

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054706.D
 Acq On : 23 Aug 2022 14:03
 Operator : CG/JU
 Sample : N4261-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C5

Quant Time: Aug 23 15:00:48 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)

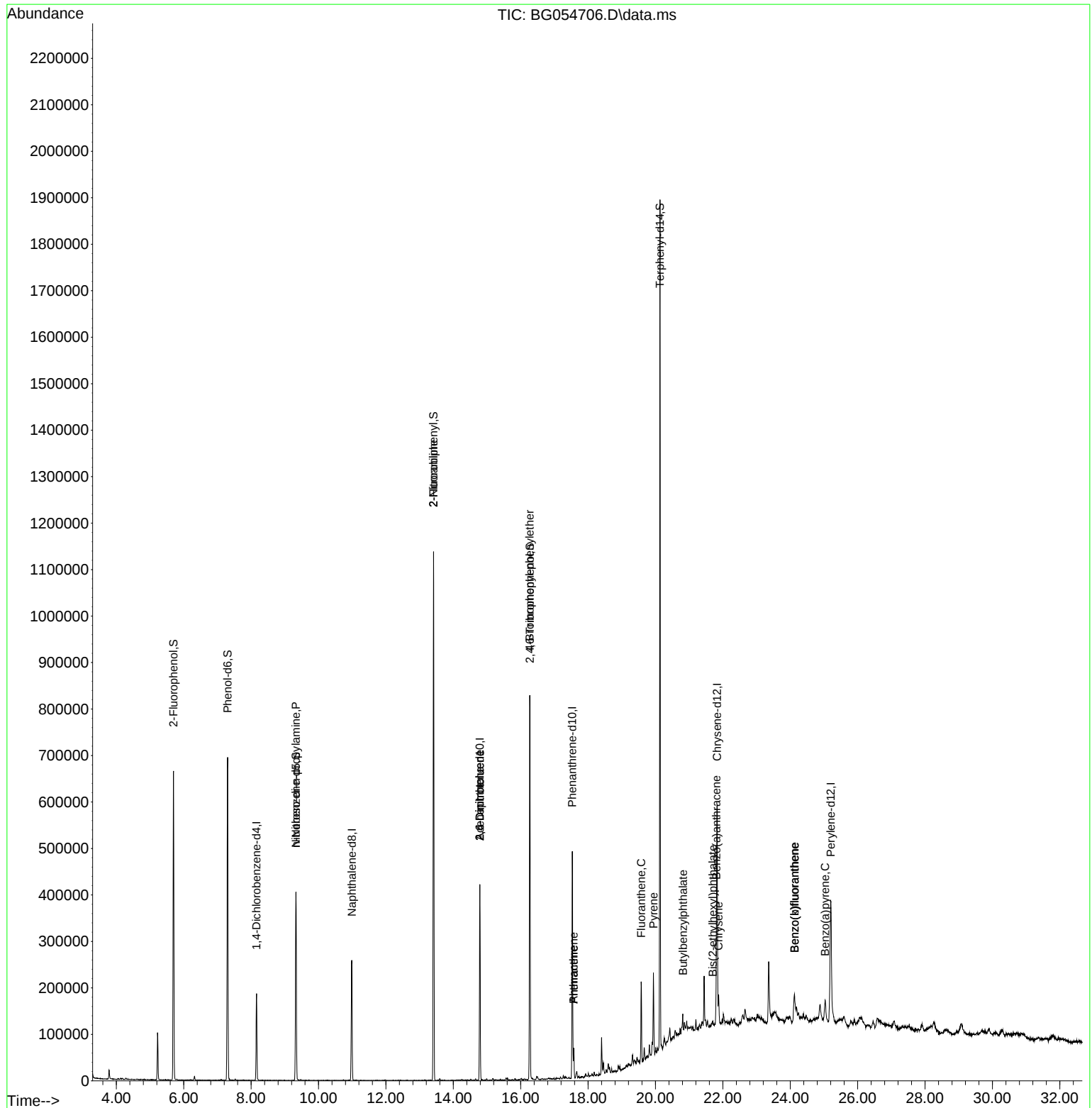
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	54329	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	226242	20.000	ng	0.00
39) Acenaphthene-d10	14.788	164	148012	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	308852	20.000	ng	0.00
76) Chrysene-d12	21.827	240	275544	20.000	ng	0.00
86) Perylene-d12	25.200	264	291985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	305340	105.908	ng	0.00
7) Phenol-d6	7.303	99	415569	102.870	ng	0.00
23) Nitrobenzene-d5	9.330	82	252624	63.634	ng	0.00
42) 2,4,6-Tribromophenol	16.275	330	161491	136.240	ng	0.00
45) 2-Fluorobiphenyl	13.414	172	604478	60.227	ng	0.00
79) Terphenyl-d14	20.135	244	865683	62.409	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.330	70	31534	11.095	ng	# 86
48) 2-Nitroaniline	13.414	65	886	3.956	ng	# 1
51) 2,6-Dinitrotoluene	14.788	165	19274	10.633	ng	# 20
57) 2,4-Dinitrotoluene	14.788	165	19274	10.775	ng	# 18
67) 4-Bromophenyl-phenylether	16.269	248	10860	3.653	ng	# 1
71) Phenanthrene	17.573	178	40862	2.482	ng	98
72) Anthracene	17.573	178	40862	2.561	ng	98
75) Fluoranthene	19.577	202	106996	5.513	ng	98
78) Pyrene	19.941	202	105301	5.418	ng	99
80) Butylbenzylphthalate	20.817	149	1119	5.309	ng	# 45
81) Benzo(a)anthracene	21.810	228	54934	2.935	ng	98
83) Chrysene	21.874	228	49176	2.761	ng	98
84) Bis(2-ethylhexyl)phtha...	21.704	149	3690	4.549	ng	# 80
88) Benzo(b)fluoranthene	24.130	252	67286	3.711	ng	# 96
89) Benzo(k)fluoranthene	24.130	252	67286	3.596	ng	# 96
90) Benzo(a)pyrene	25.035	252	52667	3.384	ng	# 94

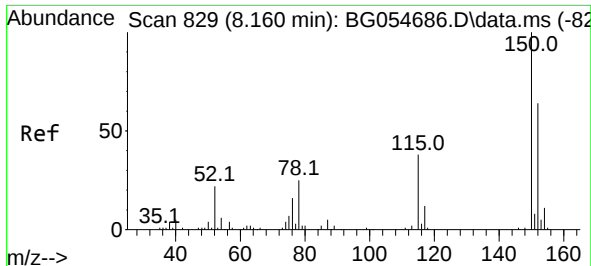
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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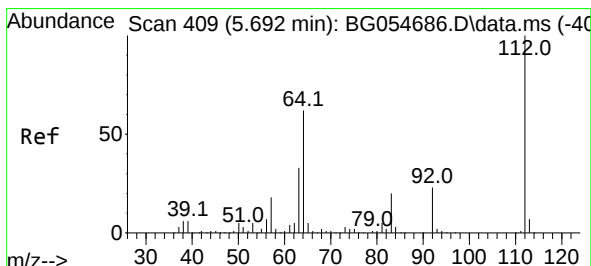
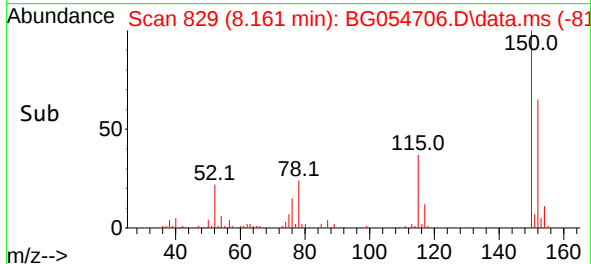
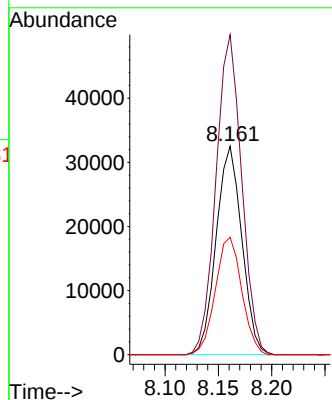
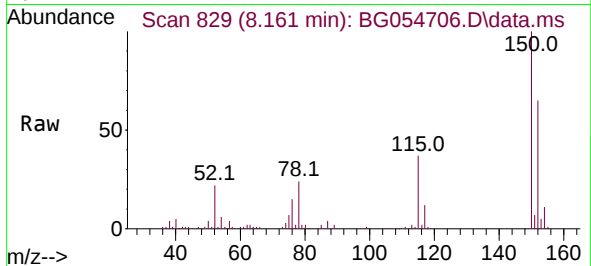




