

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055988.D
 Acq On : 15 Dec 2022 22:37
 Operator : CG/JU
 Sample : N6037-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)

Quant Time: Dec 16 04:08:10 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)

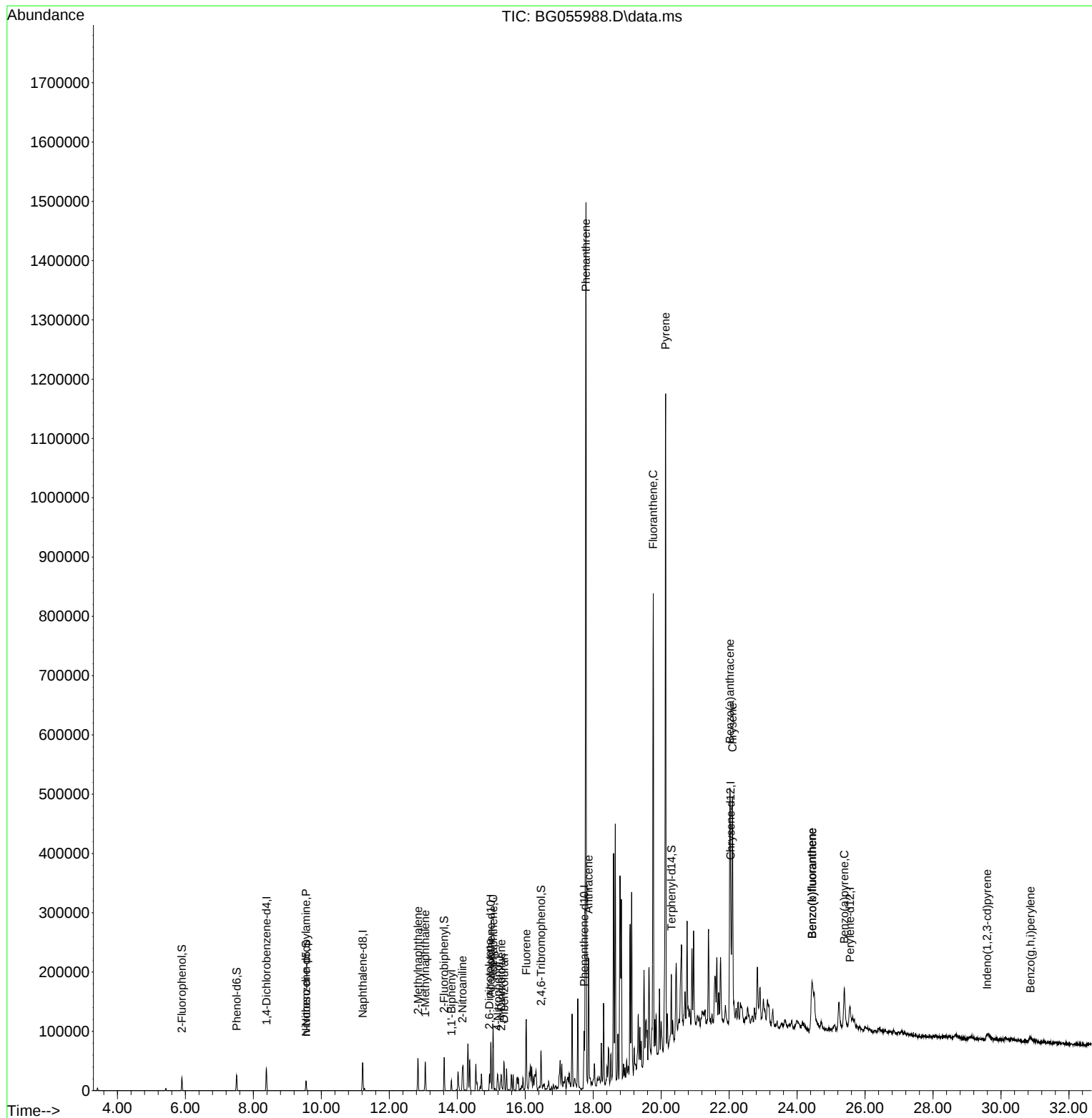
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.387	152	11695	20.000	ng	0.01
21) Naphthalene-d8	11.219	136	43375	20.000	ng	# 0.01
39) Acenaphthene-d10	14.991	164	33468	20.000	ng	0.01
64) Phenanthrene-d10	17.735	188	75738	20.000	ng	0.02
76) Chrysene-d12	22.048	240	79195	20.000	ng	0.02
86) Perylene-d12	25.561	264	60033	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.896	112	9330	18.709	ng	0.01
7) Phenol-d6	7.506	99	13521	21.081	ng	0.01
23) Nitrobenzene-d5	9.550	82	9176	14.784	ng	0.00
42) 2,4,6-Tribromophenol	16.466	330	11663	14.452	ng	0.01
45) 2-Fluorobiphenyl	13.616	172	31745	13.303	ng	0.00
79) Terphenyl-d14	20.303	244	53167	11.865	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.550	70	1496	3.254	ng	# 69
37) 2-Methylnaphthalene	12.847	142	27847	13.772	ng	99
38) 1-Methylnaphthalene	13.058	142	23947	12.157	ng	97
46) 1,1'-Biphenyl	13.828	154	9943	4.383	ng	98
48) 2-Nitroaniline	14.151	65	93	3.056	ng	# 1
51) 2,6-Dinitrotoluene	14.950	165	3224	7.200	ng	# 48
52) Acenaphthene	15.056	154	39580	20.038	ng	95
55) Dibenzofuran	15.385	168	16239	4.889	ng	# 94
56) 4-Nitrophenol	15.191	139	1601	4.387	ng	# 1
57) 2,4-Dinitrotoluene	15.297	165	2059	3.046	ng	# 54
58) Fluorene	16.031	166	55849	20.569	ng	96
71) Phenanthrene	17.788	178	1109406	279.513	ng	98
72) Anthracene	17.864	178	158971	40.485	ng	99
75) Fluoranthene	19.768	202	550565	99.060	ng	98
78) Pyrene	20.132	202	829505	173.097	ng	99
81) Benzo(a)anthracene	22.024	228	341770	61.328	ng	99
83) Chrysene	22.100	228	343226	65.716	ng	98
87) Indeno(1,2,3-cd)pyrene	29.592	276	12480	2.585	ng	# 56
88) Benzo(b)fluoranthene	24.445	252	139522	35.911	ng	# 94
89) Benzo(k)fluoranthene	24.445	252	139522	35.993	ng	96
90) Benzo(a)pyrene	25.391	252	120785	36.778	ng	97
92) Benzo(g,h,i)perylene	30.872	276	22847	5.848	ng	# 84

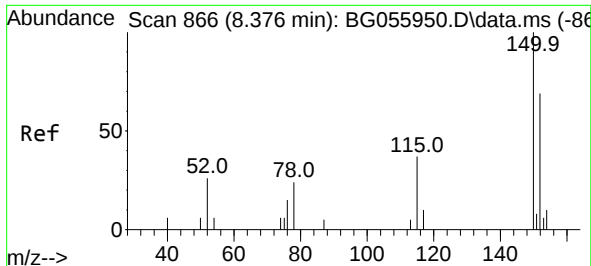
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 14 02:24:06 2022
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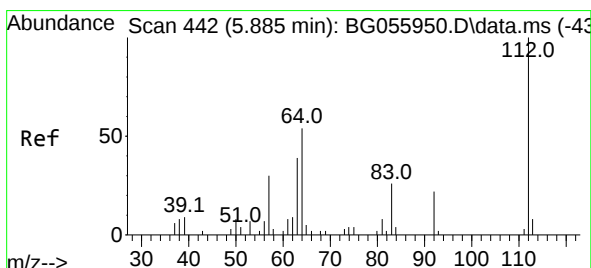
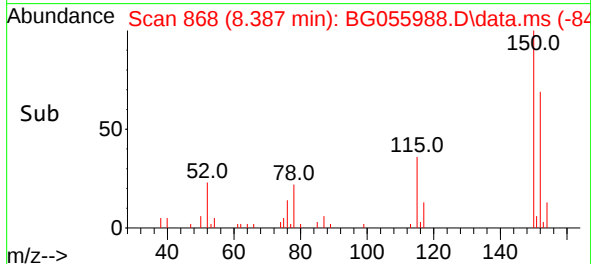
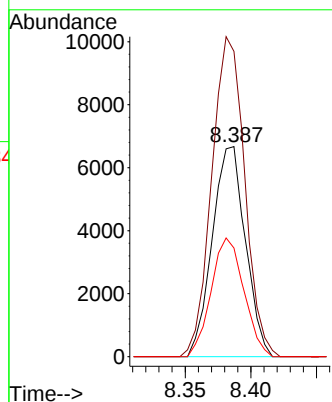
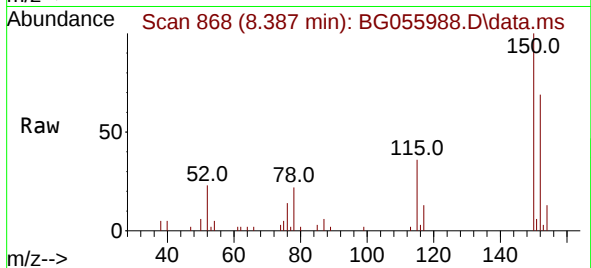




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.387 min Scan# 866
Delta R.T. 0.011 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

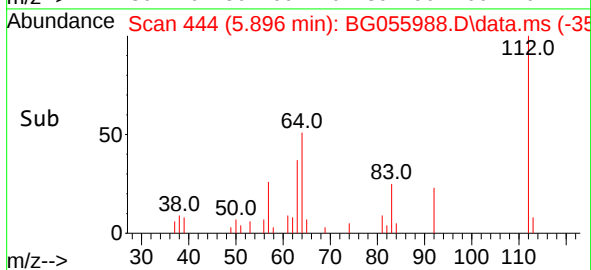
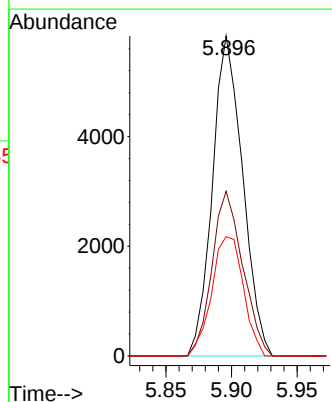
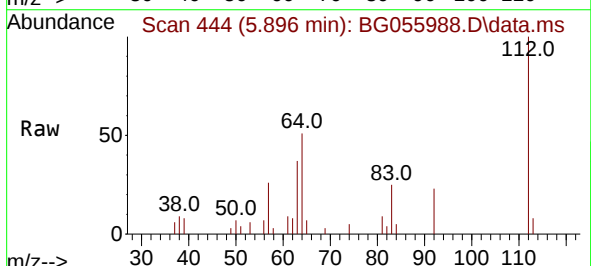
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

