

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054709.D
 Acq On : 23 Aug 2022 16:08
 Operator : CG/JU
 Sample : N4272-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717

Quant Time: Aug 24 01:49:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

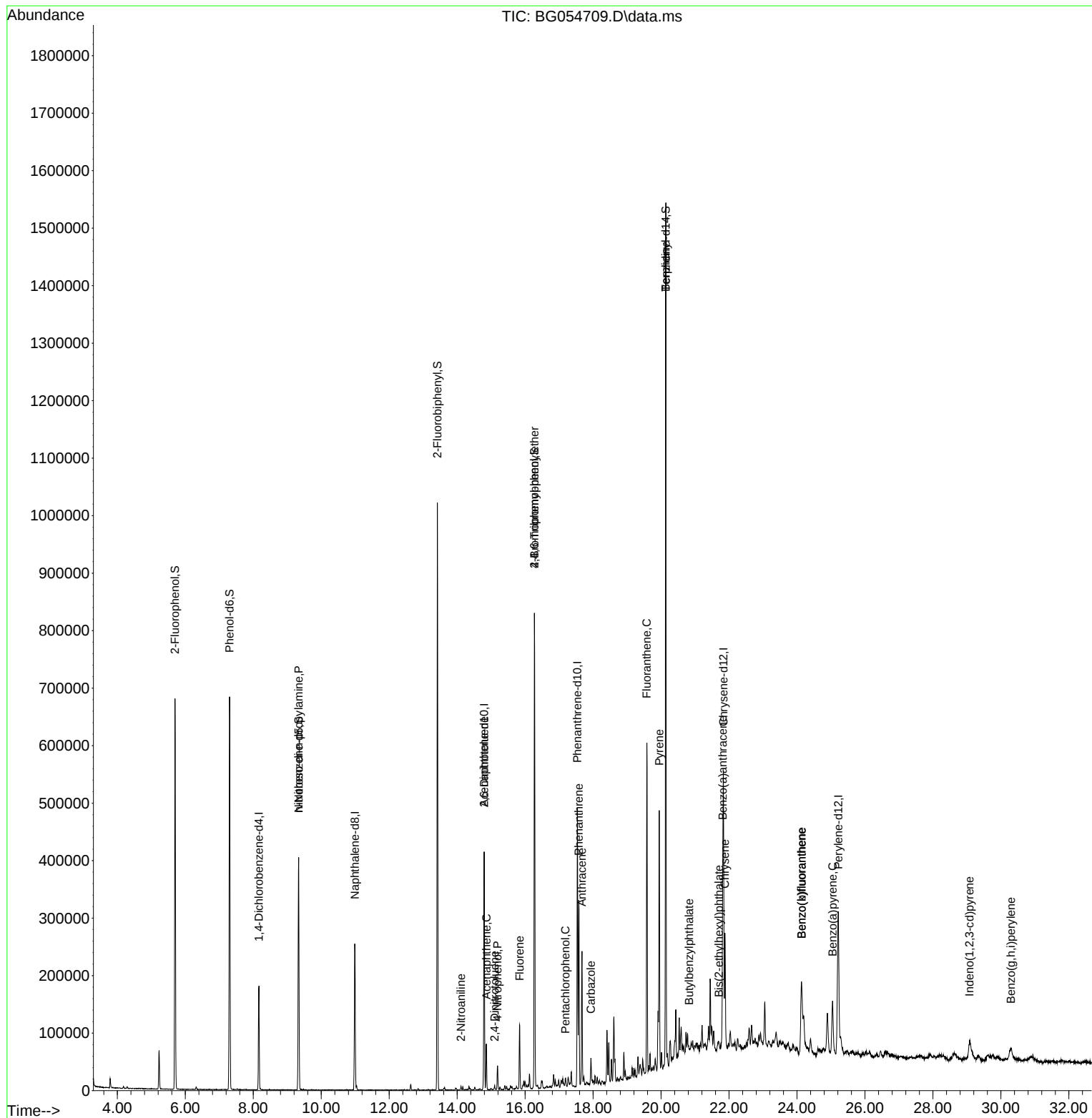
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	52917	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	223865	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	146628	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	297762	20.000	ng	0.00
76) Chrysene-d12	21.831	240	260912	20.000	ng	0.00
86) Perylene-d12	25.215	264	279459	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	300304	106.941	ng	0.00
7) Phenol-d6	7.301	99	408482	103.814	ng	0.00
23) Nitrobenzene-d5	9.334	82	249654	63.554	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	158057	134.602	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	518981	52.196	ng	0.00
79) Terphenyl-d14	20.139	244	734422	55.916	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.334	70	32251	11.650	ng	# 84
48) 2-Nitroaniline	14.111	65	55	3.592	ng	# 5
51) 2,6-Dinitrotoluene	14.792	165	19970	11.121	ng	# 22
52) Acenaphthene	14.857	154	29450	3.492	ng	99
56) 4-Nitrophenol	15.186	139	9699	6.301	ng	# 7
57) 2,4-Dinitrotoluene	15.098	165	605	4.503	ng	# 18
58) Fluorene	15.838	166	51705	4.893	ng	99
67) 4-Bromophenyl-phenylether	16.273	248	10670	3.723	ng	# 1
70) Pentachlorophenol	17.184	266	825	7.498	ng	93
71) Phenanthrene	17.577	178	206191	12.991	ng	98
72) Anthracene	17.671	178	151272	9.836	ng	99
73) Carbazole	17.936	167	27845	2.035	ng	97
75) Fluoranthene	19.581	202	363131	19.406	ng	99
77) Benzidine	20.139	184	11364	2.006	ng	# 87
78) Pyrene	19.945	202	291606	15.845	ng	98
80) Butylbenzylphthalate	20.826	149	244	5.188	ng	# 51
81) Benzo(a)anthracene	21.813	228	145325	8.201	ng	100
83) Chrysene	21.878	228	142274	8.437	ng	98
84) Bis(2-ethylhexyl)phtha...	21.702	149	2455	4.446	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.076	276	59294	2.843	ng	95
88) Benzo(b)fluoranthene	24.134	252	160980	9.277	ng	99
89) Benzo(k)fluoranthene	24.134	252	160980	8.990	ng	99
90) Benzo(a)pyrene	25.045	252	105881	7.109	ng	99
92) Benzo(g,h,i)perylene	30.292	276	53834	3.214	ng	# 91

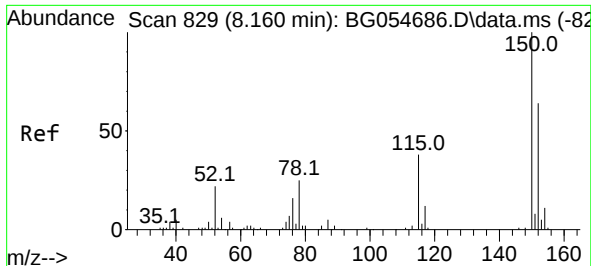
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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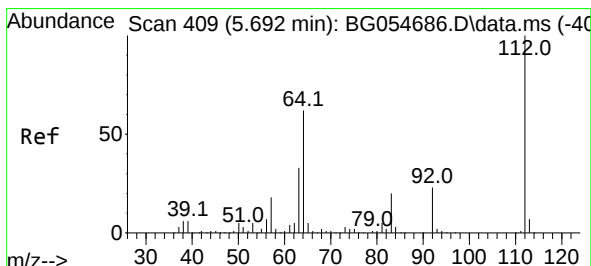
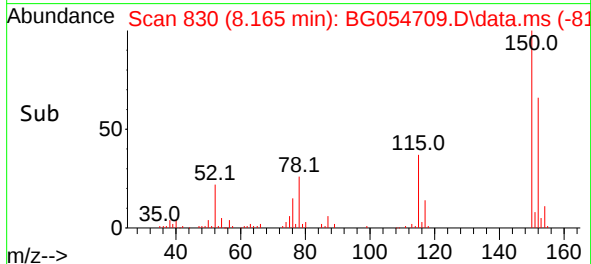
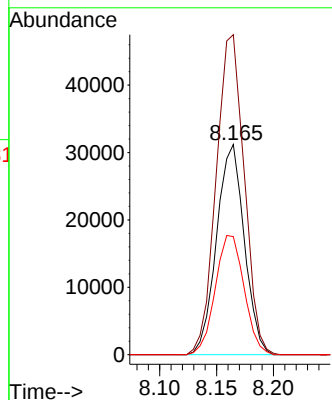
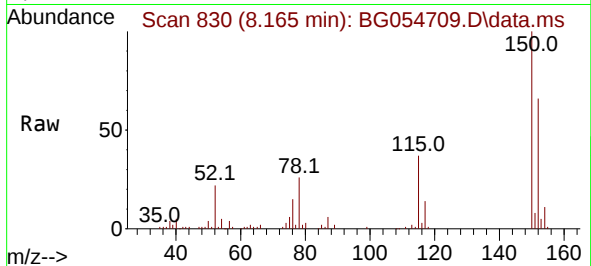




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

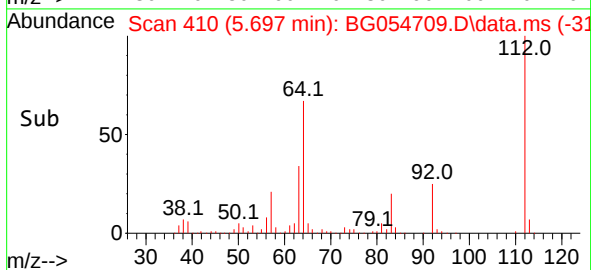
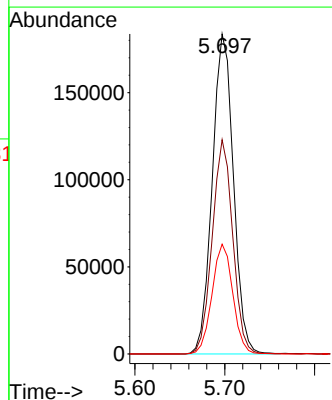
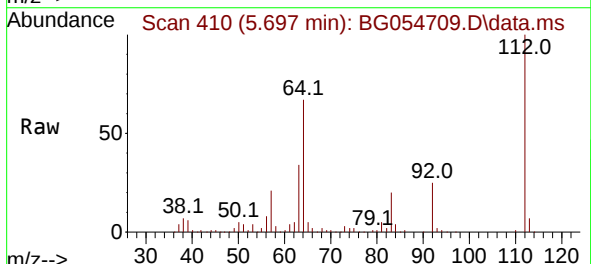
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BNA_G
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PSC-164717

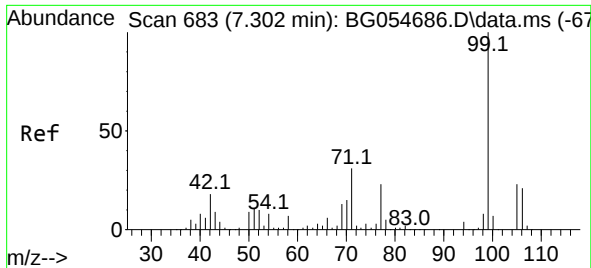
Tgt Ion:152 Resp: 52917
Ion Ratio Lower Upper
152 100
150 152.2 125.2 187.8
115 56.2 47.9 71.9