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

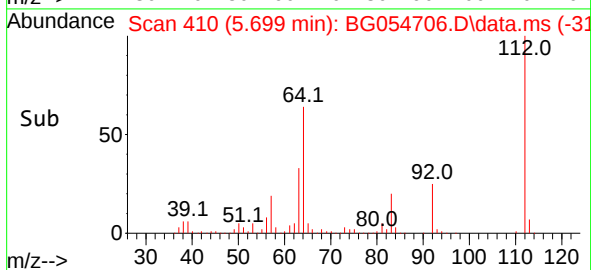
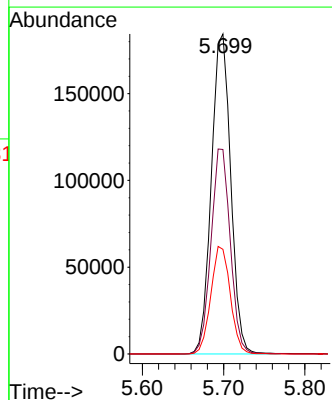
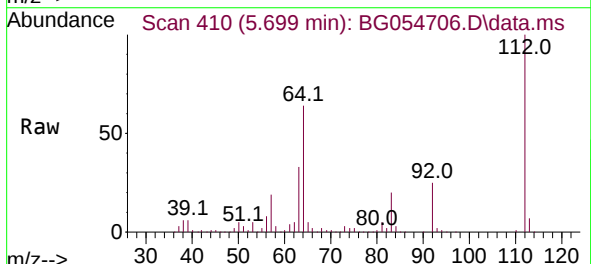
Instrument :
BNA_G
ClientSampleId :
C5

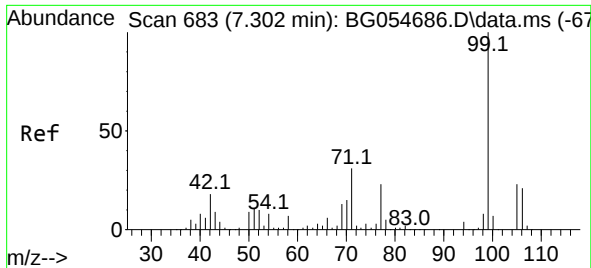
Tgt Ion:152 Resp: 54329
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 56.3 47.9 71.9



#5
2-Fluorophenol
Concen: 105.908 ng
RT: 5.699 min Scan# 410
Delta R.T. 0.007 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:112 Resp: 305340
Ion Ratio Lower Upper
112 100
64 63.9 49.3 73.9
63 32.7 26.3 39.5

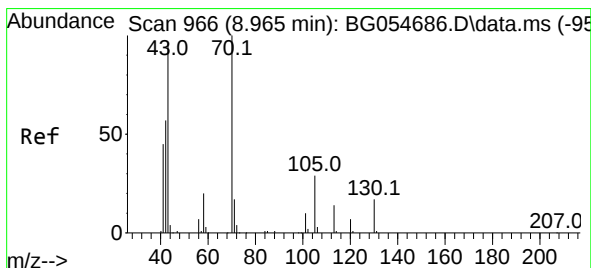
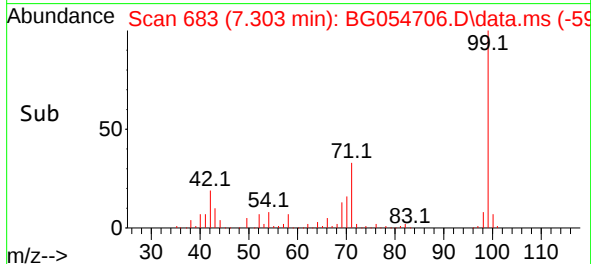
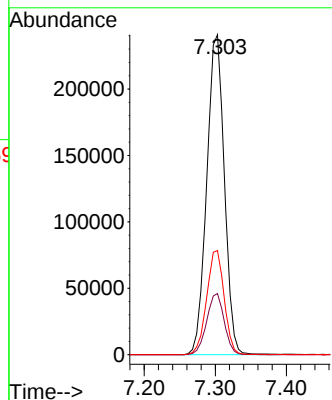
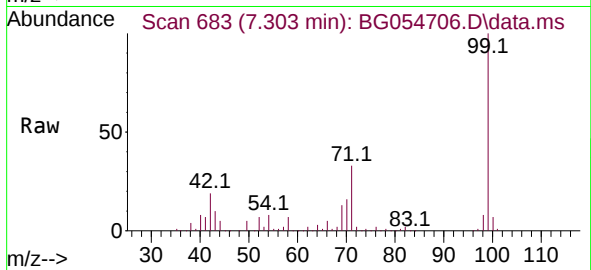




#7
Phenol-d6
Concen: 102.870 ng
RT: 7.303 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

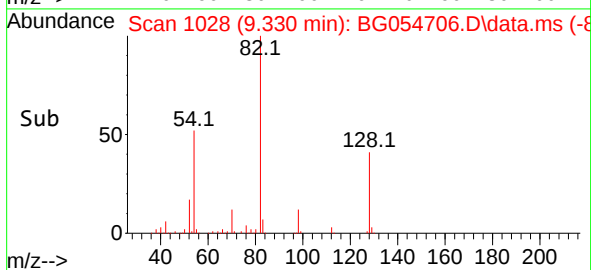
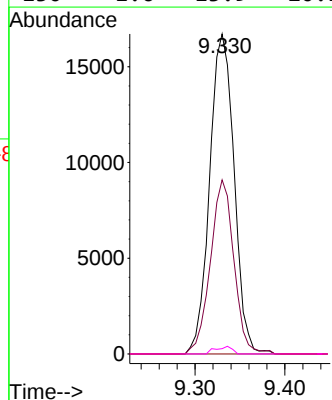
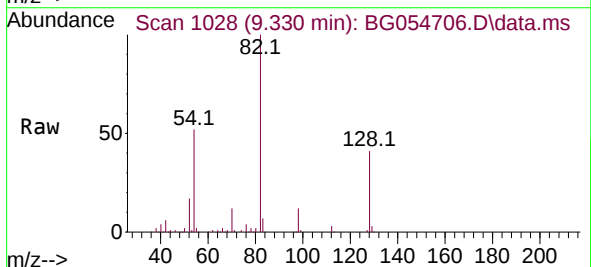
Instrument :
BNA_G
ClientSampleId :
C5

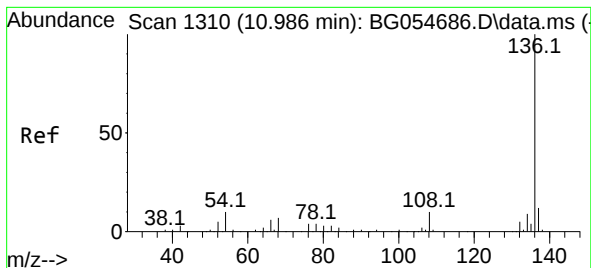
Tgt Ion: 99 Resp: 415569
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 32.5 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.095 ng
RT: 9.330 min Scan# 1028
Delta R.T. 0.366 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion: 70 Resp: 31534
Ion Ratio Lower Upper
70 100
42 54.4 46.6 69.8
101 0.0 7.7 11.5#
130 1.6 13.9 20.9#

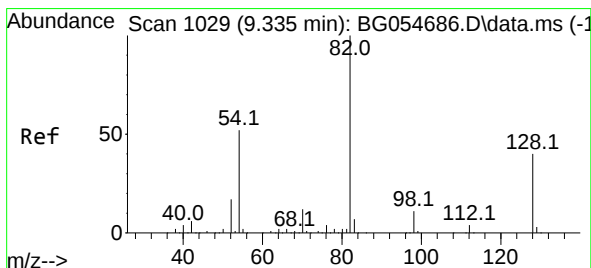
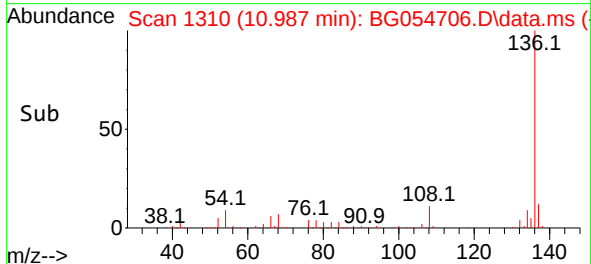
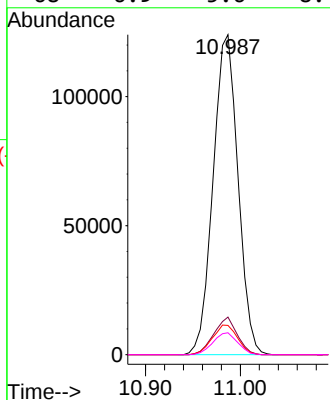
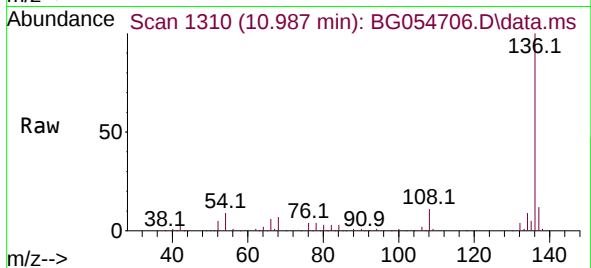




