

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057914.D
 Acq On : 29 Jun 2023 21:38
 Operator : CG/JU
 Sample : 03434-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 350

Quant Time: Jun 30 03:45:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

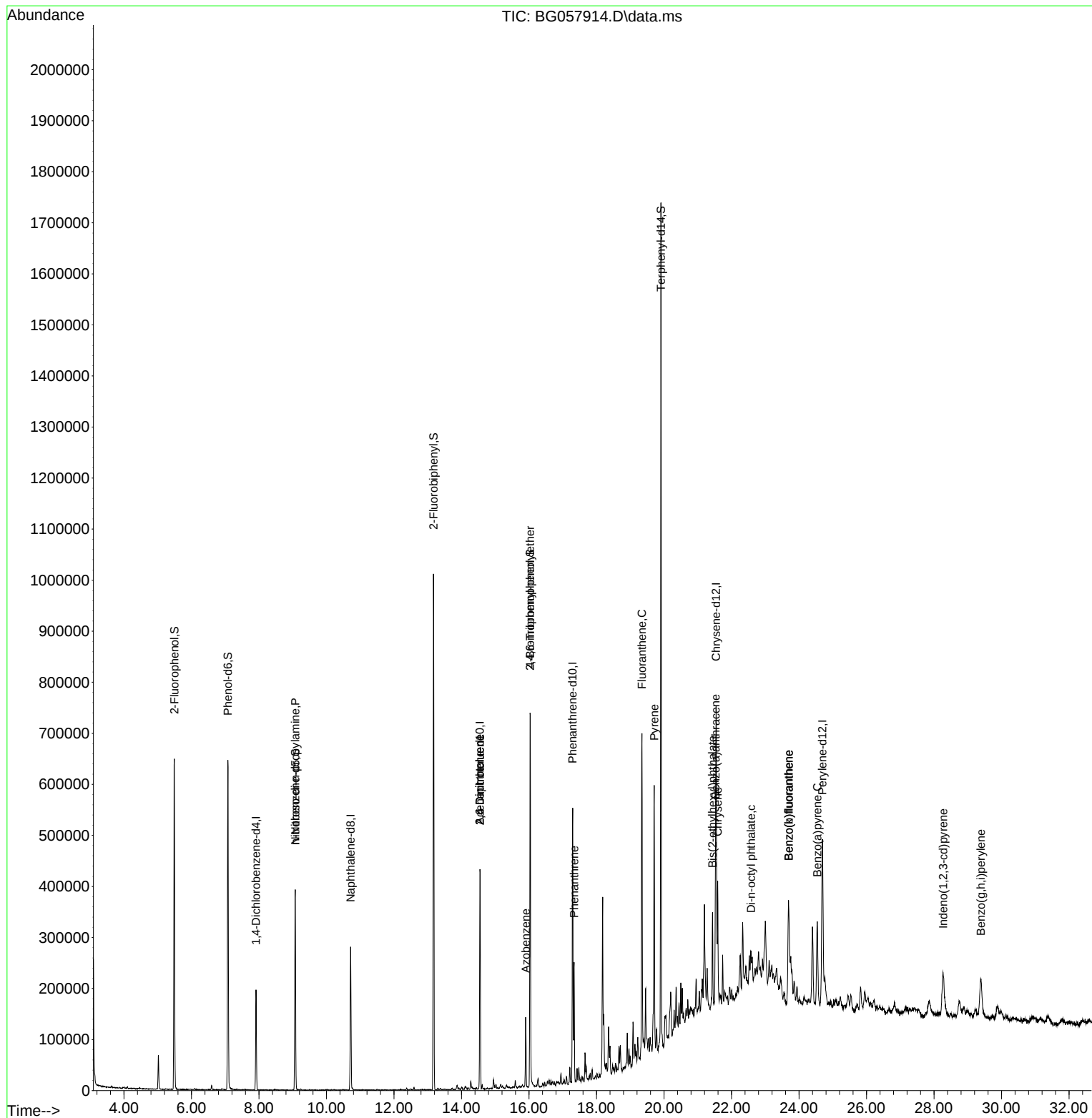
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	54304	20.000	ng	-0.01
21) Naphthalene-d8	10.714	136	235702	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	157545	20.000	ng	-0.01
64) Phenanthrene-d10	17.294	188	343949	20.000	ng	0.00
76) Chrysene-d12	21.542	240	287389	20.000	ng	-0.01
86) Perylene-d12	24.692	264	356250	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	289499	81.566	ng	0.00
7) Phenol-d6	7.077	99	404158	76.149	ng	0.00
23) Nitrobenzene-d5	9.075	82	239921	49.885	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	166418	62.891	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	543770	52.672	ng	-0.01
79) Terphenyl-d14	19.909	244	802236	50.891	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.071	77	847	Below Cal	#	24
19) n-Nitroso-di-n-propyla...	9.075	70	29447	8.292	ng	# 77
51) 2,6-Dinitrotoluene	14.545	165	20952	8.081	ng	# 25
57) 2,4-Dinitrotoluene	14.545	165	20952	5.569	ng	# 22
63) Azobenzene	15.902	77	38318	3.044	ng	# 1
67) 4-Bromophenyl-phenylether	16.031	248	9991	2.752	ng	# 1
71) Phenanthrene	17.336	178	144892	8.776	ng	99
75) Fluoranthene	19.345	202	315001	15.144	ng	99
78) Pyrene	19.709	202	325211	15.848	ng	98
81) Benzo(a)anthracene	21.525	228	144734	7.277	ng	99
83) Chrysene	21.589	228	183198	9.732	ng	96
84) Bis(2-ethylhexyl)phtha...	21.437	149	67838	5.742	ng	99
85) Di-n-octyl phthalate	22.582	149	47447	2.276	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.270	276	153175	6.490	ng	95
88) Benzo(b)fluoranthene	23.693	252	239231	12.312	ng	98
89) Benzo(k)fluoranthene	23.693	252	239231	12.182	ng	98
90) Benzo(a)pyrene	24.539	252	183383	9.528	ng	96
92) Benzo(g,h,i)perylene	29.386	276	177900	9.144	ng	98

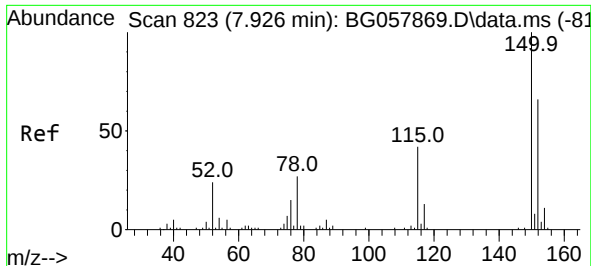
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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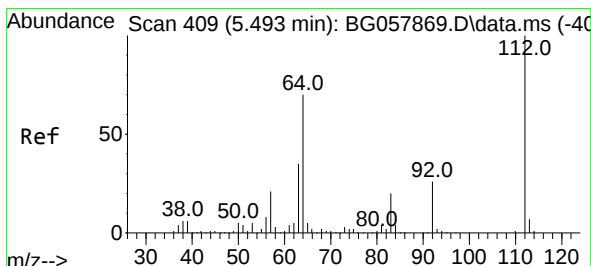
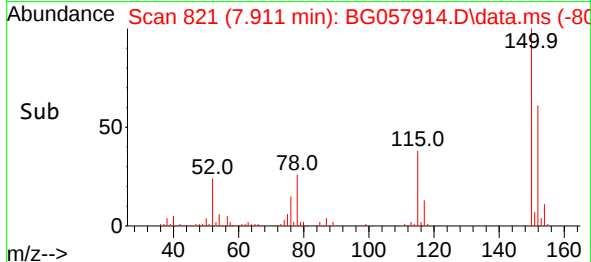
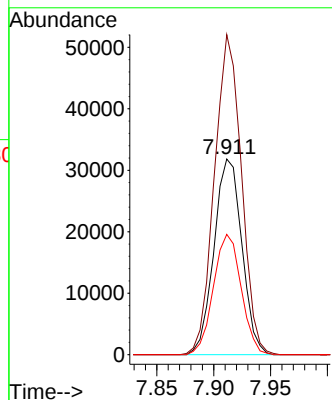
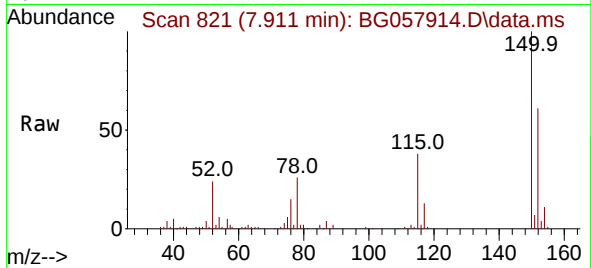