#5
2-Fluorophenol
Concen: 106.941 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:112 Resp: 300304
Ion Ratio Lower Upper
112 100
64 67.0 49.3 73.9
63 34.3 26.3 39.5

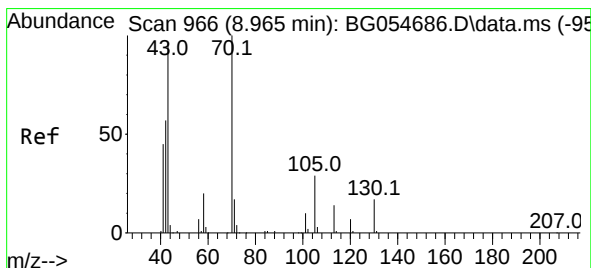
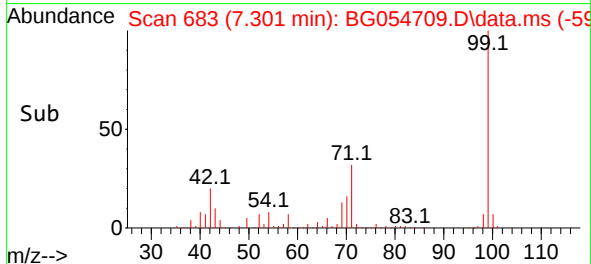
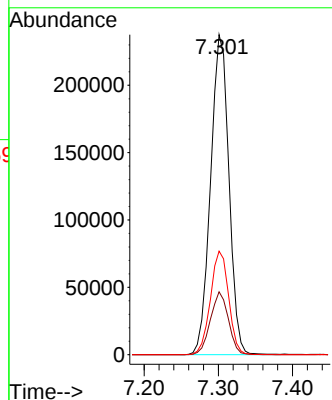
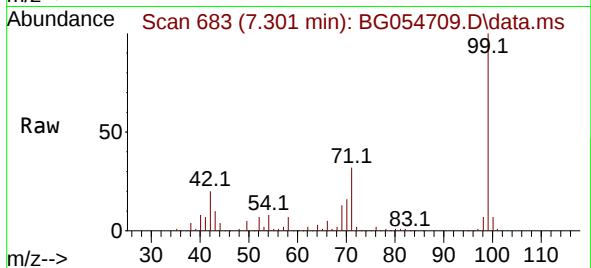




#7
Phenol-d6
Concen: 103.814 ng
RT: 7.301 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

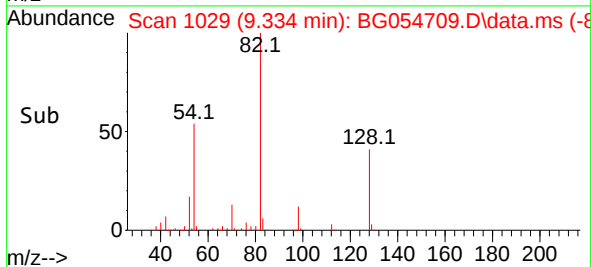
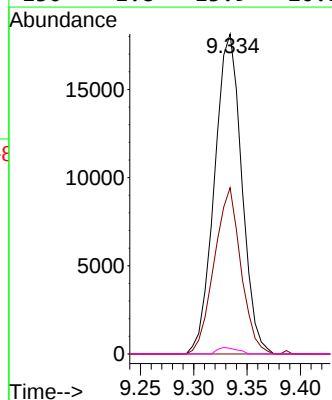
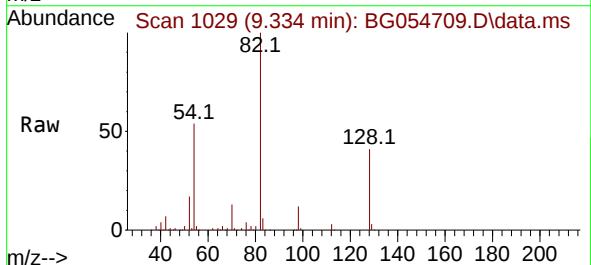
Instrument :
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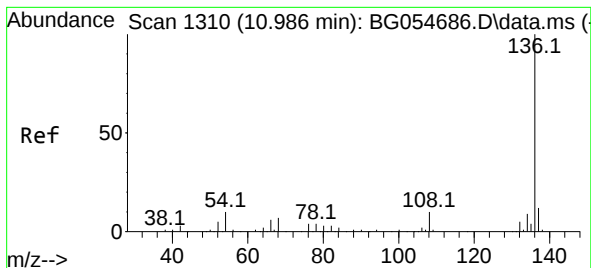
Tgt Ion: 99 Resp: 408482
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 32.3 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.650 ng
RT: 9.334 min Scan# 1029
Delta R.T. 0.369 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion: 70 Resp: 32251
Ion Ratio Lower Upper
70 100
42 52.0 46.6 69.8
101 0.0 7.7 11.5#
130 1.8 13.9 20.9#

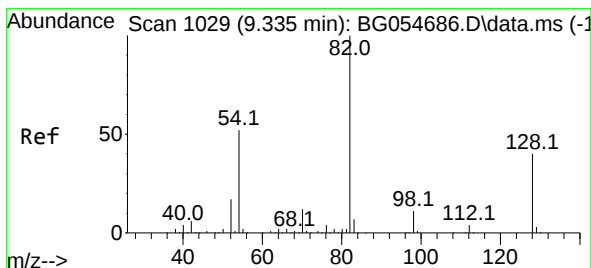
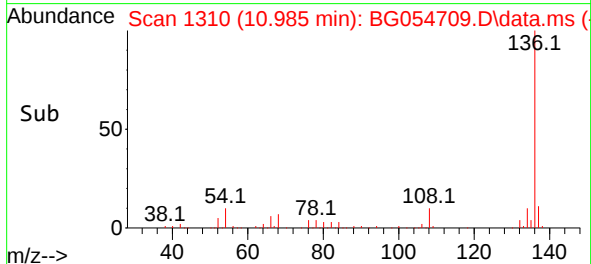
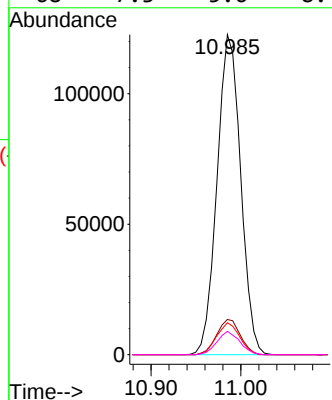
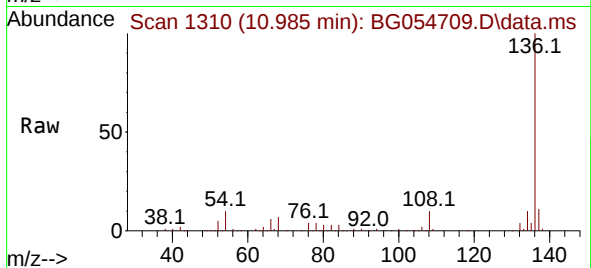




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

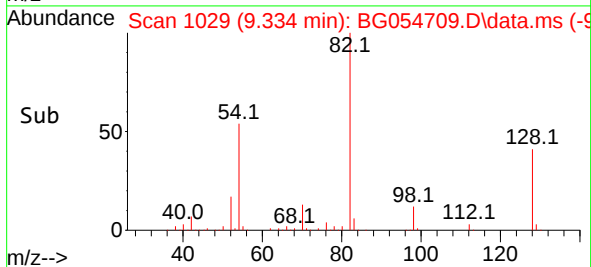
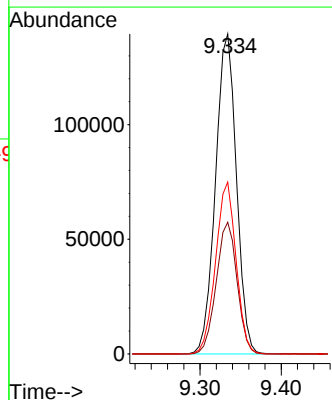
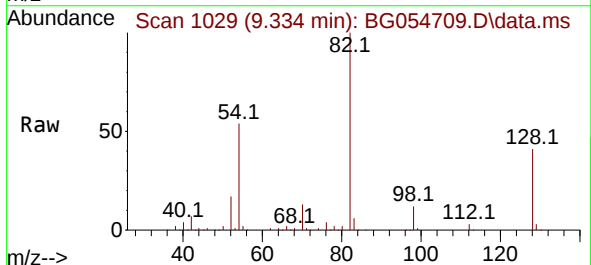
Instrument :
BNA_G
ClientSampleId :
PSC-164717

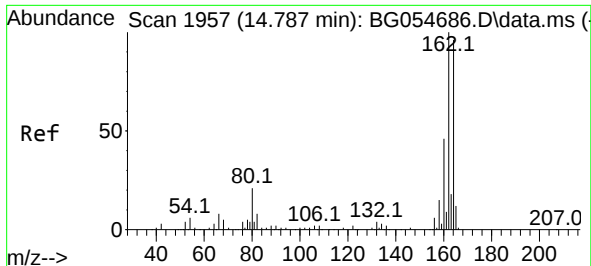
Tgt Ion:	136	Resp:	223865
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.2	13.8
54	10.0	7.7	11.5
68	7.3	5.6	8.4



#23
Nitrobenzene-d5
Concen: 63.554 ng
RT: 9.334 min Scan# 1029
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:	82	Resp:	249654
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.2	48.2
54	53.7	41.4	62.0

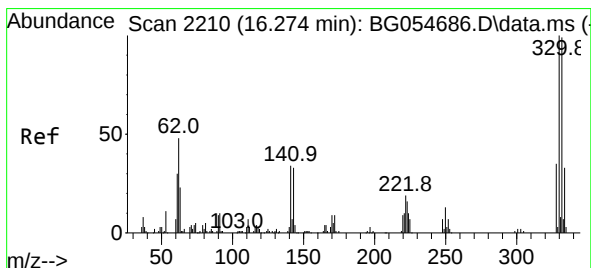
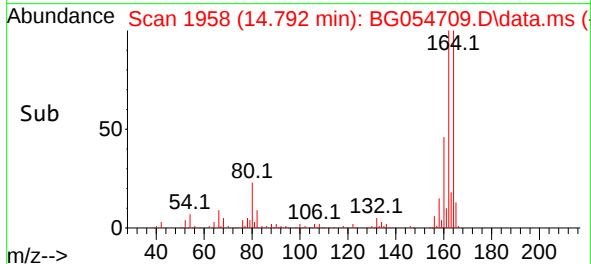
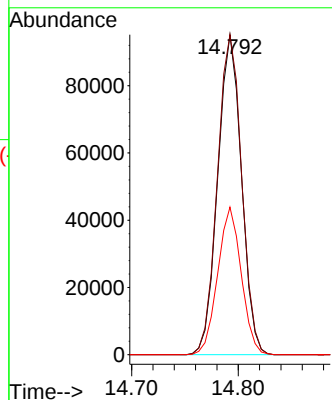
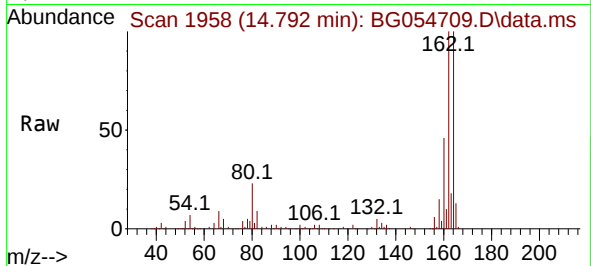




