

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054389.D
 Acq On : 25 Jul 2022 21:33
 Operator : CG/JU
 Sample : N3858-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-A

Quant Time: Jul 26 00:55:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

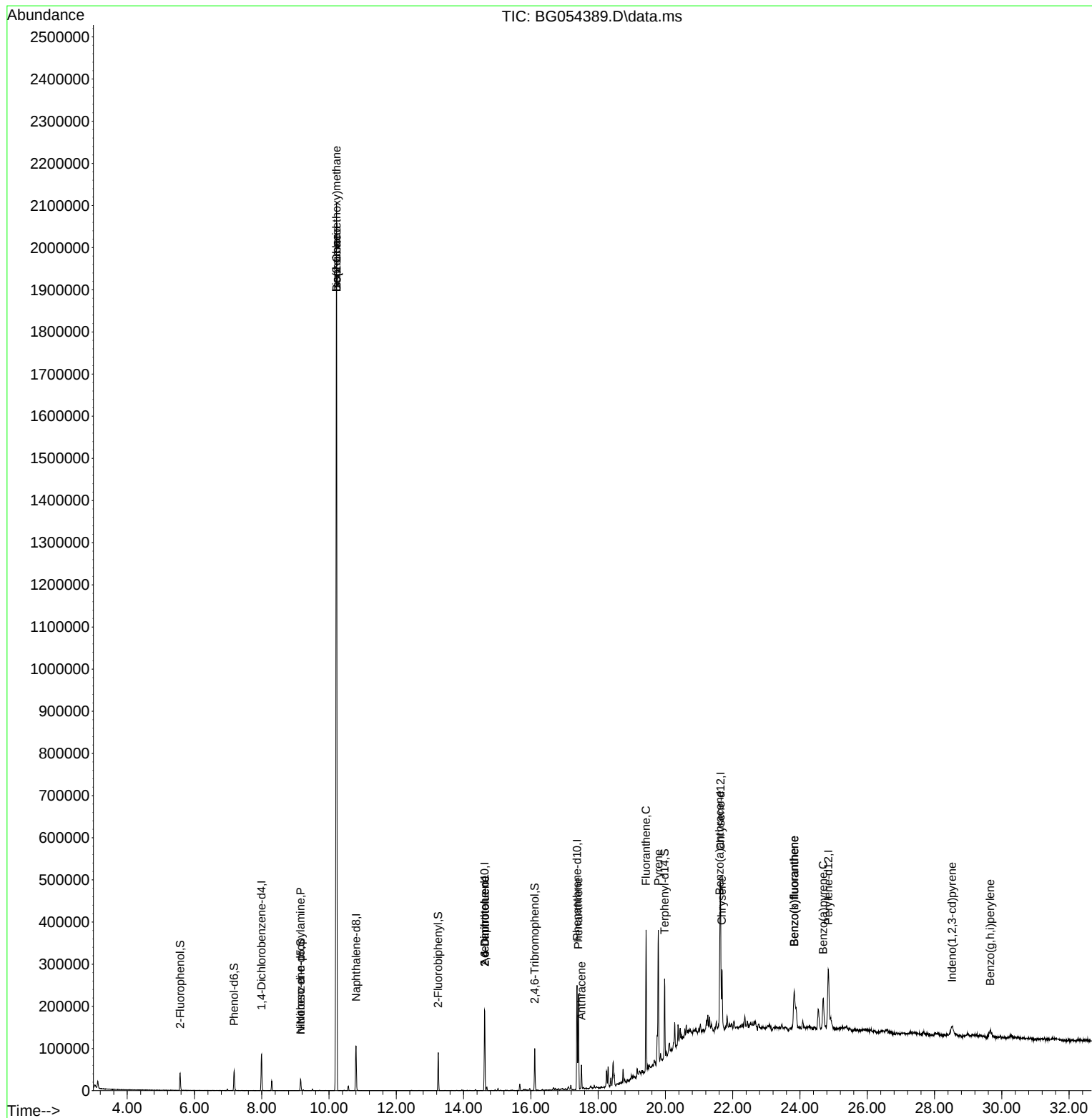
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.996	152	27784	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	99662	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	75668	20.000	ng	0.00
64) Phenanthrene-d10	17.373	188	181523	20.000	ng	# 0.00
76) Chrysene-d12	21.639	240	197435	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	199361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	20352	15.294	ng	0.00
7) Phenol-d6	7.179	99	29506	16.182	ng	0.00
23) Nitrobenzene-d5	9.153	82	17909	9.786	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	25017	15.746	ng	0.00
45) 2-Fluorobiphenyl	13.249	172	54064	10.079	ng	0.00
79) Terphenyl-d14	19.976	244	103967	10.446	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.153	70	2496	2.050	ng	# 80
25) Isophorone	10.223	82	59725	18.765	ng	# 1
28) bis(2-Chloroethoxy)met...	10.223	93	93782	58.421	ng	# 1
32) Benzoic acid	10.223	122	337	8.242	ng	# 1
51) 2,6-Dinitrotoluene	14.629	165	10537	8.128	ng	# 16
57) 2,4-Dinitrotoluene	14.629	165	10537	5.670	ng	# 21
71) Phenanthrene	17.414	178	158696	17.555	ng	97
72) Anthracene	17.503	178	42913	4.838	ng	98
75) Fluoranthene	19.424	202	237938	19.309	ng	95
78) Pyrene	19.788	202	231118	20.401	ng	99
81) Benzo(a)anthracene	21.615	228	131717	10.510	ng	98
83) Chrysene	21.680	228	116213	9.815	ng	95
87) Indeno(1,2,3-cd)pyrene	28.519	276	48146	3.175	ng	# 94
88) Benzo(b)fluoranthene	23.830	252	136372	11.567	ng	94
89) Benzo(k)fluoranthene	23.830	252	136372	11.622	ng	95
90) Benzo(a)pyrene	24.688	252	101287	10.060	ng	95
92) Benzo(g,h,i)perylene	29.659	276	48910	3.974	ng	93

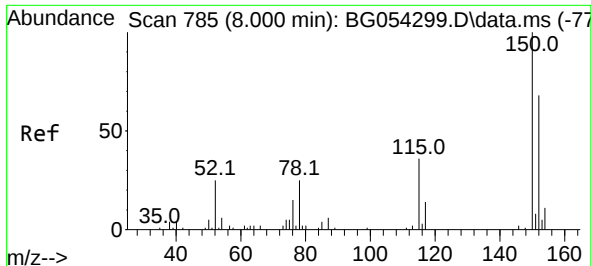
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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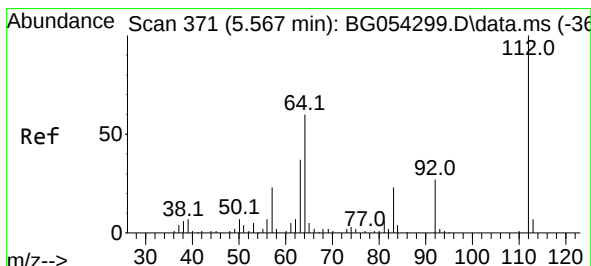
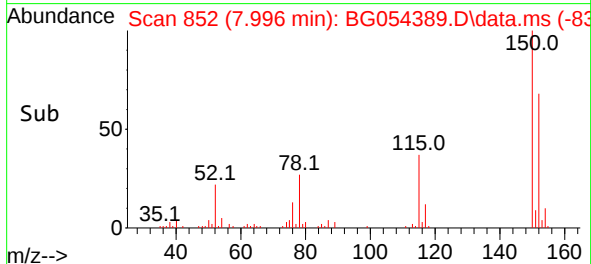
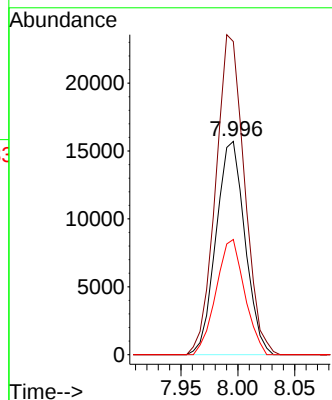
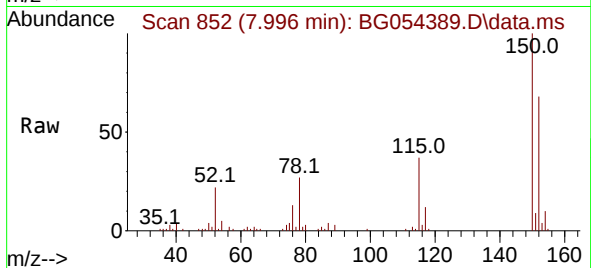




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.996 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

