

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120922\
 Data File : BG055943.D
 Acq On : 9 Dec 2022 14:16
 Operator : CG/JU
 Sample : N5917-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4-(0-6)

Quant Time: Dec 10 05:44:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

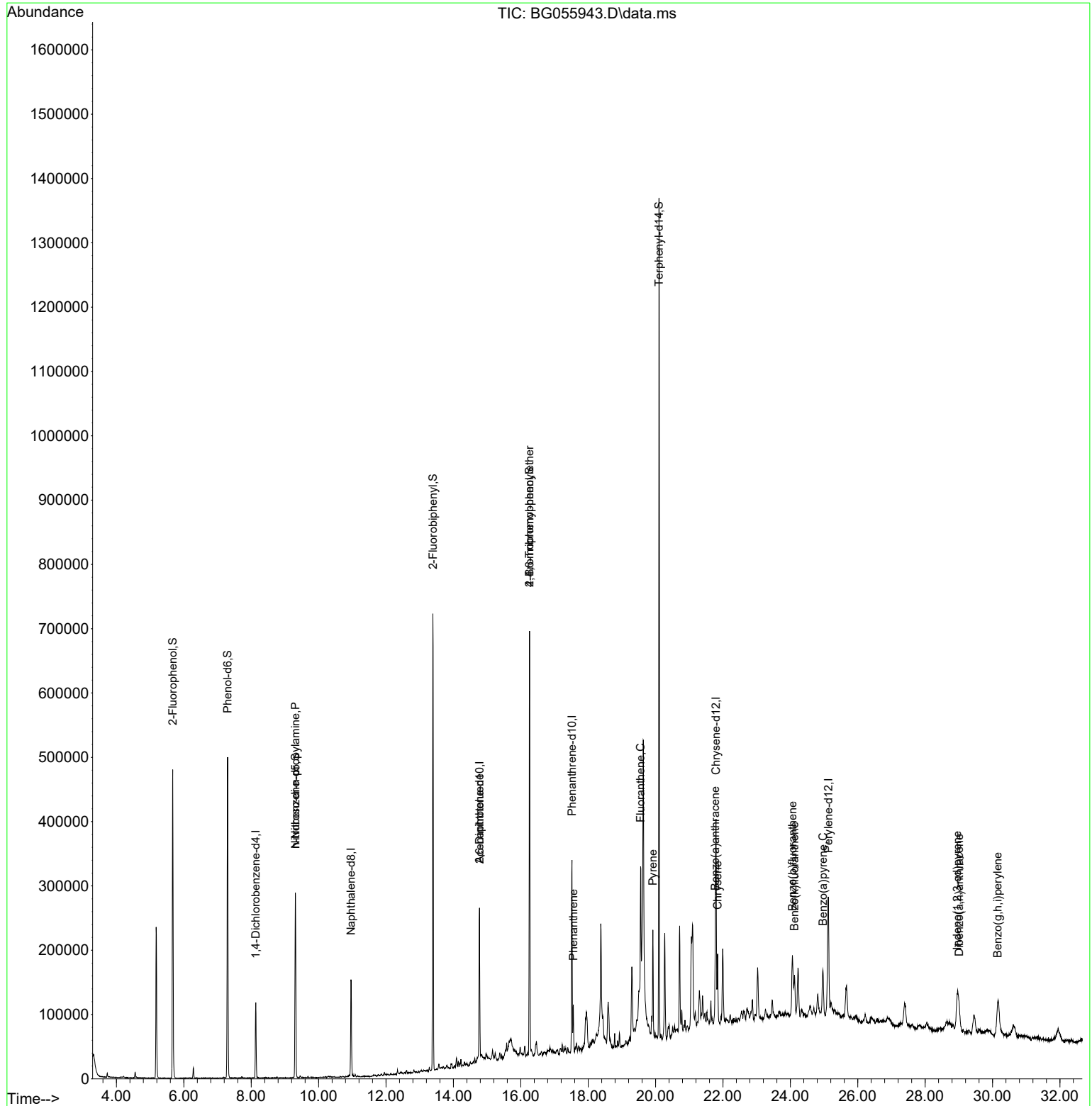
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.135	152	32504	20.000	ng	0.00
21) Naphthalene-d8	10.961	136	124616	20.000	ng	-0.01
39) Acenaphthene-d10	14.774	164	81011	20.000	ng	0.00
64) Phenanthrene-d10	17.518	188	190273	20.000	ng	0.00
76) Chrysene-d12	21.795	240	181922	20.000	ng	0.00
86) Perylene-d12	25.127	264	210075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	208041	115.690	ng	0.00
7) Phenol-d6	7.301	99	263961	110.269	ng	0.00
23) Nitrobenzene-d5	9.310	82	167630	71.099	ng	-0.01
42) 2,4,6-Tribromophenol	16.261	330	133852	117.338	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	371763	68.750	ng	-0.01
79) Terphenyl-d14	20.103	244	631882	69.472	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.310	70	23547	12.803	ng	# 82
51) 2,6-Dinitrotoluene	14.774	165	10937	8.283	ng	# 24
67) 4-Bromophenyl-phenylether	16.261	248	8538	3.938	ng	# 1
71) Phenanthrene	17.559	178	44774	4.361	ng	99
75) Fluoranthene	19.557	202	118237	9.465	ng	99
78) Pyrene	19.921	202	102255	8.304	ng	100
81) Benzo(a)anthracene	21.772	228	62057	4.953	ng	97
83) Chrysene	21.842	228	71567	6.000	ng	98
87) Indeno(1,2,3-cd)pyrene	28.952	276	100186	5.821	ng	# 92
88) Benzo(b)fluoranthene	24.063	252	109704	8.019	ng	99
89) Benzo(k)fluoranthene	24.122	252	61409	4.503	ng	97
90) Benzo(a)pyrene	24.968	252	82130	6.996	ng	# 98
91) Dibenzo(a,h)anthracene	29.005	278	58470	4.158	ng	99
92) Benzo(g,h,i)perylene	30.156	276	101128	7.135	ng	99

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

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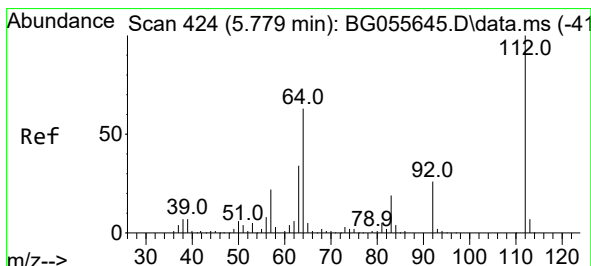
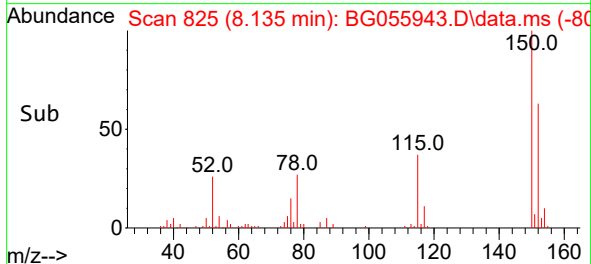
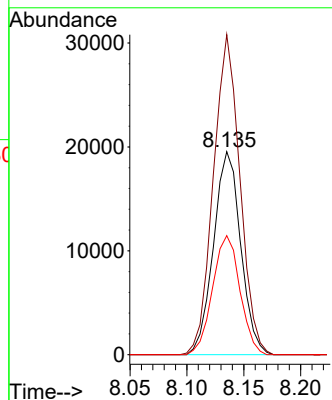
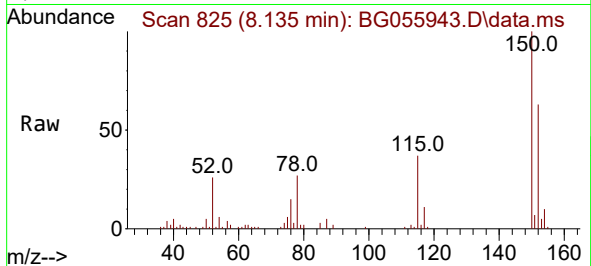




