

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054714.D
 Acq On : 23 Aug 2022 19:46
 Operator : CG/JU
 Sample : N4275-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 01:52:13 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)

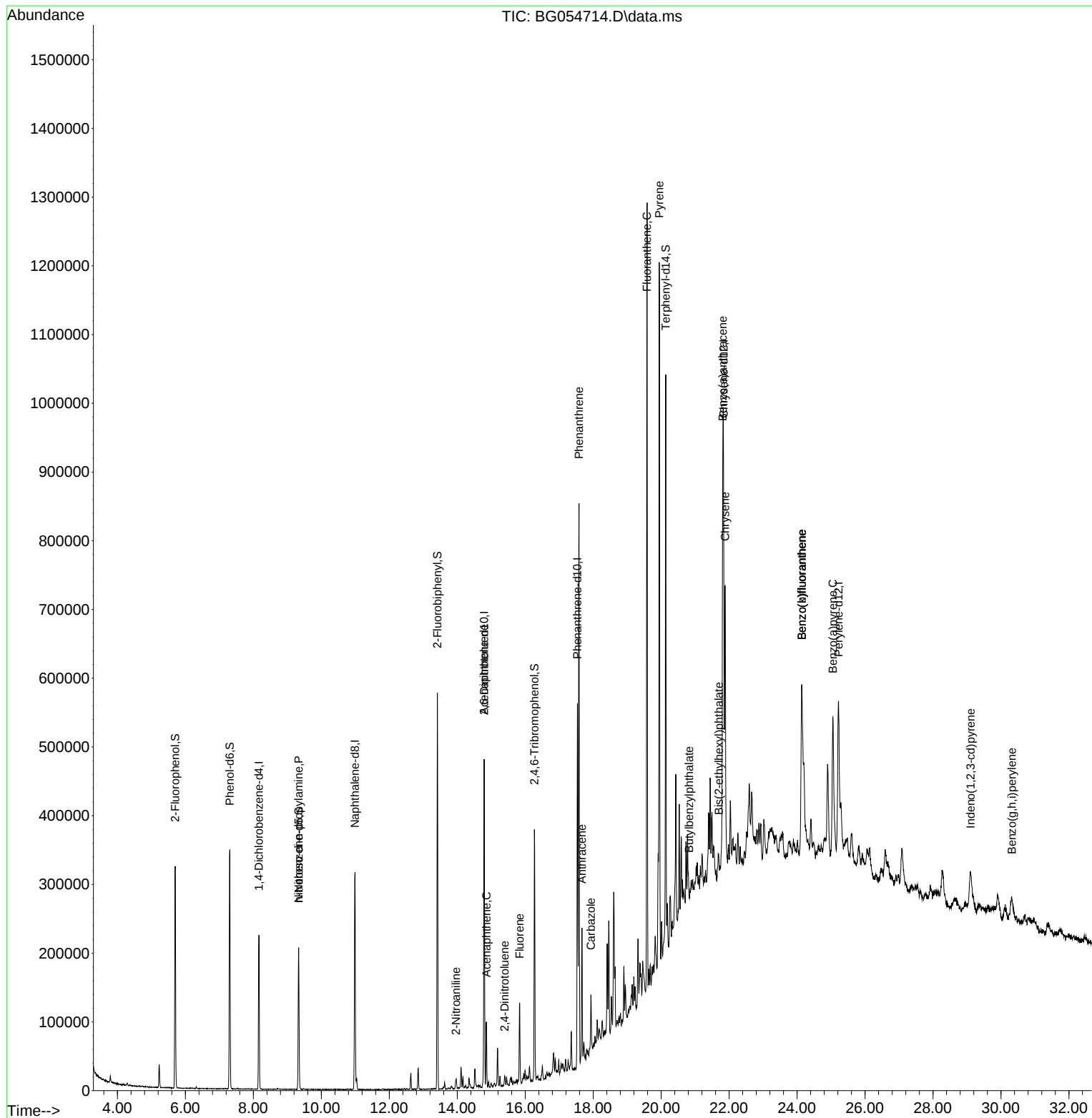
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	65261	20.000	ng	0.00
21) Naphthalene-d8	10.990	136	274950	20.000	ng	0.00
39) Acenaphthene-d10	14.791	164	170322	20.000	ng	0.00
64) Phenanthrene-d10	17.535	188	339726	20.000	ng	0.00
76) Chrysene-d12	21.836	240	297297	20.000	ng	0.00
86) Perylene-d12	25.220	264	289094	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	152851	44.136	ng	0.00
7) Phenol-d6	7.306	99	213385	43.973	ng	0.00
23) Nitrobenzene-d5	9.333	82	127766	26.482	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	66786	48.963	ng	0.00
45) 2-Fluorobiphenyl	13.416	172	302889	26.225	ng	0.00
79) Terphenyl-d14	20.138	244	404472	27.026	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.333	70	16550	4.847	ng	# 79
48) 2-Nitroaniline	13.963	65	60	3.590	ng	# 5
51) 2,6-Dinitrotoluene	14.791	165	23341	11.190	ng	# 23
52) Acenaphthene	14.856	154	34268	3.498	ng	100
57) 2,4-Dinitrotoluene	15.396	165	816	4.536	ng	# 39
58) Fluorene	15.837	166	54862	4.470	ng	99
71) Phenanthrene	17.582	178	509914	28.159	ng	99
72) Anthracene	17.670	178	126293	7.197	ng	98
73) Carbazole	17.935	167	50726	3.249	ng	99
75) Fluoranthene	19.586	202	712327	33.366	ng	100
78) Pyrene	19.944	202	663109	31.621	ng	99
80) Butylbenzylphthalate	20.825	149	222	5.181	ng	# 30
81) Benzo(a)anthracene	21.812	228	314029	15.553	ng	98
83) Chrysene	21.883	228	282937	14.725	ng	98
84) Bis(2-ethylhexyl)phtha...	21.701	149	1466	4.330	ng	# 50
87) Indeno(1,2,3-cd)pyrene	29.110	276	114105	5.289	ng	94
88) Benzo(b)fluoranthene	24.139	252	341492	19.024	ng	# 96
89) Benzo(k)fluoranthene	24.139	252	341492	18.435	ng	# 96
90) Benzo(a)pyrene	25.056	252	276157	17.924	ng	95
92) Benzo(g,h,i)perylene	30.320	276	107742	6.219	ng	# 93

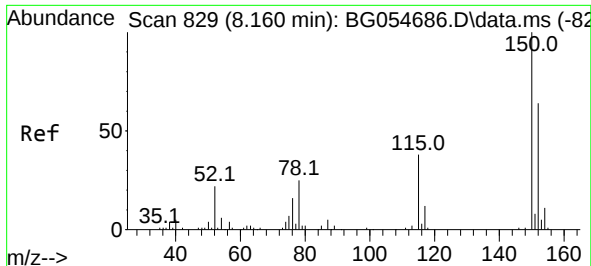
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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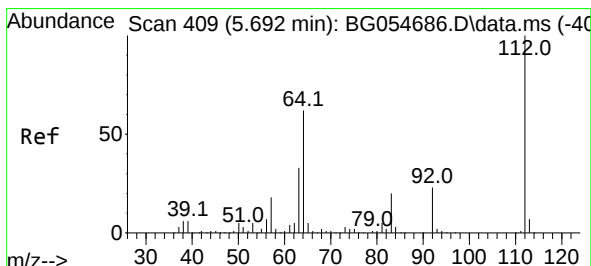
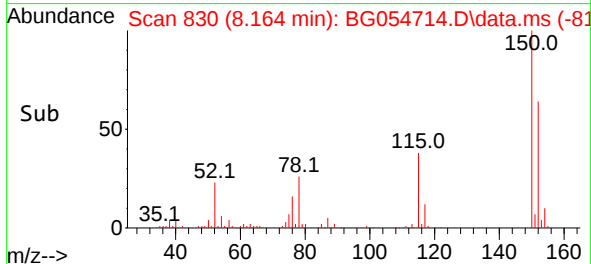
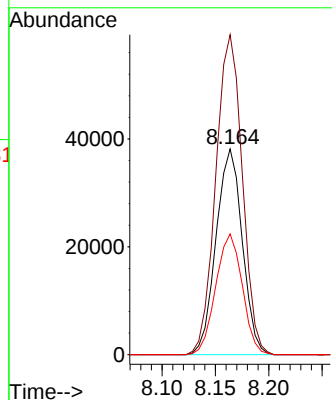
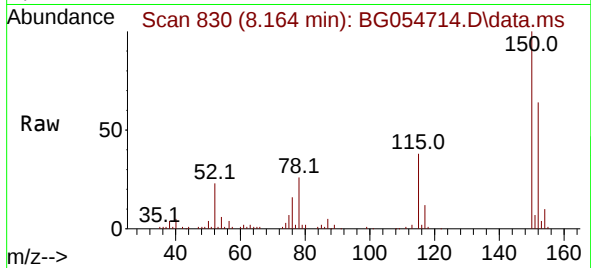




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

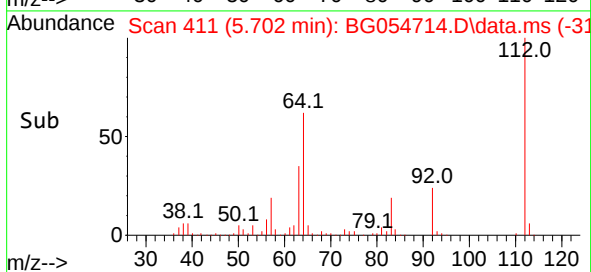
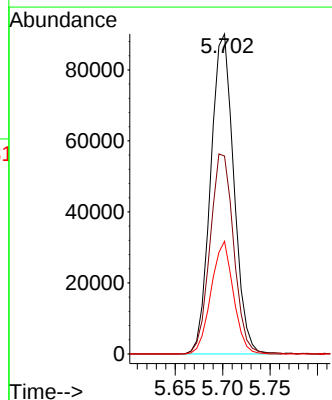
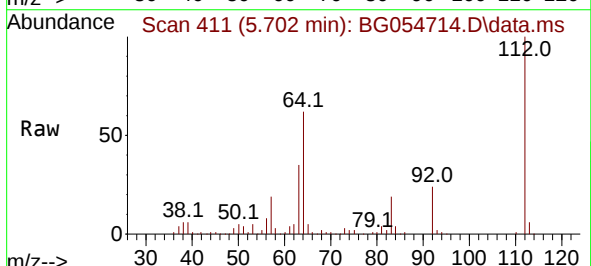
Instrument :
BNA_G
ClientSampleId :