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

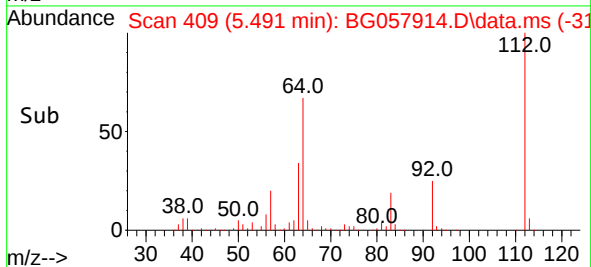
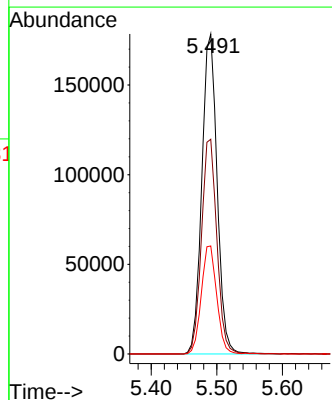
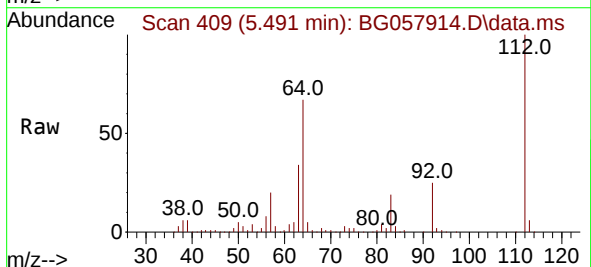
Instrument :
BNA_G
ClientSampleId :
350

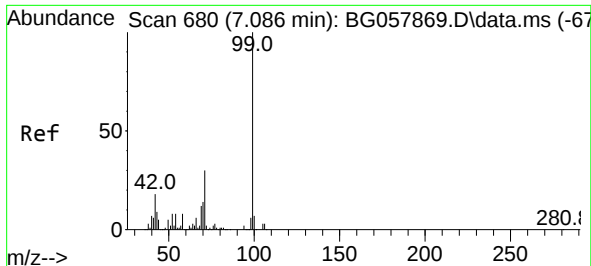
Tgt Ion:152 Resp: 54304
Ion Ratio Lower Upper
152 100
150 163.5 122.0 183.0
115 61.5 50.7 76.1



#5
2-Fluorophenol
Concen: 81.566 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:112 Resp: 289499
Ion Ratio Lower Upper
112 100
64 67.1 55.8 83.6
63 33.7 27.9 41.9

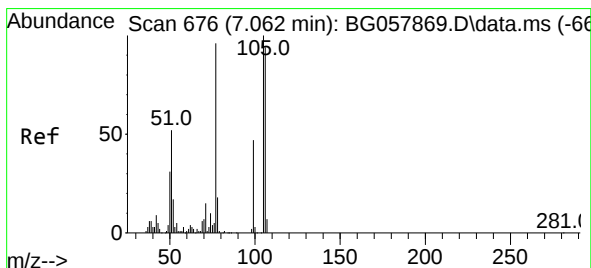
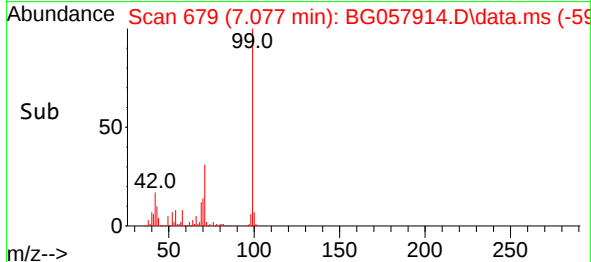
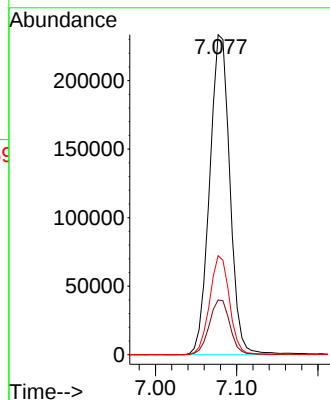
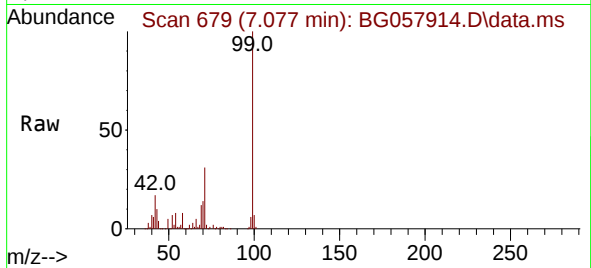




#7
Phenol-d6
Concen: 76.149 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

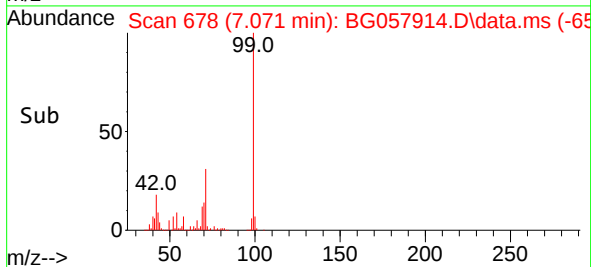
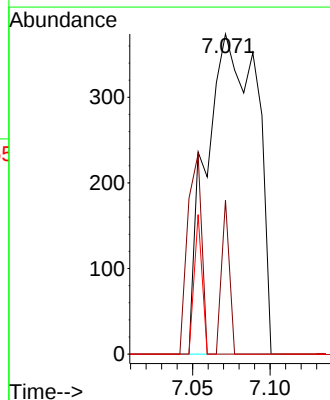
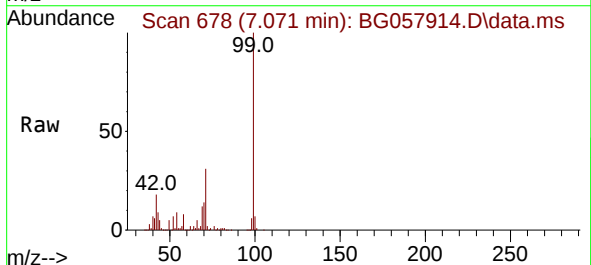
Instrument :
BNA_G
ClientSampleId :
350

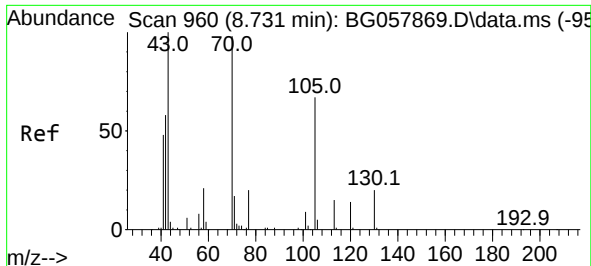
Tgt Ion: 99 Resp: 404158
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 31.0 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.071 min Scan# 678
Delta R.T. 0.009 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion: 77 Resp: 847
Ion Ratio Lower Upper
77 100
105 48.1 83.7 123.7#
106 0.0 77.4 117.4#

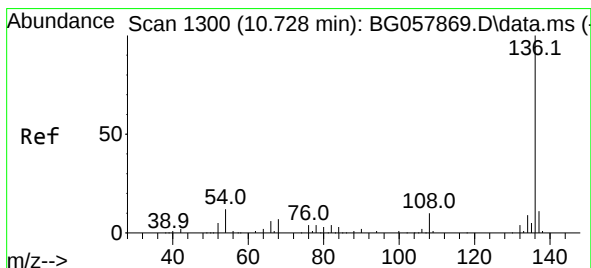
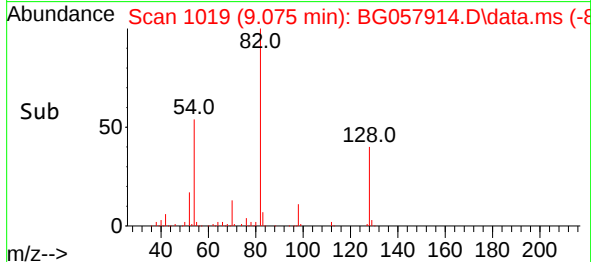
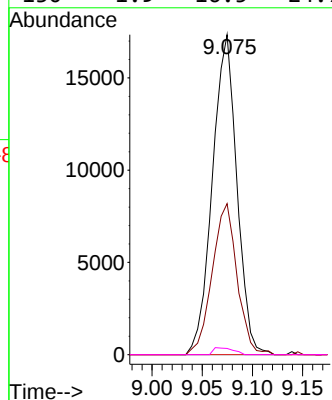
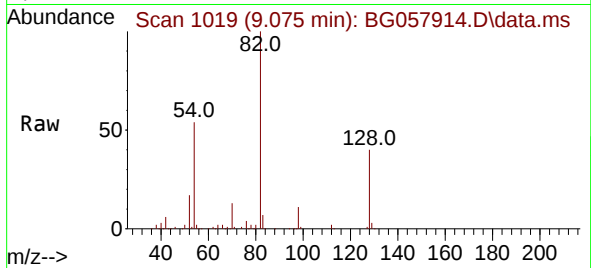




#19
n-Nitroso-di-n-propylamine
Concen: 8.292 ng
RT: 9.075 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