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

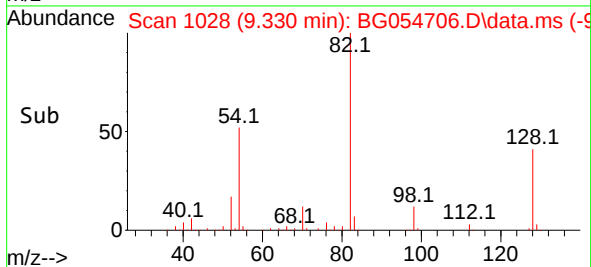
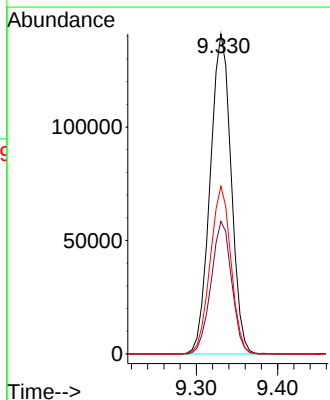
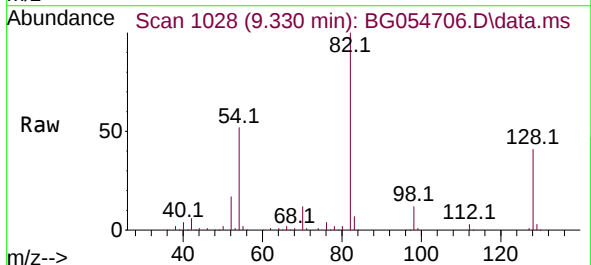
Instrument :
BNA_G
ClientSampleId :
C5

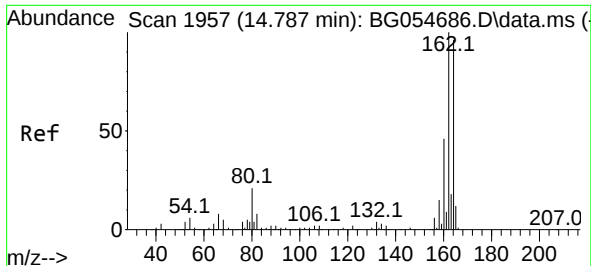
Tgt Ion:	136	Resp:	226242
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.2	13.8
54	9.2	7.7	11.5
68	6.9	5.6	8.4



#23
Nitrobenzene-d5
Concen: 63.634 ng
RT: 9.330 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:	82	Resp:	252624
Ion Ratio	Lower	Upper	
82	100		
128	41.4	32.2	48.2
54	52.4	41.4	62.0

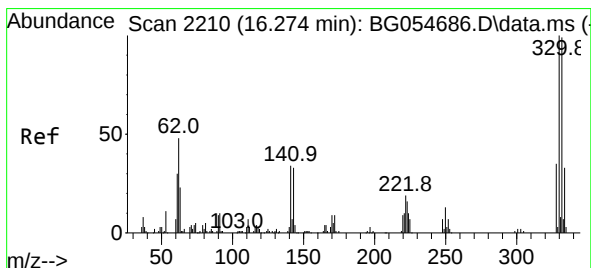
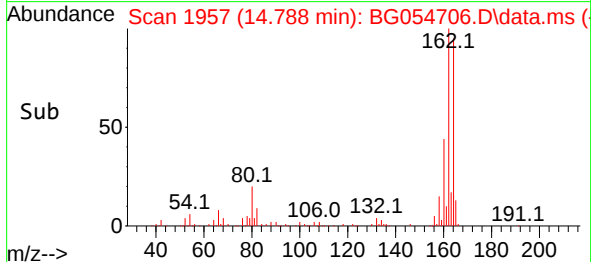
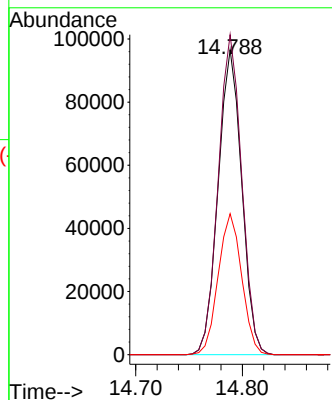
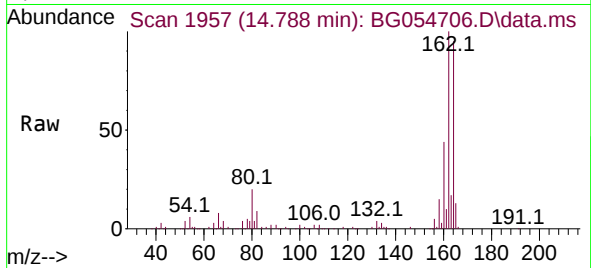




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.788 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

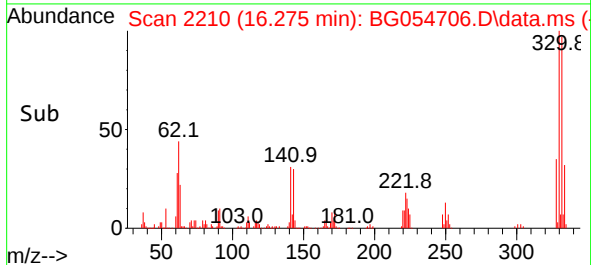
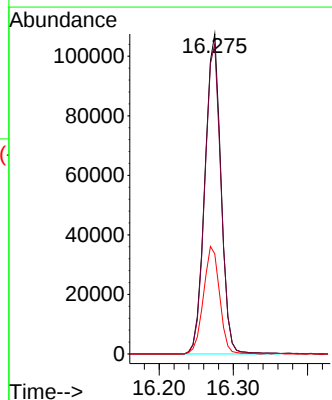
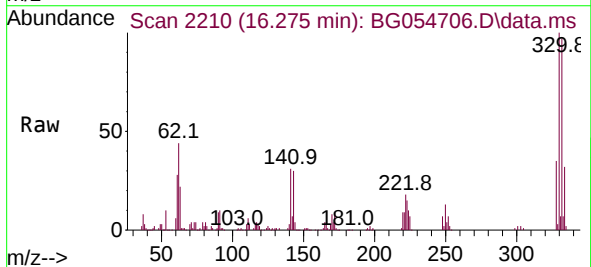
Instrument :
BNA_G
ClientSampleId :
C5

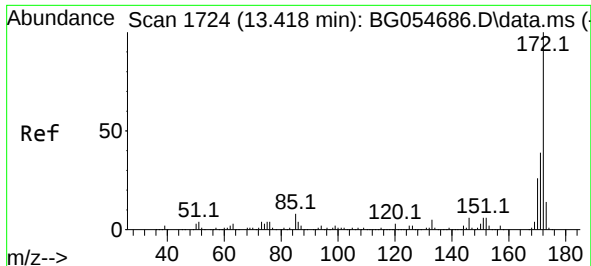
Tgt Ion:164 Resp: 148012
Ion Ratio Lower Upper
164 100
162 104.9 83.0 124.4
160 46.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 136.240 ng
RT: 16.275 min Scan# 2210
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:330 Resp: 161491
Ion Ratio Lower Upper
330 100
332 97.8 79.8 119.6
141 33.8 26.8 40.2