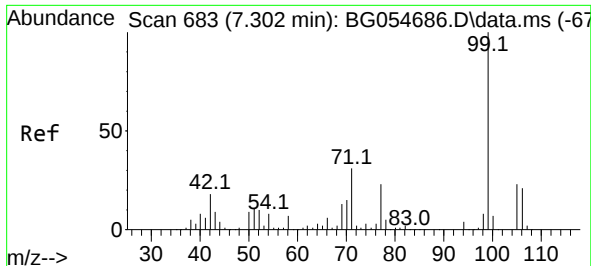
Tgt Ion:152 Resp: 65261
Ion Ratio Lower Upper
152 100
150 155.5 125.2 187.8
115 58.7 47.9 71.9



#5
2-Fluorophenol
Concen: 44.136 ng
RT: 5.702 min Scan# 411
Delta R.T. 0.010 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:112 Resp: 152851
Ion Ratio Lower Upper
112 100
64 61.9 49.3 73.9
63 35.2 26.3 39.5

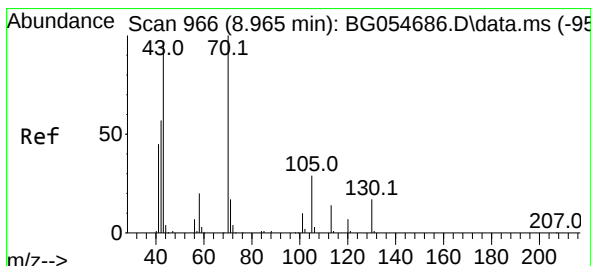
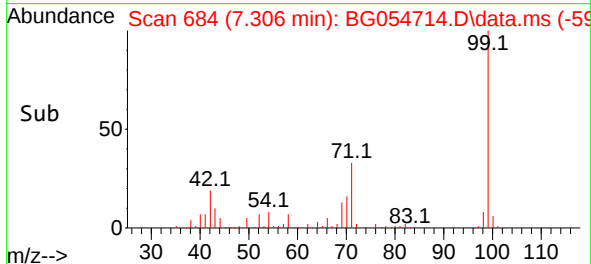
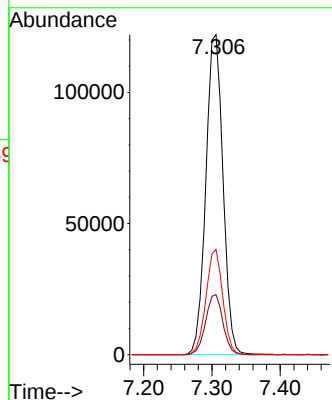
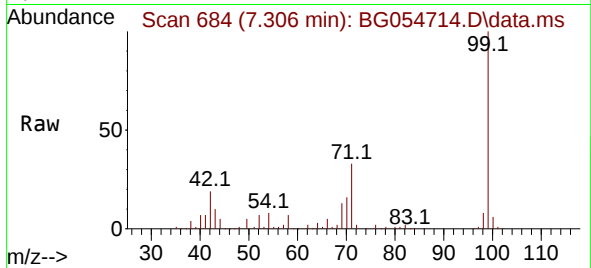




#7
Phenol-d6
Concen: 43.973 ng
RT: 7.306 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

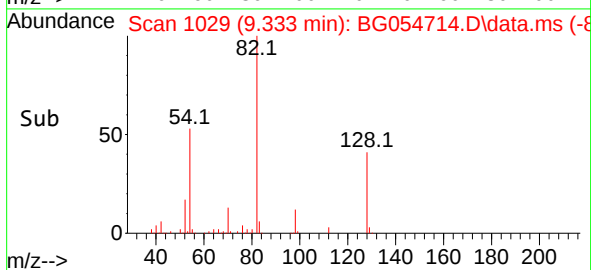
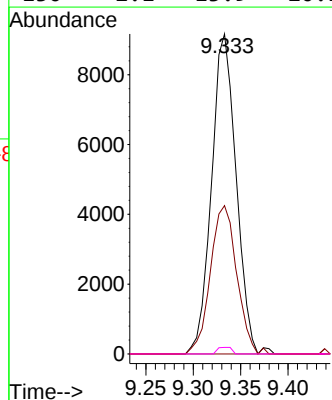
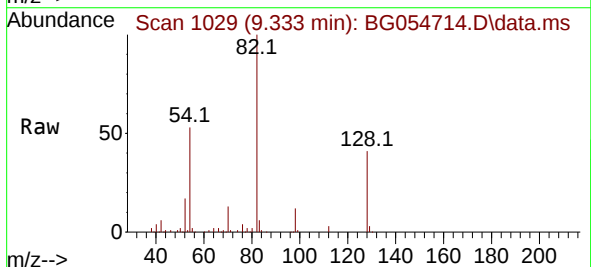
Instrument :
BNA_G
ClientSampleId :

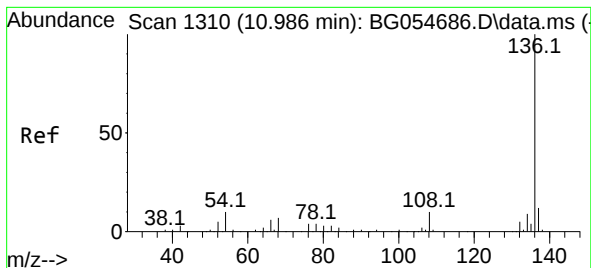
Tgt Ion: 99 Resp: 213385
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 32.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 4.847 ng
RT: 9.333 min Scan# 1029
Delta R.T. 0.368 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion: 70 Resp: 16550
Ion Ratio Lower Upper
70 100
42 46.4 46.6 69.8#
101 0.0 7.7 11.5#
130 2.1 13.9 20.9#

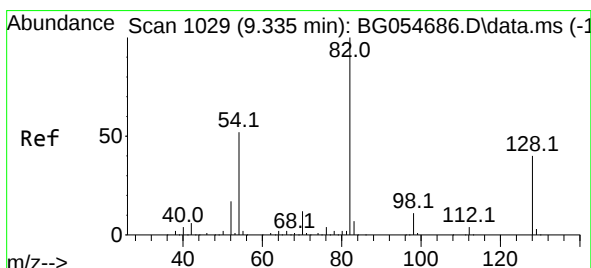
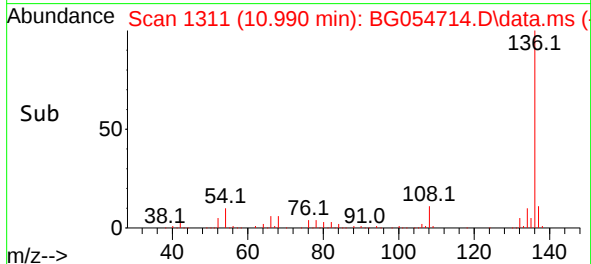
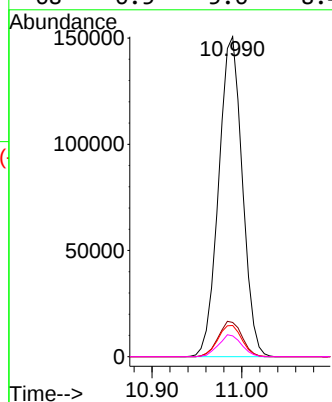
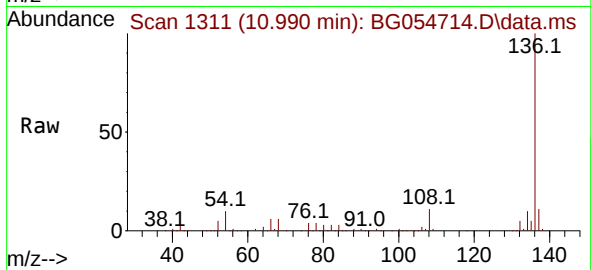




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.990 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

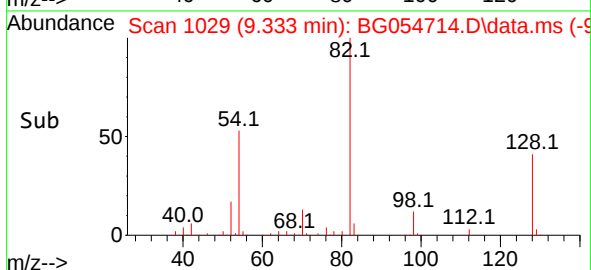
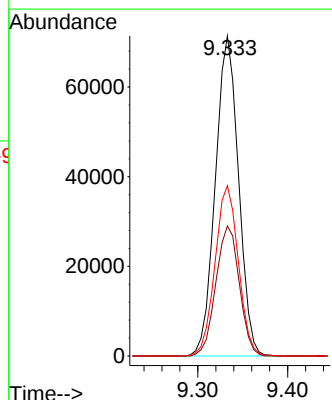
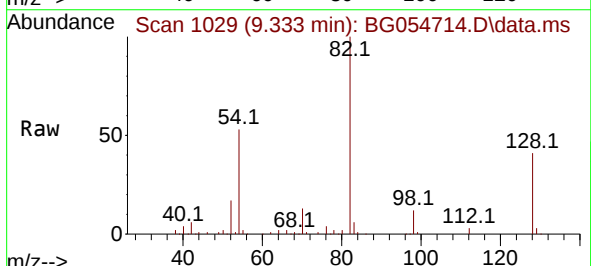
Instrument :
BNA_G
ClientSampleId :