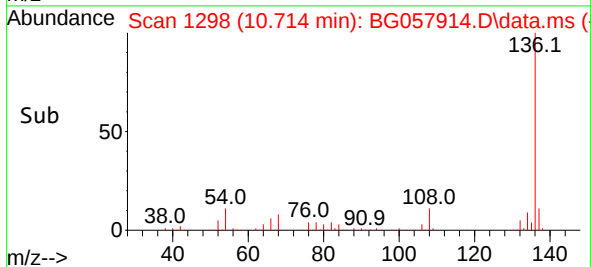
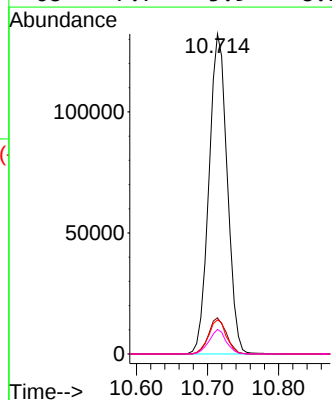
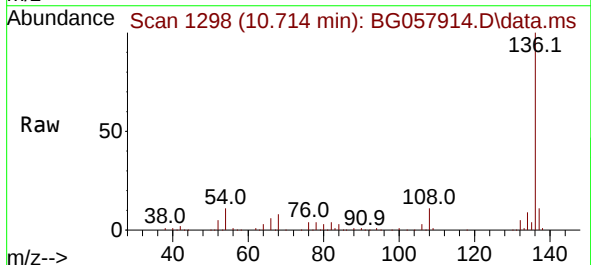
Instrument :
BNA_G
ClientSampleId :
350

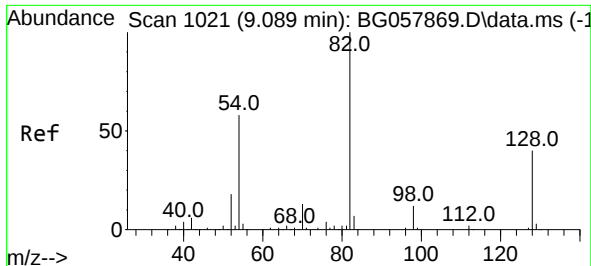
Tgt Ion: 70 Resp: 29447
Ion Ratio Lower Upper
70 100
42 47.2 48.4 72.6#
101 0.0 7.2 10.8#
130 1.9 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion: 136 Resp: 235702
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.7 9.3 13.9
68 7.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 49.885 ng

RT: 9.075 min Scan# 1019

Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

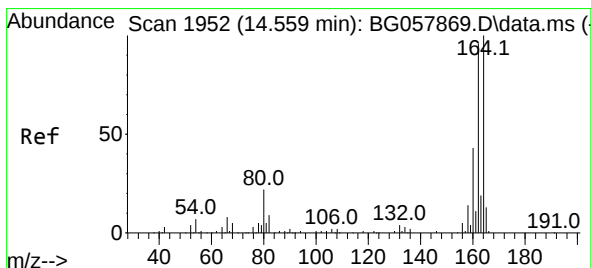
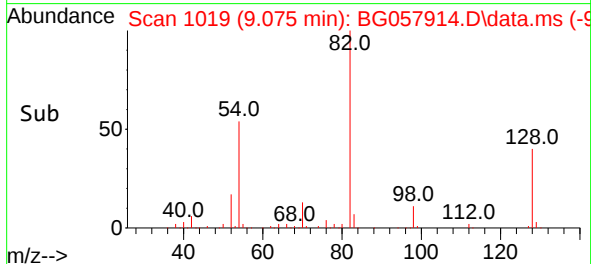
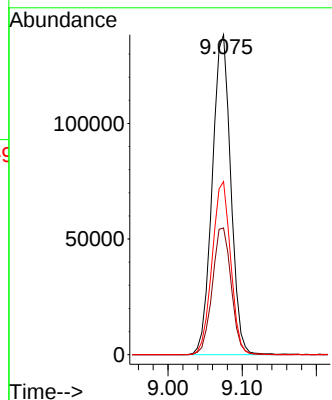
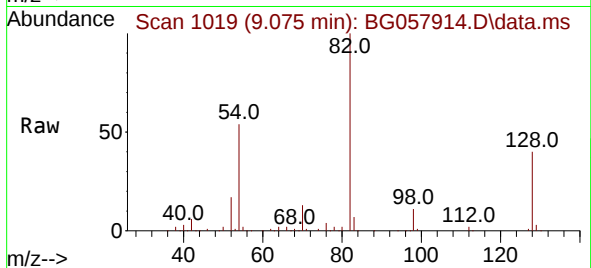
Tgt Ion: 82 Resp: 239921

Ion Ratio Lower Upper

82 100

128 39.6 32.2 48.4

54 54.1 46.1 69.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1950

Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

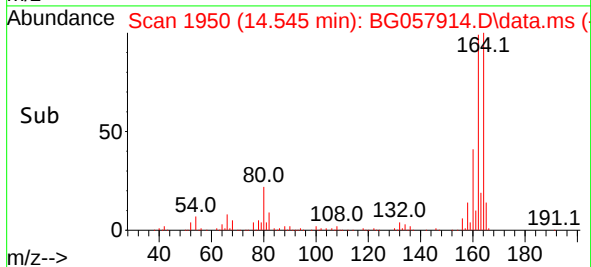
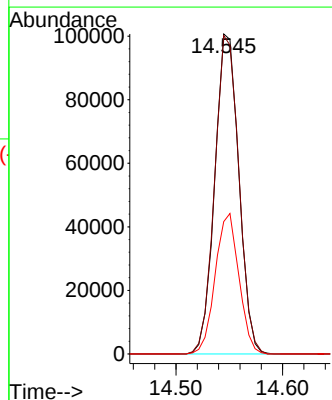
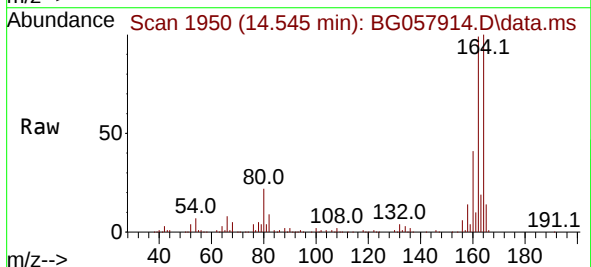
Tgt Ion:164 Resp: 157545

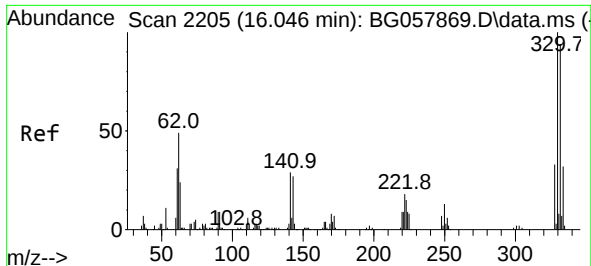
Ion Ratio Lower Upper

164 100

162 99.5 76.4 114.6

160 41.3 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 62.891 ng

RT: 16.037 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

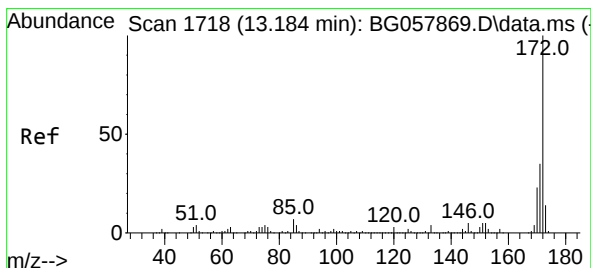
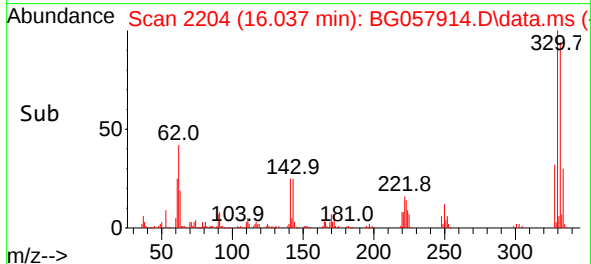
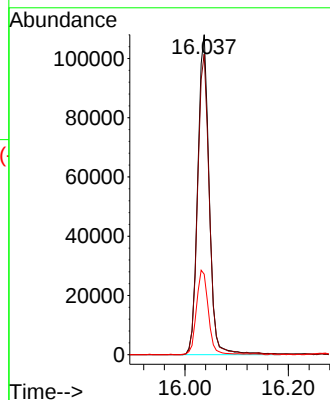
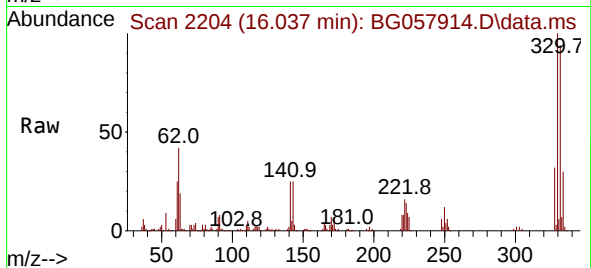
Tgt Ion:330 Resp: 166418

