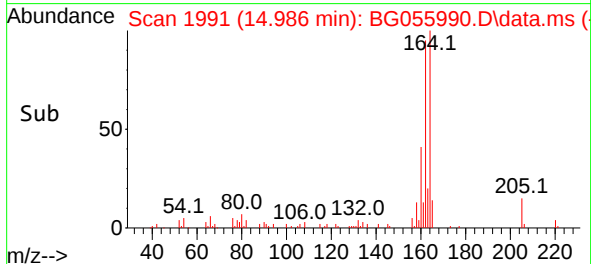
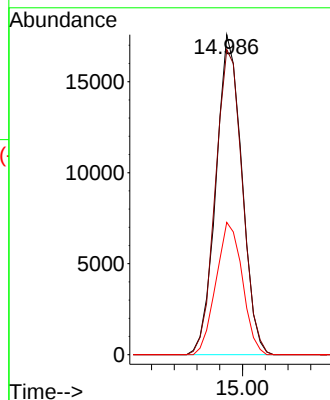
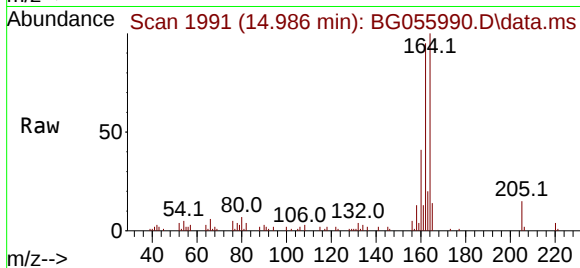
Tgt Ion:164 Resp: 27781

Ion Ratio Lower Upper

164 100

162 95.4 79.8 119.8

160 41.4 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 111.660 ng

RT: 16.467 min Scan# 2243

Delta R.T. 0.012 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

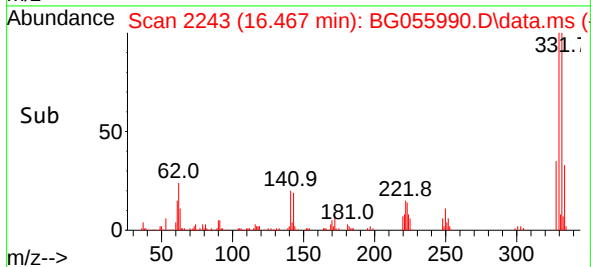
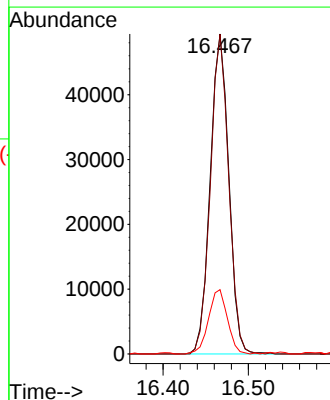
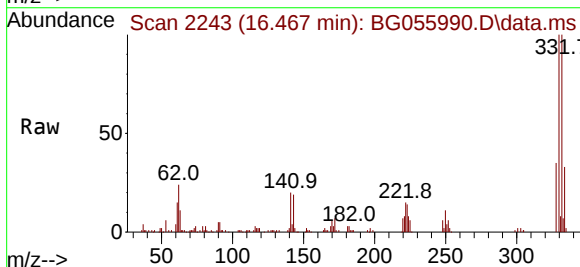
Tgt Ion:330 Resp: 74799

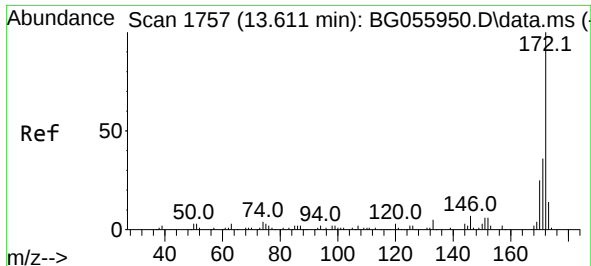
Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

141 20.4 15.0 22.4

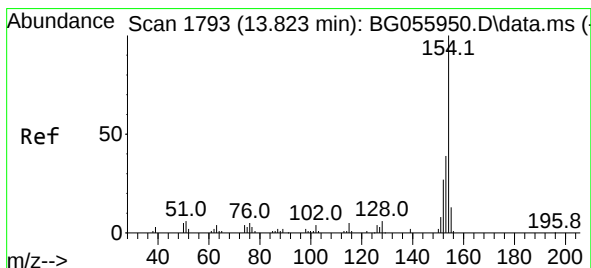
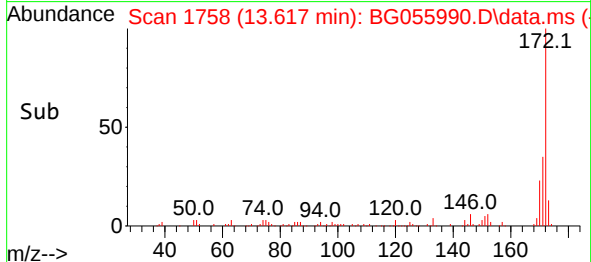
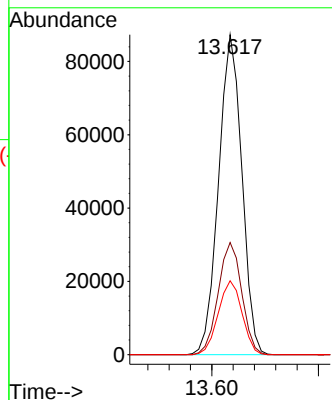
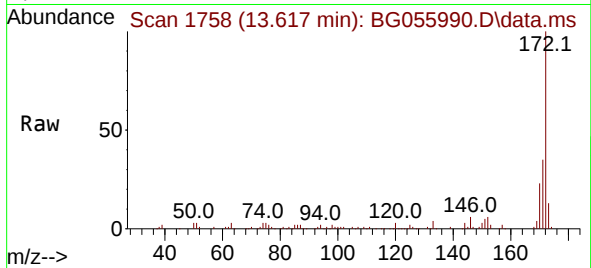




#45
2-Fluorobiphenyl
Concen: 66.804 ng
RT: 13.617 min Scan# 1757
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