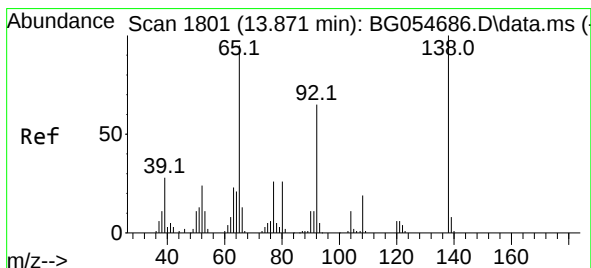
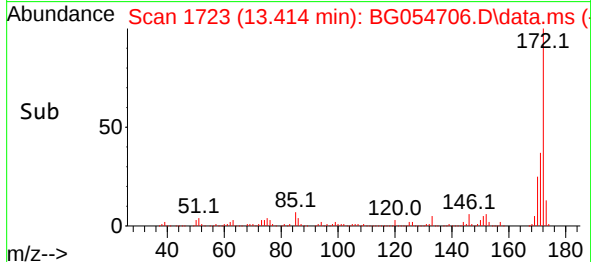
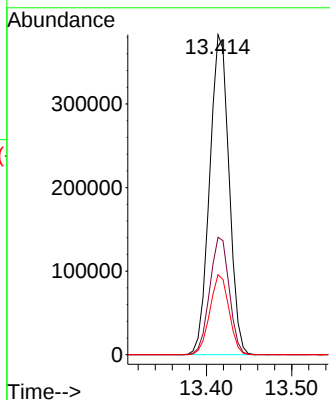
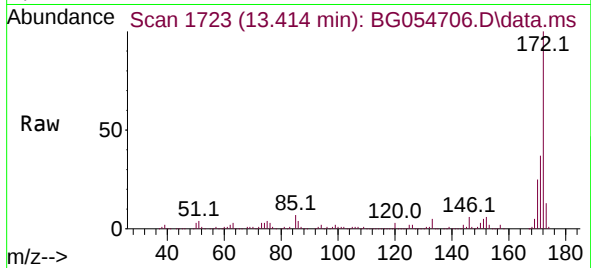




#45
2-Fluorobiphenyl
Concen: 60.227 ng
RT: 13.414 min Scan# 1723
Delta R.T. -0.005 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

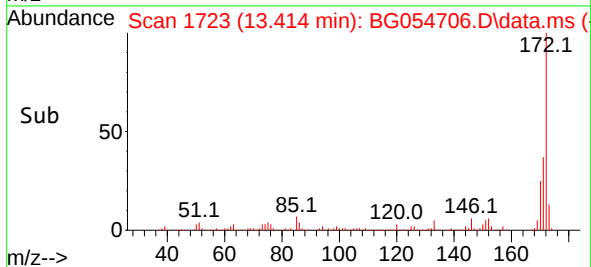
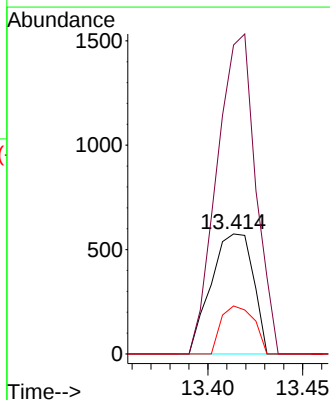
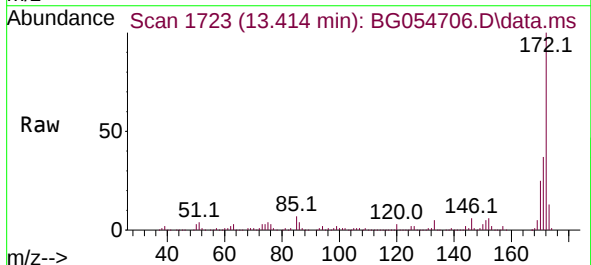
Instrument :
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ClientSampleId :
C5

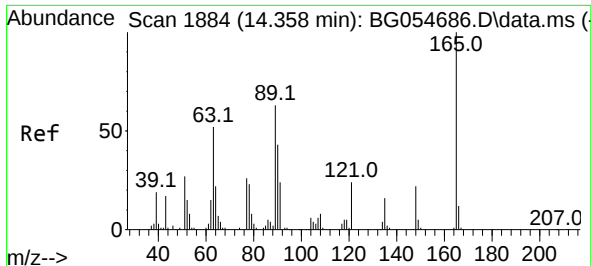
Tgt Ion:172 Resp: 604478
Ion Ratio Lower Upper
172 100
171 36.7 31.2 46.8
170 25.0 20.6 30.8



#48
2-Nitroaniline
Concen: 3.956 ng
RT: 13.414 min Scan# 1723
Delta R.T. -0.457 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion: 65 Resp: 886
Ion Ratio Lower Upper
65 100
92 257.4 54.7 82.1#
138 40.0 84.1 126.1#

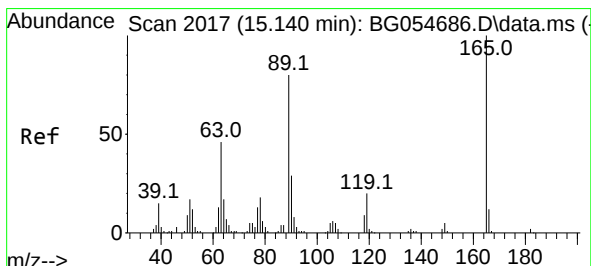
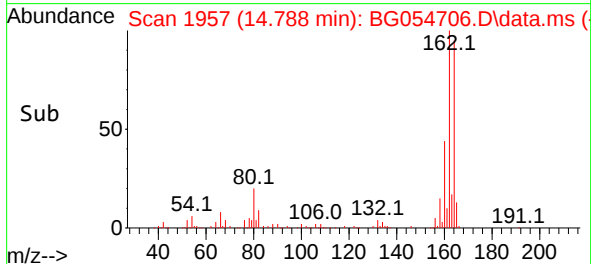
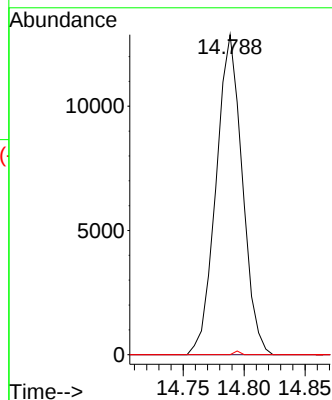
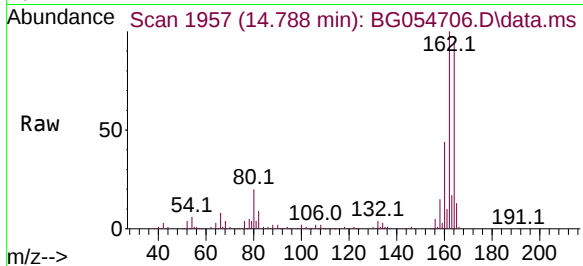




#51
2,6-Dinitrotoluene
Concen: 10.633 ng
RT: 14.788 min Scan# 1957
Delta R.T. 0.430 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

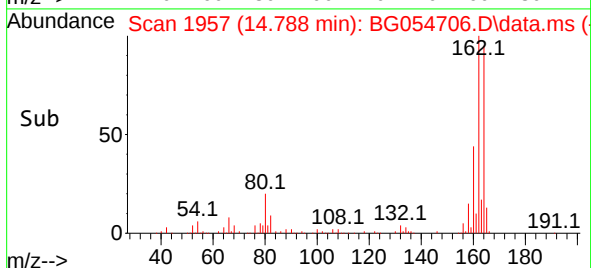
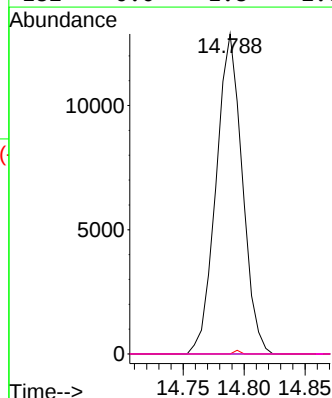
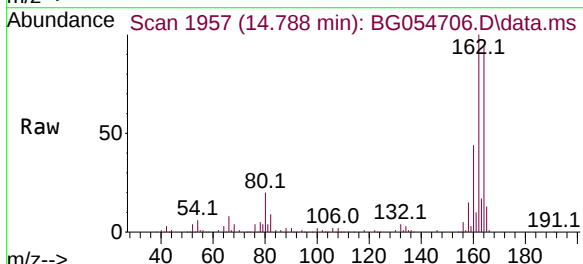
Instrument :
BNA_G
ClientSampleId :
C5

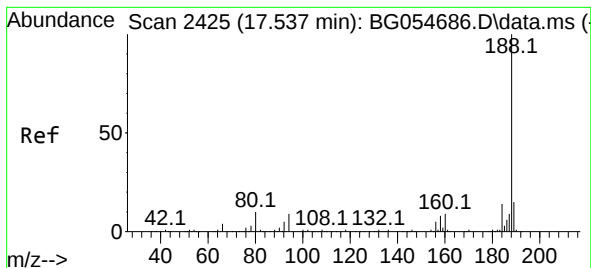
Tgt Ion:165 Resp: 19274
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#



#57
2,4-Dinitrotoluene
Concen: 10.775 ng
RT: 14.788 min Scan# 1957
Delta R.T. -0.352 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:165 Resp: 19274
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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.532 min Scan# 2425

