

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
 Data File : BG055498.D
 Acq On : 8 Nov 2022 5:09
 Operator : CG/JU
 Sample : N5481-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 06:07:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 03:46:08 2022
 Response via : Initial Calibration

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

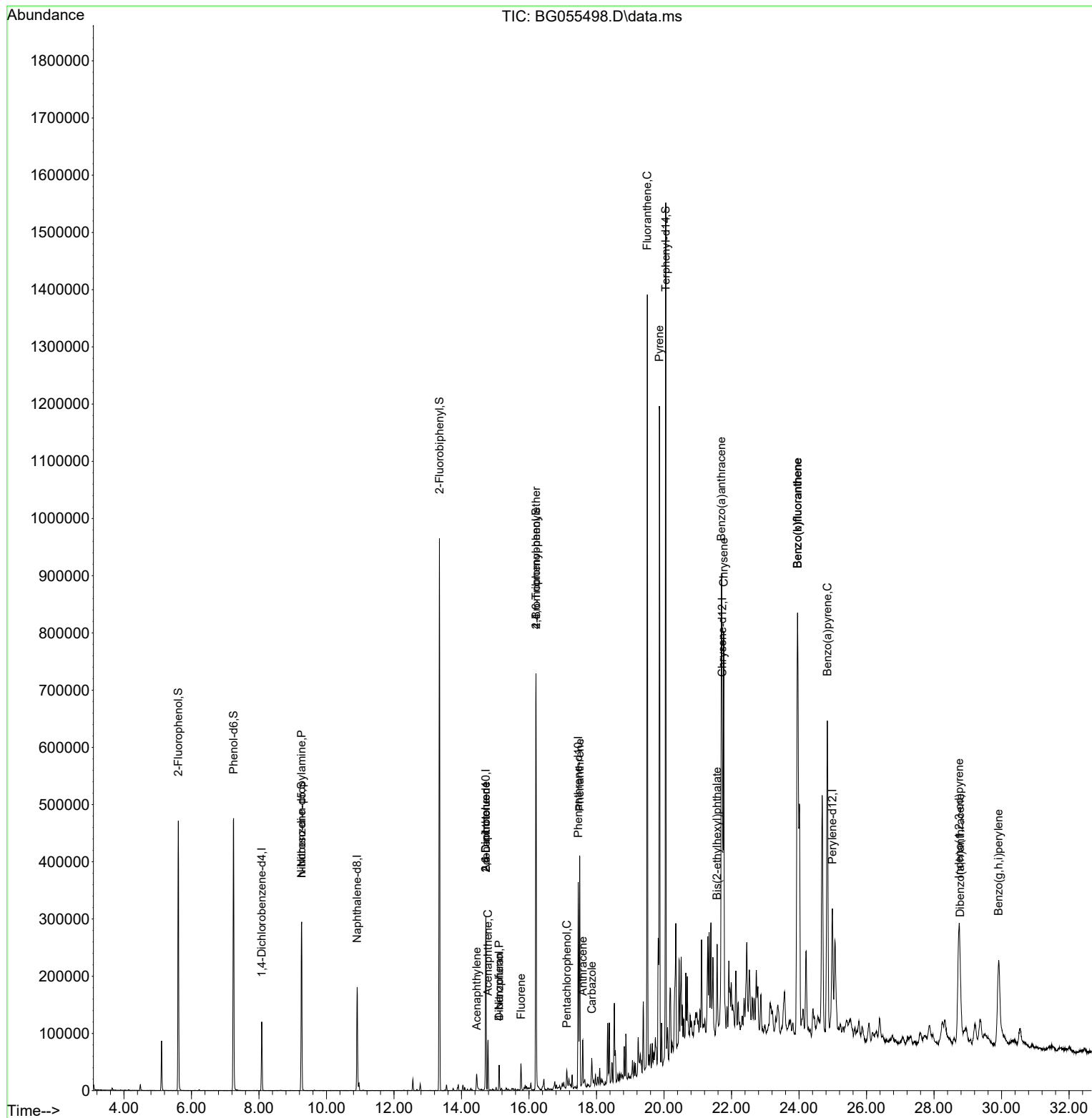
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.082	152	37542	20.000	ng	0.00
21) Naphthalene-d8	10.908	136	165745	20.000	ng	# 0.00
39) Acenaphthene-d10	14.721	164	109459	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	226119	20.000	ng	# 0.00
76) Chrysene-d12	21.725	240	211841	20.000	ng	0.00
86) Perylene-d12	24.986	264	246972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.608	112	242236	115.875	ng	0.00
7) Phenol-d6	7.248	99	321375	110.858	ng	0.00
23) Nitrobenzene-d5	9.263	82	188549	60.627	ng	0.00
42) 2,4,6-Tribromophenol	16.208	330	176512	118.223	ng	0.00
45) 2-Fluorobiphenyl	13.346	172	527461	71.446	ng	0.00
79) Terphenyl-d14	20.050	244	743167	68.217	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.263	70	24256	10.708	ng	# 73
49) Acenaphthylene	14.451	152	36056	3.393	ng	95
51) 2,6-Dinitrotoluene	14.721	165	14662	7.665	ng	# 27
52) Acenaphthene	14.786	154	33401	5.281	ng	98
55) Dibenzofuran	15.115	168	29441	2.812	ng	95
56) 4-Nitrophenol	15.115	139	10739	7.285	ng	# 7
57) 2,4-Dinitrotoluene	14.721	165	14662	5.361	ng	# 25
58) Fluorene	15.761	166	23359	2.747	ng	98
67) 4-Bromophenyl-phenylether	16.208	248	10511	3.932	ng	# 1
70) Pentachlorophenol	17.124	266	7799	8.883	ng	97
71) Phenanthrene	17.500	178	261138	20.531	ng	99
72) Anthracene	17.594	178	59189	4.748	ng	98
73) Carbazole	17.859	167	29287	2.525	ng	99
75) Fluoranthene	19.504	202	831585	54.355	ng	98
78) Pyrene	19.862	202	761176	50.934	ng	99
81) Benzo(a)anthracene	21.701	228	509494	35.036	ng	97
83) Chrysene	21.766	228	550065	39.648	ng	98
84) Bis(2-ethylhexyl)phtha...	21.572	149	50445	5.570	ng	99
87) Indeno(1,2,3-cd)pyrene	28.746	276	441095	22.245	ng	# 92
88) Benzo(b)fluoranthene	23.957	252	973940	62.083	ng	98
89) Benzo(k)fluoranthene	23.957	252	973940	61.779	ng	98
90) Benzo(a)pyrene	24.839	252	631417	46.549	ng	98
91) Dibenzo(a,h)anthracene	28.775	278	114034	6.971	ng	95
92) Benzo(g,h,i)perylene	29.915	276	401247	24.661	ng	97

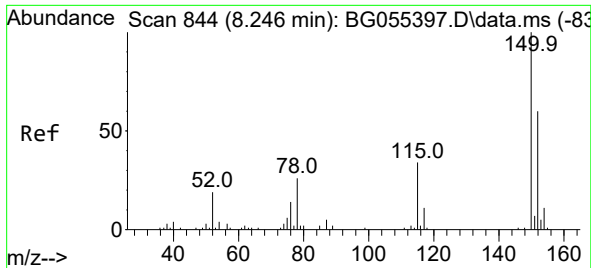
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
Data File : BG055498.D
Acq On : 8 Nov 2022 5:09
Operator : CG/JU
Sample : N5481-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 08 06:07:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 03:46:08 2022
Response via : Initial Calibration

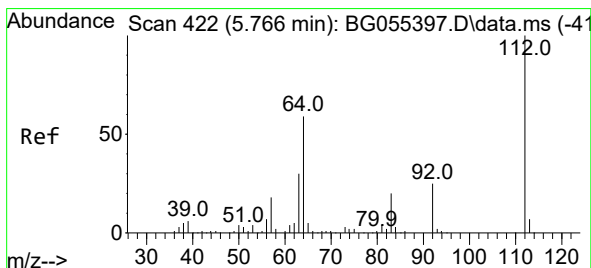
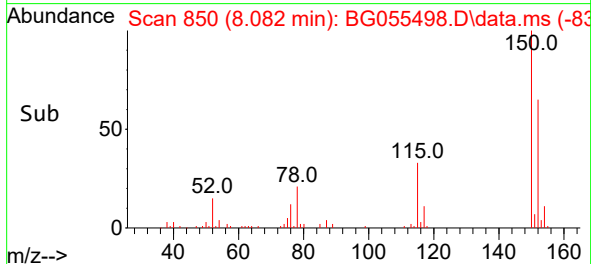
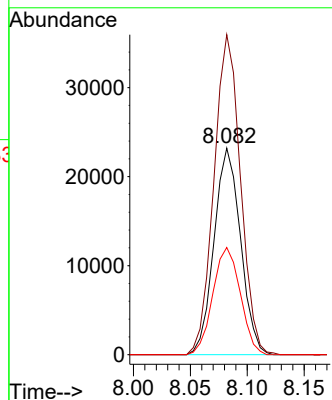
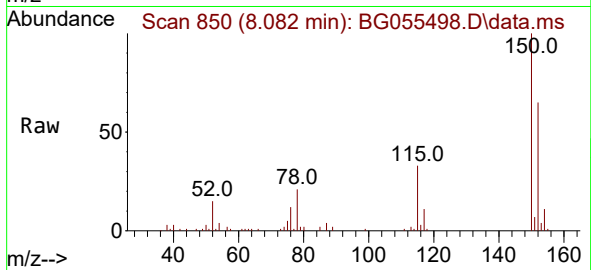




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.082 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

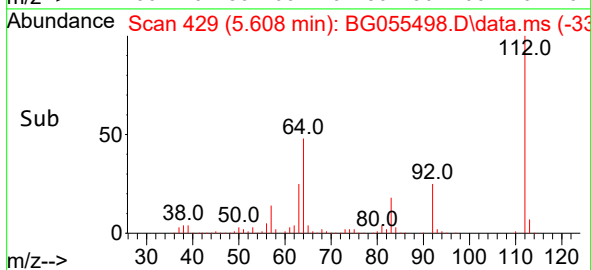
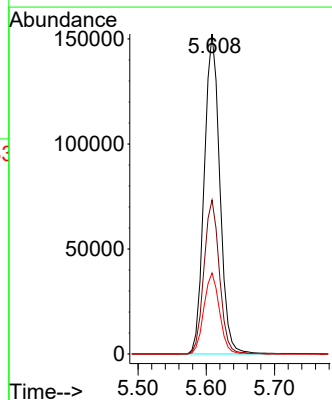
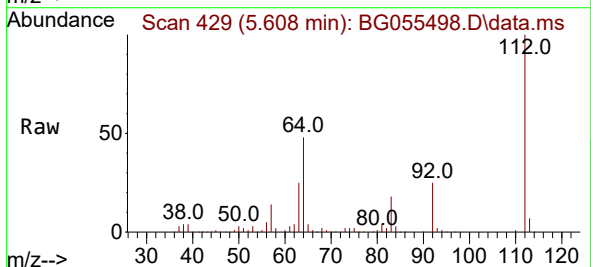
Instrument :
BNA_G
ClientSampleId :

