

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058863.D
 Acq On : 26 Aug 2023 00:14
 Operator : MA/JU
 Sample : 04110-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-TP-09(0-0.2)

Quant Time: Aug 26 09:20:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 09:13:37 2023
 Response via : Initial Calibration

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

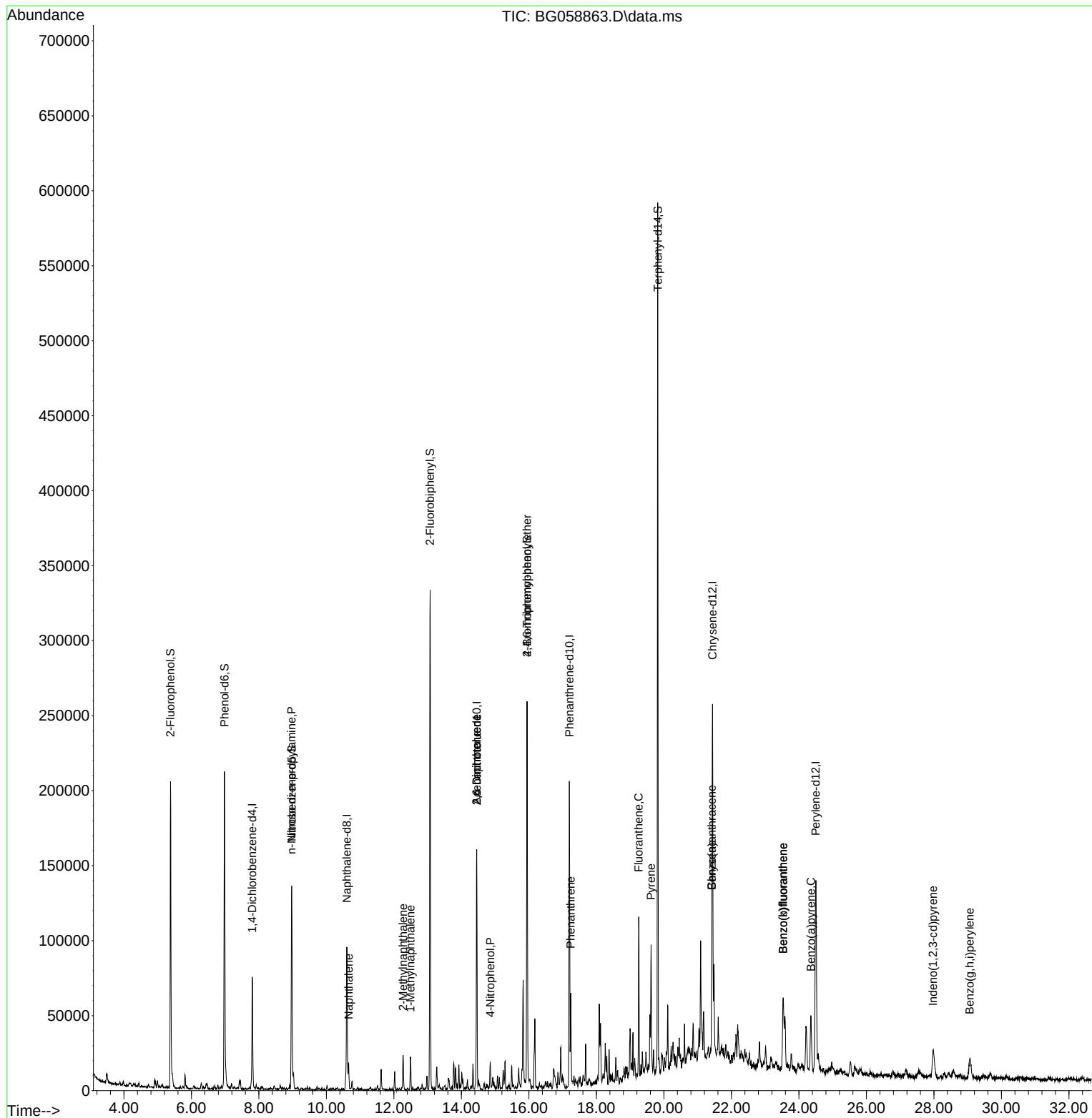
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	21412	20.000	ng	-0.03
21) Naphthalene-d8	10.604	136	82810	20.000	ng	-0.02
39) Acenaphthene-d10	14.453	164	57244	20.000	ng	-0.02
64) Phenanthrene-d10	17.197	188	132062	20.000	ng	-0.02
76) Chrysene-d12	21.439	240	117966	20.000	ng	-0.02
86) Perylene-d12	24.500	264	145563	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	88260	66.333	ng	-0.02
7) Phenol-d6	6.979	99	124013	66.431	ng	-0.02
23) Nitrobenzene-d5	8.971	82	85362	49.559	ng	-0.02
42) 2,4,6-Tribromophenol	15.945	330	56062	62.459	ng	-0.02
45) 2-Fluorobiphenyl	13.072	172	187744	47.702	ng	-0.02
79) Terphenyl-d14	19.817	244	283273	43.118	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.965	70	11506	9.535	ng	# 76
31) Naphthalene	10.657	128	14643	3.368	ng	97
37) 2-Methylnaphthalene	12.273	142	12010	3.846	ng	98
38) 1-Methylnaphthalene	12.490	142	10563	3.563	ng	# 100
51) 2,6-Dinitrotoluene	14.453	165	8019	8.612	ng	# 22
56) 4-Nitrophenol	14.852	139	2619	8.264	ng	# 1
57) 2,4-Dinitrotoluene	14.453	165	8019	6.174	ng	# 19
67) 4-Bromophenyl-phenylether	15.945	248	3450	2.381	ng	# 1
71) Phenanthrene	17.238	178	38921	6.139	ng	96
75) Fluoranthene	19.253	202	60730	7.724	ng	98
78) Pyrene	19.617	202	53274	6.481	ng	97
81) Benzo(a)anthracene	21.415	228	37497	4.566	ng	94
83) Chrysene	21.415	228	37497	4.737	ng	91
87) Indeno(1,2,3-cd)pyrene	27.972	276	31189	3.167	ng	# 94
88) Benzo(b)fluoranthene	23.530	252	60967	7.549	ng	98
89) Benzo(k)fluoranthene	23.530	252	60967	7.320	ng	96
90) Benzo(a)pyrene	24.353	252	39681	4.990	ng	97
92) Benzo(g,h,i)perylene	29.059	276	29462	3.641	ng	96

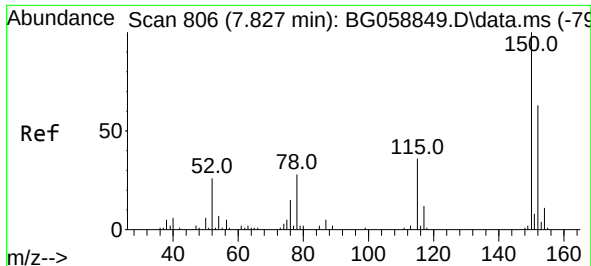
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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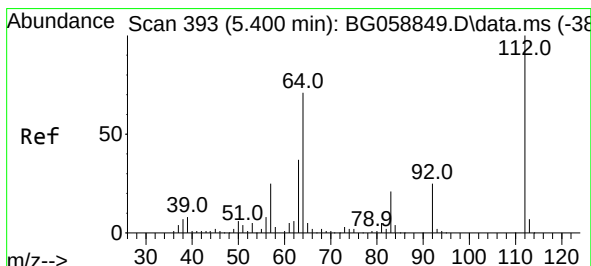
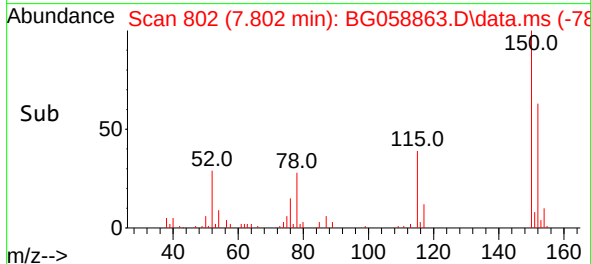
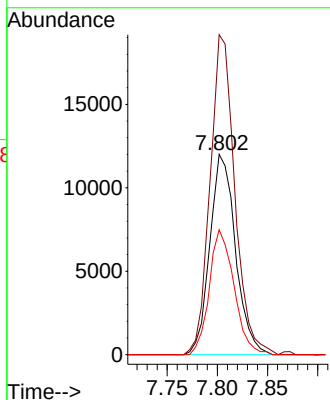
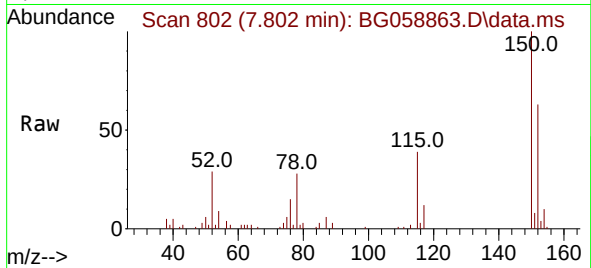




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 806
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