Ion Ratio Lower Upper

330 100

332 94.6 77.1 115.7

141 27.4 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 52.672 ng

RT: 13.170 min Scan# 1716

Delta R.T. -0.014 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

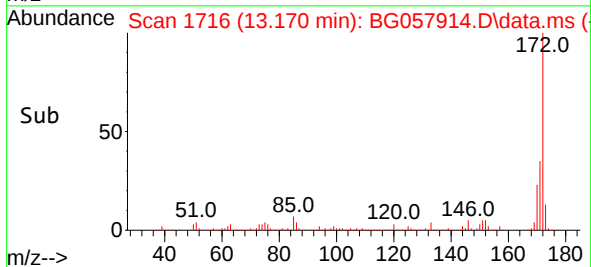
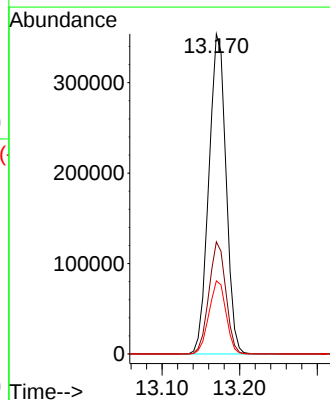
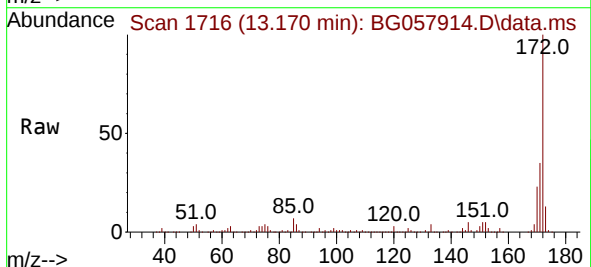
Tgt Ion:172 Resp: 543770

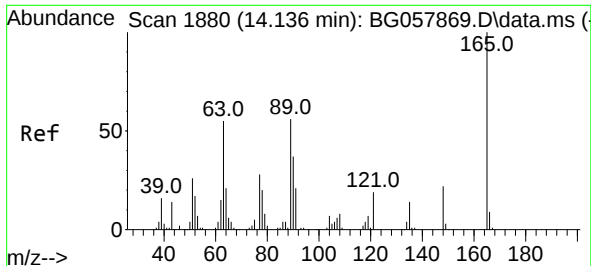
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.8

170 22.8 18.6 27.8

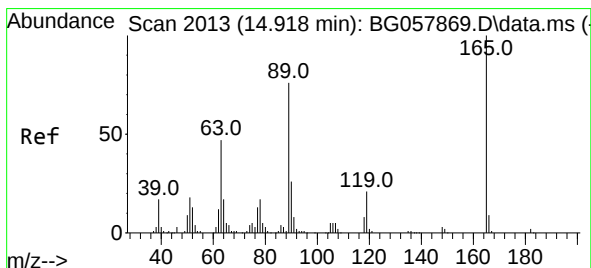
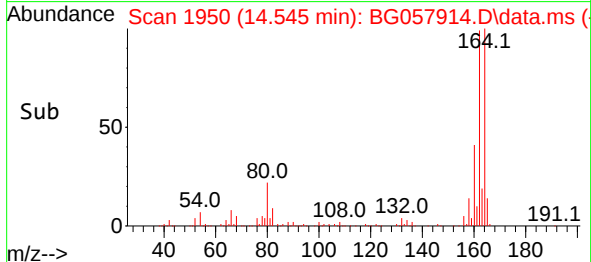
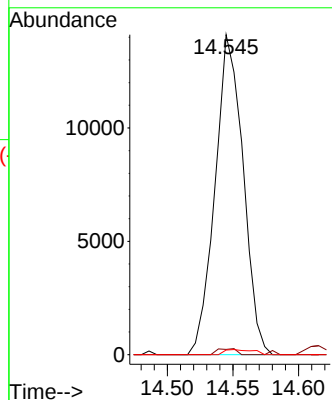
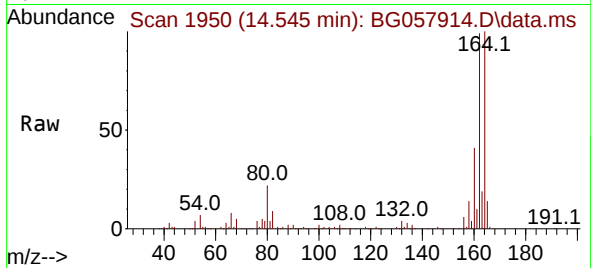




#51
2,6-Dinitrotoluene
Concen: 8.081 ng
RT: 14.545 min Scan# 1950
Delta R.T. 0.409 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

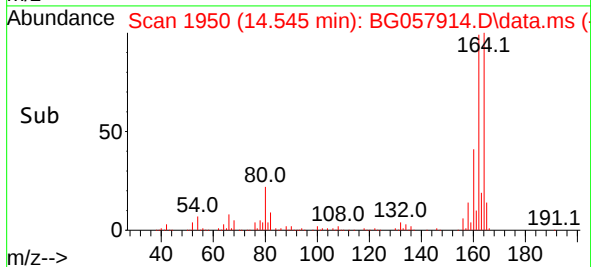
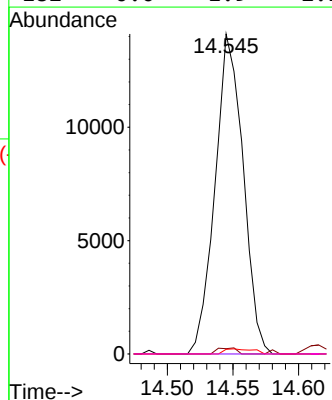
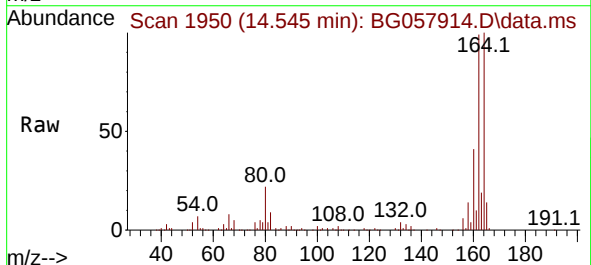
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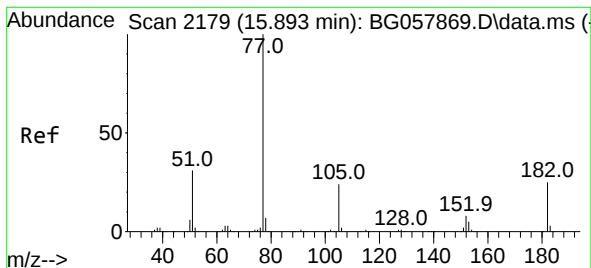
Tgt Ion:165 Resp: 20952
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 1.5 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.569 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.373 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:165 Resp: 20952
Ion Ratio Lower Upper
165 100
63 1.7 37.6 56.4#
89 1.5 61.0 91.4#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 3.044 ng

RT: 15.902 min Scan# 2179

Delta R.T. 0.009 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

Tgt Ion: 77 Resp: 38318

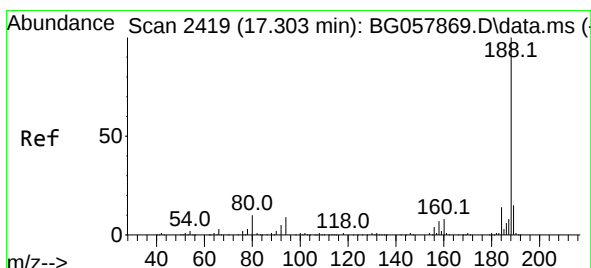
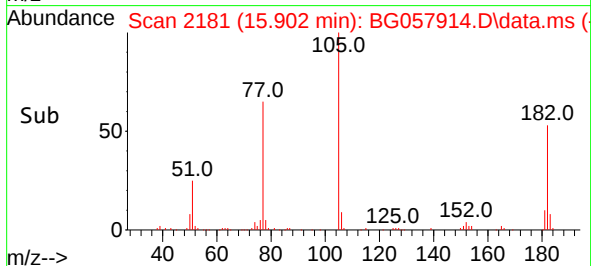
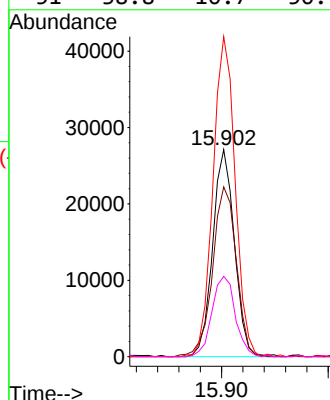
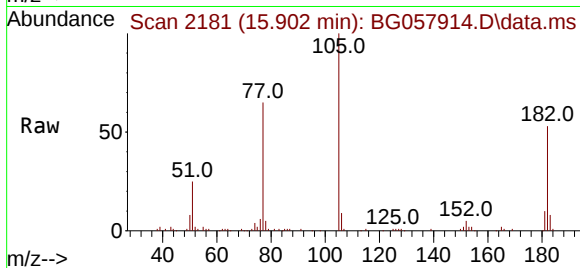
Ion Ratio Lower Upper

77 100

182 82.0 5.1 45.1#

105 154.6 3.9 43.9#

51 38.8 10.7 50.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.294 min Scan# 2418