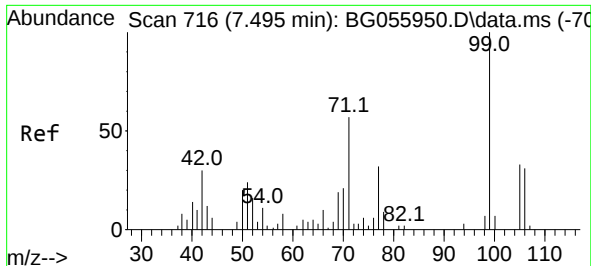
Tgt Ion:152 Resp: 11695
Ion Ratio Lower Upper
152 100
150 145.4 115.7 173.5
115 51.7 43.0 64.4



#5
2-Fluorophenol
Concen: 18.709 ng
RT: 5.896 min Scan# 444
Delta R.T. 0.011 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:112 Resp: 9330
Ion Ratio Lower Upper
112 100
64 51.5 43.0 64.4
63 37.3 31.4 47.2

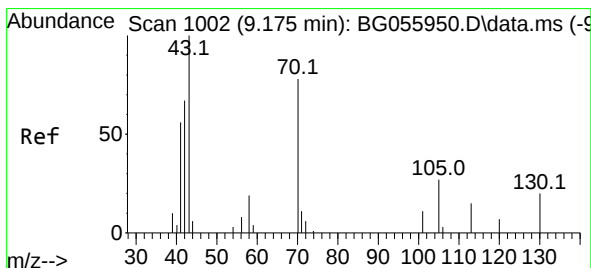
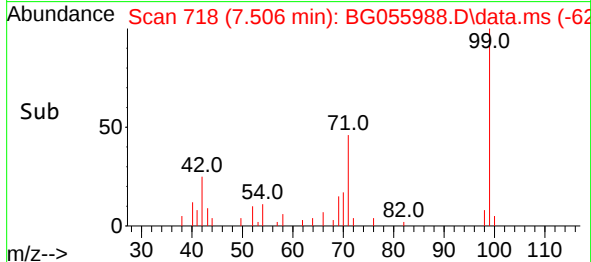
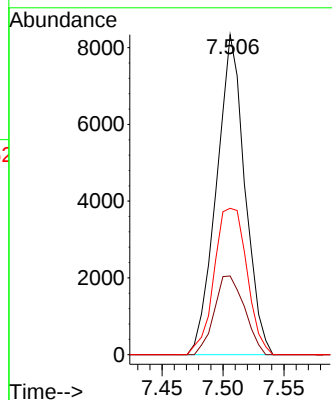
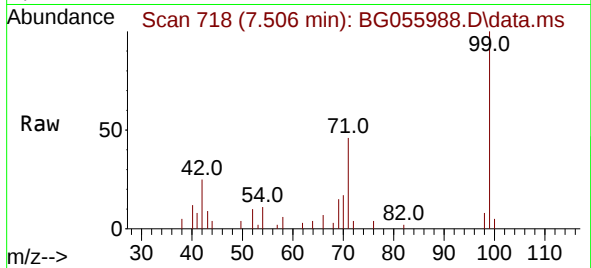




#7
Phenol-d6
Concen: 21.081 ng
RT: 7.506 min Scan# 716
Delta R.T. 0.011 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

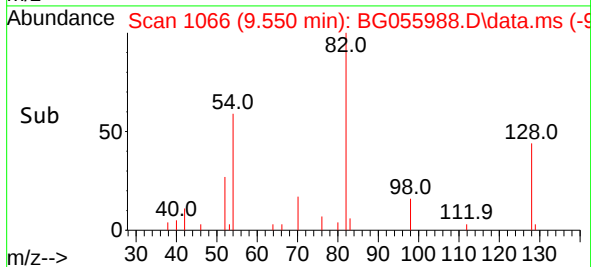
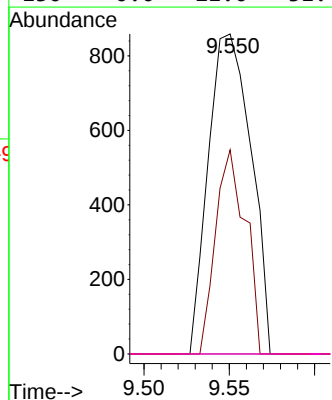
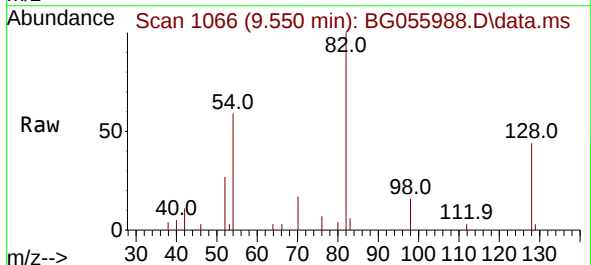
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

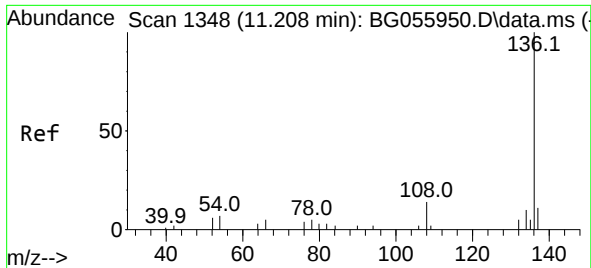
Tgt Ion: 99 Resp: 13521
Ion Ratio Lower Upper
99 100
42 24.6 24.3 36.5
71 45.8 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.254 ng
RT: 9.550 min Scan# 1066
Delta R.T. 0.375 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion: 70 Resp: 1496
Ion Ratio Lower Upper
70 100
42 63.8 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

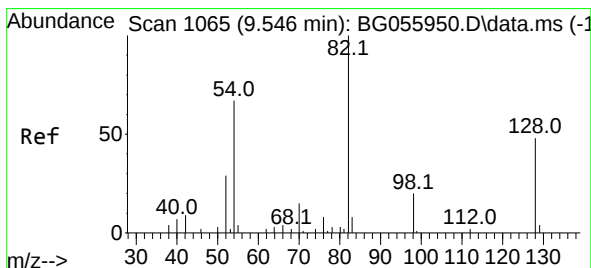
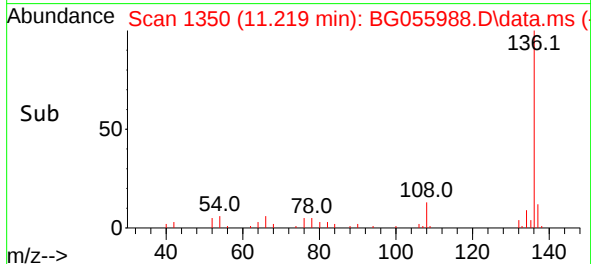
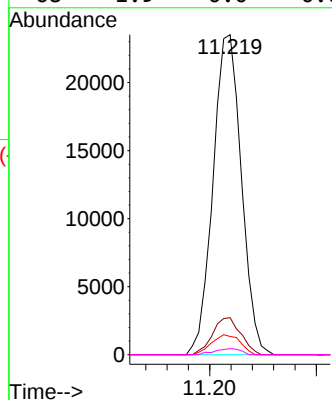
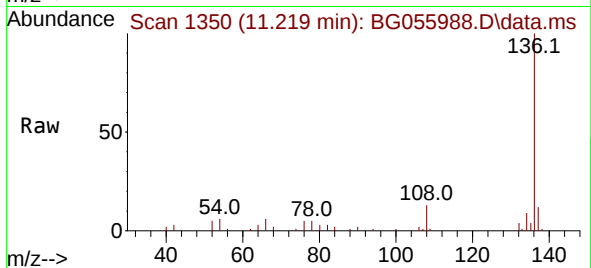




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.219 min Scan# 11
Delta R.T. 0.011 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

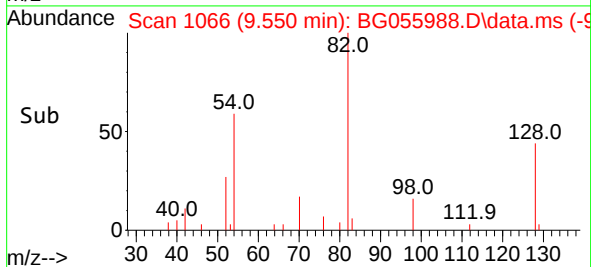
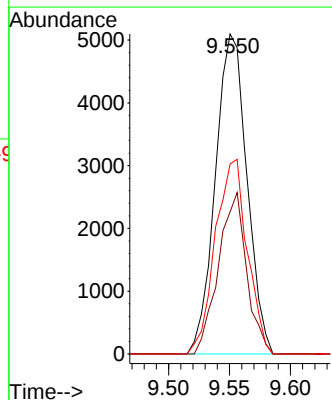
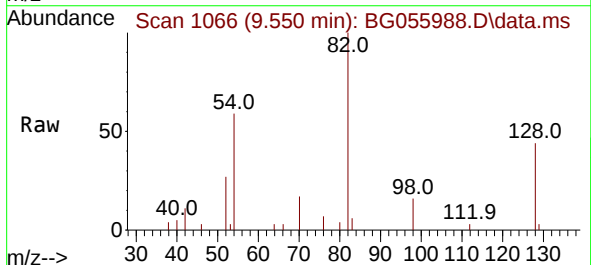
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

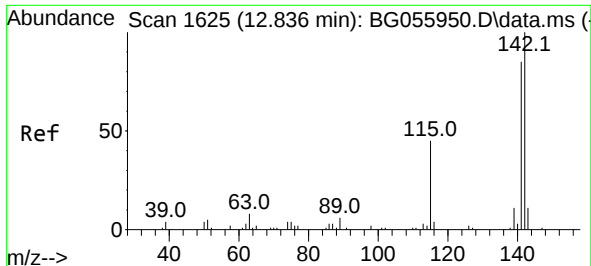
Tgt Ion:	136	Resp:	43375
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.7	5.6	8.4
68	1.9	0.0	0.0



#23
Nitrobenzene-d5
Concen: 14.784 ng
RT: 9.550 min Scan# 1066
Delta R.T. 0.005 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:	82	Resp:	9176
Ion	Ratio	Lower	Upper
82	100		
128	44.4	38.4	57.6
54	59.4	53.3	79.9