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

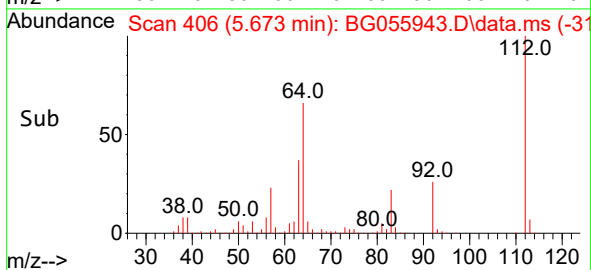
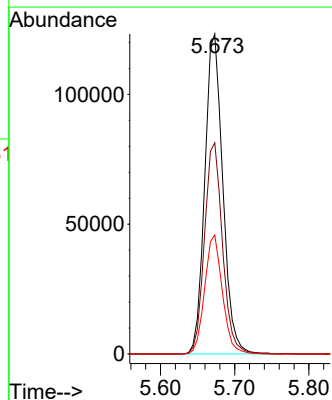
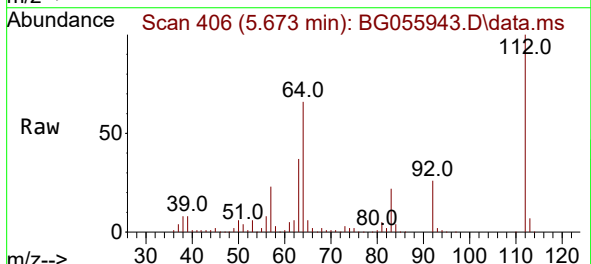
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

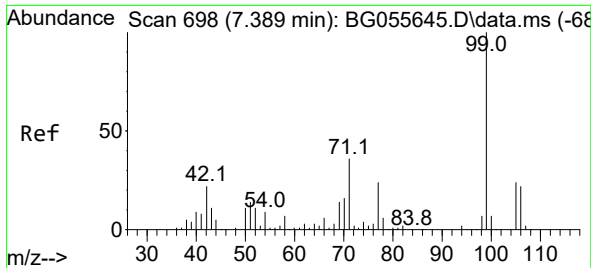
Tgt Ion:152 Resp: 32504
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.6
115 58.6 47.0 70.4



#5
2-Fluorophenol
Concen: 115.690 ng
RT: 5.673 min Scan# 406
Delta R.T. 0.000 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:112 Resp: 208041
Ion Ratio Lower Upper
112 100
64 66.0 50.6 76.0
63 37.2 27.5 41.3

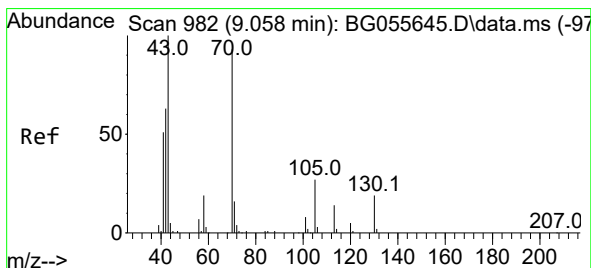
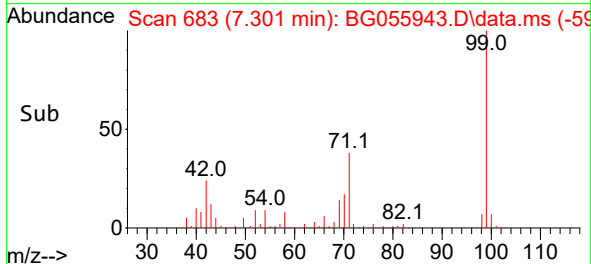
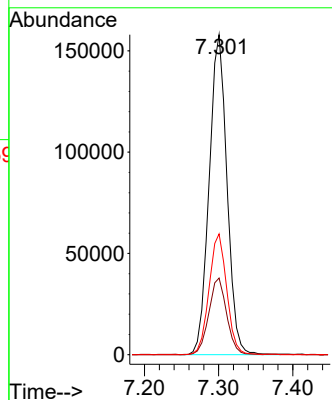
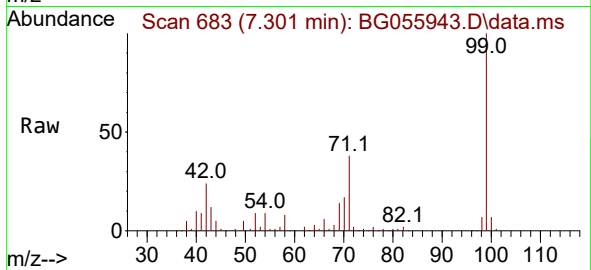




#7
Phenol-d6
Concen: 110.269 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

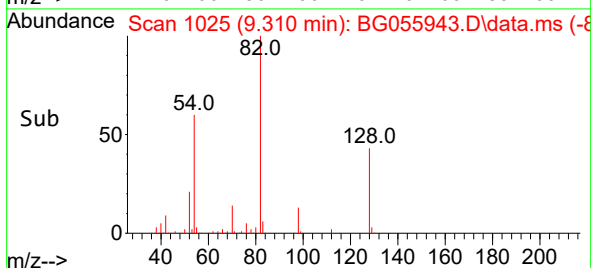
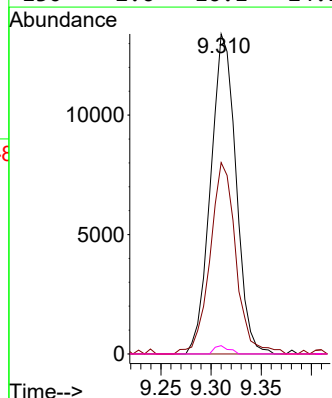
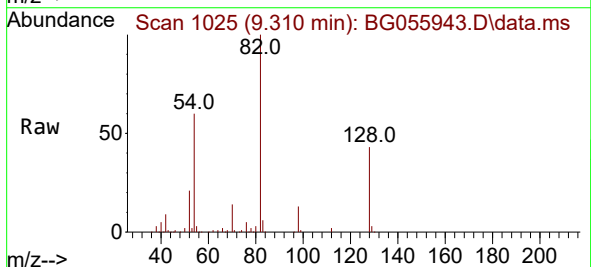
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

Tgt Ion: 99 Resp: 263961
Ion Ratio Lower Upper
99 100
42 24.0 18.0 27.0
71 37.7 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.803 ng
RT: 9.310 min Scan# 1025
Delta R.T. 0.359 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion: 70 Resp: 23547
Ion Ratio Lower Upper
70 100
42 59.8 55.2 82.8
101 0.0 7.1 10.7#
130 2.6 16.1 24.1#

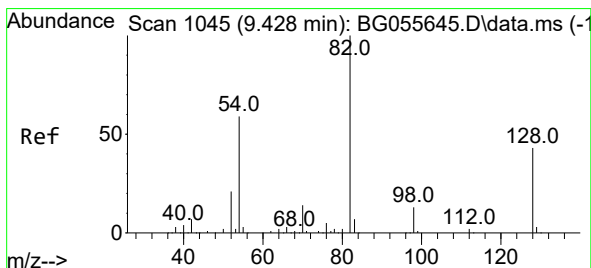
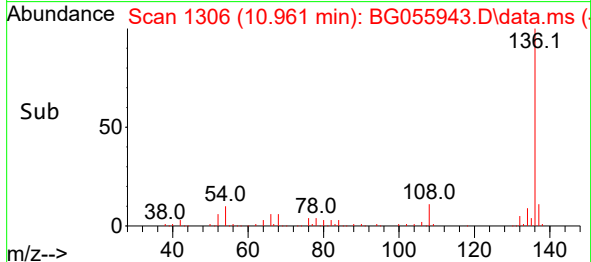
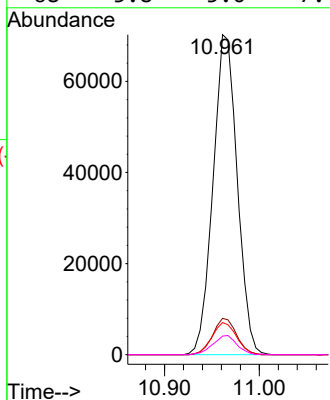
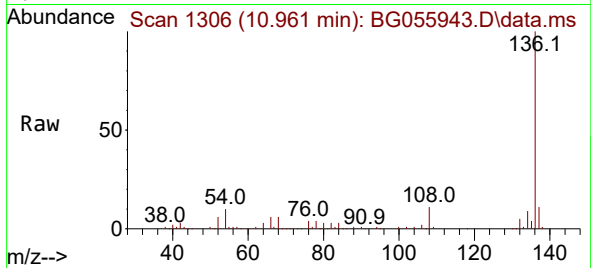