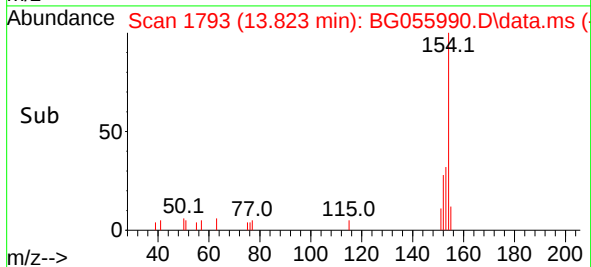
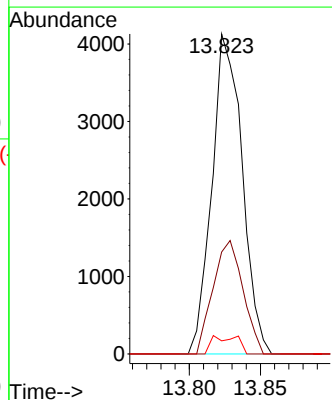
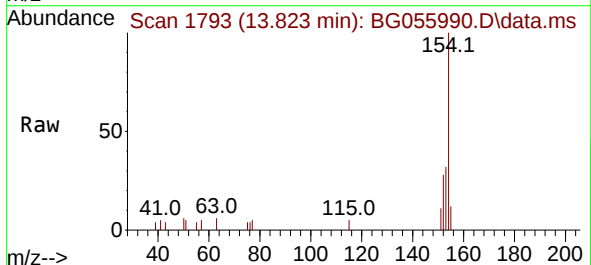
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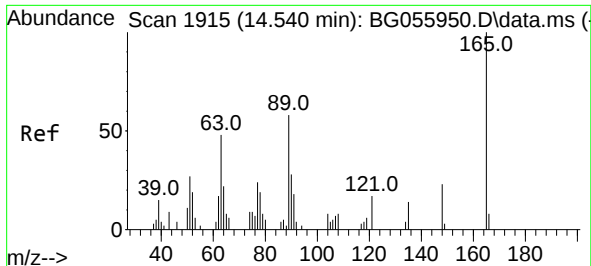
Tgt Ion:172 Resp: 132329
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 19.9 29.9



#46
1,1'-Biphenyl
Concen: 3.238 ng
RT: 13.823 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:154 Resp: 6097
Ion Ratio Lower Upper
154 100
153 31.9 19.5 59.5
76 4.1 0.0 25.5

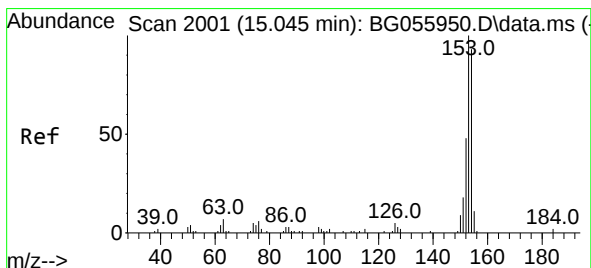
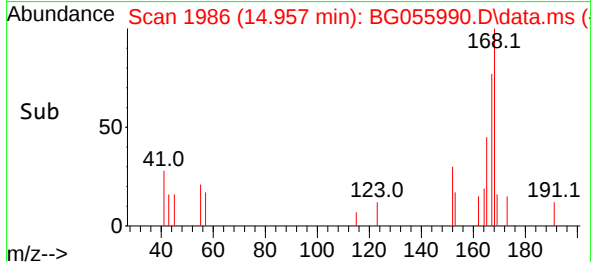
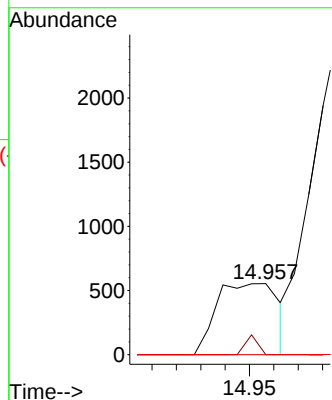
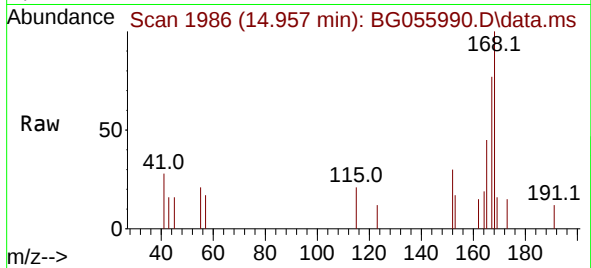




#51
2,6-Dinitrotoluene
Concen: 2.634 ng
RT: 14.957 min Scan# 1915
Delta R.T. 0.417 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

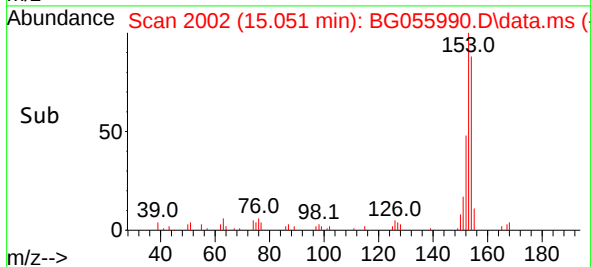
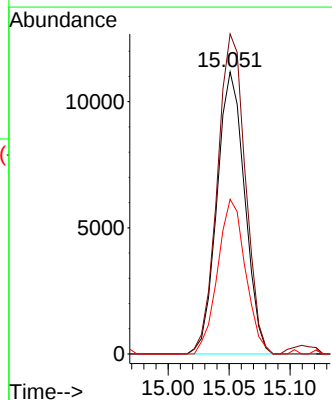
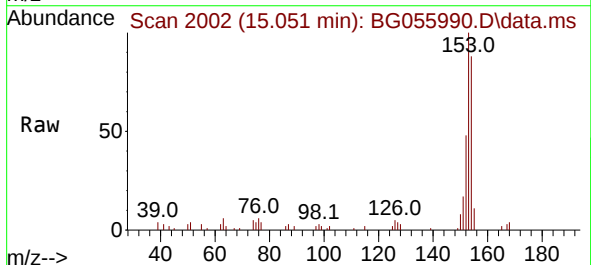
Instrument :
BNA_G
ClientSampleId :
ORA-1509

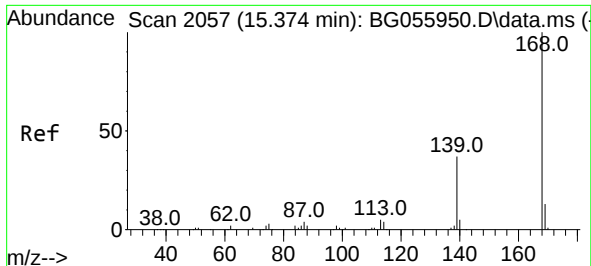
Tgt Ion:165 Resp: 979
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#52
Acenaphthene
Concen: 10.769 ng
RT: 15.051 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:154 Resp: 17657
Ion Ratio Lower Upper
154 100
153 113.4 86.2 129.2
152 54.9 41.4 62.0

