

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054439.D
 Acq On : 28 Jul 2022 19:59
 Operator : CG/JU
 Sample : N3857-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Jul 29 04:09:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

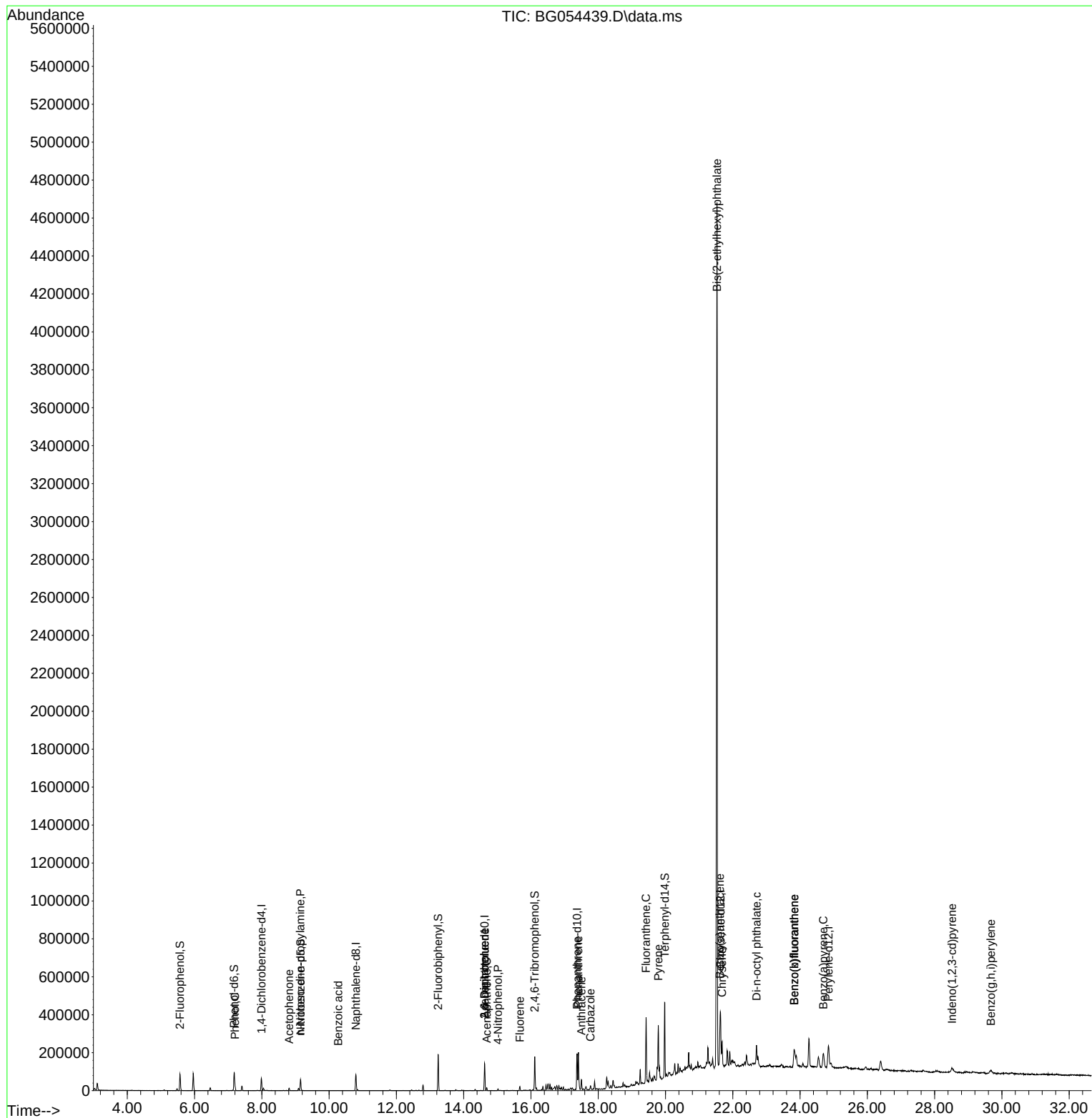
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	20695	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	78040	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	58236	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	137592	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	155010	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	153207	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	41940	42.313	ng	0.00
7) Phenol-d6	7.177	99	55396	40.787	ng	0.00
23) Nitrobenzene-d5	9.151	82	36133	25.214	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	47240	38.635	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	112082	27.150	ng	0.00
79) Terphenyl-d14	19.980	244	230794	29.537	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.130	77	1000	Below Cal	#	72
10) Phenol	7.200	94	7769	5.757	ng	85
19) n-Nitroso-di-n-propyla...	9.145	70	5130	5.656	ng	# 77
22) Acetophenone	8.810	105	8164	4.350	ng	# 98
32) Benzoic acid	10.273	122	212	8.129	ng	# 1
51) 2,6-Dinitrotoluene	14.621	165	8212	8.231	ng	# 16
52) Acenaphthene	14.686	154	6438	2.146	ng	96
56) 4-Nitrophenol	15.021	139	2402	4.315	ng	# 1
57) 2,4-Dinitrotoluene	14.621	165	8212	5.741	ng	# 21
58) Fluorene	15.673	166	11247	2.563	ng	# 96
71) Phenanthrene	17.412	178	135898	19.833	ng	97
72) Anthracene	17.500	178	38705	5.756	ng	98
73) Carbazole	17.770	167	14136	2.554	ng	# 95
75) Fluoranthene	19.421	202	239857	25.679	ng	96
78) Pyrene	19.786	202	206389	23.205	ng	98
81) Benzo(a)anthracene	21.619	228	132600	13.476	ng	98
83) Chrysene	21.683	228	108820	11.706	ng	95
84) Bis(2-ethylhexyl)phtha...	21.531	149	2219533	565.910	ng	# 81
85) Di-n-octyl phthalate	22.706	149	103804	15.514	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.517	276	50472	4.330	ng	96
88) Benzo(b)fluoranthene	23.828	252	143087	15.792	ng	98
89) Benzo(k)fluoranthene	23.828	252	143087	15.868	ng	# 98
90) Benzo(a)pyrene	24.692	252	100127	12.940	ng	96
92) Benzo(g,h,i)perylene	29.674	276	43039	4.550	ng	# 90