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.961 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

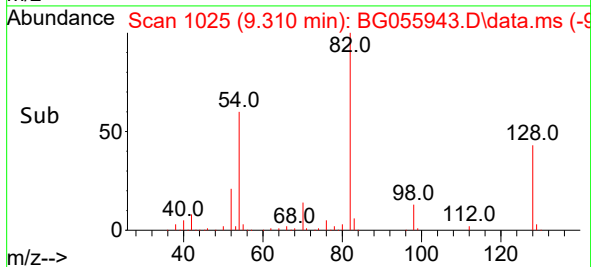
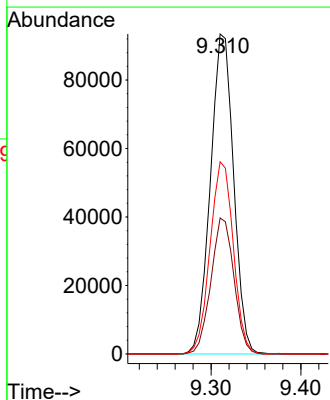
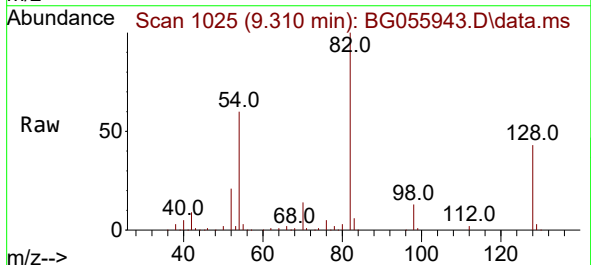
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

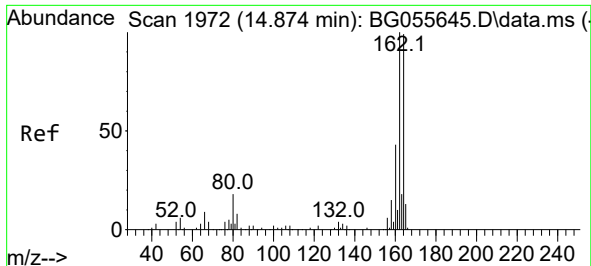
Tgt Ion:	136	Resp:	124616
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	10.1	7.8	11.6
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 71.099 ng
RT: 9.310 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:	82	Resp:	167630
Ion Ratio	Lower	Upper	
82	100		
128	42.5	34.1	51.1
54	60.1	47.3	70.9

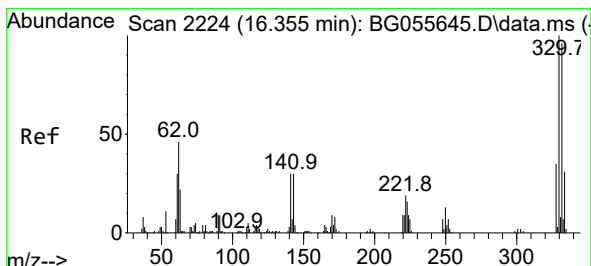
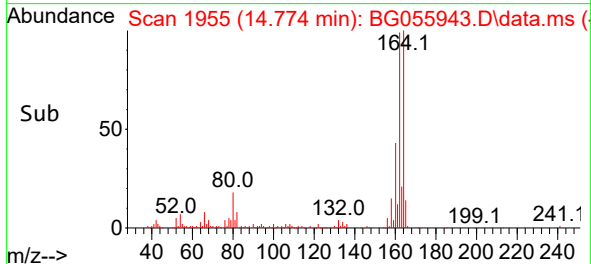
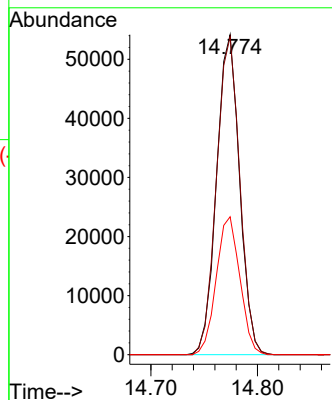
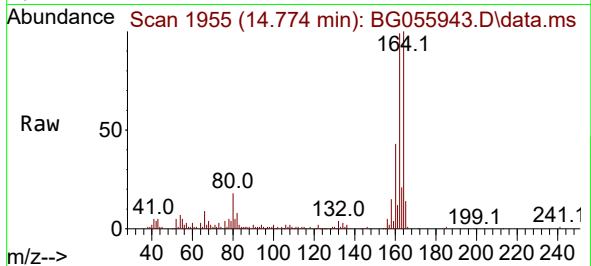




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

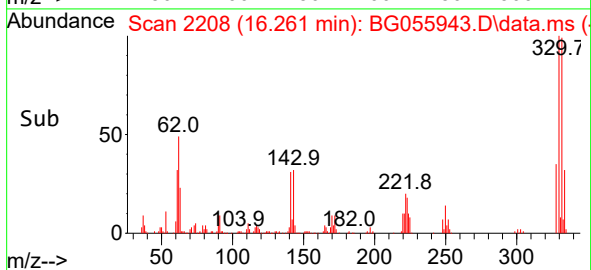
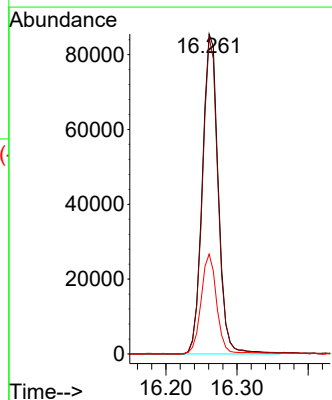
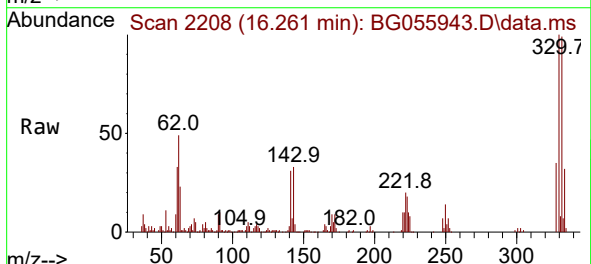
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

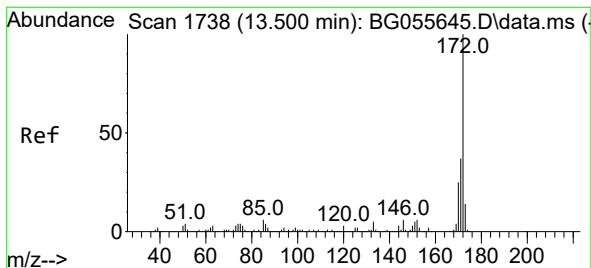
Tgt Ion:164 Resp: 81011
Ion Ratio Lower Upper
164 100
162 99.4 81.1 121.7
160 43.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 117.338 ng
RT: 16.261 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:330 Resp: 133852
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 30.6 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 68.750 ng