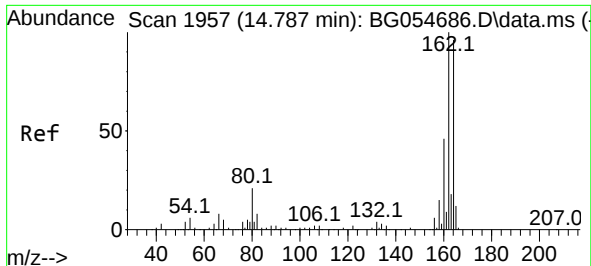
Tgt Ion:	136	Resp:	274950
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.2	13.8
54	9.8	7.7	11.5
68	6.5	5.6	8.4



#23
Nitrobenzene-d5
Concen: 26.482 ng
RT: 9.333 min Scan# 1029
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:	82	Resp:	127766
Ion Ratio	Lower	Upper	
82	100		
128	40.6	32.2	48.2
54	53.2	41.4	62.0

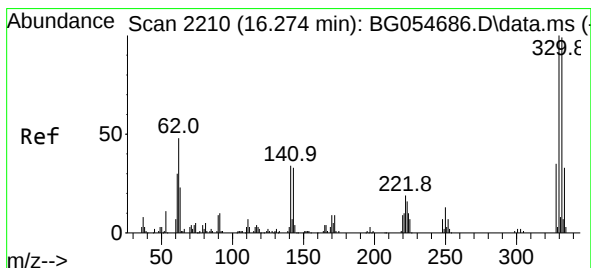
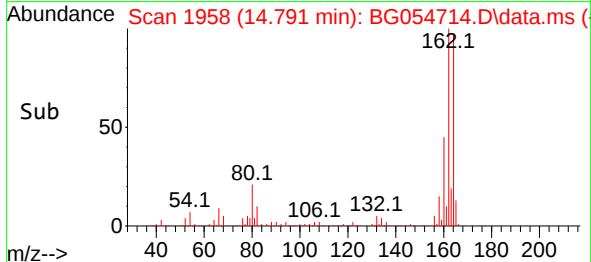
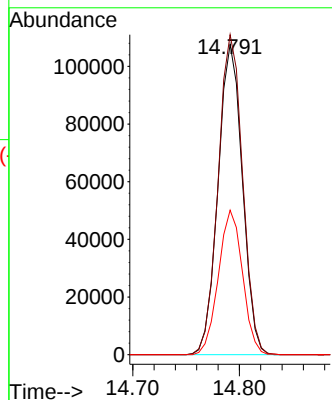
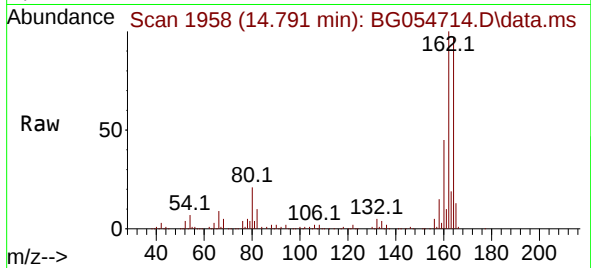




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.791 min Scan# 1957
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

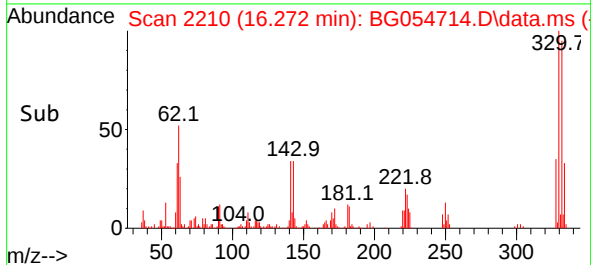
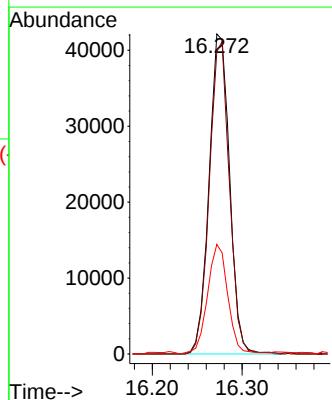
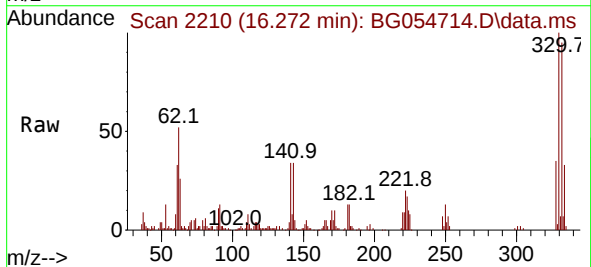
Instrument :
BNA_G
ClientSampleId :

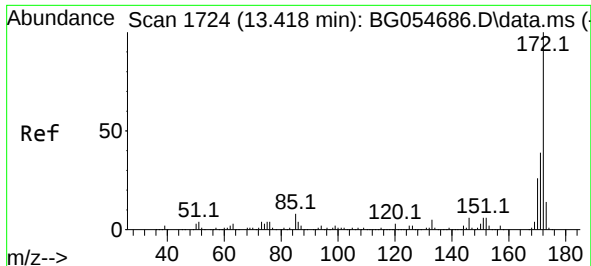
Tgt Ion:164 Resp: 170322
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.4
160 46.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 48.963 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:330 Resp: 66786
Ion Ratio Lower Upper
330 100
332 95.4 79.8 119.6
141 34.0 26.8 40.2

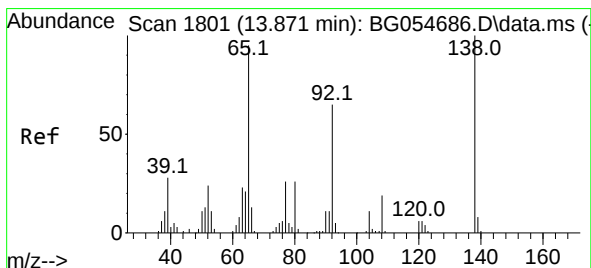
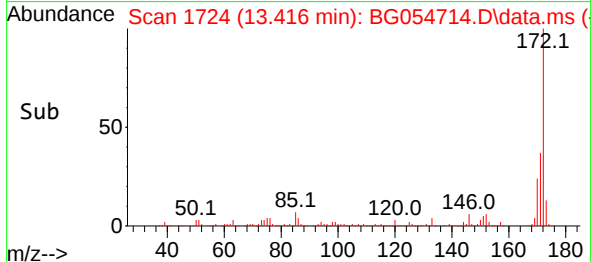
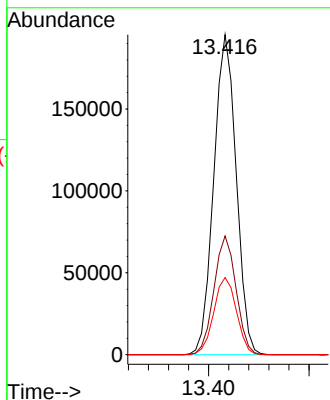
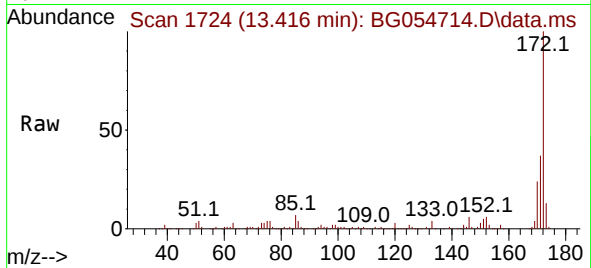




#45
2-Fluorobiphenyl
Concen: 26.225 ng
RT: 13.416 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

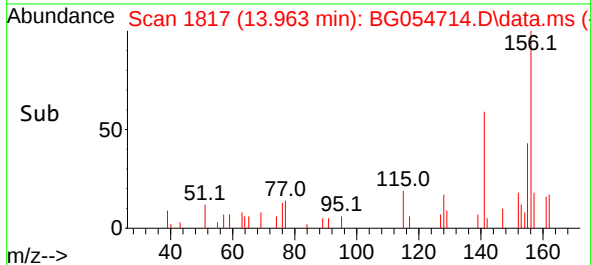
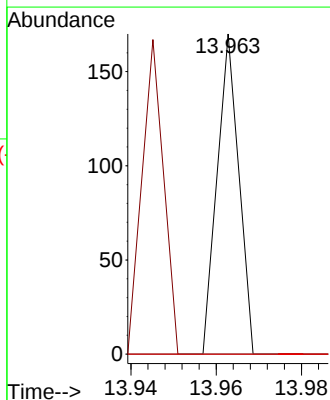
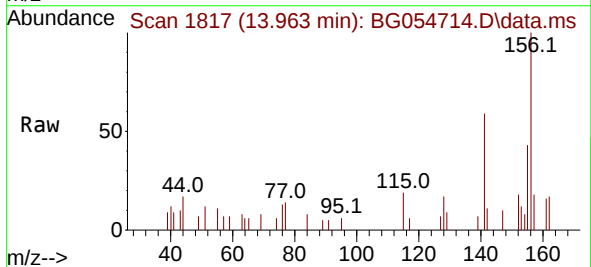
Instrument :
BNA_G
ClientSampleId :

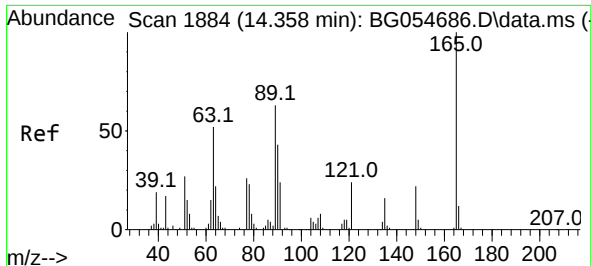
Tgt Ion:172 Resp: 302889
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 24.1 20.6 30.8