Delta R.T. -0.008 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

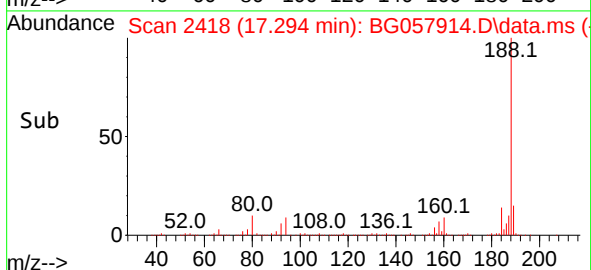
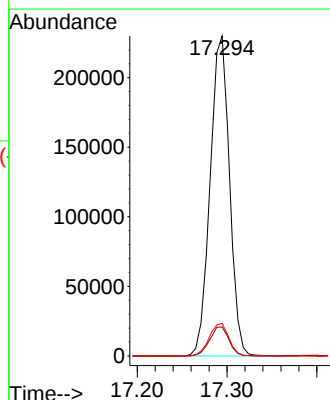
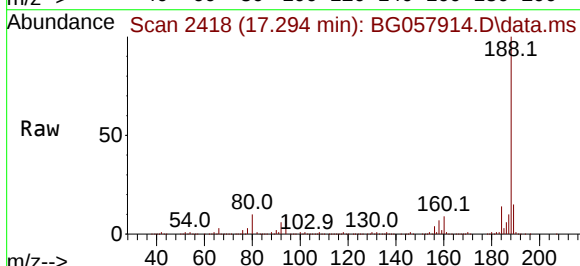
Tgt Ion:188 Resp: 343949

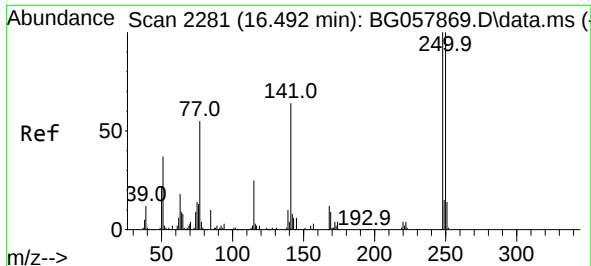
Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 10.1 8.4 12.6

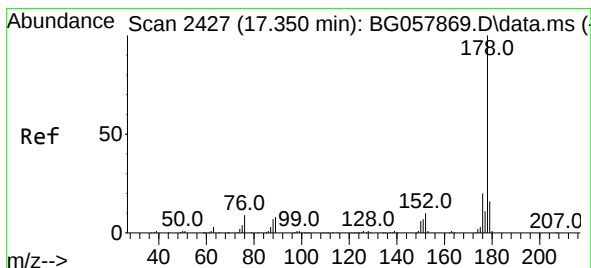
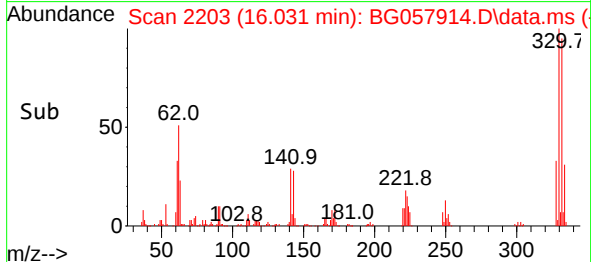
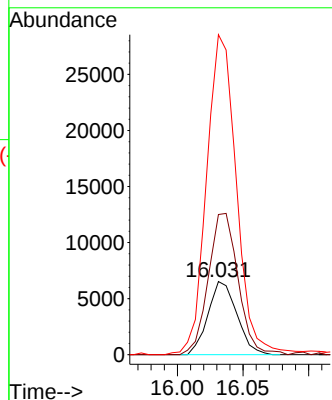
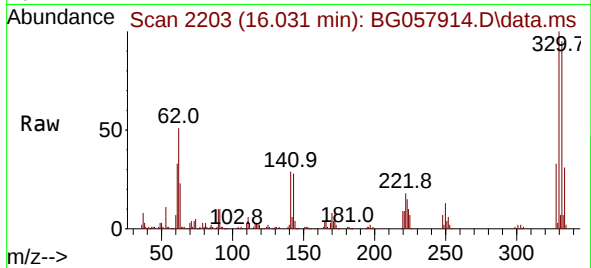




#67
4-Bromophenyl-phenylether
Concen: 2.752 ng
RT: 16.031 min Scan# 21
Delta R.T. -0.461 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

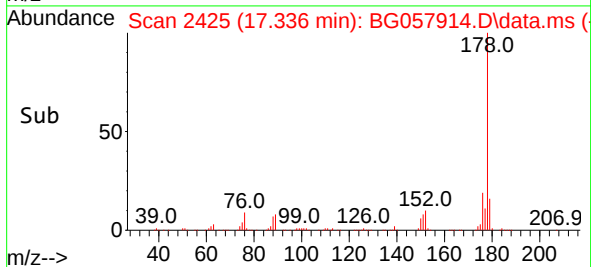
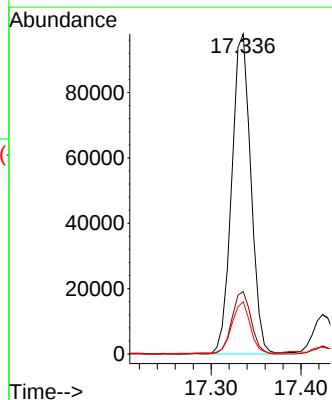
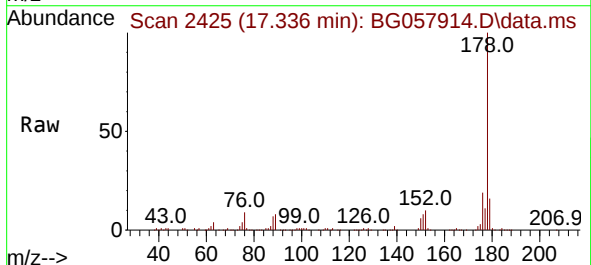
Instrument :
BNA_G
ClientSampleId :
350

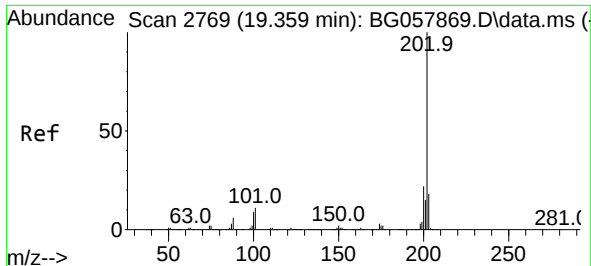
Tgt Ion:248 Resp: 9991
Ion Ratio Lower Upper
248 100
250 191.7 79.7 119.5#
141 437.8 50.8 76.2#



#71
Phenanthrene
Concen: 8.776 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:178 Resp: 144892
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 16.3 13.2 19.8

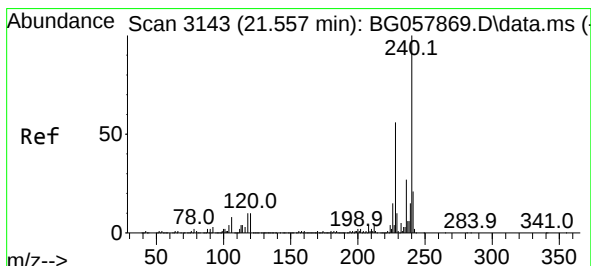
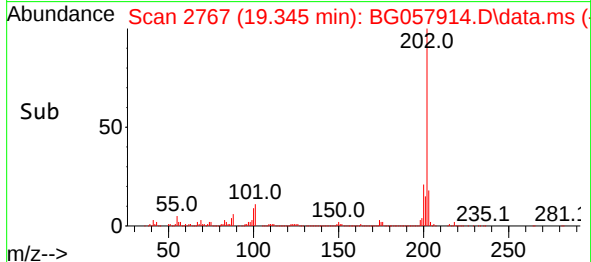
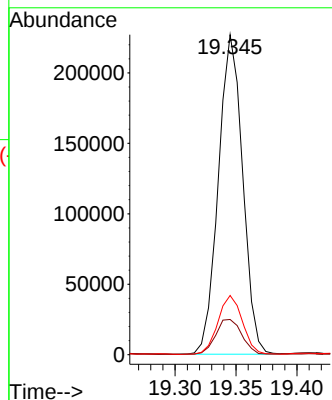
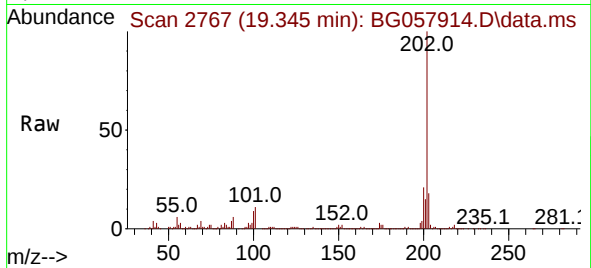




#75
Fluoranthene
Concen: 15.144 ng
RT: 19.345 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