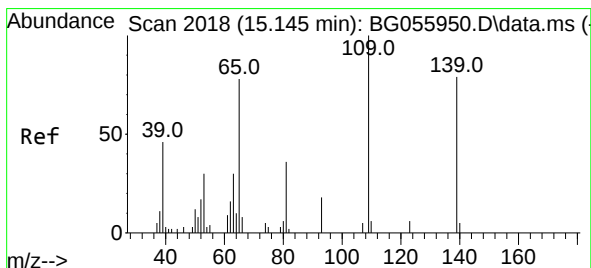
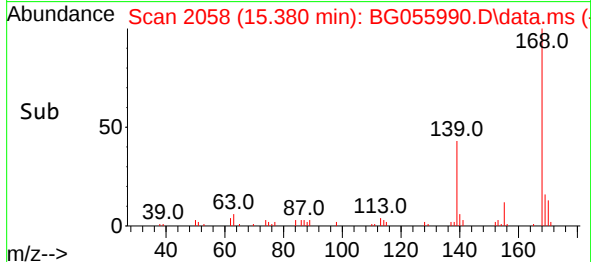
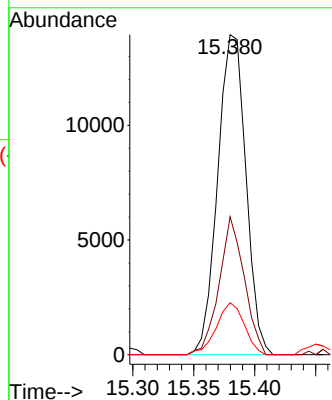
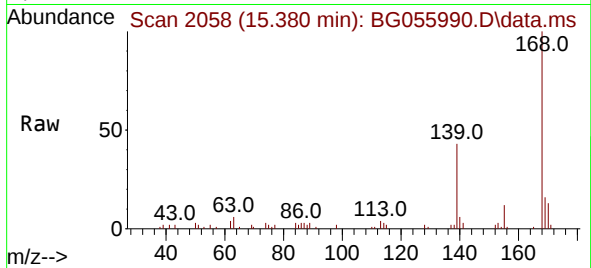




#55
Dibenzofuran
Concen: 8.155 ng
RT: 15.380 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

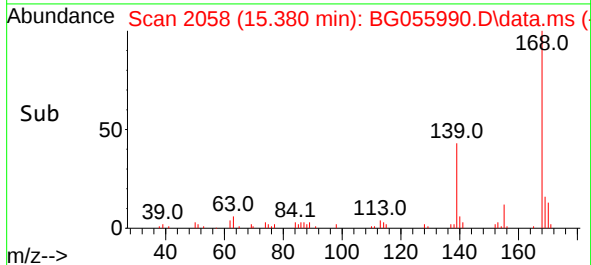
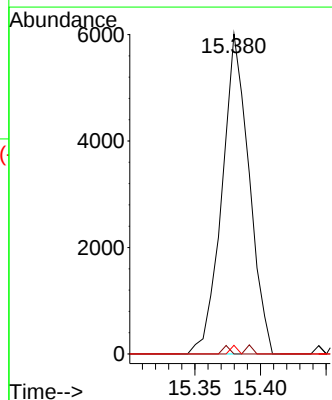
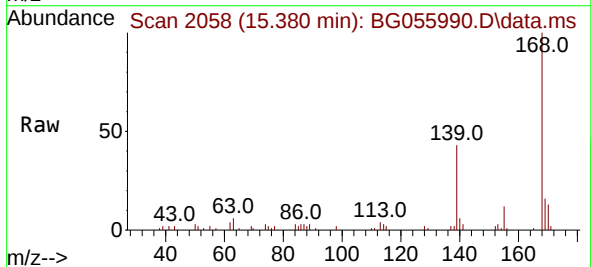
Instrument :
BNA_G
ClientSampleId :
ORA-1509

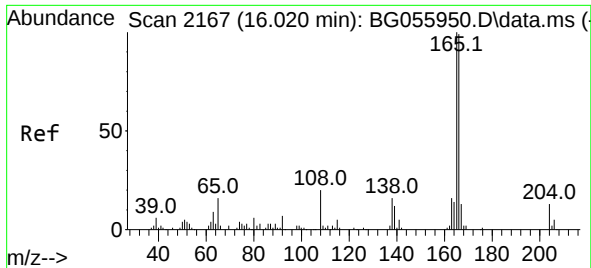
Tgt Ion:168 Resp: 22485
Ion Ratio Lower Upper
168 100
139 43.1 29.8 44.8
169 16.3 10.6 16.0#



#56
4-Nitrophenol
Concen: 28.463 ng
RT: 15.380 min Scan# 2058
Delta R.T. 0.235 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:139 Resp: 8623
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 2.7 79.2 119.2#

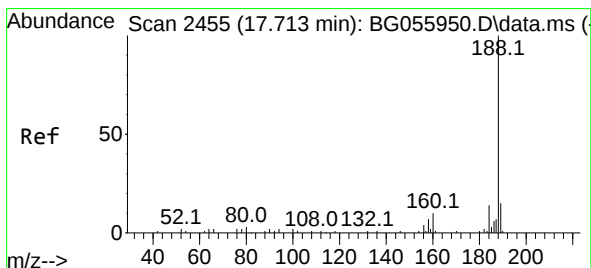
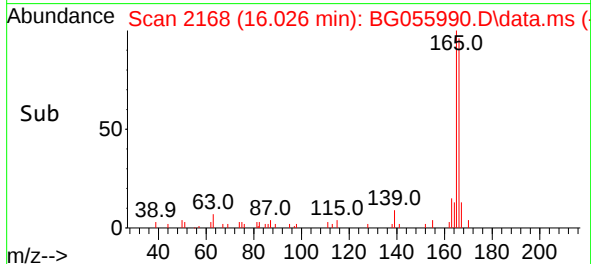
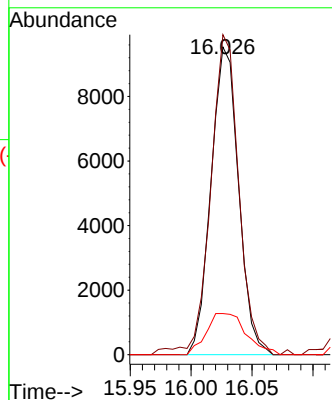
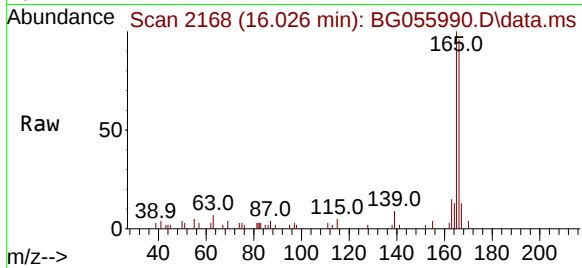




#58
 Fluorene
 Concen: 6.646 ng
 RT: 16.026 min Scan# 2167
 Delta R.T. 0.006 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59

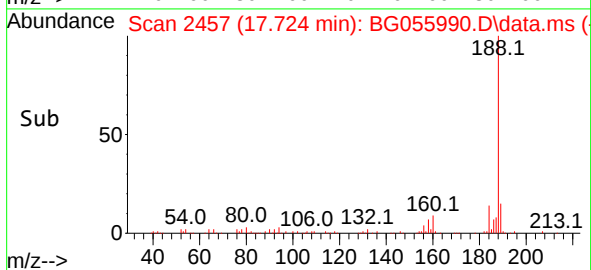
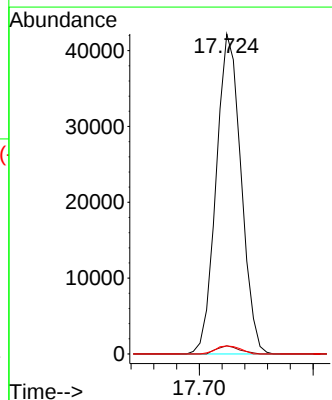
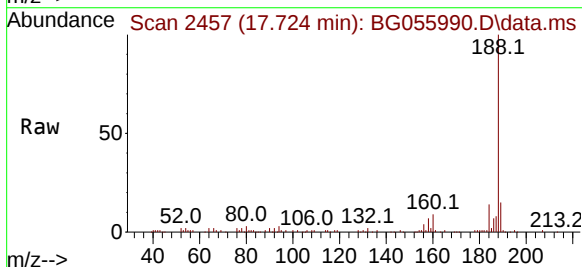
Instrument :
 BNA_G
 ClientSampleId :
 ORA-1509