RT: 13.394 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

Instrument :

BNA_G

ClientSampleId :

A4-(0-6)

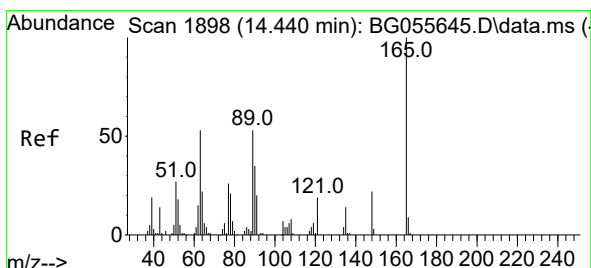
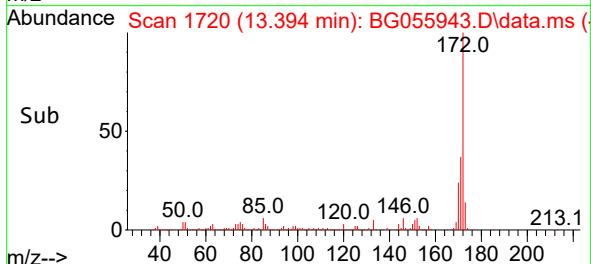
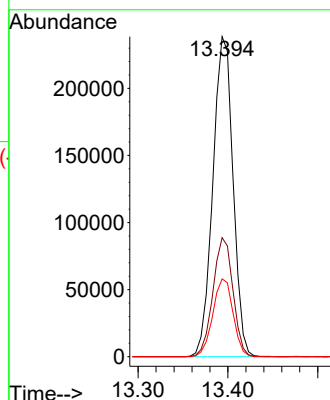
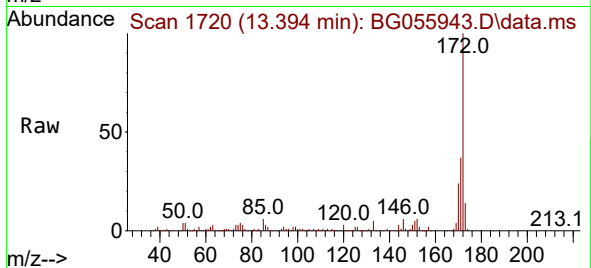
Tgt Ion:172 Resp: 371763

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.6

170 24.3 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.283 ng

RT: 14.774 min Scan# 1955

Delta R.T. 0.418 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

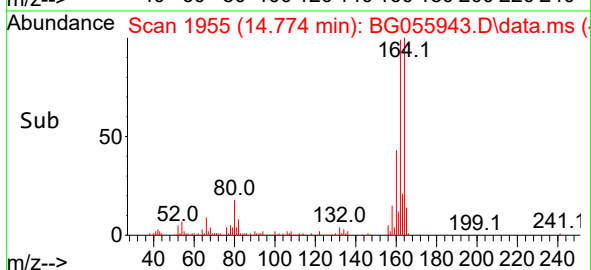
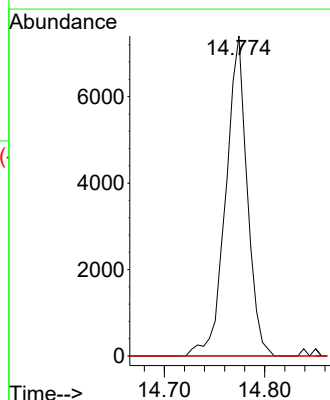
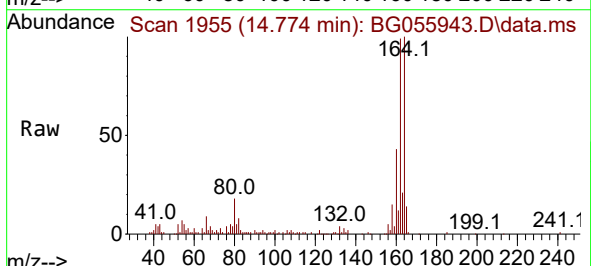
Tgt Ion:165 Resp: 10937

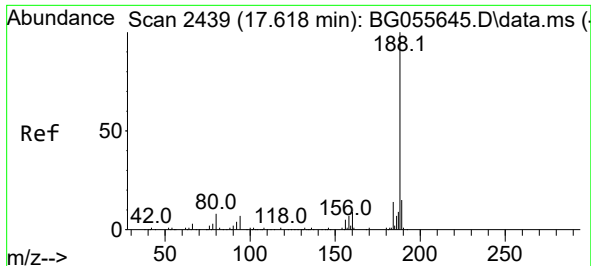
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 42.2 63.4#

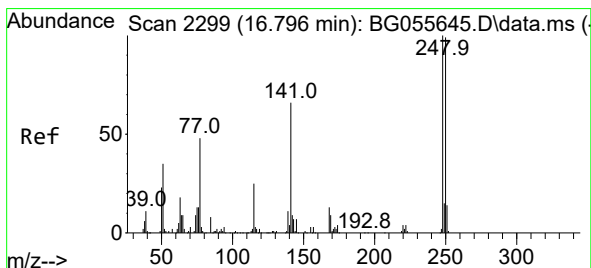
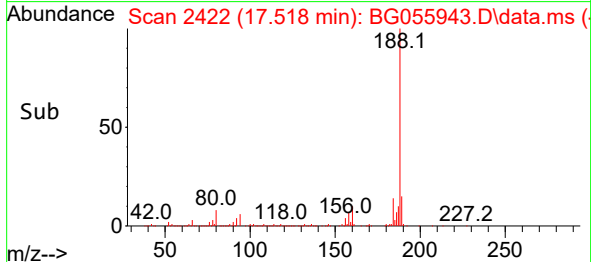
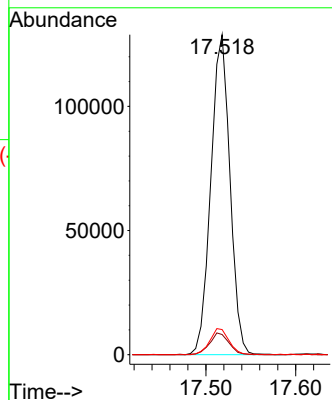
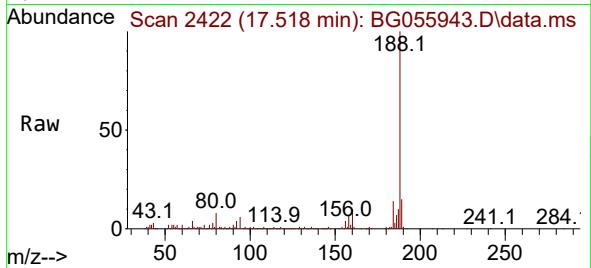




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.518 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

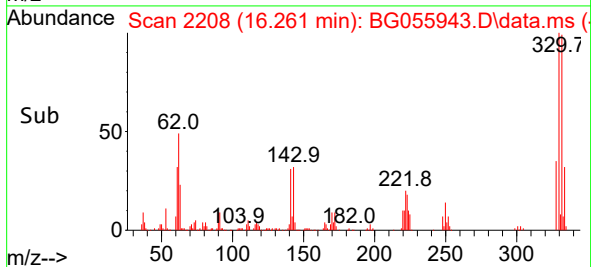
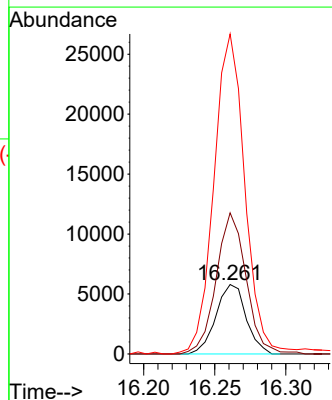
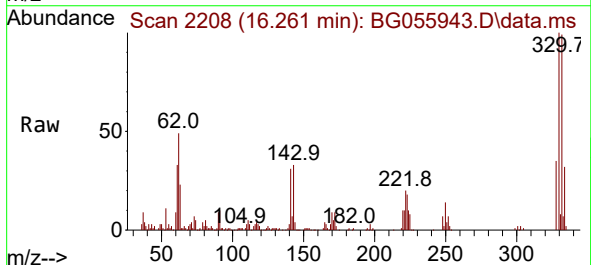
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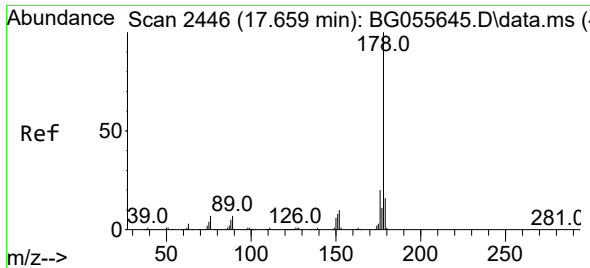
Tgt Ion:188 Resp: 190273
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.2
80 7.9 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.938 ng
RT: 16.261 min Scan# 2208
Delta R.T. -0.440 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:248 Resp: 8538
Ion Ratio Lower Upper
248 100
250 203.2 79.0 118.4#
141 461.0 52.9 79.3#