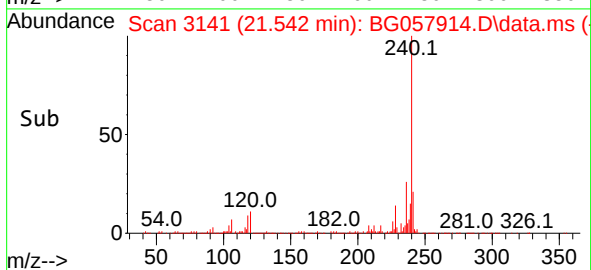
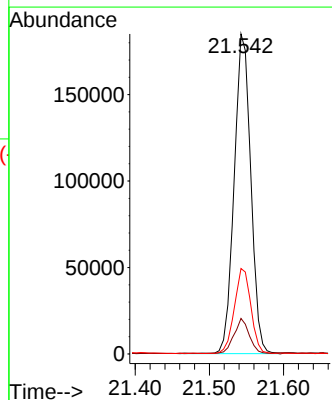
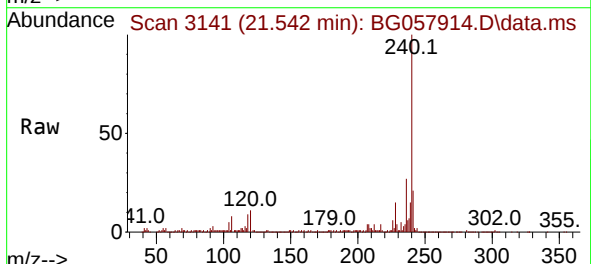
Instrument :
BNA_G
ClientSampleId :
350

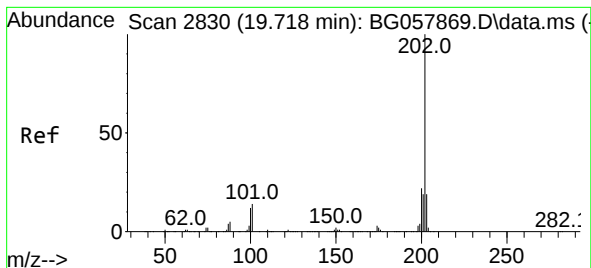
Tgt Ion:202 Resp: 315001
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 18.5 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.542 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:240 Resp: 287389
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 26.7 21.9 32.9





#78

Pyrene

Concen: 15.848 ng

RT: 19.709 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

Instrument :

BNA_G

ClientSampleId :

350

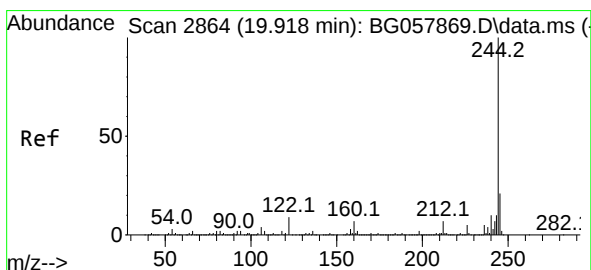
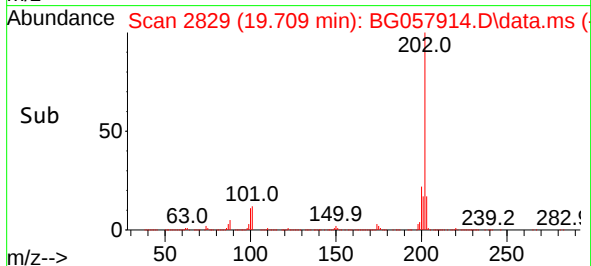
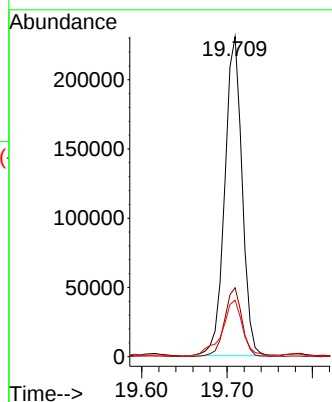
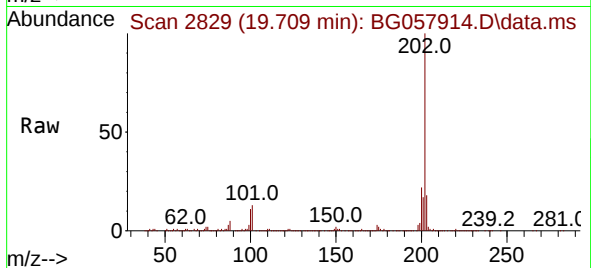
Tgt Ion:202 Resp: 325211

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

203 17.6 15.2 22.8



#79

Terphenyl-d14

Concen: 50.891 ng

RT: 19.909 min Scan# 2863

Delta R.T. -0.008 min

Lab File: BG057914.D

Acq: 29 Jun 2023 21:38

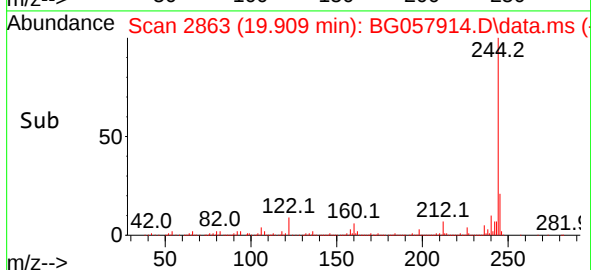
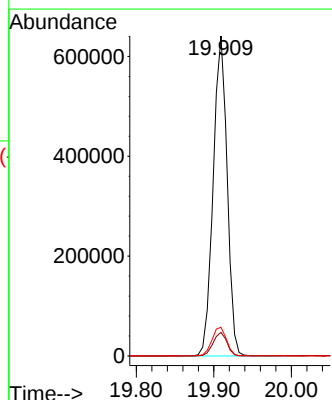
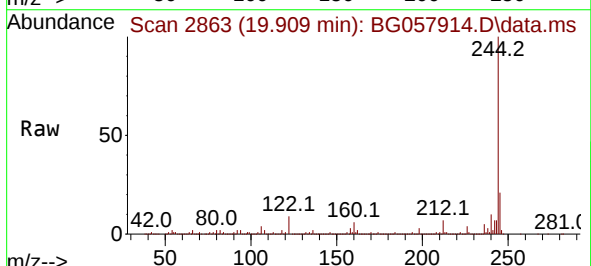
Tgt Ion:244 Resp: 802236

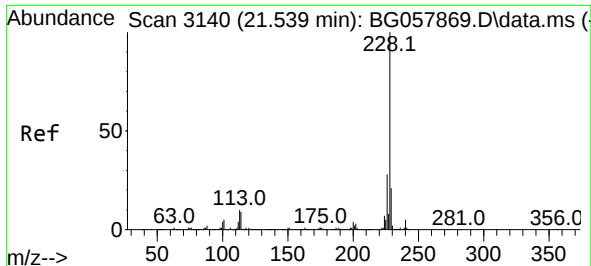
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.0 7.4 11.0

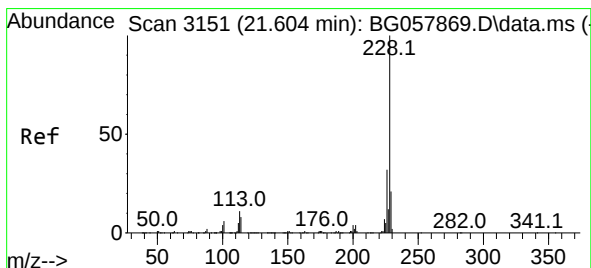
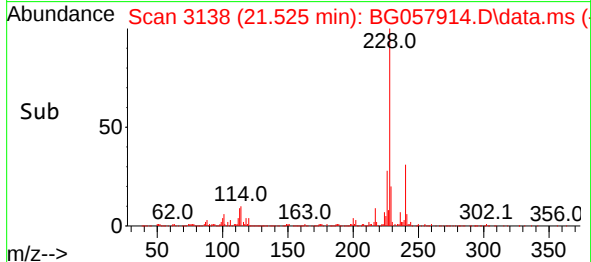
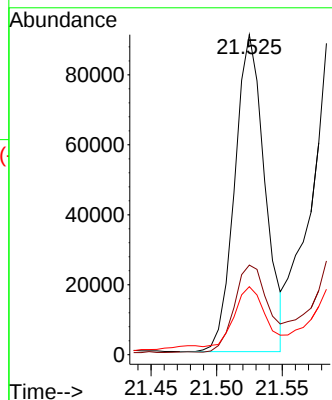
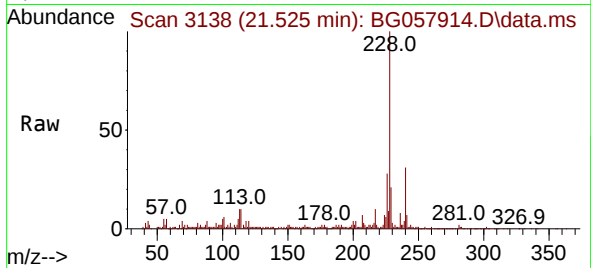




#81
Benzo(a)anthracene
Concen: 7.277 ng
RT: 21.525 min Scan# 3140
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

