

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054713.D
 Acq On : 23 Aug 2022 19:03
 Operator : CG/JU
 Sample : N4140-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 01:51:40 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)

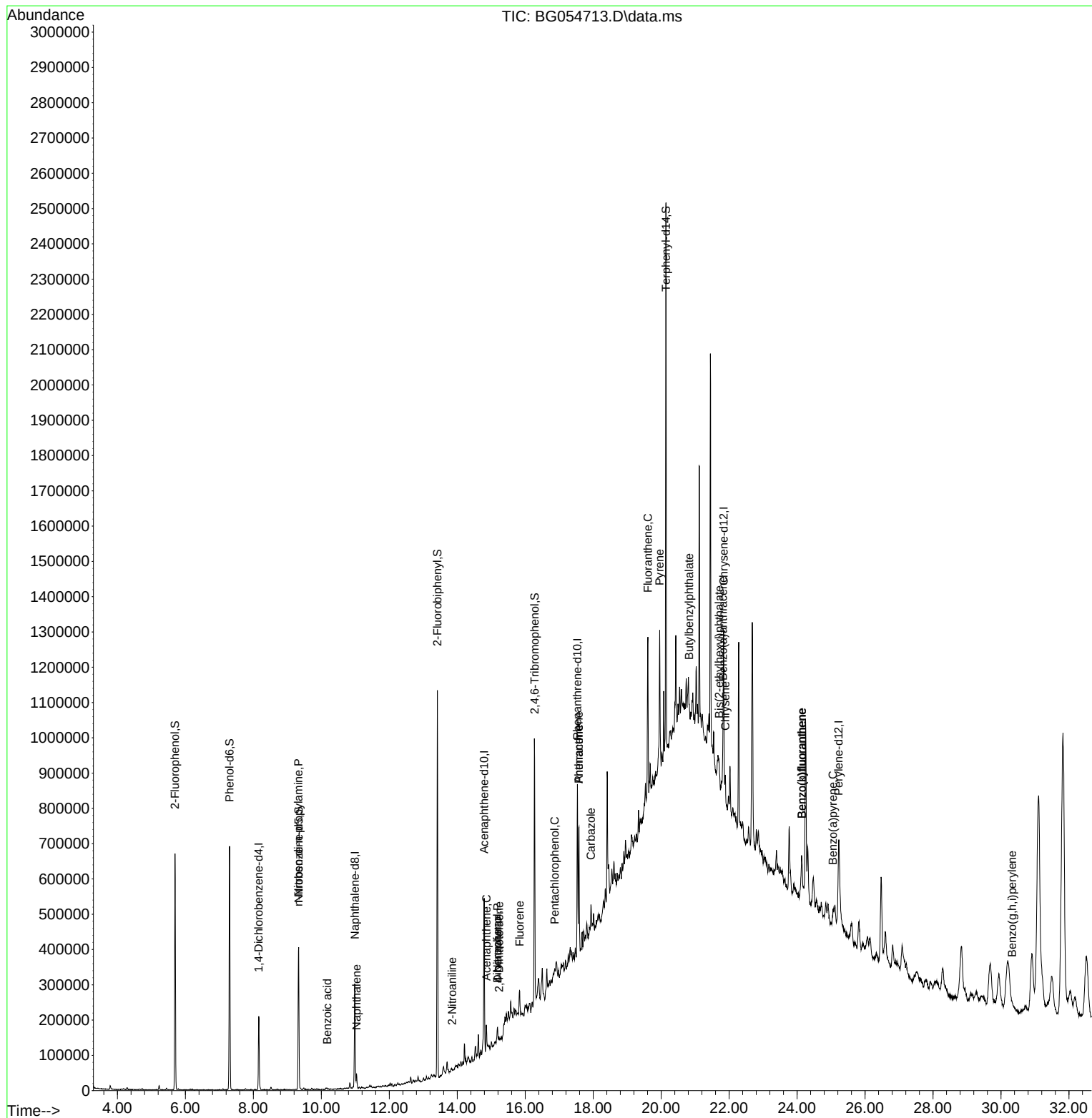
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	60874	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	253927	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	153983	20.000	ng	0.00
64) Phenanthrene-d10	17.535	188	298195	20.000	ng	0.00
76) Chrysene-d12	21.836	240	270686	20.000	ng	0.01
86) Perylene-d12	25.226	264	283722	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	302676	93.696	ng	0.00
7) Phenol-d6	7.300	99	410212	90.626	ng	0.00
23) Nitrobenzene-d5	9.333	82	253212	56.828	ng	0.00
42) 2,4,6-Tribromophenol	16.278	330	146505	118.805	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	566428	54.247	ng	0.00
79) Terphenyl-d14	20.144	244	733886	53.857	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.327	70	32403	10.175	ng	# 83
31) Naphthalene	11.037	128	32870	2.405	ng	99
32) Benzoic acid	10.173	122	707	3.528	ng	93
48) 2-Nitroaniline	13.851	65	125	3.620	ng	# 48
52) Acenaphthene	14.856	154	27525	3.108	ng	97
55) Dibenzofuran	15.185	168	27213	2.027	ng	98
56) 4-Nitrophenol	15.185	139	10422	6.448	ng	# 45
57) 2,4-Dinitrotoluene	15.232	165	845	4.571	ng	# 48
58) Fluorene	15.837	166	26770	2.412	ng	99
70) Pentachlorophenol	16.866	266	315	7.267	ng	# 19
71) Phenanthrene	17.577	178	234836	14.775	ng	99
72) Anthracene	17.577	178	234836	15.247	ng	99
73) Carbazole	17.935	167	29908	2.183	ng	# 86
75) Fluoranthene	19.609	202	299289	15.971	ng	99
78) Pyrene	19.956	202	244146	12.787	ng	98
80) Butylbenzylphthalate	20.826	149	3896	5.706	ng	# 41
81) Benzo(a)anthracene	21.819	228	73834	4.016	ng	# 86
83) Chrysene	21.889	228	75828	4.334	ng	# 89
84) Bis(2-ethylhexyl)phtha...	21.707	149	14352	5.575	ng	# 84
88) Benzo(b)fluoranthene	24.145	252	75910	4.309	ng	# 80
89) Benzo(k)fluoranthene	24.145	252	75910	4.175	ng	# 80
90) Benzo(a)pyrene	25.056	252	49045	3.244	ng	# 81
92) Benzo(g,h,i)perylene	30.326	276	34814	2.047	ng	# 91

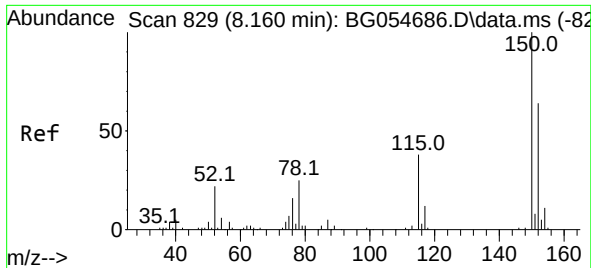
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
Data File : BG054713.D
Acq On : 23 Aug 2022 19:03
Operator : CG/JU
Sample : N4140-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

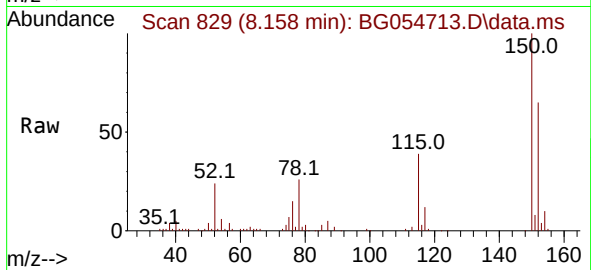
Quant Time: Aug 24 01:51:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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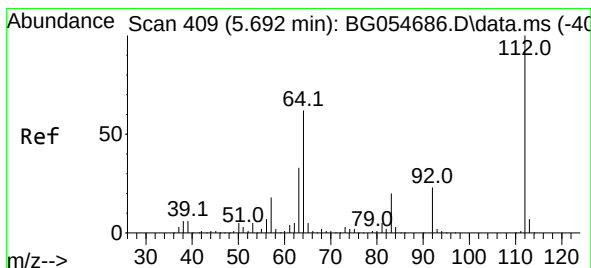
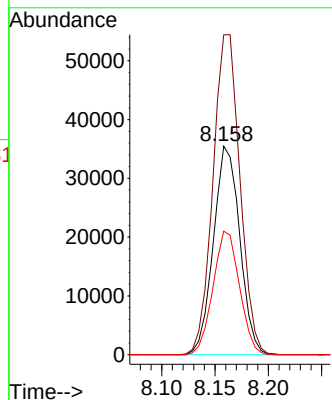
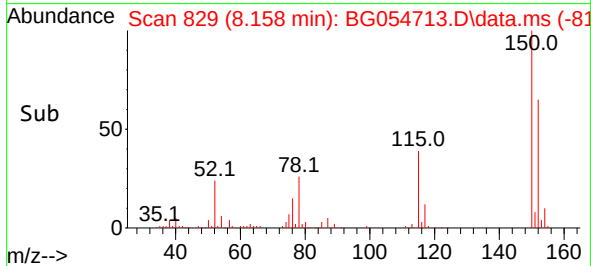


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.158 min Scan# 81
 Delta R.T. -0.002 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

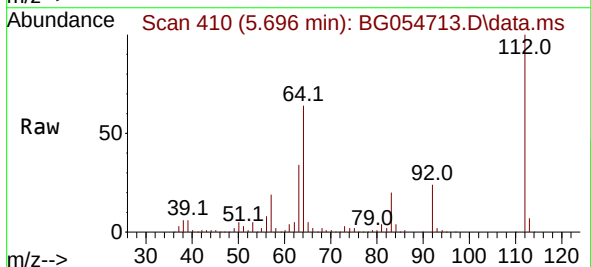
Instrument :
 BNA_G
 ClientSampleId :



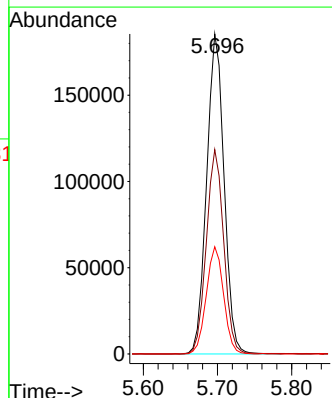
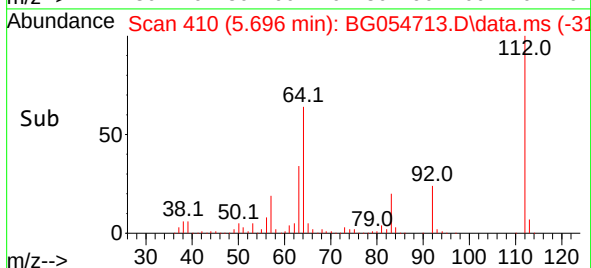
Tgt Ion:152 Resp: 60874
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.2 187.8
 115 59.2 47.9 71.9