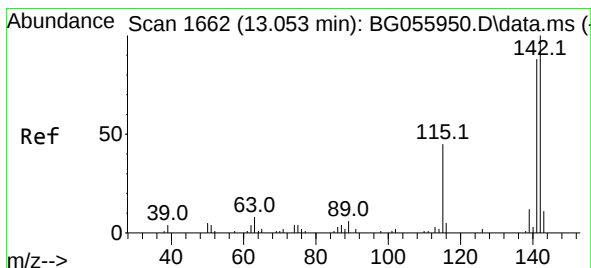
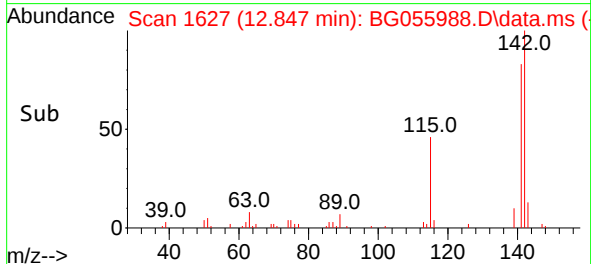
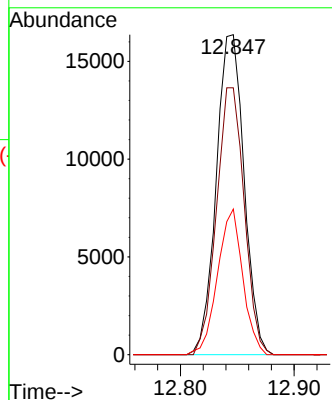
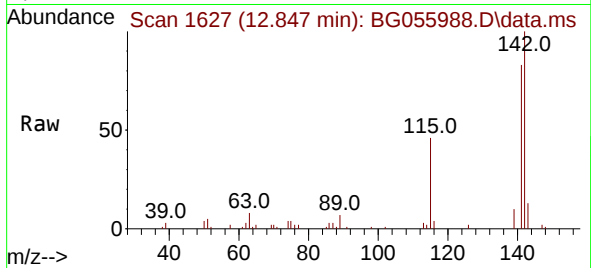




#37
2-Methylnaphthalene
Concen: 13.772 ng
RT: 12.847 min Scan# 1
Delta R.T. 0.011 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

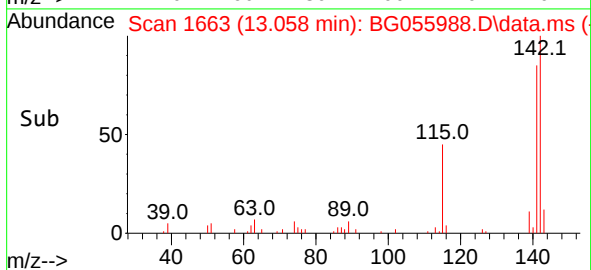
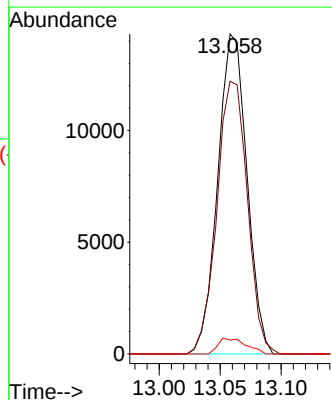
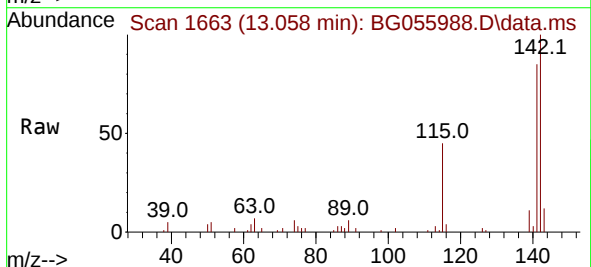
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

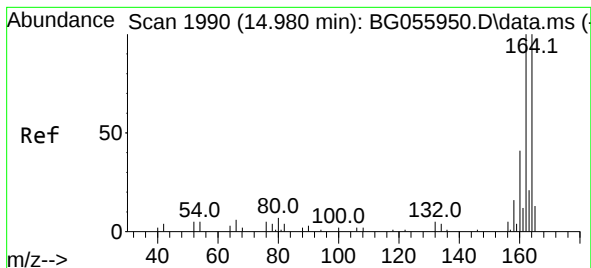
Tgt Ion:142 Resp: 27847
Ion Ratio Lower Upper
142 100
141 83.4 67.8 101.6
115 45.5 35.7 53.5



#38
1-Methylnaphthalene
Concen: 12.157 ng
RT: 13.058 min Scan# 1663
Delta R.T. 0.005 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:142 Resp: 23947
Ion Ratio Lower Upper
142 100
141 85.2 70.2 105.2
116 4.4 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.991 min Scan# 1992

Delta R.T. 0.011 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)

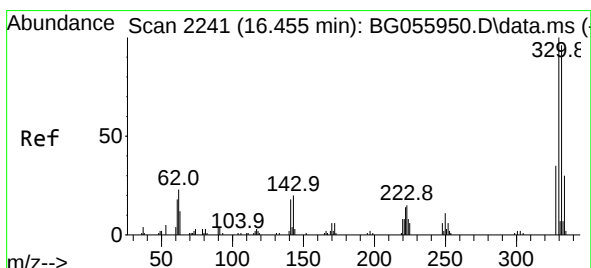
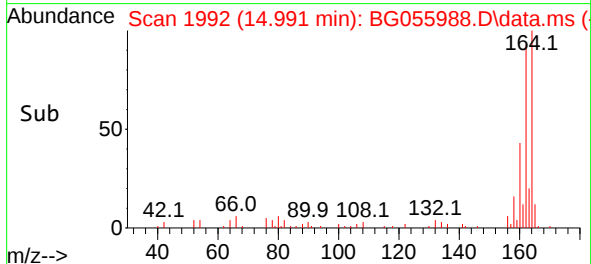
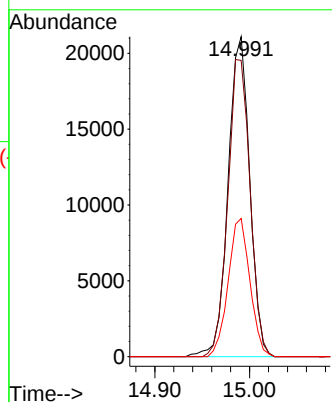
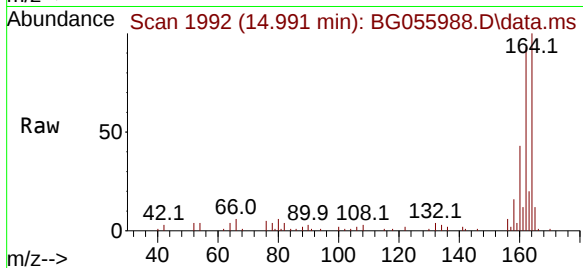
Tgt Ion:164 Resp: 33468

Ion Ratio Lower Upper

164 100

162 92.6 79.8 119.8

160 43.2 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 14.452 ng

RT: 16.466 min Scan# 2243

Delta R.T. 0.011 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

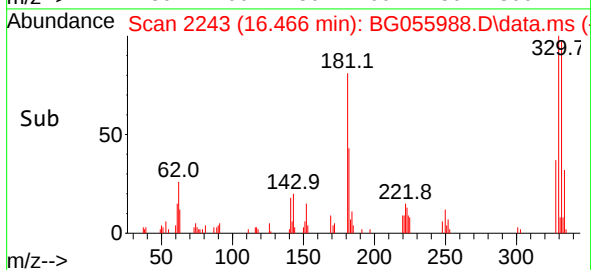
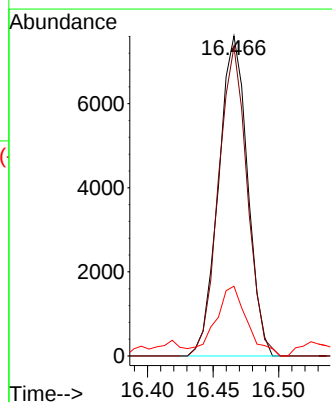
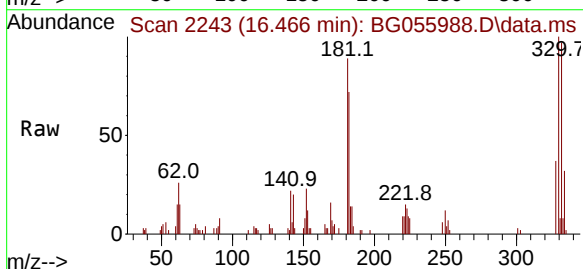
Tgt Ion:330 Resp: 11663

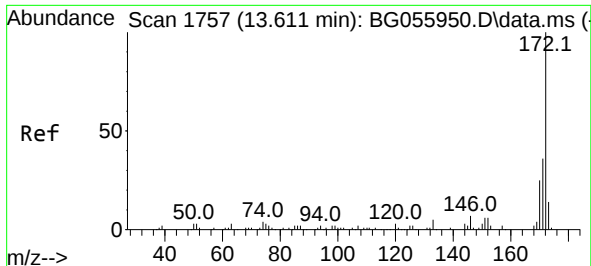
Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

141 23.8 15.0 22.4#

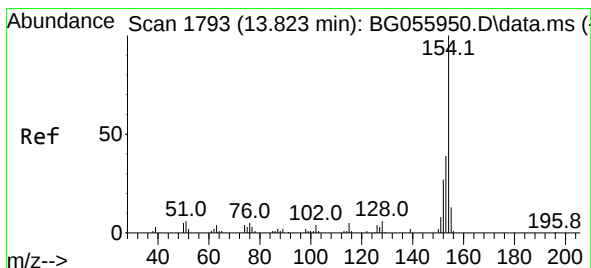
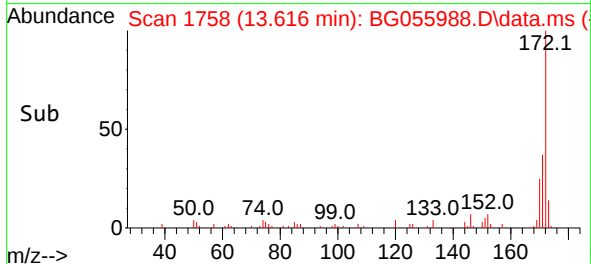
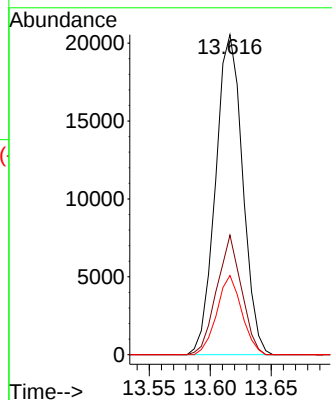
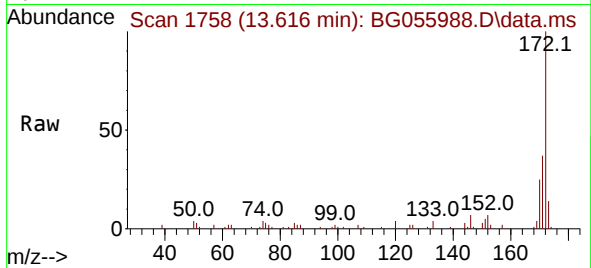