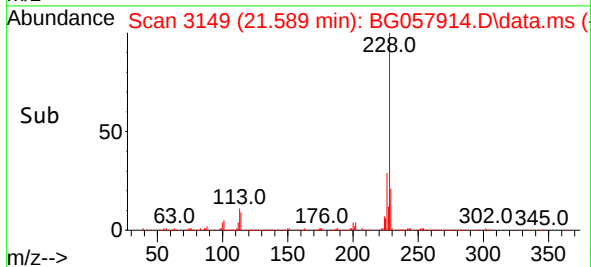
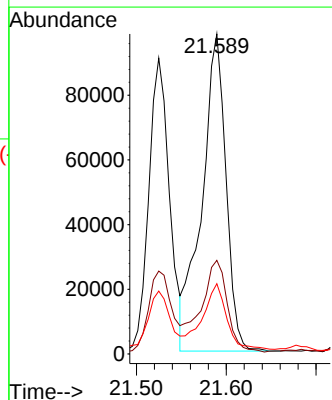
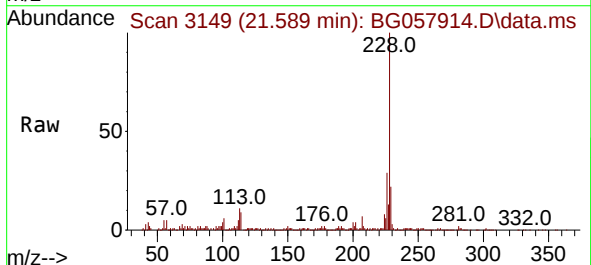
Instrument :
BNA_G
ClientSampleId :
350

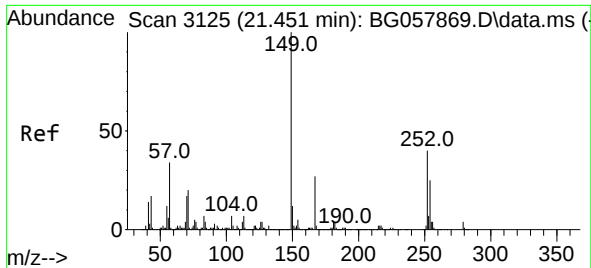
Tgt Ion:228 Resp: 144734
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 21.3 16.5 24.7



#83
Chrysene
Concen: 9.732 ng
RT: 21.589 min Scan# 3149
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:228 Resp: 183198
Ion Ratio Lower Upper
228 100
226 29.3 25.3 37.9
229 22.0 16.5 24.7

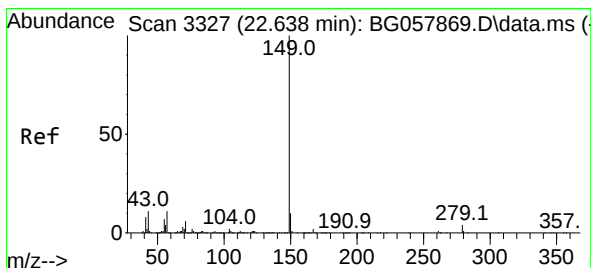
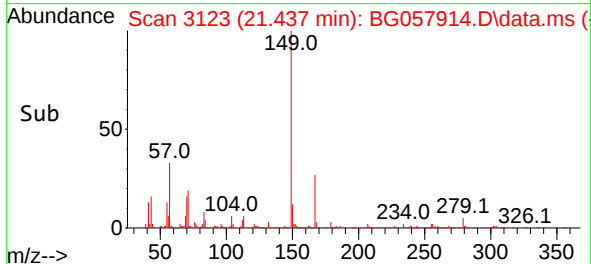
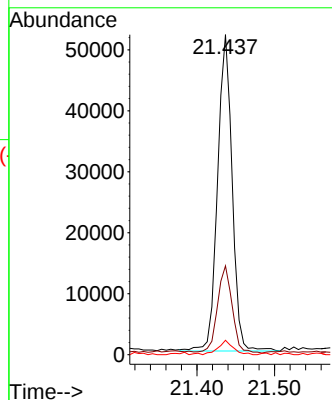
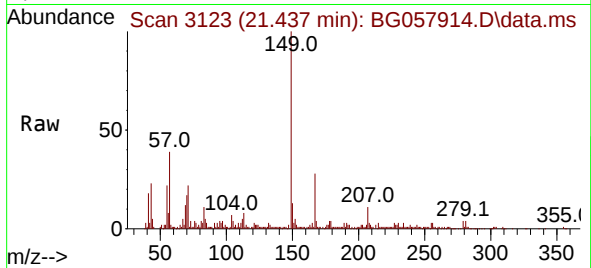




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.742 ng
 RT: 21.437 min Scan# 3123
 Delta R.T. -0.014 min
 Lab File: BG057914.D
 Acq: 29 Jun 2023 21:38

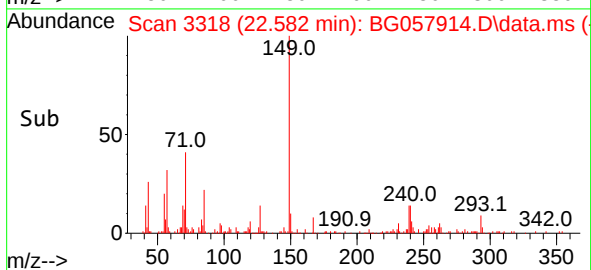
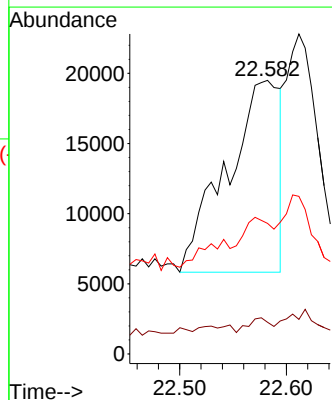
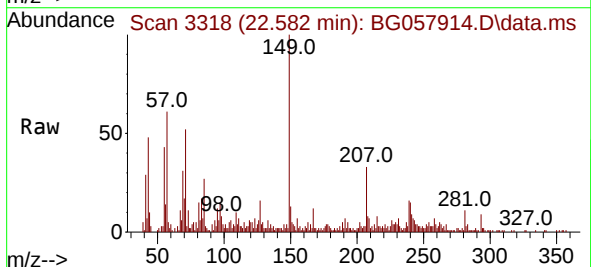
Instrument :
 BNA_G
 ClientSampleId :
 350

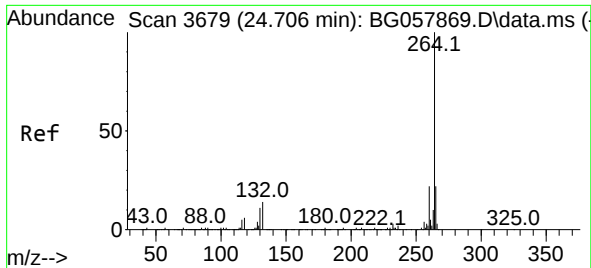
Tgt Ion:149 Resp: 67838
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.8 32.8
 279 4.5 3.0 4.6



#85
 Di-n-octyl phthalate
 Concen: 2.276 ng
 RT: 22.582 min Scan# 3318
 Delta R.T. -0.055 min
 Lab File: BG057914.D
 Acq: 29 Jun 2023 21:38

Tgt Ion:149 Resp: 47447
 Ion Ratio Lower Upper
 149 100
 167 3.0 1.3 1.9#
 43 11.7 9.0 13.4

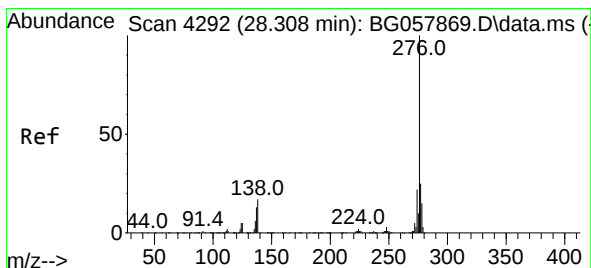
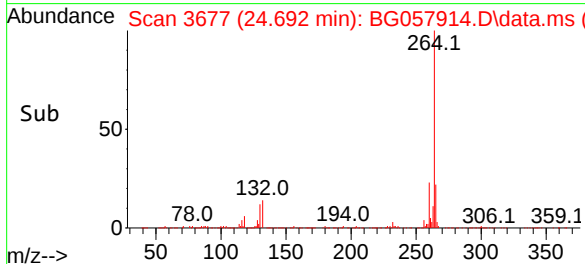
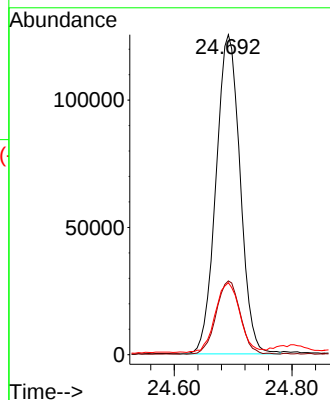
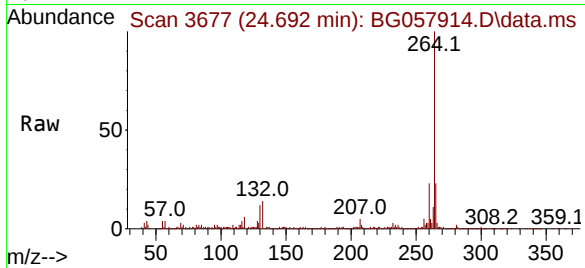




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.692 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG057914.D
 Acq: 29 Jun 2023 21:38