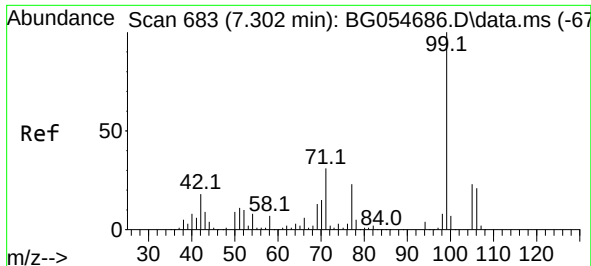


#5
 2-Fluorophenol
 Concen: 93.696 ng
 RT: 5.696 min Scan# 410
 Delta R.T. 0.004 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03



Tgt Ion:112 Resp: 302676
 Ion Ratio Lower Upper
 112 100
 64 63.9 49.3 73.9
 63 33.5 26.3 39.5

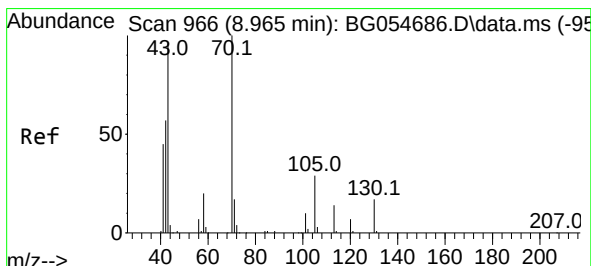
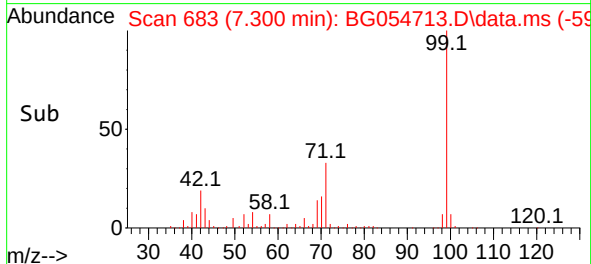
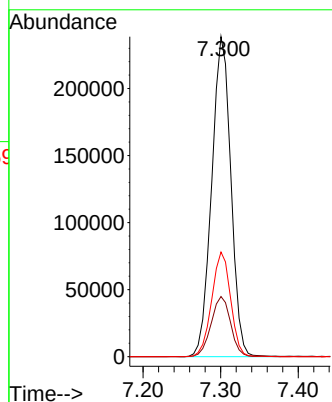
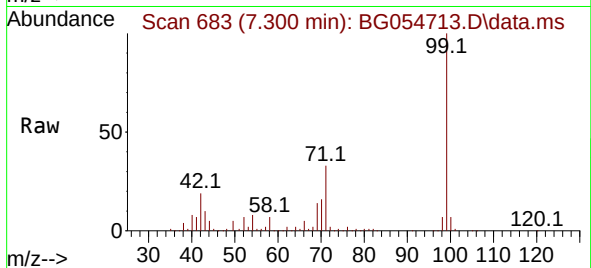




#7
Phenol-d6
Concen: 90.626 ng
RT: 7.300 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

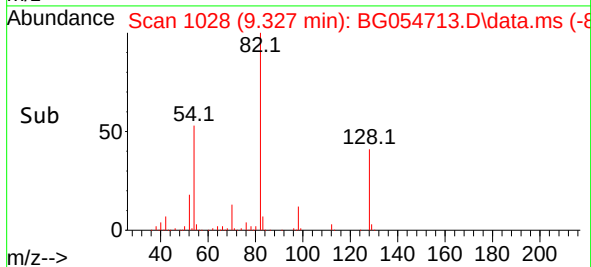
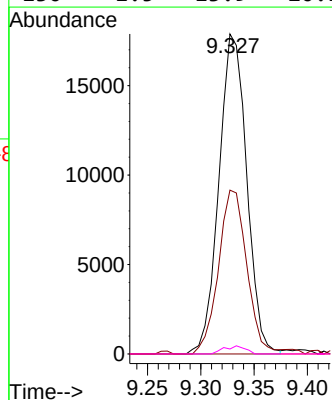
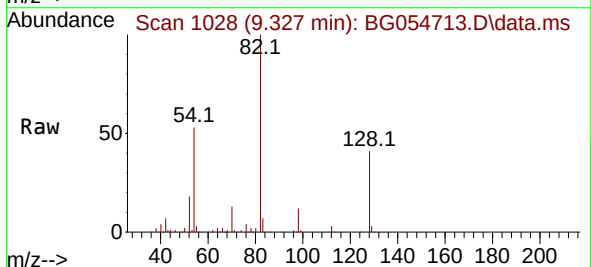
Instrument :
BNA_G
ClientSampleId :

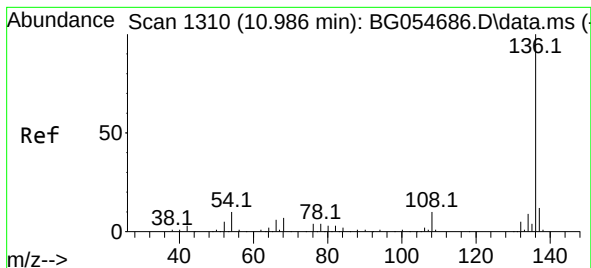
Tgt Ion: 99 Resp: 410212
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 32.7 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.175 ng
RT: 9.327 min Scan# 1028
Delta R.T. 0.363 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion: 70 Resp: 32403
Ion Ratio Lower Upper
70 100
42 51.2 46.6 69.8
101 0.0 7.7 11.5#
130 1.5 13.9 20.9#

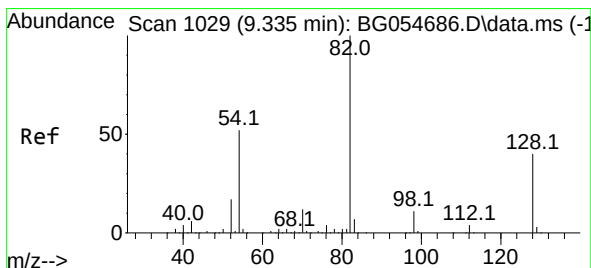
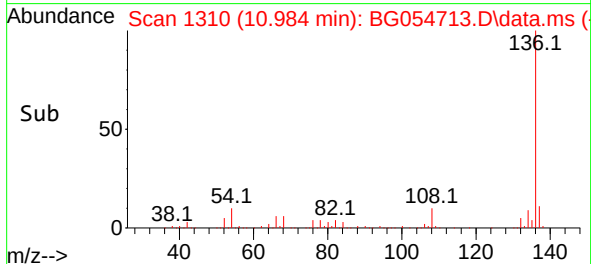
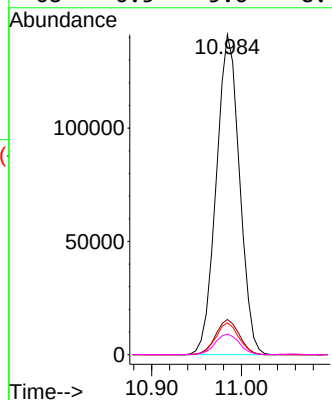
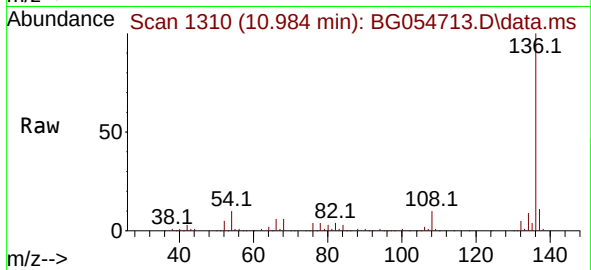




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

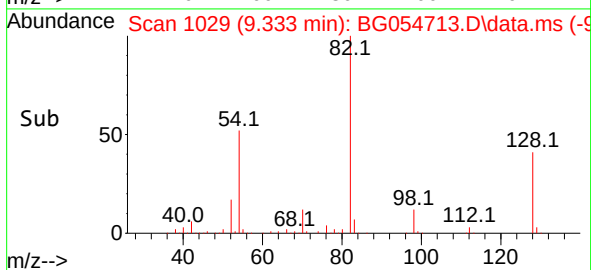
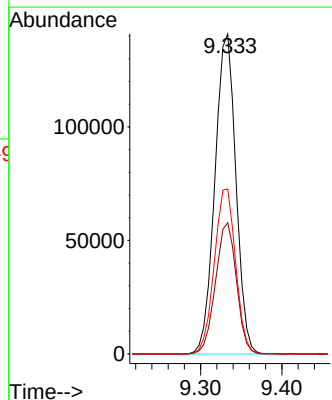
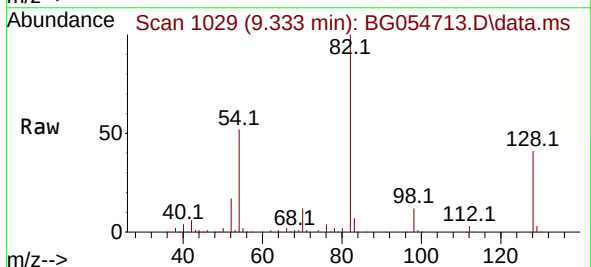
Instrument :
BNA_G
ClientSampleId :

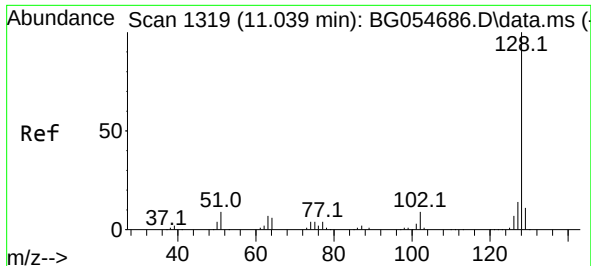
Tgt Ion:	136	Resp:	253927
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.2	13.8
54	9.9	7.7	11.5
68	6.5	5.6	8.4



#23
Nitrobenzene-d5
Concen: 56.828 ng
RT: 9.333 min Scan# 1029
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:	82	Resp:	253212
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.2	48.2
54	51.6	41.4	62.0