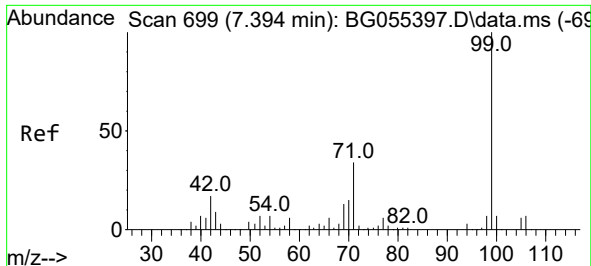
Tgt Ion:152 Resp: 37542
Ion Ratio Lower Upper
152 100
150 154.9 132.8 199.2
115 51.9 45.1 67.7



#5
2-Fluorophenol
Concen: 115.875 ng
RT: 5.608 min Scan# 429
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:112 Resp: 242236
Ion Ratio Lower Upper
112 100
64 48.1 47.2 70.8
63 25.3 24.3 36.5

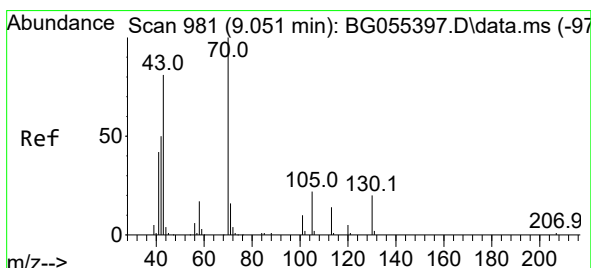
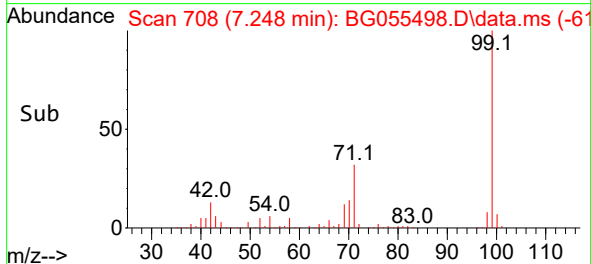
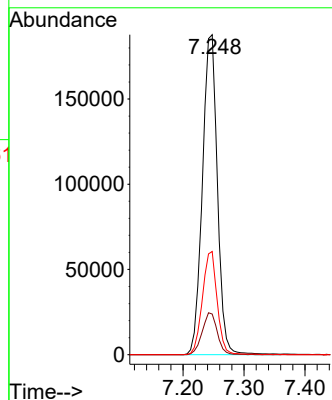
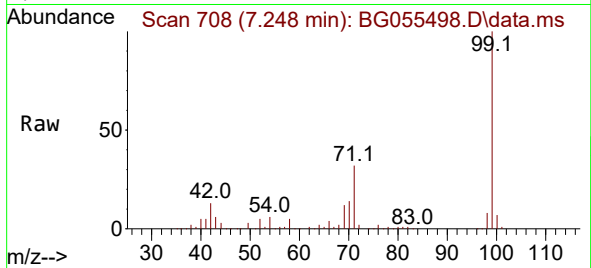




#7
Phenol-d6
Concen: 110.858 ng
RT: 7.248 min Scan# 70
Delta R.T. 0.005 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

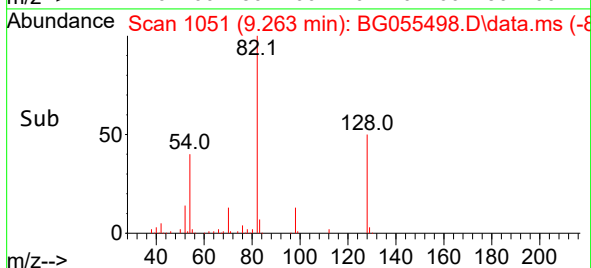
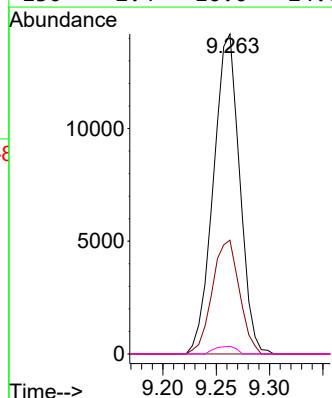
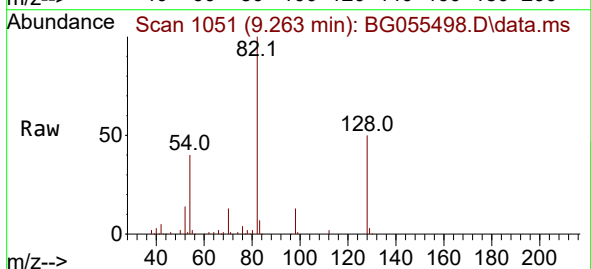
Instrument :
BNA_G
ClientSampleId :

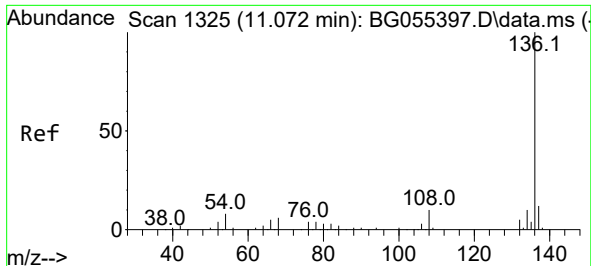
Tgt Ion: 99 Resp: 321375
Ion Ratio Lower Upper
99 100
42 12.7 13.5 20.3#
71 32.2 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.708 ng
RT: 9.263 min Scan# 1051
Delta R.T. 0.364 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

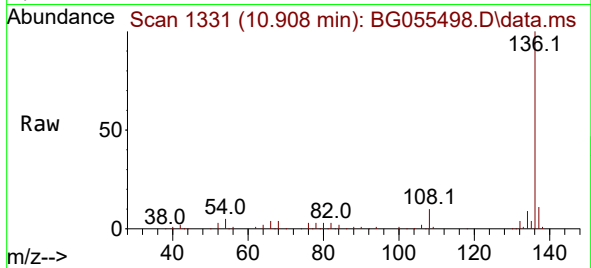
Tgt Ion: 70 Resp: 24256
Ion Ratio Lower Upper
70 100
42 35.6 40.6 61.0#
101 0.0 7.8 11.6#
130 2.4 16.0 24.0#



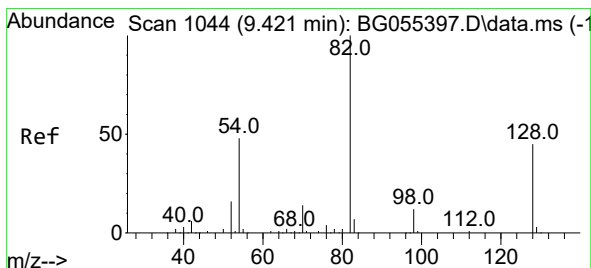
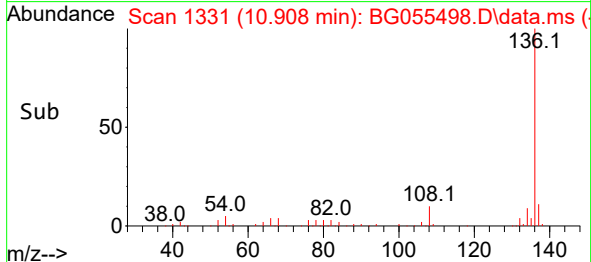
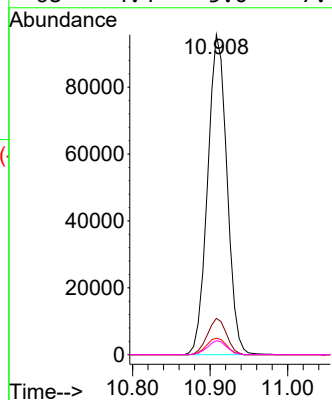


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :

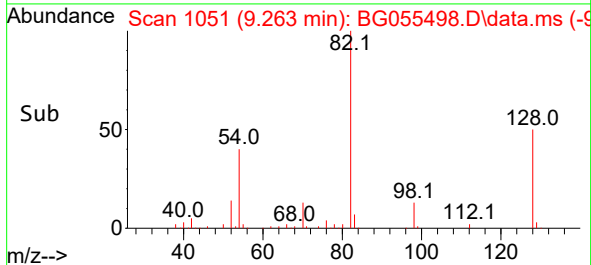
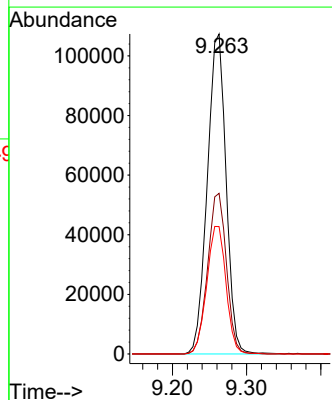
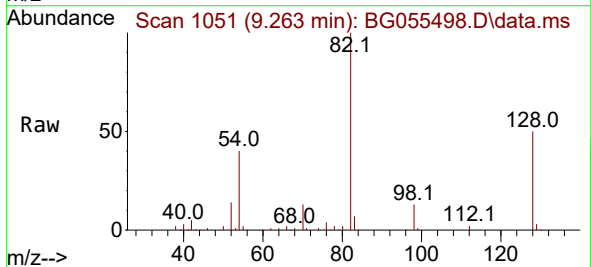


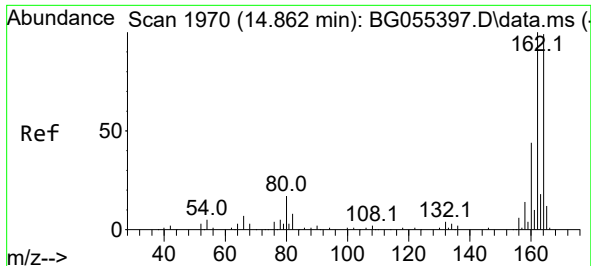
Tgt Ion:136 Resp: 165745
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 5.1 6.1 9.1#
68 4.4 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 60.627 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

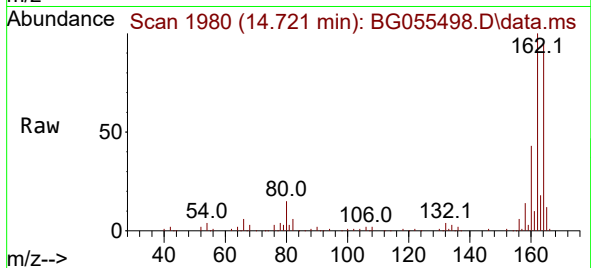
Tgt Ion: 82 Resp: 188549
Ion Ratio Lower Upper
82 100
128 50.2 35.8 53.8
54 39.8 38.1 57.1