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

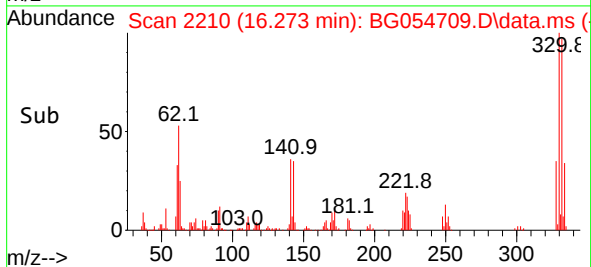
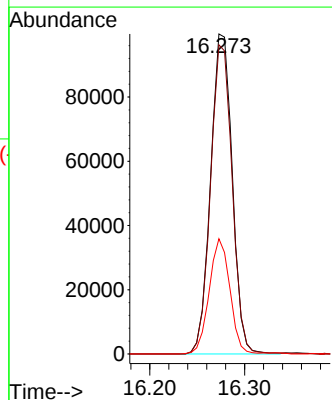
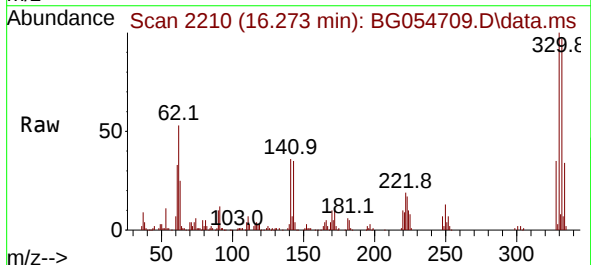
Instrument :
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ClientSampleId :
PSC-164717

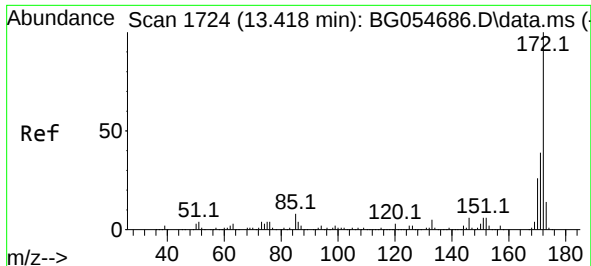
Tgt Ion:164 Resp: 146628
Ion Ratio Lower Upper
164 100
162 100.1 83.0 124.4
160 46.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 134.602 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:330 Resp: 158057
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 34.5 26.8 40.2

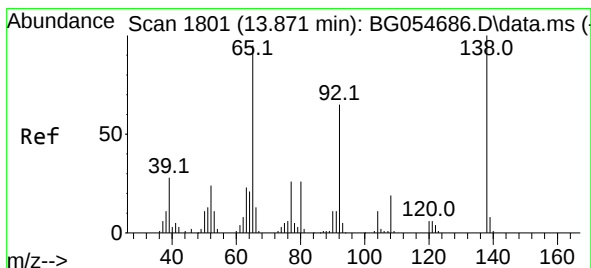
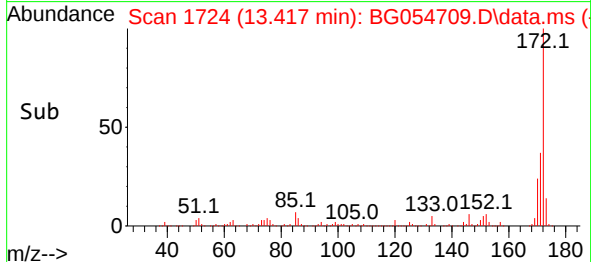
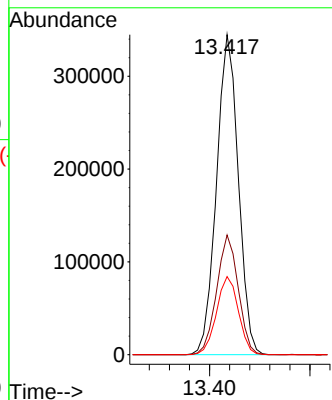
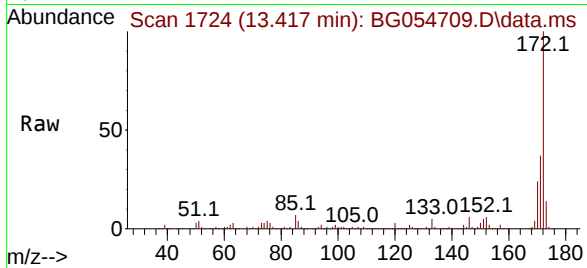




#45
2-Fluorobiphenyl
Concen: 52.196 ng
RT: 13.417 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

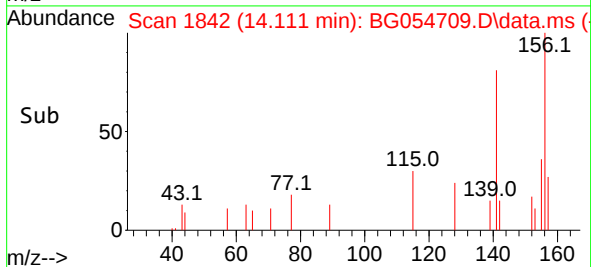
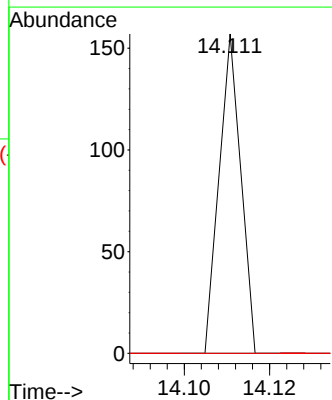
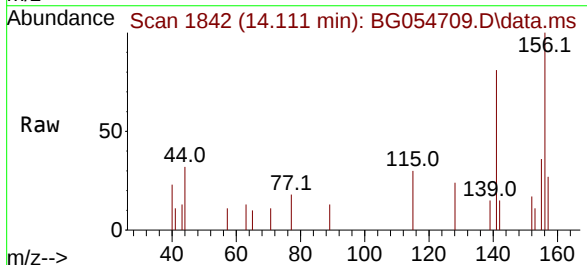
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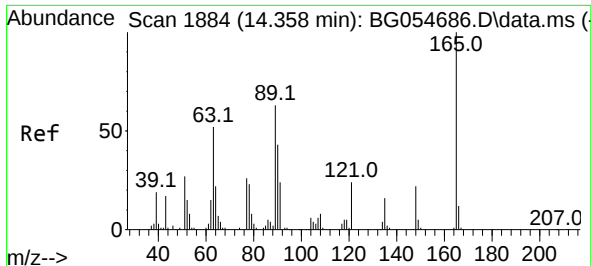
Tgt Ion:172 Resp: 518981
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.4 20.6 30.8



#48
2-Nitroaniline
Concen: 3.592 ng
RT: 14.111 min Scan# 1842
Delta R.T. 0.240 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 54.7 82.1#
138 0.0 84.1 126.1#

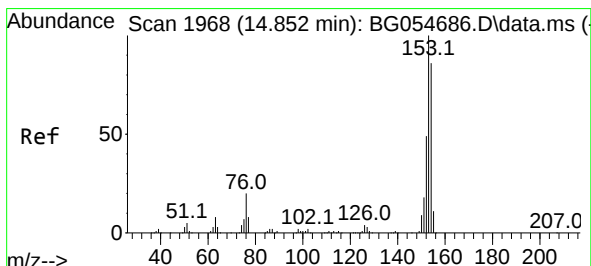
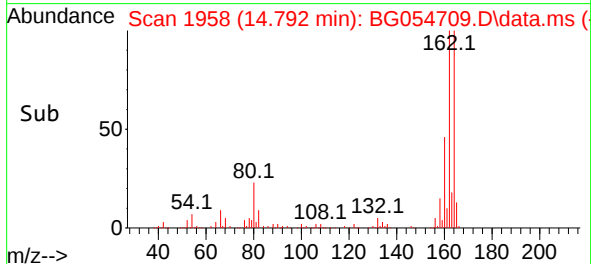
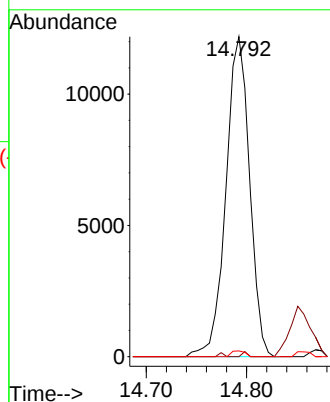
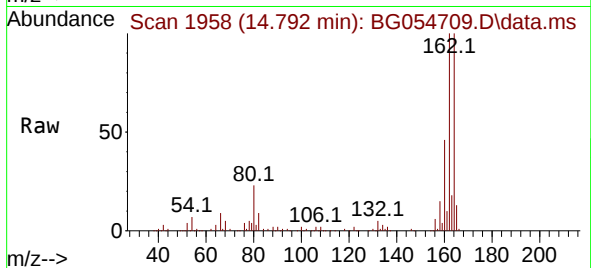




#51
2,6-Dinitrotoluene
Concen: 11.121 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.434 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

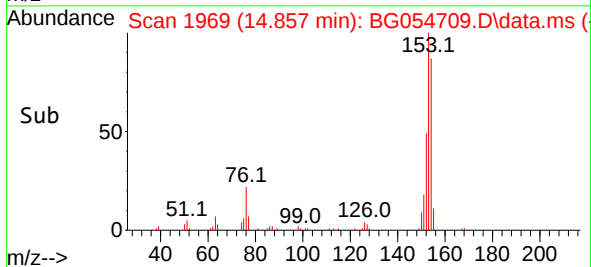
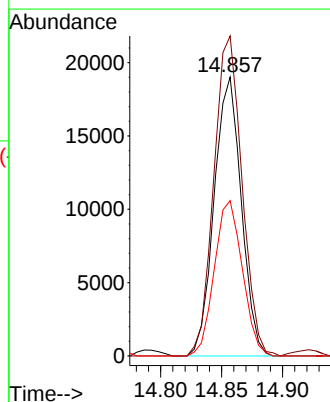
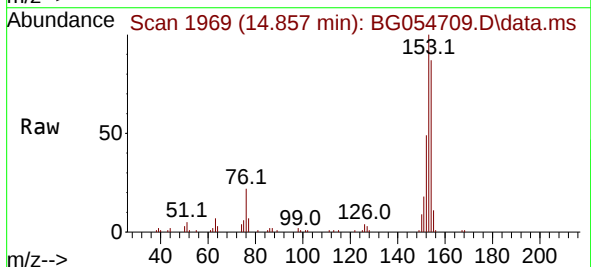
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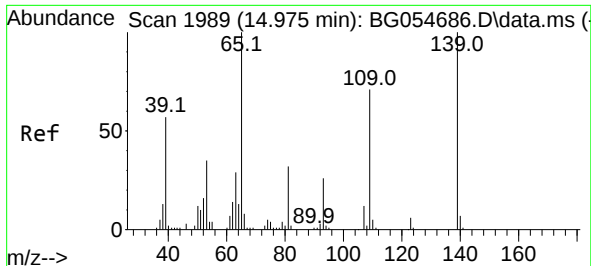
Tgt Ion:165 Resp: 19970
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.8 50.3 75.5#