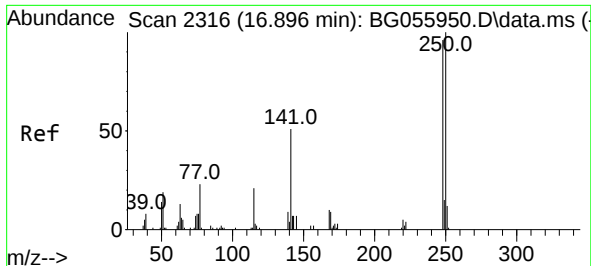
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.0	81.1	121.7
167	13.4	10.5	15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.724 min Scan# 2457
 Delta R.T. 0.012 min
 Lab File: BG055990.D
 Acq: 15 Dec 2022 23:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.6	1.8	2.8
80	2.5	2.4	3.6

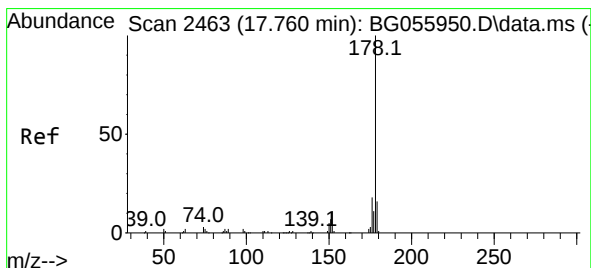
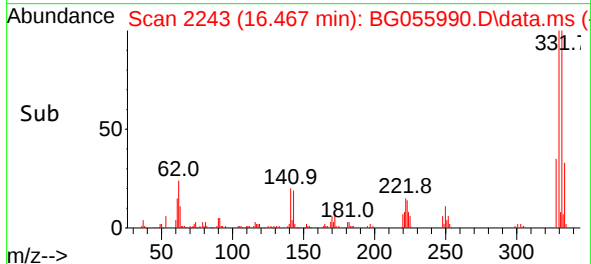
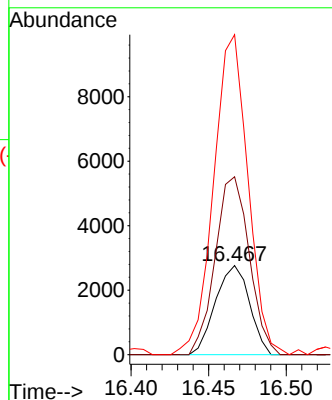
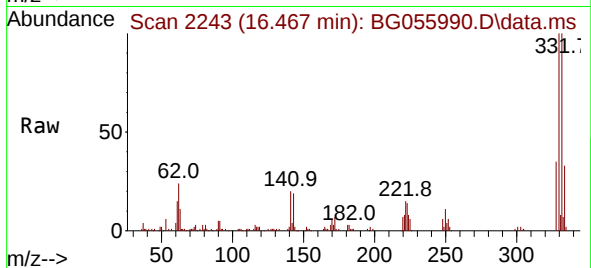




#67
4-Bromophenyl-phenylether
Concen: 4.477 ng
RT: 16.467 min Scan# 21
Delta R.T. -0.429 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

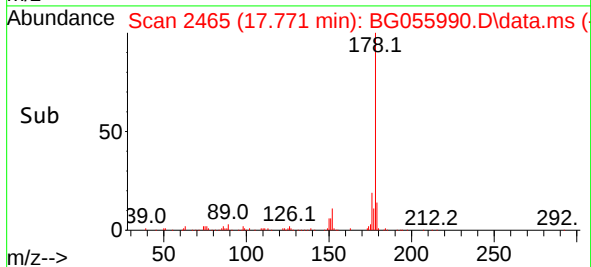
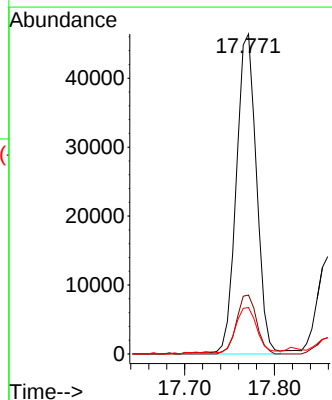
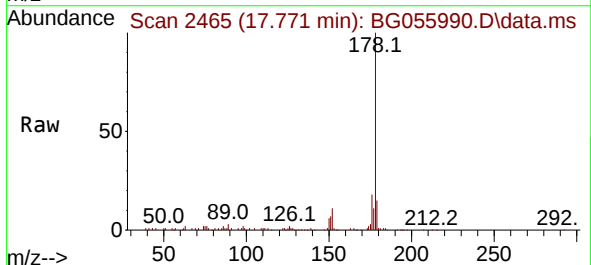
Instrument :
BNA_G
ClientSampleId :
ORA-1509

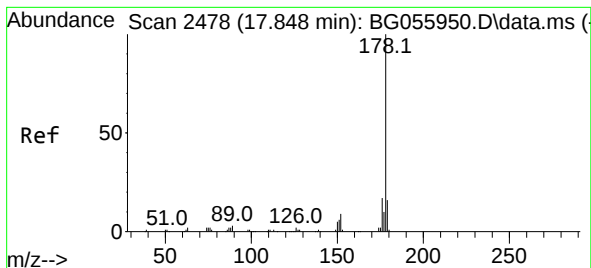
Tgt Ion:248 Resp: 4210
Ion Ratio Lower Upper
248 100
250 199.6 83.0 124.6#
141 358.8 42.6 64.0#



#71
Phenanthrene
Concen: 21.510 ng
RT: 17.771 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:178 Resp: 72345
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 14.5 12.7 19.1