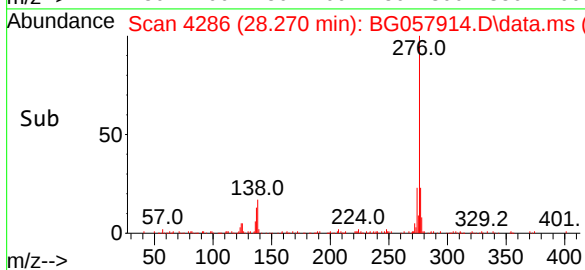
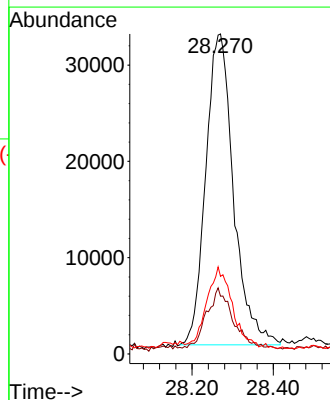
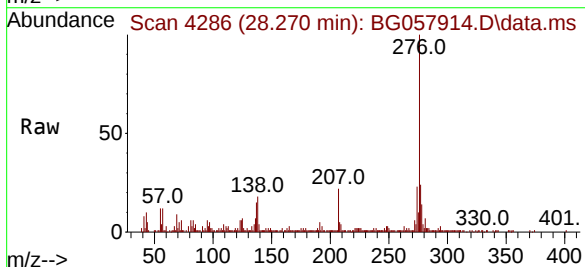
Instrument :
 BNA_G
 ClientSampleId :
 350

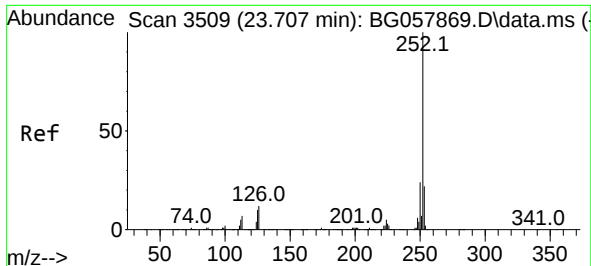
Tgt Ion:264 Resp: 356250
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.8 26.8
 265 22.5 17.3 25.9



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.490 ng
 RT: 28.270 min Scan# 4286
 Delta R.T. -0.038 min
 Lab File: BG057914.D
 Acq: 29 Jun 2023 21:38

Tgt Ion:276 Resp: 153175
 Ion Ratio Lower Upper
 276 100
 138 17.9 12.2 18.4
 277 23.0 20.4 30.6

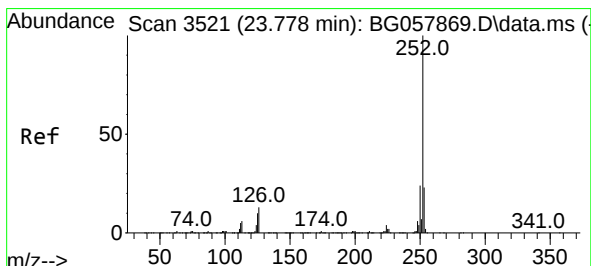
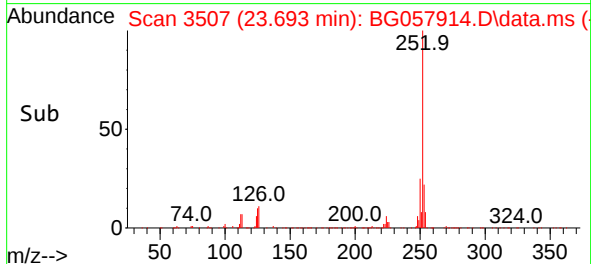
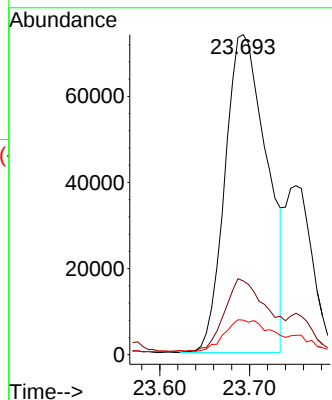
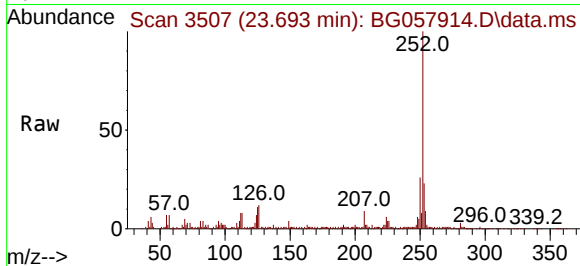




#88
Benzo(b)fluoranthene
Concen: 12.312 ng
RT: 23.693 min Scan# 3507
Delta R.T. -0.014 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

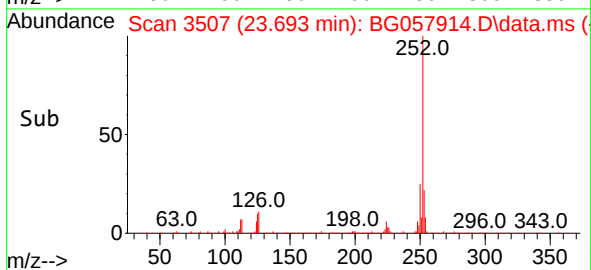
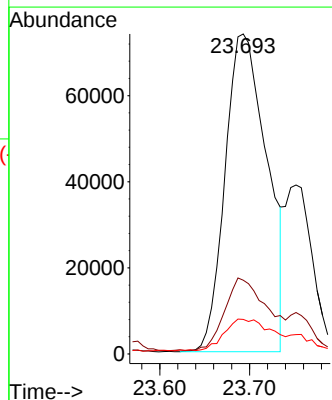
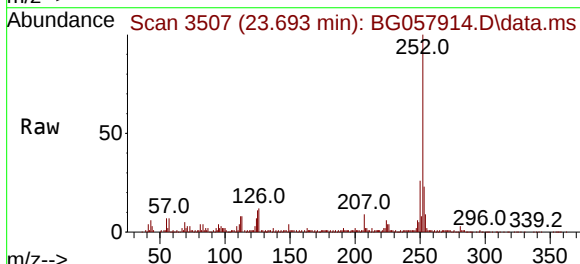
Instrument :
BNA_G
ClientSampleId :
350

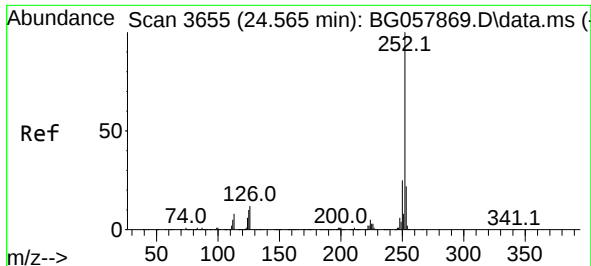
Tgt Ion:252 Resp: 239231
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.8 7.7 11.5



#89
Benzo(k)fluoranthene
Concen: 12.182 ng
RT: 23.693 min Scan# 3507
Delta R.T. -0.085 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:252 Resp: 239231
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.8 7.8 11.6

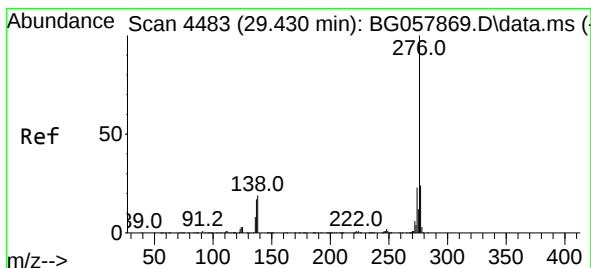
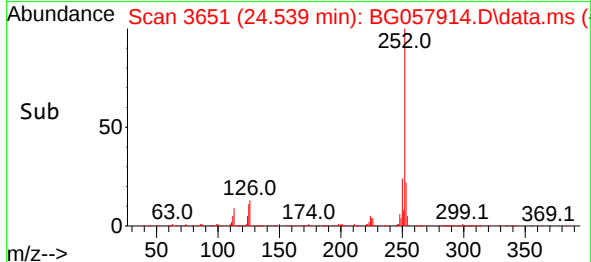
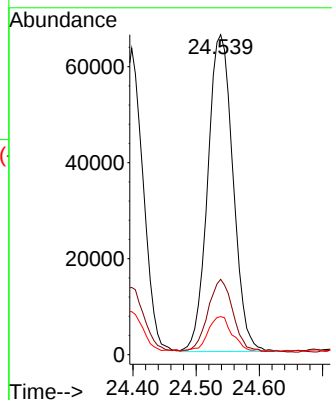
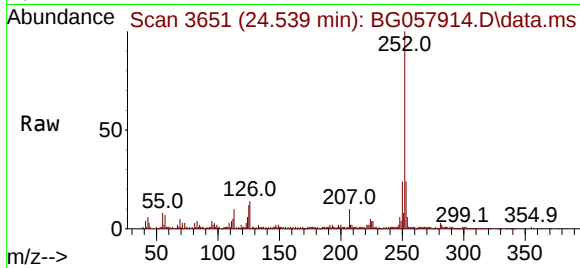




#90
Benzo(a)pyrene
Concen: 9.528 ng
RT: 24.539 min Scan# 30
Delta R.T. -0.026 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Instrument :
BNA_G
ClientSampleId :
350

Tgt Ion:252 Resp: 183383
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.9 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 9.144 ng
RT: 29.386 min Scan# 4476
Delta R.T. -0.044 min
Lab File: BG057914.D
Acq: 29 Jun 2023 21:38

Tgt Ion:276 Resp: 177900
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.2
138 20.8 15.0 22.6