#52
Acenaphthene
Concen: 3.492 ng
RT: 14.857 min Scan# 1969
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:154 Resp: 29450
Ion Ratio Lower Upper
154 100
153 114.8 92.8 139.2
152 55.7 45.4 68.2

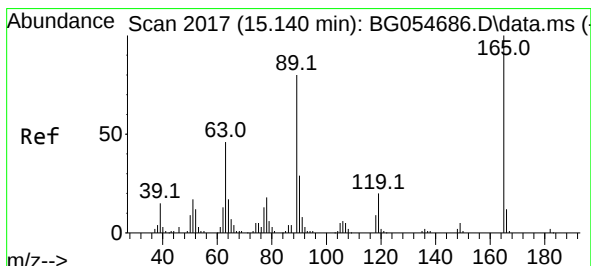
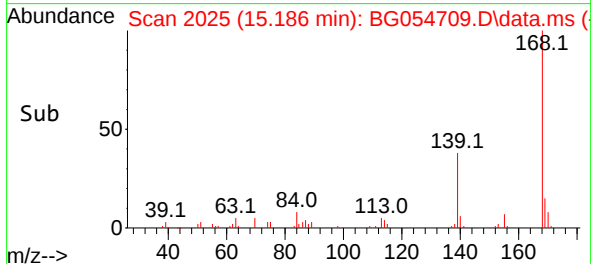
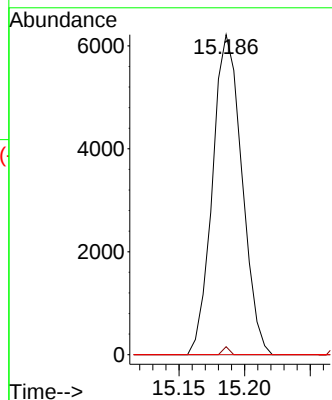
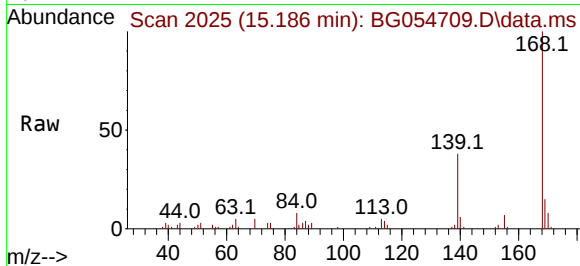




#56
4-Nitrophenol
Concen: 6.301 ng
RT: 15.186 min Scan# 20
Delta R.T. 0.211 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

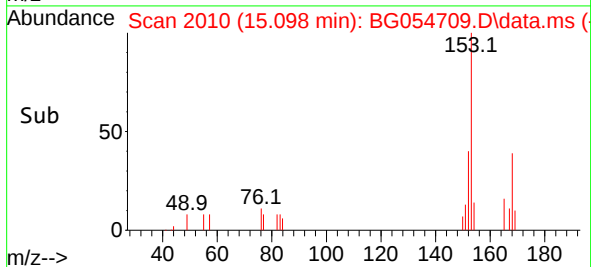
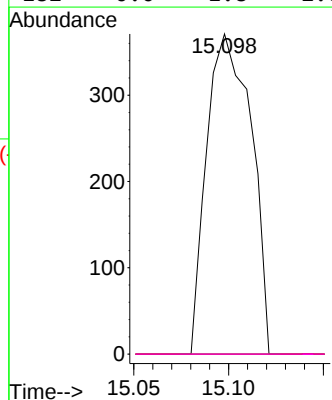
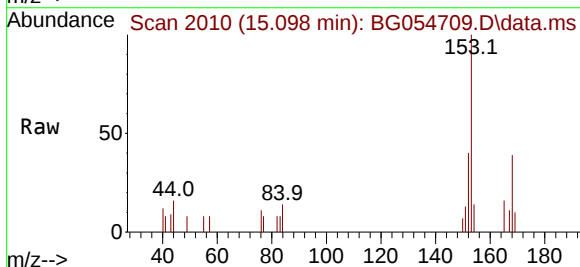
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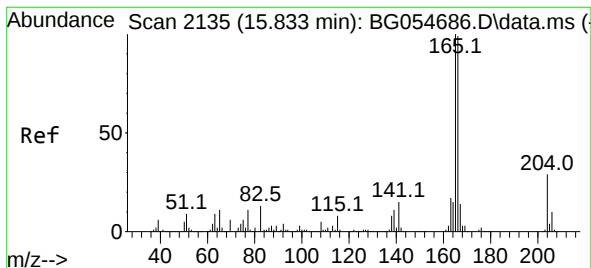
Tgt Ion:139 Resp: 9699
Ion Ratio Lower Upper
139 100
109 2.5 50.5 90.5#
65 0.0 79.9 119.9#



#57
2,4-Dinitrotoluene
Concen: 4.503 ng
RT: 15.098 min Scan# 2010
Delta R.T. -0.042 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:165 Resp: 605
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#





#58

Fluorene

Concen: 4.893 ng

RT: 15.838 min Scan# 2135

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

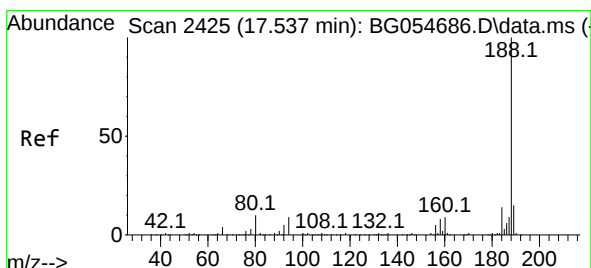
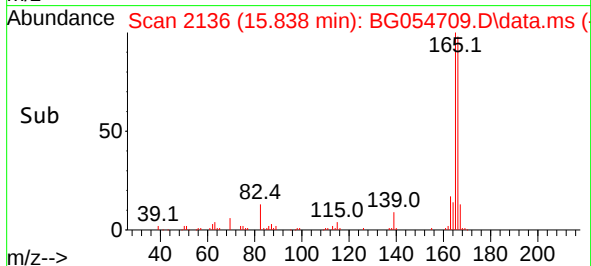
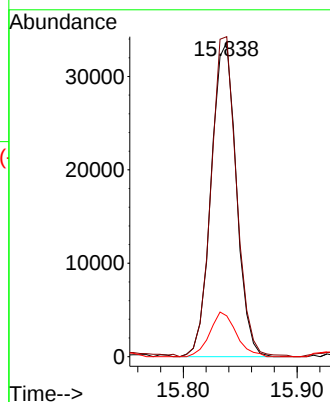
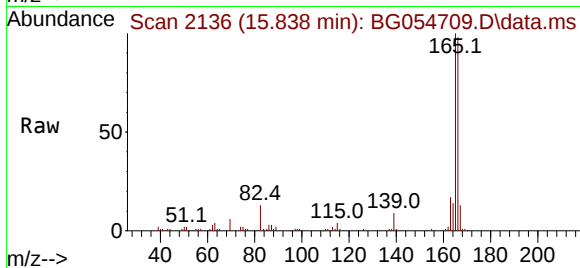
Tgt Ion:166 Resp: 51705

Ion Ratio Lower Upper

166 100

165 101.8 80.8 121.2

167 13.0 11.4 17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.536 min Scan# 2425

Delta R.T. -0.001 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

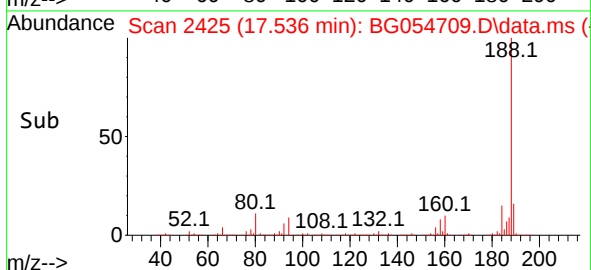
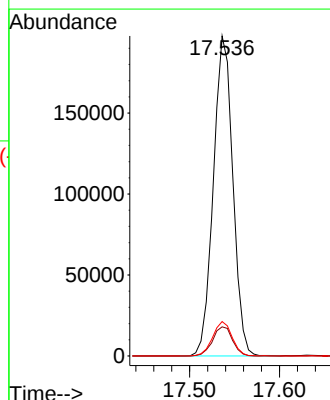
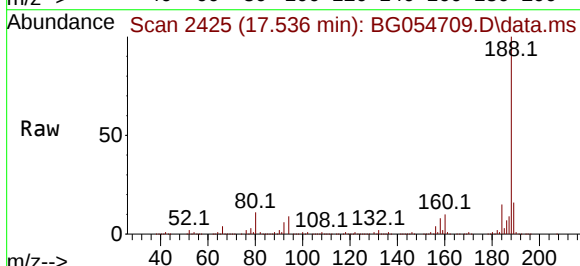
Tgt Ion:188 Resp: 297762

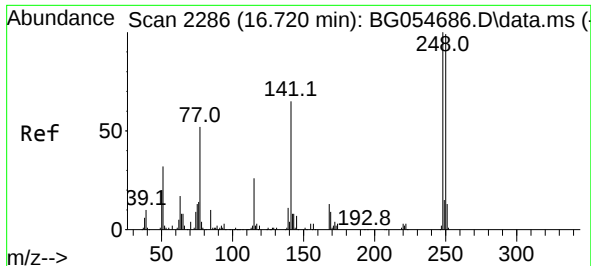
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 10.8 7.9 11.9