Delta R.T. -0.005 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

C5

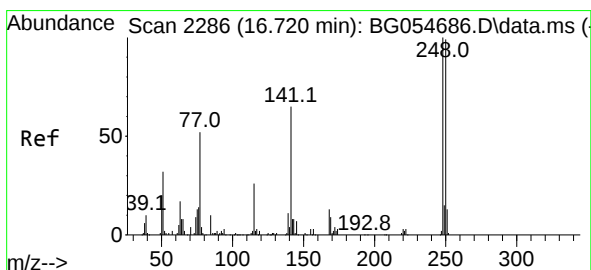
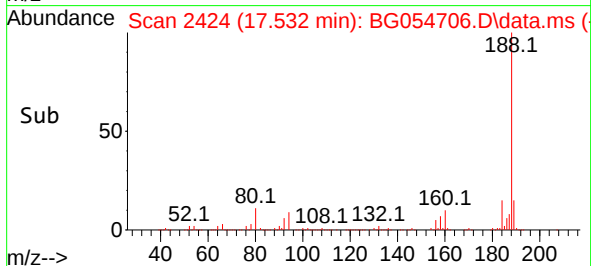
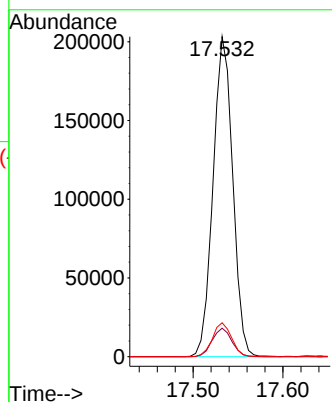
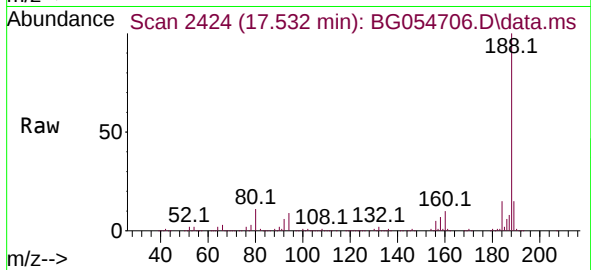
Tgt Ion:188 Resp: 308852

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 10.6 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.653 ng

RT: 16.269 min Scan# 2209

Delta R.T. -0.451 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

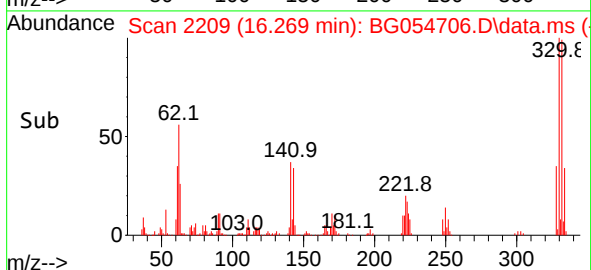
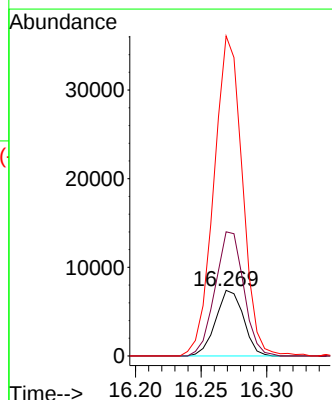
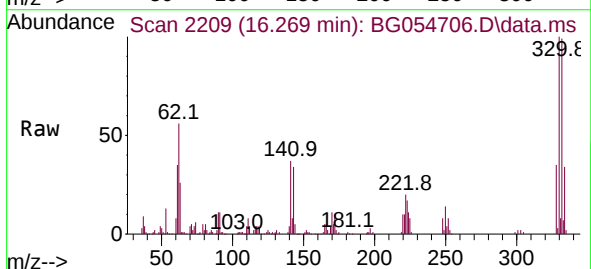
Tgt Ion:248 Resp: 10860

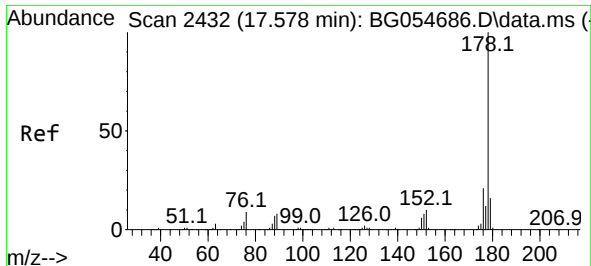
Ion Ratio Lower Upper

248 100

250 189.2 78.8 118.2#

141 487.8 51.9 77.9#

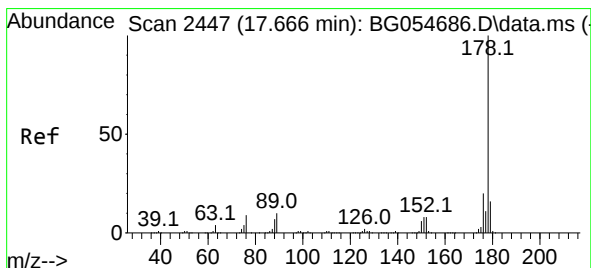
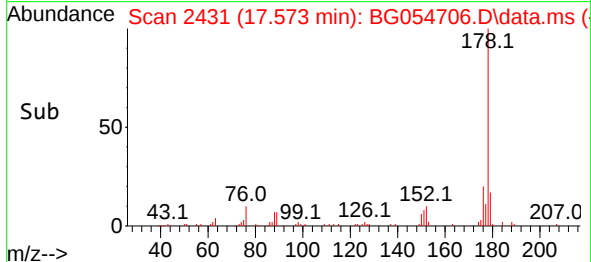
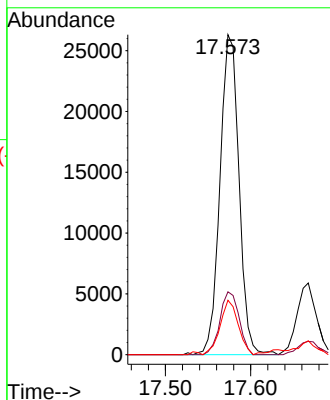
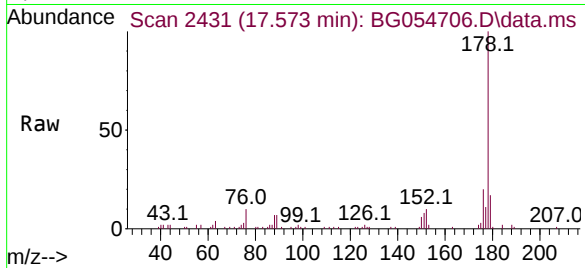




#71
Phenanthrene
Concen: 2.482 ng
RT: 17.573 min Scan# 2431
Delta R.T. -0.005 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

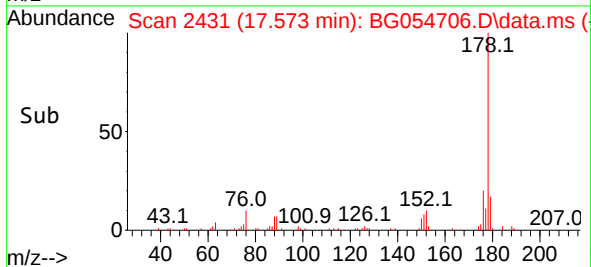
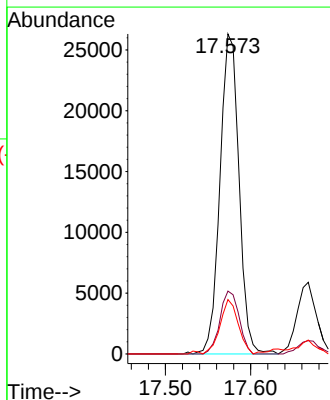
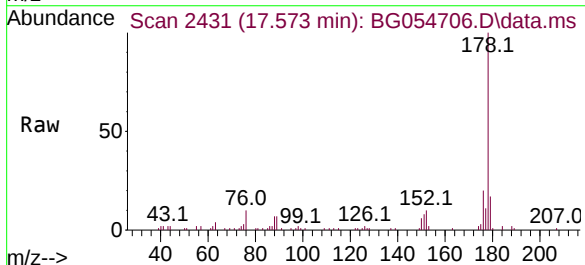
Instrument :
BNA_G
ClientSampleId :
C5

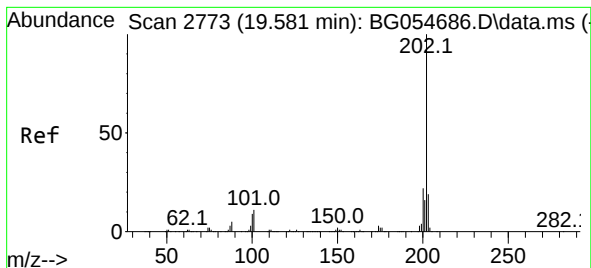
Tgt Ion:178 Resp: 40862
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 17.0 12.8 19.2