#48
2-Nitroaniline
Concen: 3.590 ng
RT: 13.963 min Scan# 1817
Delta R.T. 0.092 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 54.7 82.1#
138 0.0 84.1 126.1#

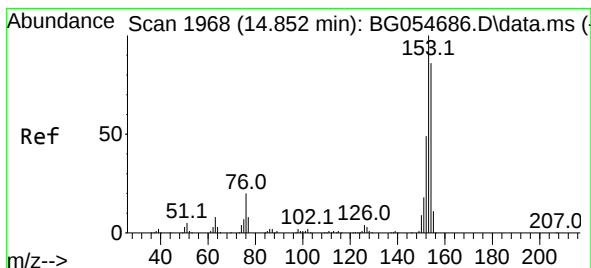
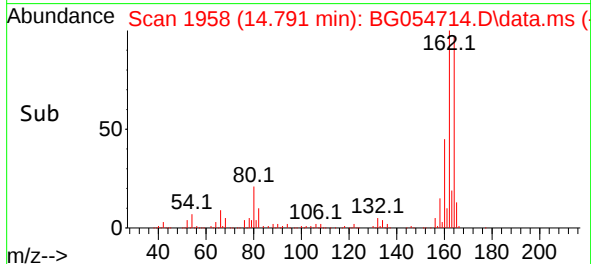
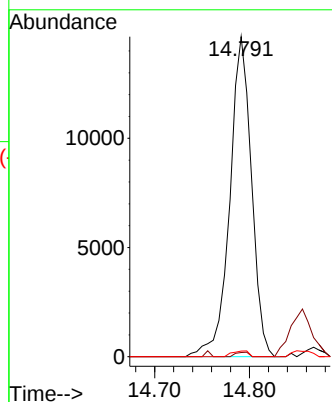
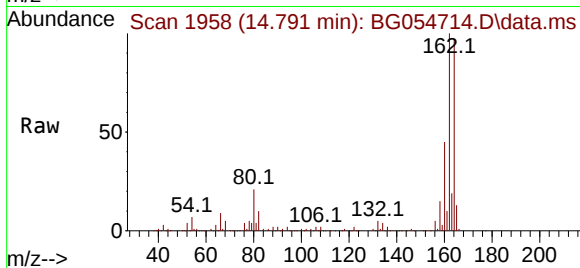




#51
2,6-Dinitrotoluene
Concen: 11.190 ng
RT: 14.791 min Scan# 1958
Delta R.T. 0.433 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

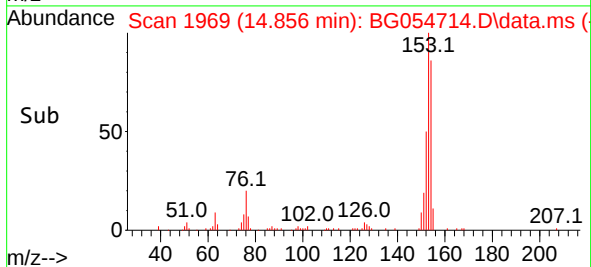
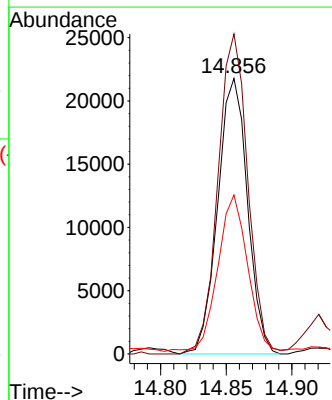
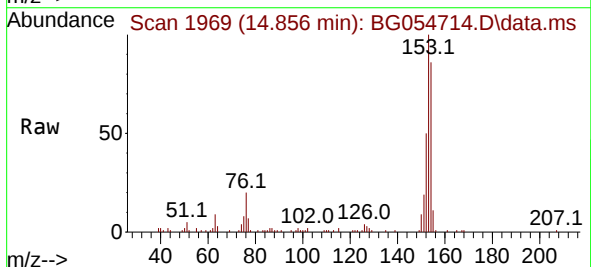
Instrument :
BNA_G
ClientSampleId :

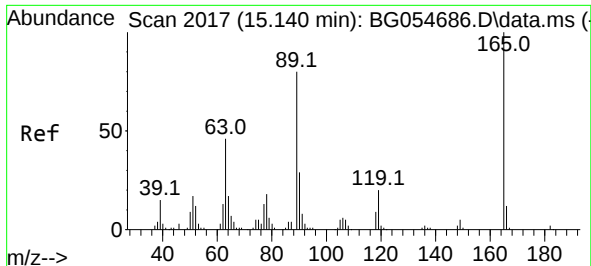
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	46.0	69.0#
89	1.8	50.3	75.5#



#52
Acenaphthene
Concen: 3.498 ng
RT: 14.856 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.8	139.2
152	57.7	45.4	68.2





#57

2,4-Dinitrotoluene

Concen: 4.536 ng

RT: 15.396 min Scan# 2017

Delta R.T. 0.256 min

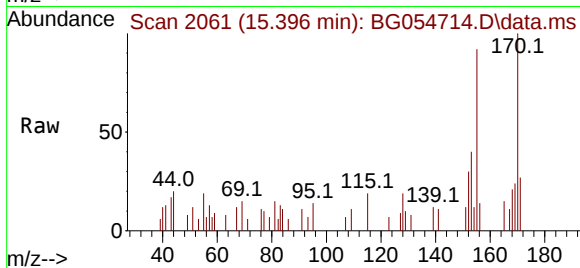
Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 816

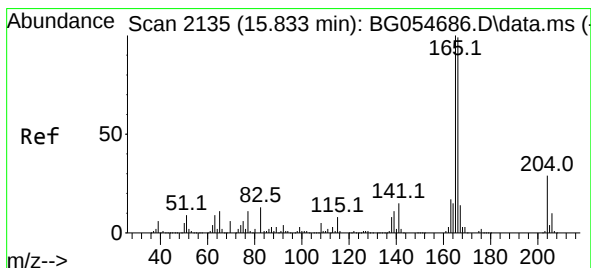
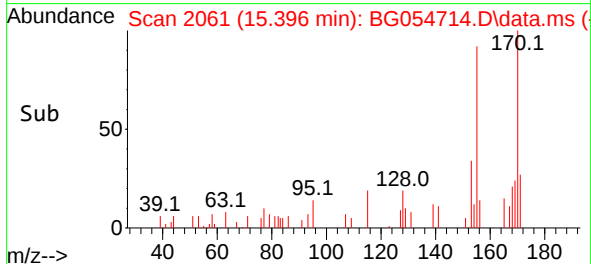
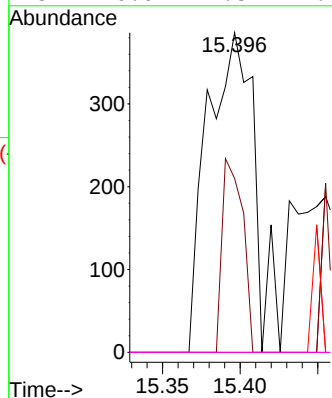
Ion Ratio Lower Upper

165 100

63 54.4 36.8 55.2

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 4.470 ng

RT: 15.837 min Scan# 2136

Delta R.T. 0.004 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

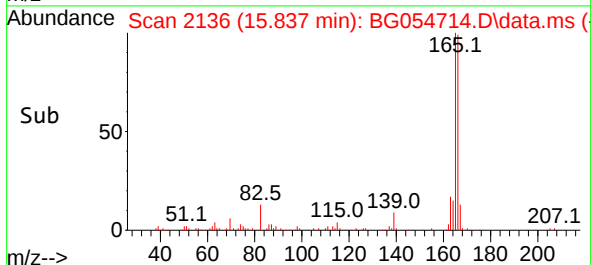
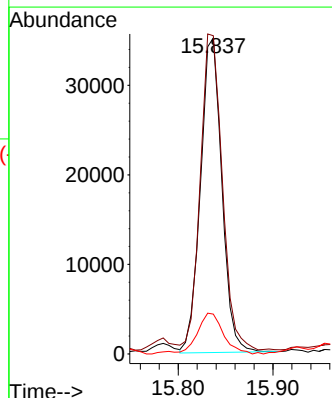
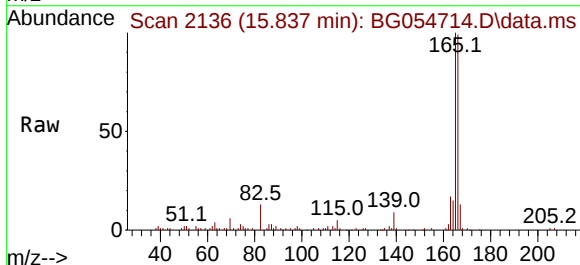
Tgt Ion:166 Resp: 54862

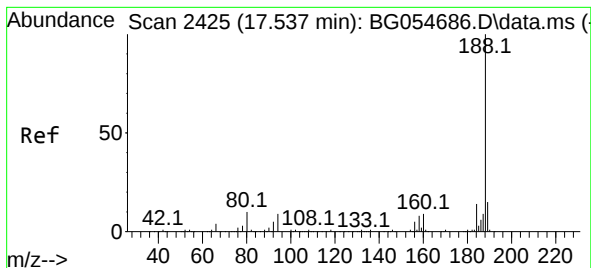
Ion Ratio Lower Upper

166 100

165 100.7 80.8 121.2

167 12.6 11.4 17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.535 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