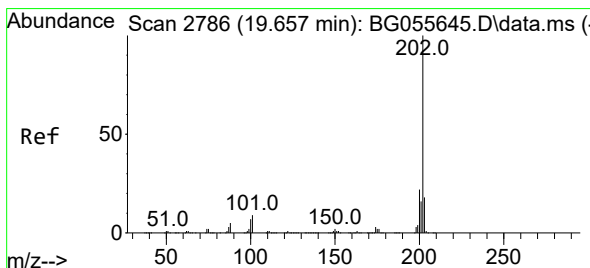
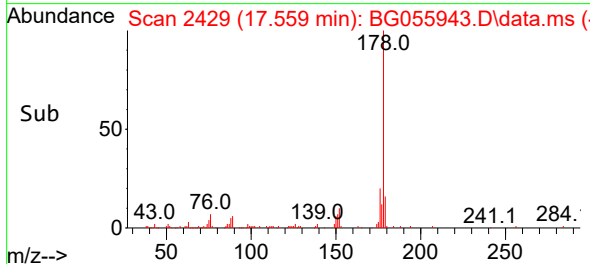
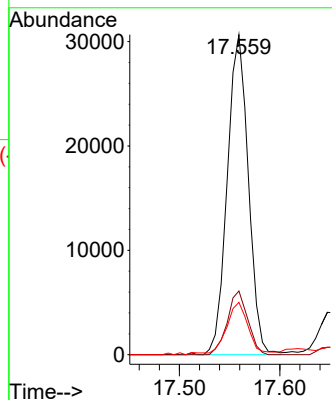
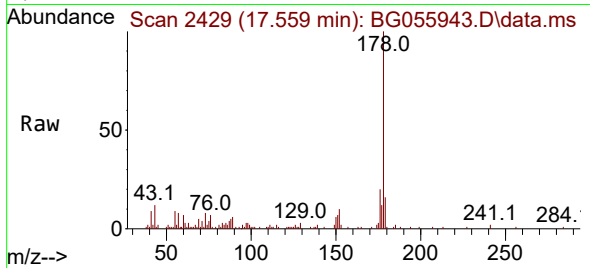




#71
Phenanthrene
Concen: 4.361 ng
RT: 17.559 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

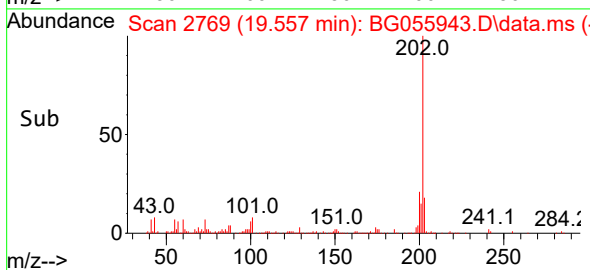
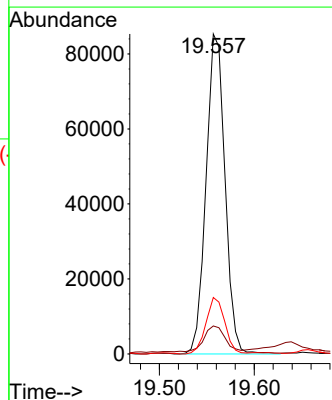
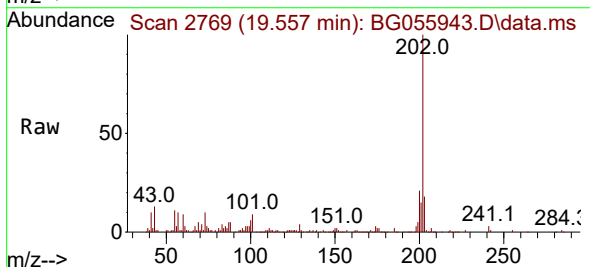
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BNA_G
ClientSampleId :
A4-(0-6)

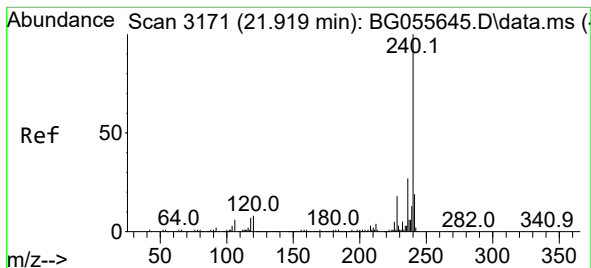
Tgt Ion:178 Resp: 44774
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.3 12.7 19.1



#75
Fluoranthene
Concen: 9.465 ng
RT: 19.557 min Scan# 2769
Delta R.T. -0.011 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:202 Resp: 118237
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 17.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.795 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

Instrument :

BNA_G

ClientSampleId :

A4-(0-6)

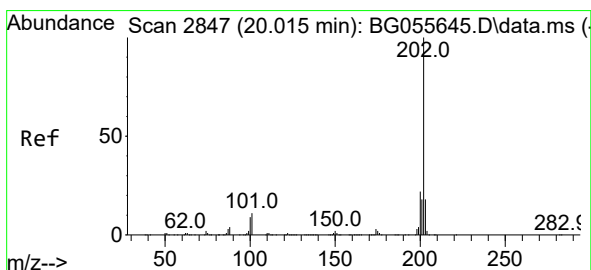
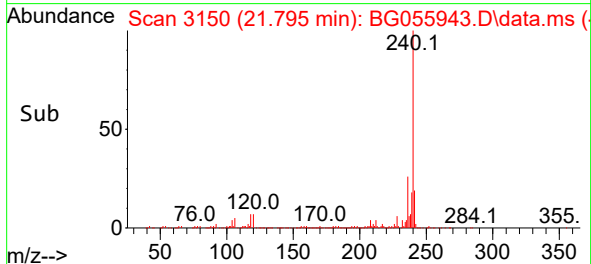
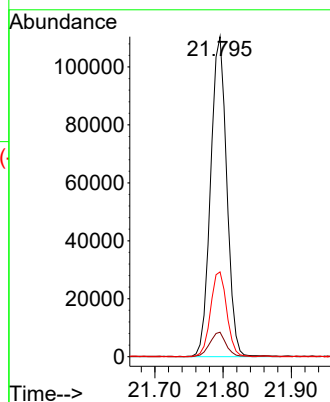
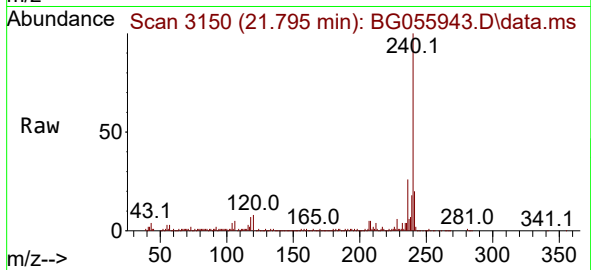
Tgt Ion:240 Resp: 181922