#45
2-Fluorobiphenyl
Concen: 13.303 ng
RT: 13.616 min Scan# 1757
Delta R.T. 0.005 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

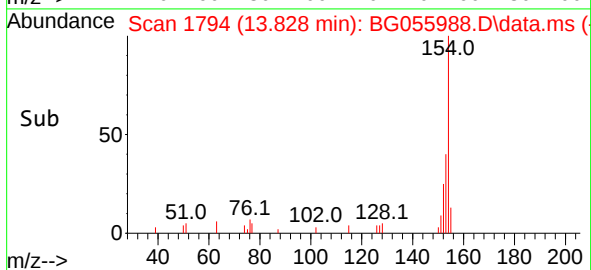
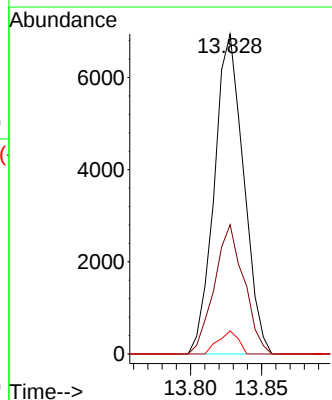
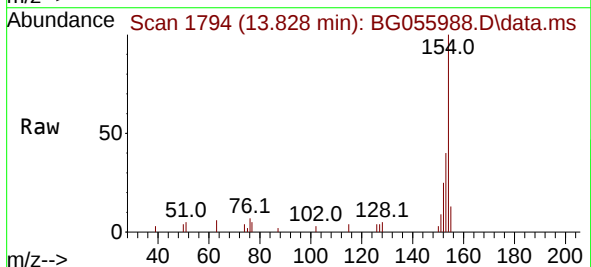
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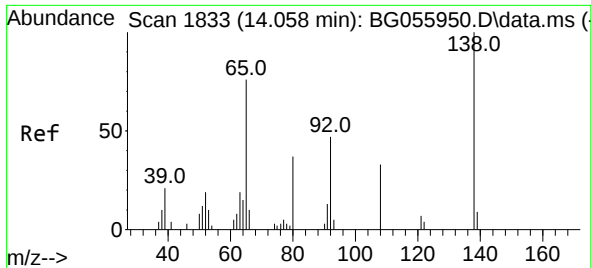
Tgt Ion:172 Resp: 31745
Ion Ratio Lower Upper
172 100
171 37.3 28.6 42.8
170 24.7 19.9 29.9



#46
1,1'-Biphenyl
Concen: 4.383 ng
RT: 13.828 min Scan# 1794
Delta R.T. 0.005 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:154 Resp: 9943
Ion Ratio Lower Upper
154 100
153 40.4 19.5 59.5
76 7.2 0.0 25.5

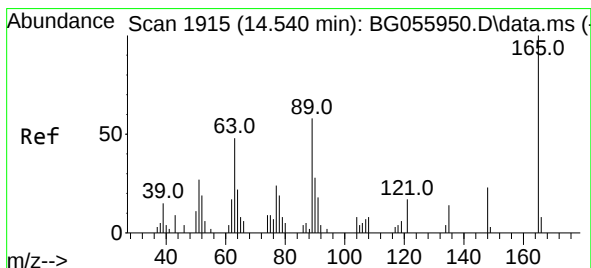
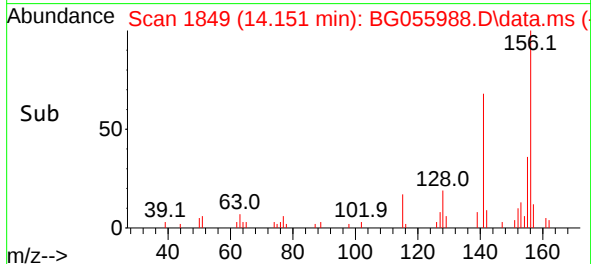
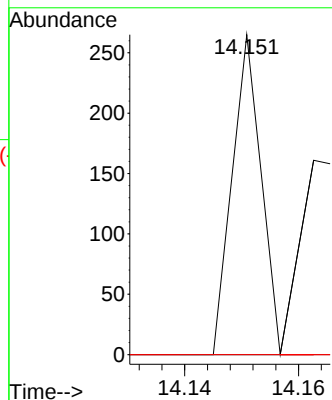
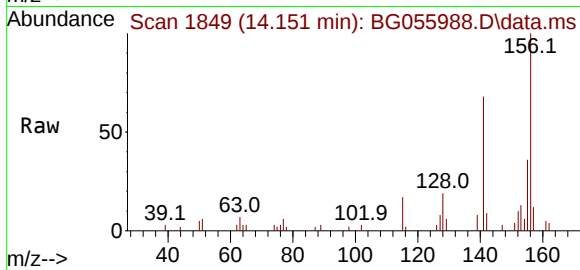




#48
2-Nitroaniline
Concen: 3.056 ng
RT: 14.151 min Scan# 1849
Delta R.T. 0.093 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

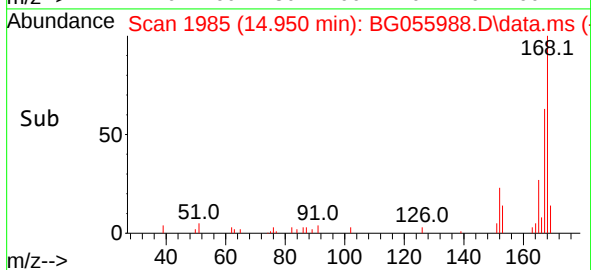
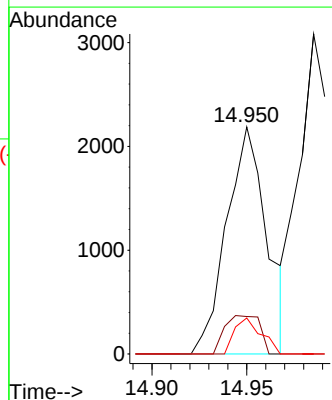
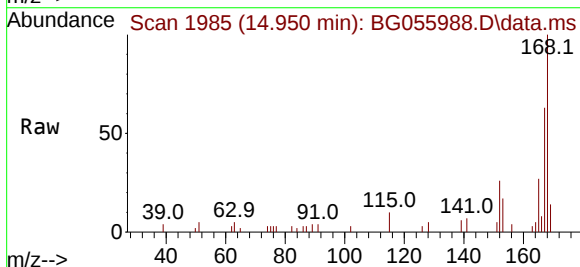
Instrument :
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ClientSampleId :
RB-17-(1-3)

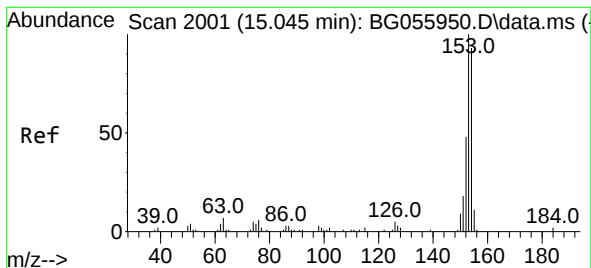
Tgt Ion: 65 Resp: 93
Ion Ratio Lower Upper
65 100
92 0.0 49.7 74.5#
138 0.0 105.0 157.6#



#51
2,6-Dinitrotoluene
Concen: 7.200 ng
RT: 14.950 min Scan# 1985
Delta R.T. 0.410 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:165 Resp: 3224
Ion Ratio Lower Upper
165 100
63 16.5 38.3 57.5#
89 15.9 46.3 69.5#





#52

Acenaphthene

Concen: 20.038 ng

RT: 15.056 min Scan# 2001

Delta R.T. 0.011 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)

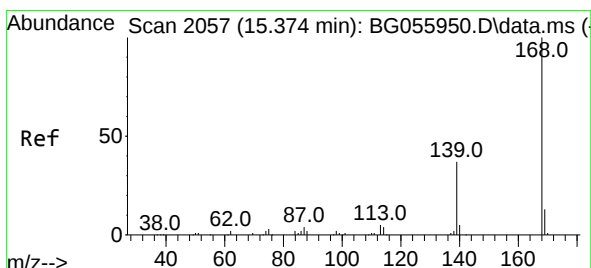
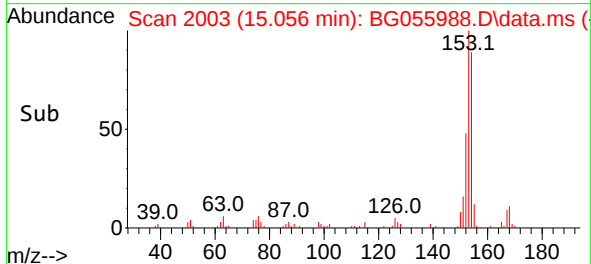
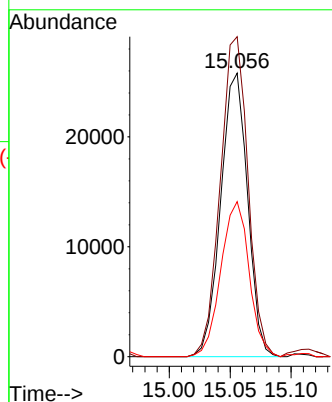
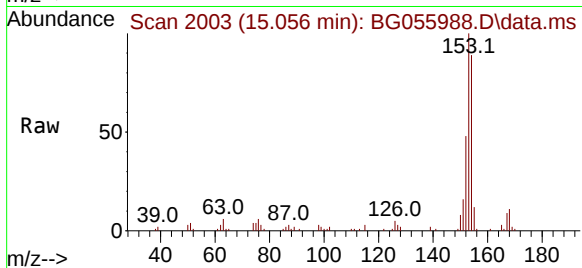
Tgt Ion:154 Resp: 39580