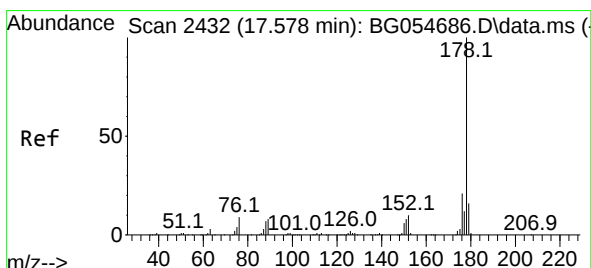
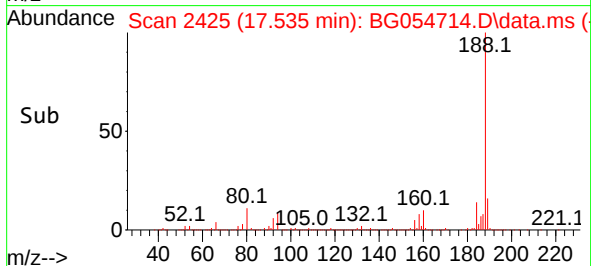
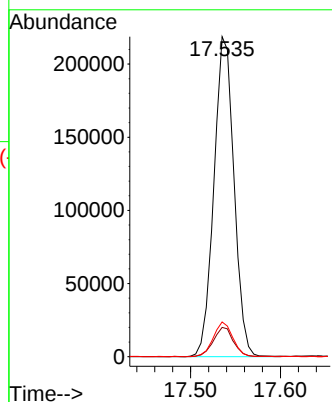
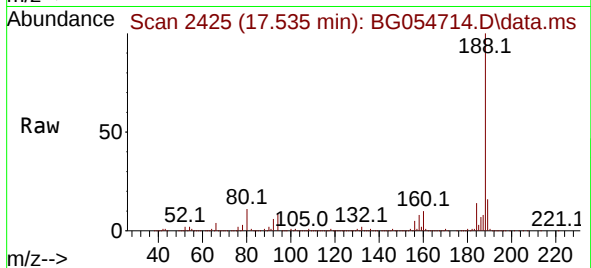
Tgt Ion:188 Resp: 339726

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 10.8 7.9 11.9



#71

Phenanthrene

Concen: 28.159 ng

RT: 17.582 min Scan# 2433

Delta R.T. 0.004 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

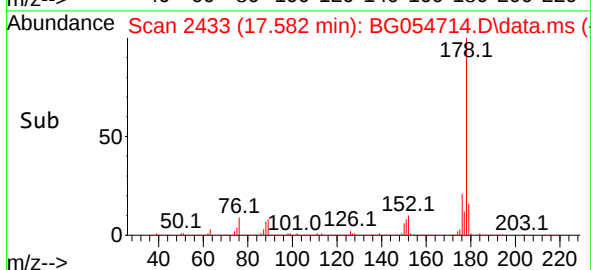
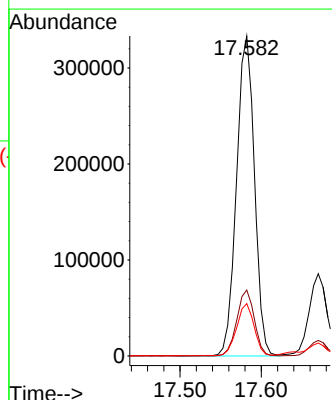
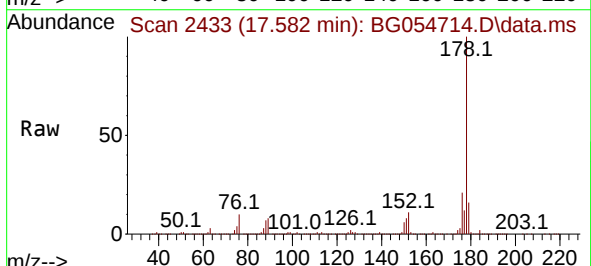
Tgt Ion:178 Resp: 509914

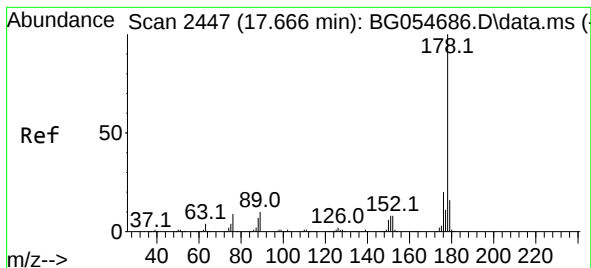
Ion Ratio Lower Upper

178 100

176 20.6 16.6 25.0

179 16.4 12.8 19.2





#72

Anthracene

Concen: 7.197 ng

RT: 17.670 min Scan# 2447

Delta R.T. 0.004 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

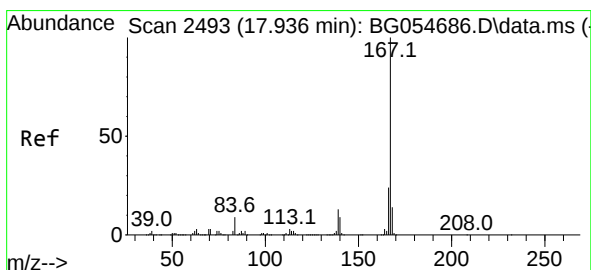
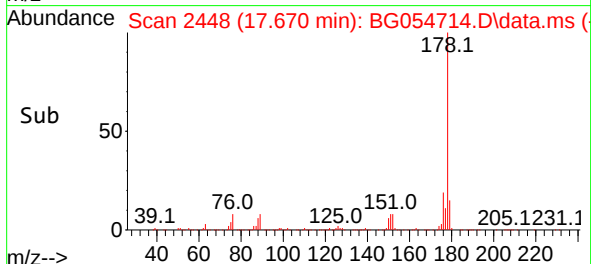
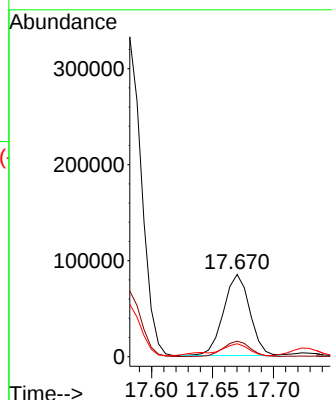
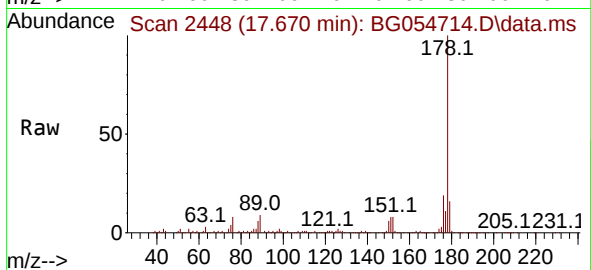
Tgt Ion:178 Resp: 126293

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

179 15.7 12.9 19.3



#73

Carbazole

Concen: 3.249 ng

RT: 17.935 min Scan# 2493

Delta R.T. -0.002 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

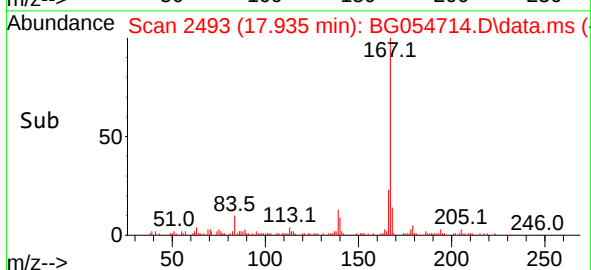
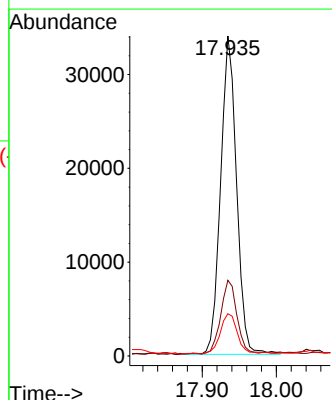
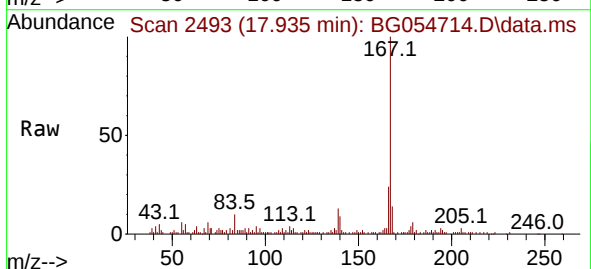
Tgt Ion:167 Resp: 50726

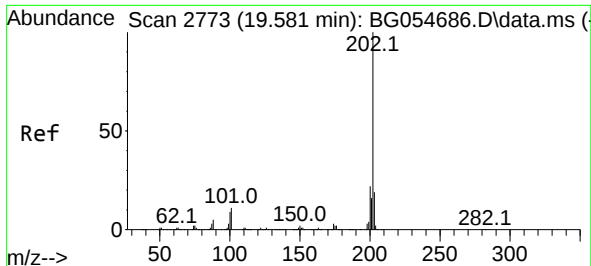
Ion Ratio Lower Upper

167 100

166 23.7 18.8 28.2

139 13.2 10.2 15.4

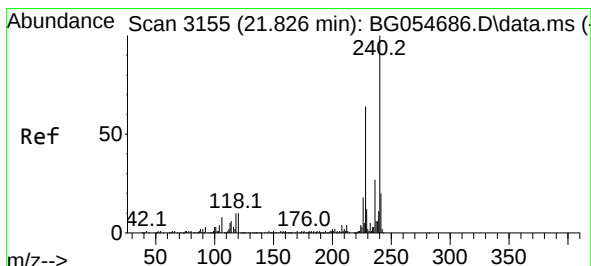
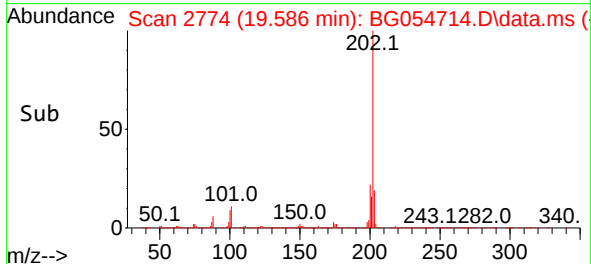
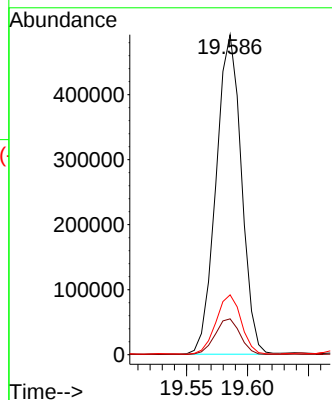
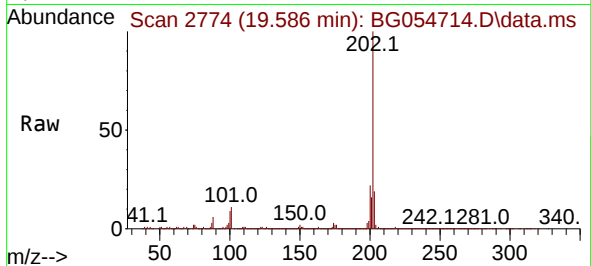