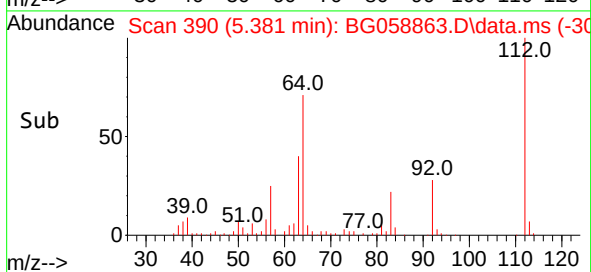
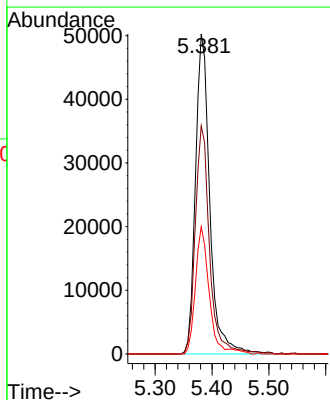
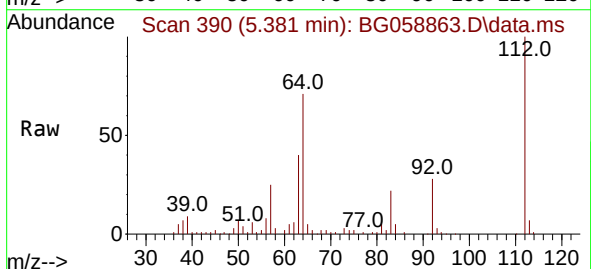
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

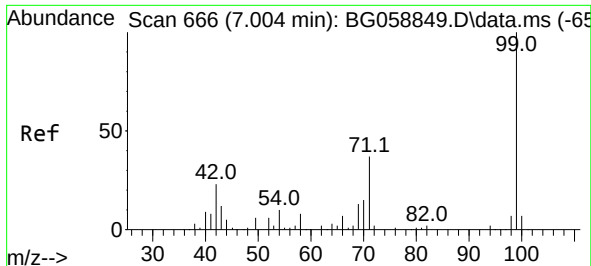
Tgt Ion:152 Resp: 21412
Ion Ratio Lower Upper
152 100
150 159.7 128.6 192.8
115 62.4 50.4 75.6



#5
2-Fluorophenol
Concen: 66.333 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.019 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:112 Resp: 88260
Ion Ratio Lower Upper
112 100
64 71.3 60.6 90.8
63 39.8 31.0 46.4

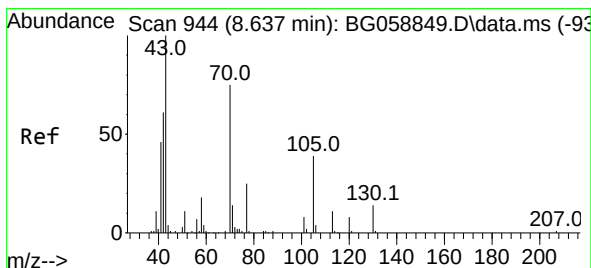
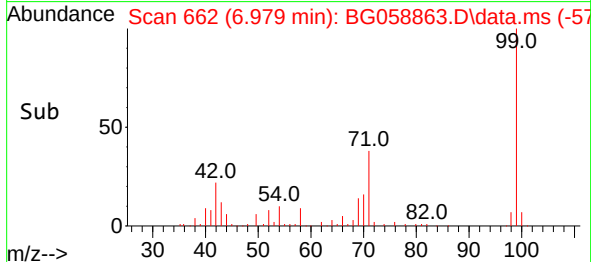
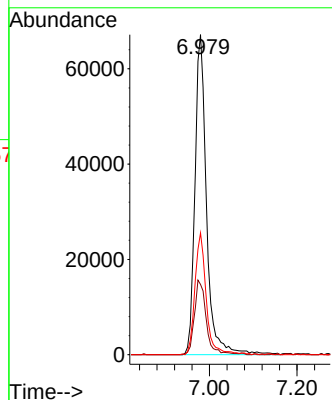
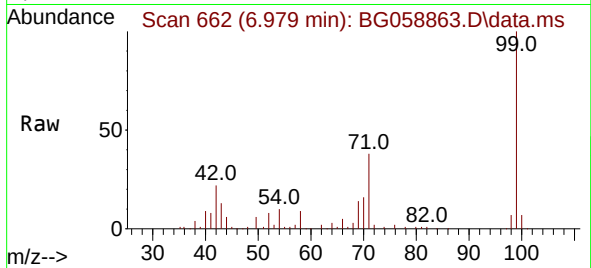




#7
Phenol-d6
Concen: 66.431 ng
RT: 6.979 min Scan# 61
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

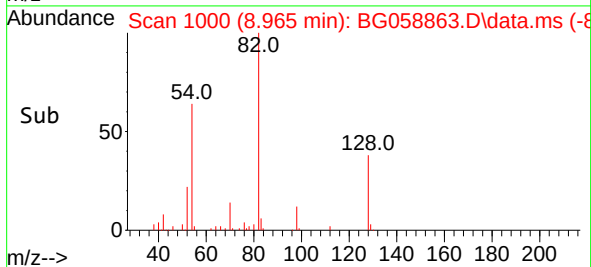
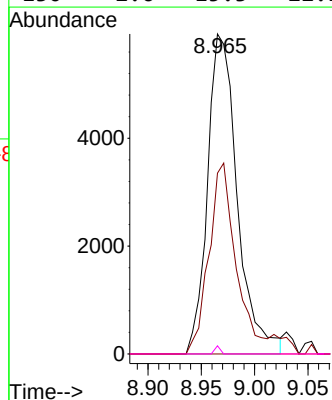
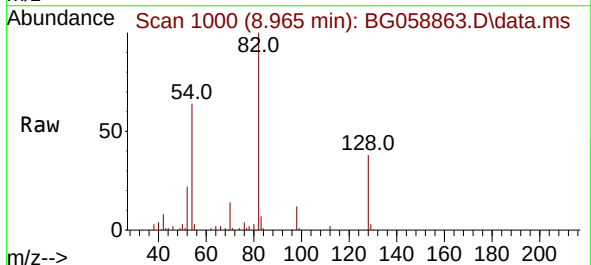
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

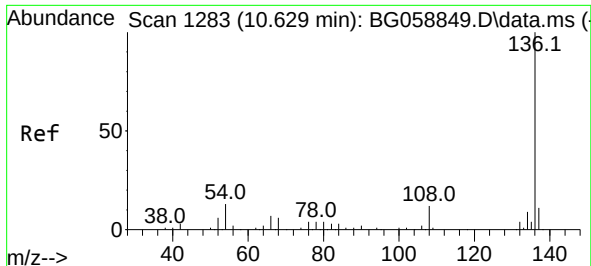
Tgt Ion: 99 Resp: 124013
Ion Ratio Lower Upper
99 100
42 22.0 16.5 24.7
71 38.1 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.535 ng
RT: 8.965 min Scan# 1000
Delta R.T. 0.328 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion: 70 Resp: 11506
Ion Ratio Lower Upper
70 100
42 56.5 59.2 88.8#
101 0.0 8.2 12.2#
130 2.6 15.3 22.9#

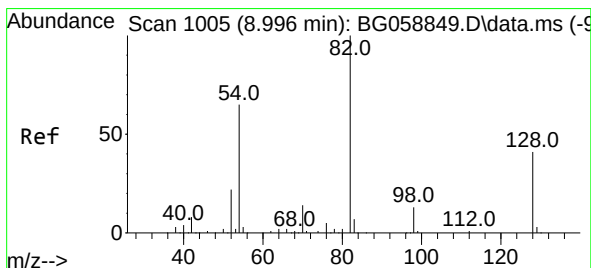
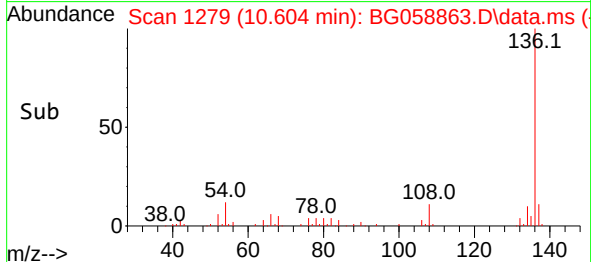
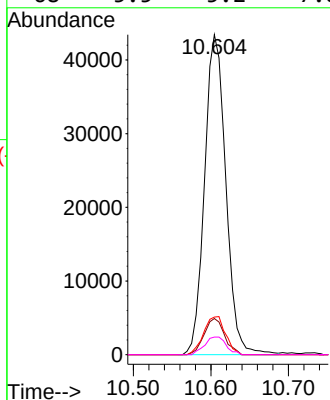
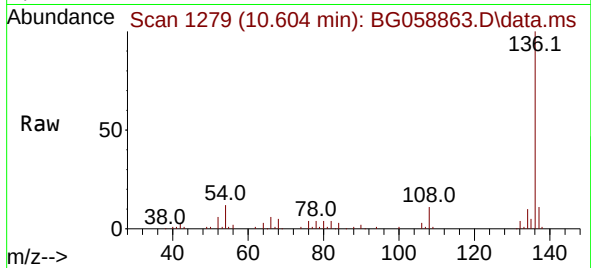