Ion Ratio Lower Upper

154 100

153 112.9 86.2 129.2

152 54.7 41.4 62.0



#55

Dibenzofuran

Concen: 4.889 ng

RT: 15.385 min Scan# 2059

Delta R.T. 0.011 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

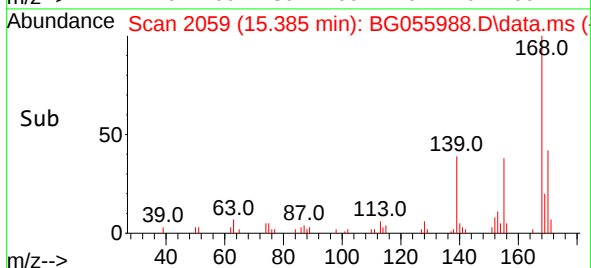
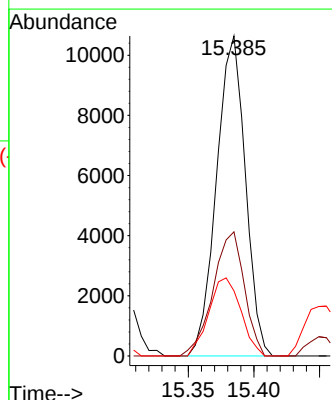
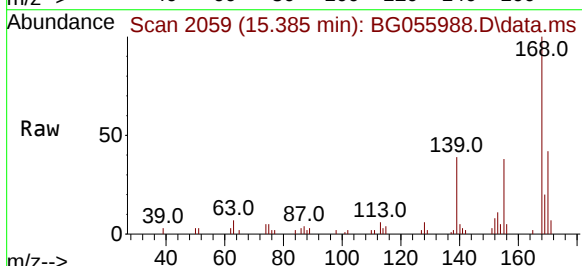
Tgt Ion:168 Resp: 16239

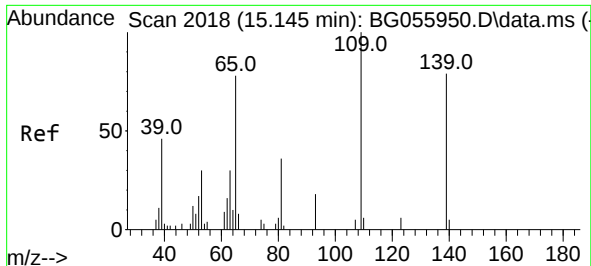
Ion Ratio Lower Upper

168 100

139 38.8 29.8 44.8

169 20.3 10.6 16.0#

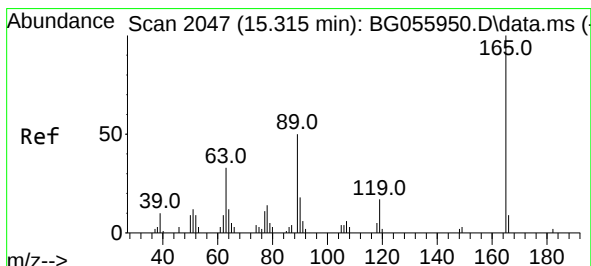
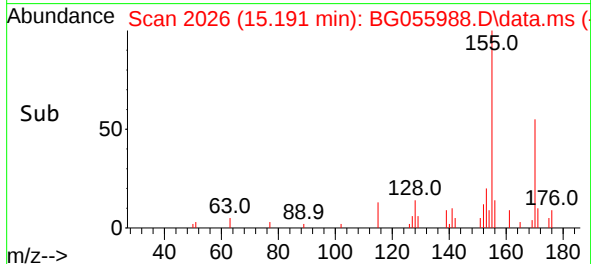
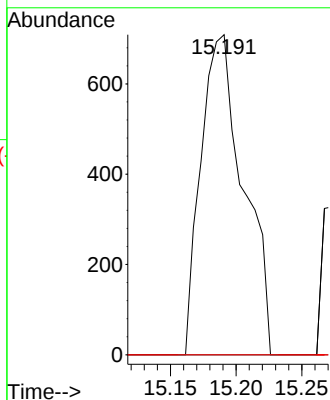
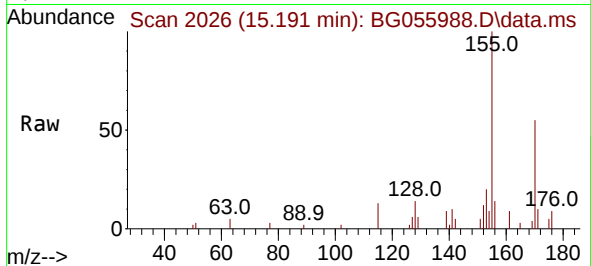




#56
4-Nitrophenol
Concen: 4.387 ng
RT: 15.191 min Scan# 2018
Delta R.T. 0.046 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

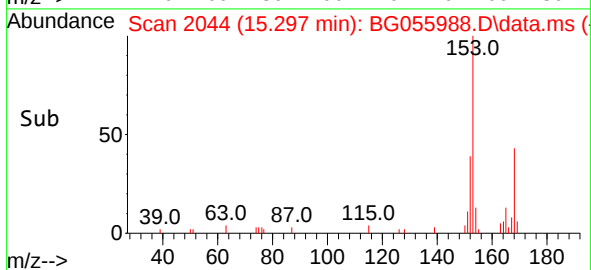
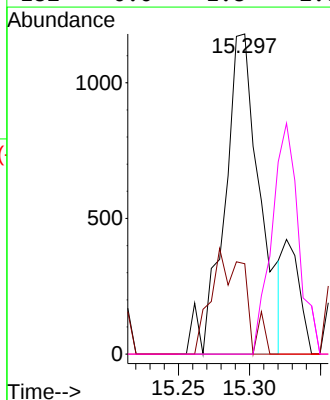
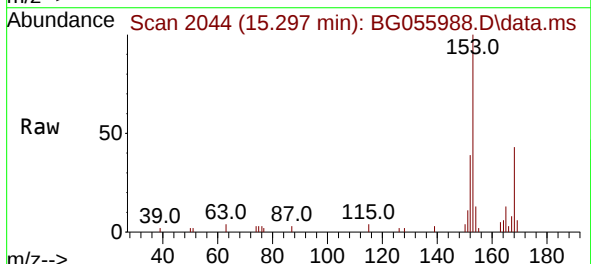
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

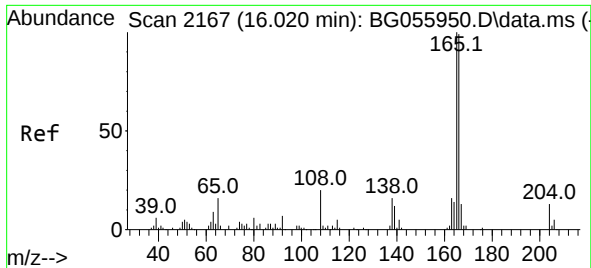
Tgt Ion:139 Resp: 1601
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#



#57
2,4-Dinitrotoluene
Concen: 3.046 ng
RT: 15.297 min Scan# 2044
Delta R.T. -0.019 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:165 Resp: 2059
Ion Ratio Lower Upper
165 100
63 28.2 26.6 39.8
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

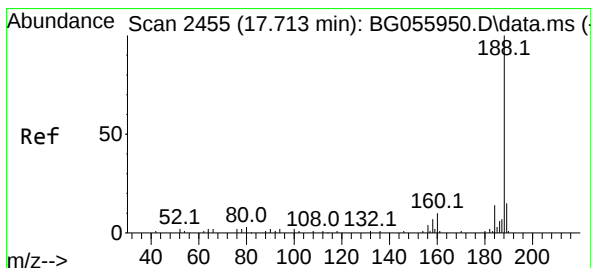
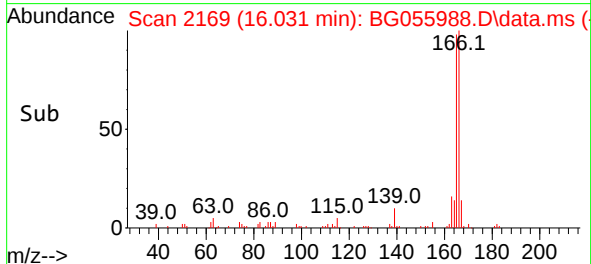
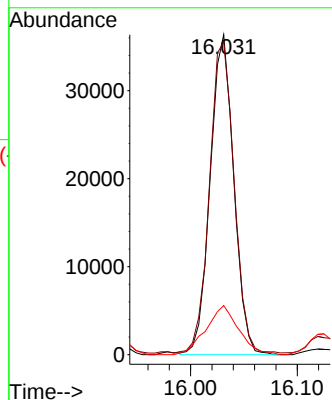
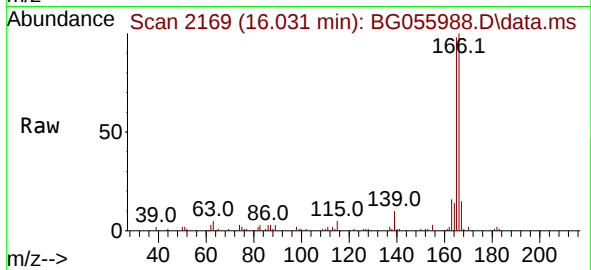




#58
 Fluorene
 Concen: 20.569 ng
 RT: 16.031 min Scan# 2169
 Delta R.T. 0.011 min
 Lab File: BG055988.D
 Acq: 15 Dec 2022 22:37

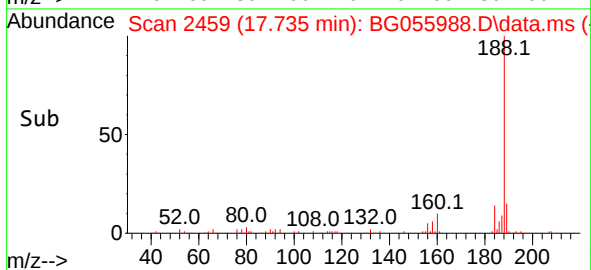
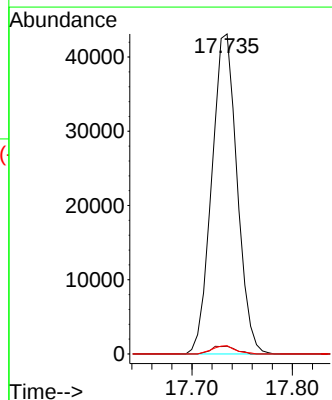
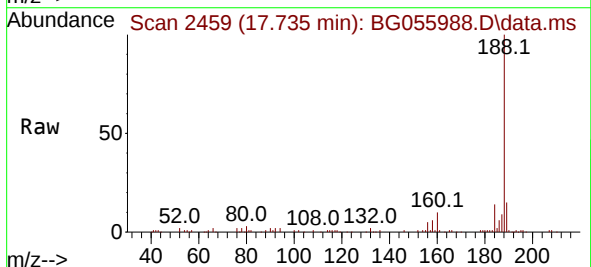
Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)