#75
Fluoranthene
Concen: 33.366 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

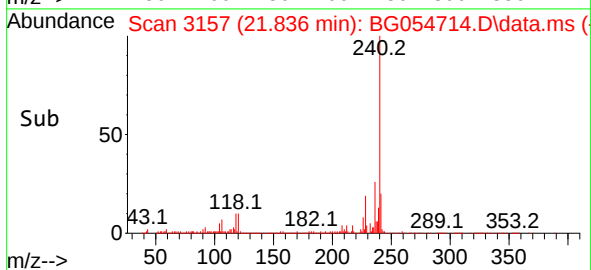
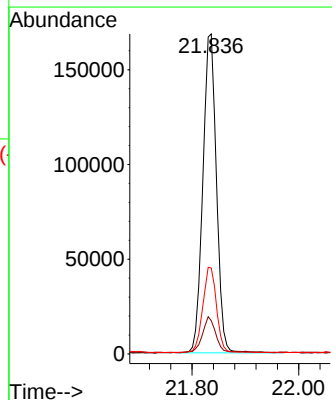
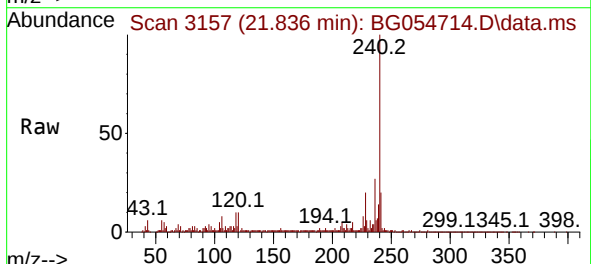
Instrument :
BNA_G
ClientSampleId :

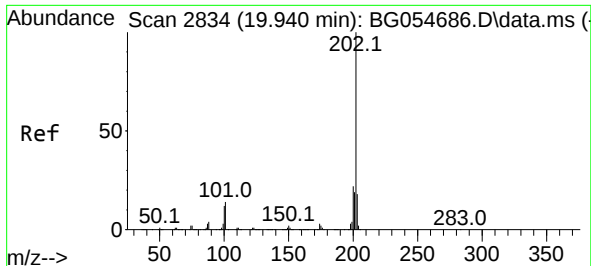
Tgt Ion:202 Resp: 712327
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 18.7 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.836 min Scan# 3157
Delta R.T. 0.010 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:240 Resp: 297297
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.4
236 26.9 21.2 31.8

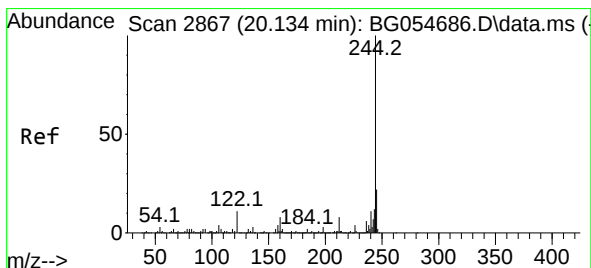
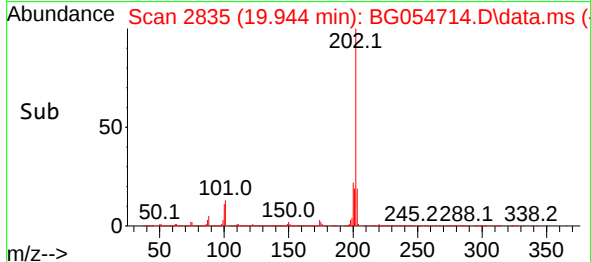
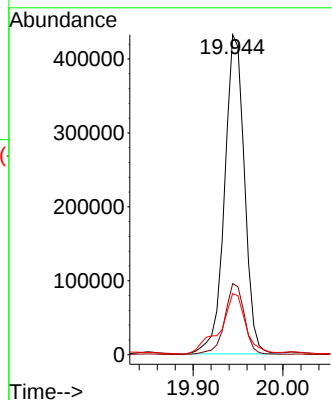
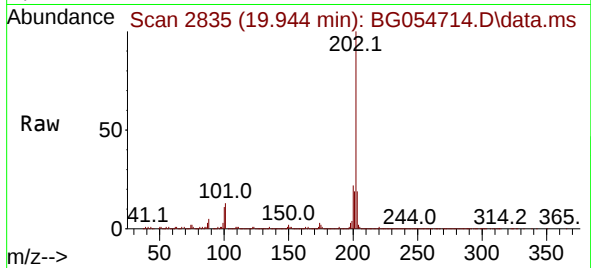




#78
 Pyrene
 Concen: 31.621 ng
 RT: 19.944 min Scan# 2835
 Delta R.T. 0.004 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46

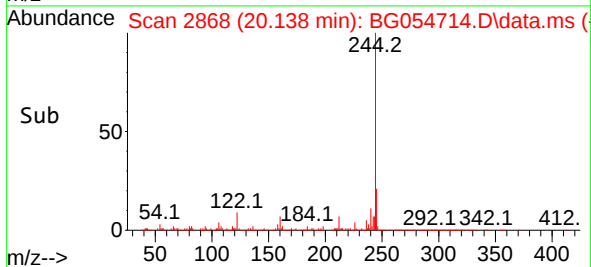
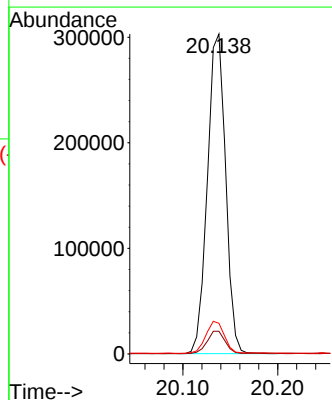
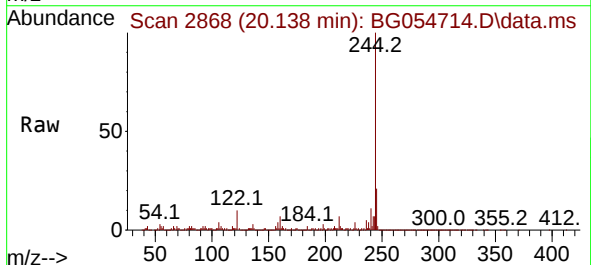
Instrument :
 BNA_G
 ClientSampleId :

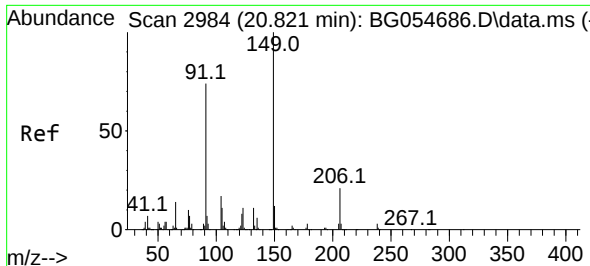
Tgt Ion:202 Resp: 663109
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.8 26.6
 203 19.1 14.6 21.8



#79
 Terphenyl-d14
 Concen: 27.026 ng
 RT: 20.138 min Scan# 2868
 Delta R.T. 0.004 min
 Lab File: BG054714.D
 Acq: 23 Aug 2022 19:46

Tgt Ion:244 Resp: 404472
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.6 9.0 13.6

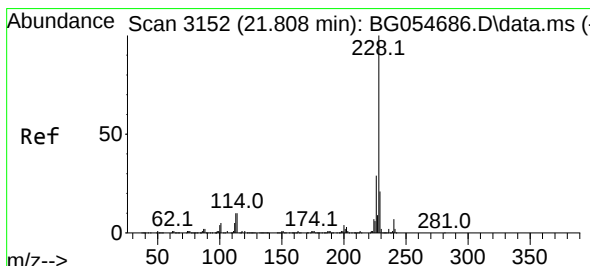
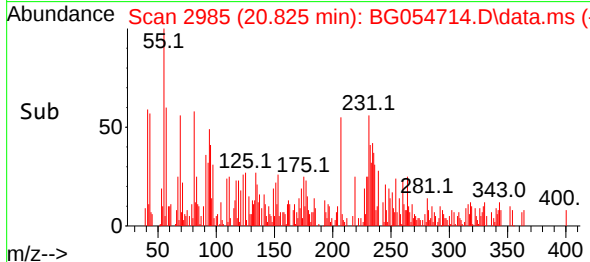
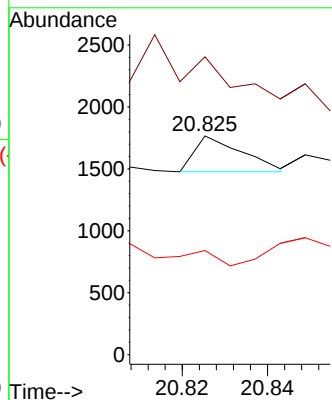
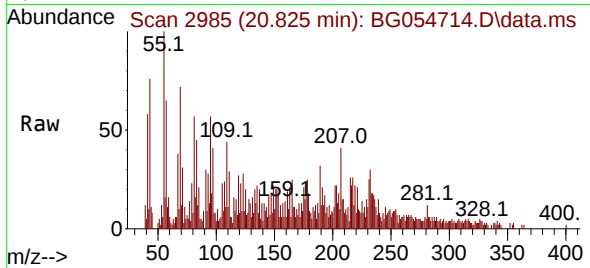