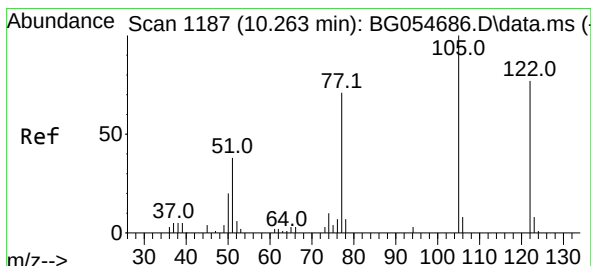
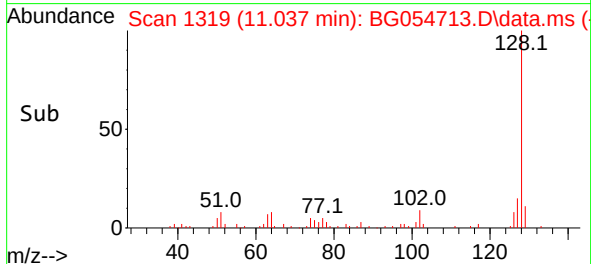
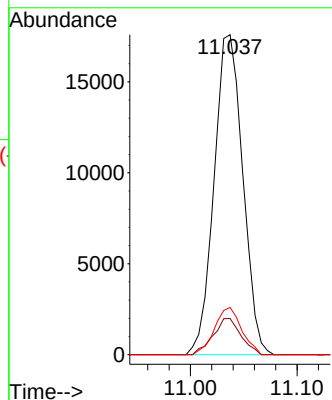
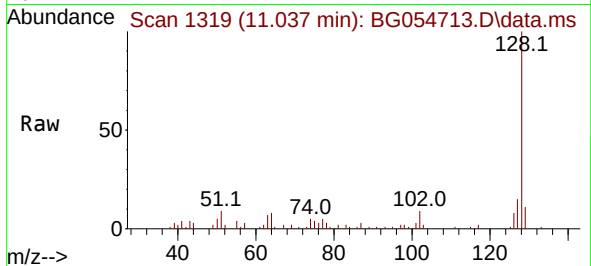




#31
Naphthalene
Concen: 2.405 ng
RT: 11.037 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

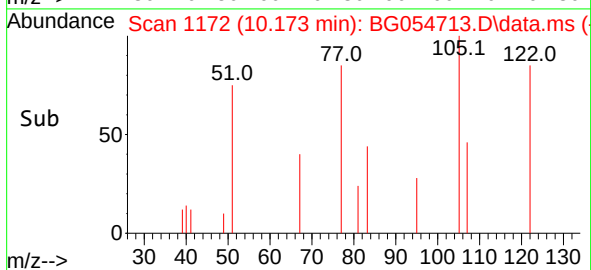
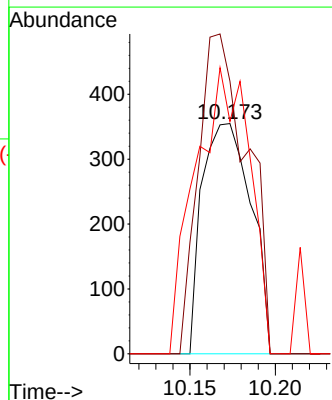
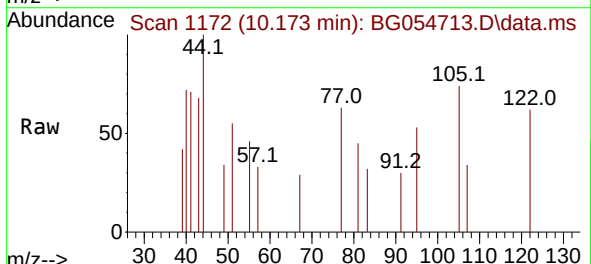
Instrument :
BNA_G
ClientSampleId :

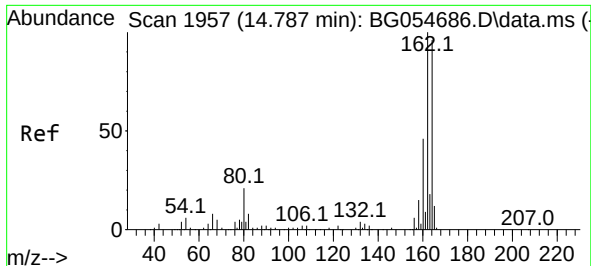
Tgt Ion:128 Resp: 32870
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 14.8 11.1 16.7



#32
Benzoic acid
Concen: 3.528 ng
RT: 10.173 min Scan# 1172
Delta R.T. -0.090 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:122 Resp: 707
Ion Ratio Lower Upper
122 100
105 118.3 101.5 141.5
77 100.8 69.3 109.3

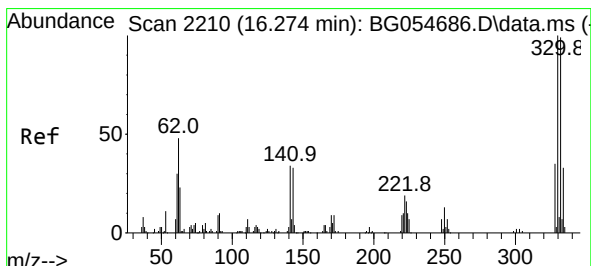
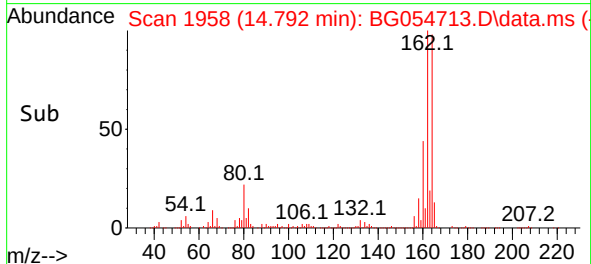
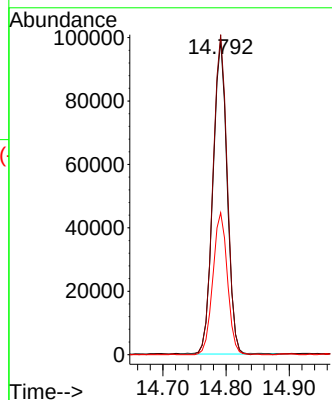
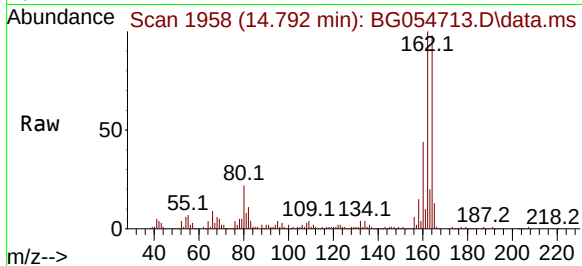




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

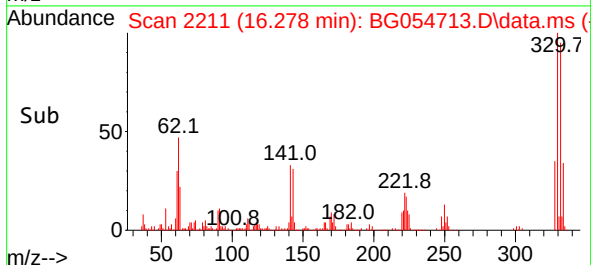
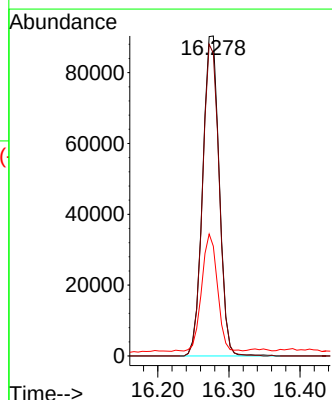
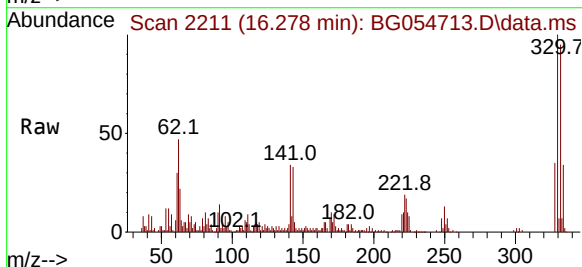
Instrument :
BNA_G
ClientSampleId :

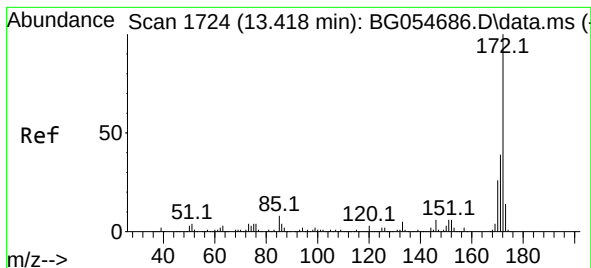
Tgt Ion:164 Resp: 153983
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 45.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 118.805 ng
RT: 16.278 min Scan# 2211
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:330 Resp: 146505
Ion Ratio Lower Upper
330 100
332 97.0 79.8 119.6
141 34.8 26.8 40.2

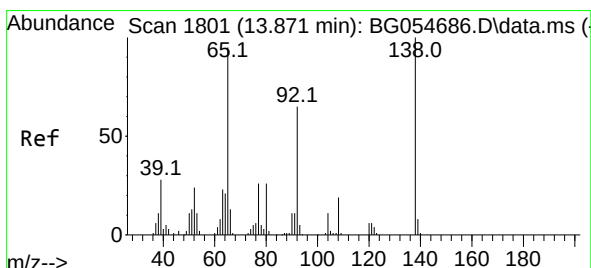
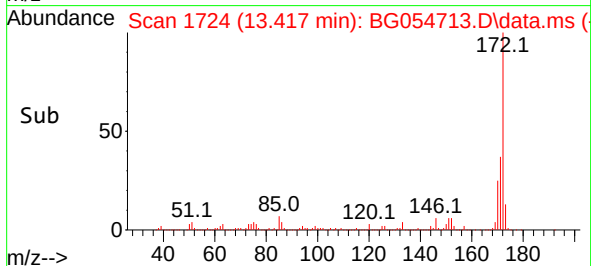
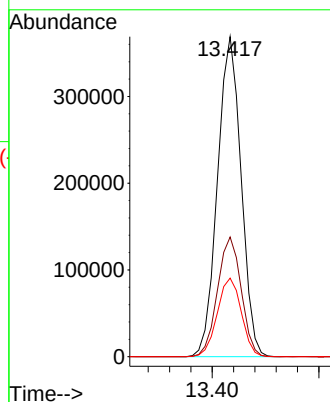
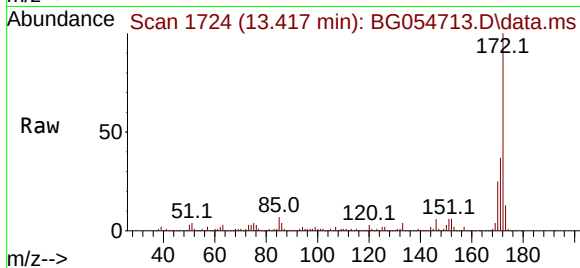




#45
2-Fluorobiphenyl
Concen: 54.247 ng
RT: 13.417 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