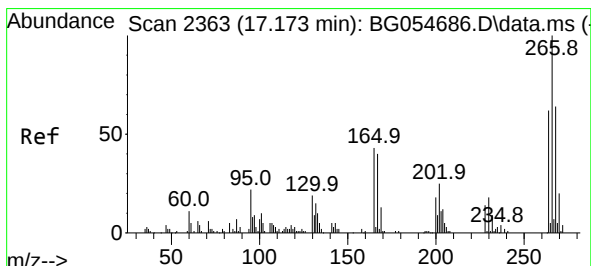
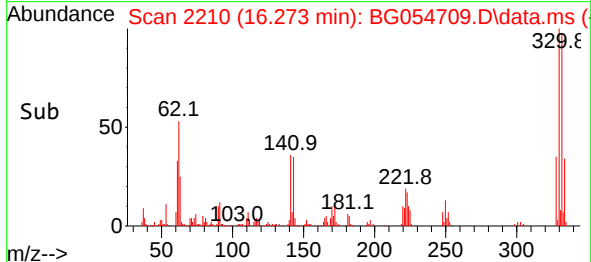
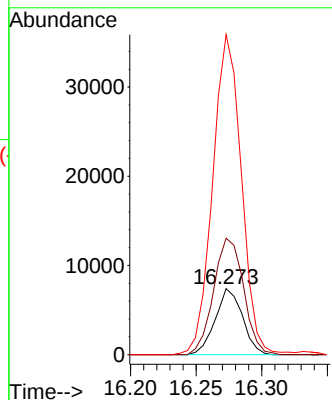
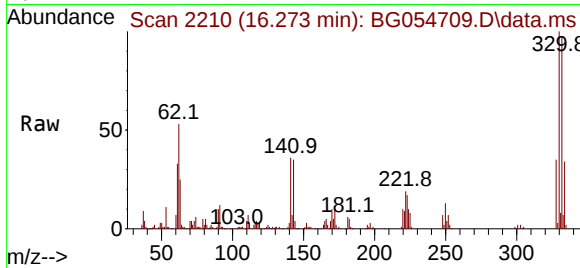




#67
4-Bromophenyl-phenylether
Concen: 3.723 ng
RT: 16.273 min Scan# 211
Delta R.T. -0.447 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

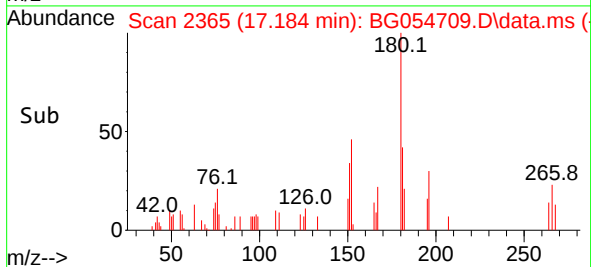
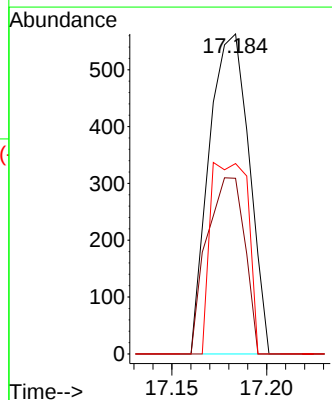
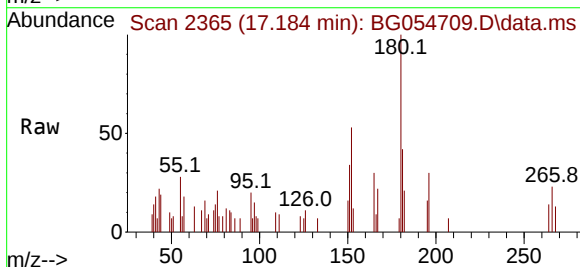
Instrument :
BNA_G
ClientSampleId :
PSC-164717

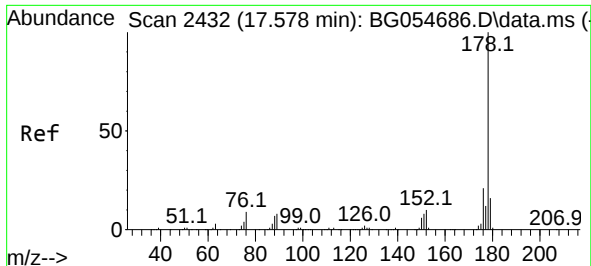
Tgt Ion:248 Resp: 10670
Ion Ratio Lower Upper
248 100
250 176.1 78.8 118.2#
141 483.9 51.9 77.9#



#70
Pentachlorophenol
Concen: 7.498 ng
RT: 17.184 min Scan# 2365
Delta R.T. 0.011 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:266 Resp: 825
Ion Ratio Lower Upper
266 100
268 54.9 51.2 76.8
264 59.5 49.4 74.0

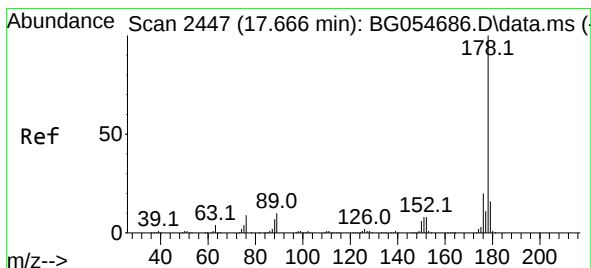
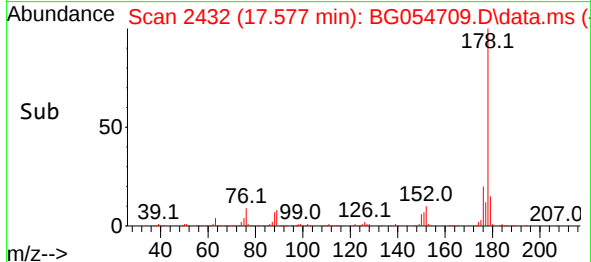
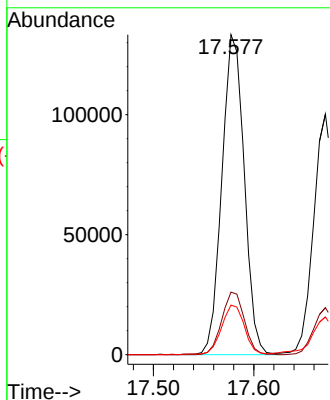
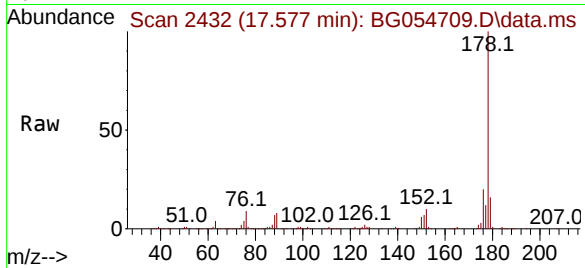




#71
Phenanthrene
Concen: 12.991 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

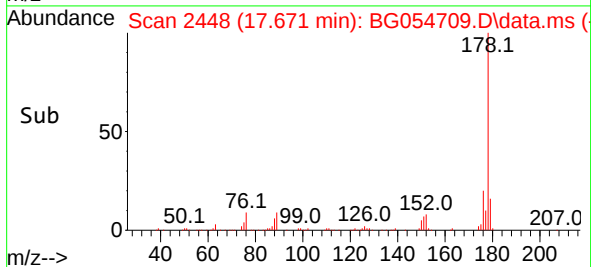
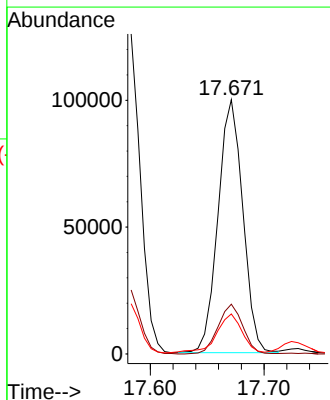
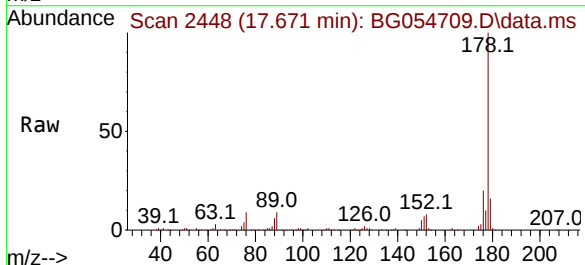
Instrument :
BNA_G
ClientSampleId :
PSC-164717

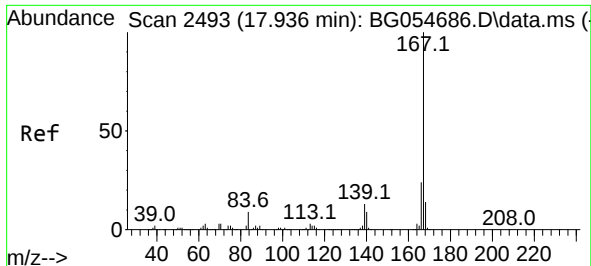
Tgt Ion:178 Resp: 206191
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.5 12.8 19.2



#72
Anthracene
Concen: 9.836 ng
RT: 17.671 min Scan# 2448
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:178 Resp: 151272
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.7 12.9 19.3

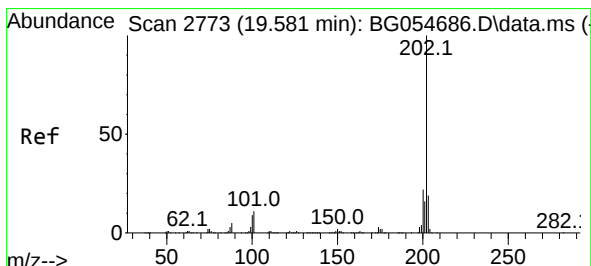
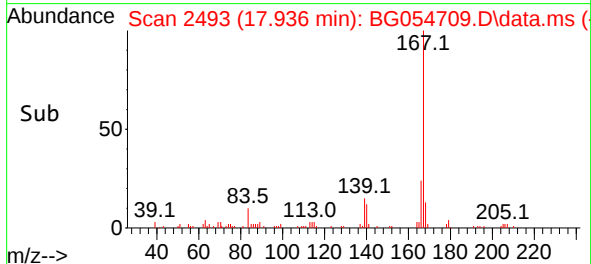
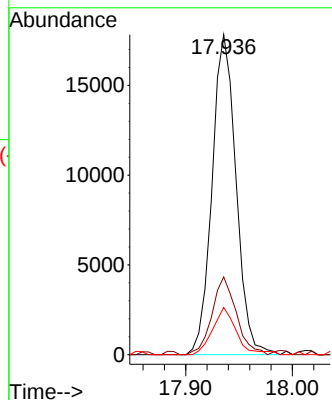
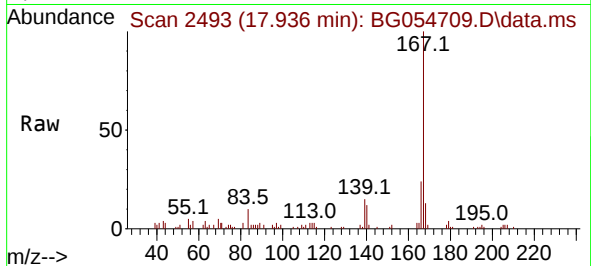




#73
 Carbazole
 Concen: 2.035 ng
 RT: 17.936 min Scan# 2493
 Delta R.T. -0.001 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