#72

Anthracene

Concen: 6.338 ng

RT: 17.859 min Scan# 2478

Delta R.T. 0.012 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

ORA-1509

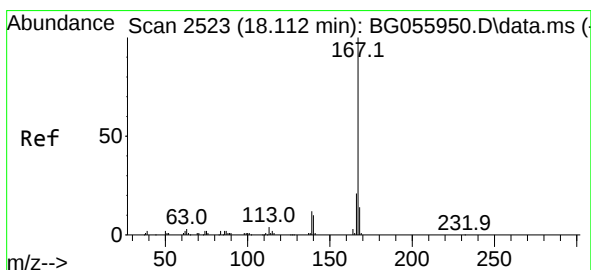
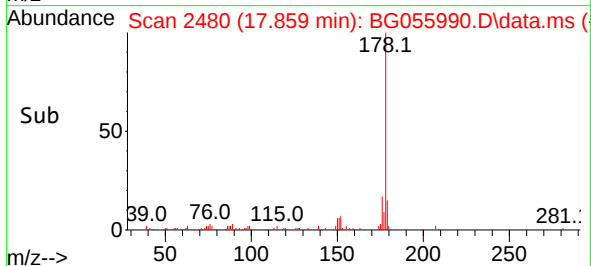
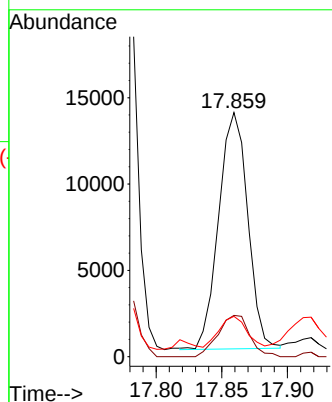
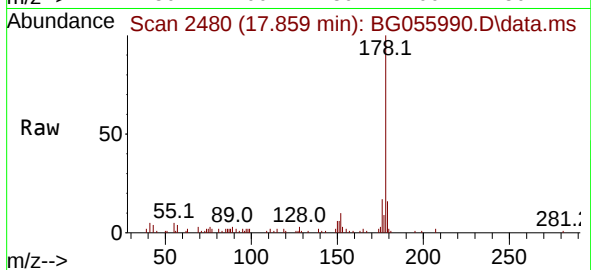
Tgt Ion:178 Resp: 21091

Ion Ratio Lower Upper

178 100

176 16.9 13.9 20.9

179 16.5 12.7 19.1



#73

Carbazole

Concen: 2.964 ng

RT: 18.118 min Scan# 2524

Delta R.T. 0.006 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

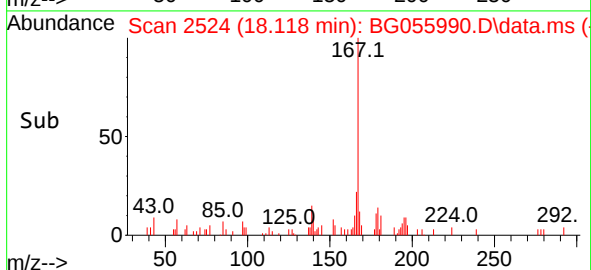
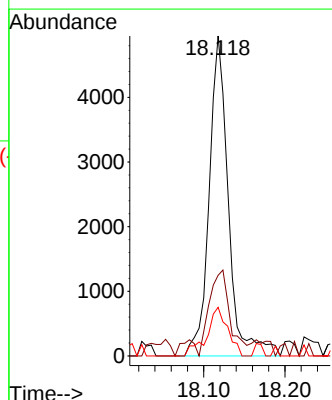
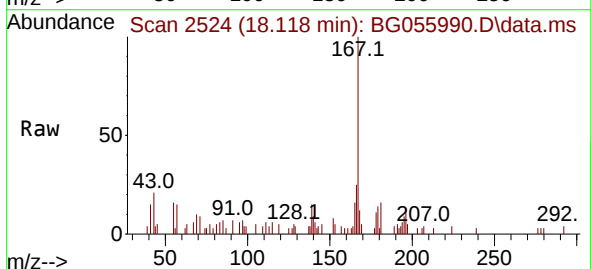
Tgt Ion:167 Resp: 8133

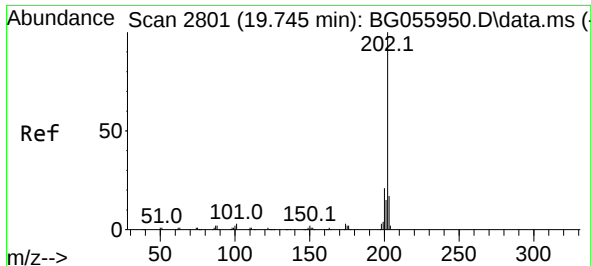
Ion Ratio Lower Upper

167 100

166 25.2 16.6 25.0#

139 15.2 9.7 14.5#

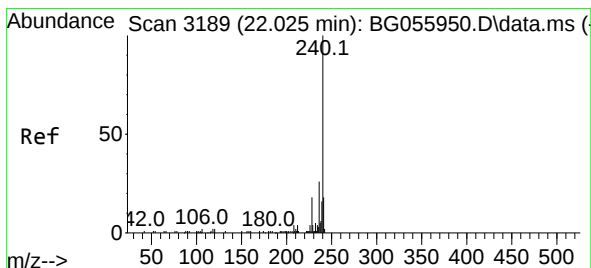
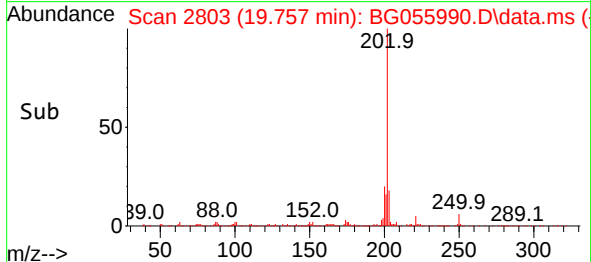
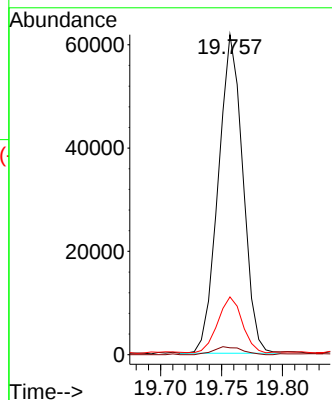
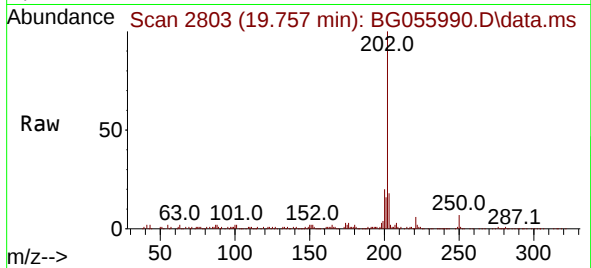




#75
Fluoranthene
Concen: 18.356 ng
RT: 19.757 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

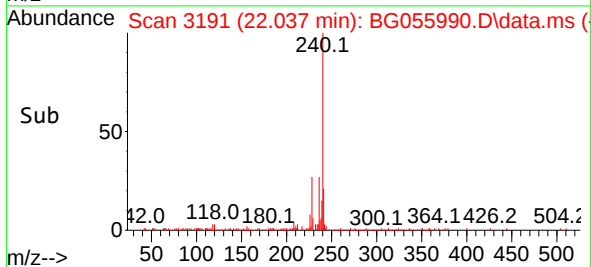
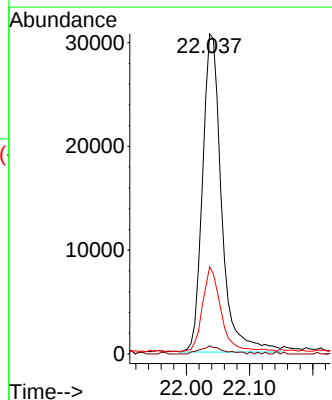
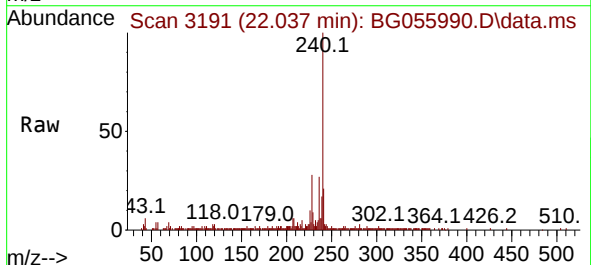
Instrument :
BNA_G
ClientSampleId :
ORA-1509