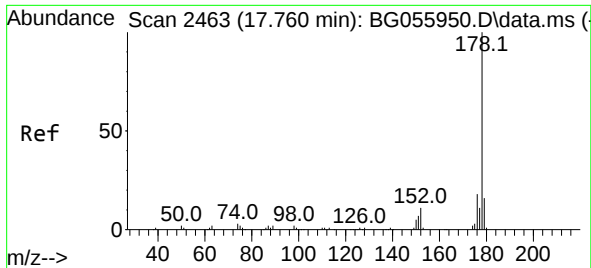
Tgt Ion:166 Resp: 55849
 Ion Ratio Lower Upper
 166 100
 165 97.8 81.1 121.7
 167 15.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.735 min Scan# 2459
 Delta R.T. 0.022 min
 Lab File: BG055988.D
 Acq: 15 Dec 2022 22:37

Tgt Ion:188 Resp: 75738
 Ion Ratio Lower Upper
 188 100
 94 2.4 1.8 2.8
 80 2.6 2.4 3.6

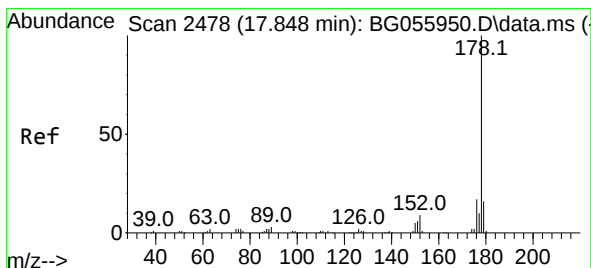
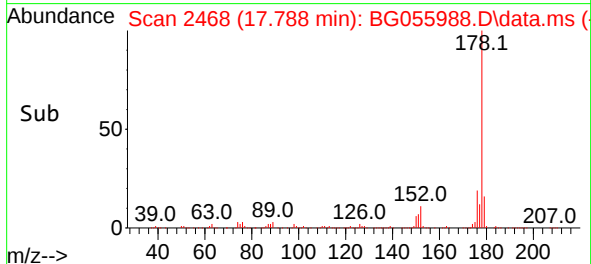
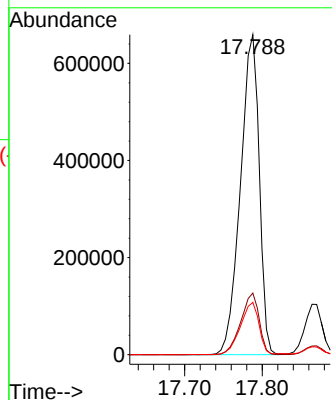
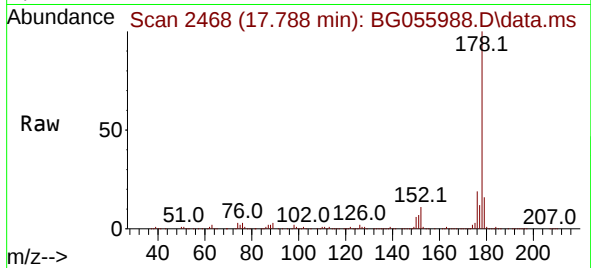




#71
Phenanthrene
Concen: 279.513 ng
RT: 17.788 min Scan# 2468
Delta R.T. 0.028 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

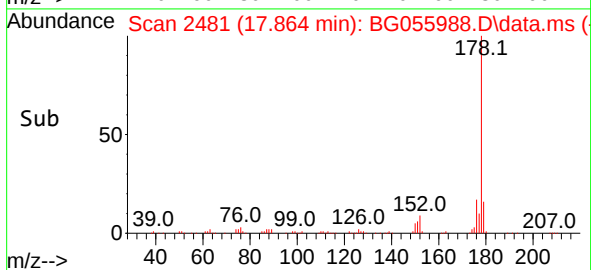
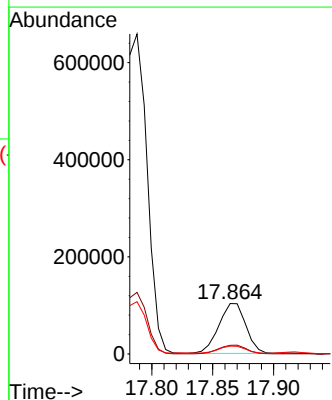
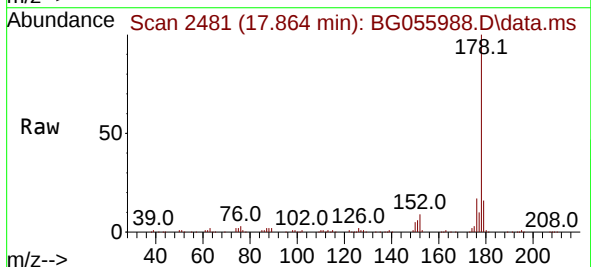
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

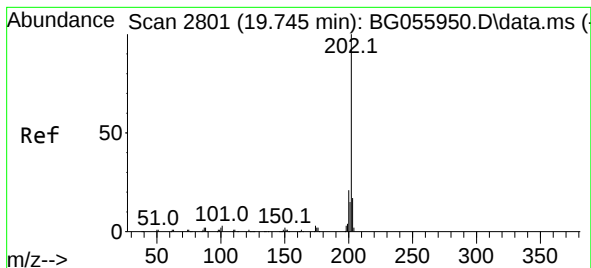
Tgt Ion:178 Resp: 1109406
Ion Ratio Lower Upper
178 100
176 19.3 14.4 21.6
179 16.3 12.7 19.1



#72
Anthracene
Concen: 40.485 ng
RT: 17.864 min Scan# 2481
Delta R.T. 0.017 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:178 Resp: 158971
Ion Ratio Lower Upper
178 100
176 17.1 13.9 20.9
179 15.7 12.7 19.1





#75

Fluoranthene

Concen: 99.060 ng

RT: 19.768 min Scan# 2805

Delta R.T. 0.022 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)

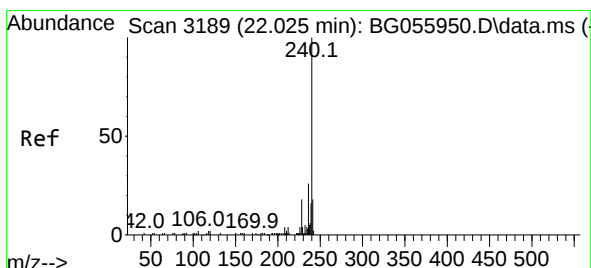
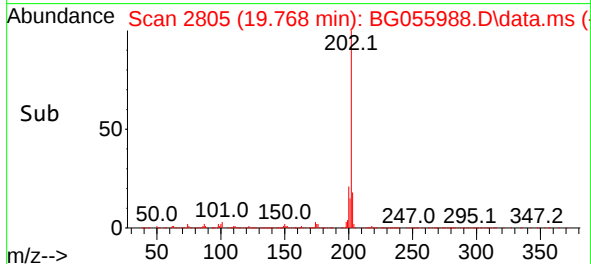
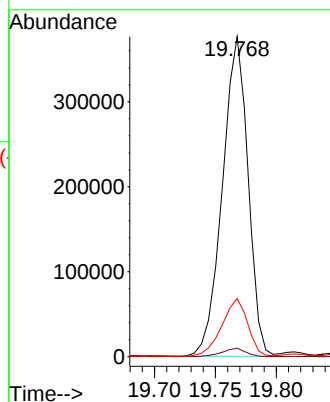
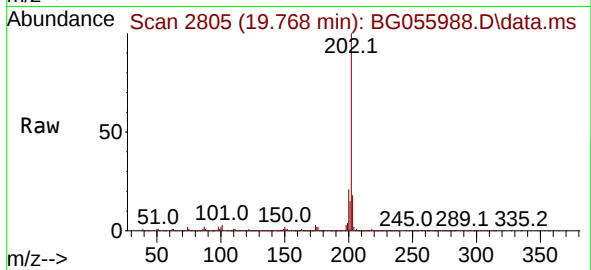
Tgt Ion:202 Resp: 550565

Ion Ratio Lower Upper

202 100

101 2.6 0.0 22.6

203 18.1 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.048 min Scan# 3193

Delta R.T. 0.022 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

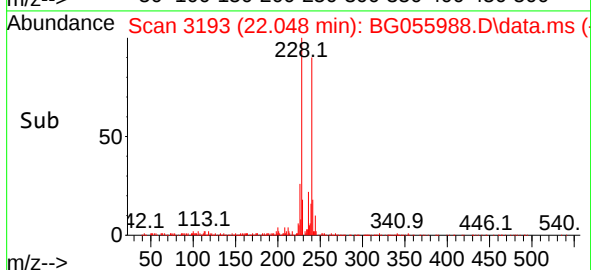
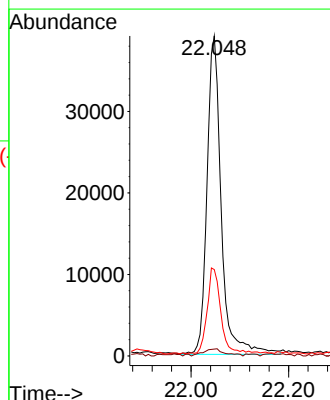
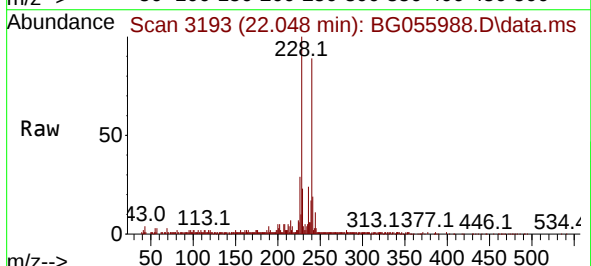
Tgt Ion:240 Resp: 79195

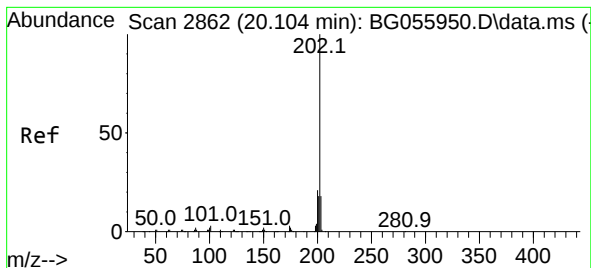
Ion Ratio Lower Upper

240 100

120 2.1 1.7 2.5

236 27.0 21.1 31.7





#78

Pyrene

Concen: 173.097 ng

RT: 20.132 min Scan# 2867

Delta R.T. 0.028 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)