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

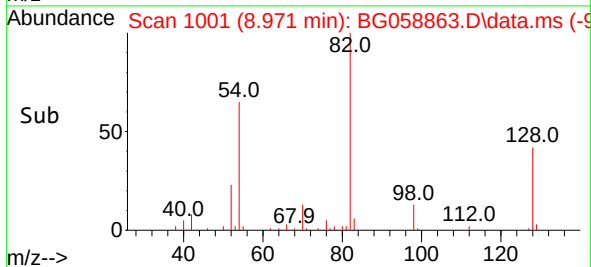
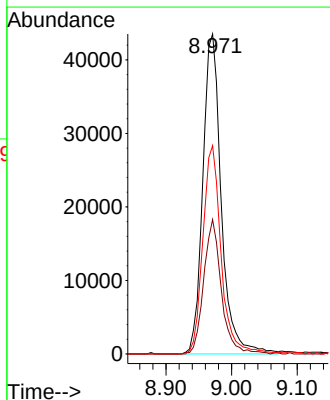
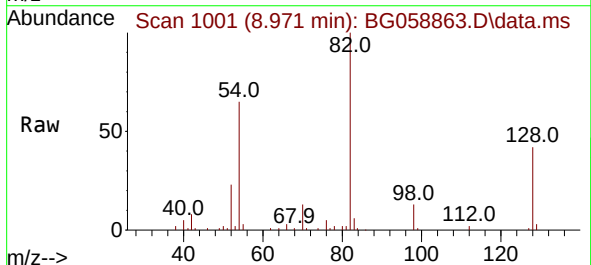
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

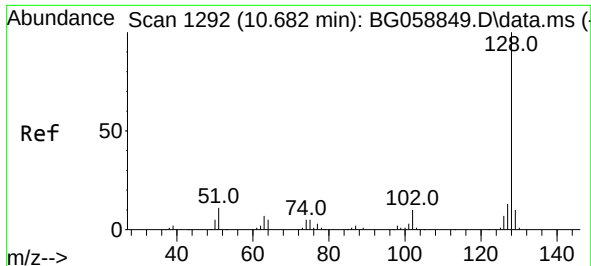
Tgt Ion:	136	Resp:	82810
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	11.7	10.1	15.1
68	5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 49.559 ng
RT: 8.971 min Scan# 1001
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:	82	Resp:	85362
Ion Ratio	Lower	Upper	
82	100		
128	42.0	33.2	49.8
54	65.1	51.2	76.8

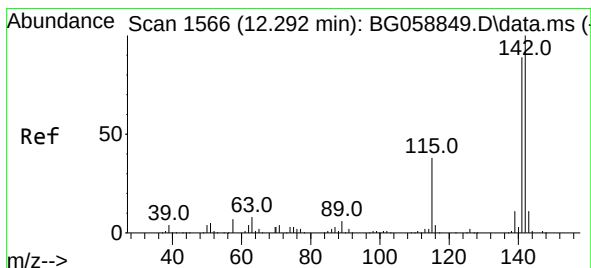
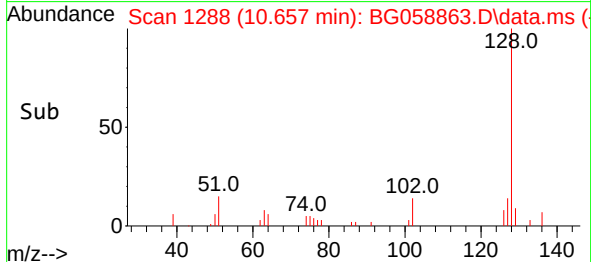
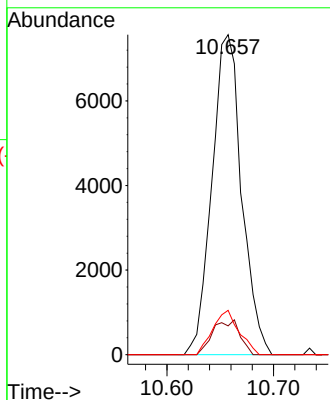
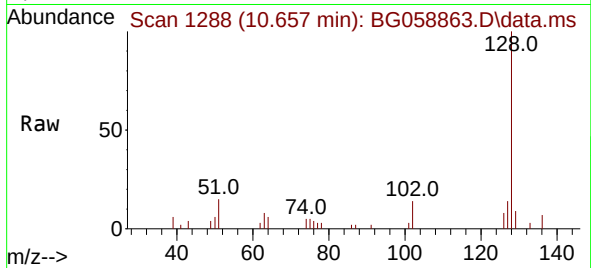




#31
Naphthalene
Concen: 3.368 ng
RT: 10.657 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

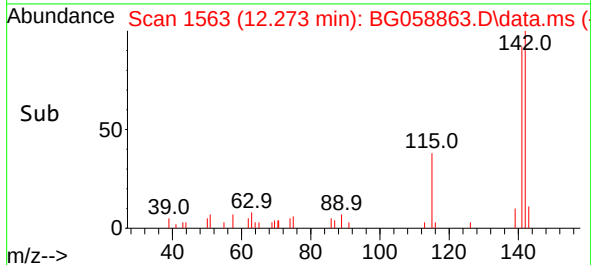
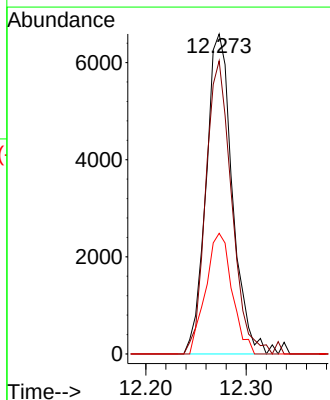
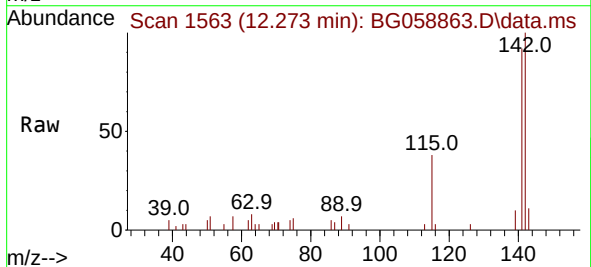
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

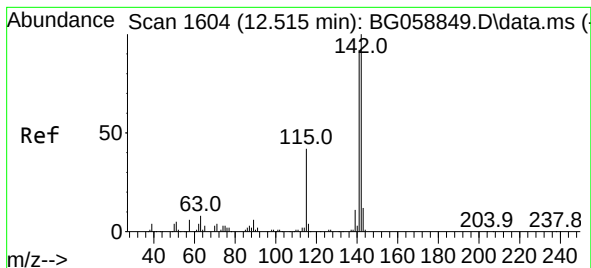
Tgt Ion:	128	Resp:	14643
Ion	Ratio	Lower	Upper
128	100		
129	9.0	8.9	13.3
127	13.8	10.6	15.8



#37
2-Methylnaphthalene
Concen: 3.846 ng
RT: 12.273 min Scan# 1563
Delta R.T. -0.019 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:	142	Resp:	12010
Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.8	107.8
115	37.7	30.6	45.8





#38

1-Methylnaphthalene

Concen: 3.563 ng

RT: 12.490 min Scan# 1

Delta R.T. -0.025 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

Instrument :

BNA_G

ClientSampleId :

SS-TP-09(0-0.2)

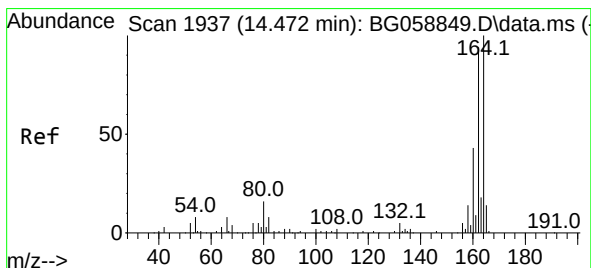
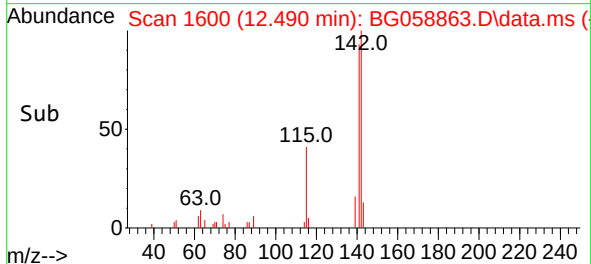
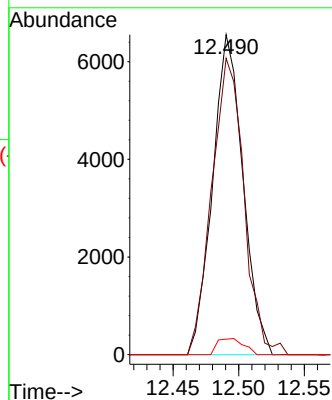
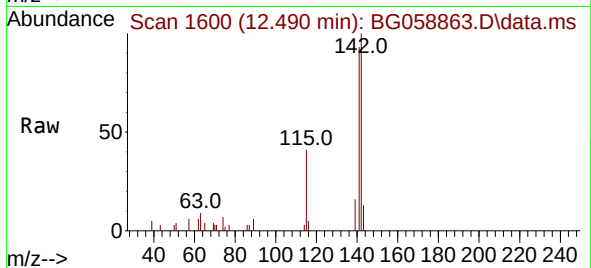
Tgt Ion:142 Resp: 10563

Ion Ratio Lower Upper

142 100

141 92.6 73.9 110.9

116 4.8 3.2 4.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.453 min Scan# 1934