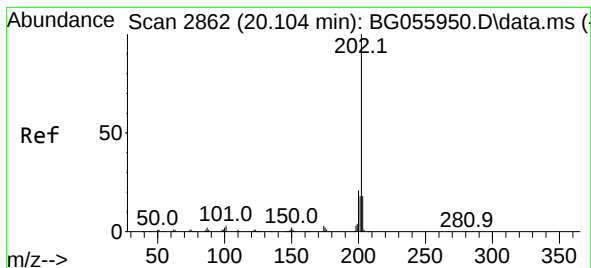
Tgt Ion:202 Resp: 86454
Ion Ratio Lower Upper
202 100
101 2.1 0.0 22.6
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.037 min Scan# 3191
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:240 Resp: 64485
Ion Ratio Lower Upper
240 100
120 2.6 1.7 2.5#
236 27.2 21.1 31.7





#78

Pyrene

Concen: 19.706 ng

RT: 20.115 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

ORA-1509

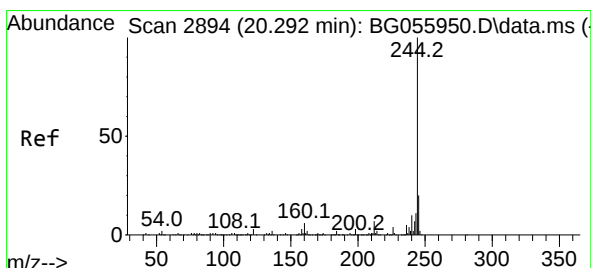
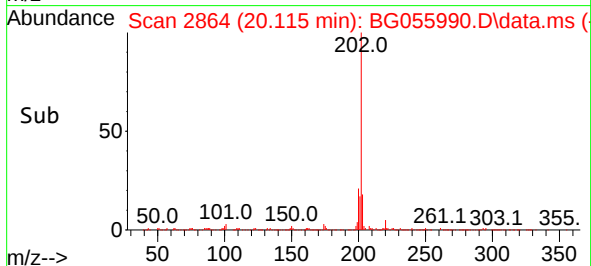
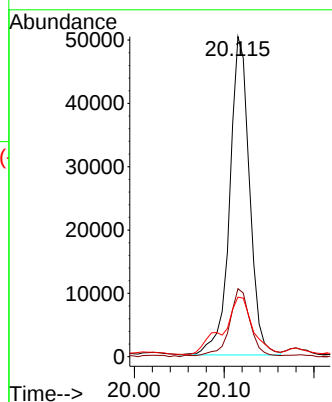
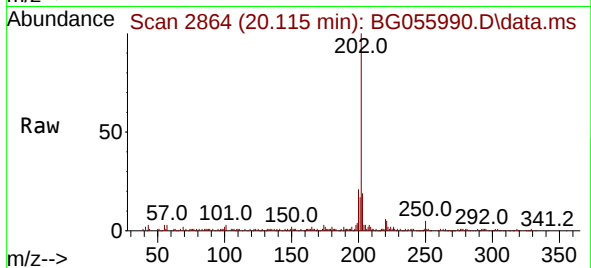
Tgt Ion:202 Resp: 76892

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 57.256 ng

RT: 20.303 min Scan# 2896

Delta R.T. 0.012 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

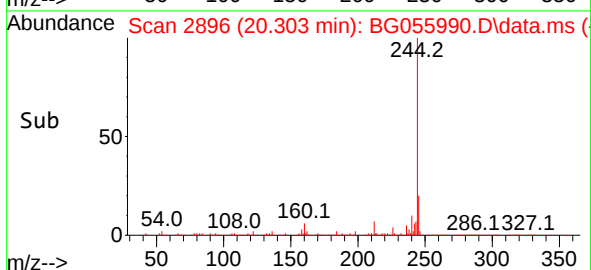
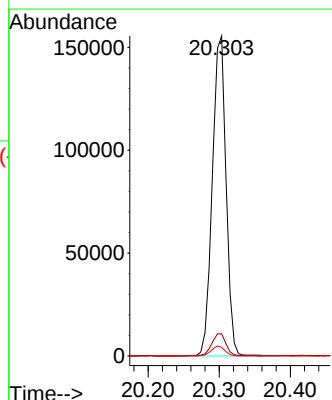
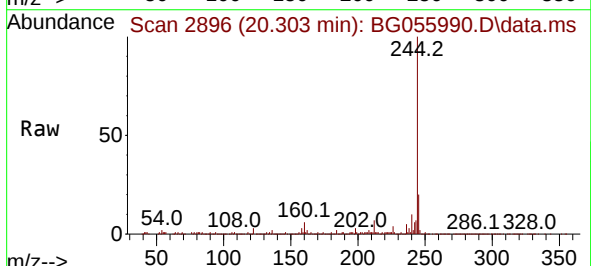
Tgt Ion:244 Resp: 208903

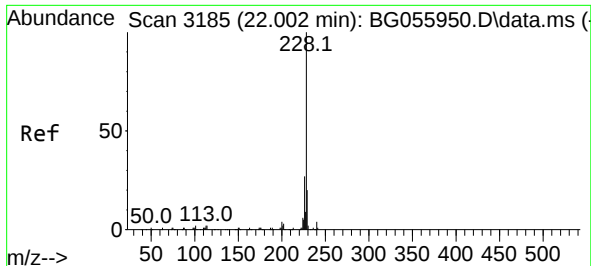
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 2.7 2.5 3.7

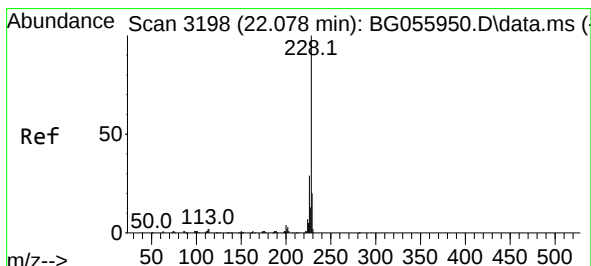
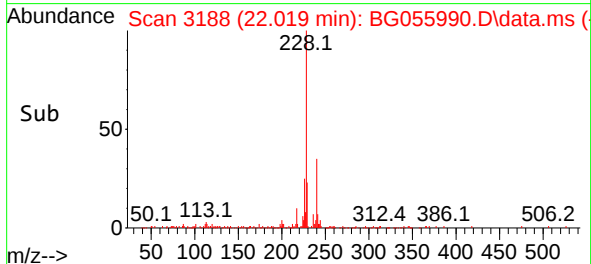
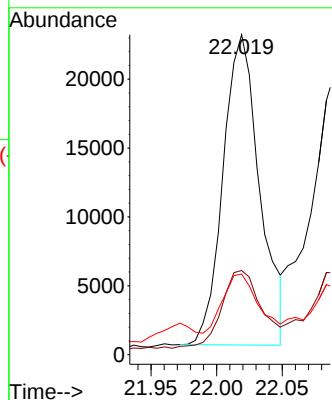
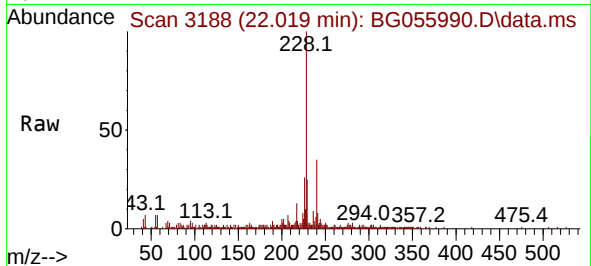