#72
Anthracene
Concen: 2.561 ng
RT: 17.573 min Scan# 2431
Delta R.T. -0.093 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:178 Resp: 40862
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 17.0 12.9 19.3





#75

Fluoranthene

Concen: 5.513 ng

RT: 19.577 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

C5

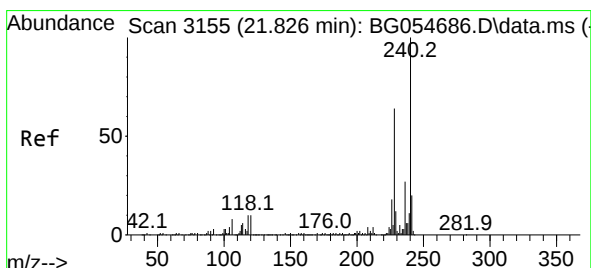
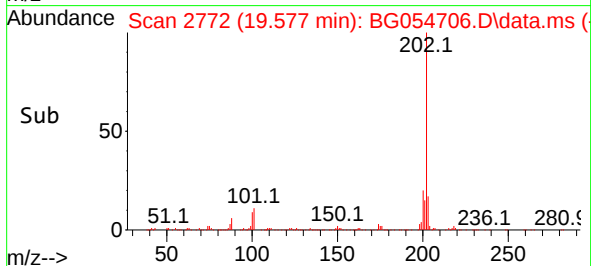
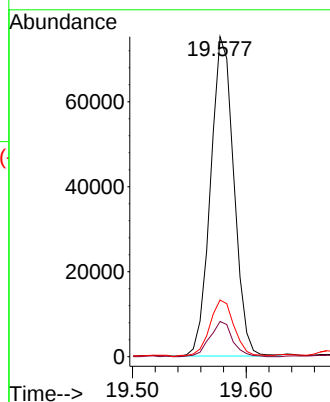
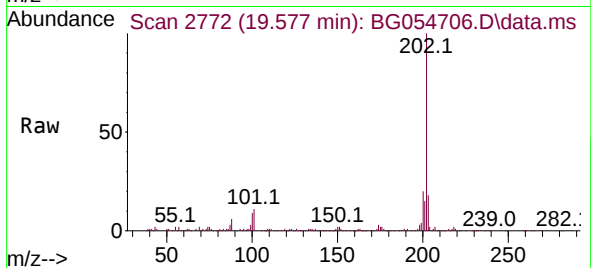
Tgt Ion:202 Resp: 106996

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

203 17.7 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.827 min Scan# 3155

Delta R.T. 0.001 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

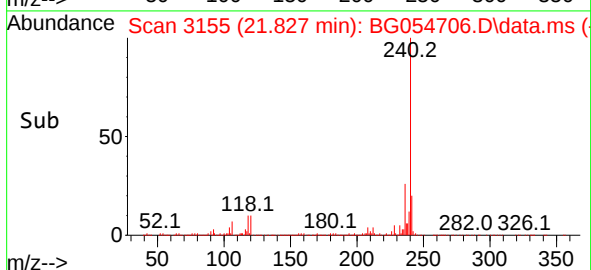
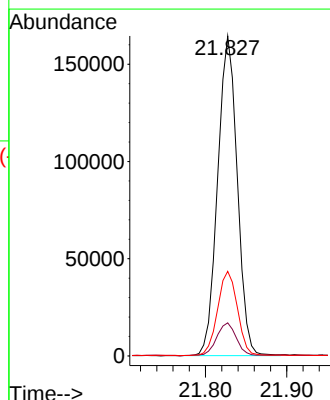
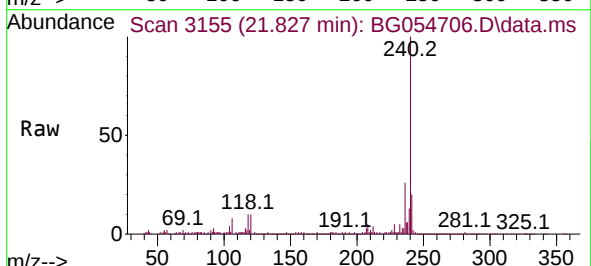
Tgt Ion:240 Resp: 275544

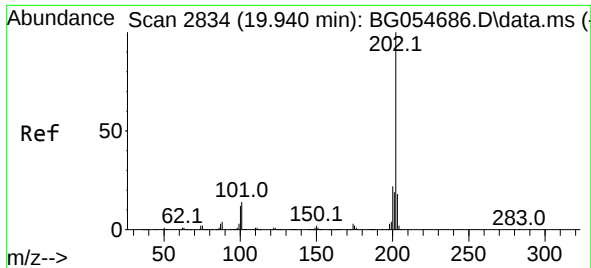
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.4

236 26.5 21.2 31.8

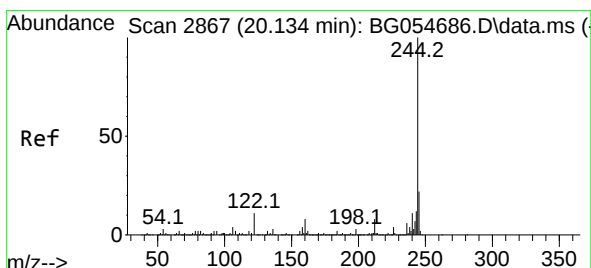
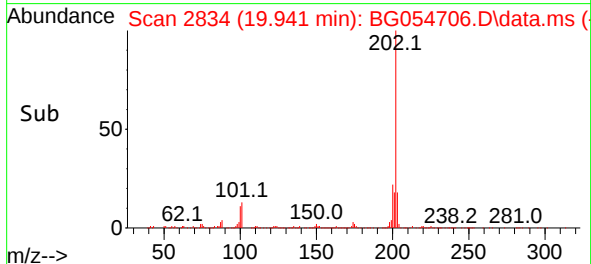
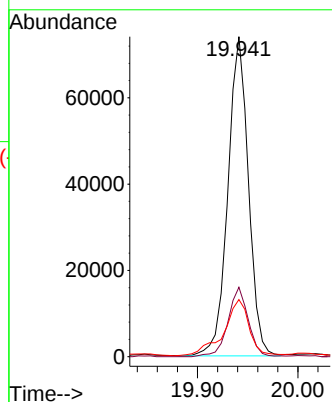
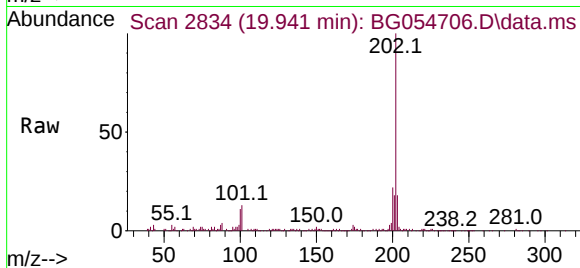




#78
Pyrene
Concen: 5.418 ng
RT: 19.941 min Scan# 2834
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

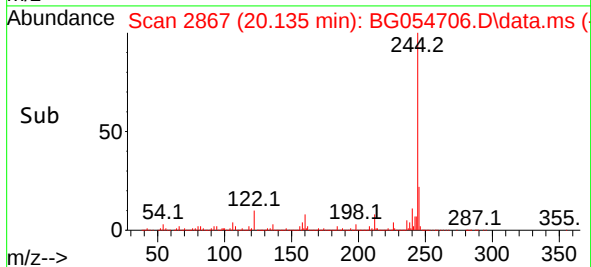
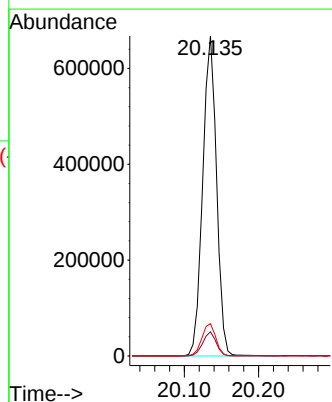
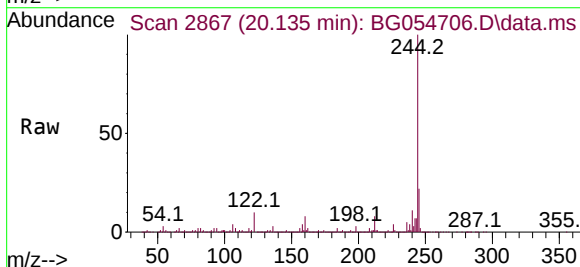
Instrument :
BNA_G
ClientSampleId :
C5