Delta R.T. -0.019 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

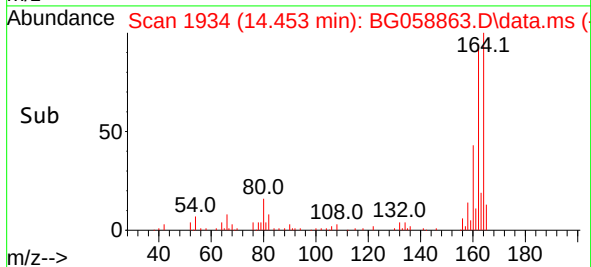
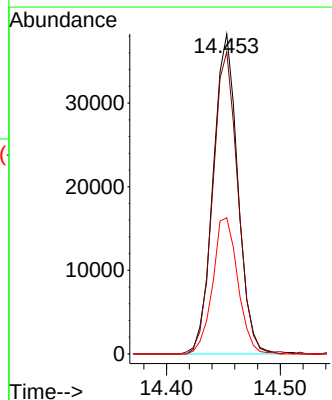
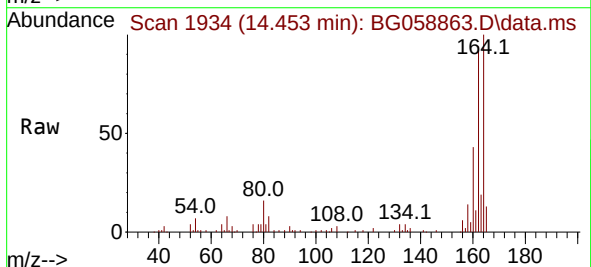
Tgt Ion:164 Resp: 57244

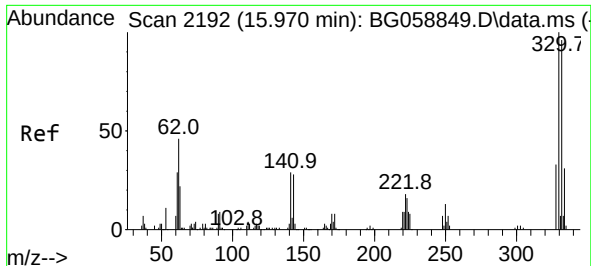
Ion Ratio Lower Upper

164 100

162 94.4 79.6 119.4

160 42.6 34.0 51.0





#42

2,4,6-Tribromophenol

Concen: 62.459 ng

RT: 15.945 min Scan# 21

Delta R.T. -0.025 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

Instrument :

BNA_G

ClientSampleId :

SS-TP-09(0-0.2)

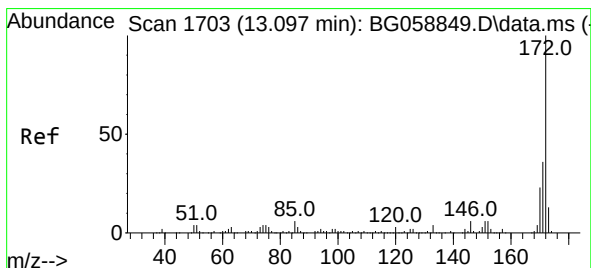
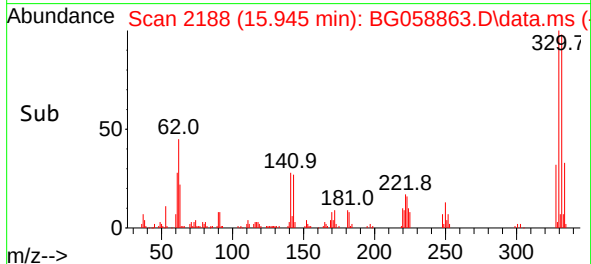
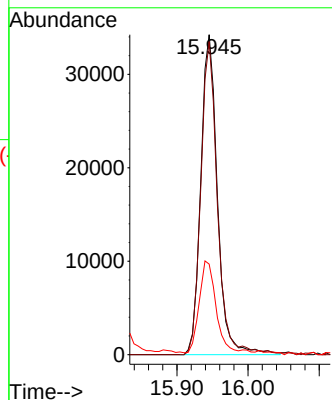
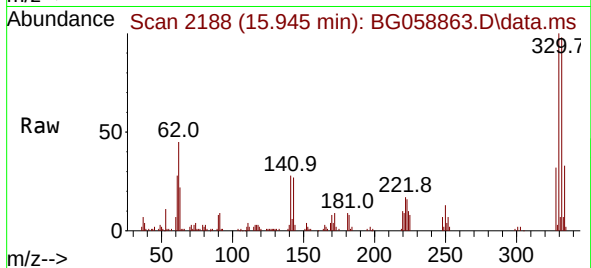
Tgt Ion:330 Resp: 56062

Ion Ratio Lower Upper

330 100

332 97.3 78.5 117.7

141 28.5 23.0 34.6



#45

2-Fluorobiphenyl

Concen: 47.702 ng

RT: 13.072 min Scan# 1699

Delta R.T. -0.025 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

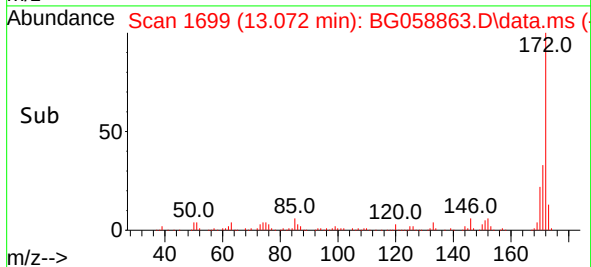
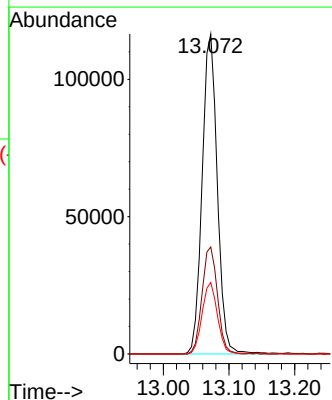
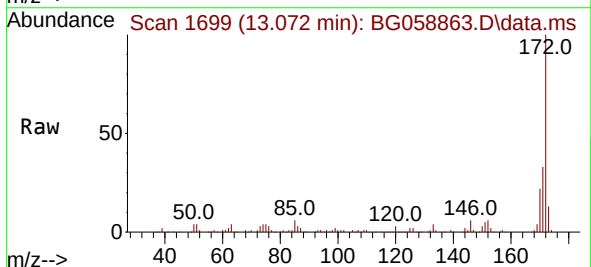
Tgt Ion:172 Resp: 187744

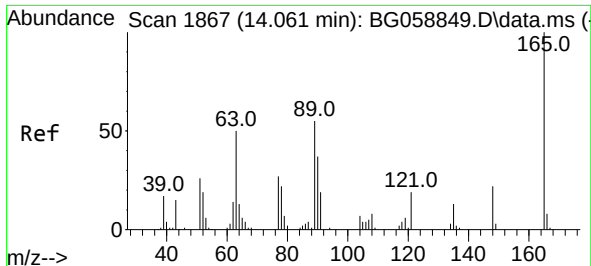
Ion Ratio Lower Upper

172 100

171 33.5 28.1 42.1

170 22.4 18.6 27.8

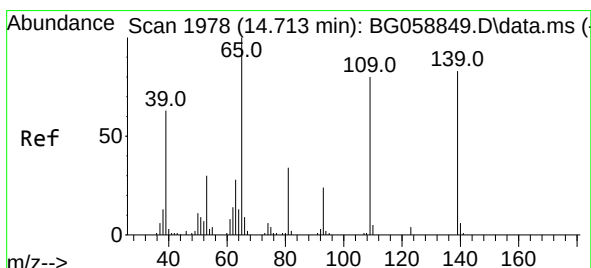
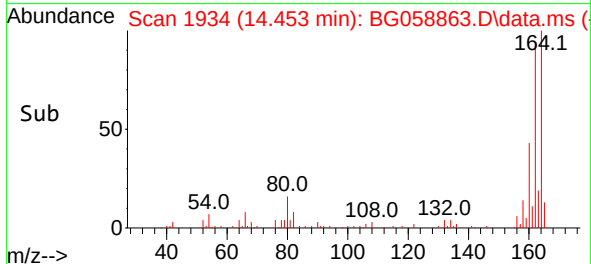
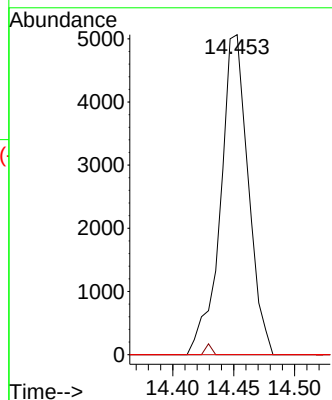
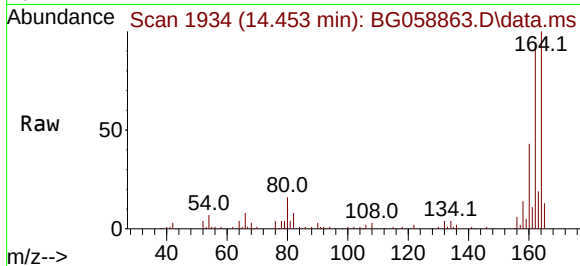




#51
2,6-Dinitrotoluene
Concen: 8.612 ng
RT: 14.453 min Scan# 1934
Delta R.T. 0.392 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