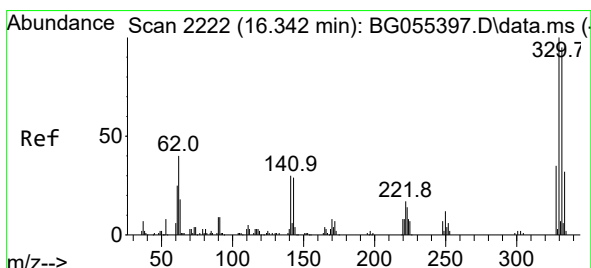
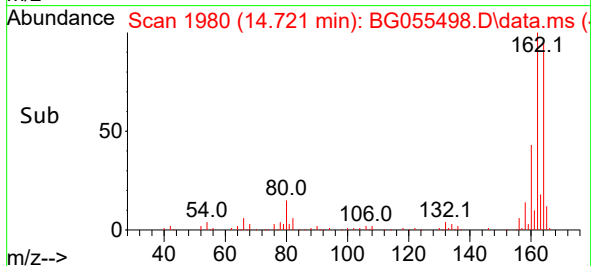
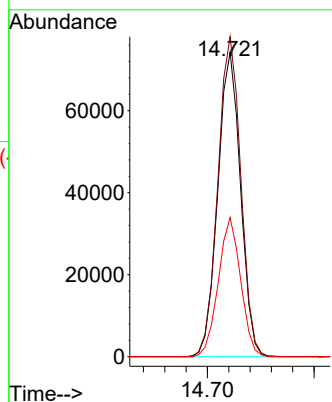


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.721 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :

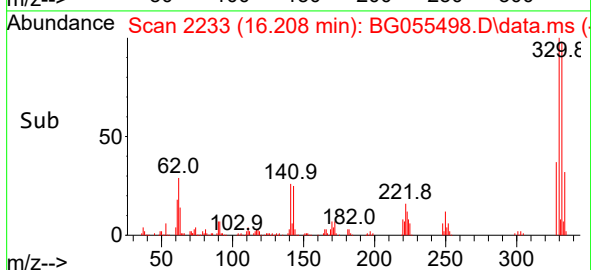
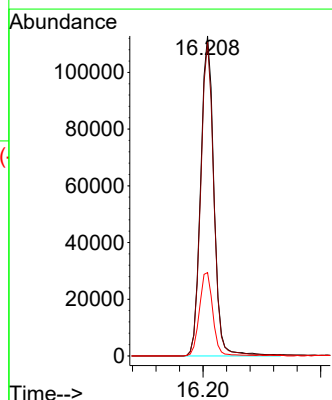
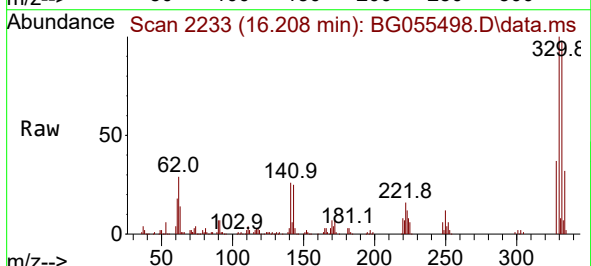


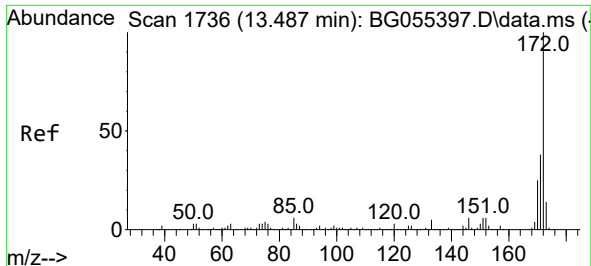
Tgt Ion:164 Resp: 109459
Ion Ratio Lower Upper
164 100
162 105.0 81.1 121.7
160 45.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 118.223 ng
RT: 16.208 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:330 Resp: 176512
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 26.5 24.2 36.2

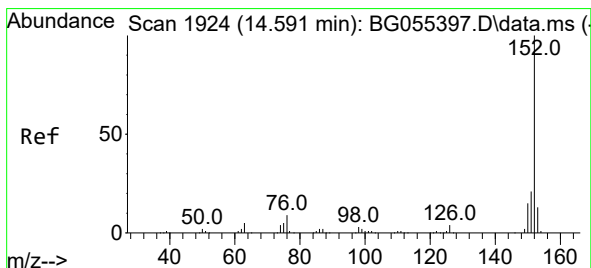
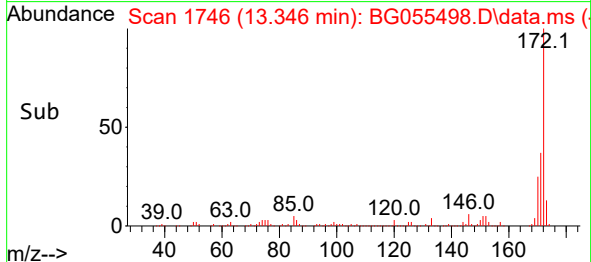
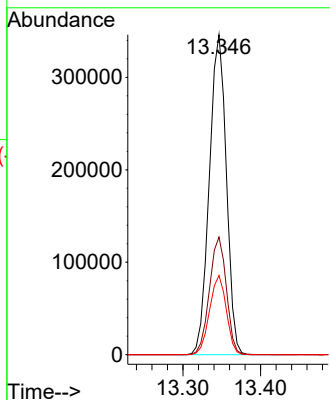
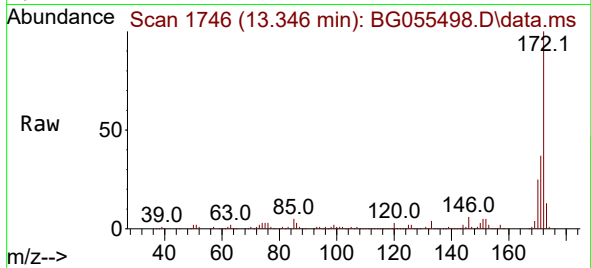




#45
2-Fluorobiphenyl
Concen: 71.446 ng
RT: 13.346 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

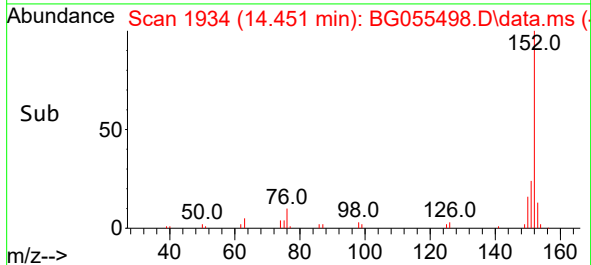
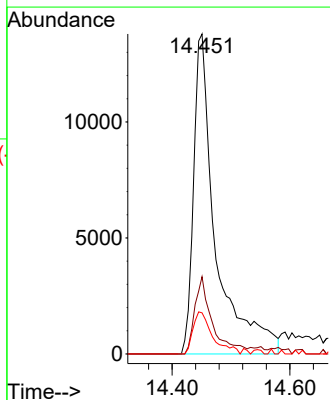
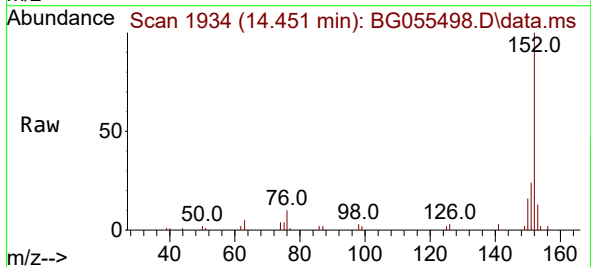
Instrument :
BNA_G
ClientSampleId :

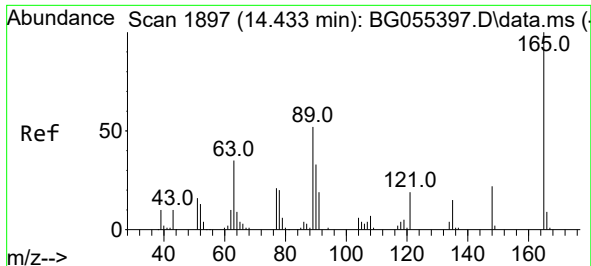
Tgt Ion:172 Resp: 527461
Ion Ratio Lower Upper
172 100
171 36.8 30.2 45.2
170 24.8 20.2 30.2



#49
Acenaphthylene
Concen: 3.393 ng
RT: 14.451 min Scan# 1934
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:152 Resp: 36056
Ion Ratio Lower Upper
152 100
151 24.2 16.7 25.1
153 12.9 10.7 16.1

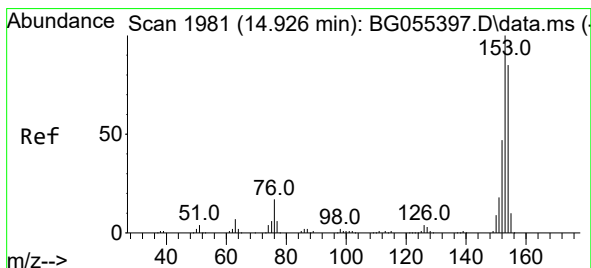
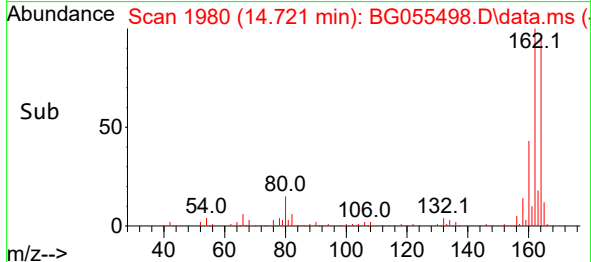
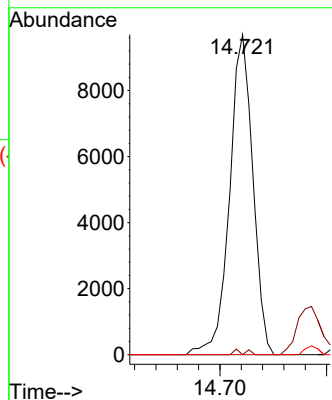
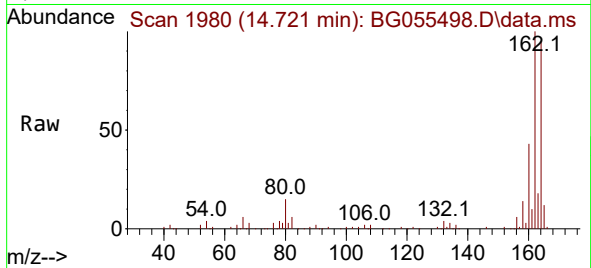




#51
2,6-Dinitrotoluene
Concen: 7.665 ng
RT: 14.721 min Scan# 1991
Delta R.T. 0.422 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