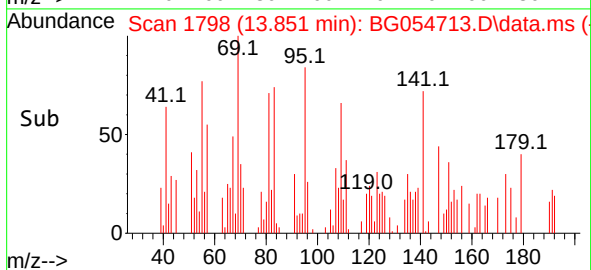
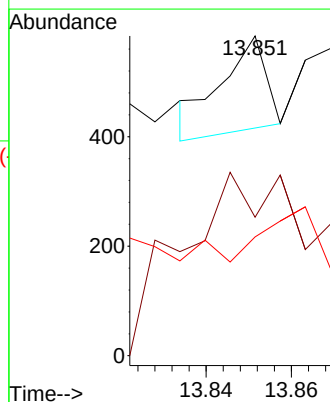
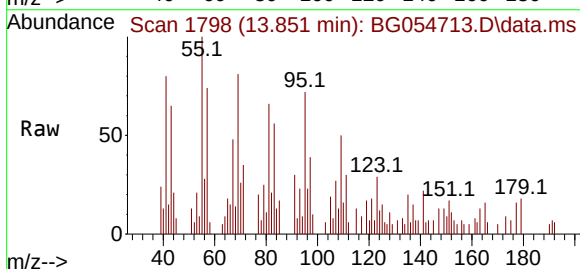
Instrument :
BNA_G
ClientSampleId :

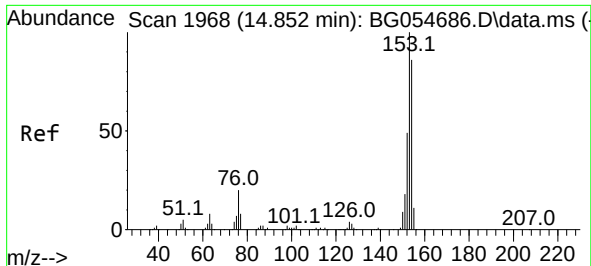
Tgt Ion:172 Resp: 566428
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.6 20.6 30.8



#48
2-Nitroaniline
Concen: 3.620 ng
RT: 13.851 min Scan# 1798
Delta R.T. -0.020 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion: 65 Resp: 125
Ion Ratio Lower Upper
65 100
92 43.3 54.7 82.1#
138 37.2 84.1 126.1#

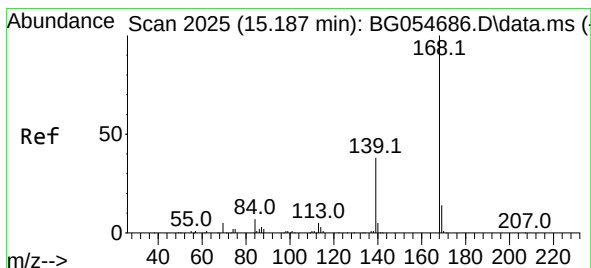
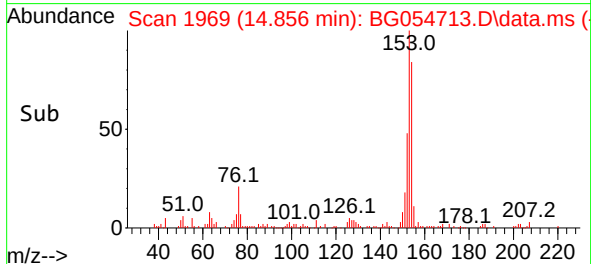
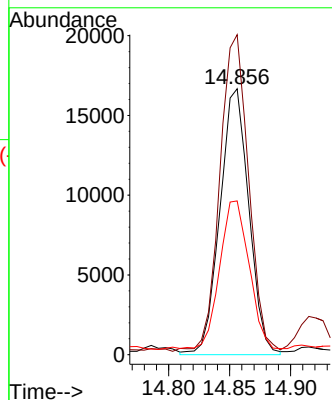
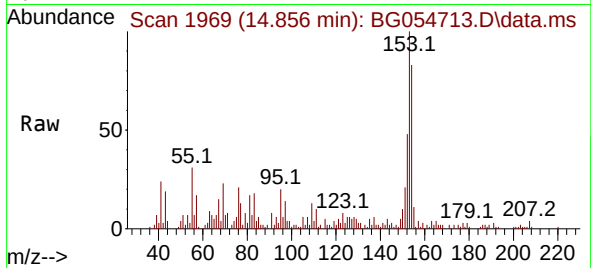




#52
Acenaphthene
Concen: 3.108 ng
RT: 14.856 min Scan# 1968
Delta R.T. 0.004 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

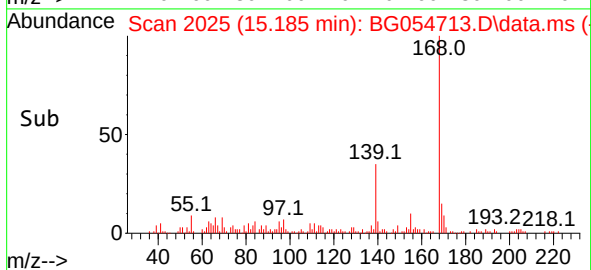
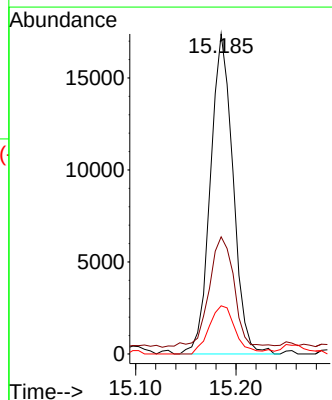
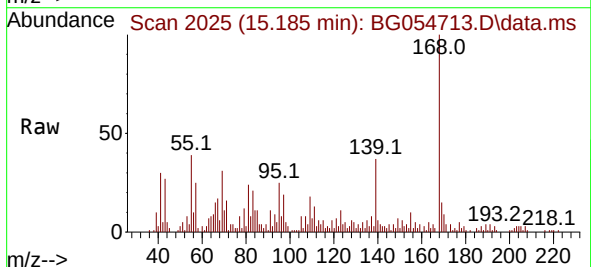
Instrument :
BNA_G
ClientSampleId :

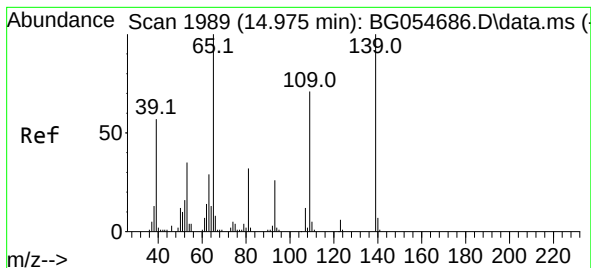
Tgt Ion:154 Resp: 27525
Ion Ratio Lower Upper
154 100
153 120.3 92.8 139.2
152 57.8 45.4 68.2



#55
Dibenzofuran
Concen: 2.027 ng
RT: 15.185 min Scan# 2025
Delta R.T. -0.002 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:168 Resp: 27213
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.2
169 15.0 11.3 16.9

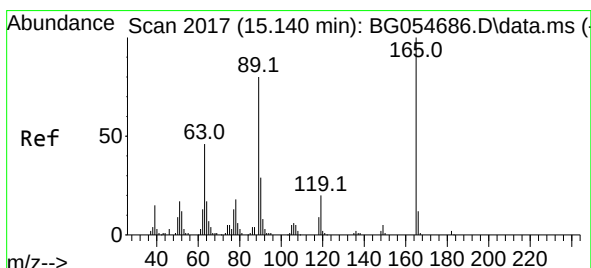
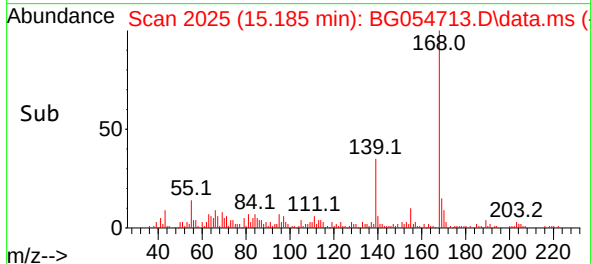
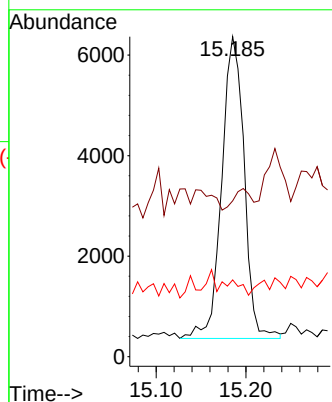
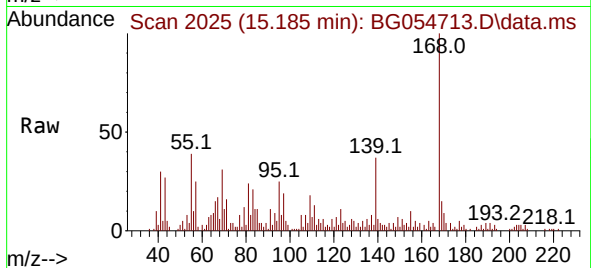




#56
4-Nitrophenol
Concen: 6.448 ng
RT: 15.185 min Scan# 2033
Delta R.T. 0.210 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

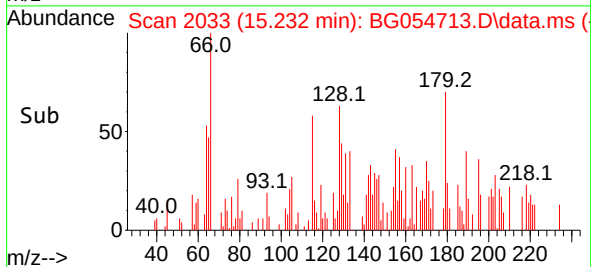
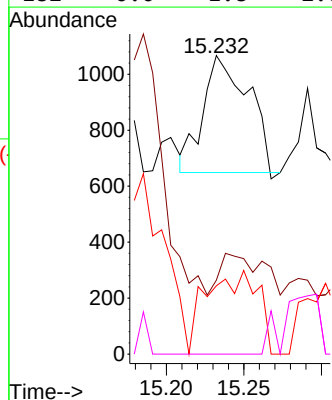
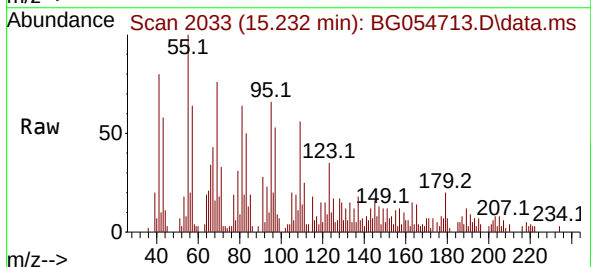
Instrument :
BNA_G
ClientSampleId :

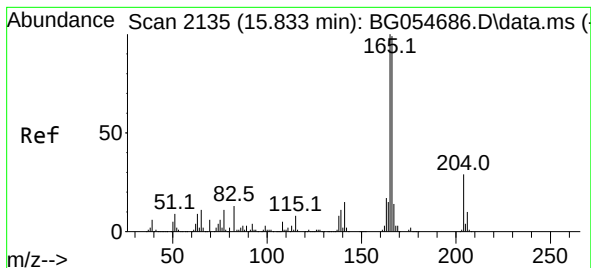
Tgt Ion:139 Resp: 10422
Ion Ratio Lower Upper
139 100
109 48.7 50.5 90.5#
65 24.0 79.9 119.9#