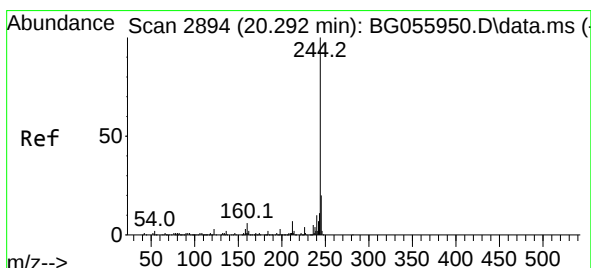
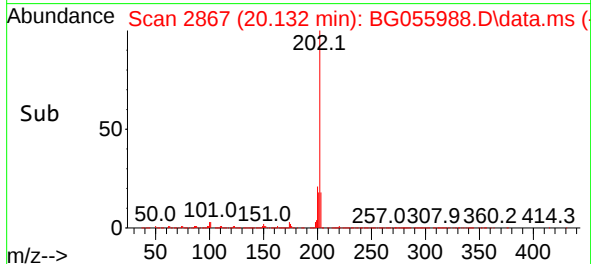
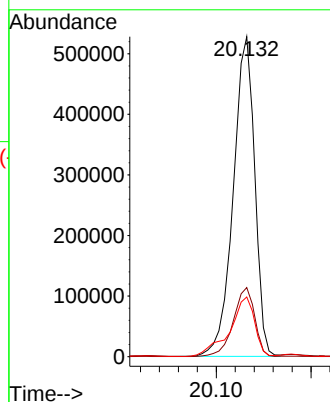
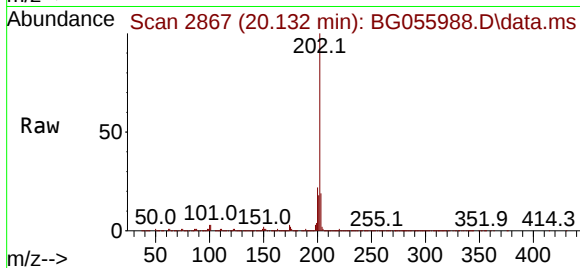
Tgt Ion:202 Resp: 829505

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 18.7 14.6 21.8



#79

Terphenyl-d14

Concen: 11.865 ng

RT: 20.303 min Scan# 2896

Delta R.T. 0.011 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

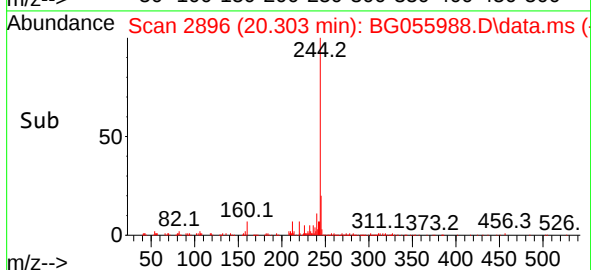
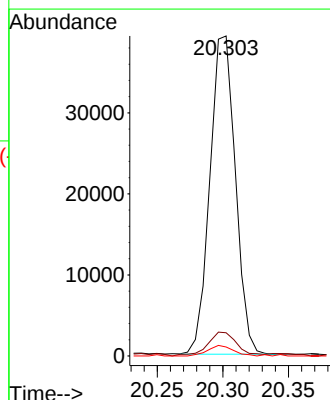
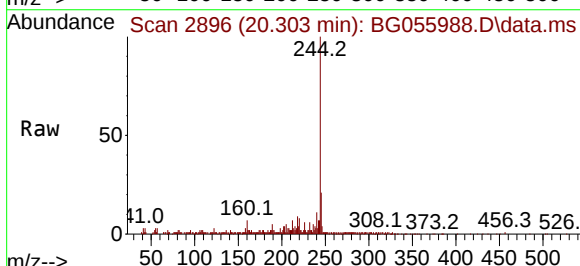
Tgt Ion:244 Resp: 53167

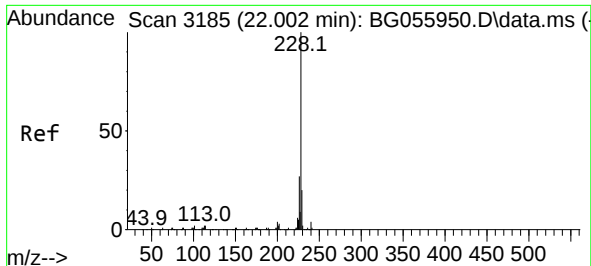
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 2.8 2.5 3.7

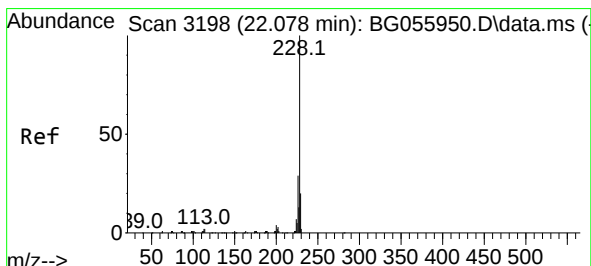
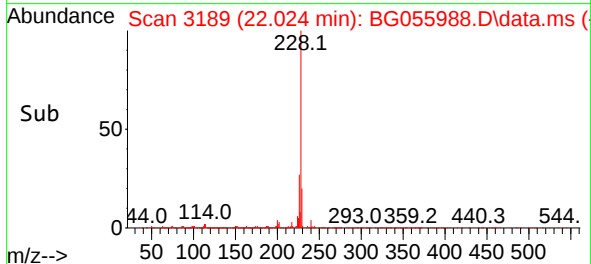
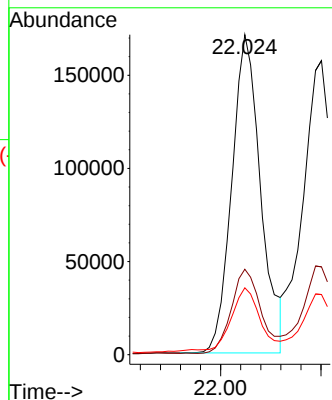
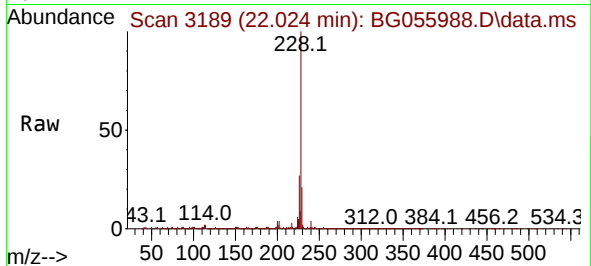




#81
Benzo(a)anthracene
Concen: 61.328 ng
RT: 22.024 min Scan# 3189
Delta R.T. 0.022 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

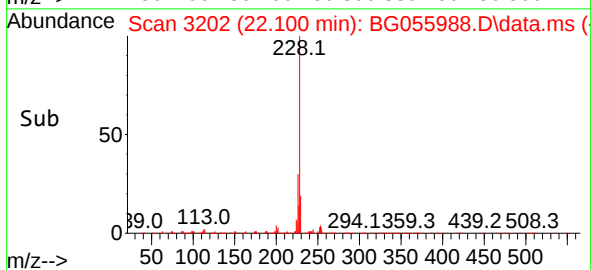
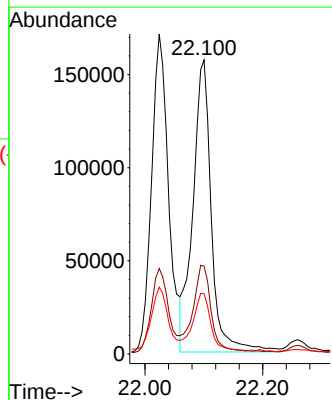
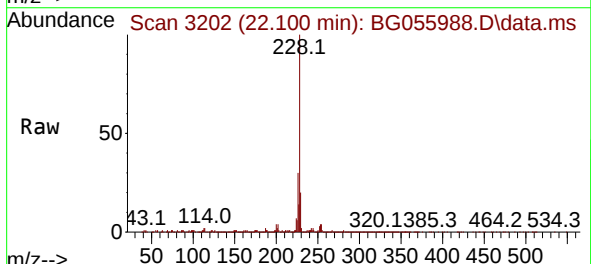
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

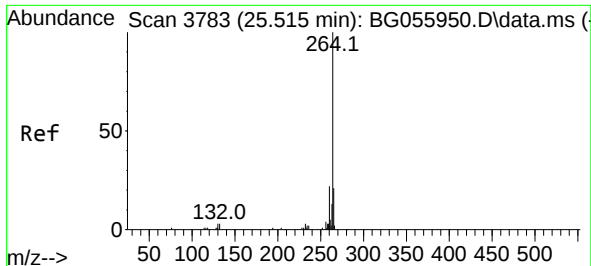
Tgt Ion:228 Resp: 341770
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 20.9 15.9 23.9



#83
Chrysene
Concen: 65.716 ng
RT: 22.100 min Scan# 3202
Delta R.T. 0.022 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:228 Resp: 343226
Ion Ratio Lower Upper
228 100
226 29.9 23.1 34.7
229 20.5 15.7 23.5

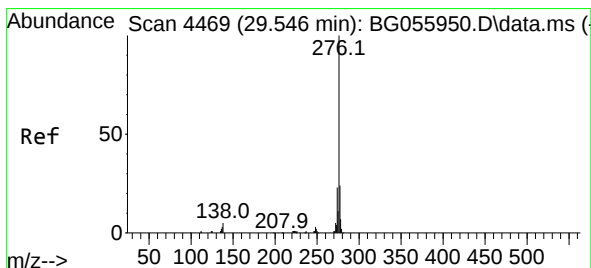
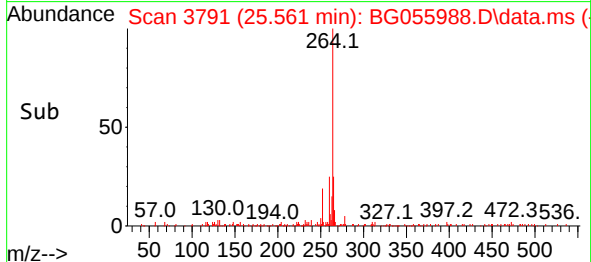
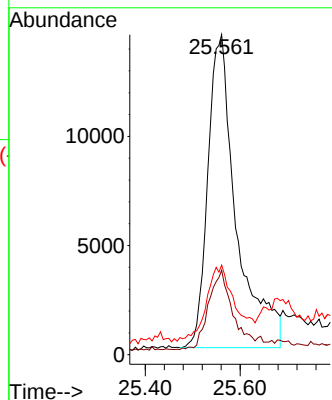
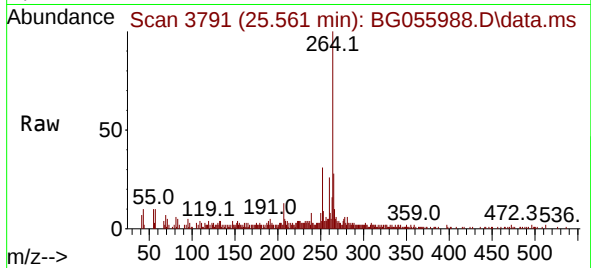