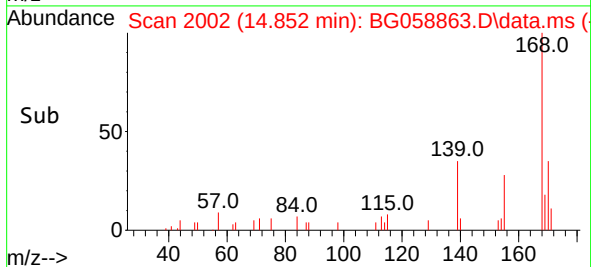
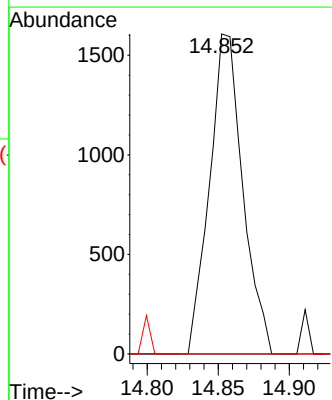
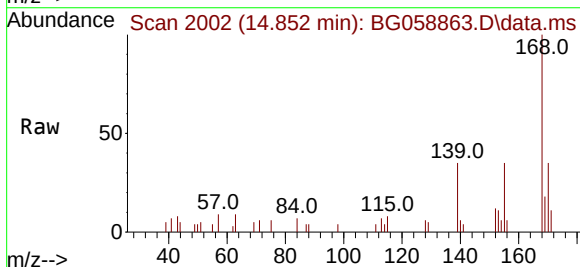
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

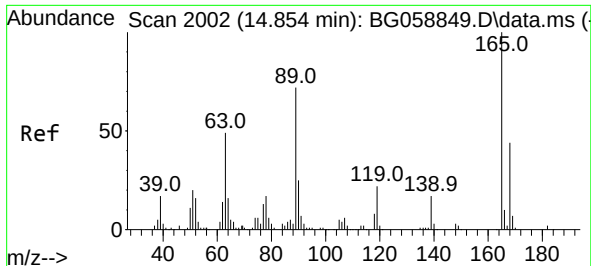
Tgt Ion:165 Resp: 8019
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#



#56
4-Nitrophenol
Concen: 8.264 ng
RT: 14.852 min Scan# 2002
Delta R.T. 0.140 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:139 Resp: 2619
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#





#57

2,4-Dinitrotoluene

Concen: 6.174 ng

RT: 14.453 min Scan# 1934

Delta R.T. -0.401 min

Lab File: BG058863.D

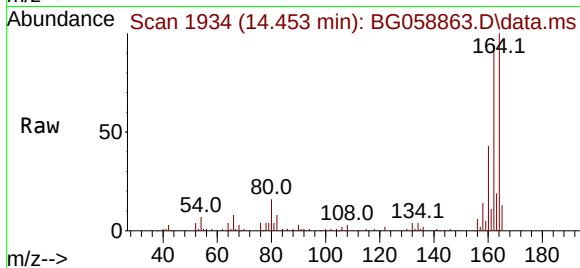
Acq: 26 Aug 2023 00:14

Instrument :

BNA_G

ClientSampleId :

SS-TP-09(0-0.2)



Tgt Ion:165 Resp: 8019

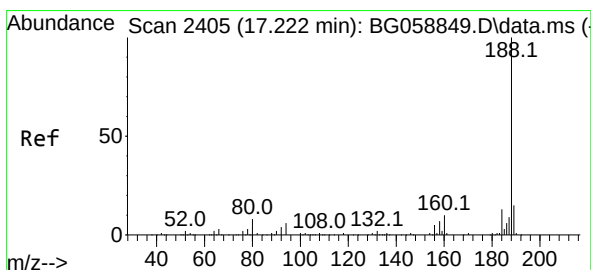
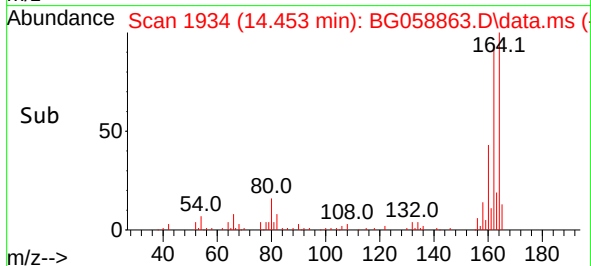
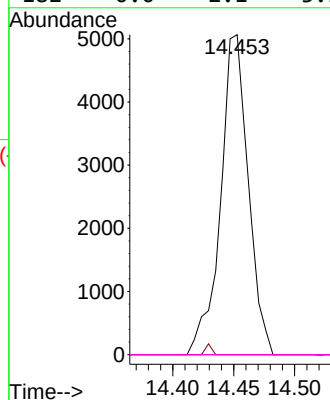
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.6#

89 0.0 60.7 91.1#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.197 min Scan# 2401

Delta R.T. -0.025 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

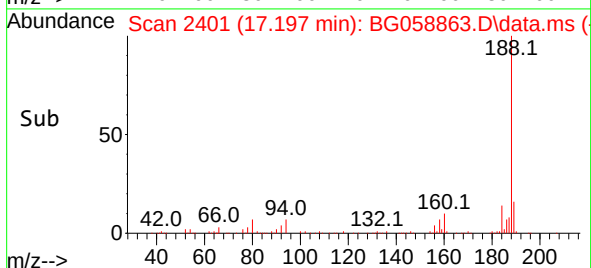
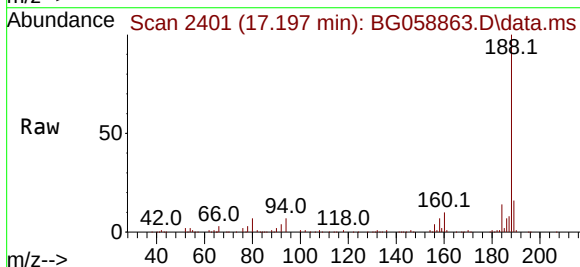
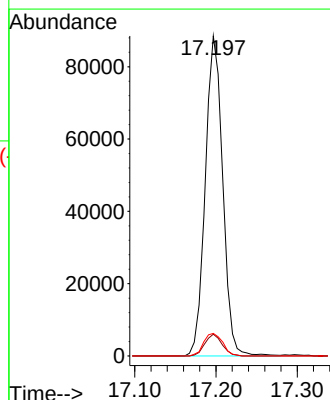
Tgt Ion:188 Resp: 132062

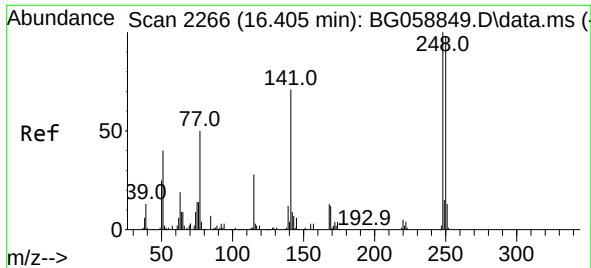
Ion Ratio Lower Upper

188 100

94 6.8 6.1 9.1

80 7.0 6.9 10.3

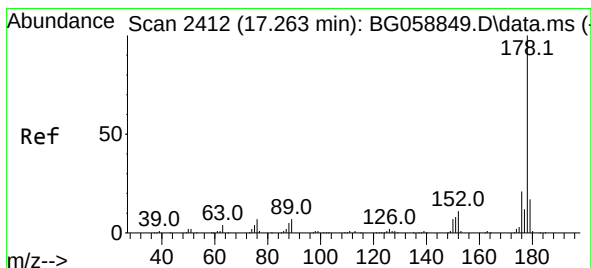
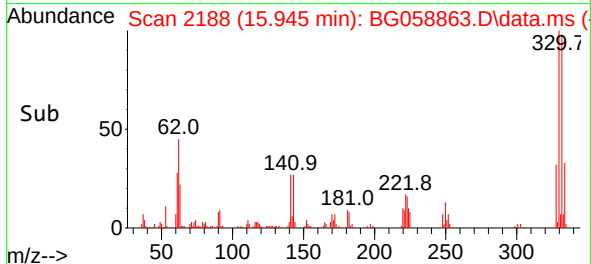
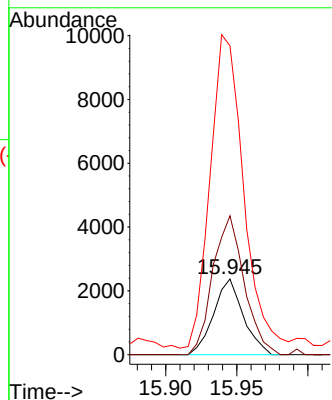
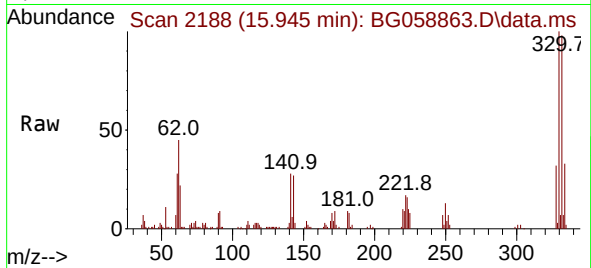




#67
4-Bromophenyl-phenylether
Concen: 2.381 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.460 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