#81
Benzo(a)anthracene
Concen: 9.656 ng
RT: 22.019 min Scan# 3188
Delta R.T. 0.017 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

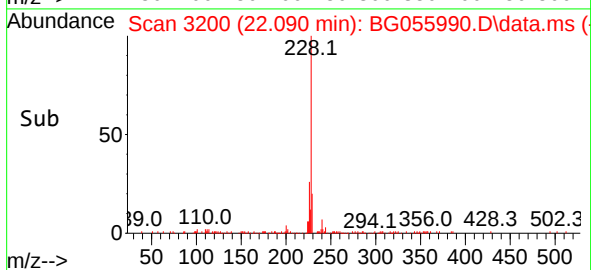
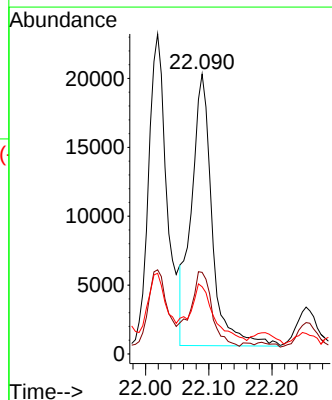
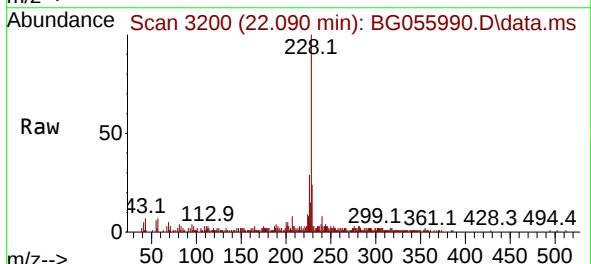
Instrument :
BNA_G
ClientSampleId :
ORA-1509

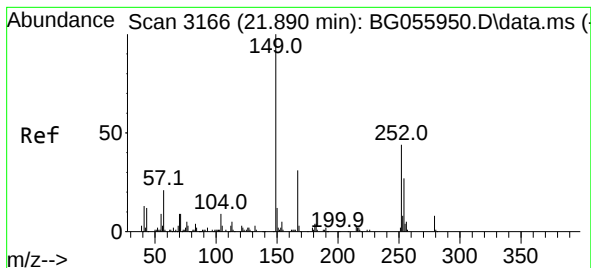
Tgt Ion:228 Resp: 43814
Ion Ratio Lower Upper
228 100
226 26.3 21.8 32.6
229 25.2 15.9 23.9#



#83
Chrysene
Concen: 10.560 ng
RT: 22.090 min Scan# 3200
Delta R.T. 0.012 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:228 Resp: 44908
Ion Ratio Lower Upper
228 100
226 29.2 23.1 34.7
229 24.0 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.188 ng

RT: 21.890 min Scan# 3166

Delta R.T. -0.000 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

ORA-1509

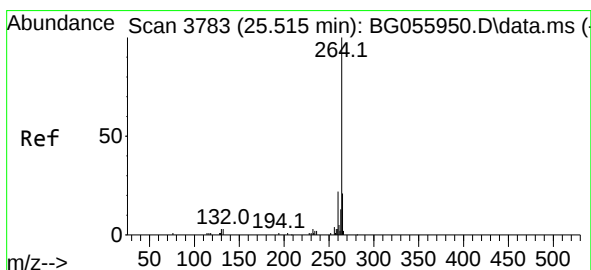
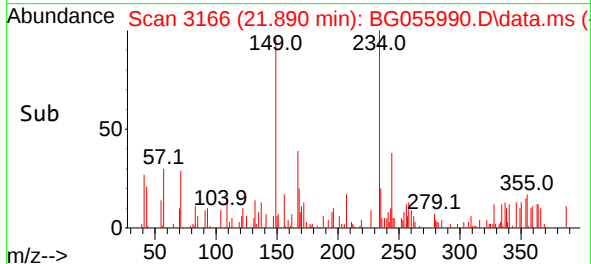
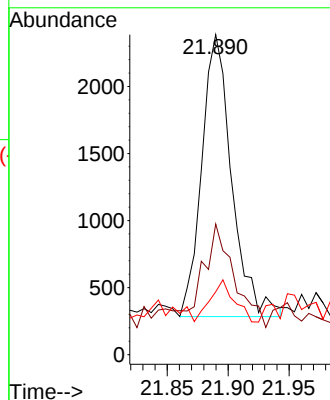
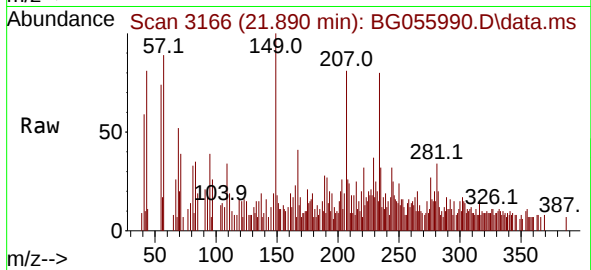
Tgt Ion:149 Resp: 3594

Ion Ratio Lower Upper

149 100

167 40.8 24.6 36.8#

279 19.7 6.3 9.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.556 min Scan# 3790

Delta R.T. 0.041 min

Lab File: BG055990.D

Acq: 15 Dec 2022 23:59

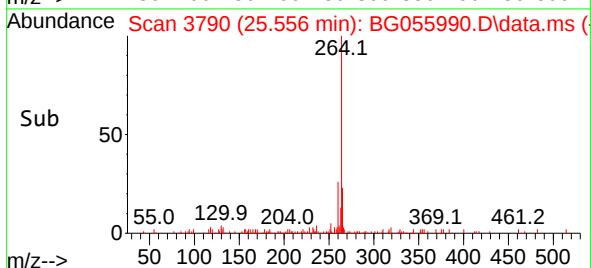
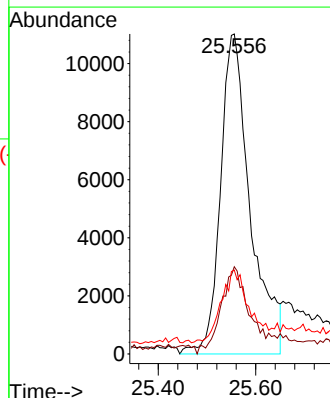
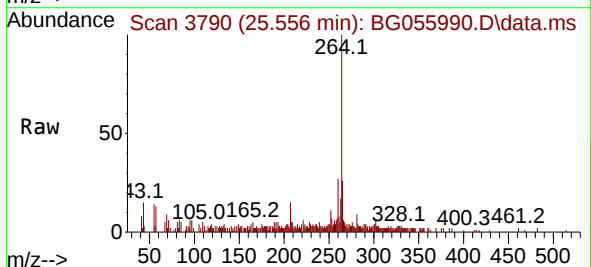
Tgt Ion:264 Resp: 46825