#80
Butylbenzylphthalate
Concen: 5.181 ng
RT: 20.825 min Scan# 2984
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

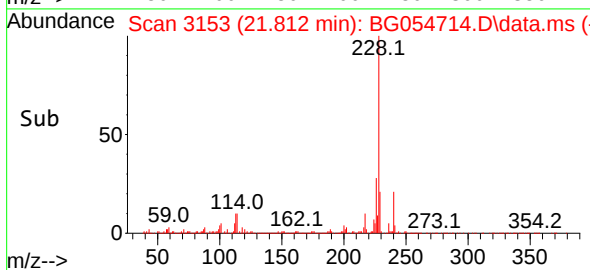
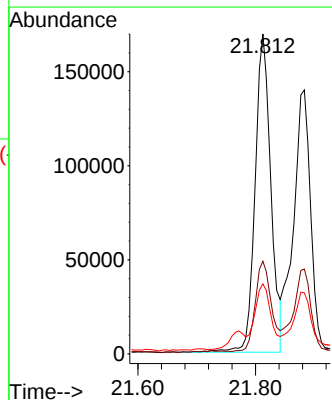
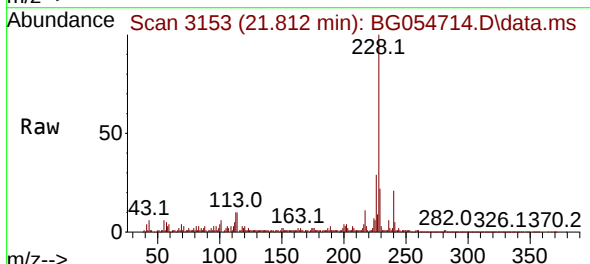
Instrument :
BNA_G
ClientSampleId :

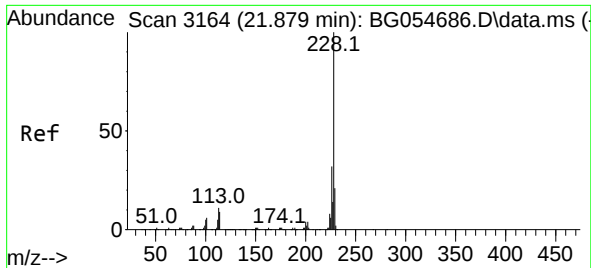
Tgt Ion:149 Resp: 222
Ion Ratio Lower Upper
149 100
91 136.2 59.5 89.3#
206 47.6 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 15.553 ng
RT: 21.812 min Scan# 3153
Delta R.T. 0.004 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:228 Resp: 314029
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 21.9 16.5 24.7





#83

Chrysene

Concen: 14.725 ng

RT: 21.883 min Scan# 3165

Delta R.T. 0.004 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

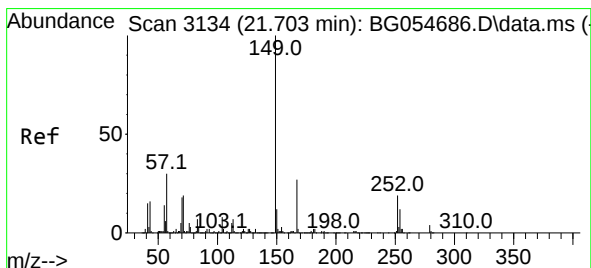
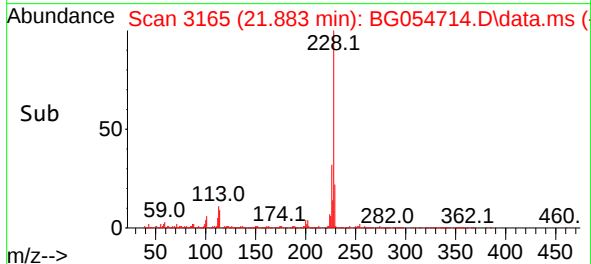
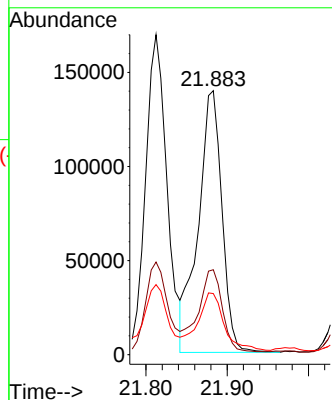
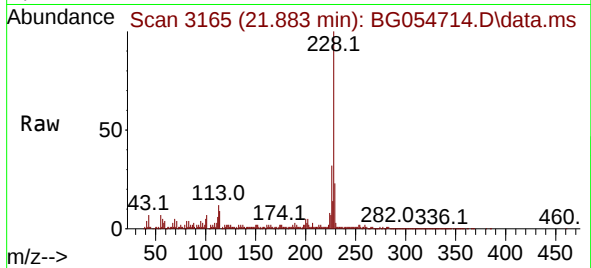
Tgt Ion:228 Resp: 282937

Ion Ratio Lower Upper

228 100

226 32.2 25.5 38.3

229 23.2 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.330 ng

RT: 21.701 min Scan# 3134

Delta R.T. -0.002 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

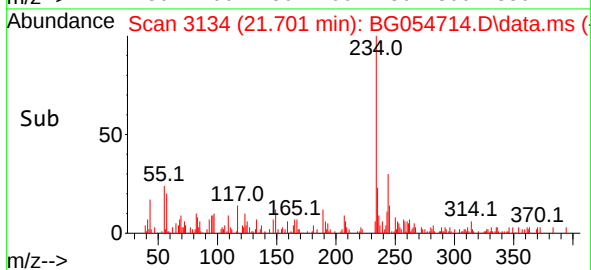
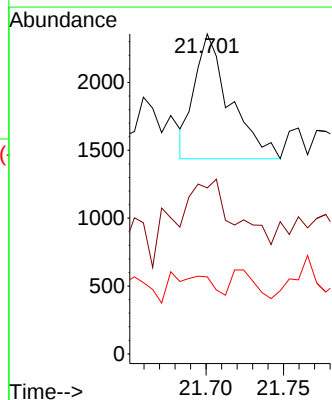
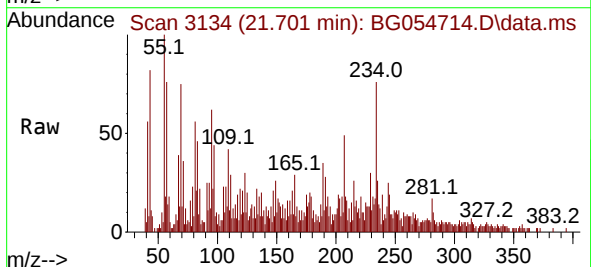
Tgt Ion:149 Resp: 1466

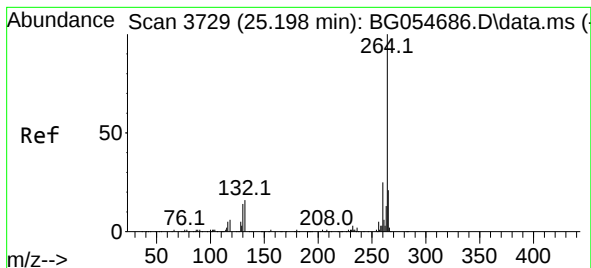
Ion Ratio Lower Upper

149 100

167 51.9 21.4 32.0#

279 24.1 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.220 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG054714.D

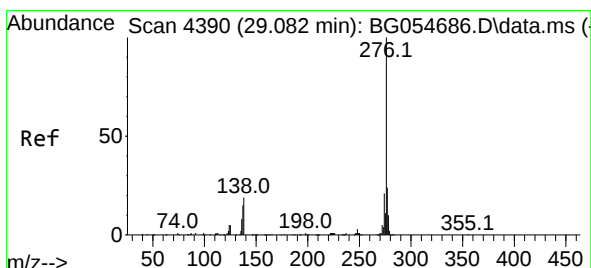
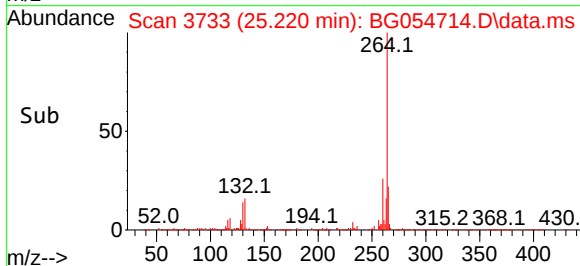
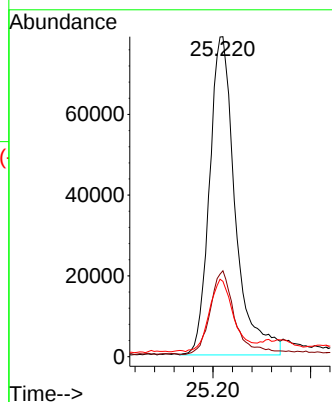
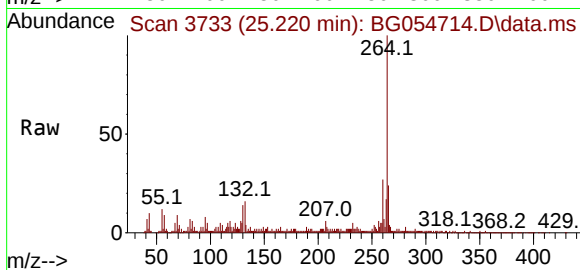
Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	264	Resp:	289094
Ion Ratio	Lower	Upper	
264	100		
260	26.9	19.9	29.9
265	23.6	16.9	25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.289 ng