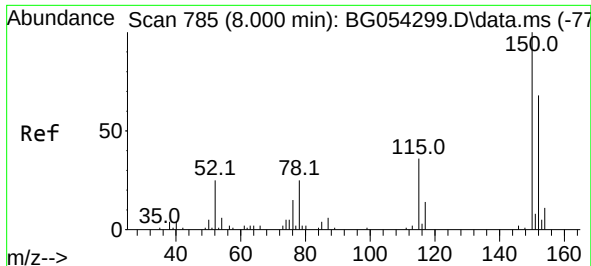
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
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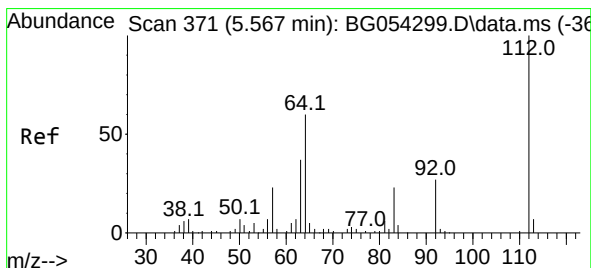
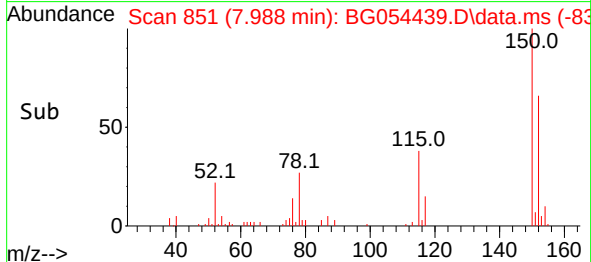
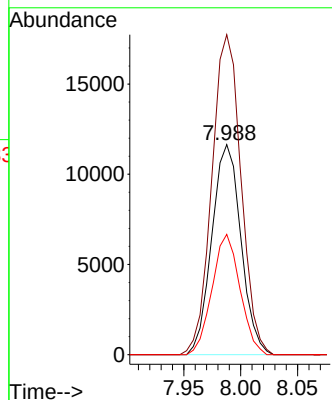
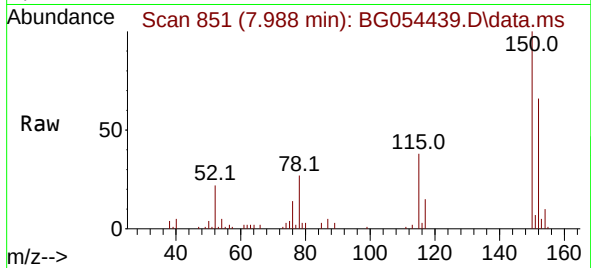




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.988 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

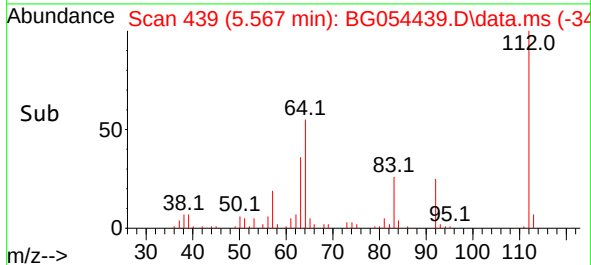
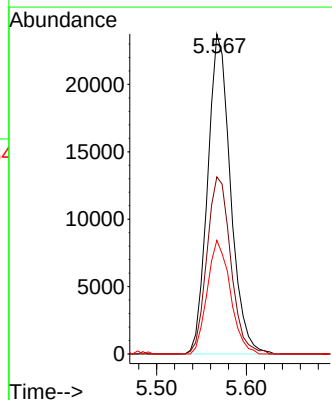
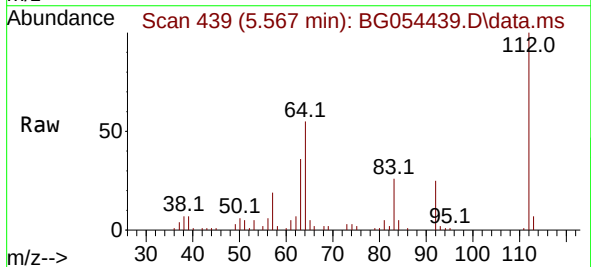
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

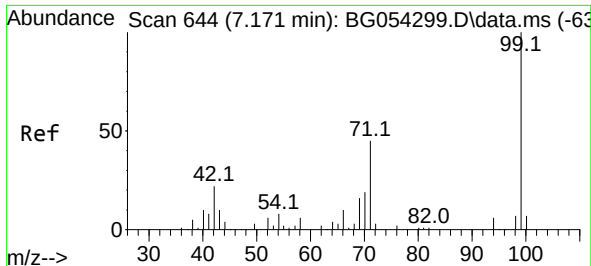
Tgt Ion:152 Resp: 20695
 Ion Ratio Lower Upper
 152 100
 150 152.4 131.6 197.4
 115 57.3 50.9 76.3



#5
 2-Fluorophenol
 Concen: 42.313 ng
 RT: 5.567 min Scan# 439
 Delta R.T. 0.005 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

Tgt Ion:112 Resp: 41940
 Ion Ratio Lower Upper
 112 100
 64 55.3 55.1 82.7
 63 35.5 30.4 45.6

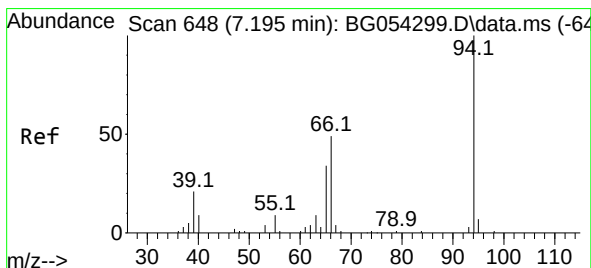
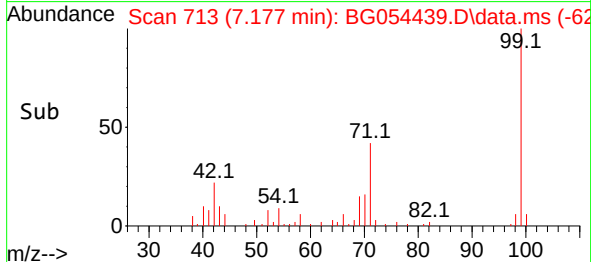
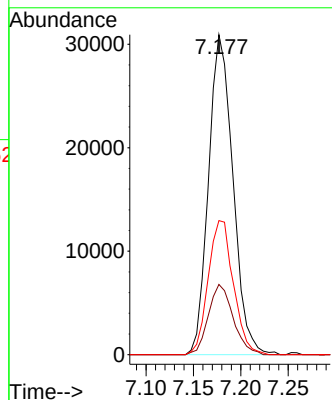
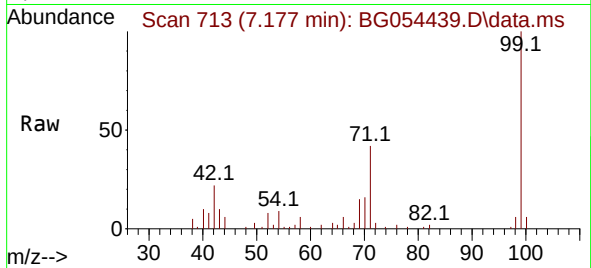