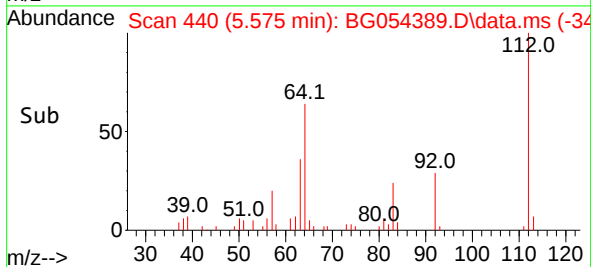
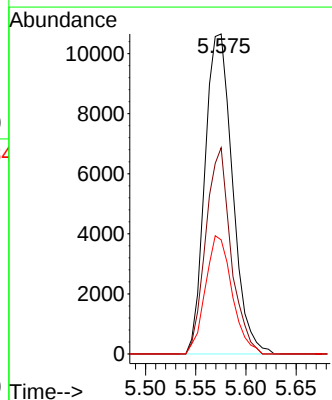
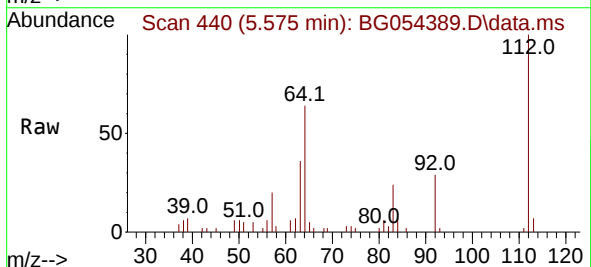
Instrument :
BNA_G
ClientSampleId :
SB-A

Tgt Ion:152 Resp: 27784
Ion Ratio Lower Upper
152 100
150 146.8 131.6 197.4
115 54.0 50.9 76.3



#5
2-Fluorophenol
Concen: 15.294 ng
RT: 5.575 min Scan# 440
Delta R.T. 0.008 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion:112 Resp: 20352
Ion Ratio Lower Upper
112 100
64 64.5 55.1 82.7
63 35.6 30.4 45.6

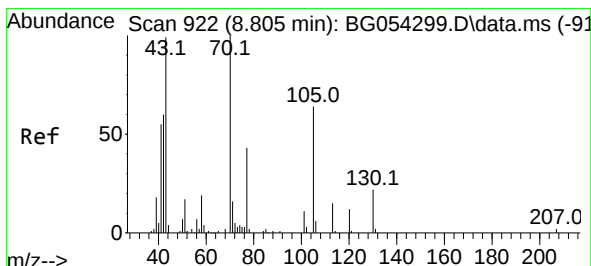
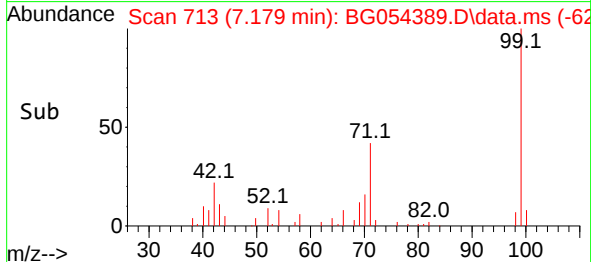
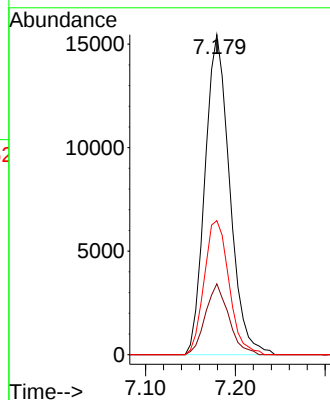
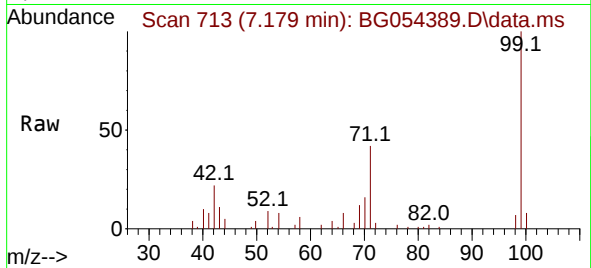




#7
Phenol-d6
Concen: 16.182 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

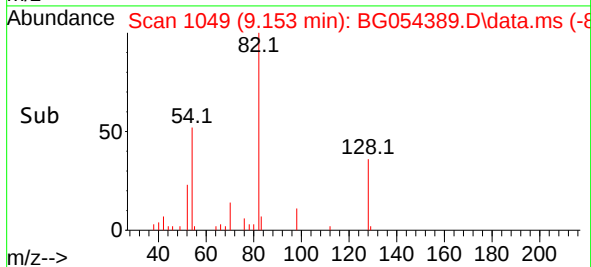
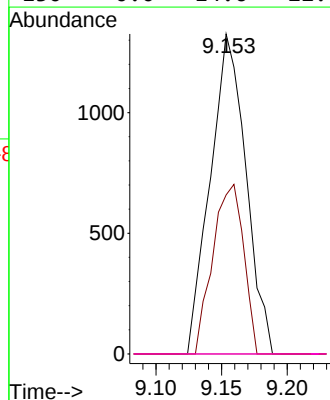
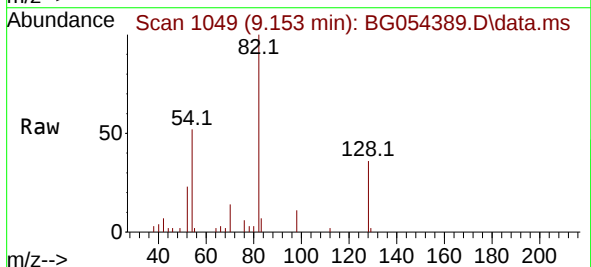
Instrument :
BNA_G
ClientSampleId :
SB-A

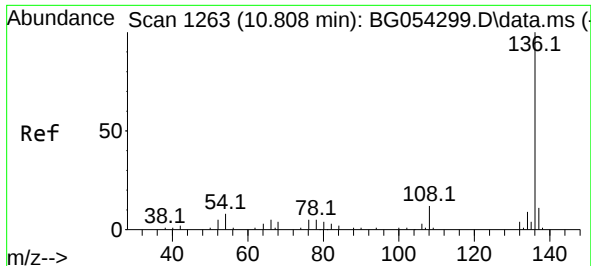
Tgt Ion: 99 Resp: 29506
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 41.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.050 ng
RT: 9.153 min Scan# 1049
Delta R.T. 0.349 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion: 70 Resp: 2496
Ion Ratio Lower Upper
70 100
42 49.7 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

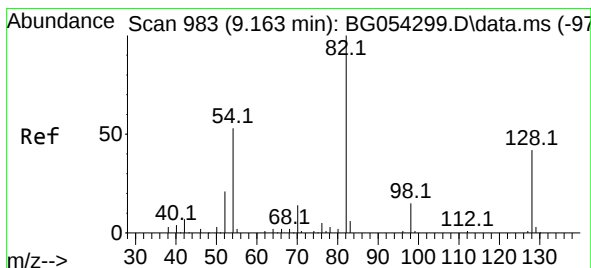
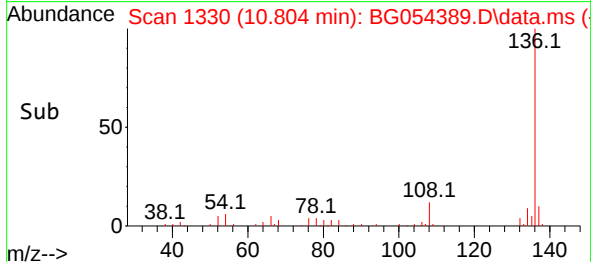
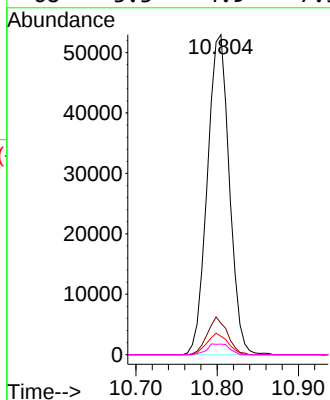
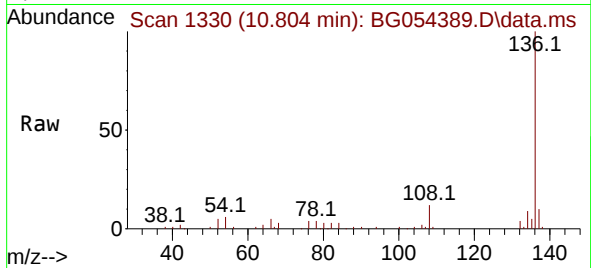




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.804 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