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.561 min Scan# 31
Delta R.T. 0.046 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

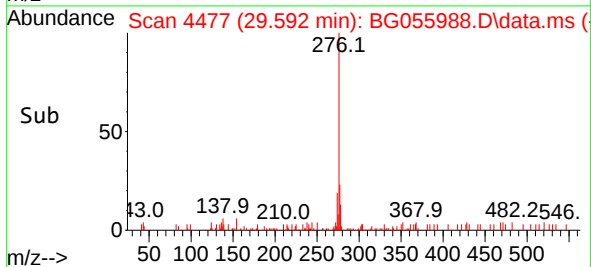
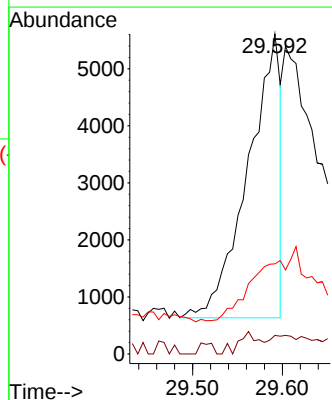
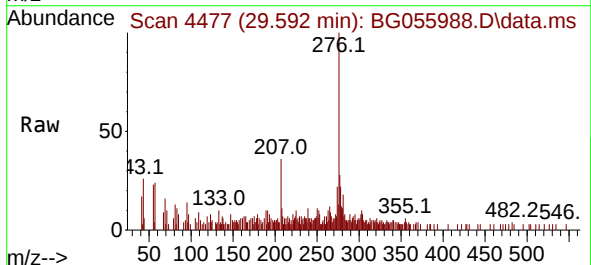
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

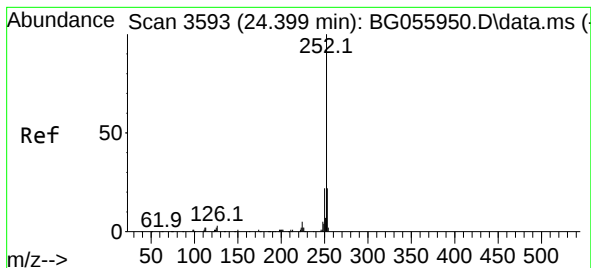
Tgt Ion:	264	Resp:	60033
Ion Ratio	Lower	Upper	
264	100		
260	26.4	17.8	26.8
265	28.0	16.6	25.0#



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.585 ng
RT: 29.592 min Scan# 4477
Delta R.T. 0.046 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:	276	Resp:	12480
Ion Ratio	Lower	Upper	
276	100		
138	2.5	3.0	4.4#
277	0.0	20.4	30.6#





#88

Benzo(b)fluoranthene

Concen: 35.911 ng

RT: 24.445 min Scan# 3601

Delta R.T. 0.046 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)

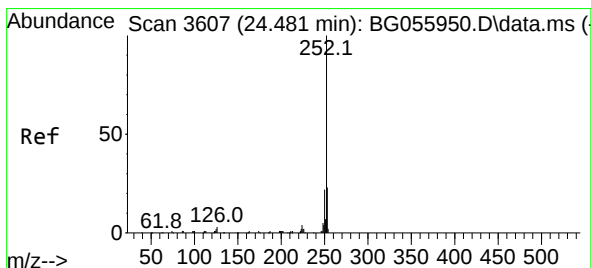
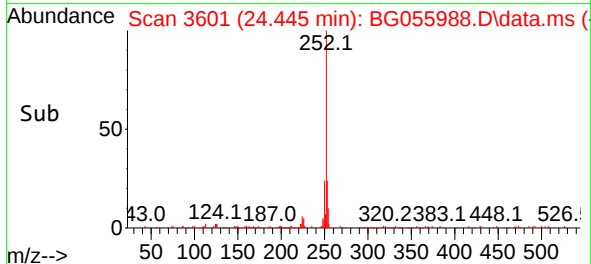
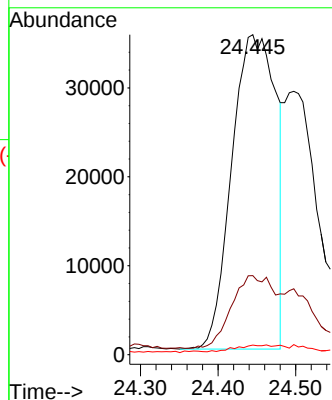
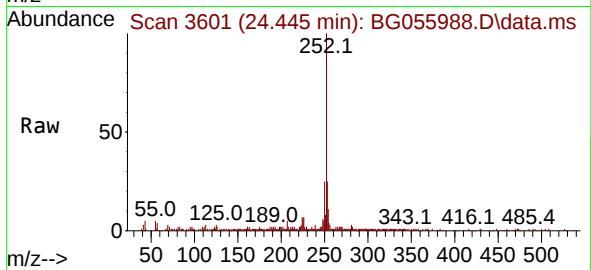
Tgt Ion:252 Resp: 139522

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

125 3.0 1.8 2.8#



#89

Benzo(k)fluoranthene

Concen: 35.993 ng

RT: 24.445 min Scan# 3601

Delta R.T. -0.036 min

Lab File: BG055988.D

Acq: 15 Dec 2022 22:37

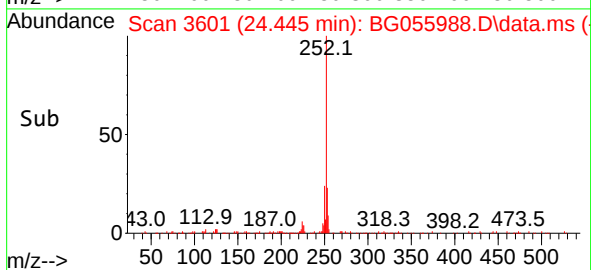
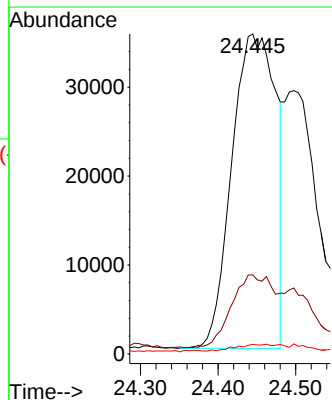
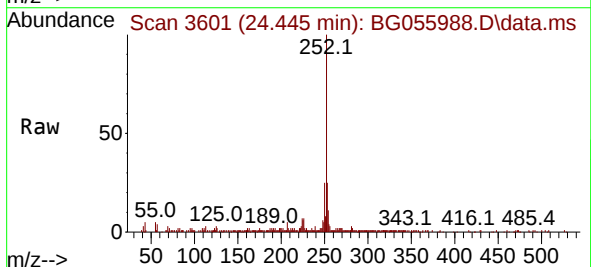
Tgt Ion:252 Resp: 139522

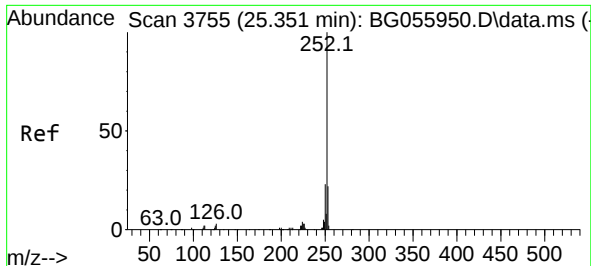
Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 3.0 2.0 3.0

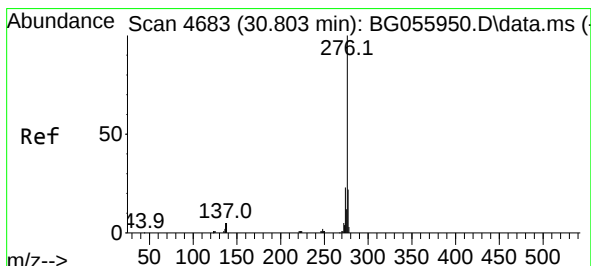
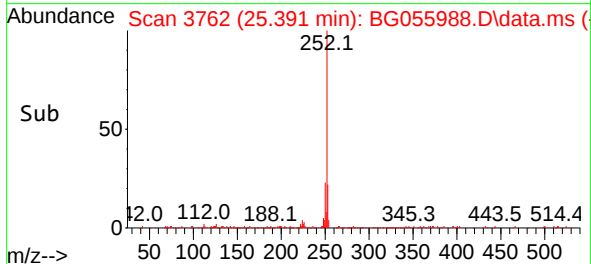
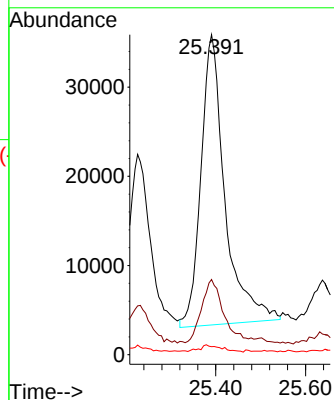
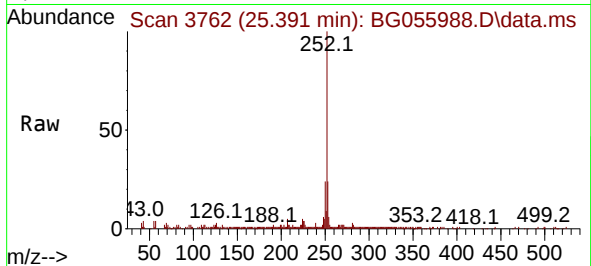




#90
Benzo(a)pyrene
Concen: 36.778 ng
RT: 25.391 min Scan# 31
Delta R.T. 0.040 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)

Tgt Ion:252 Resp: 120785
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 2.5 1.9 2.9



#92
Benzo(g,h,i)perylene
Concen: 5.848 ng
RT: 30.872 min Scan# 4695
Delta R.T. 0.069 min
Lab File: BG055988.D
Acq: 15 Dec 2022 22:37

Tgt Ion:276 Resp: 22847
Ion Ratio Lower Upper
276 100
277 31.4 17.8 26.6#
138 5.9 3.8 5.6#