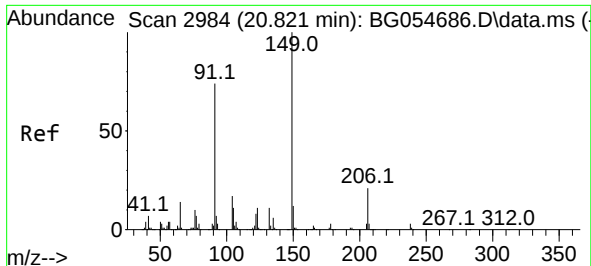
Tgt Ion:202 Resp: 105301
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 62.409 ng
RT: 20.135 min Scan# 2867
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:244 Resp: 865683
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 10.1 9.0 13.6

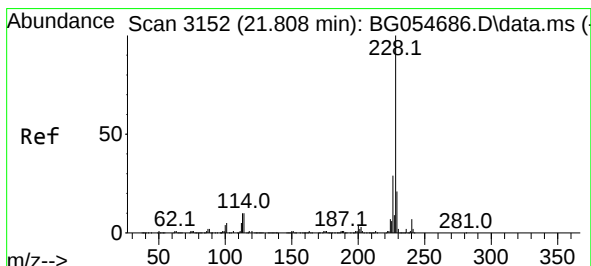
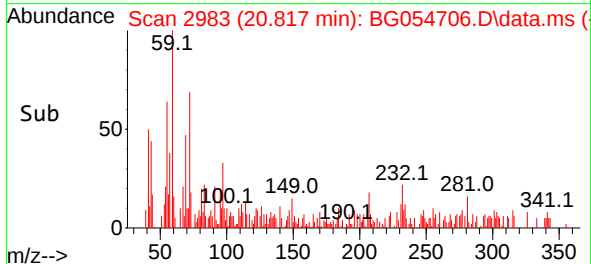
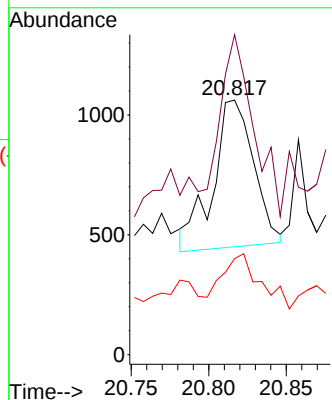
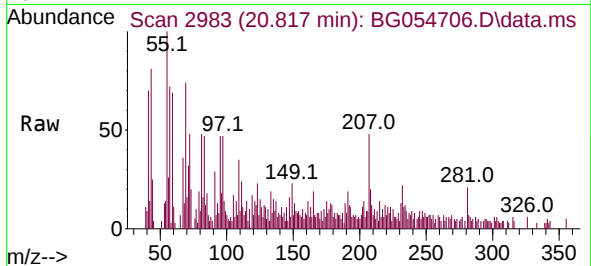




#80
Butylbenzylphthalate
Concen: 5.309 ng
RT: 20.817 min Scan# 2984
Delta R.T. -0.004 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

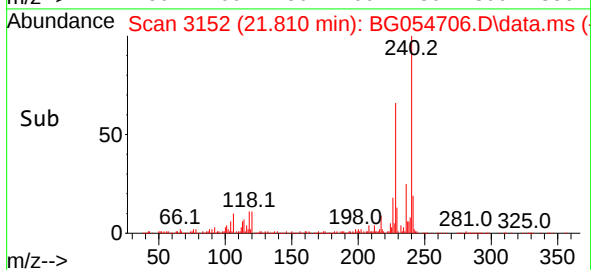
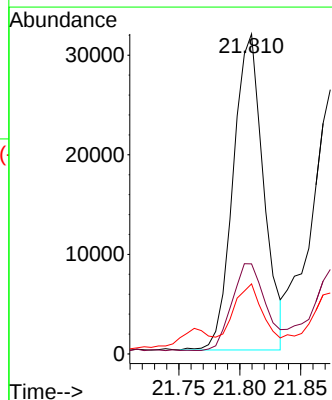
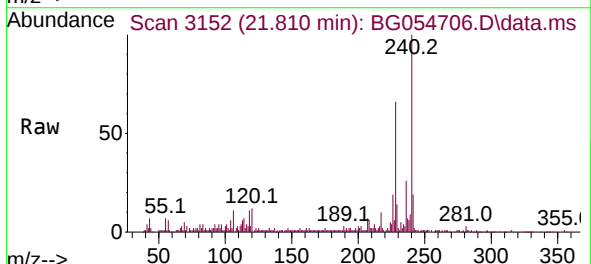
Instrument :
BNA_G
ClientSampleId :
C5

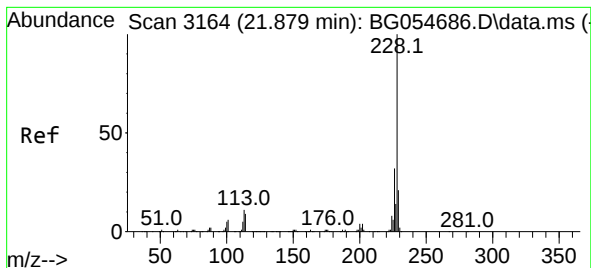
Tgt Ion:149 Resp: 1119
Ion Ratio Lower Upper
149 100
91 125.7 59.5 89.3#
206 37.8 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 2.935 ng
RT: 21.810 min Scan# 3152
Delta R.T. 0.001 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:228 Resp: 54934
Ion Ratio Lower Upper
228 100
226 28.2 23.4 35.2
229 21.9 16.5 24.7





#83

Chrysene

Concen: 2.761 ng

RT: 21.874 min Scan# 3164

Delta R.T. -0.005 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

Instrument :

BNA_G

ClientSampleId :

C5

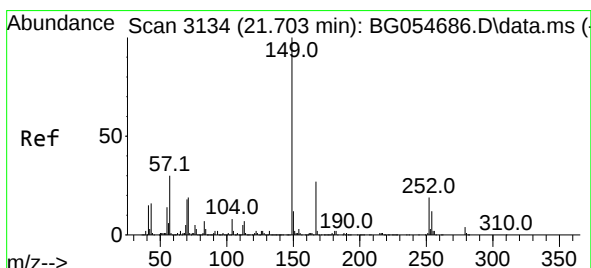
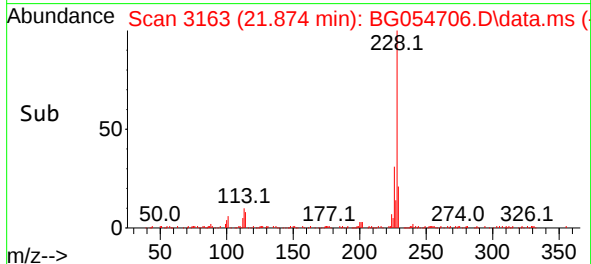
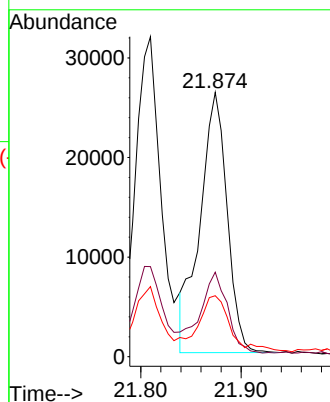
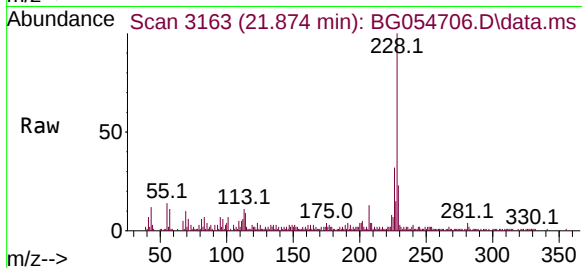
Tgt Ion:228 Resp: 49176

Ion Ratio Lower Upper

228 100

226 32.0 25.5 38.3

229 23.1 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.549 ng

RT: 21.704 min Scan# 3134

Delta R.T. 0.001 min

Lab File: BG054706.D

Acq: 23 Aug 2022 14:03

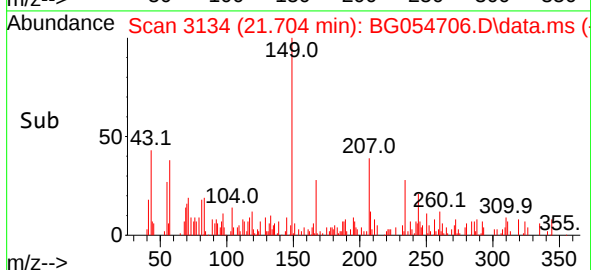
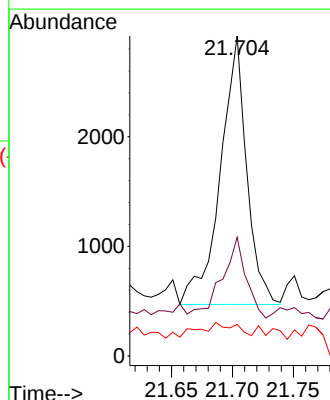
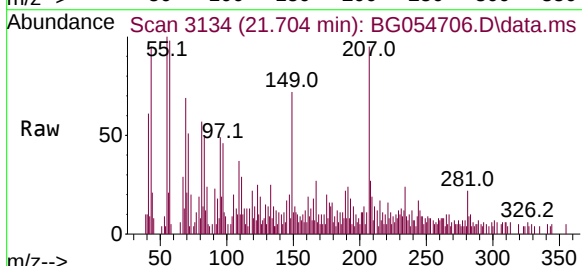
Tgt Ion:149 Resp: 3690