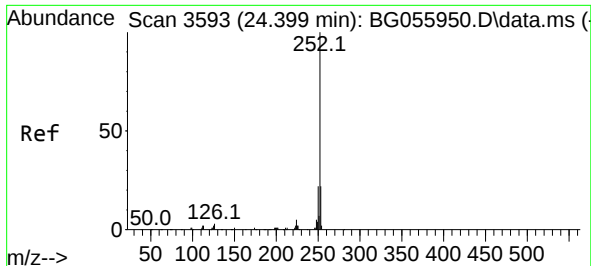
Ion Ratio Lower Upper

264 100

260 27.3 17.8 26.8#

265 26.2 16.6 25.0#

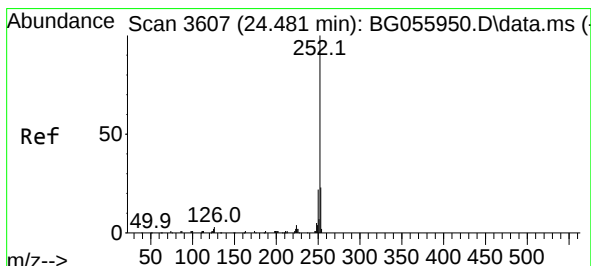
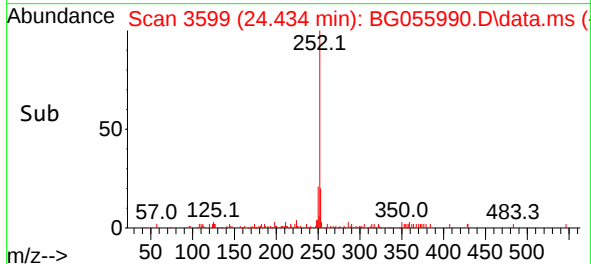
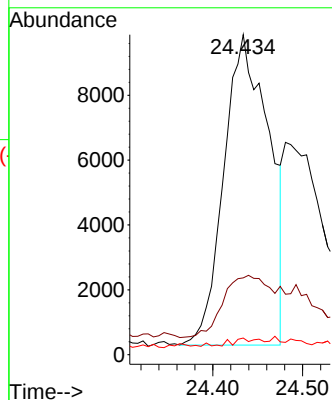
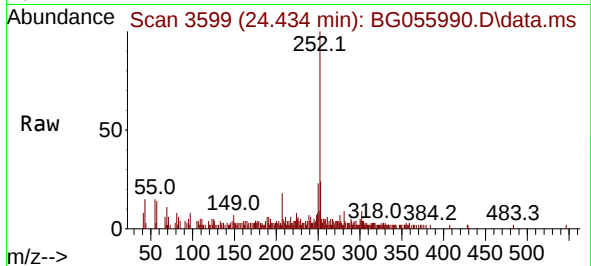




#88
Benzo(b)fluoranthene
Concen: 11.007 ng
RT: 24.434 min Scan# 3599
Delta R.T. 0.035 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

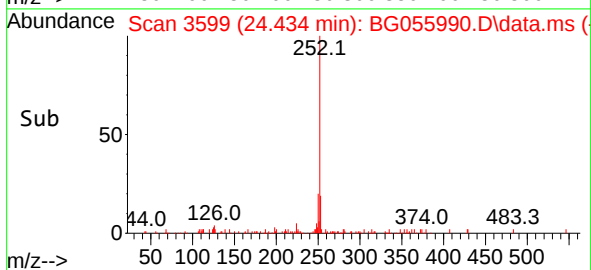
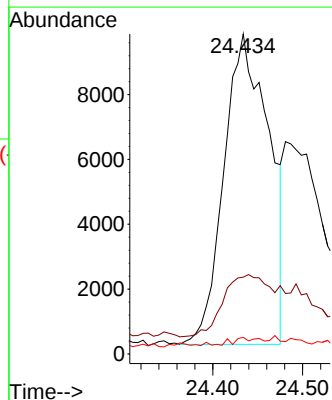
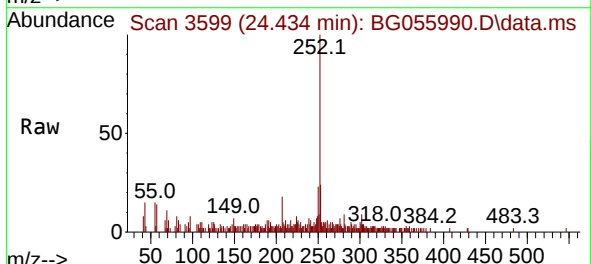
Instrument :
BNA_G
ClientSampleId :
ORA-1509

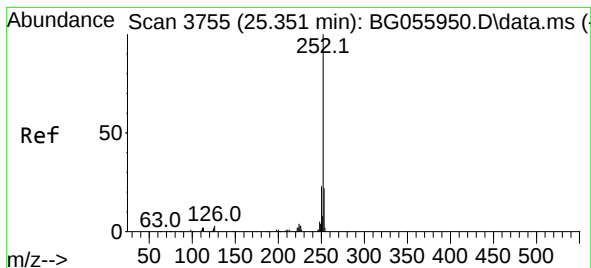
Tgt Ion:252 Resp: 33357
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 5.2 1.8 2.8#



#89
Benzo(k)fluoranthene
Concen: 11.032 ng
RT: 24.434 min Scan# 3599
Delta R.T. -0.047 min
Lab File: BG055990.D
Acq: 15 Dec 2022 23:59

Tgt Ion:252 Resp: 33357
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 5.2 2.0 3.0#





#90

Benzo(a)pyrene

Concen: 9.727 ng

RT: 25.386 min Scan# 31

Delta R.T. 0.035 min

Lab File: BG055990.D

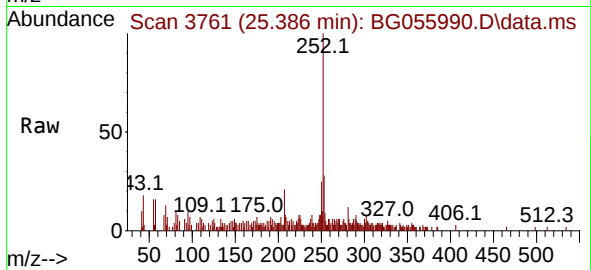
Acq: 15 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

ORA-1509



Tgt Ion:252 Resp: 24916

Ion Ratio Lower Upper

252 100

253 27.6 17.7 26.5#

125 5.8 1.9 2.9#