#57
2,4-Dinitrotoluene
Concen: 4.571 ng
RT: 15.232 min Scan# 2033
Delta R.T. 0.092 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:165 Resp: 845
Ion Ratio Lower Upper
165 100
63 24.7 36.8 55.2#
89 22.9 64.3 96.5#
182 0.0 1.8 2.6#





#58

Fluorene

Concen: 2.412 ng

RT: 15.837 min Scan# 2136

Delta R.T. 0.004 min

Lab File: BG054713.D

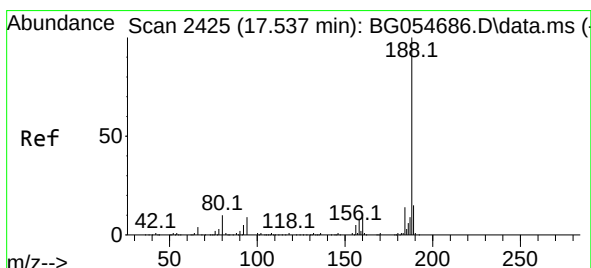
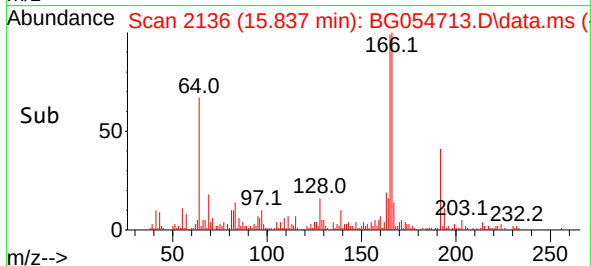
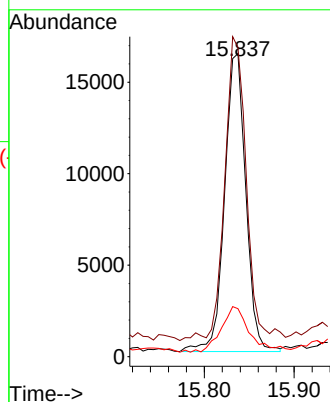
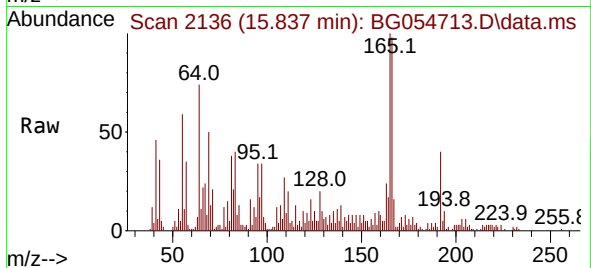
Acq: 23 Aug 2022 19:03

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	166	Resp:	26770
Ion Ratio	Lower	Upper	
166	100		
165	102.0	80.8	121.2
167	15.8	11.4	17.0



#64

Phenanthrene-d10

Concen: 20.000 ng

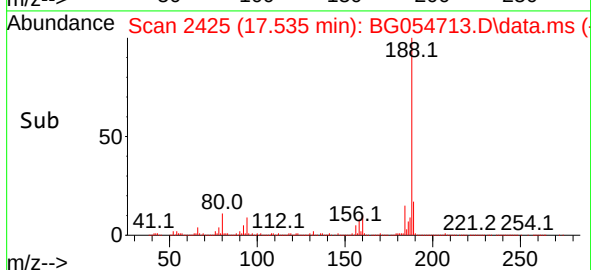
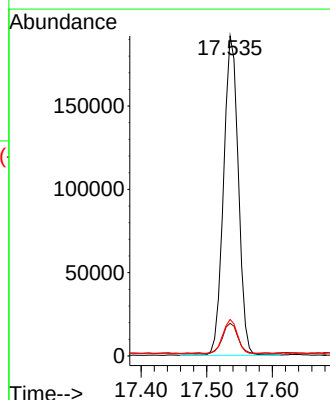
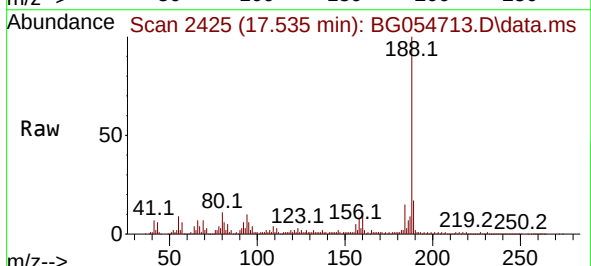
RT: 17.535 min Scan# 2425

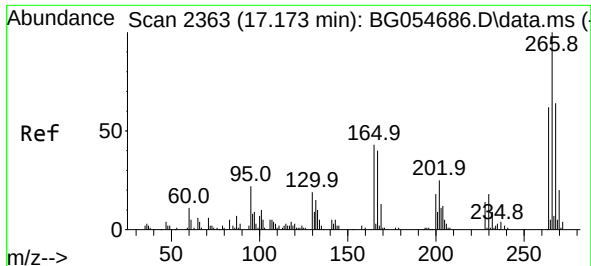
Delta R.T. -0.002 min

Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

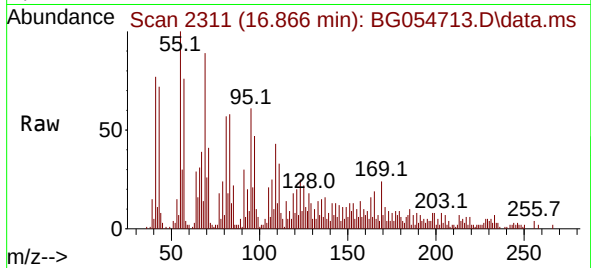
Tgt Ion:	188	Resp:	298195
Ion Ratio	Lower	Upper	
188	100		
94	10.2	7.0	10.4
80	11.4	7.9	11.9



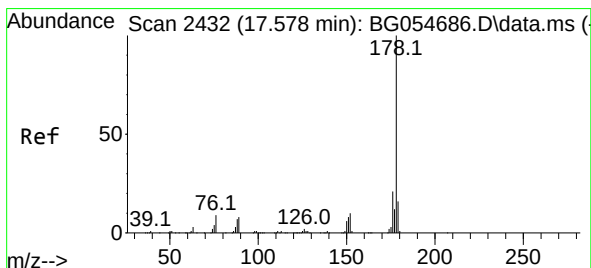
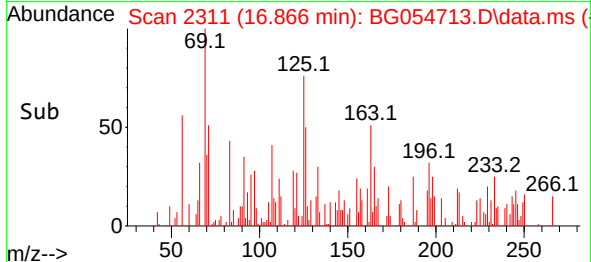
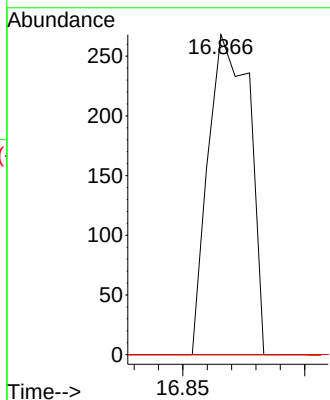


#70
 Pentachlorophenol
 Concen: 7.267 ng
 RT: 16.866 min Scan# 21
 Delta R.T. -0.307 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Instrument :
 BNA_G
 ClientSampleId :

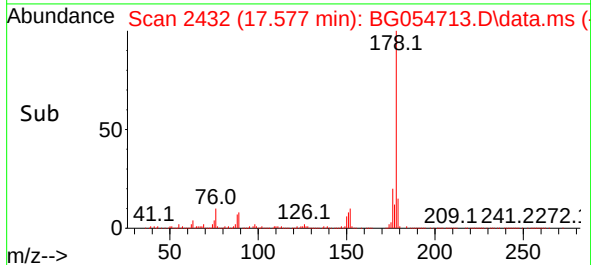
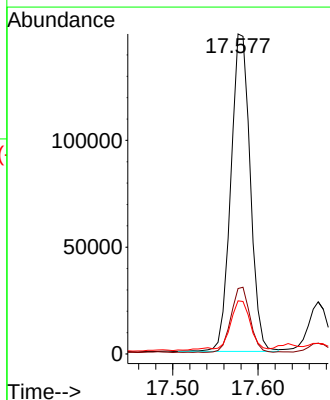
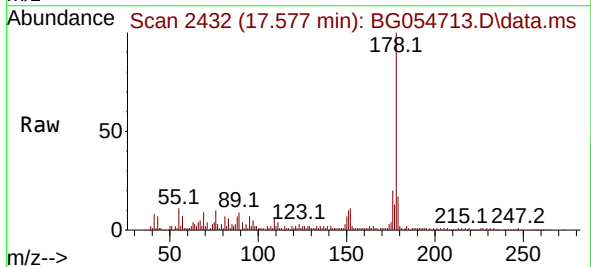


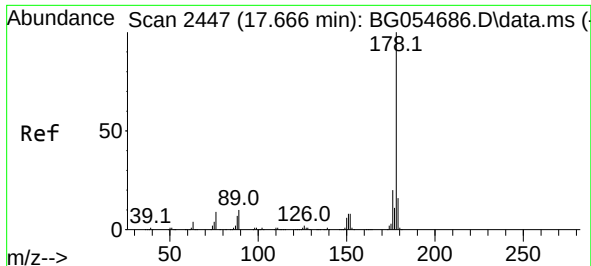
Tgt Ion:266 Resp: 315
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.2 76.8#
 264 0.0 49.4 74.0#



#71
 Phenanthrene
 Concen: 14.775 ng
 RT: 17.577 min Scan# 2432
 Delta R.T. -0.001 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Tgt Ion:178 Resp: 234836
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.6 25.0
 179 16.6 12.8 19.2