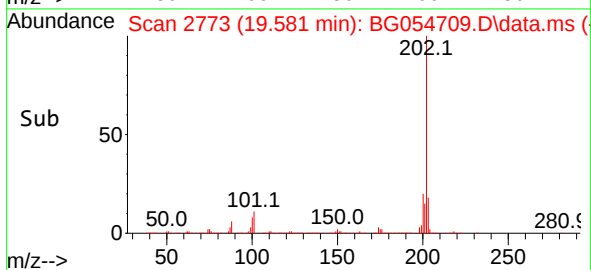
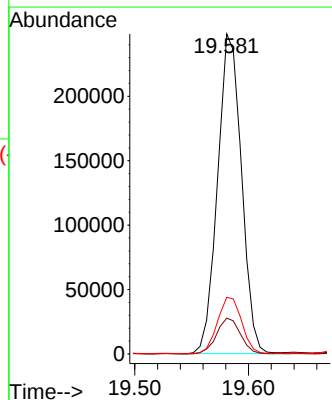
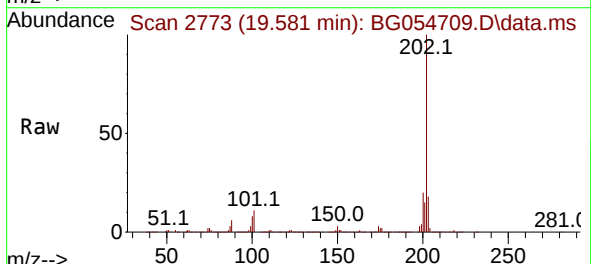
Instrument :
 BNA_G
 ClientSampleId :
 PSC-164717

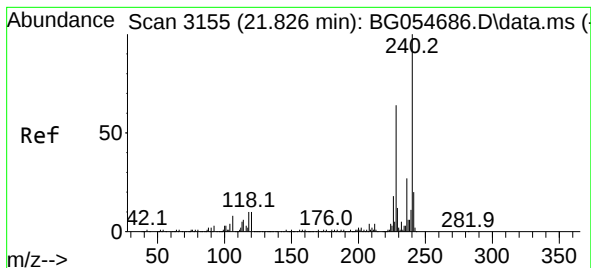
Tgt Ion:	167	Resp:	27845
Ion	Ratio	Lower	Upper
167	100		
166	24.3	18.8	28.2
139	14.7	10.2	15.4



#75
 Fluoranthene
 Concen: 19.406 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. -0.001 min
 Lab File: BG054709.D
 Acq: 23 Aug 2022 16:08

Tgt Ion:	202	Resp:	363131
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.7	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.831 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

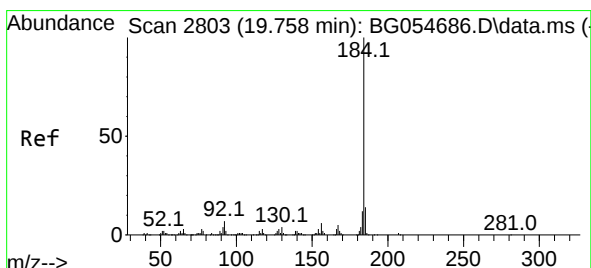
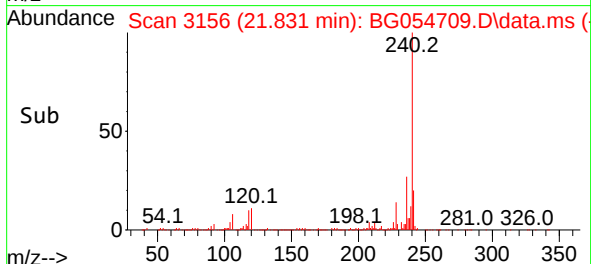
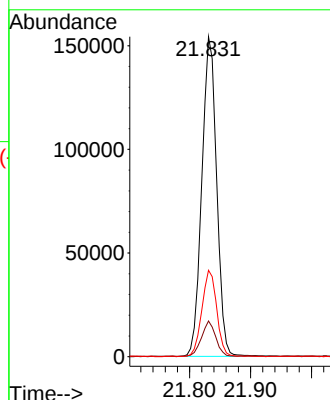
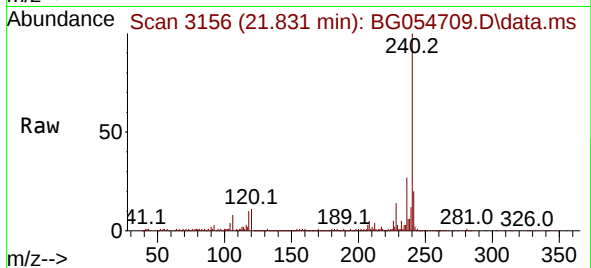
Tgt Ion:240 Resp: 260912

Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.4

236 27.0 21.2 31.8



#77

Benzidine

Concen: 2.006 ng

RT: 20.139 min Scan# 2868

Delta R.T. 0.381 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

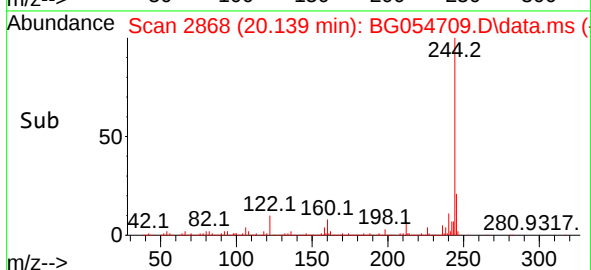
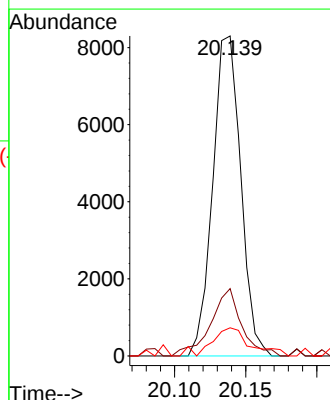
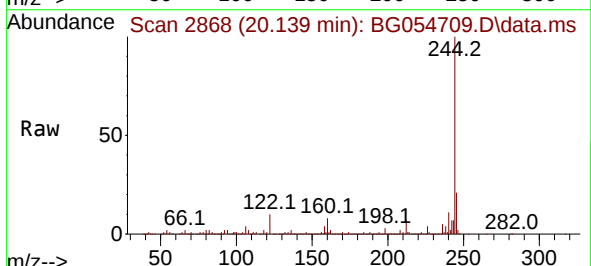
Tgt Ion:184 Resp: 11364

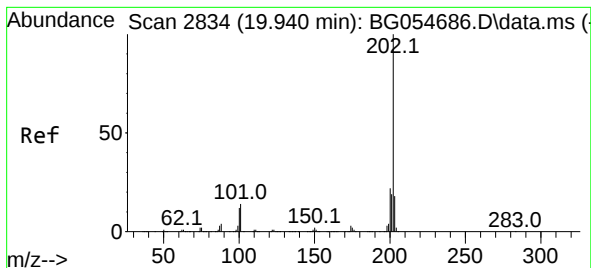
Ion Ratio Lower Upper

184 100

185 21.1 11.4 17.0#

183 8.8 9.8 14.8#





#78

Pyrene

Concen: 15.845 ng

RT: 19.945 min Scan# 2

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

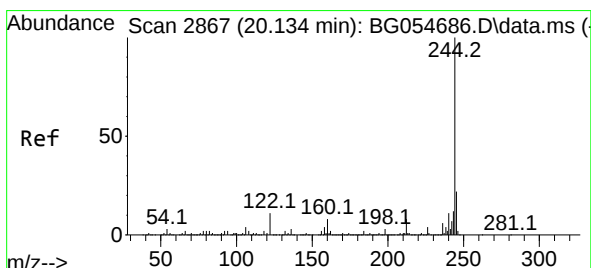
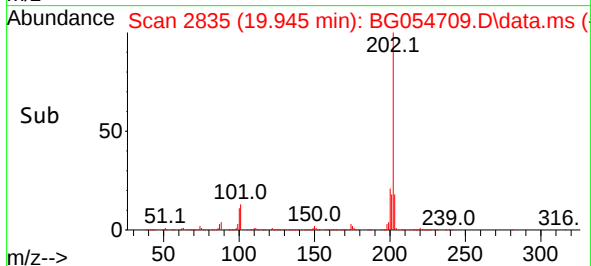
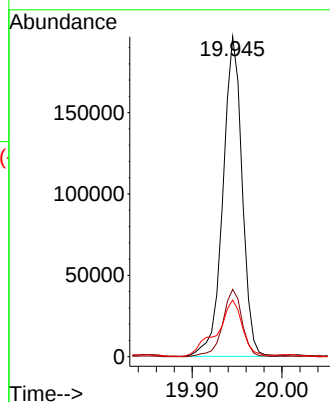
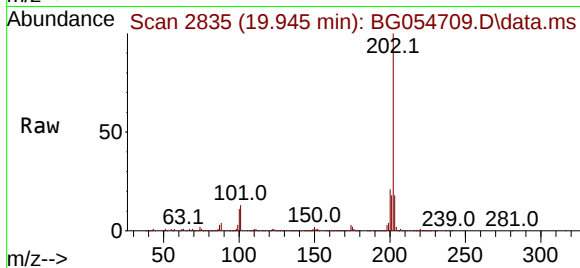
Tgt Ion:202 Resp: 291606

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

203 17.7 14.6 21.8



#79

Terphenyl-d14

Concen: 55.916 ng

RT: 20.139 min Scan# 2868

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

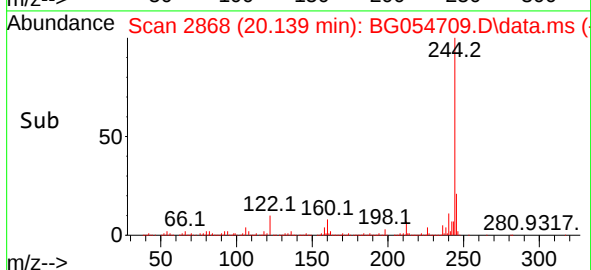
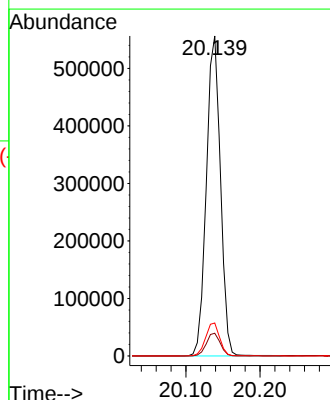
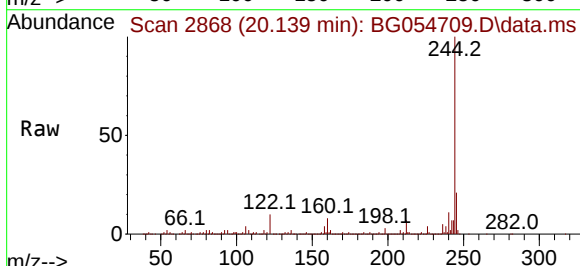
Tgt Ion:244 Resp: 734422