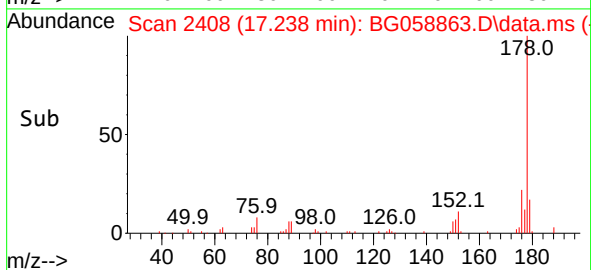
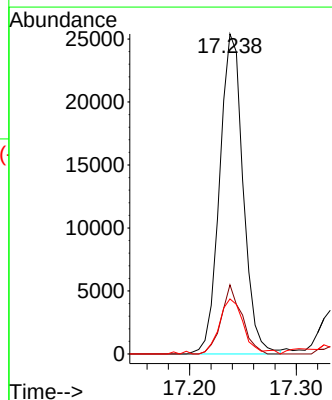
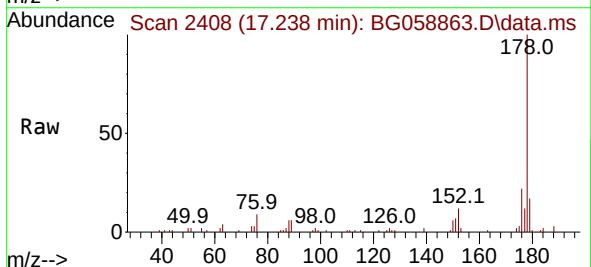
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

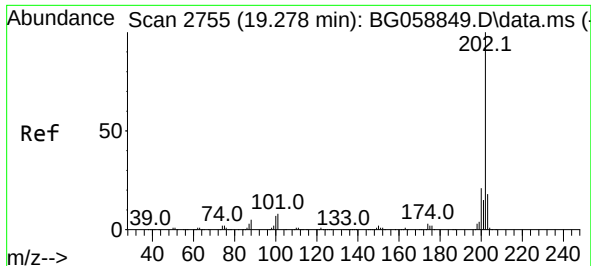
Tgt Ion:248 Resp: 3450
Ion Ratio Lower Upper
248 100
250 145.8 77.7 116.5#
141 324.2 53.6 80.4#



#71
Phenanthrene
Concen: 6.139 ng
RT: 17.238 min Scan# 2408
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:178 Resp: 38921
Ion Ratio Lower Upper
178 100
176 21.6 15.5 23.3
179 17.2 13.0 19.4

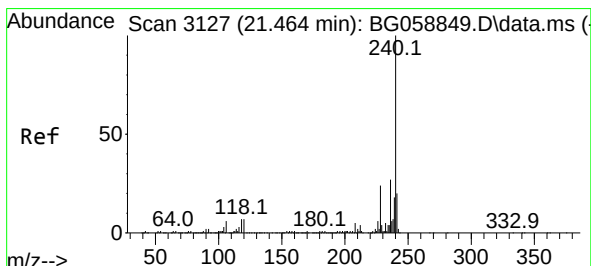
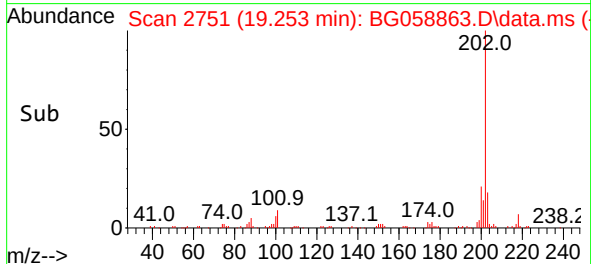
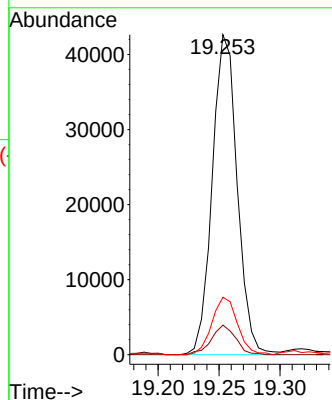
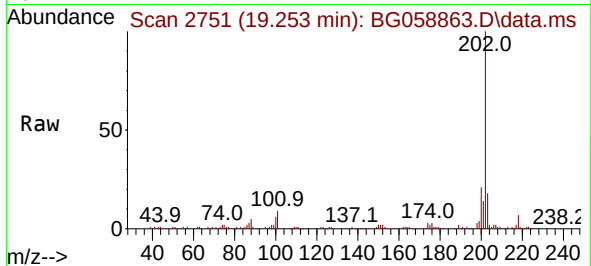




#75
Fluoranthene
Concen: 7.724 ng
RT: 19.253 min Scan# 21
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

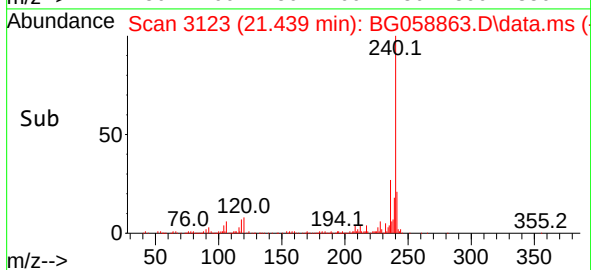
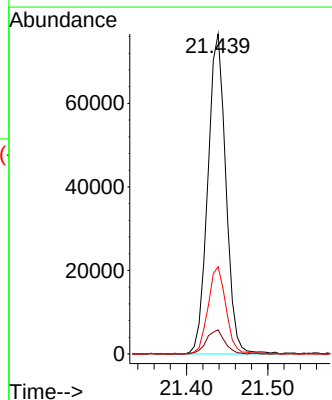
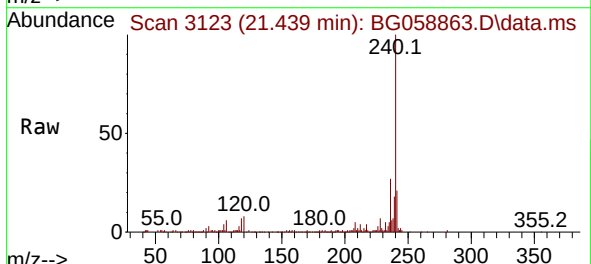
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

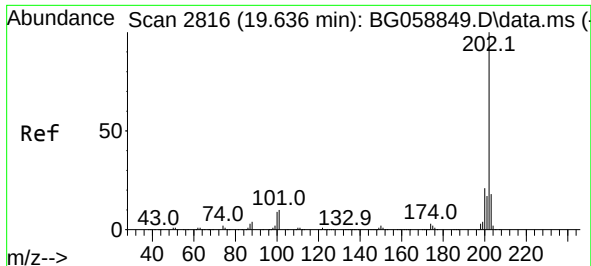
Tgt Ion:202 Resp: 60730
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 18.0 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3123
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:240 Resp: 117966
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.2
236 27.2 20.5 30.7

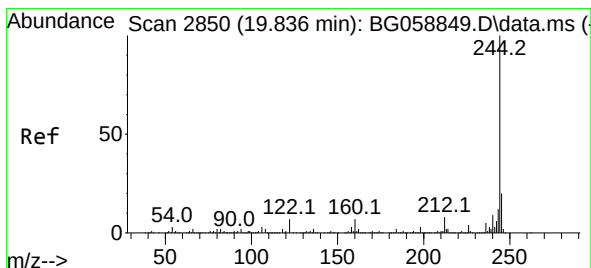
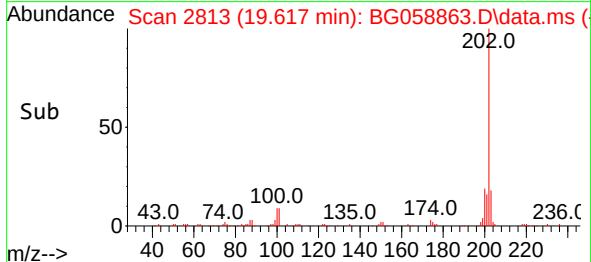
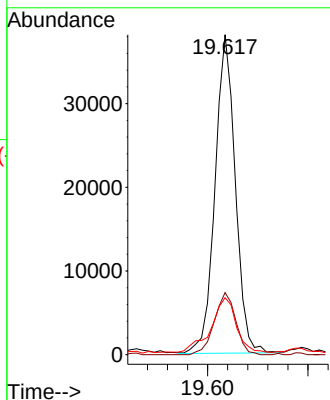
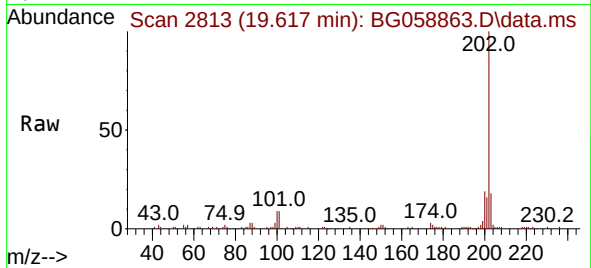




#78
 Pyrene
 Concen: 6.481 ng
 RT: 19.617 min Scan# 2816
 Delta R.T. -0.019 min
 Lab File: BG058863.D
 Acq: 26 Aug 2023 00:14