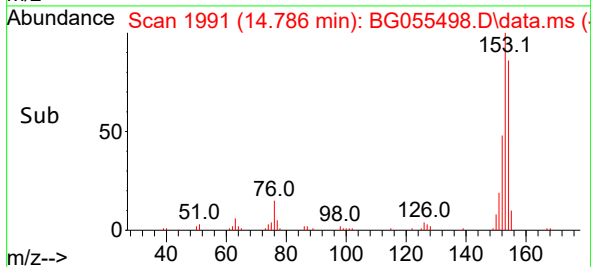
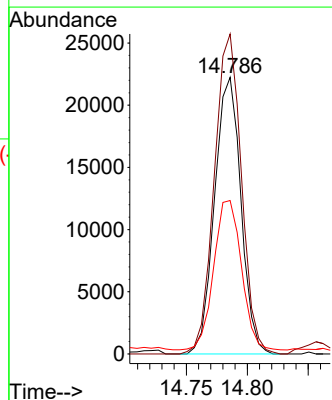
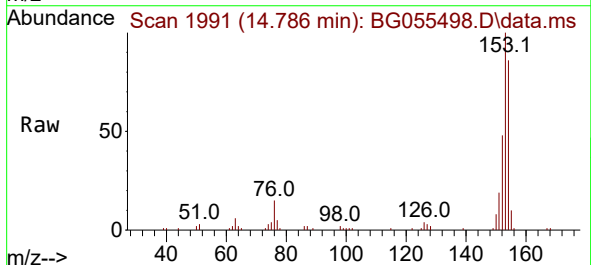
Instrument :
BNA_G
ClientSampleId :

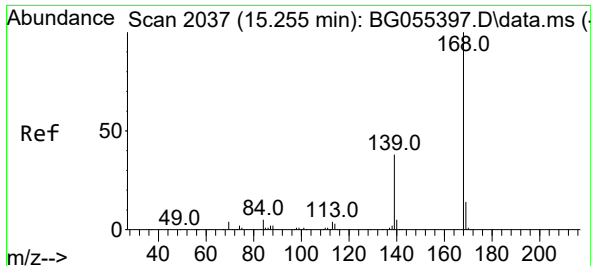
Tgt Ion:165 Resp: 14662
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 0.0 41.8 62.6#



#52
Acenaphthene
Concen: 5.281 ng
RT: 14.786 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:154 Resp: 33401
Ion Ratio Lower Upper
154 100
153 115.7 94.6 141.8
152 55.5 44.7 67.1

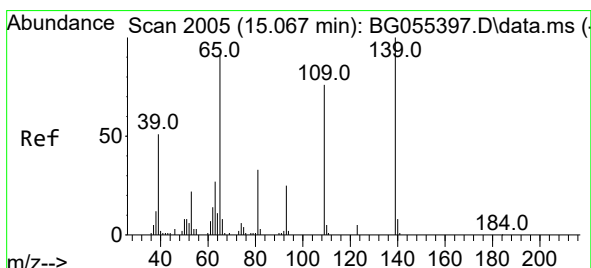
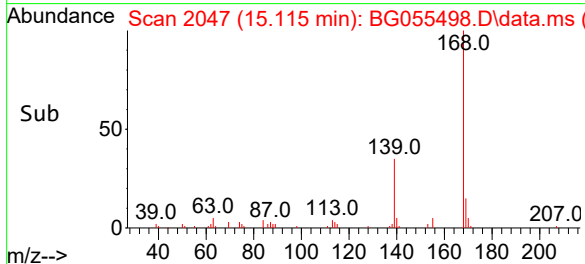
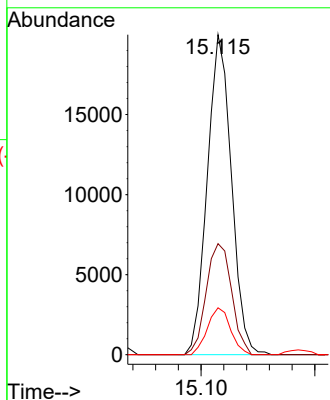
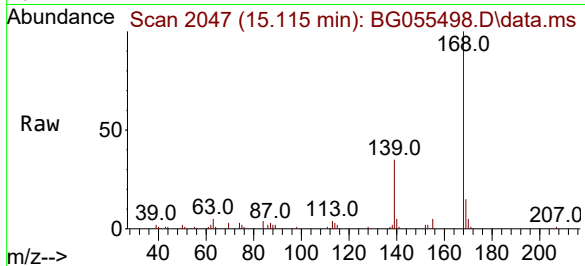




#55
Dibenzenofuran
Concen: 2.812 ng
RT: 15.115 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

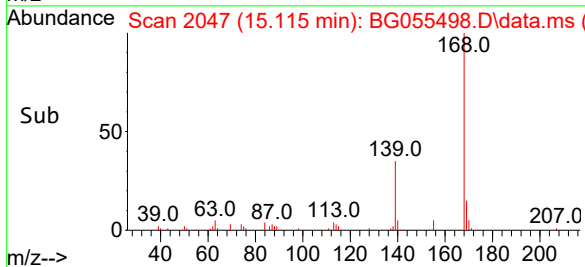
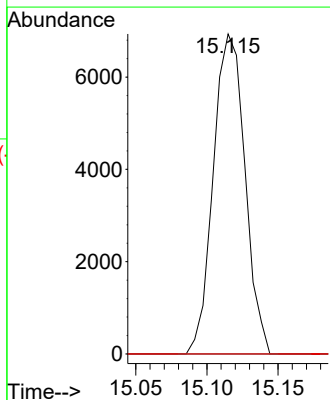
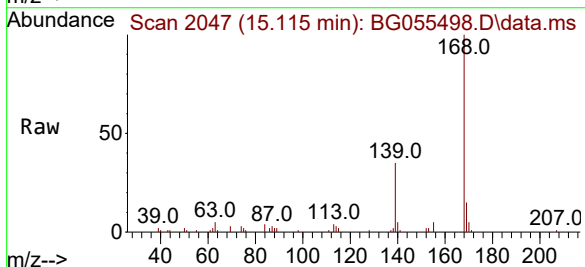
Instrument :
BNA_G
ClientSampleId :

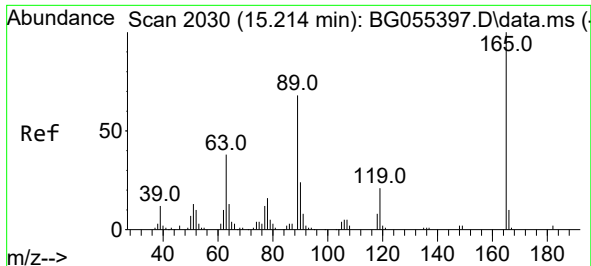
Tgt Ion:168 Resp: 29441
Ion Ratio Lower Upper
168 100
139 34.7 30.3 45.5
169 14.6 10.8 16.2



#56
4-Nitrophenol
Concen: 7.285 ng
RT: 15.115 min Scan# 2047
Delta R.T. 0.158 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:139 Resp: 10739
Ion Ratio Lower Upper
139 100
109 0.0 56.1 96.1#
65 0.0 71.2 111.2#





#57

2,4-Dinitrotoluene

Concen: 5.361 ng

RT: 14.721 min Scan# 1980

Delta R.T. -0.371 min

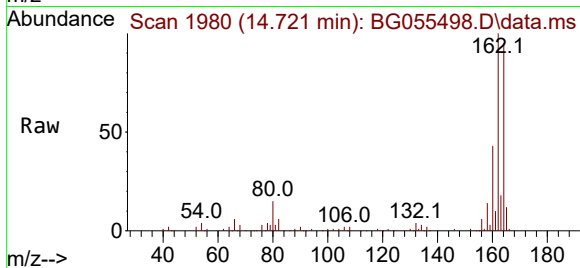
Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 14662

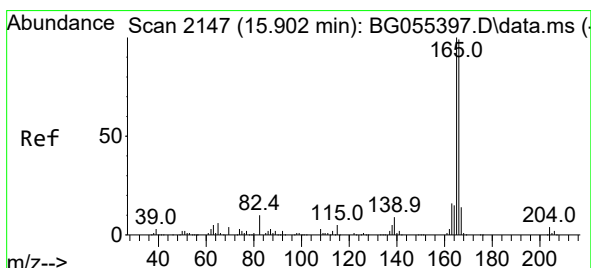
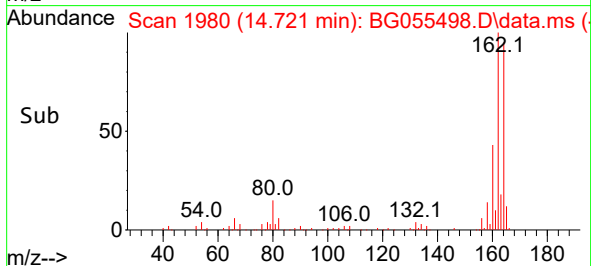
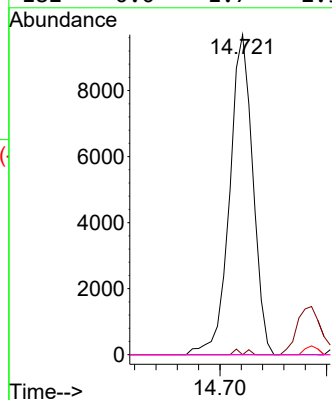
Ion Ratio Lower Upper

165 100

63 0.0 30.8 46.2#

89 0.0 54.5 81.7#

182 0.0 1.7 2.5#



#58

Fluorene

Concen: 2.747 ng

RT: 15.761 min Scan# 2157

Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

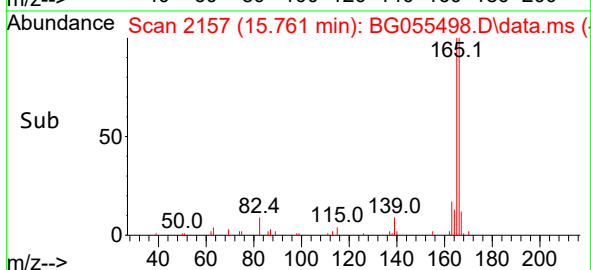
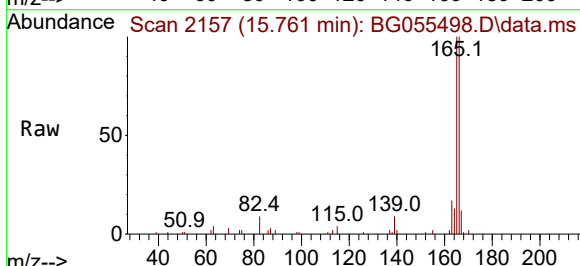
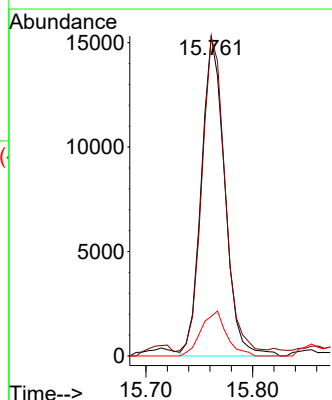
Tgt Ion:166 Resp: 23359

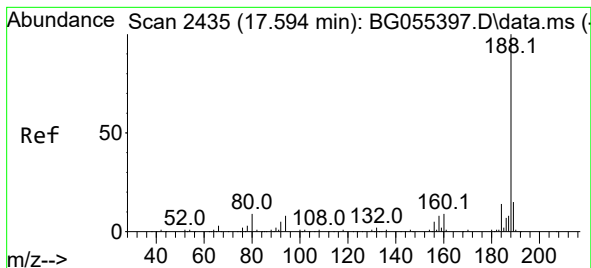
Ion Ratio Lower Upper

166 100

165 99.5 81.0 121.6

167 12.3 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.459 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