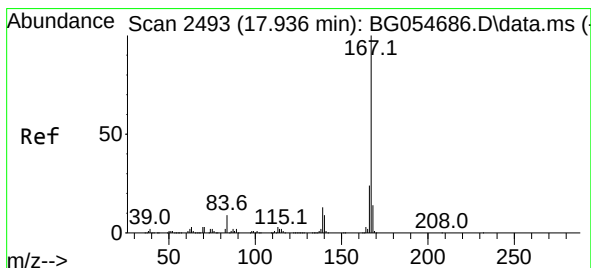
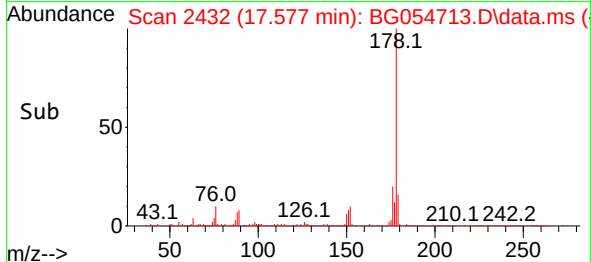
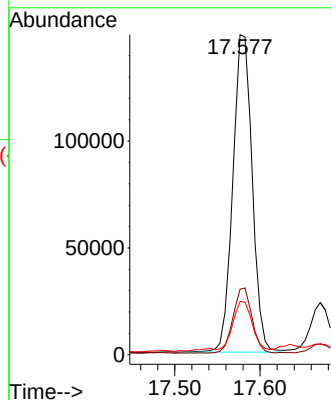
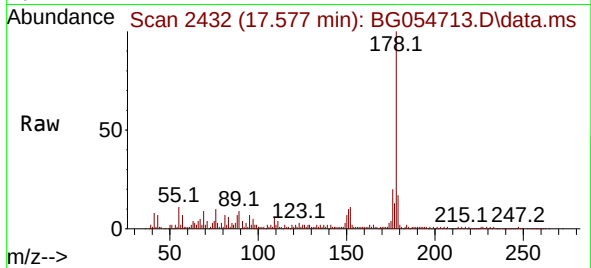




#72
 Anthracene
 Concen: 15.247 ng
 RT: 17.577 min Scan# 2447
 Delta R.T. -0.090 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

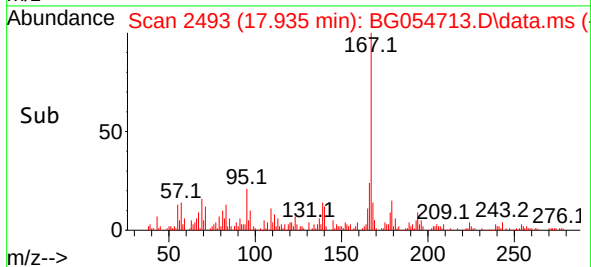
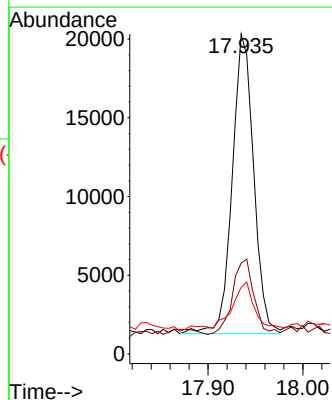
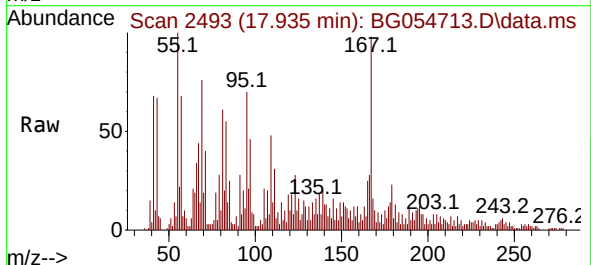
Instrument :
 BNA_G
 ClientSampleId :

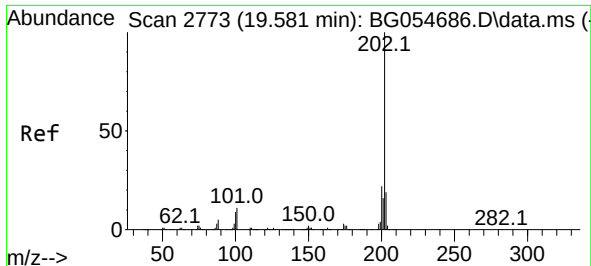
Tgt Ion:178 Resp: 234836
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.4
 179 16.6 12.9 19.3



#73
 Carbazole
 Concen: 2.183 ng
 RT: 17.935 min Scan# 2493
 Delta R.T. -0.001 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Tgt Ion:167 Resp: 29908
 Ion Ratio Lower Upper
 167 100
 166 28.4 18.8 28.2#
 139 20.8 10.2 15.4#

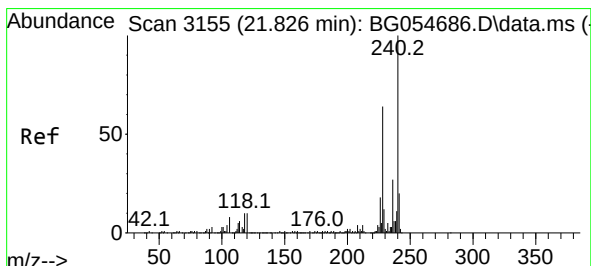
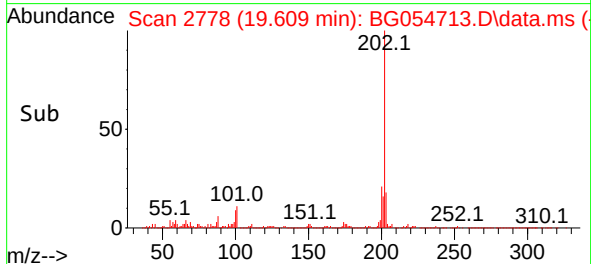
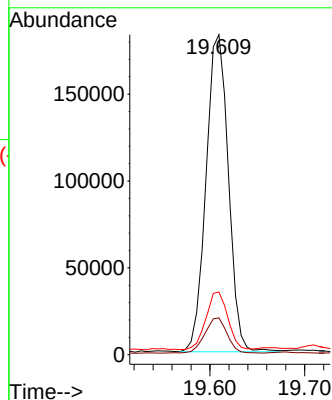
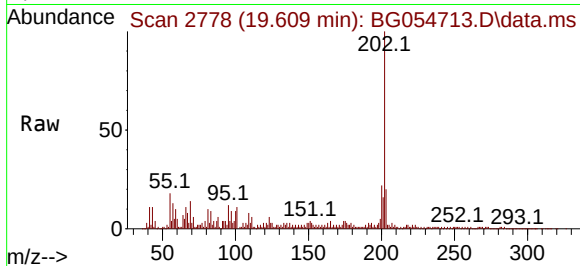




#75
Fluoranthene
Concen: 15.971 ng
RT: 19.609 min Scan# 21
Delta R.T. 0.028 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

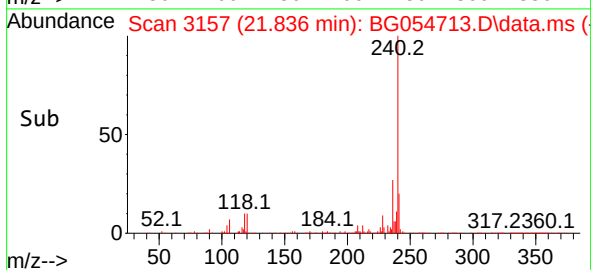
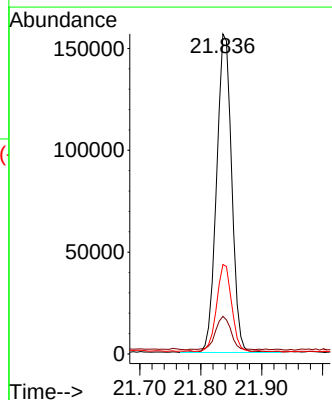
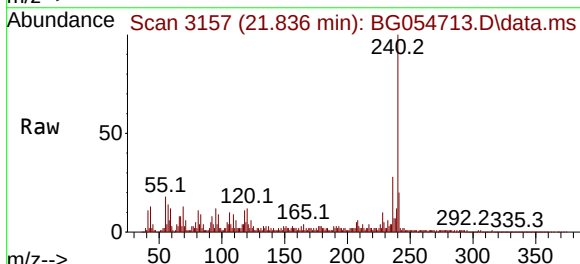
Instrument :
BNA_G
ClientSampleId :

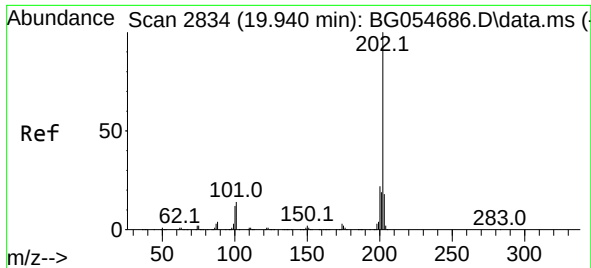
Tgt Ion:202 Resp: 299289
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 19.6 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.836 min Scan# 3157
Delta R.T. 0.010 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:240 Resp: 270686
Ion Ratio Lower Upper
240 100
120 11.8 8.2 12.4
236 27.9 21.2 31.8

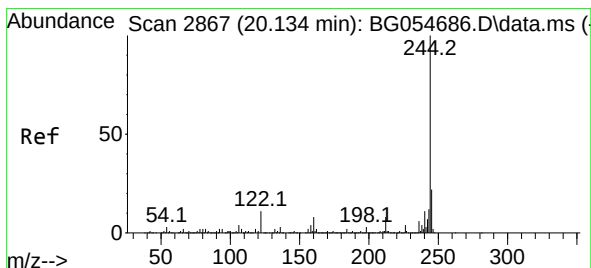
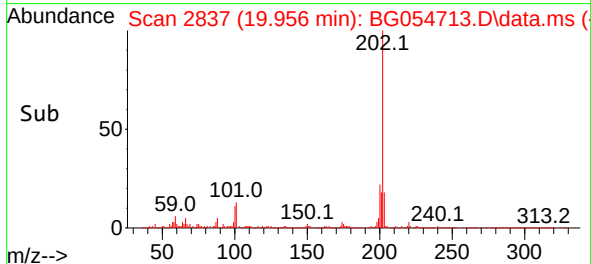
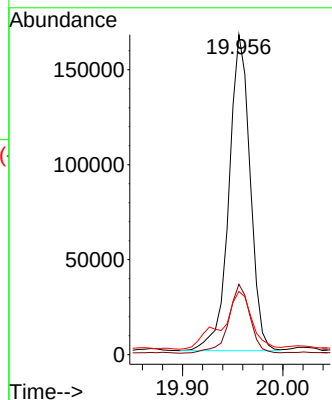
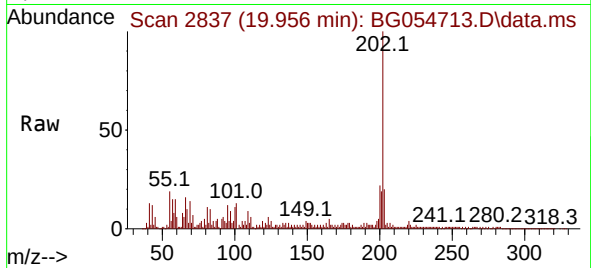




#78
 Pyrene
 Concen: 12.787 ng
 RT: 19.956 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