Ion Ratio Lower Upper

240 100

120 7.6 6.3 9.5

236 26.5 21.9 32.9



#78

Pyrene

Concen: 8.304 ng

RT: 19.921 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

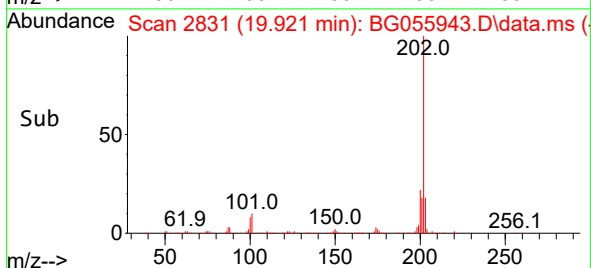
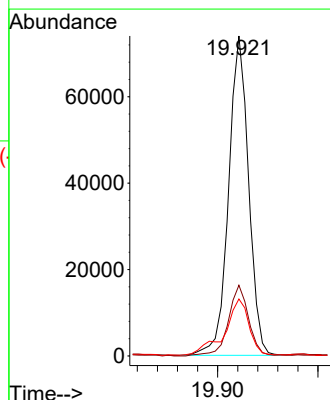
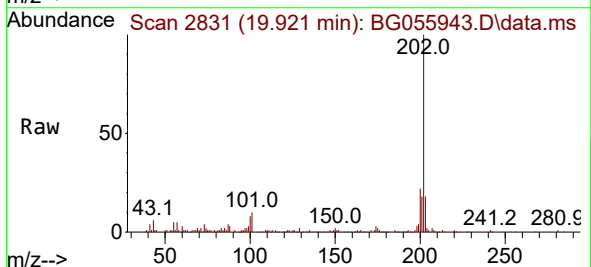
Tgt Ion:202 Resp: 102255

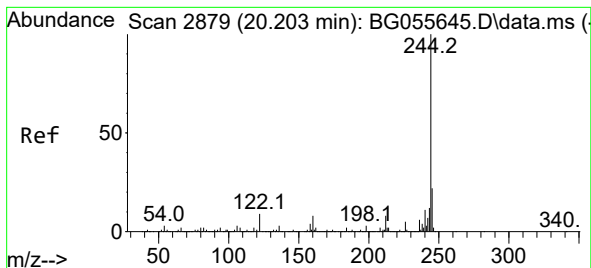
Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.6

203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 69.472 ng

RT: 20.103 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

Instrument :

BNA_G

ClientSampleId :

A4-(0-6)

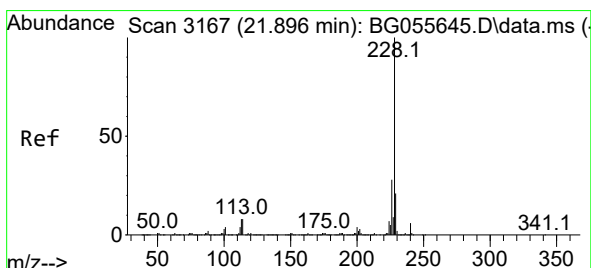
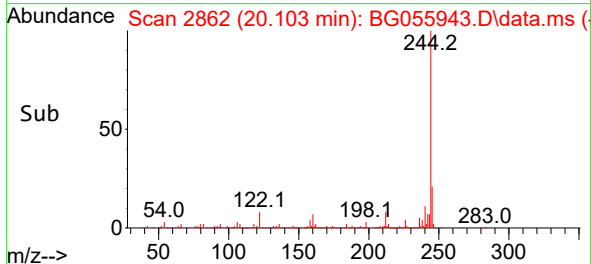
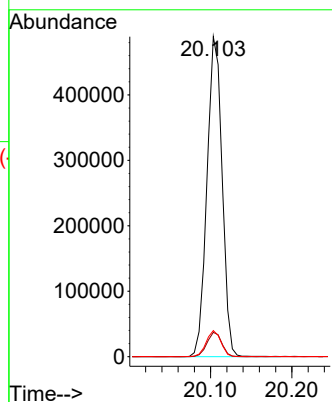
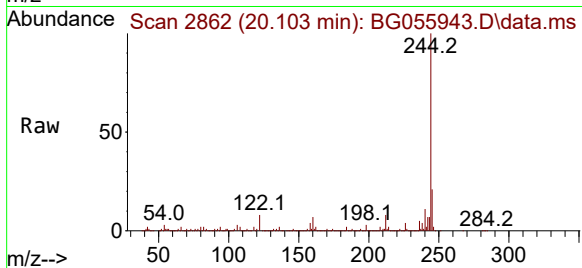
Tgt Ion:244 Resp: 631882

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 8.2 6.9 10.3



#81

Benzo(a)anthracene

Concen: 4.953 ng

RT: 21.772 min Scan# 3146

Delta R.T. -0.011 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

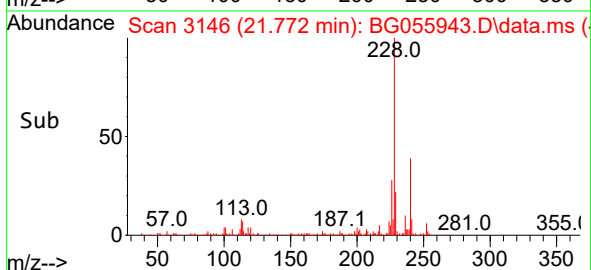
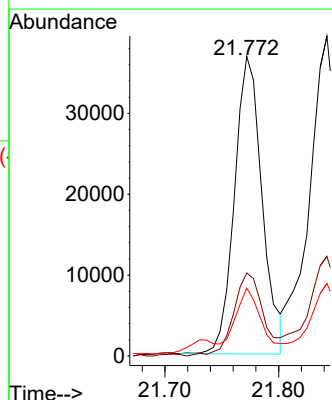
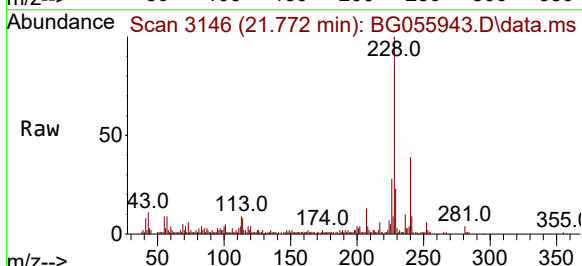
Tgt Ion:228 Resp: 62057

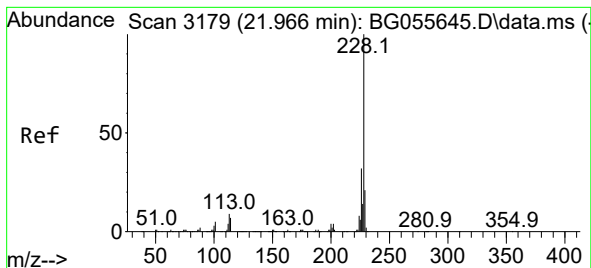
Ion Ratio Lower Upper

228 100

226 27.7 22.7 34.1

229 22.7 16.5 24.7





#83

Chrysene

Concen: 6.000 ng

RT: 21.842 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

Instrument :

BNA_G

ClientSampleId :

A4-(0-6)