#7
Phenol-d6
Concen: 40.787 ng
RT: 7.177 min Scan# 717
Delta R.T. 0.005 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

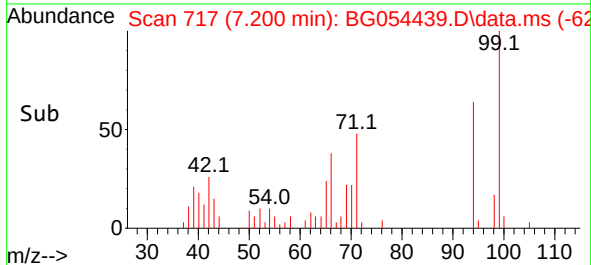
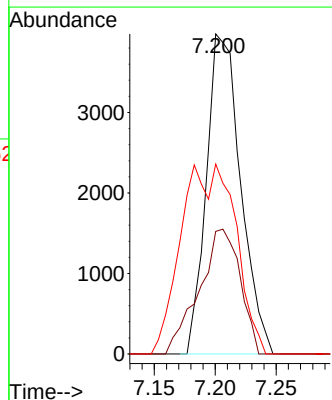
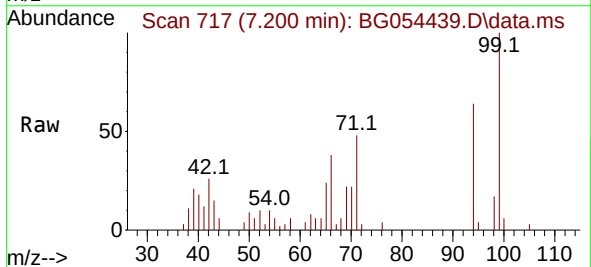
Instrument :
BNA_G
ClientSampleId :
TP-3

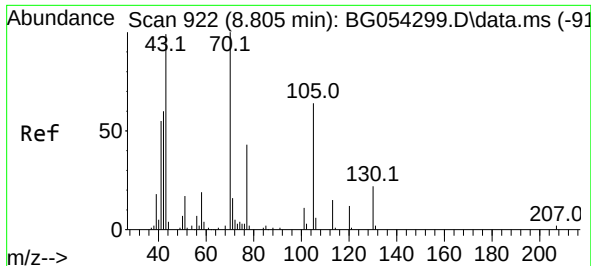
Tgt Ion: 99 Resp: 55396
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 41.9 33.8 50.8



#10
Phenol
Concen: 5.757 ng
RT: 7.200 min Scan# 717
Delta R.T. 0.005 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion: 94 Resp: 7769
Ion Ratio Lower Upper
94 100
65 38.3 14.8 54.8
66 59.4 25.2 65.2

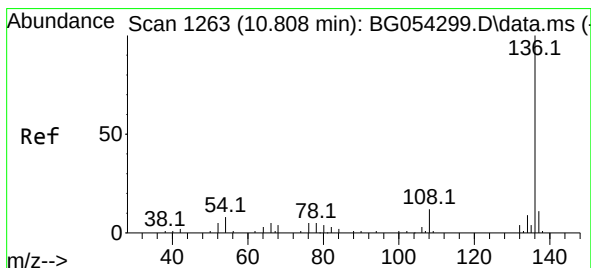
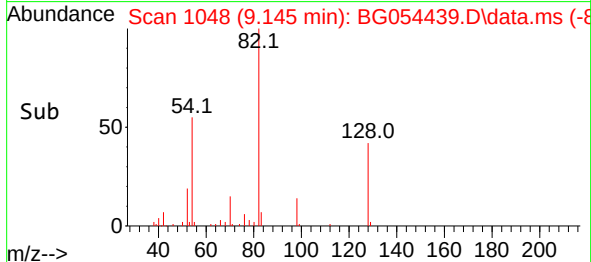
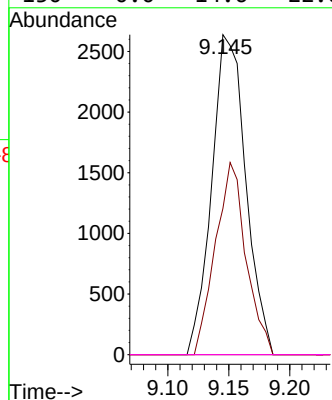
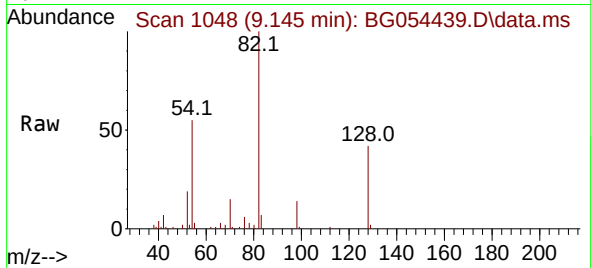




#19
n-Nitroso-di-n-propylamine
Concen: 5.656 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

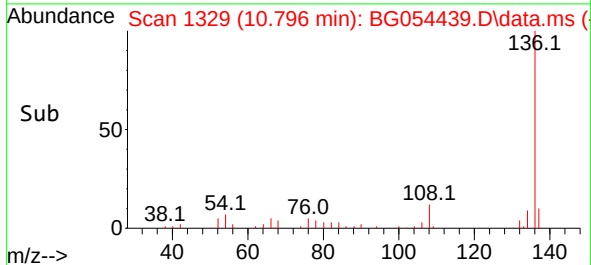
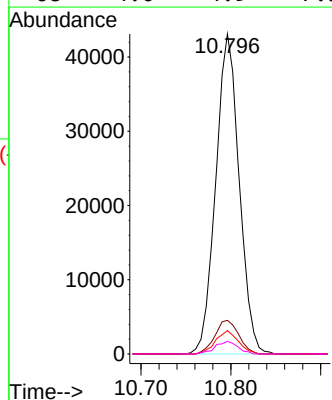
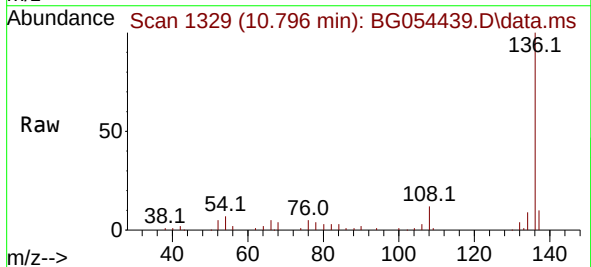
Instrument :
BNA_G
ClientSampleId :
TP-3