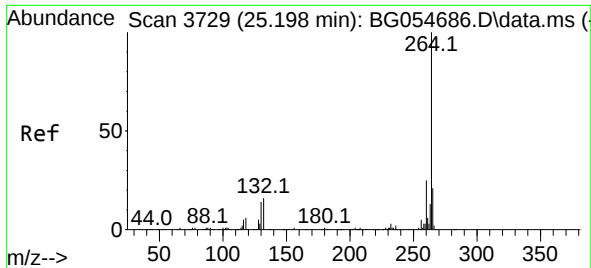
Ion Ratio Lower Upper

149 100

167 37.1 21.4 32.0#

279 9.8 3.1 4.7#

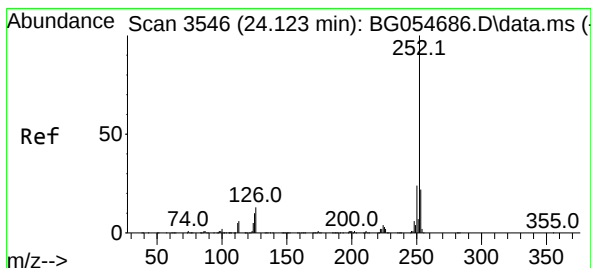
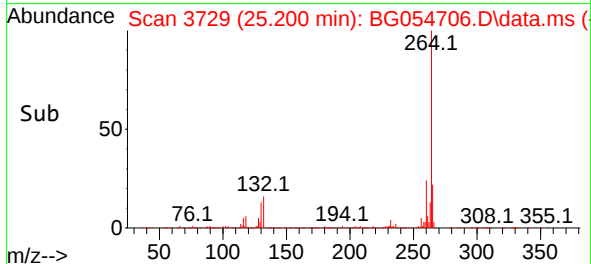
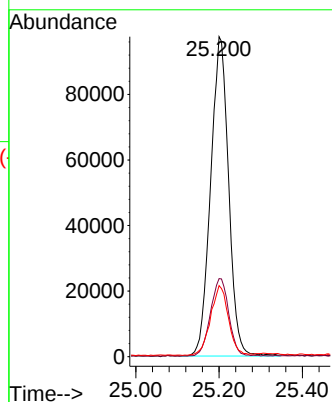
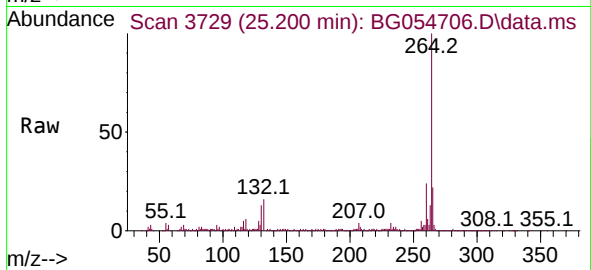




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.200 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG054706.D
 Acq: 23 Aug 2022 14:03

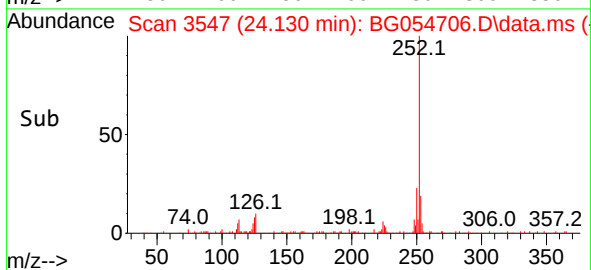
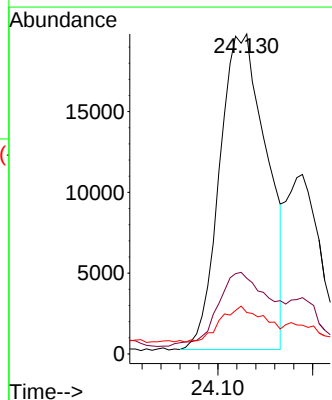
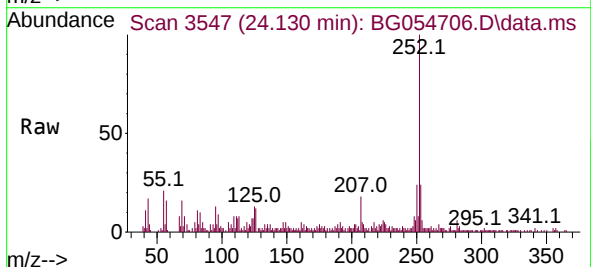
Instrument :
 BNA_G
 ClientSampleId :
 C5

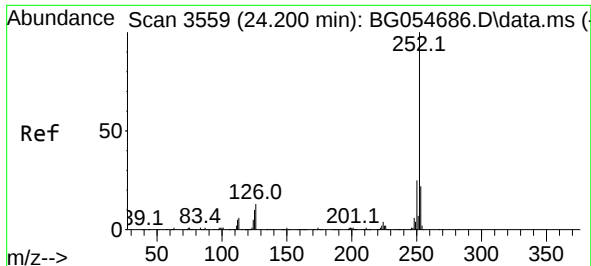
Tgt Ion:264 Resp: 291985
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.9 29.9
 265 22.2 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 3.711 ng
 RT: 24.130 min Scan# 3547
 Delta R.T. 0.007 min
 Lab File: BG054706.D
 Acq: 23 Aug 2022 14:03

Tgt Ion:252 Resp: 67286
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.0 27.0
 125 13.0 8.1 12.1#

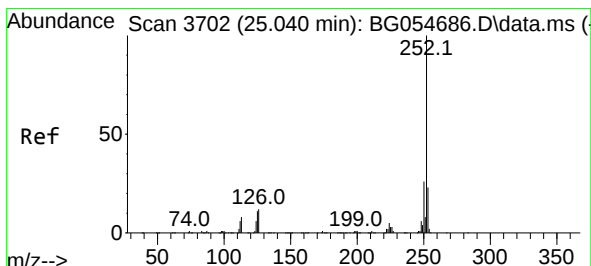
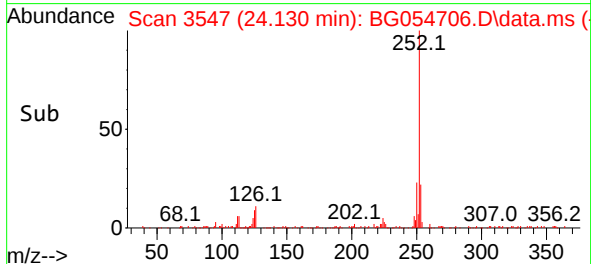
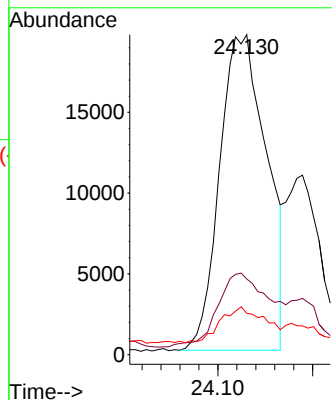
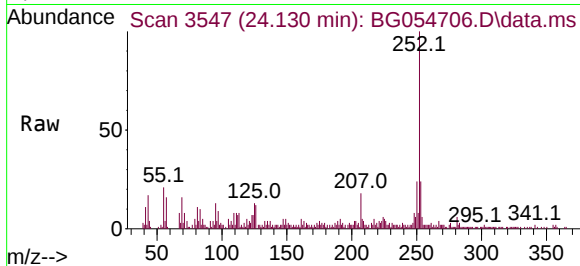




#89
Benzo(k)fluoranthene
Concen: 3.596 ng
RT: 24.130 min Scan# 31
Delta R.T. -0.069 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Instrument :
BNA_G
ClientSampleId :
C5

Tgt Ion:252 Resp: 67286
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 13.0 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 3.384 ng
RT: 25.035 min Scan# 3701
Delta R.T. -0.005 min
Lab File: BG054706.D
Acq: 23 Aug 2022 14:03

Tgt Ion:252 Resp: 52667
Ion Ratio Lower Upper
252 100
253 24.9 18.3 27.5
125 14.8 8.8 13.2#