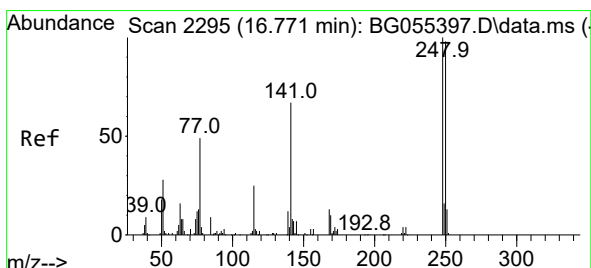
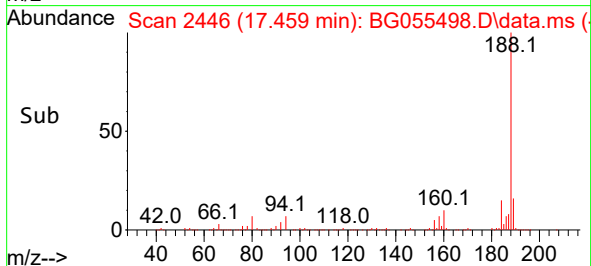
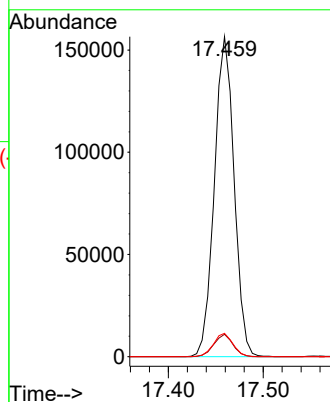
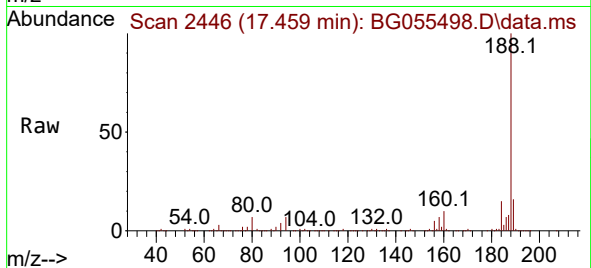
Tgt Ion:188 Resp: 226119

Ion Ratio Lower Upper

188 100

94 7.0 6.5 9.7

80 7.3 7.4 11.0#



#67

4-Bromophenyl-phenylether

Concen: 3.932 ng

RT: 16.208 min Scan# 2233

Delta R.T. -0.435 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

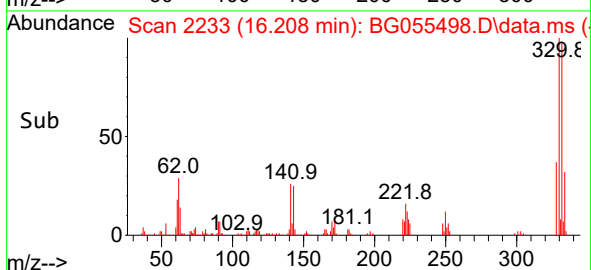
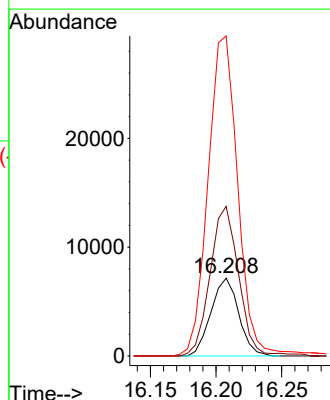
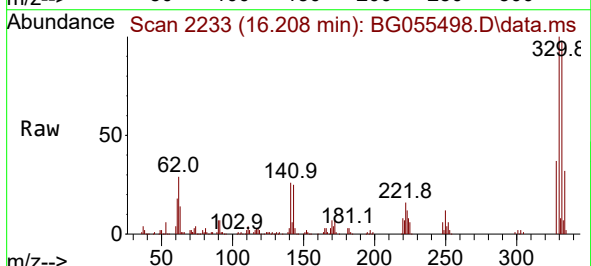
Tgt Ion:248 Resp: 10511

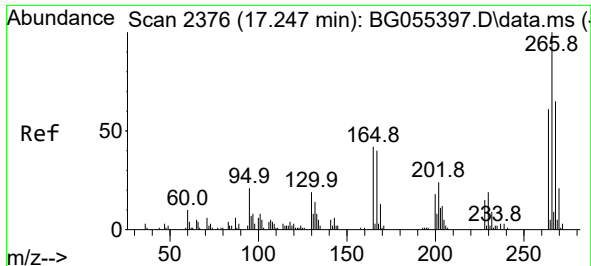
Ion Ratio Lower Upper

248 100

250 192.5 78.3 117.5#

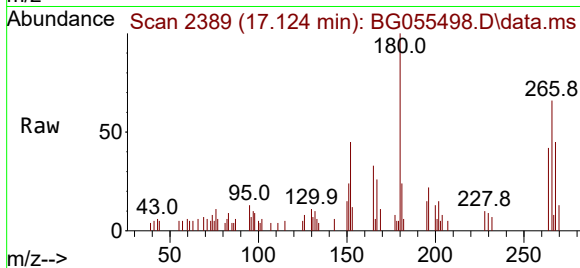
141 411.7 53.7 80.5#



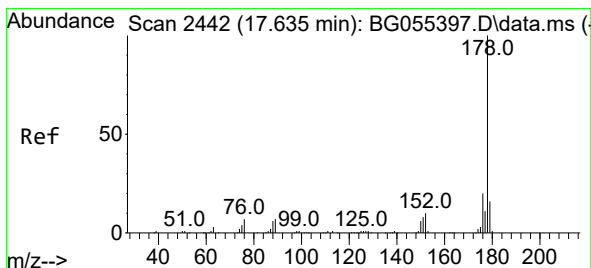
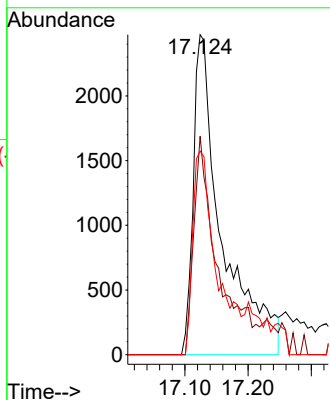
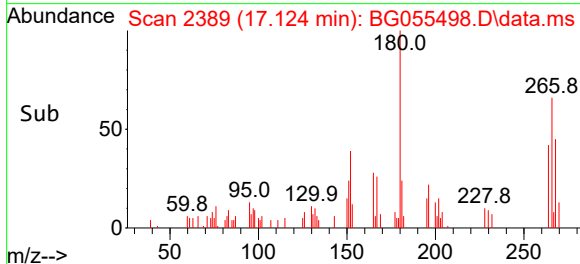


#70
 Pentachlorophenol
 Concen: 8.883 ng
 RT: 17.124 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

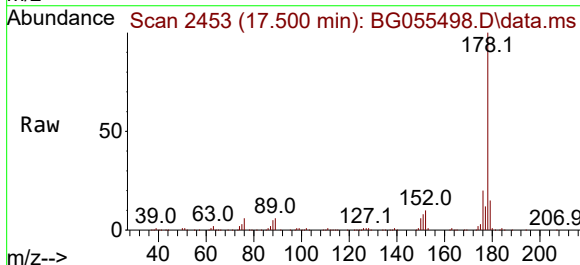
Instrument :
 BNA_G
 ClientSampleId :



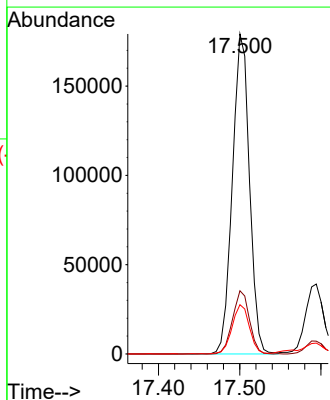
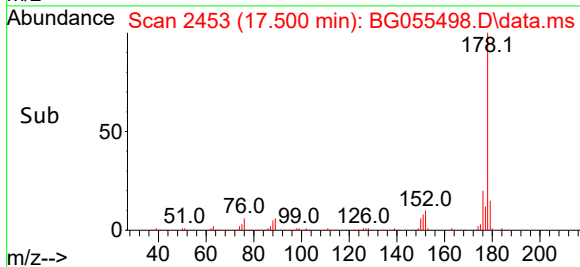
Tgt Ion:266 Resp: 7799
 Ion Ratio Lower Upper
 266 100
 268 68.3 52.2 78.4
 264 63.6 49.2 73.8

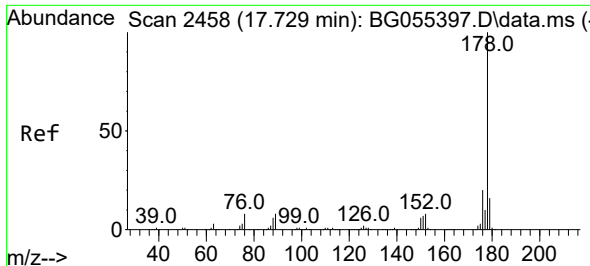


#71
 Phenanthrene
 Concen: 20.531 ng
 RT: 17.500 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09



Tgt Ion:178 Resp: 261138
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.4 12.7 19.1

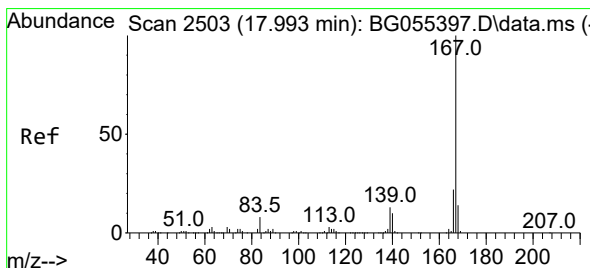
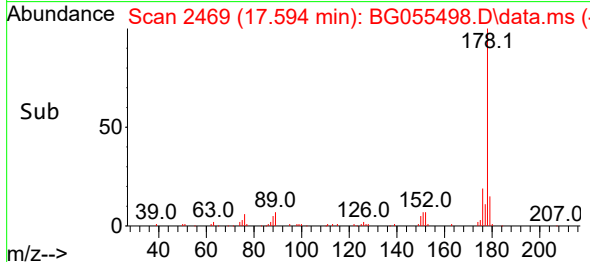
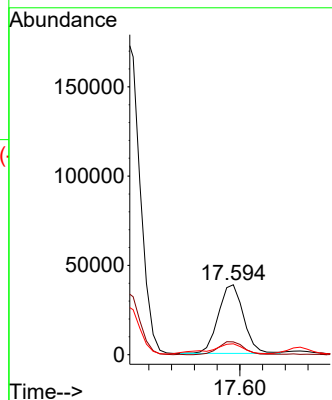
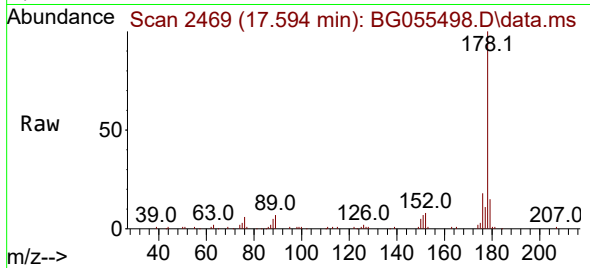