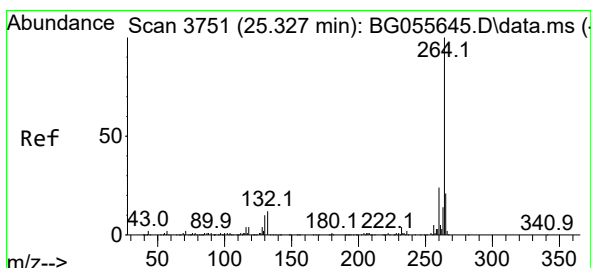
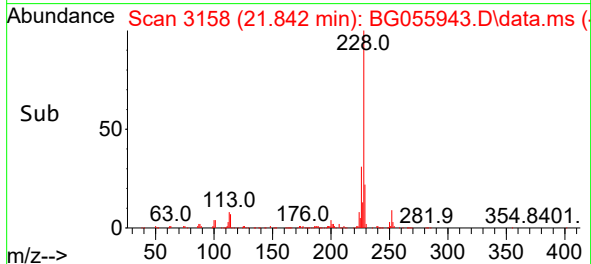
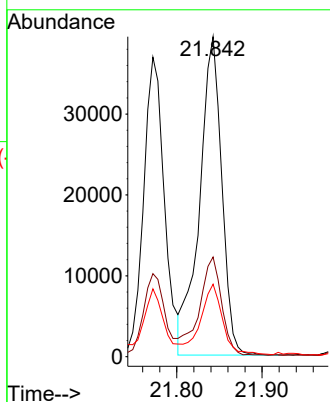
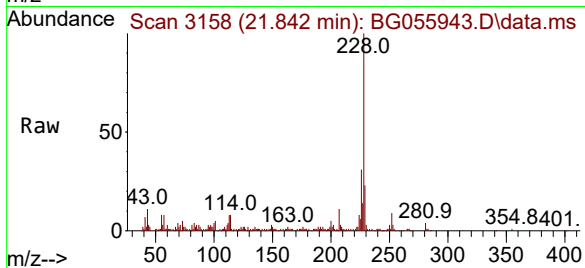
Tgt Ion:228 Resp: 71567

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.2

229 22.6 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.127 min Scan# 3717

Delta R.T. -0.006 min

Lab File: BG055943.D

Acq: 9 Dec 2022 14:16

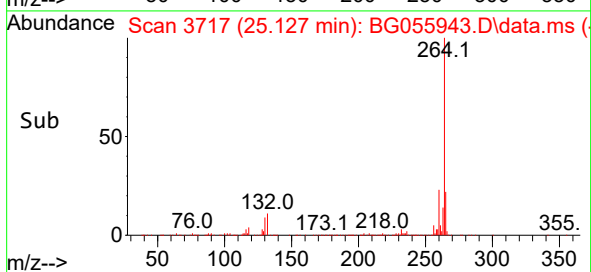
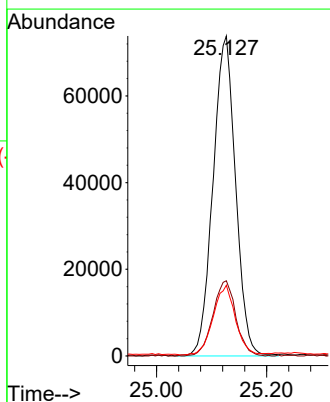
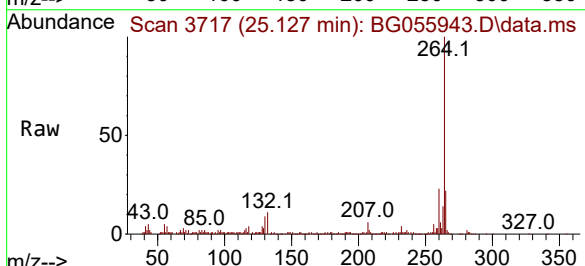
Tgt Ion:264 Resp: 210075

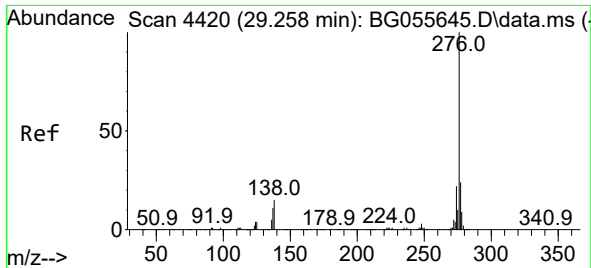
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.1 17.1 25.7

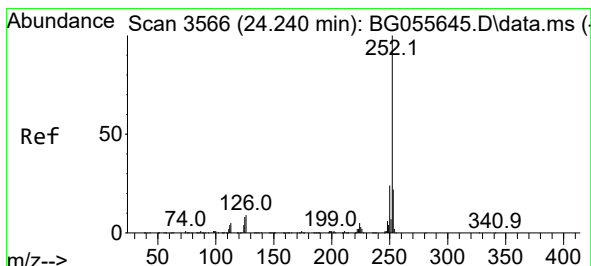
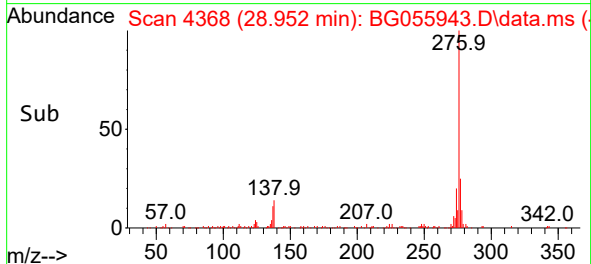
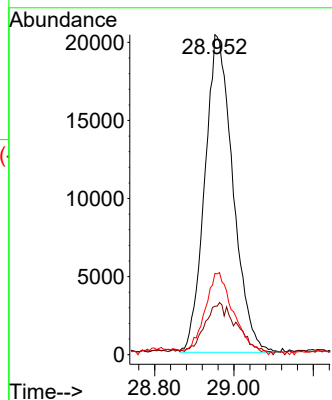
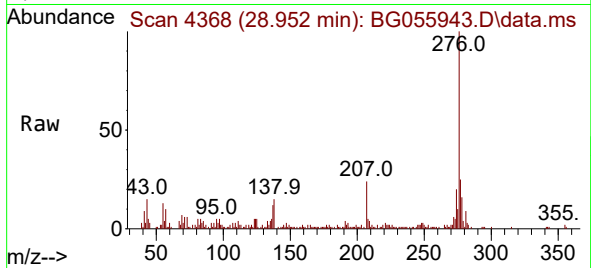




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.821 ng
RT: 28.952 min Scan# 41
Delta R.T. -0.029 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

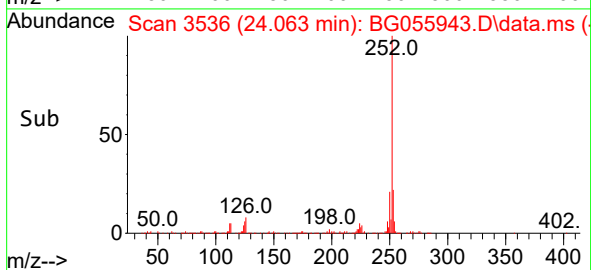
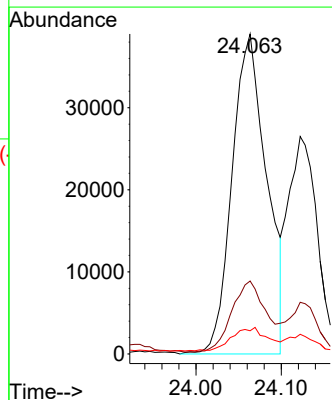
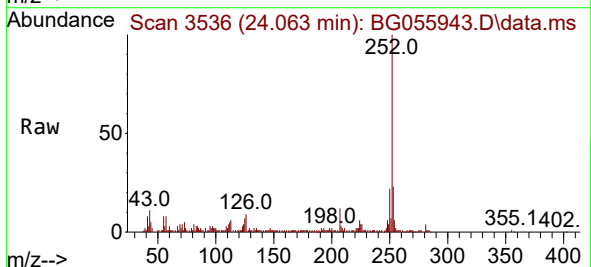
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