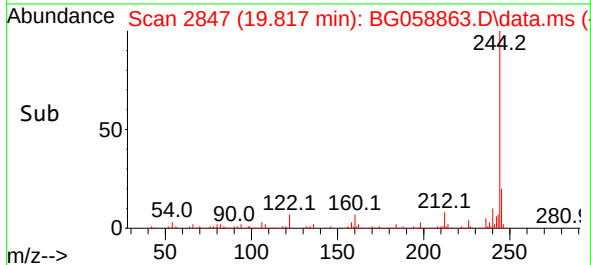
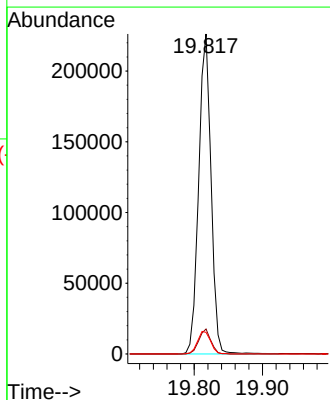
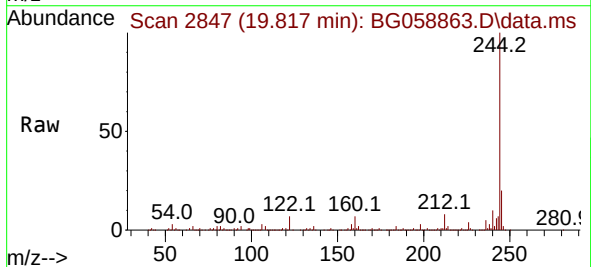
Instrument :
 BNA_G
 ClientSampleId :
 SS-TP-09(0-0.2)

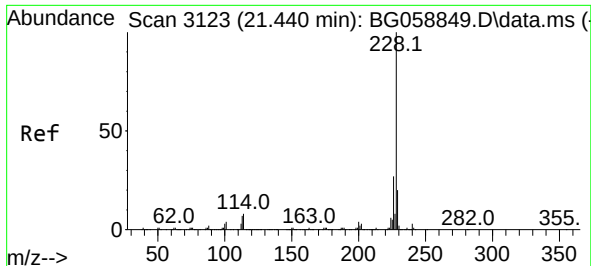
Tgt Ion:	202	Resp:	53274
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.7	25.1
203	17.8	15.3	22.9



#79
 Terphenyl-d14
 Concen: 43.118 ng
 RT: 19.817 min Scan# 2847
 Delta R.T. -0.019 min
 Lab File: BG058863.D
 Acq: 26 Aug 2023 00:14

Tgt Ion:	244	Resp:	283273
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	6.7	6.3	9.5

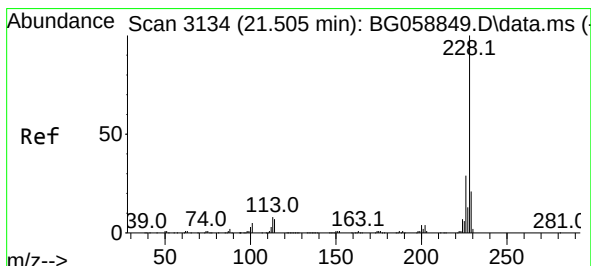
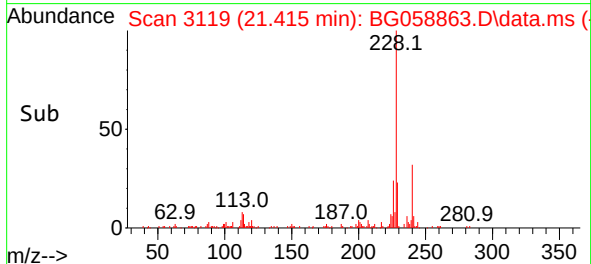
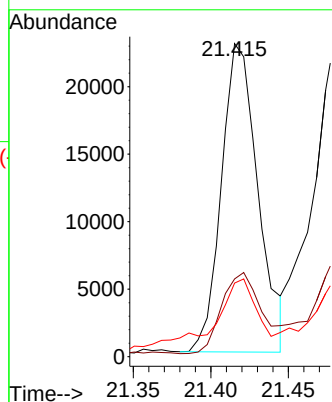
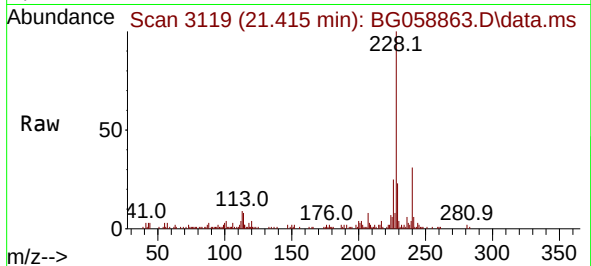




#81
Benzo(a)anthracene
Concen: 4.566 ng
RT: 21.415 min Scan# 3119
Delta R.T. -0.025 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

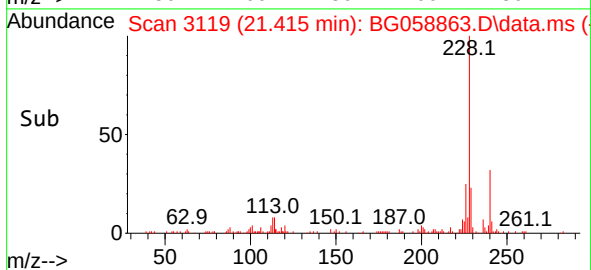
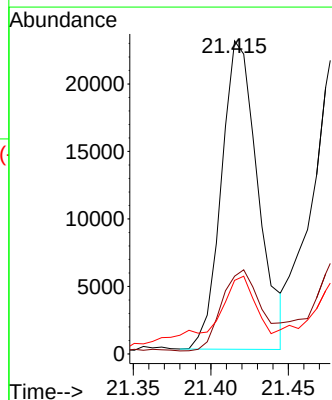
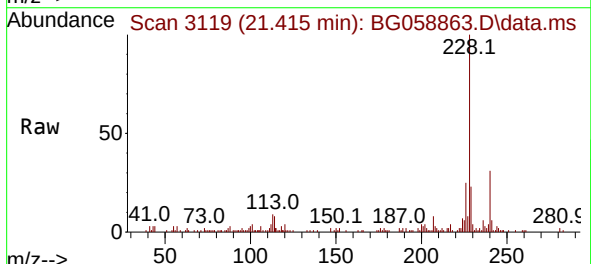
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

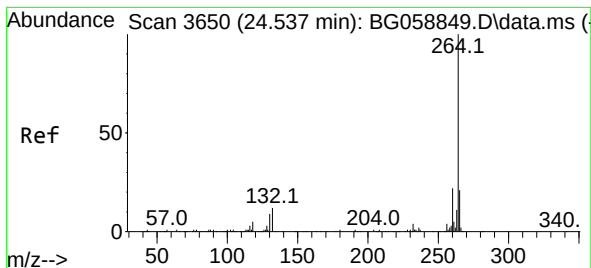
Tgt Ion:228 Resp: 37497
Ion Ratio Lower Upper
228 100
226 24.9 22.6 33.8
229 23.5 16.8 25.2



#83
Chrysene
Concen: 4.737 ng
RT: 21.415 min Scan# 3119
Delta R.T. -0.089 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:228 Resp: 37497
Ion Ratio Lower Upper
228 100
226 24.9 24.4 36.6
229 23.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.500 min Scan# 3

Delta R.T. -0.037 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

Instrument :

BNA_G

ClientSampleId :

SS-TP-09(0-0.2)

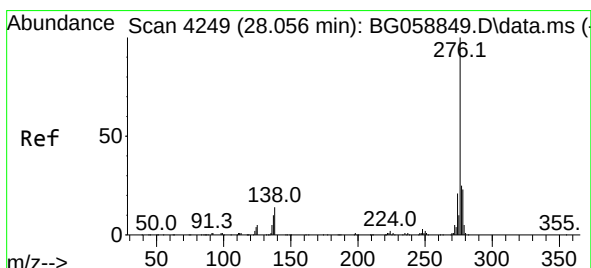
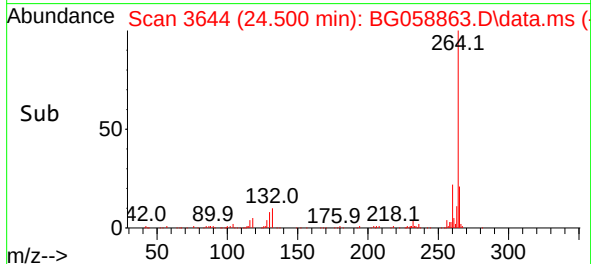
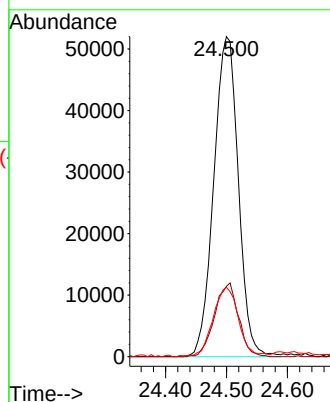
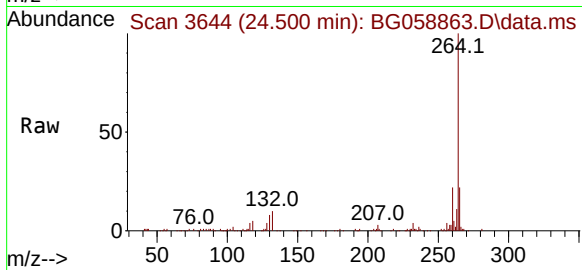
Tgt Ion:264 Resp: 145563