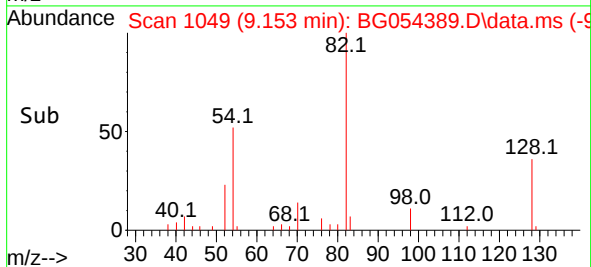
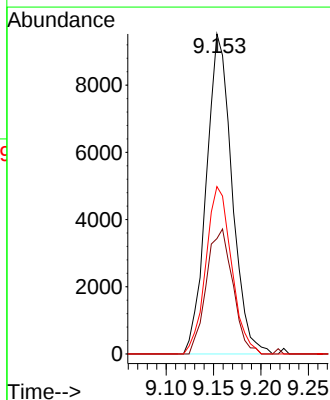
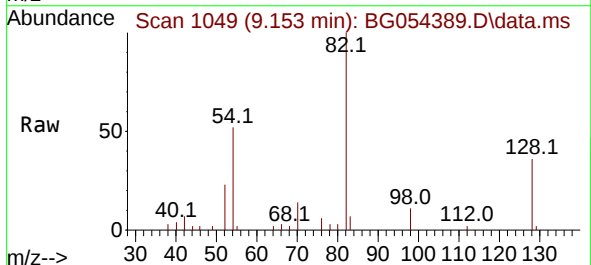
Instrument :
BNA_G
ClientSampleId :
SB-A

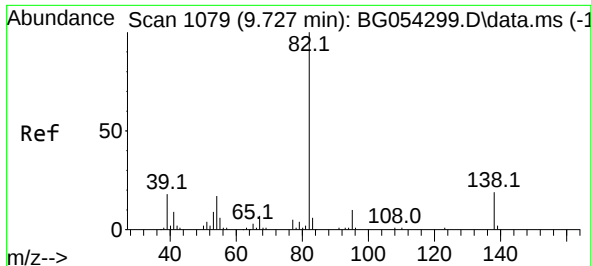
Tgt Ion:	136	Resp:	99662
Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.5	12.7
54	5.7	7.4	11.2#
68	3.3	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 9.786 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.010 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion:	82	Resp:	17909
Ion	Ratio	Lower	Upper
82	100		
128	36.0	27.9	41.9
54	52.3	41.2	61.8

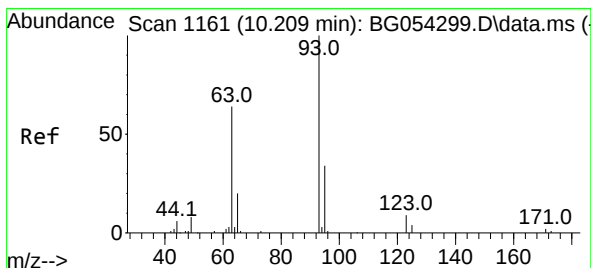
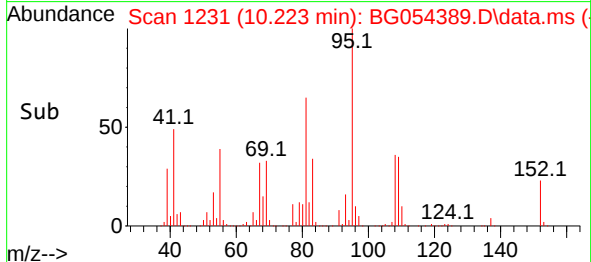
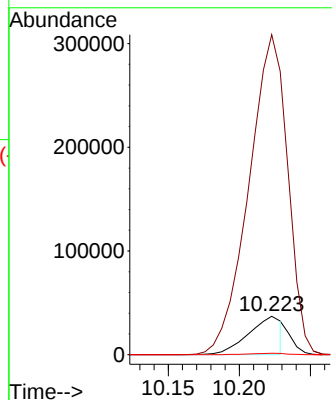
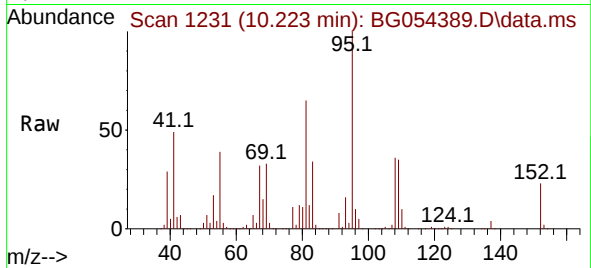




#25
Isophorone
Concen: 18.765 ng
RT: 10.223 min Scan# 11
Delta R.T. 0.496 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

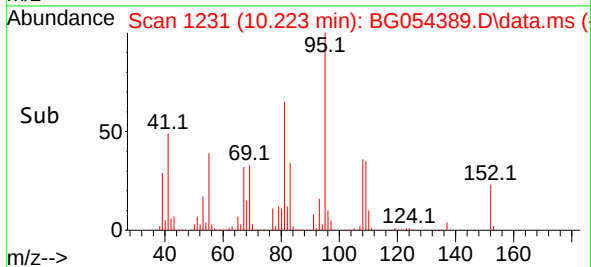
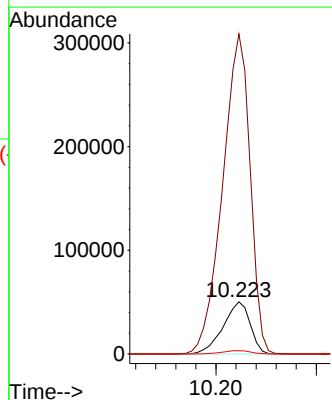
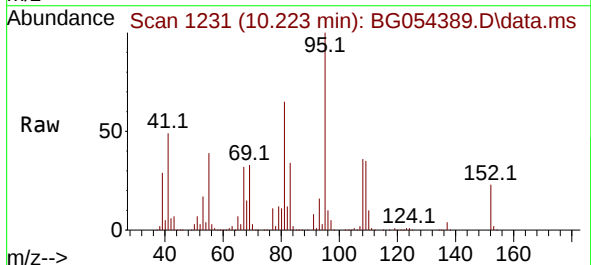
Instrument :
BNA_G
ClientSampleId :
SB-A

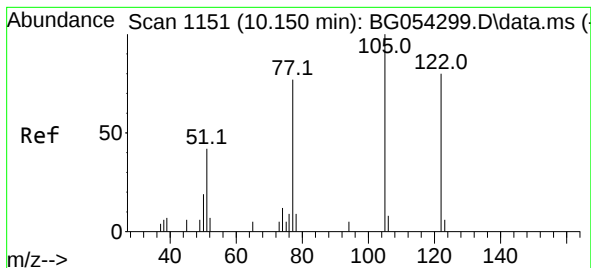
Tgt Ion: 82 Resp: 59725
Ion Ratio Lower Upper
82 100
95 834.3 6.2 9.4#
138 3.6 11.6 17.4#



#28
bis(2-Chloroethoxy)methane
Concen: 58.421 ng
RT: 10.223 min Scan# 1231
Delta R.T. 0.014 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion: 93 Resp: 93782
Ion Ratio Lower Upper
93 100
95 614.2 26.9 40.3#
123 6.0 7.7 11.5#





#32

Benzoic acid

Concen: 8.242 ng

RT: 10.223 min Scan# 11

Delta R.T. 0.073 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

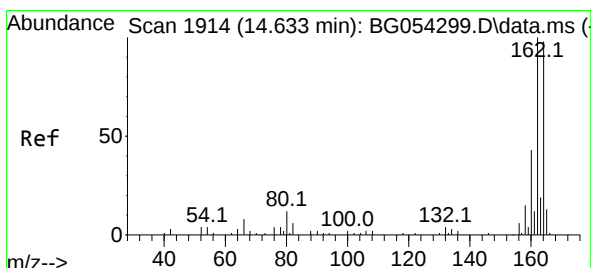
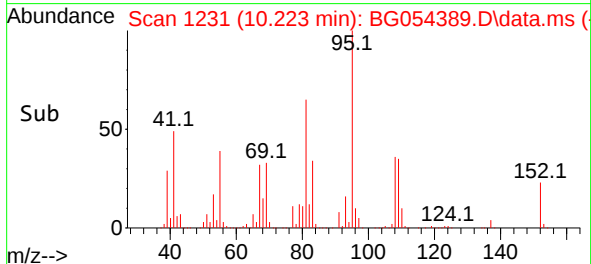
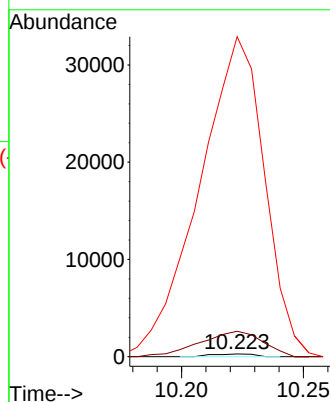
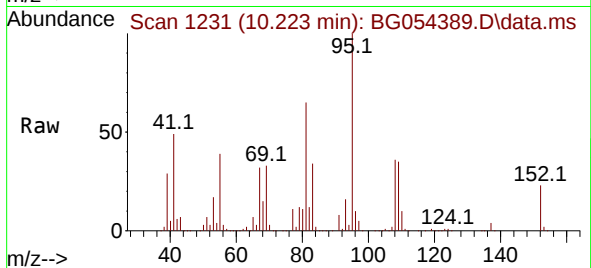
Tgt Ion:122 Resp: 337