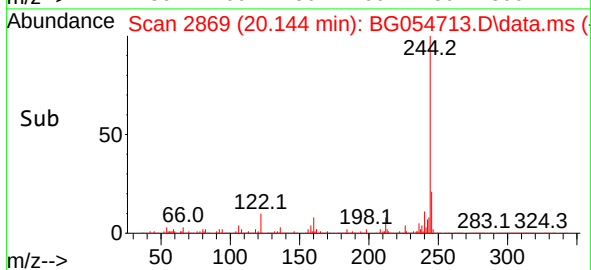
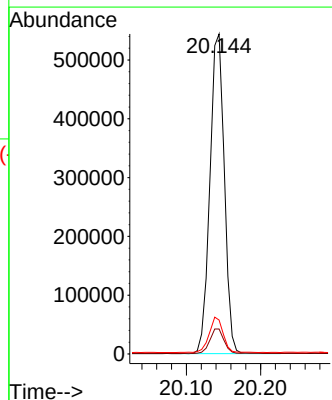
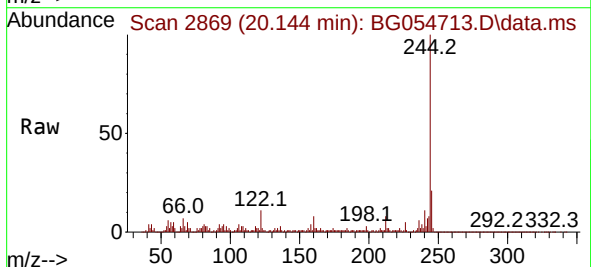
Instrument :
 BNA_G
 ClientSampleId :

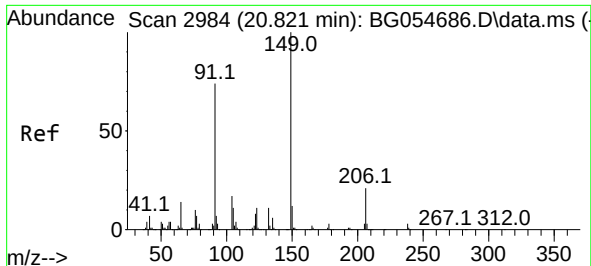
Tgt Ion:202 Resp: 244146
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.8 26.6
 203 19.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 53.857 ng
 RT: 20.144 min Scan# 2869
 Delta R.T. 0.010 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Tgt Ion:244 Resp: 733886
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.6 9.0 13.6

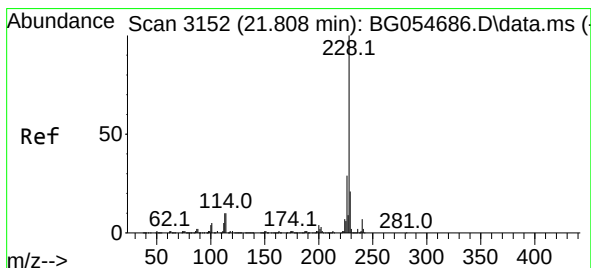
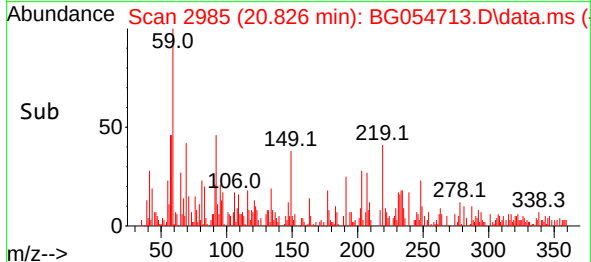
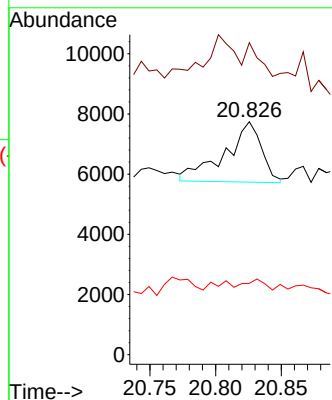
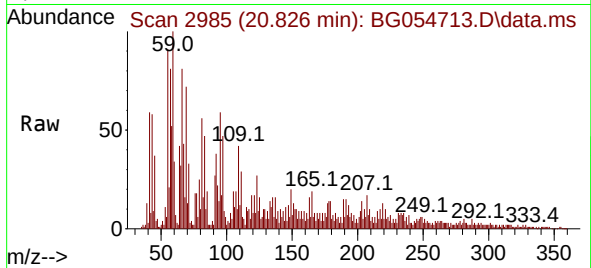




#80
Butylbenzylphthalate
Concen: 5.706 ng
RT: 20.826 min Scan# 2984
Delta R.T. 0.005 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

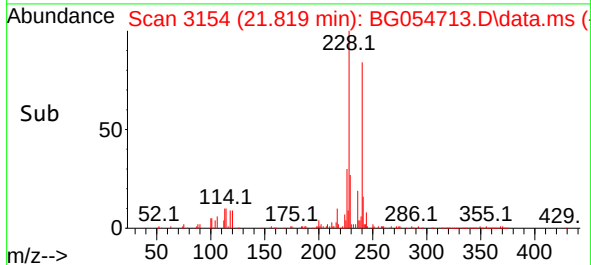
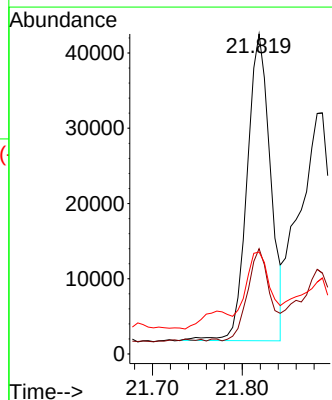
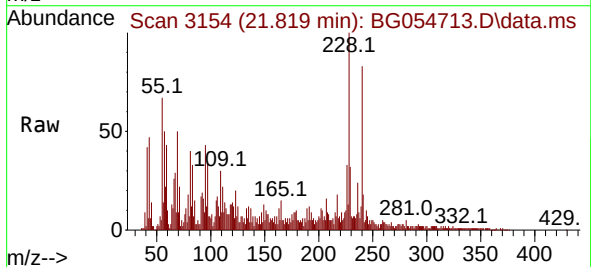
Instrument :
BNA_G
ClientSampleId :

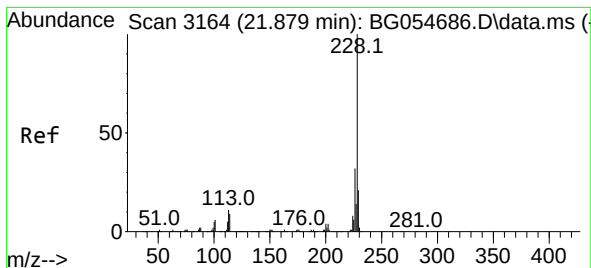
Tgt Ion:149 Resp: 3896
Ion Ratio Lower Upper
149 100
91 133.9 59.5 89.3#
206 30.6 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 4.016 ng
RT: 21.819 min Scan# 3154
Delta R.T. 0.010 min
Lab File: BG054713.D
Acq: 23 Aug 2022 19:03

Tgt Ion:228 Resp: 73834
Ion Ratio Lower Upper
228 100
226 32.9 23.4 35.2
229 31.9 16.5 24.7#





#83

Chrysene

Concen: 4.334 ng

RT: 21.889 min Scan# 3166

Delta R.T. 0.010 min

Lab File: BG054713.D

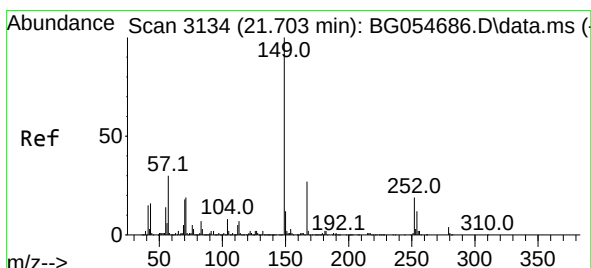
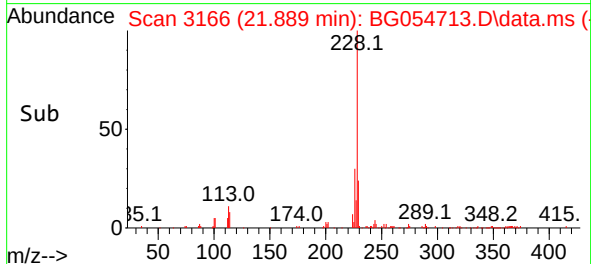
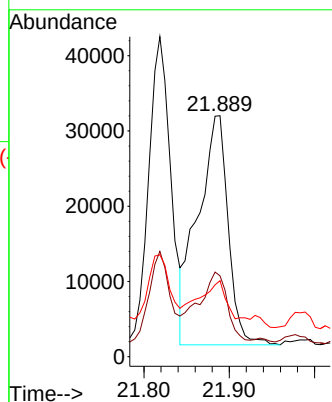
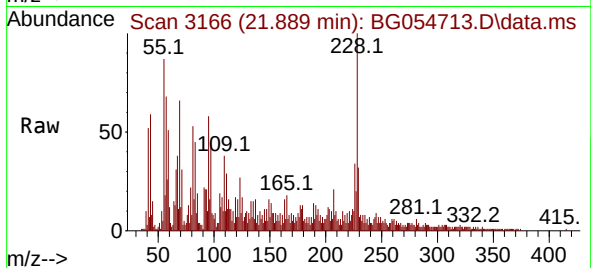
Acq: 23 Aug 2022 19:03

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:228	Resp:	75828
Ion Ratio	Lower	Upper
228	100	
226	33.5	25.5 38.3
229	31.6	16.8 25.2#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.575 ng

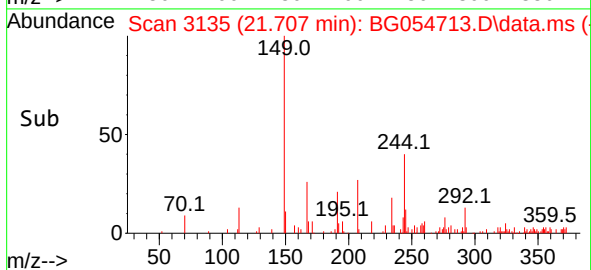
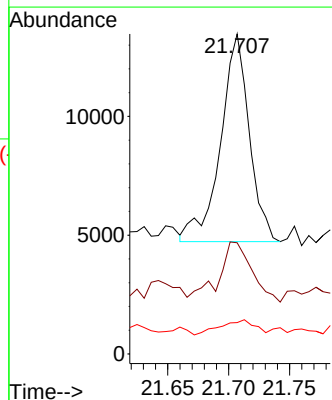
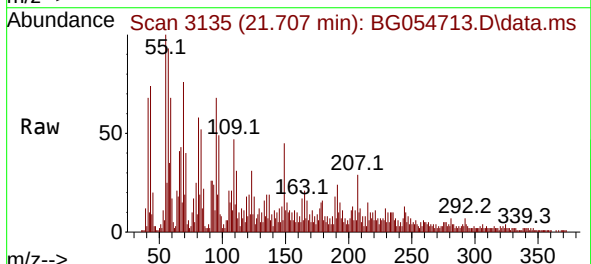
RT: 21.707 min Scan# 3135