#72
 Anthracene
 Concen: 4.748 ng
 RT: 17.594 min Scan# 2458
 Delta R.T. -0.001 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

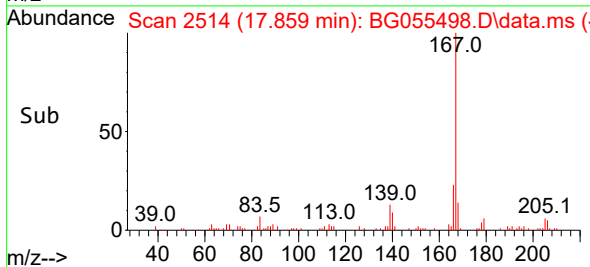
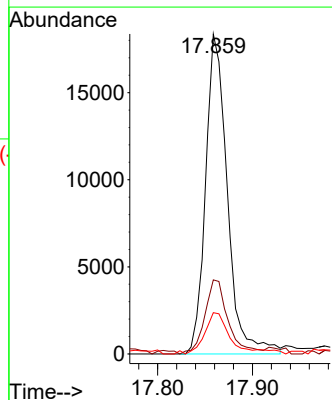
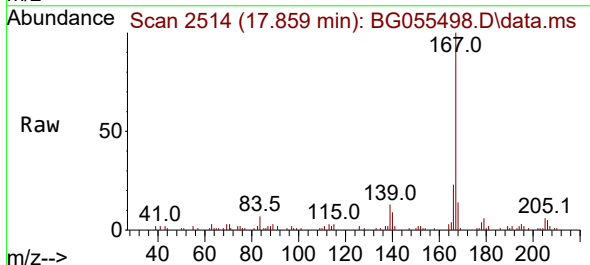
Instrument :
 BNA_G
 ClientSampleId :

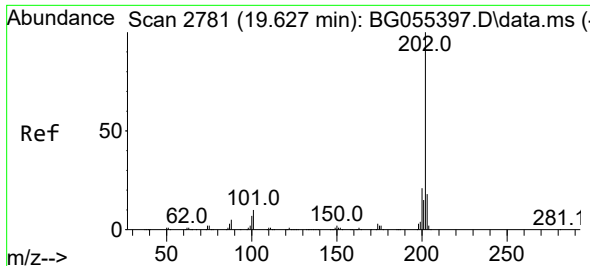
Tgt Ion:178 Resp: 59189
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.5 13.0 19.6



#73
 Carbazole
 Concen: 2.525 ng
 RT: 17.859 min Scan# 2514
 Delta R.T. -0.006 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

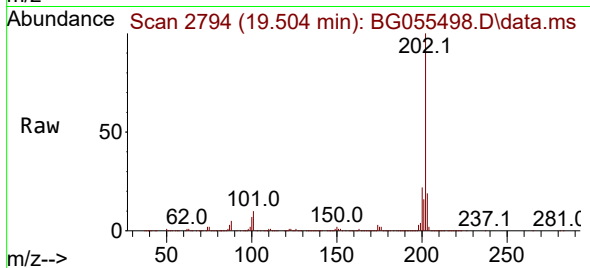
Tgt Ion:167 Resp: 29287
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.9 26.9
 139 12.9 10.4 15.6



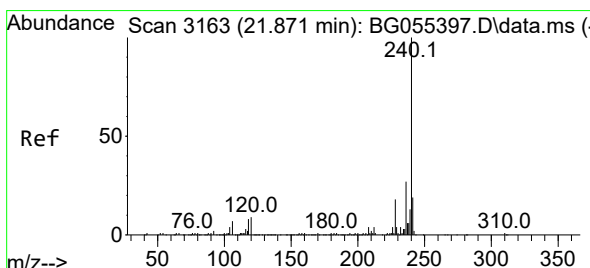
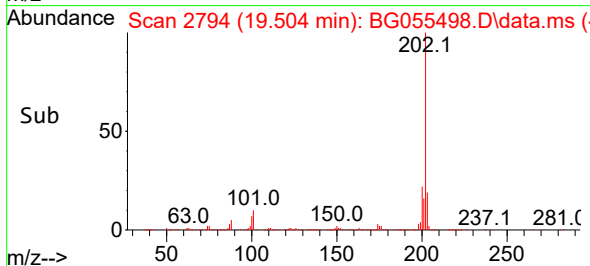
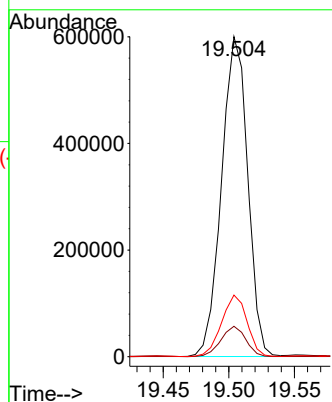


#75
Fluoranthene
Concen: 54.355 ng
RT: 19.504 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :

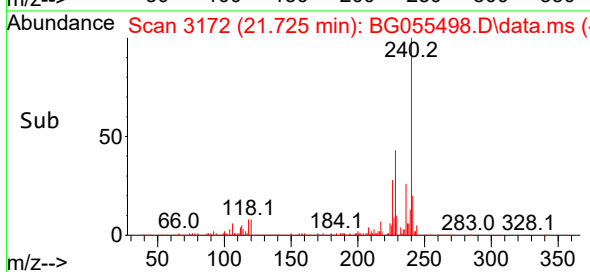
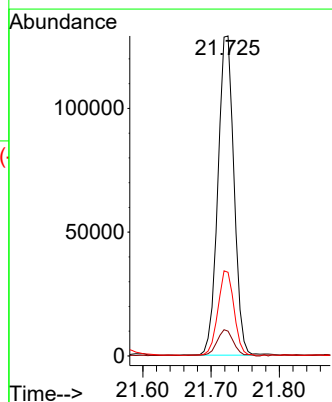
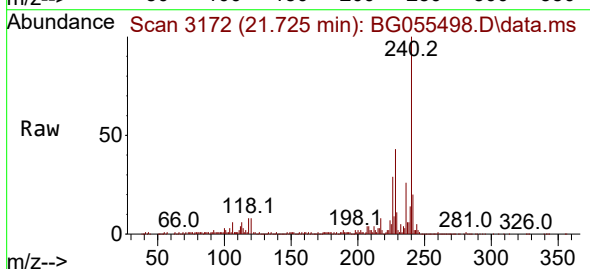


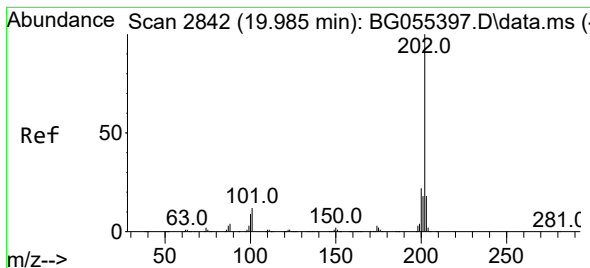
Tgt Ion:202 Resp: 831585
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.8
203 19.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.725 min Scan# 3172
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:240 Resp: 211841
Ion Ratio Lower Upper
240 100
120 7.8 6.9 10.3
236 26.2 21.5 32.3





#78

Pyrene

Concen: 50.934 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

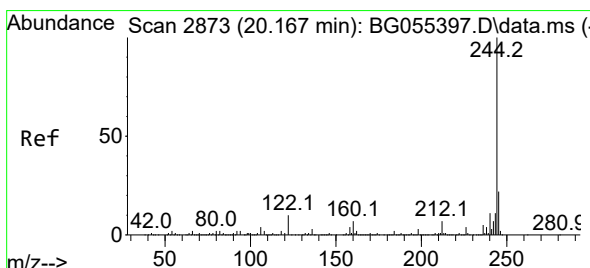
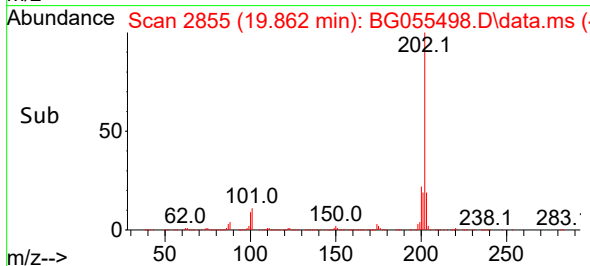
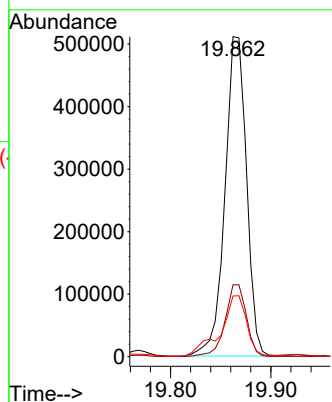
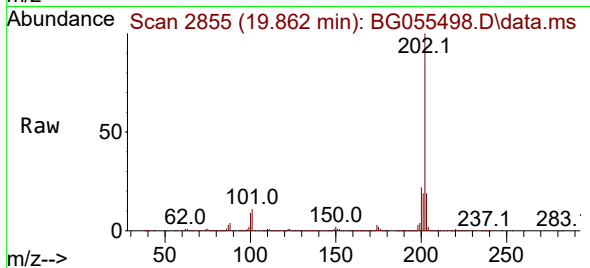
Tgt Ion:202 Resp: 761176

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

203 18.9 14.7 22.1



#79

Terphenyl-d14

Concen: 68.217 ng

RT: 20.050 min Scan# 2887

Delta R.T. -0.001 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

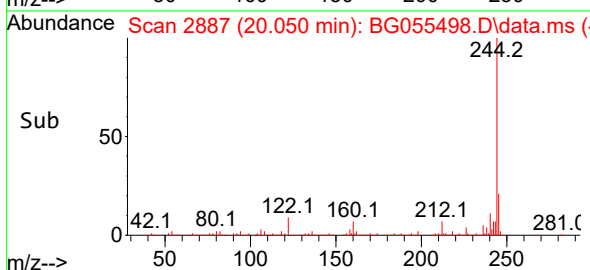
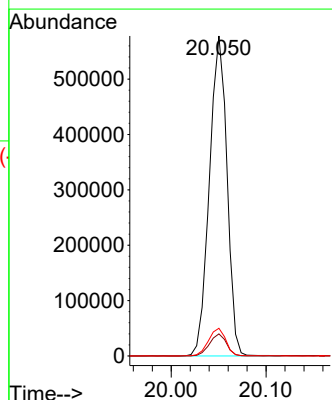
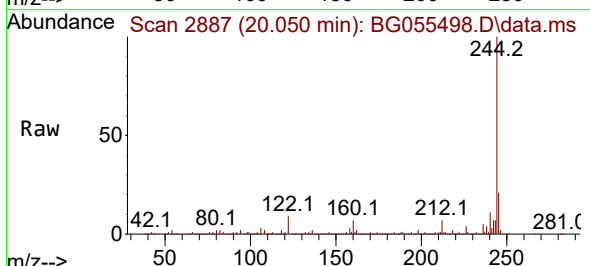
Tgt Ion:244 Resp: 743167