Ion Ratio Lower Upper

122 100

105 945.5 111.8 151.8#

77 11878.7 109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.624 min Scan# 1980

Delta R.T. -0.009 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

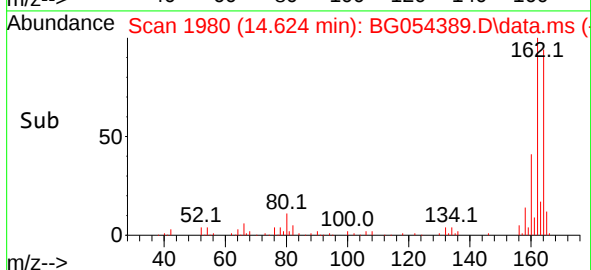
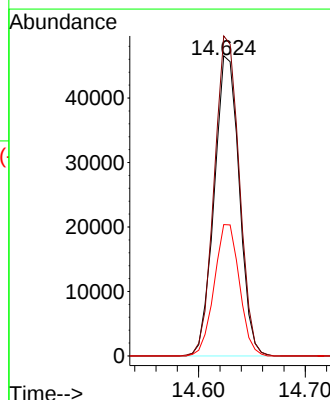
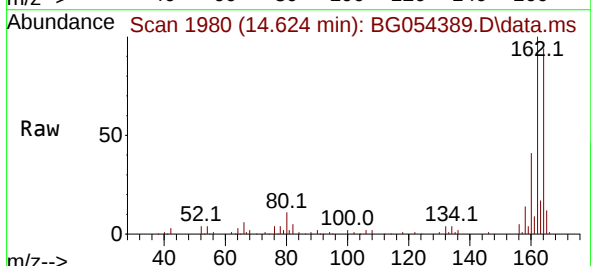
Tgt Ion:164 Resp: 75668

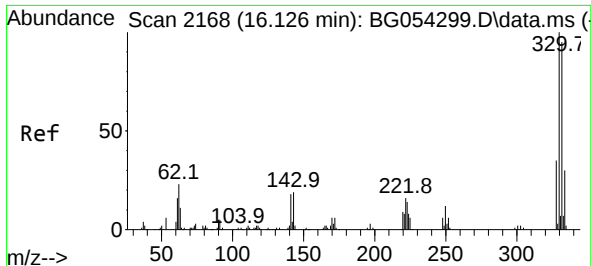
Ion Ratio Lower Upper

164 100

162 106.6 82.3 123.5

160 43.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 15.746 ng

RT: 16.116 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

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ClientSampleId :

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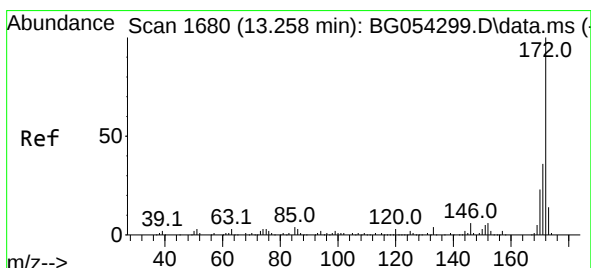
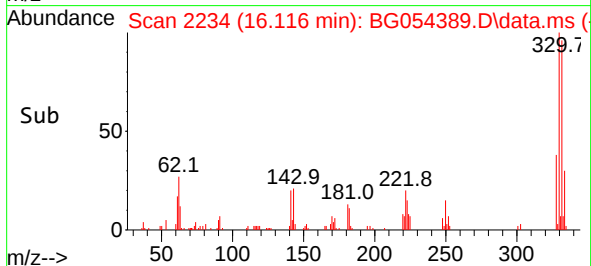
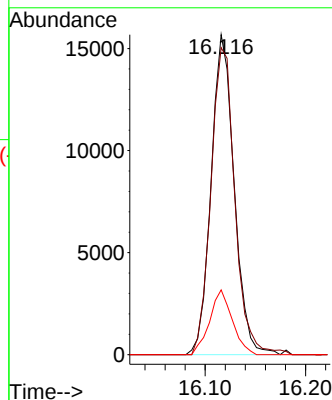
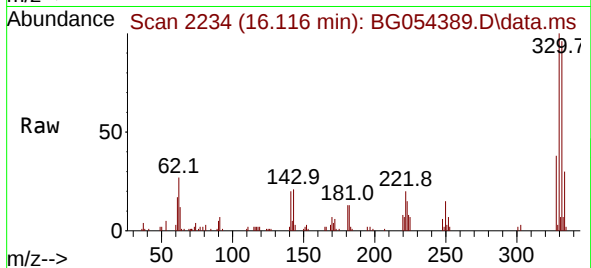
Tgt Ion:330 Resp: 25017

Ion Ratio Lower Upper

330 100

332 99.7 76.0 114.0

141 19.9 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 10.079 ng

RT: 13.249 min Scan# 1746

Delta R.T. -0.010 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

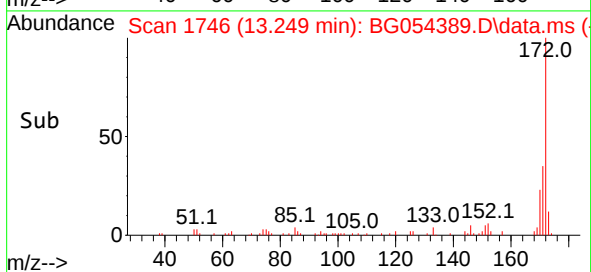
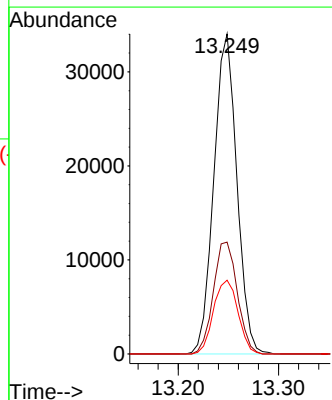
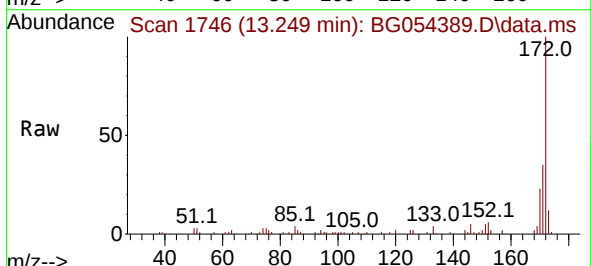
Tgt Ion:172 Resp: 54064

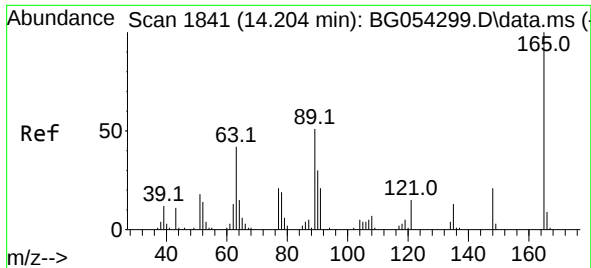
Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

170 23.1 18.9 28.3

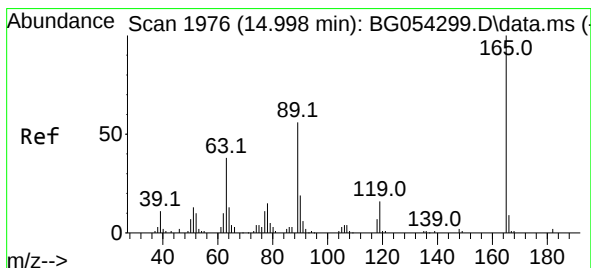
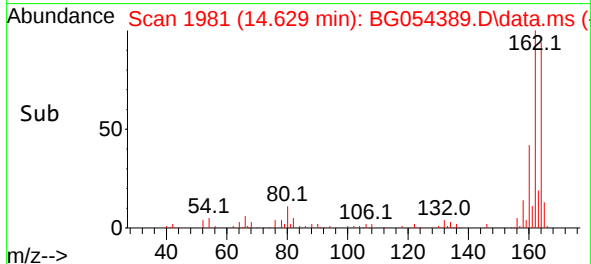
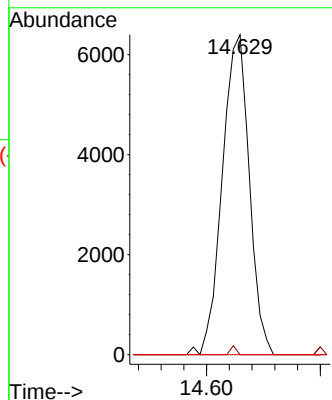
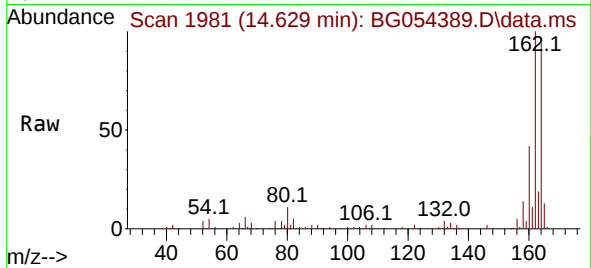