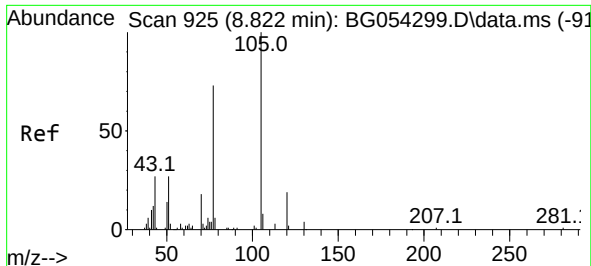
Tgt Ion:	70	Resp:	5130
Ion	Ratio	Lower	Upper
70	100		
42	45.7	47.3	70.9#
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:	136	Resp:	78040
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	7.3	7.4	11.2#
68	4.0	4.9	7.3#

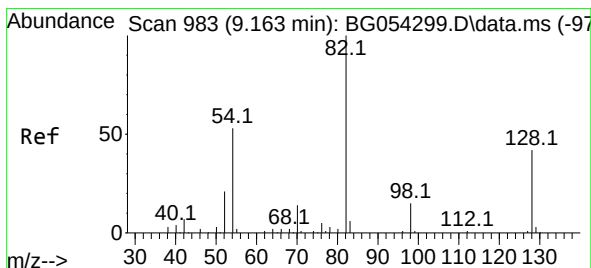
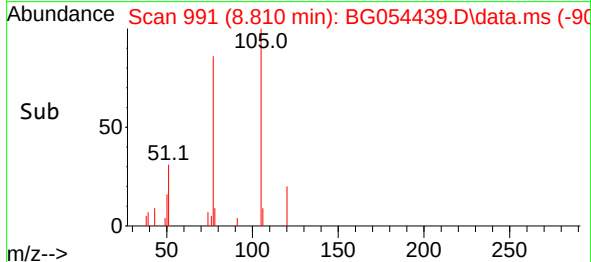
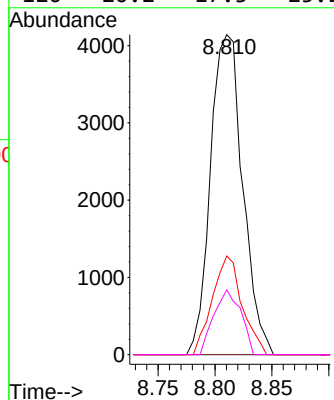
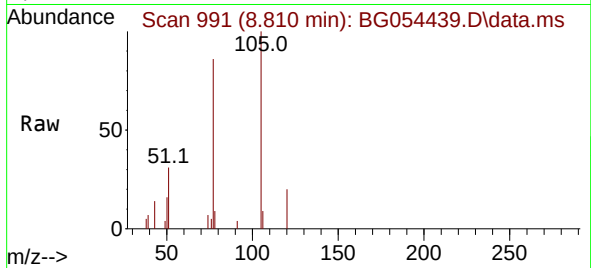




#22
Acetophenone
Concen: 4.350 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

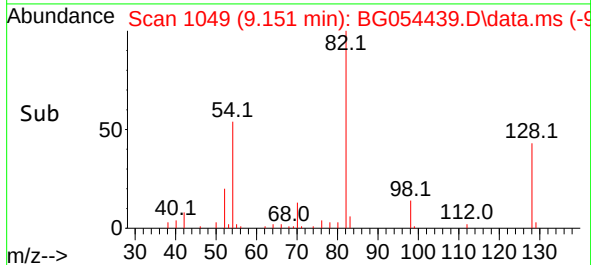
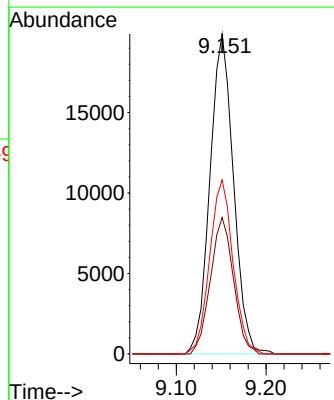
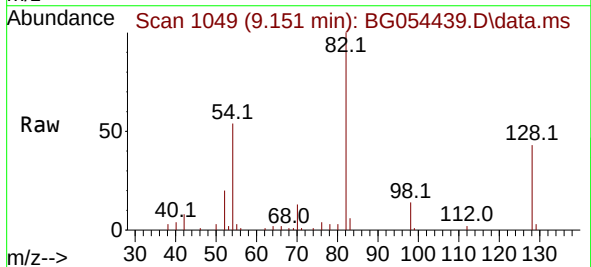
Instrument :
BNA_G
ClientSampleId :
TP-3

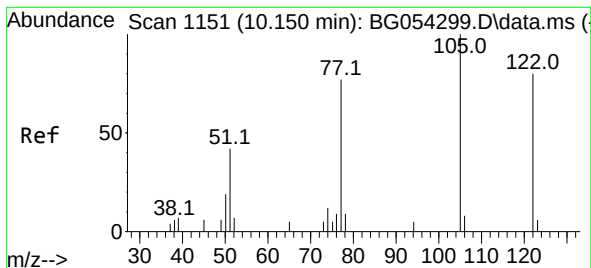
Tgt Ion:	105	Resp:	8164
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.1	1.7#
51	30.9	25.4	38.0
120	20.2	17.3	25.9



#23
Nitrobenzene-d5
Concen: 25.214 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:	82	Resp:	36133
Ion	Ratio	Lower	Upper
82	100		
128	42.7	27.9	41.9#
54	54.4	41.2	61.8





#32

Benzoic acid

Concen: 8.129 ng

RT: 10.273 min Scan# 11

Delta R.T. 0.134 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

Instrument :

BNA_G

ClientSampleId :

TP-3

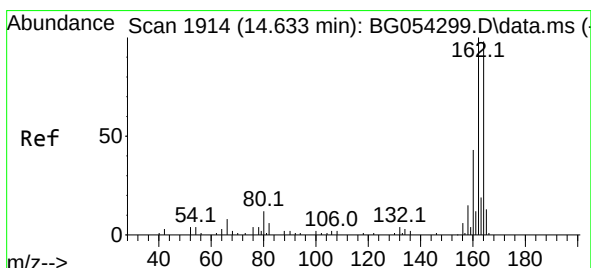
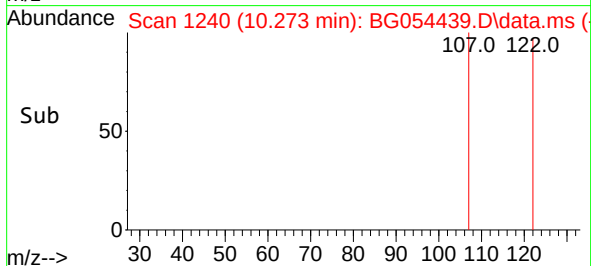
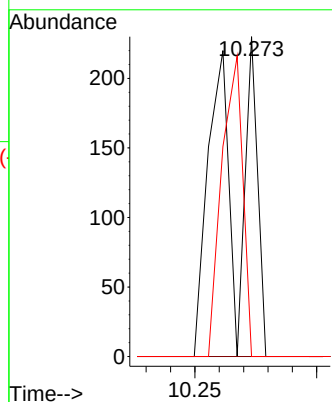
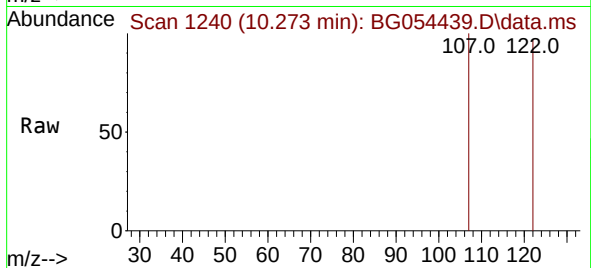
Tgt Ion:122 Resp: 212

Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.621 min Scan# 1980

Delta R.T. -0.001 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

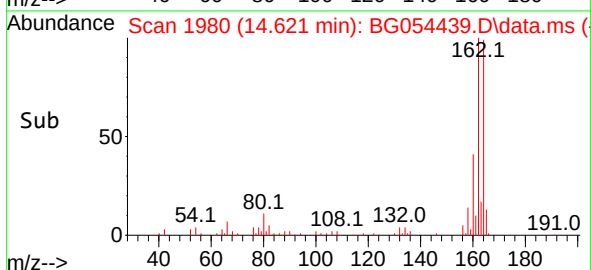
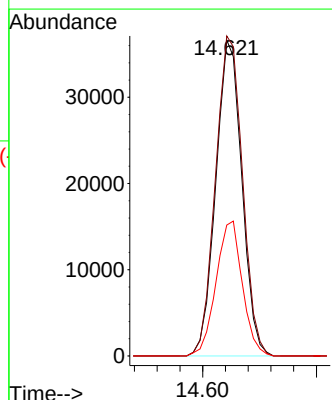
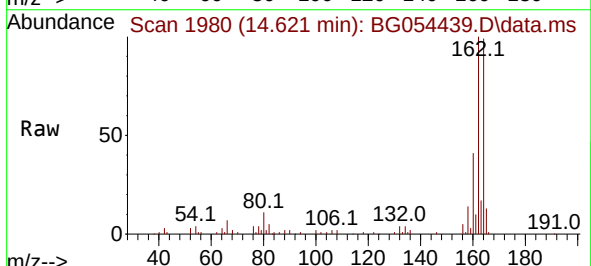
Tgt Ion:164 Resp: 58236

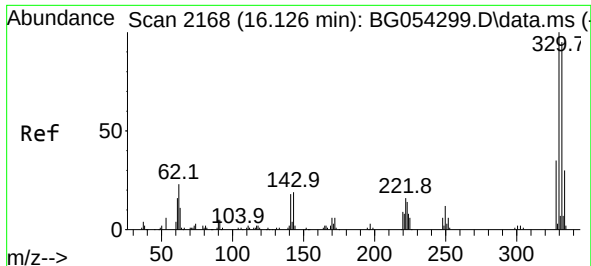
Ion Ratio Lower Upper

164 100

162 101.3 82.3 123.5

160 41.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 38.635 ng

RT: 16.113 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

Instrument :

BNA_G

ClientSampleId :

TP-3

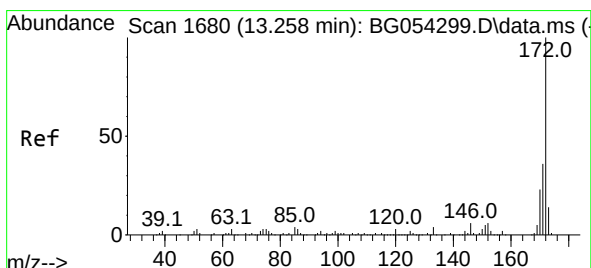
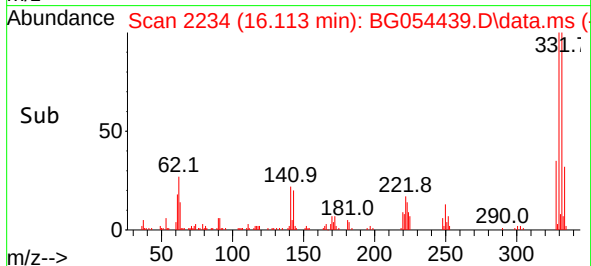
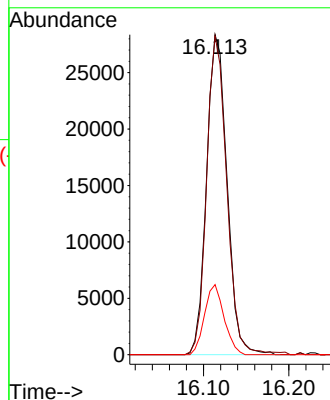
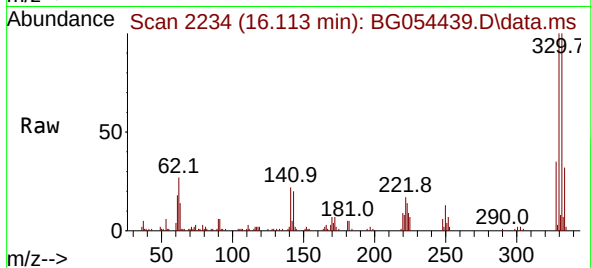
Tgt Ion:330 Resp: 47240

Ion Ratio Lower Upper

330 100

332 97.9 76.0 114.0

141 20.9 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 27.150 ng

RT: 13.246 min Scan# 1746

Delta R.T. -0.001 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

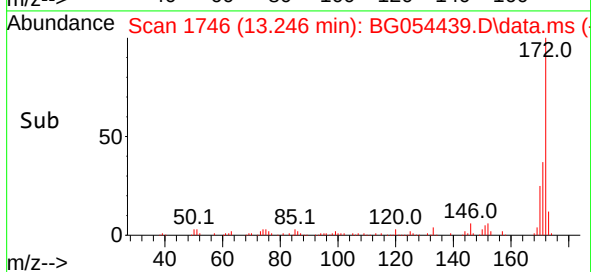
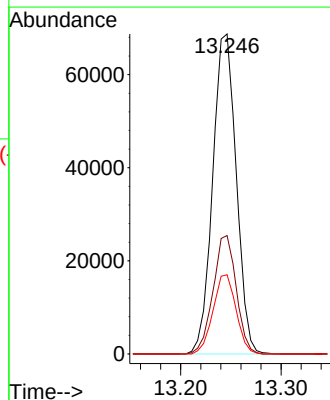
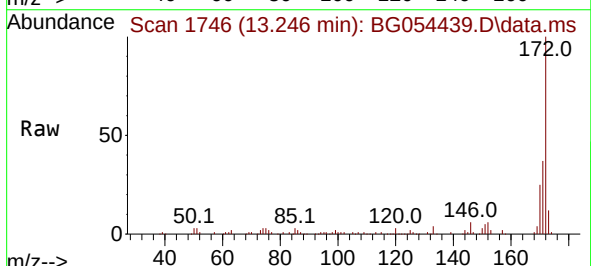
Tgt Ion:172 Resp: 112082