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.2

265 21.7 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.167 ng

RT: 27.972 min Scan# 4235

Delta R.T. -0.084 min

Lab File: BG058863.D

Acq: 26 Aug 2023 00:14

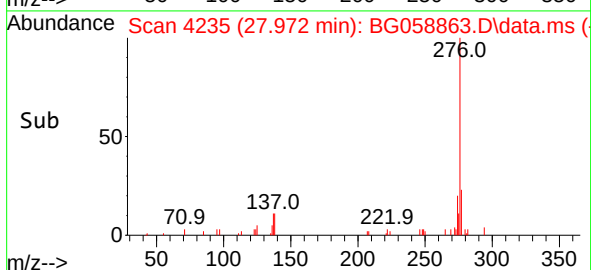
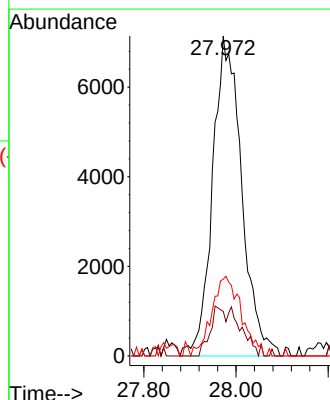
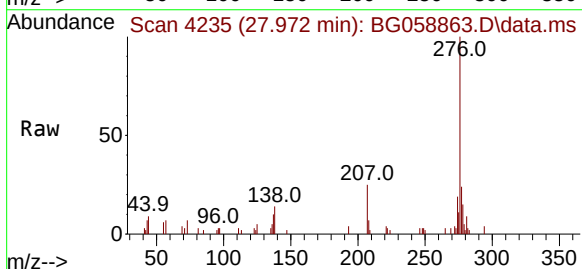
Tgt Ion:276 Resp: 31189

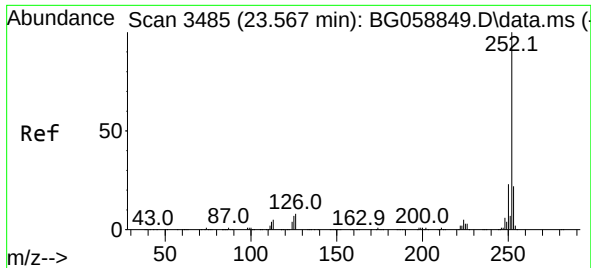
Ion Ratio Lower Upper

276 100

138 0.0 6.2 9.2#

277 25.2 20.4 30.6

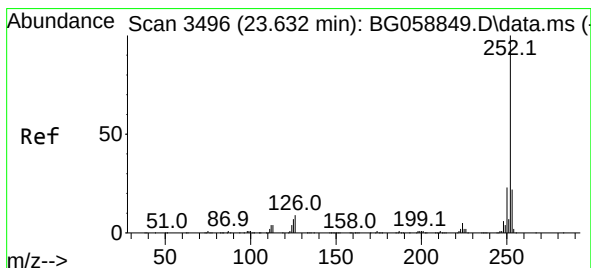
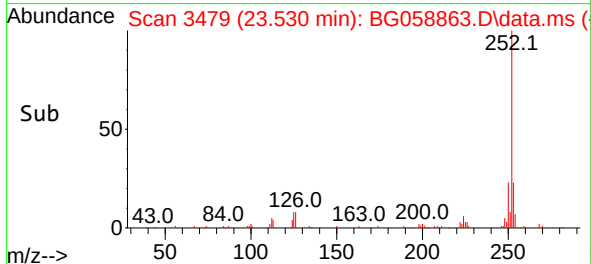
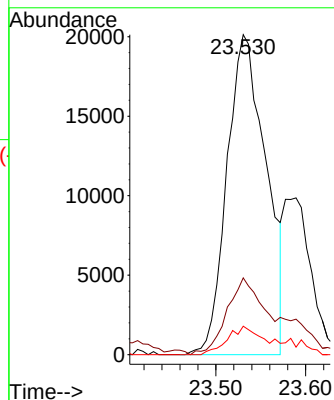
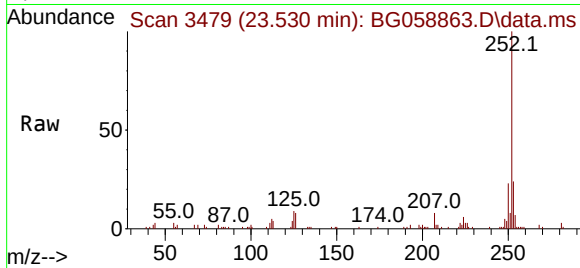




#88
Benzo(b)fluoranthene
Concen: 7.549 ng
RT: 23.530 min Scan# 3485
Delta R.T. -0.037 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

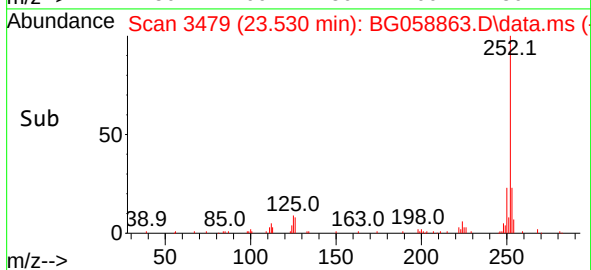
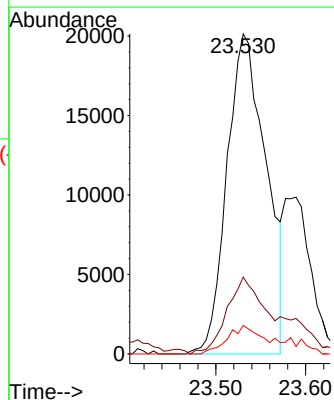
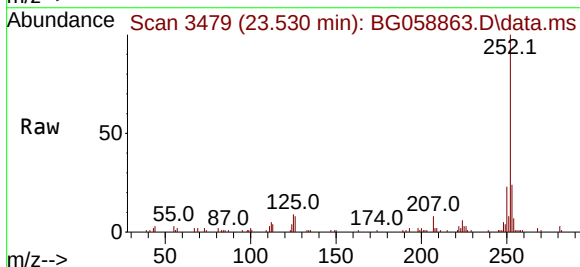
Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

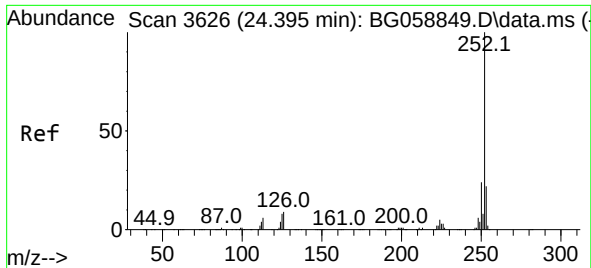
Tgt Ion:252 Resp: 60967
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 8.9 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 7.320 ng
RT: 23.530 min Scan# 3479
Delta R.T. -0.101 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:252 Resp: 60967
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 8.9 6.3 9.5

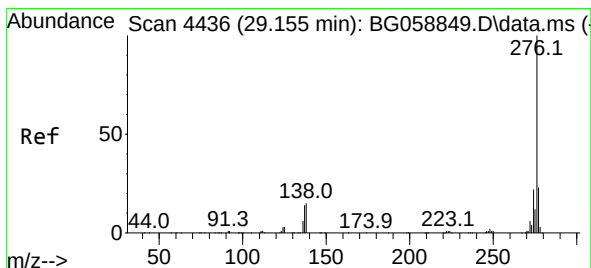
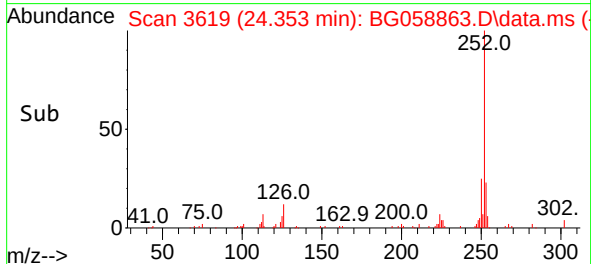
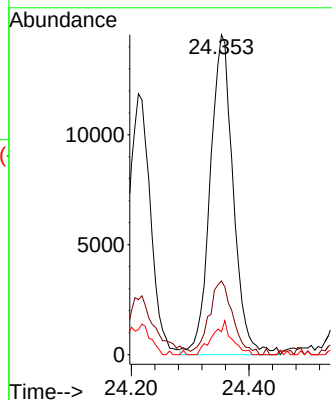
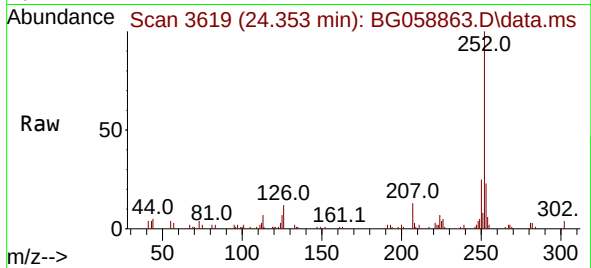




#90
Benzo(a)pyrene
Concen: 4.990 ng
RT: 24.353 min Scan# 30
Delta R.T. -0.042 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Instrument :
BNA_G
ClientSampleId :
SS-TP-09(0-0.2)

Tgt Ion:252 Resp: 39681
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 7.2 6.8 10.2



#92
Benzo(g,h,i)perylene
Concen: 3.641 ng
RT: 29.059 min Scan# 4420
Delta R.T. -0.095 min
Lab File: BG058863.D
Acq: 26 Aug 2023 00:14

Tgt Ion:276 Resp: 29462
Ion Ratio Lower Upper
276 100
277 19.6 17.8 26.6
138 14.4 11.1 16.7