#51
2,6-Dinitrotoluene
Concen: 8.128 ng
RT: 14.629 min Scan# 1981
Delta R.T. 0.425 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

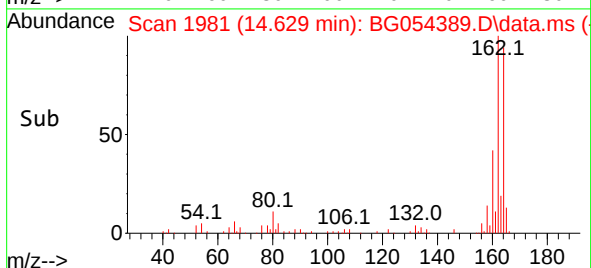
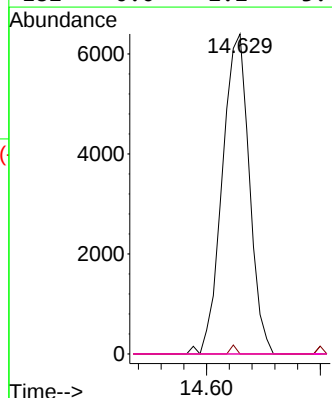
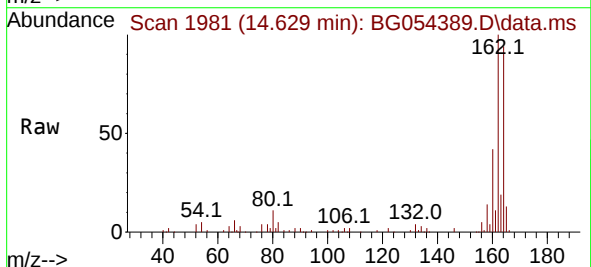
Instrument :
BNA_G
ClientSampleId :
SB-A

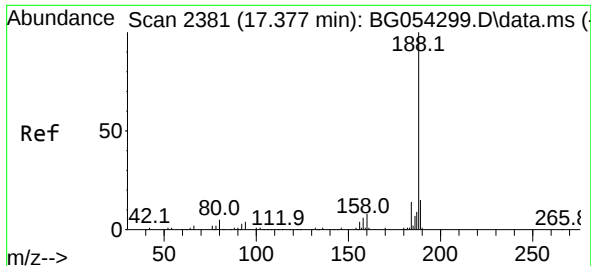
Tgt Ion:165 Resp: 10537
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.670 ng
RT: 14.629 min Scan# 1981
Delta R.T. -0.368 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion:165 Resp: 10537
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

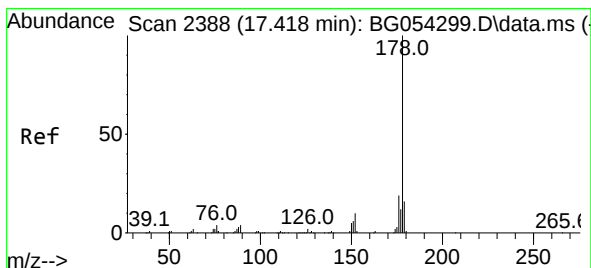
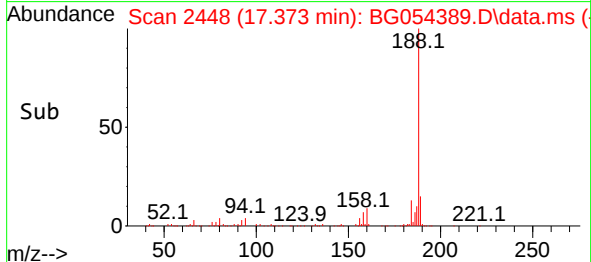
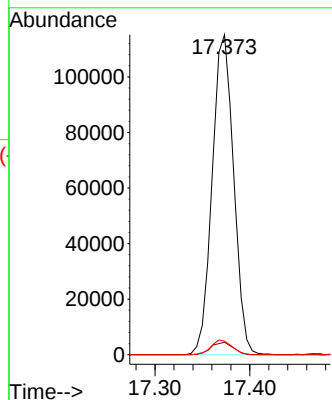
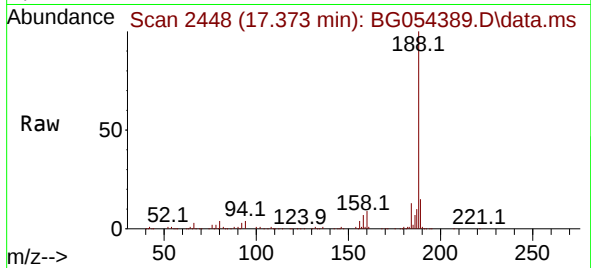




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.373 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

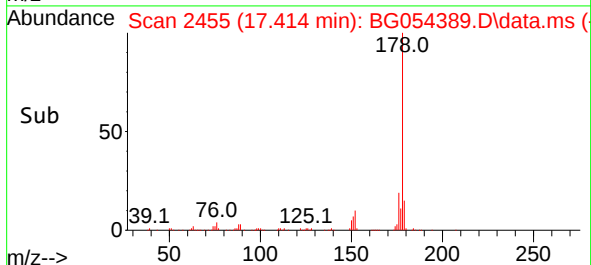
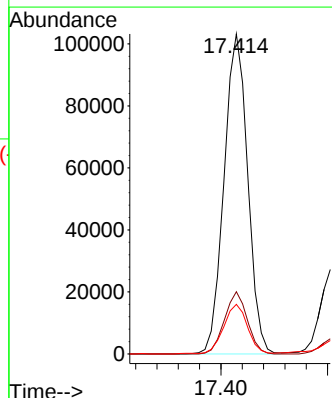
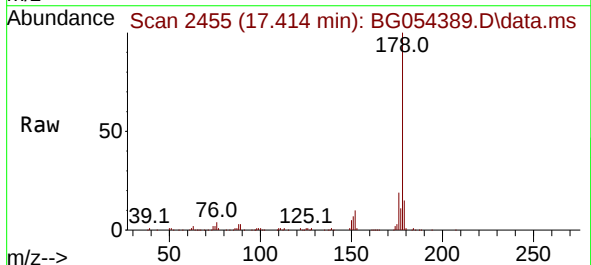
Instrument :
BNA_G
ClientSampleId :
SB-A

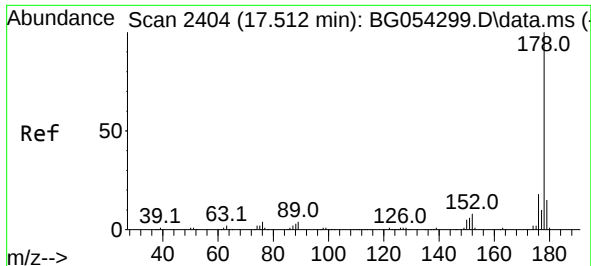
Tgt Ion:188 Resp: 181523
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.2 6.8 10.2#



#71
Phenanthrene
Concen: 17.555 ng
RT: 17.414 min Scan# 2455
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion:178 Resp: 158696
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.5 12.1 18.1

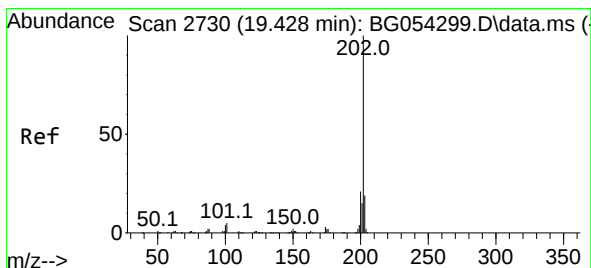
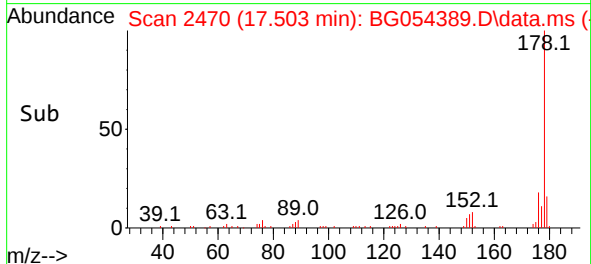
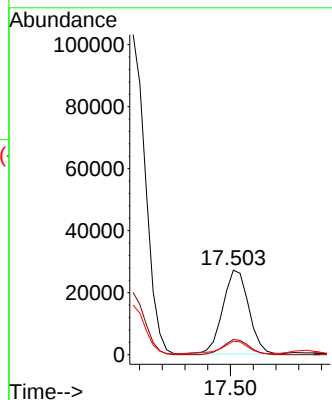
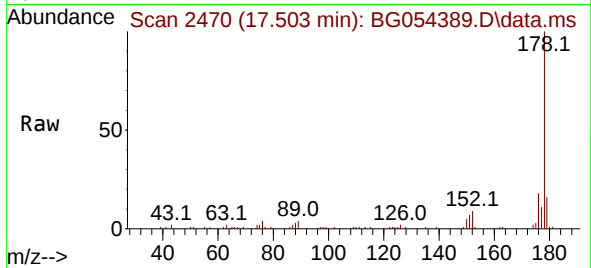