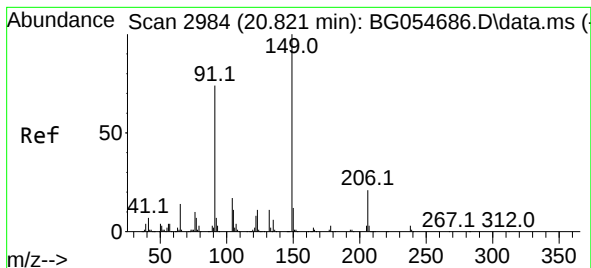
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 10.3 9.0 13.6





#80

Butylbenzylphthalate

Concen: 5.188 ng

RT: 20.826 min Scan# 2984

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

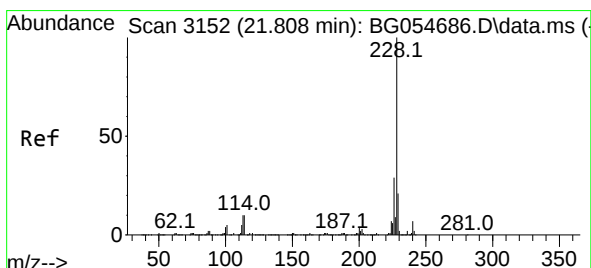
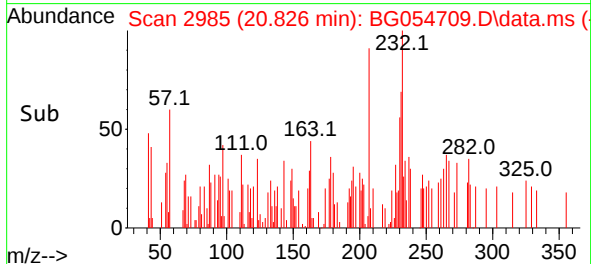
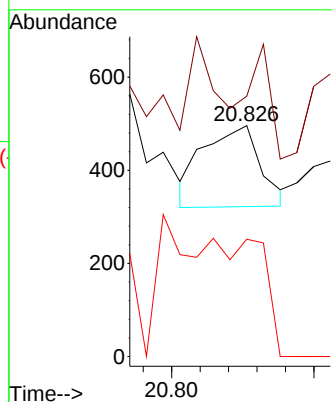
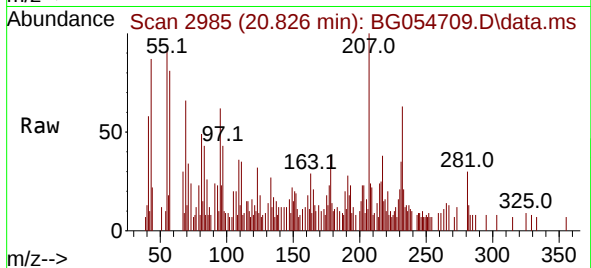
Tgt Ion:149 Resp: 244

Ion Ratio Lower Upper

149 100

91 112.7 59.5 89.3#

206 50.8 16.6 25.0#



#81

Benzo(a)anthracene

Concen: 8.201 ng

RT: 21.813 min Scan# 3153

Delta R.T. 0.005 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

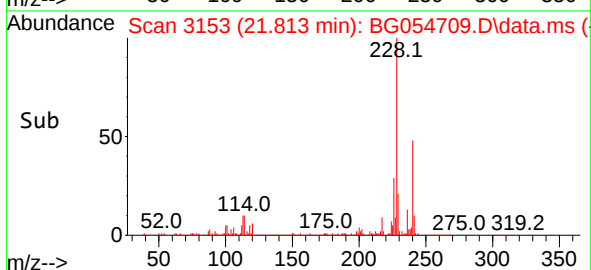
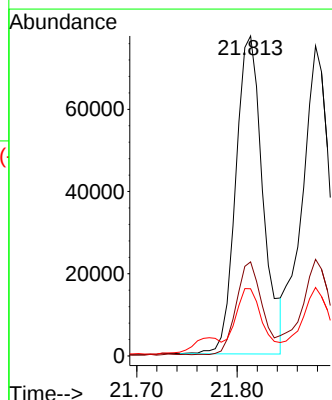
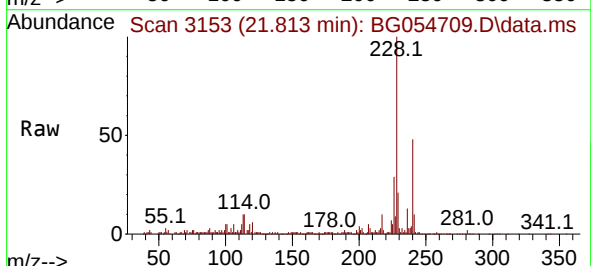
Tgt Ion:228 Resp: 145325

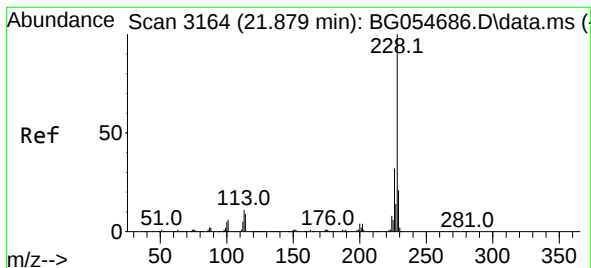
Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

229 21.0 16.5 24.7





#83

Chrysene

Concen: 8.437 ng

RT: 21.878 min Scan# 3164

Delta R.T. -0.001 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

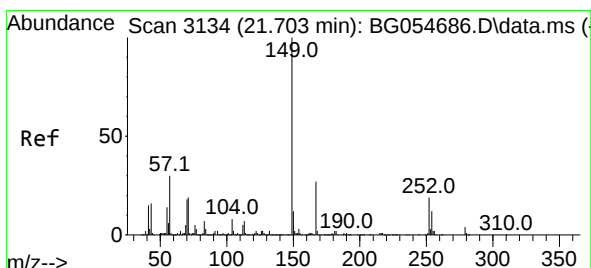
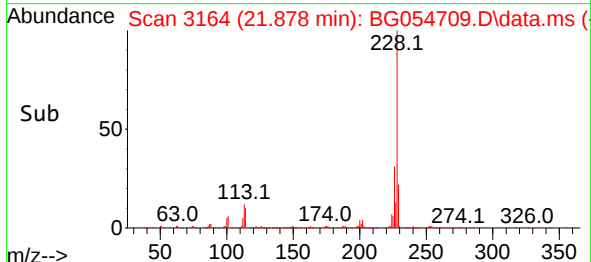
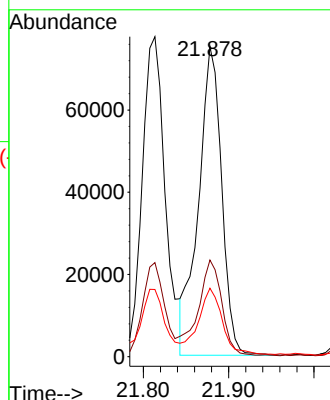
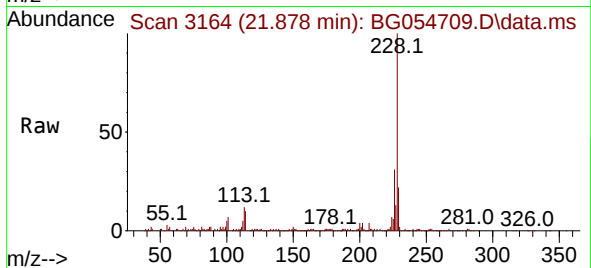
Tgt Ion:228 Resp: 142274

Ion Ratio Lower Upper

228 100

226 31.2 25.5 38.3

229 22.1 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.446 ng

RT: 21.702 min Scan# 3134

Delta R.T. -0.001 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

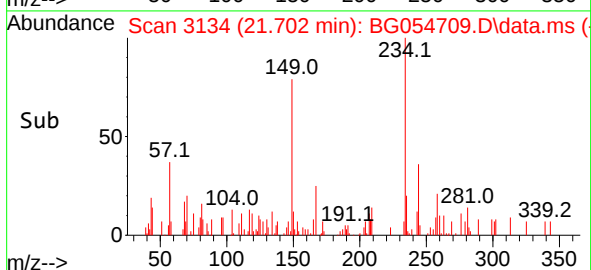
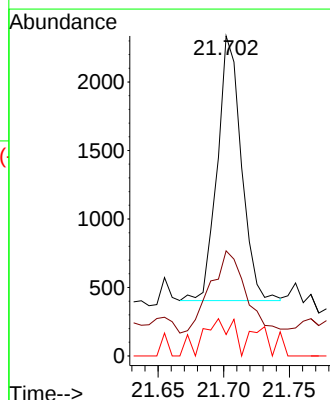
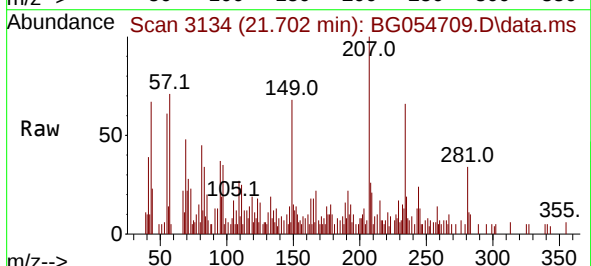
Tgt Ion:149 Resp: 2455

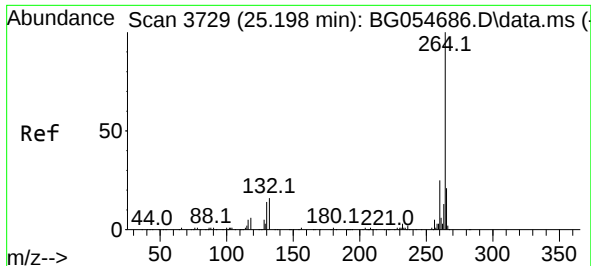
Ion Ratio Lower Upper

149 100

167 32.9 21.4 32.0#

279 6.7 3.1 4.7#

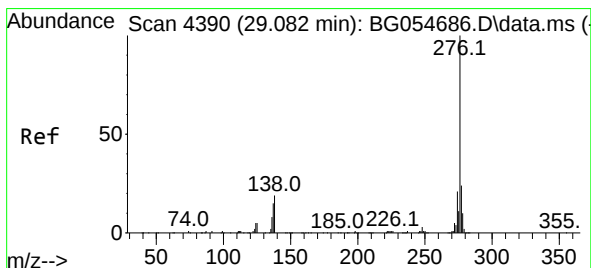
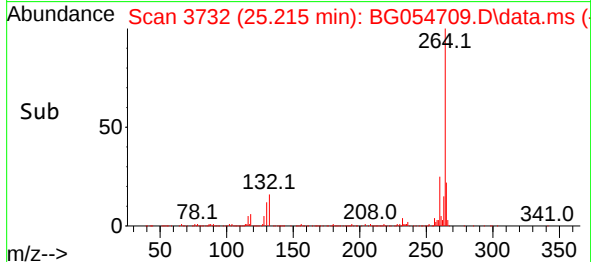
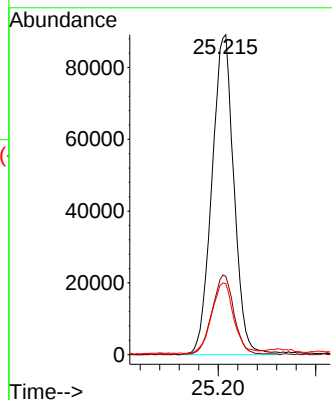
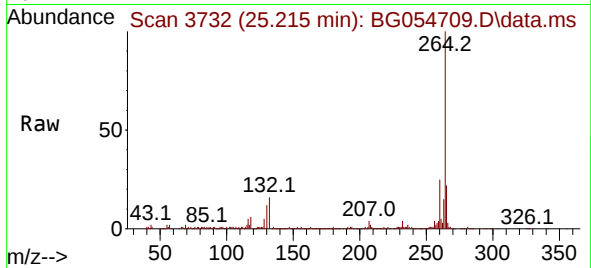