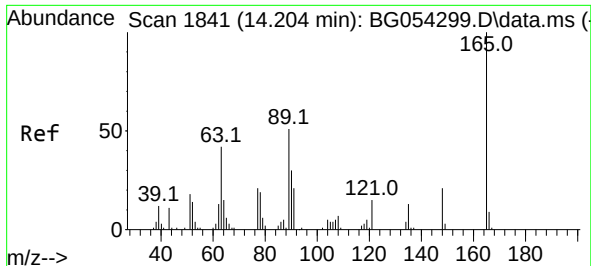
Ion Ratio Lower Upper

172 100

171 37.0 28.5 42.7

170 24.8 18.9 28.3

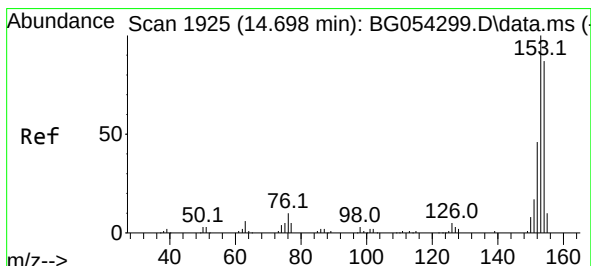
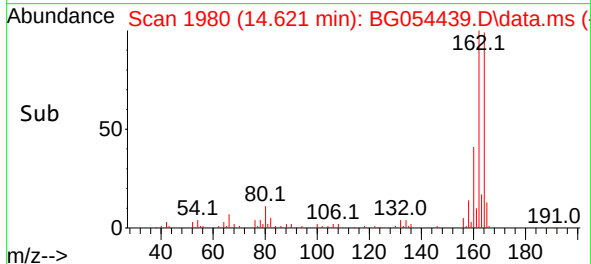
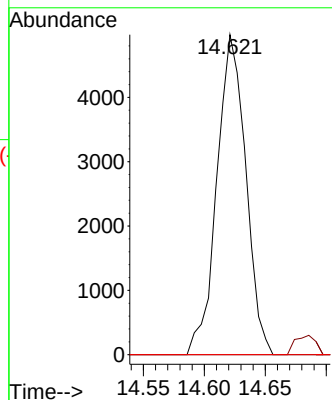
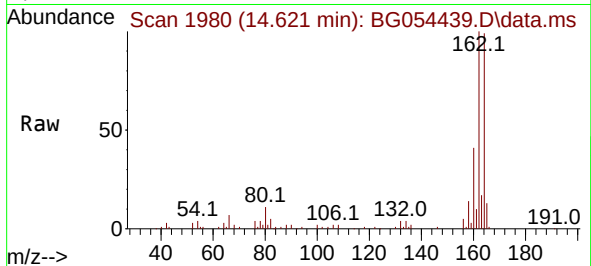




#51
2,6-Dinitrotoluene
Concen: 8.231 ng
RT: 14.621 min Scan# 1990
Delta R.T. 0.422 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

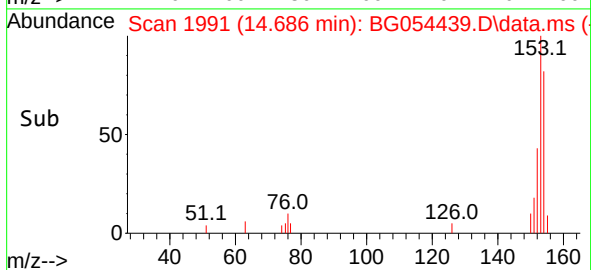
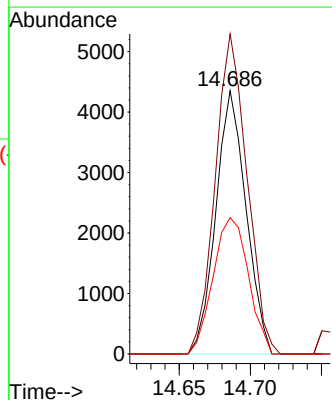
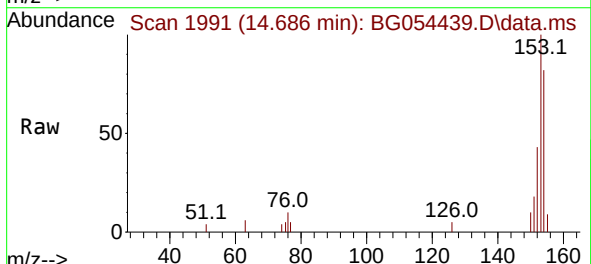
Instrument :
BNA_G
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TP-3

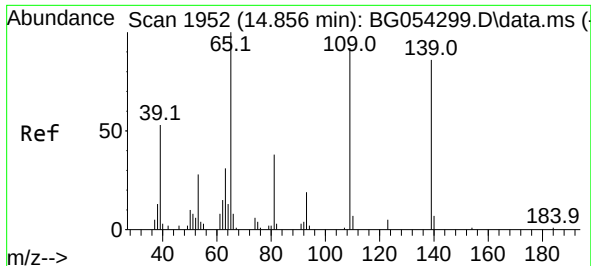
Tgt Ion:165 Resp: 8212
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#52
Acenaphthene
Concen: 2.146 ng
RT: 14.686 min Scan# 1991
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:154 Resp: 6438
Ion Ratio Lower Upper
154 100
153 121.6 92.7 139.1
152 51.8 42.6 64.0

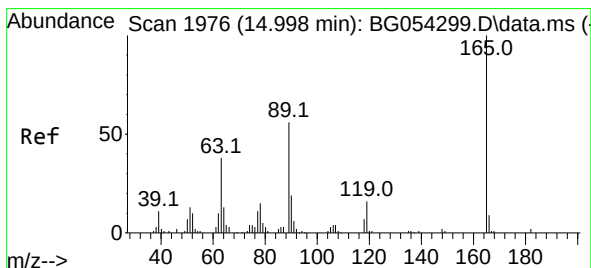
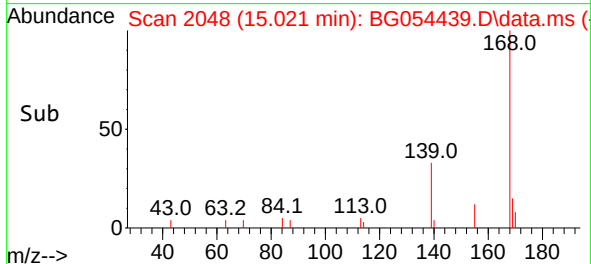
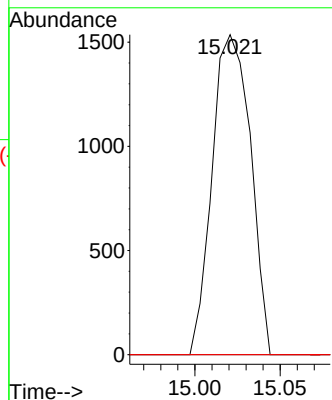
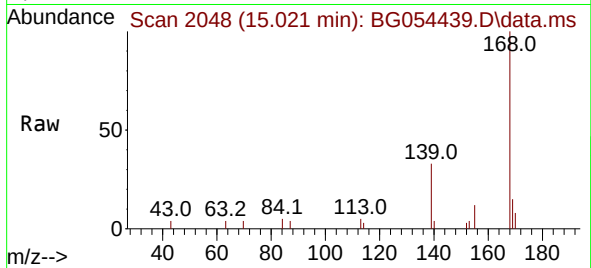