#72
 Anthracene
 Concen: 4.838 ng
 RT: 17.503 min Scan# 2404
 Delta R.T. -0.010 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

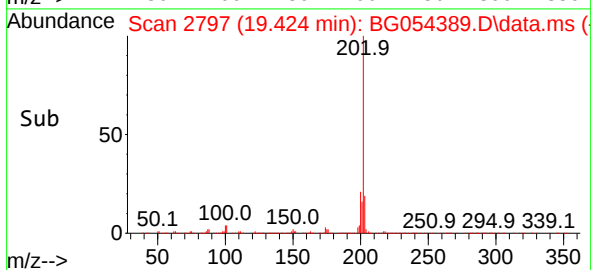
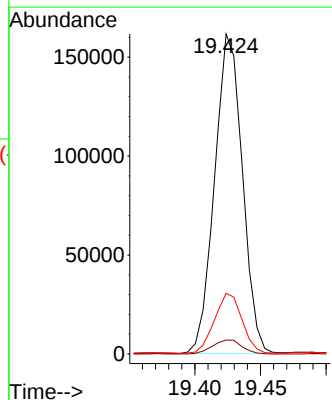
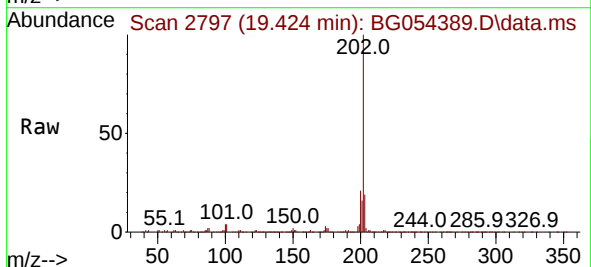
Instrument :
 BNA_G
 ClientSampleId :
 SB-A

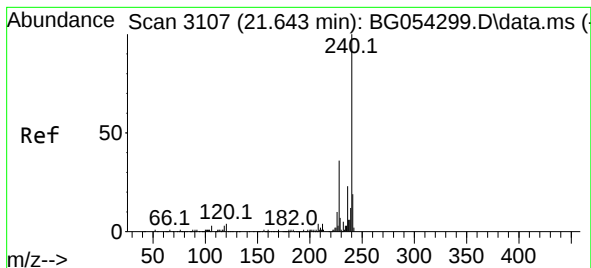
Tgt Ion:178 Resp: 42913
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.2 22.8
 179 15.9 13.0 19.4



#75
 Fluoranthene
 Concen: 19.309 ng
 RT: 19.424 min Scan# 2797
 Delta R.T. -0.004 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

Tgt Ion:202 Resp: 237938
 Ion Ratio Lower Upper
 202 100
 101 4.3 0.0 26.9
 203 18.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

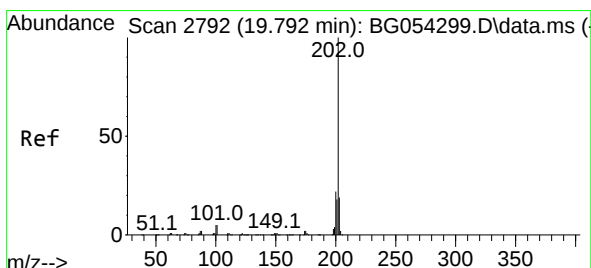
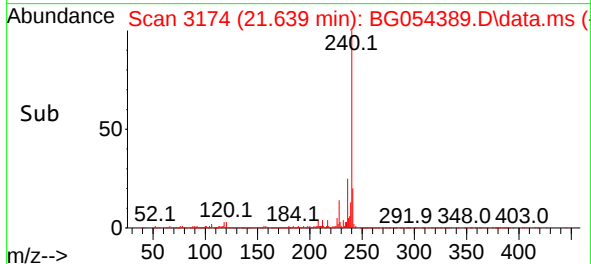
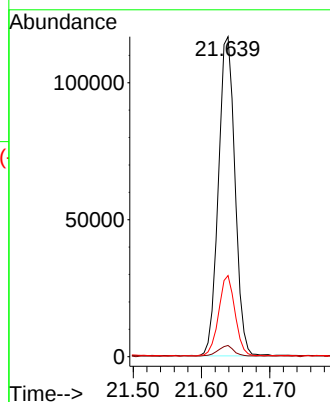
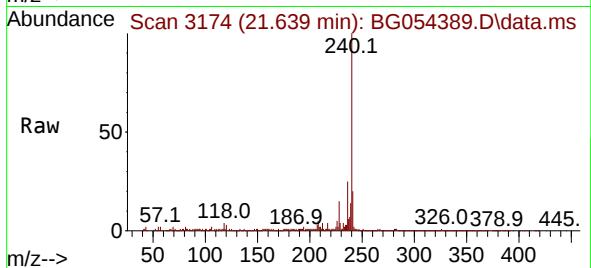
Tgt Ion:240 Resp: 197435

Ion Ratio Lower Upper

240 100

120 3.5 4.6 7.0#

236 25.4 20.2 30.4



#78

Pyrene

Concen: 20.401 ng

RT: 19.788 min Scan# 2859

Delta R.T. -0.004 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

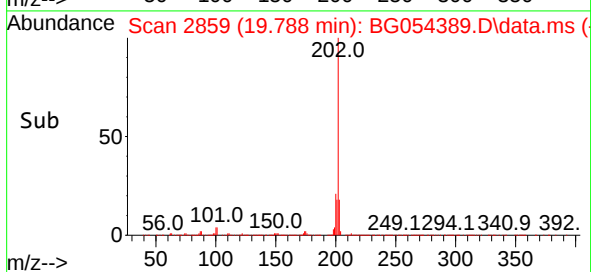
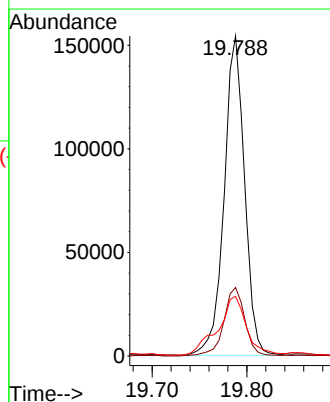
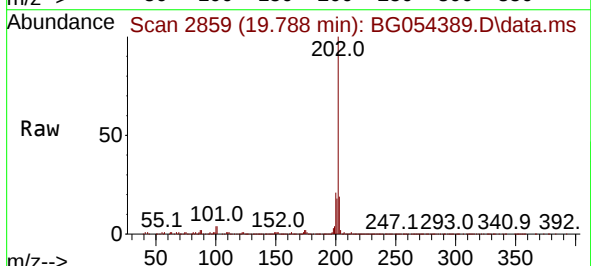
Tgt Ion:202 Resp: 231118

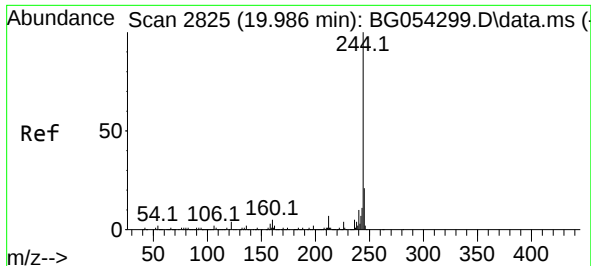
Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

203 18.6 14.6 21.8

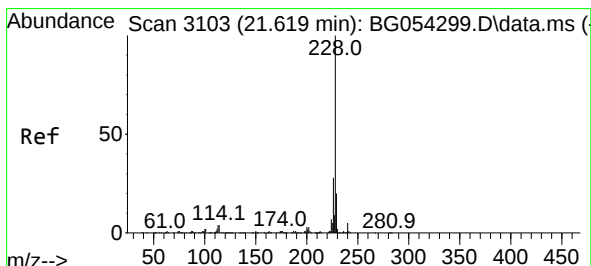
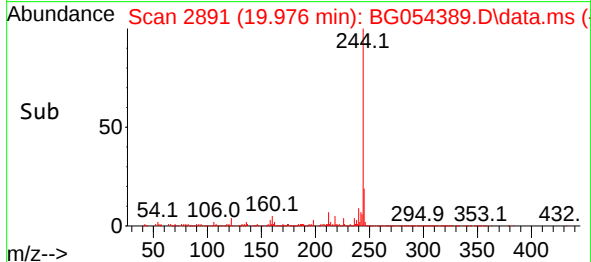
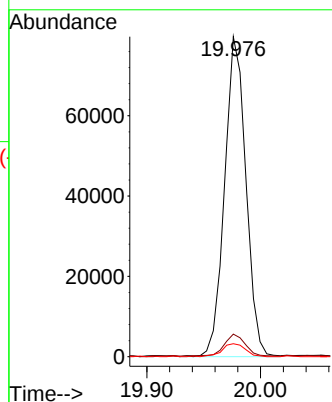
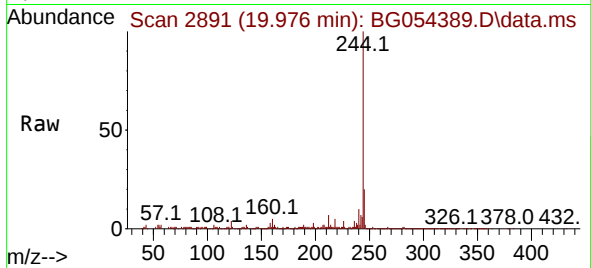