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.215 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

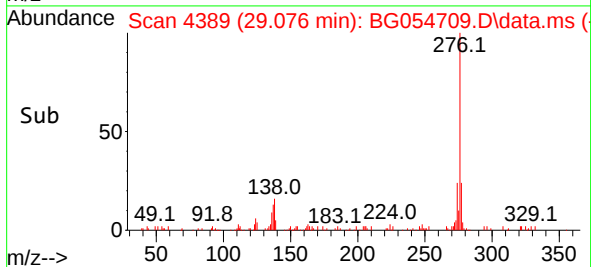
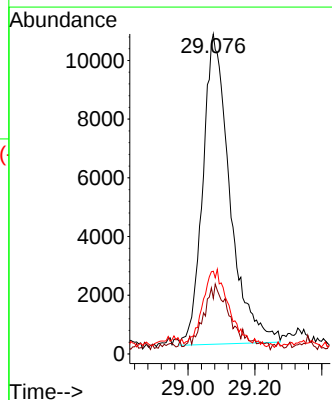
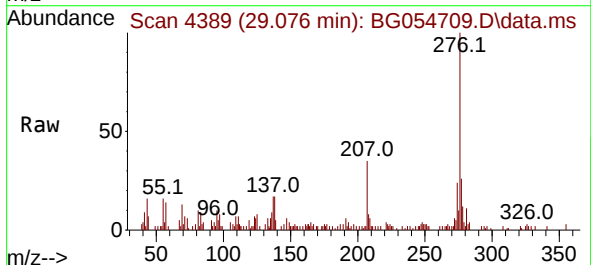
Instrument :
BNA_G
ClientSampleId :
PSC-164717

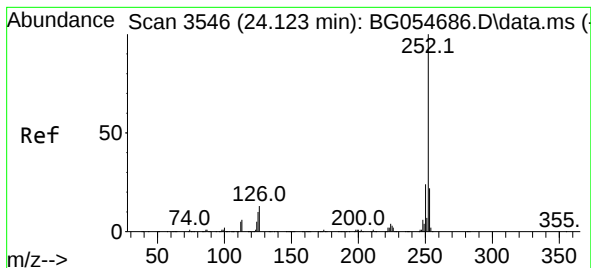
Tgt Ion:264 Resp: 279459
Ion Ratio Lower Upper
264 100
260 24.5 19.9 29.9
265 22.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.843 ng
RT: 29.076 min Scan# 4389
Delta R.T. -0.007 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:276 Resp: 59294
Ion Ratio Lower Upper
276 100
138 17.2 12.0 18.0
277 23.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 9.277 ng

RT: 24.134 min Scan# 3548

Delta R.T. 0.011 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

Instrument :

BNA_G

ClientSampleId :

PSC-164717

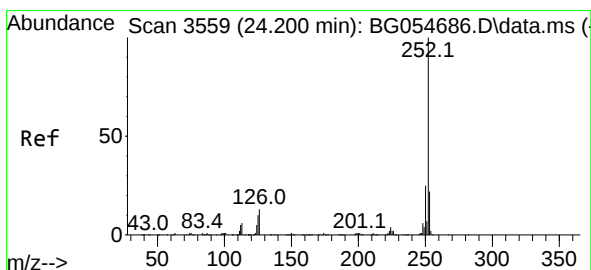
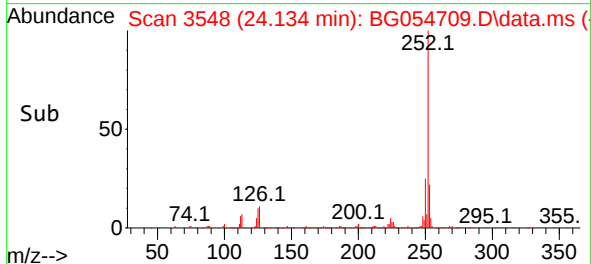
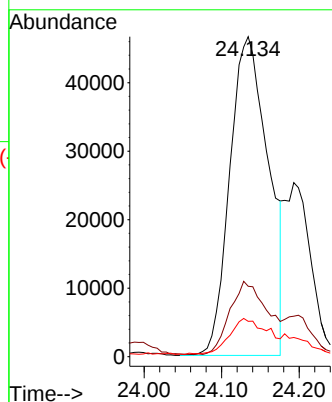
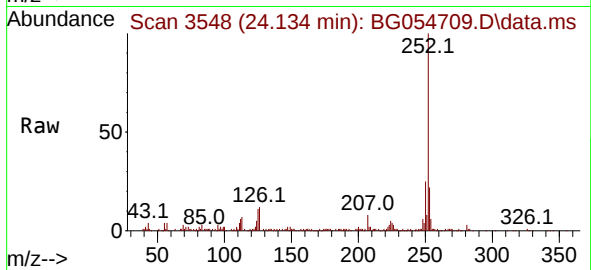
Tgt Ion:252 Resp: 160980

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 11.0 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 8.990 ng

RT: 24.134 min Scan# 3548

Delta R.T. -0.065 min

Lab File: BG054709.D

Acq: 23 Aug 2022 16:08

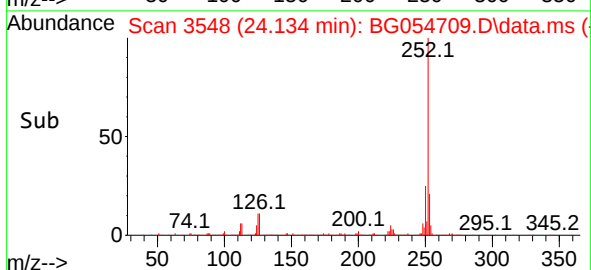
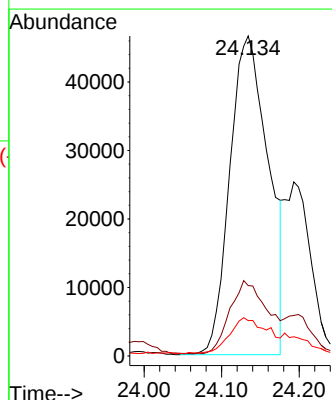
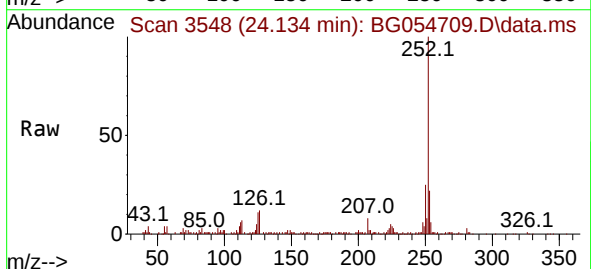
Tgt Ion:252 Resp: 160980

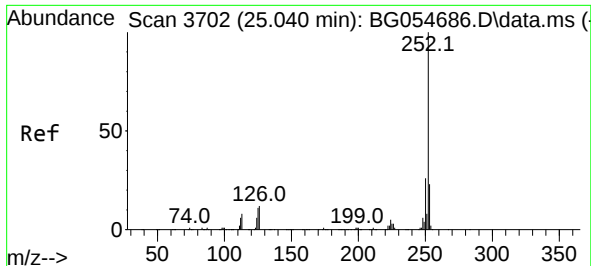
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 11.0 8.2 12.4

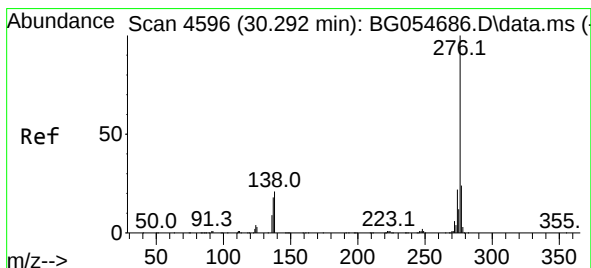
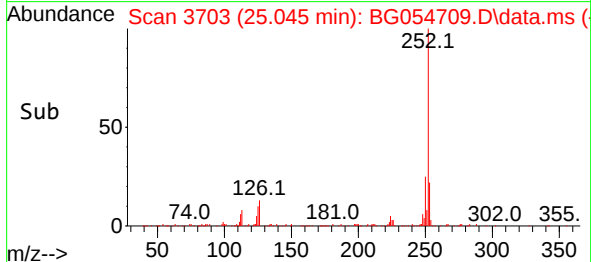
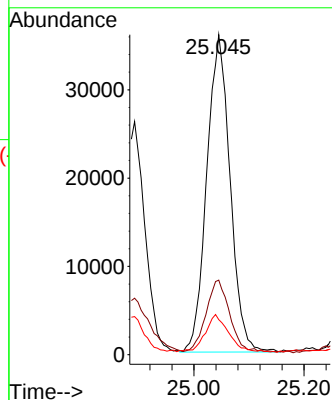
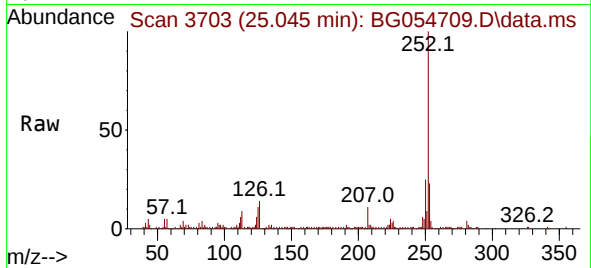




#90
Benzo(a)pyrene
Concen: 7.109 ng
RT: 25.045 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Instrument :
BNA_G
ClientSampleId :
PSC-164717

Tgt Ion:252 Resp: 105881
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 10.9 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 3.214 ng
RT: 30.292 min Scan# 4596
Delta R.T. -0.001 min
Lab File: BG054709.D
Acq: 23 Aug 2022 16:08

Tgt Ion:276 Resp: 53834
Ion Ratio Lower Upper
276 100
277 21.1 19.4 29.0
138 26.3 16.6 25.0#