#56
4-Nitrophenol
Concen: 4.315 ng
RT: 15.021 min Scan# 2048
Delta R.T. 0.140 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

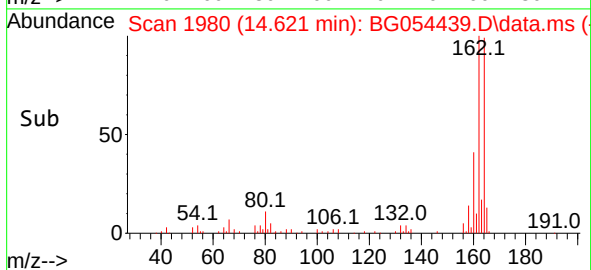
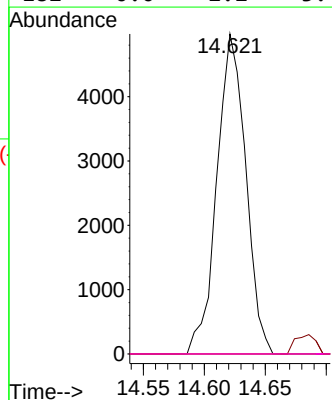
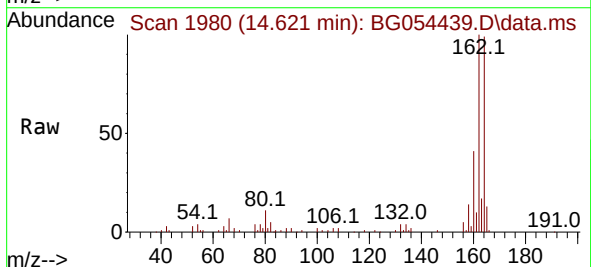
Instrument :
BNA_G
ClientSampleId :
TP-3

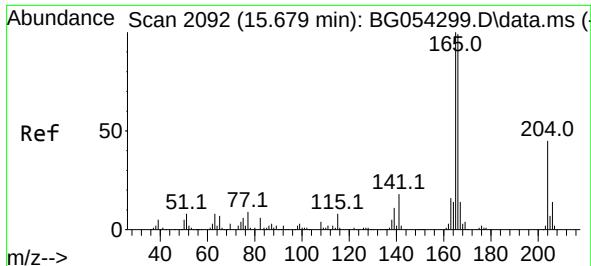
Tgt Ion:139 Resp: 2402
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.741 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.371 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:165 Resp: 8212
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#

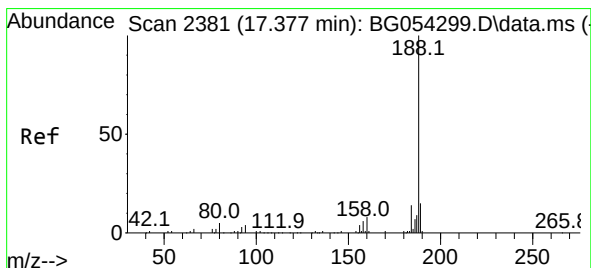
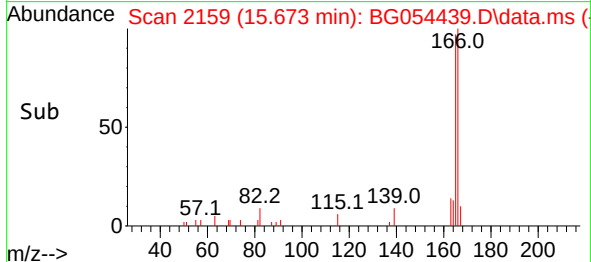
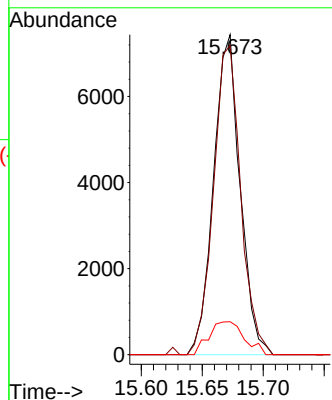
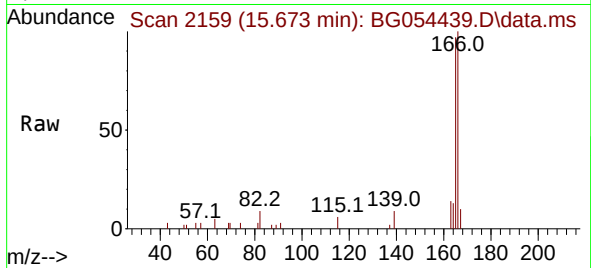




#58
Fluorene
Concen: 2.563 ng
RT: 15.673 min Scan# 2159
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

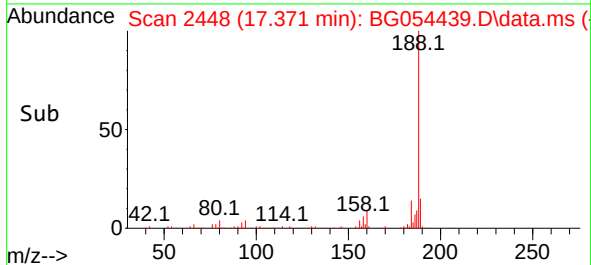
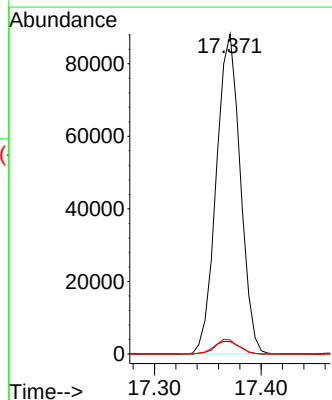
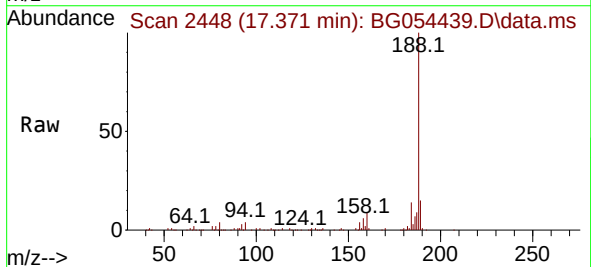
Instrument :
BNA_G
ClientSampleId :
TP-3