#79
 Terphenyl-d14
 Concen: 10.446 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

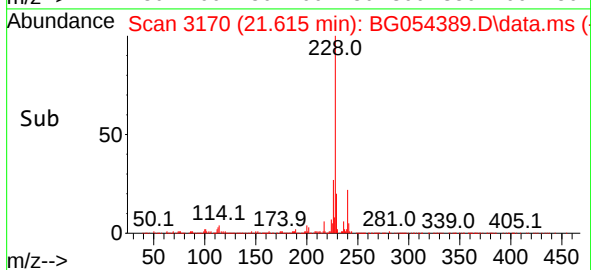
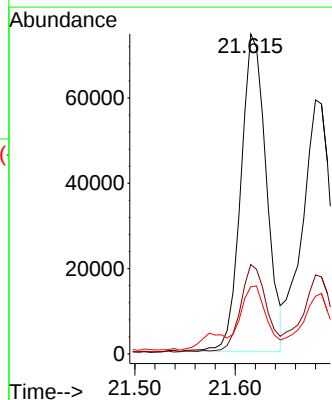
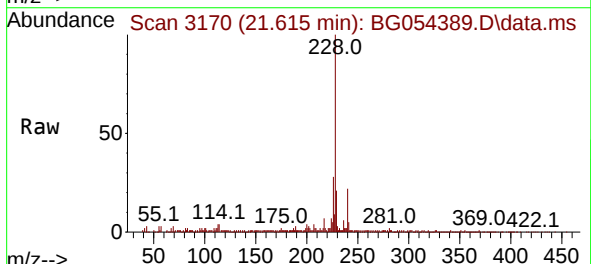
Instrument :
 BNA_G
 ClientSampleId :
 SB-A

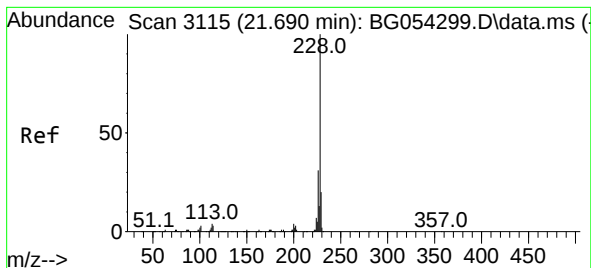
Tgt Ion:244 Resp: 103967
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.1 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 10.510 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. -0.004 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

Tgt Ion:228 Resp: 131717
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 21.0 16.2 24.2





#83

Chrysene

Concen: 9.815 ng

RT: 21.680 min Scan# 3115

Delta R.T. -0.010 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

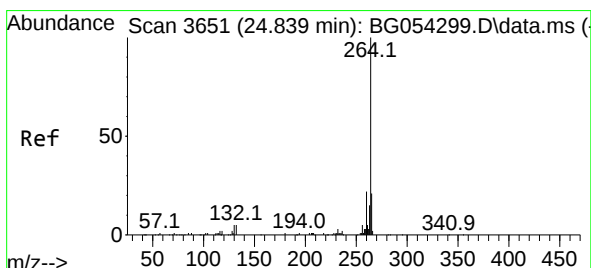
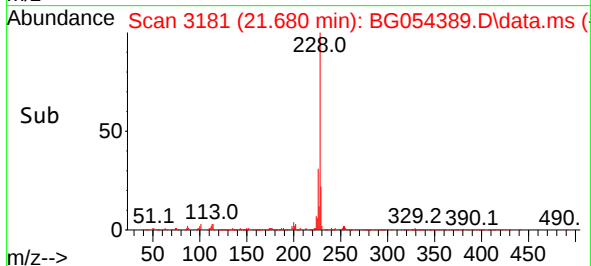
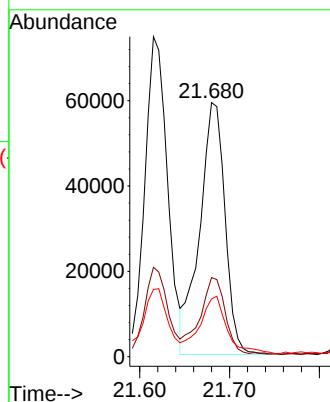
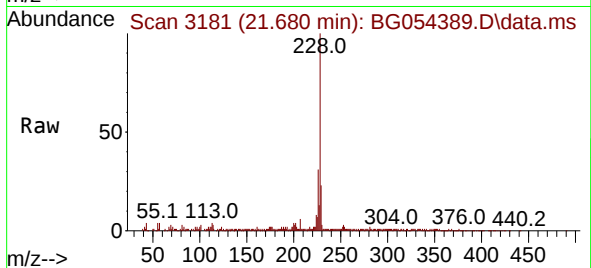
Tgt Ion:228 Resp: 116213

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.2

229 22.7 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.841 min Scan# 3719

Delta R.T. 0.002 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

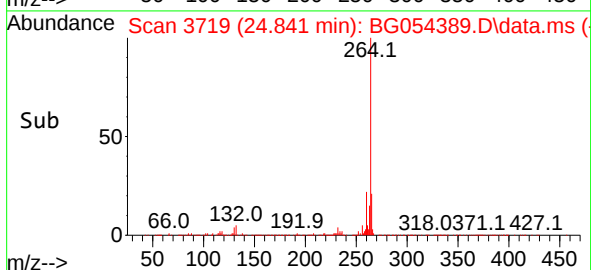
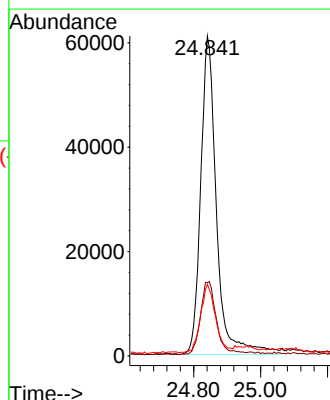
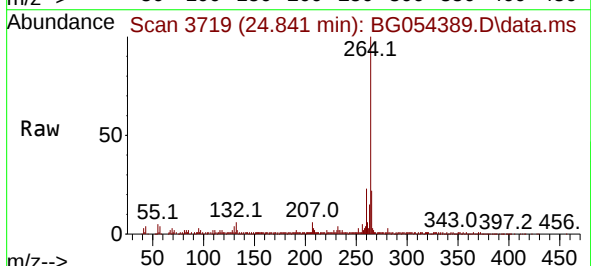
Tgt Ion:264 Resp: 199361

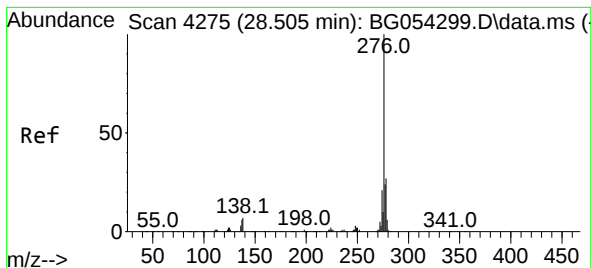
Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.175 ng

RT: 28.519 min Scan# 41

Delta R.T. 0.014 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

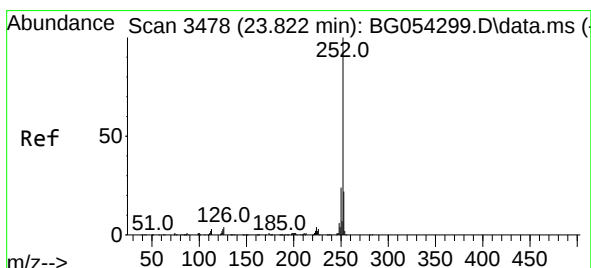
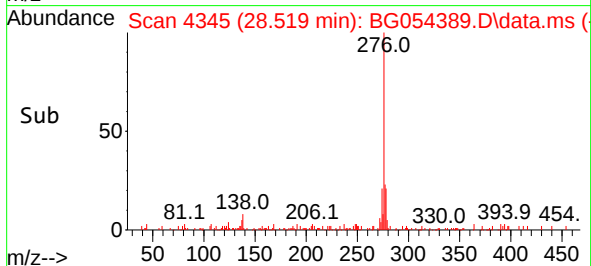
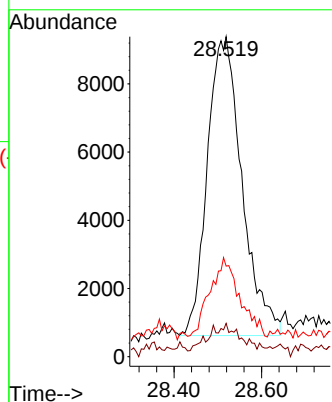
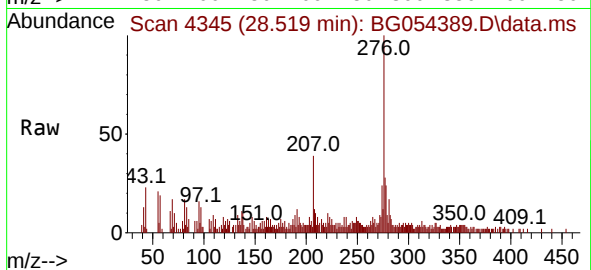
Tgt Ion:276 Resp: 48146