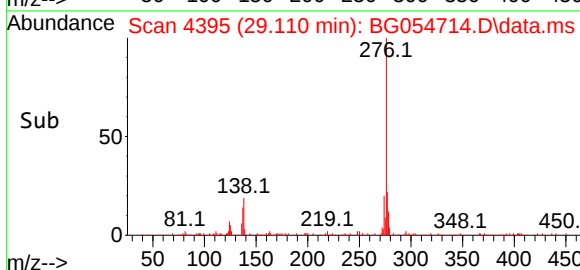
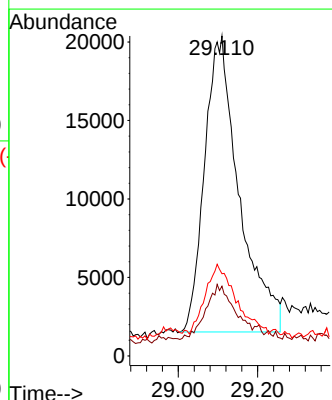
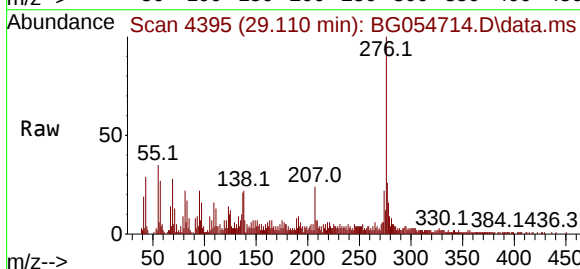
RT: 29.110 min Scan# 4395

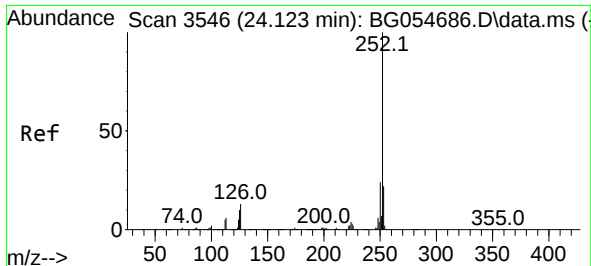
Delta R.T. 0.028 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Tgt Ion:	276	Resp:	114105
Ion Ratio	Lower	Upper	
276	100		
138	15.6	12.0	18.0
277	20.6	20.2	30.4

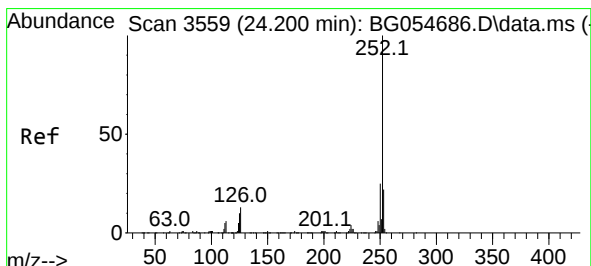
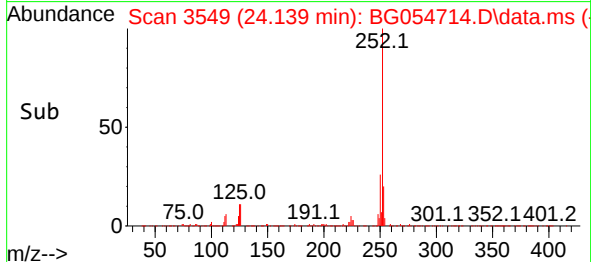
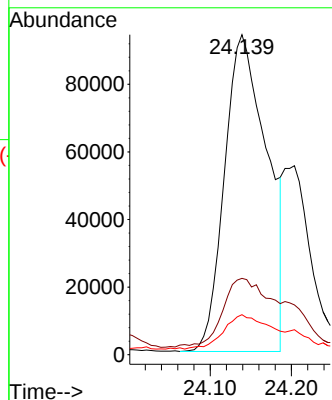
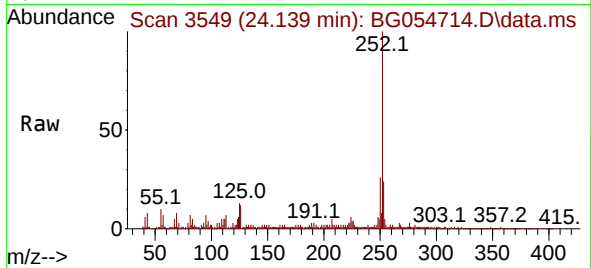




#88
Benzo(b)fluoranthene
Concen: 19.024 ng
RT: 24.139 min Scan# 3549
Delta R.T. 0.016 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

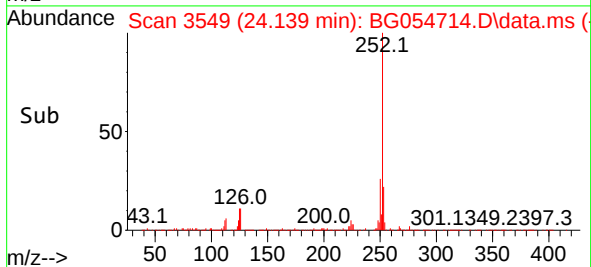
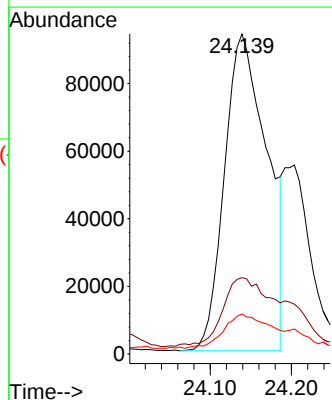
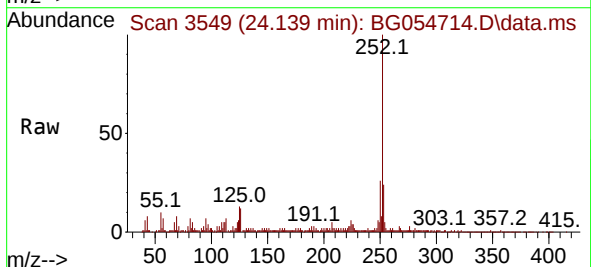
Instrument :
BNA_G
ClientSampleId :

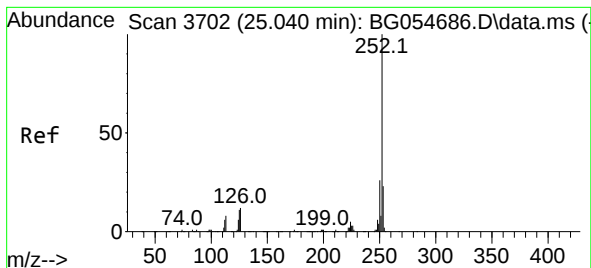
Tgt Ion:252 Resp: 341492
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 12.5 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 18.435 ng
RT: 24.139 min Scan# 3549
Delta R.T. -0.061 min
Lab File: BG054714.D
Acq: 23 Aug 2022 19:46

Tgt Ion:252 Resp: 341492
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 12.5 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 17.924 ng

RT: 25.056 min Scan# 31

Delta R.T. 0.016 min

Lab File: BG054714.D

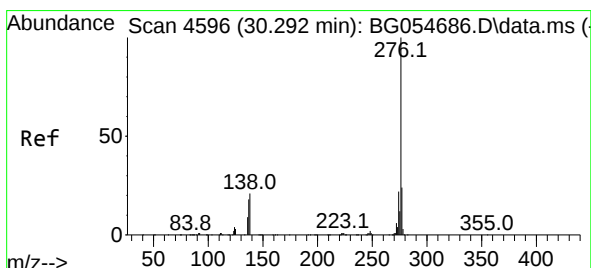
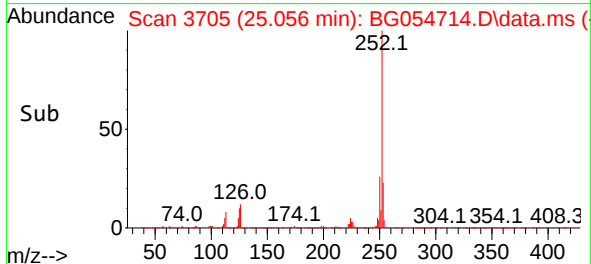
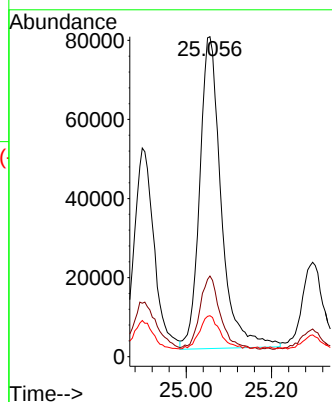
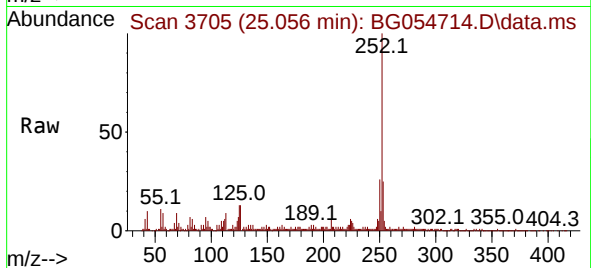
Acq: 23 Aug 2022 19:46

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:252	Resp:	276157
Ion Ratio	Lower	Upper
252	100	
253	25.2	18.3 27.5
125	12.8	8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 6.219 ng

RT: 30.320 min Scan# 4601

Delta R.T. 0.028 min

Lab File: BG054714.D

Acq: 23 Aug 2022 19:46

Tgt Ion:276	Resp:	107742
Ion Ratio	Lower	Upper
276	100	
277	29.9	19.4 29.0#
138	21.7	16.6 25.0