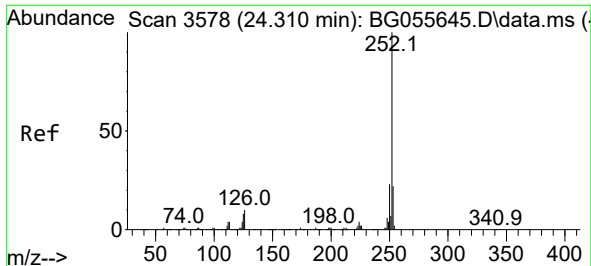
Tgt Ion:276 Resp: 100186
Ion Ratio Lower Upper
276 100
138 19.4 10.4 15.6#
277 26.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 8.019 ng
RT: 24.063 min Scan# 3536
Delta R.T. -0.006 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:252 Resp: 109704
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 7.2 6.2 9.2

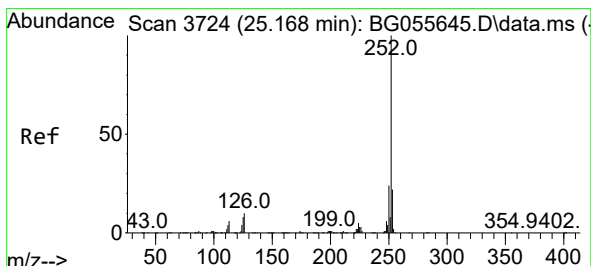
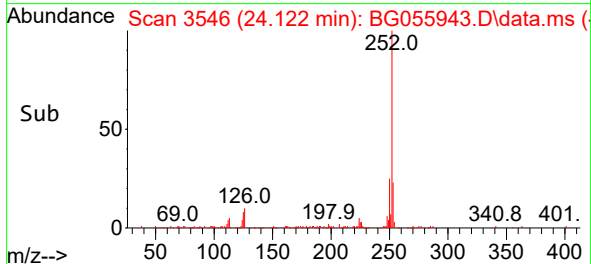
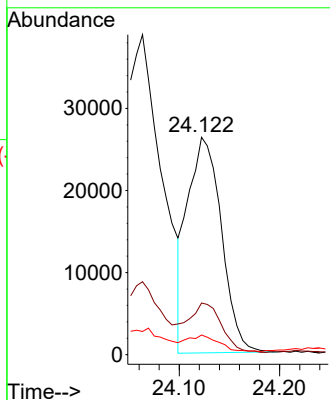
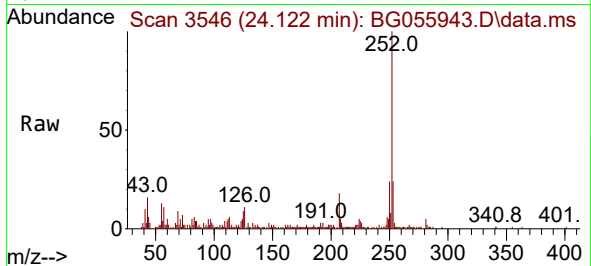




#89
Benzo(k)fluoranthene
Concen: 4.503 ng
RT: 24.122 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

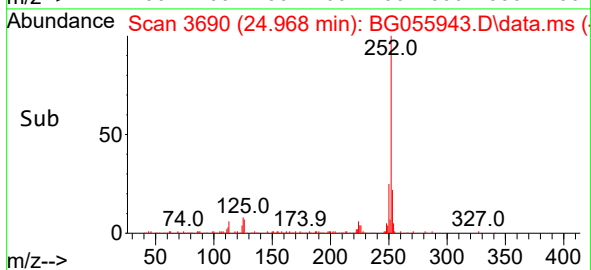
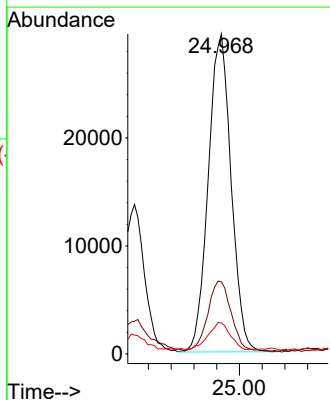
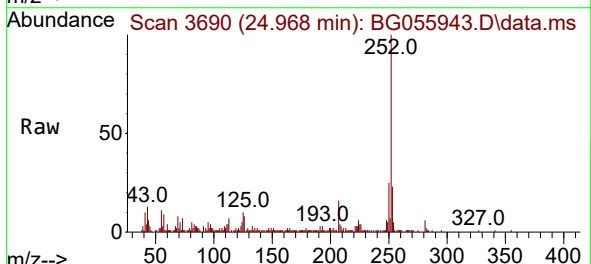
Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

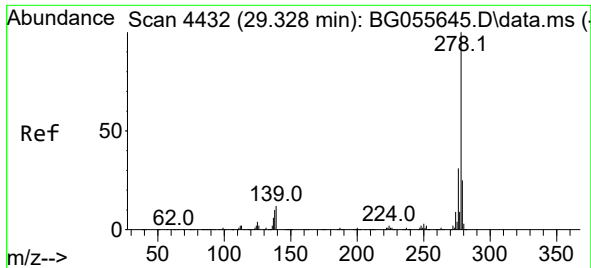
Tgt Ion:252 Resp: 61409
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 9.0 6.1 9.1



#90
Benzo(a)pyrene
Concen: 6.996 ng
RT: 24.968 min Scan# 3690
Delta R.T. -0.011 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:252 Resp: 82130
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 9.7 6.4 9.6#

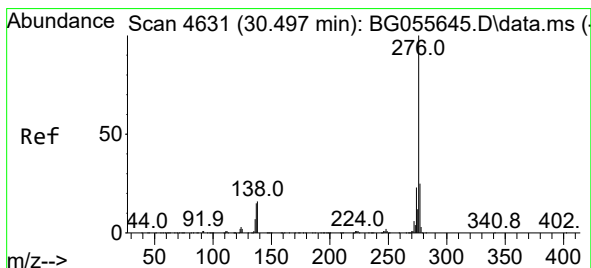
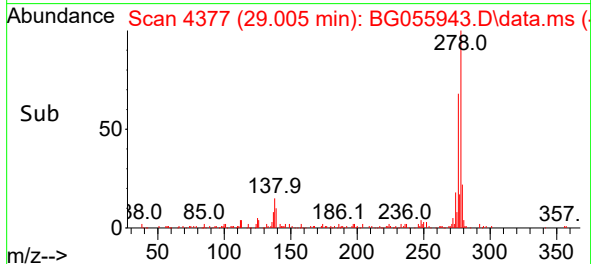
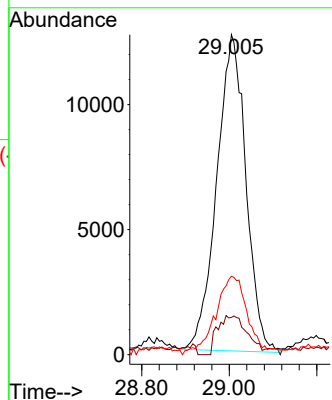
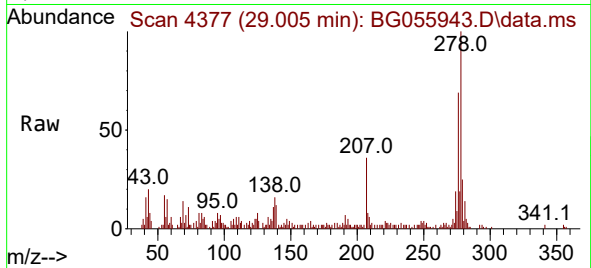




#91
Dibenzo(a,h)anthracene
Concen: 4.158 ng
RT: 29.005 min Scan# 41
Delta R.T. -0.023 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Instrument :
BNA_G
ClientSampleId :
A4-(0-6)

Tgt Ion:278 Resp: 58470
Ion Ratio Lower Upper
278 100
139 11.7 9.8 14.8
279 24.5 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 7.135 ng
RT: 30.156 min Scan# 4573
Delta R.T. -0.029 min
Lab File: BG055943.D
Acq: 9 Dec 2022 14:16

Tgt Ion:276 Resp: 101128
Ion Ratio Lower Upper
276 100
277 23.8 19.8 29.6
138 16.7 13.1 19.7