Ion Ratio Lower Upper

276 100

138 2.7 5.0 7.4#

277 22.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.567 ng

RT: 23.830 min Scan# 3547

Delta R.T. 0.008 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

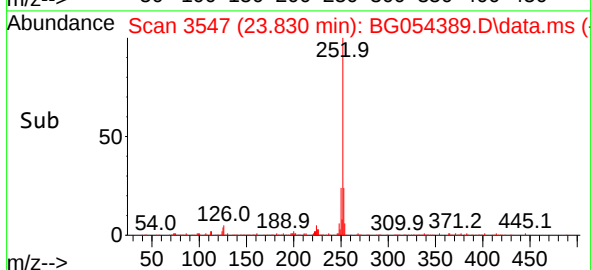
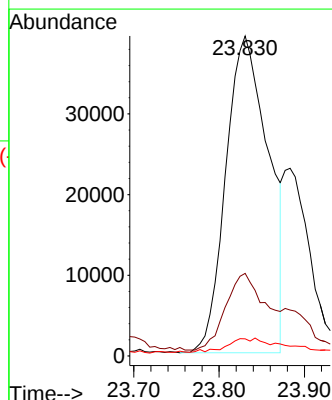
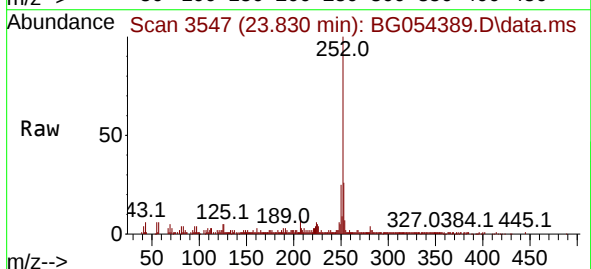
Tgt Ion:252 Resp: 136372

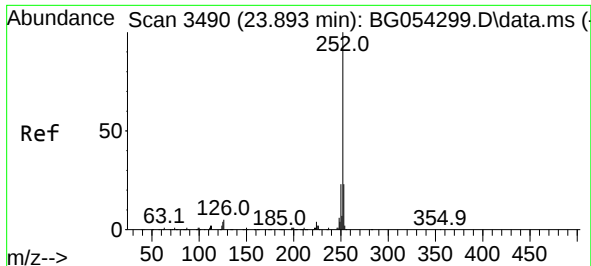
Ion Ratio Lower Upper

252 100

253 25.8 18.0 27.0

125 5.3 4.6 6.8

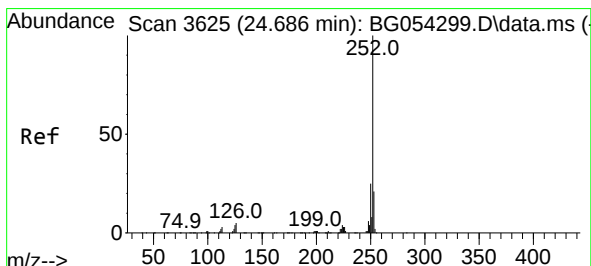
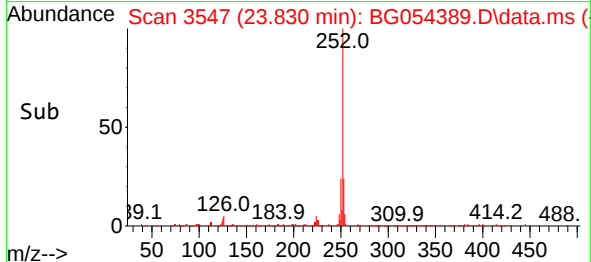
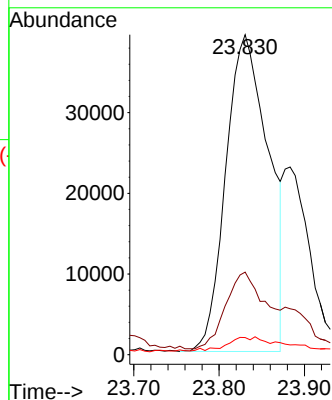
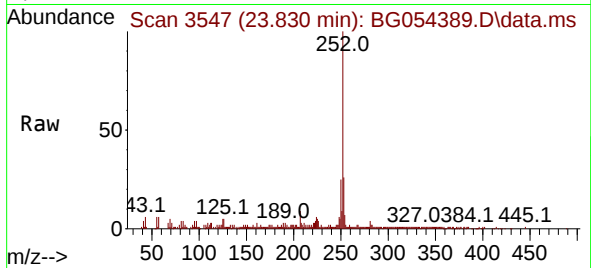




#89
Benzo(k)fluoranthene
Concen: 11.622 ng
RT: 23.830 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

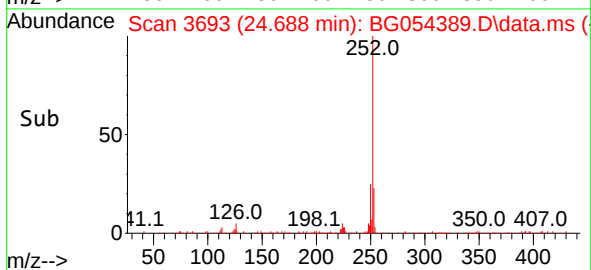
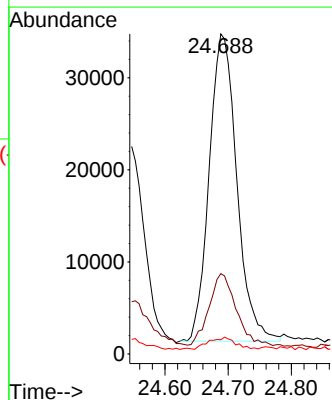
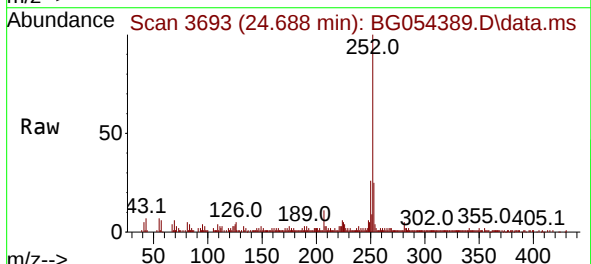
Instrument :
BNA_G
ClientSampleId :
SB-A

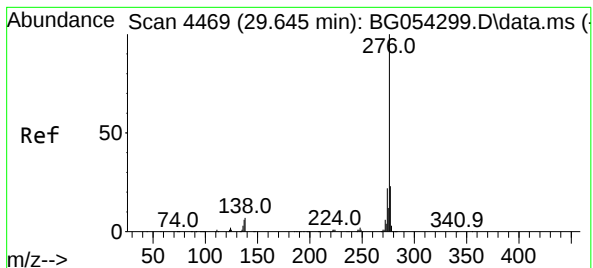
Tgt Ion:252 Resp: 136372
Ion Ratio Lower Upper
252 100
253 25.8 18.4 27.6
125 5.3 4.8 7.2



#90
Benzo(a)pyrene
Concen: 10.060 ng
RT: 24.688 min Scan# 3693
Delta R.T. 0.002 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Tgt Ion:252 Resp: 101287
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 4.5 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 3.974 ng

RT: 29.659 min Scan# 4

Delta R.T. 0.014 min

Lab File: BG054389.D

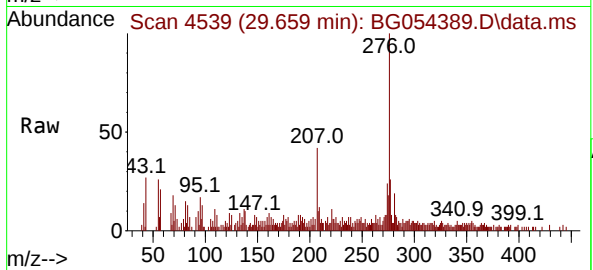
Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A



Tgt Ion:276 Resp: 48910

Ion Ratio Lower Upper

276 100

277 25.8 17.3 25.9

138 10.1 9.6 14.4