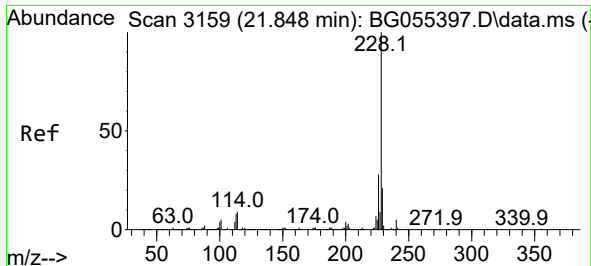
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 8.7 7.8 11.6

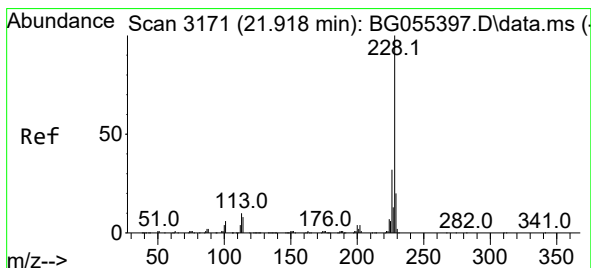
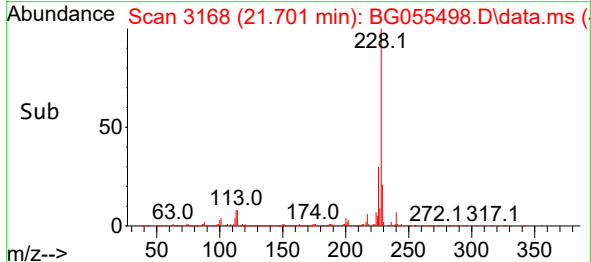
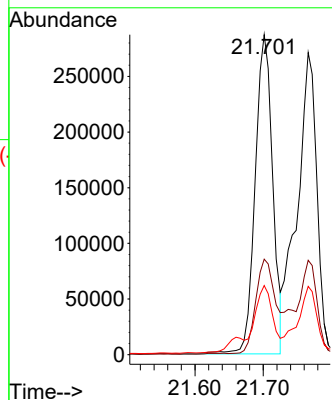
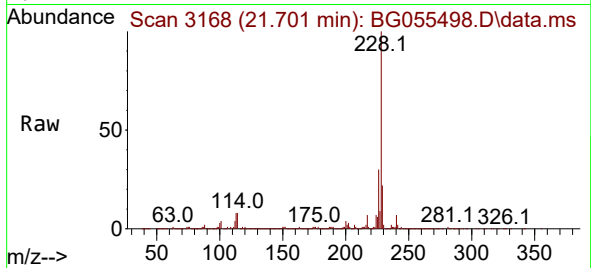




#81
Benzo(a)anthracene
Concen: 35.036 ng
RT: 21.701 min Scan# 3159
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

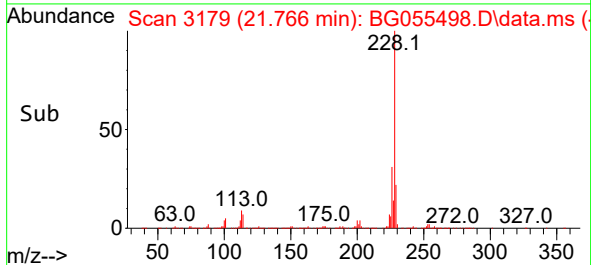
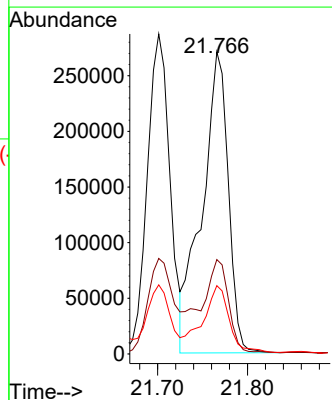
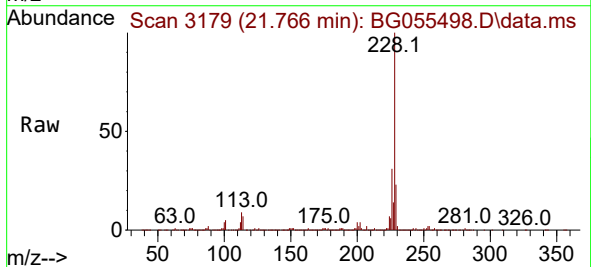
Instrument :
BNA_G
ClientSampleId :

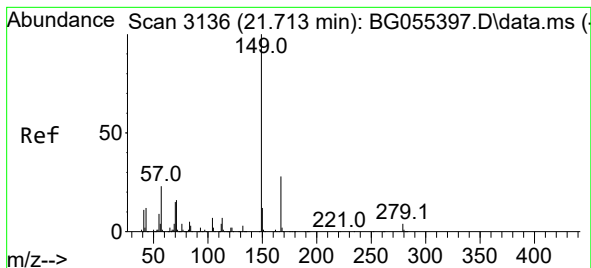
Tgt Ion:228 Resp: 509494
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 21.6 16.5 24.7



#83
Chrysene
Concen: 39.648 ng
RT: 21.766 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:228 Resp: 550065
Ion Ratio Lower Upper
228 100
226 31.2 25.2 37.8
229 22.6 16.2 24.2

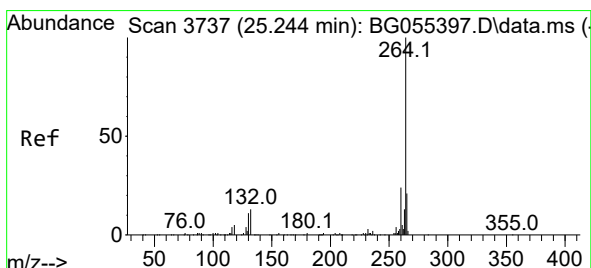
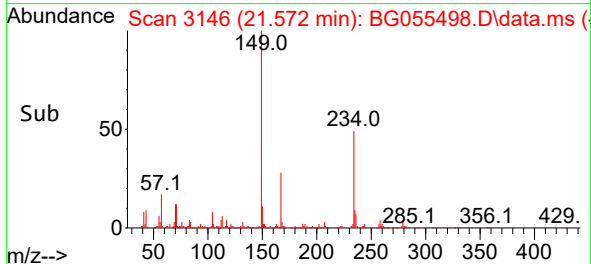
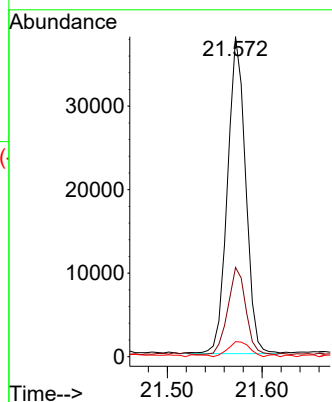
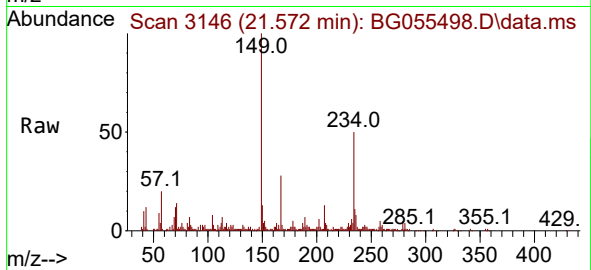




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.570 ng
 RT: 21.572 min Scan# 3136
 Delta R.T. -0.006 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

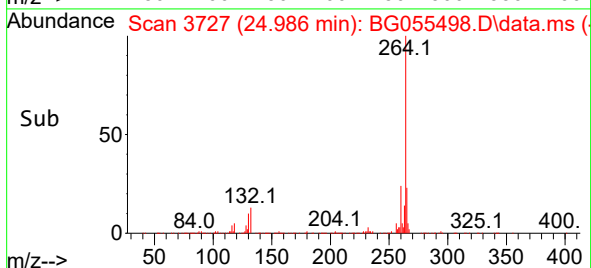
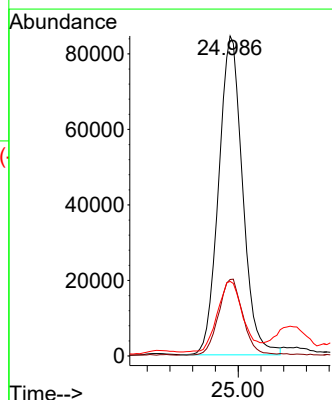
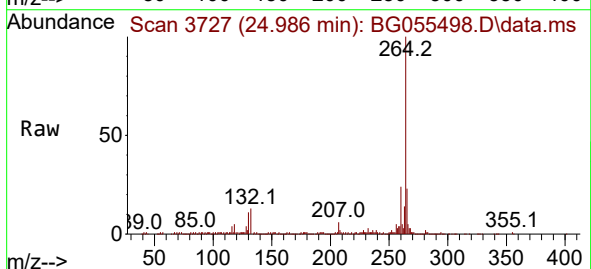
Instrument :
 BNA_G
 ClientSampleId :

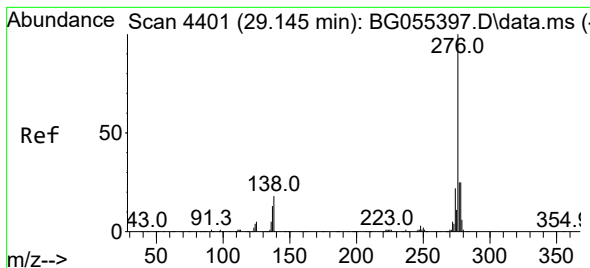
Tgt Ion:149 Resp: 50445
 Ion Ratio Lower Upper
 149 100
 167 27.9 22.0 33.0
 279 4.7 3.4 5.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.986 min Scan# 3727
 Delta R.T. -0.001 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

Tgt Ion:264 Resp: 246972
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 23.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.245 ng

RT: 28.746 min Scan# 41

Delta R.T. -0.001 min

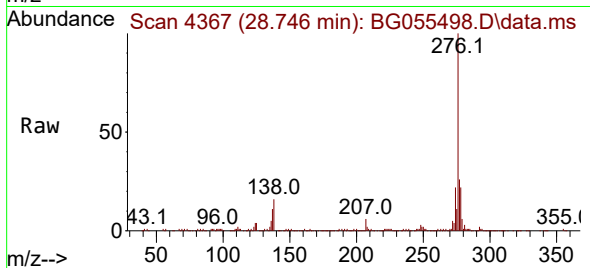
Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :



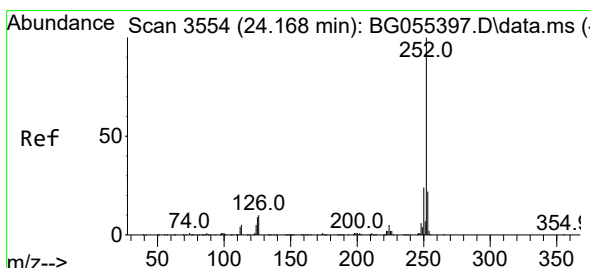
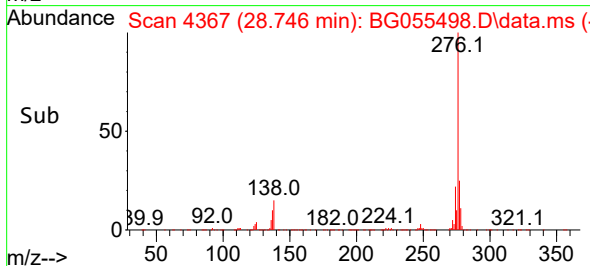
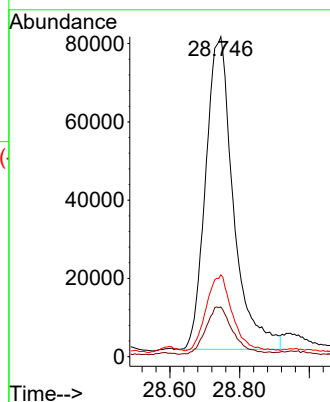
Tgt Ion:276 Resp: 441095

Ion Ratio Lower Upper

276 100

138 14.8 16.2 24.2#

277 22.8 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 62.083 ng

RT: 23.957 min Scan# 3552

Delta R.T. 0.011 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

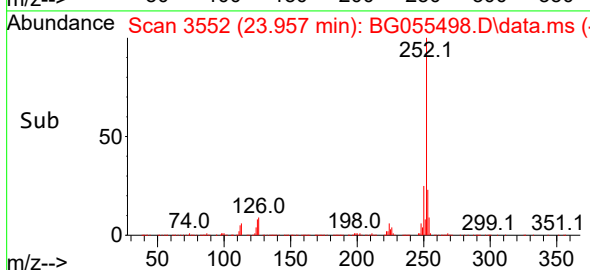
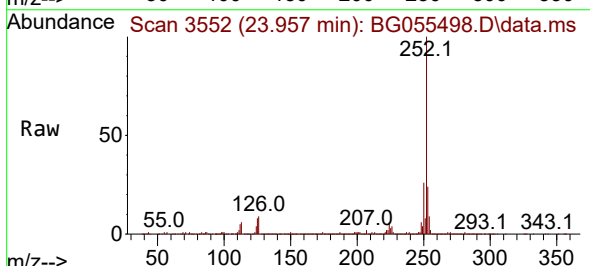
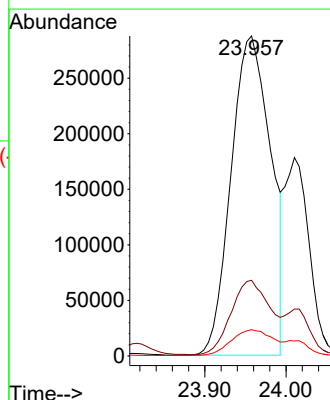
Tgt Ion:252 Resp: 973940

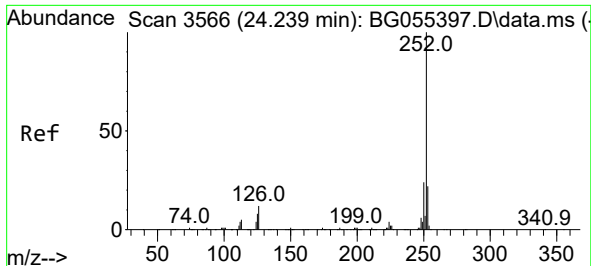
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 8.2 6.8 10.2





#89

Benzo(k)fluoranthene

Concen: 61.779 ng

RT: 23.957 min Scan# 3

Delta R.T. -0.059 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

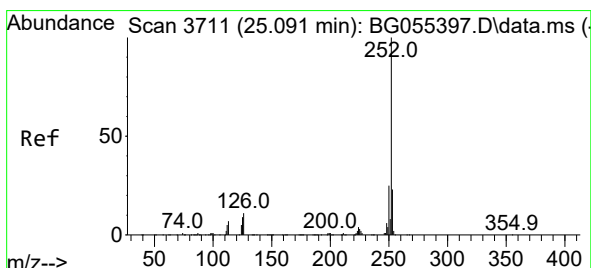
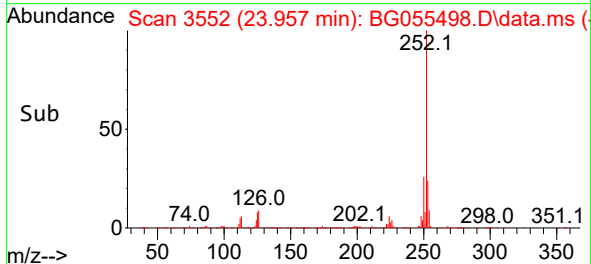
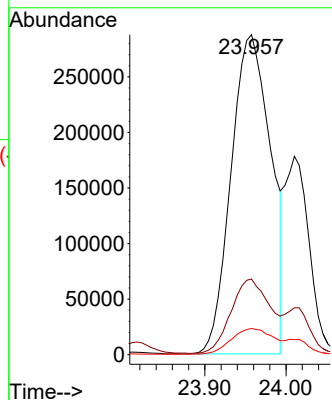
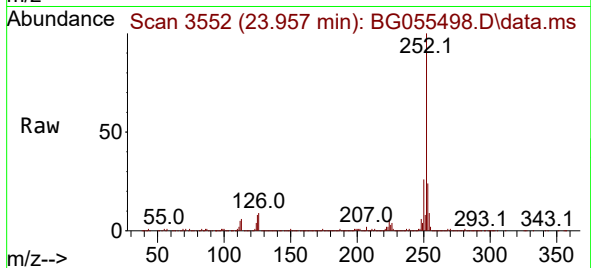
Tgt Ion:252 Resp: 973940

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 8.2 6.9 10.3



#90

Benzo(a)pyrene

Concen: 46.549 ng

RT: 24.839 min Scan# 3702

Delta R.T. -0.001 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

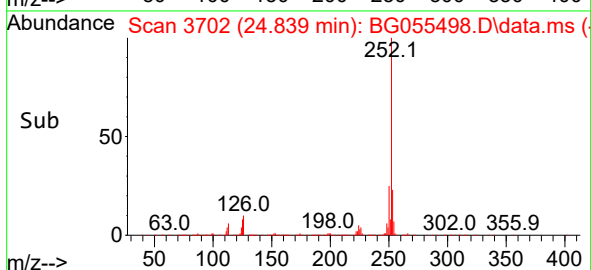
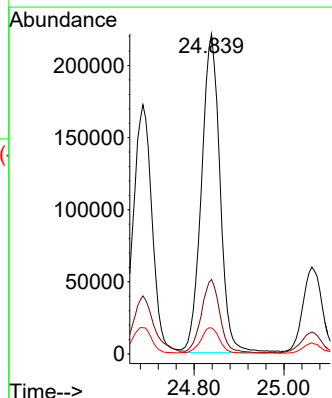
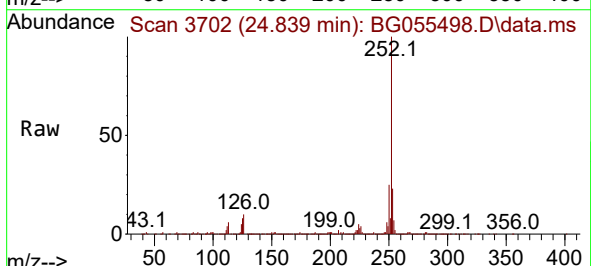
Tgt Ion:252 Resp: 631417

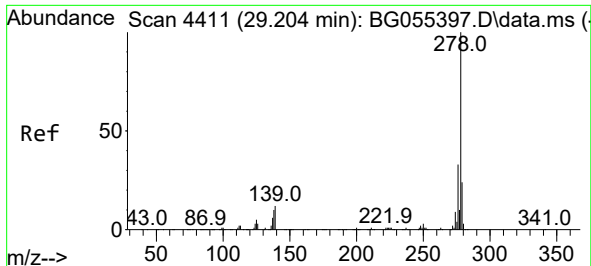
Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 8.1 7.1 10.7

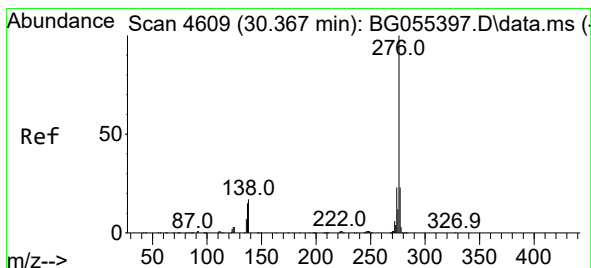
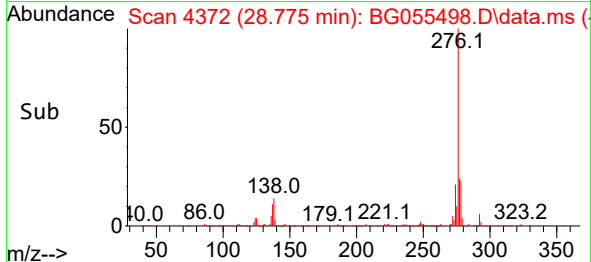
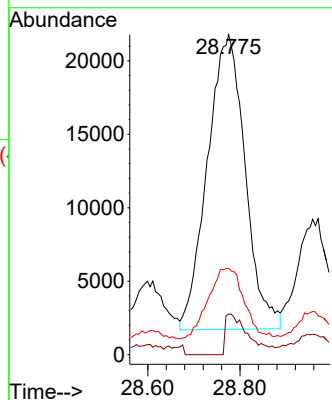
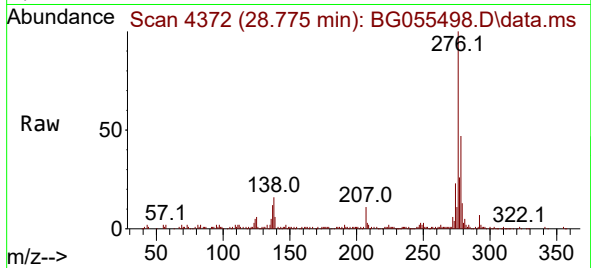




#91
Dibenzo(a,h)anthracene
Concen: 6.971 ng
RT: 28.775 min Scan# 41
Delta R.T. -0.024 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:278 Resp: 114034
Ion Ratio Lower Upper
278 100
139 12.7 9.9 14.9
279 27.0 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 24.661 ng
RT: 29.915 min Scan# 4566
Delta R.T. -0.012 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:276 Resp: 401247
Ion Ratio Lower Upper
276 100
277 25.1 18.6 28.0
138 15.5 13.4 20.0