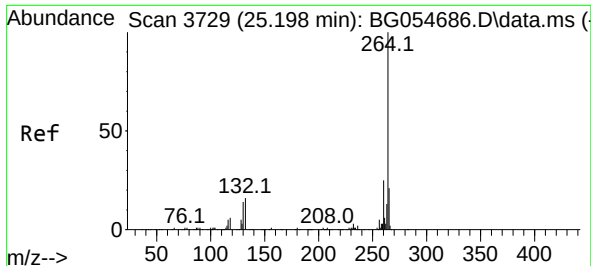
Delta R.T. 0.004 min

Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

Tgt Ion:149	Resp:	14352
Ion Ratio	Lower	Upper
149	100	
167	34.7	21.4 32.0#
279	9.8	3.1 4.7#

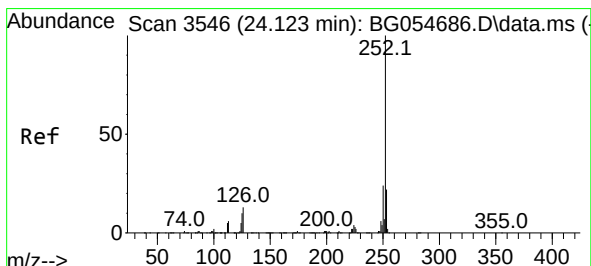
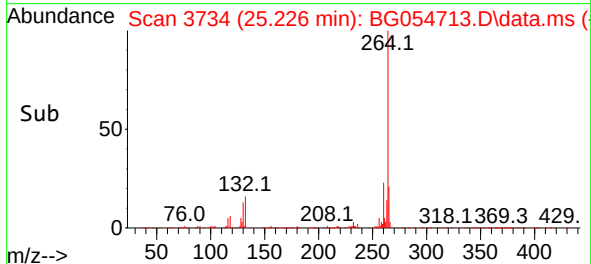
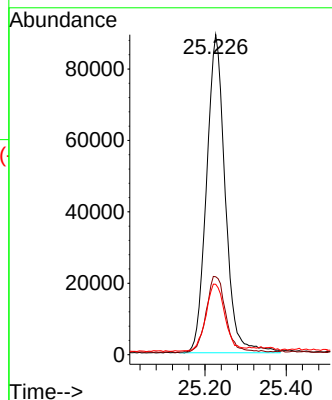
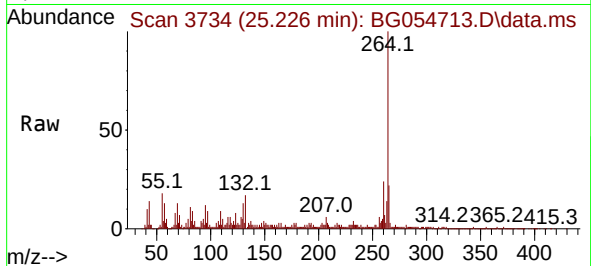




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.226 min Scan# 31
 Delta R.T. 0.028 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

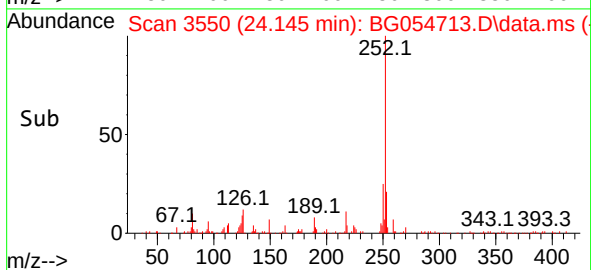
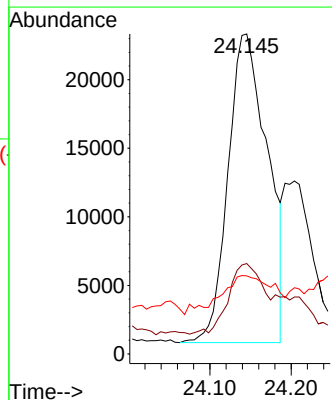
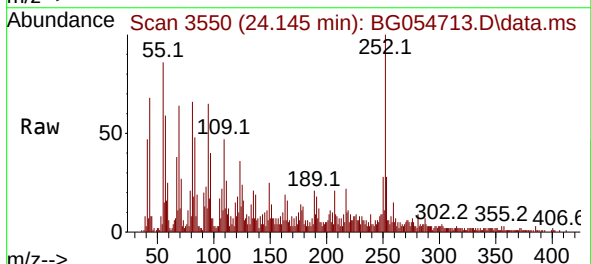
Instrument :
 BNA_G
 ClientSampleId :

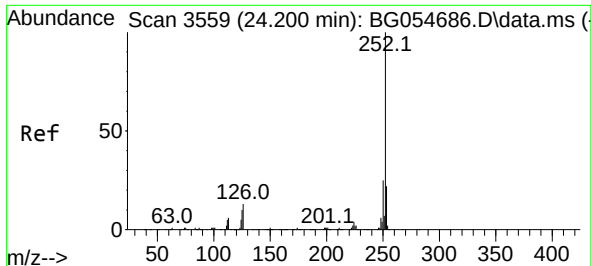
Tgt Ion:264 Resp: 283722
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.9 29.9
 265 22.0 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.309 ng
 RT: 24.145 min Scan# 3550
 Delta R.T. 0.022 min
 Lab File: BG054713.D
 Acq: 23 Aug 2022 19:03

Tgt Ion:252 Resp: 75910
 Ion Ratio Lower Upper
 252 100
 253 28.3 18.0 27.0#
 125 24.4 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 4.175 ng

RT: 24.145 min Scan# 3

Delta R.T. -0.054 min

Lab File: BG054713.D

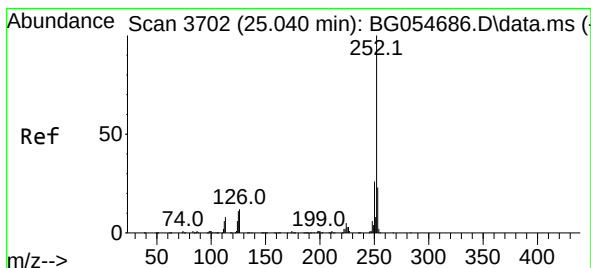
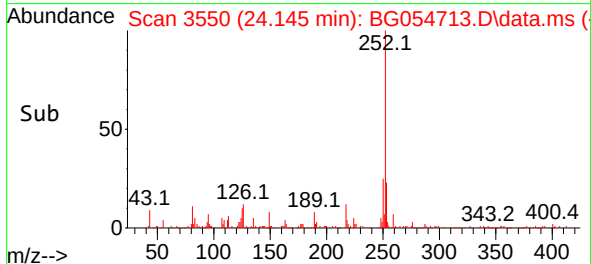
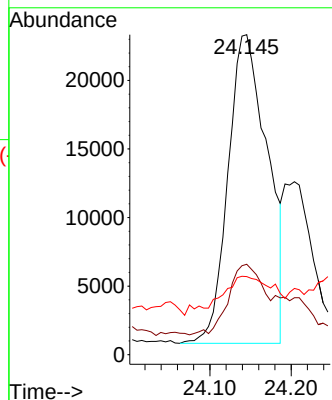
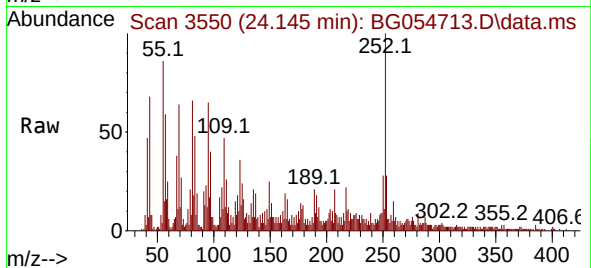
Acq: 23 Aug 2022 19:03

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:252	Resp:	75910
Ion Ratio	Lower	Upper
252	100	
253	28.3	17.8 26.8#
125	24.4	8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.244 ng

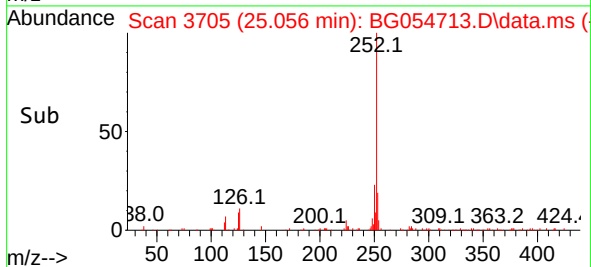
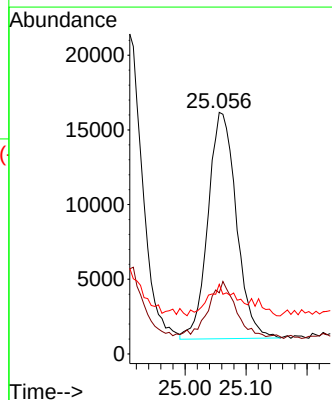
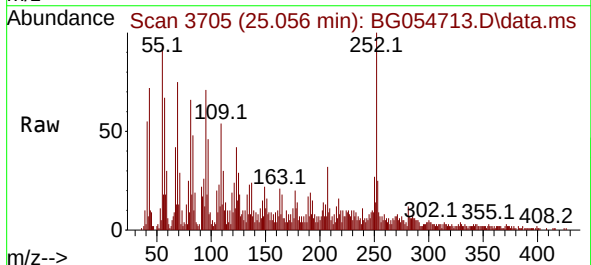
RT: 25.056 min Scan# 3705

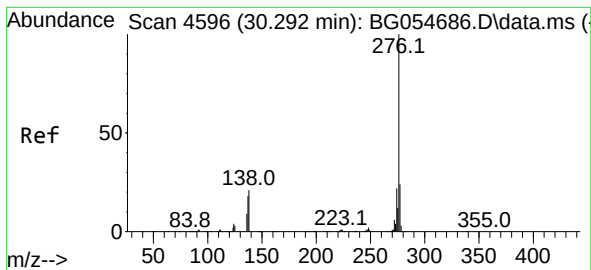
Delta R.T. 0.016 min

Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

Tgt Ion:252	Resp:	49045
Ion Ratio	Lower	Upper
252	100	
253	25.3	18.3 27.5
125	28.8	8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.047 ng

RT: 30.326 min Scan# 4

Delta R.T. 0.034 min

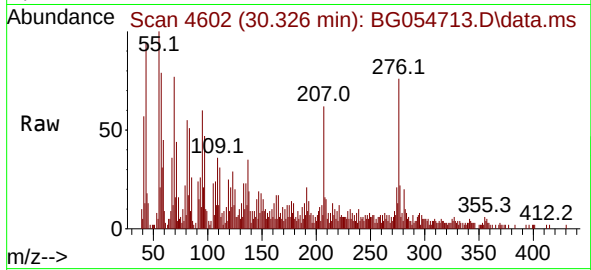
Lab File: BG054713.D

Acq: 23 Aug 2022 19:03

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:276 Resp: 34814

Ion Ratio Lower Upper

276 100

277 28.9 19.4 29.0

138 25.0 16.6 25.0#