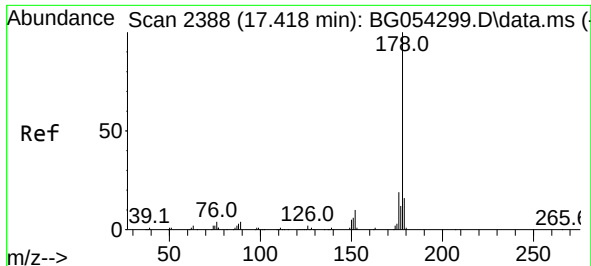
Tgt Ion:166 Resp: 11247
Ion Ratio Lower Upper
166 100
165 96.7 75.0 112.6
167 10.3 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:188 Resp: 137592
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.4 6.8 10.2#

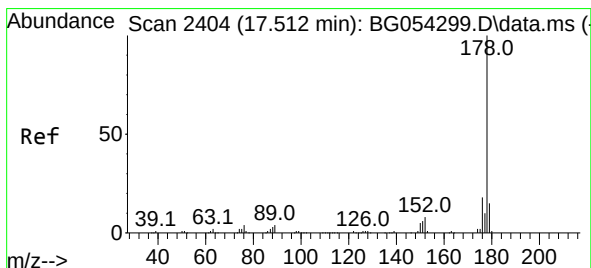
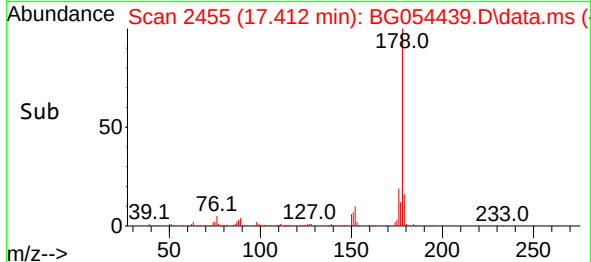
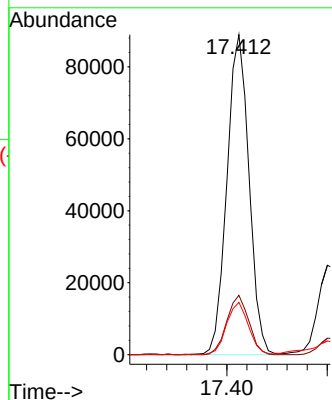
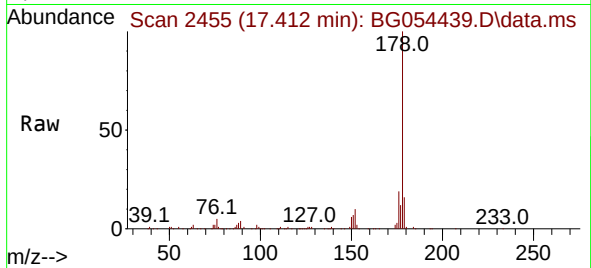




#71
Phenanthrene
Concen: 19.833 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

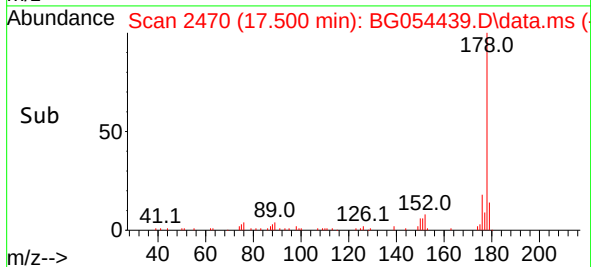
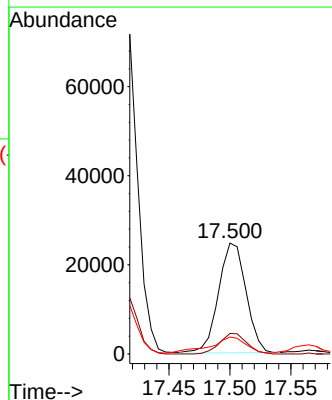
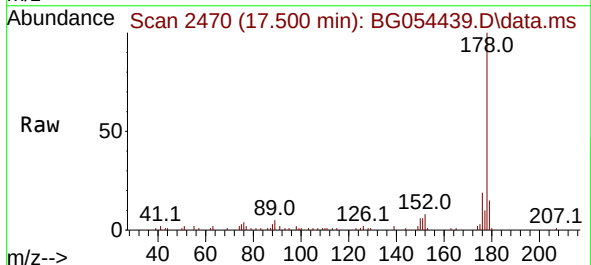
Instrument :
BNA_G
ClientSampleId :
TP-3

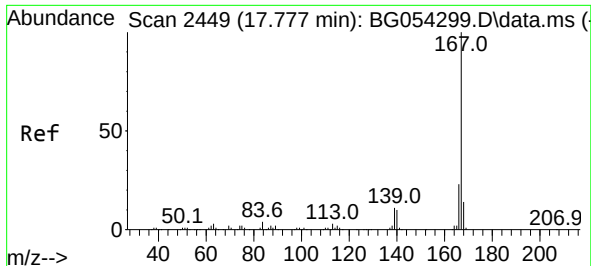
Tgt Ion:178 Resp: 135898
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 16.3 12.1 18.1



#72
Anthracene
Concen: 5.756 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:178 Resp: 38705
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.3 13.0 19.4

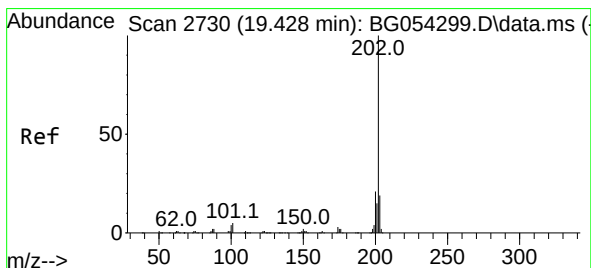
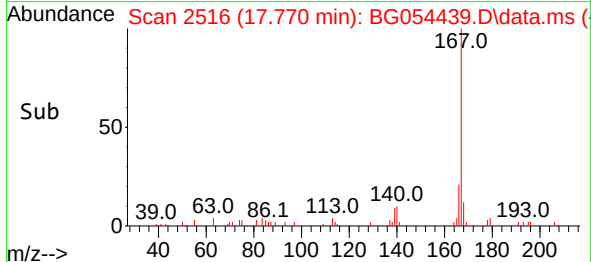
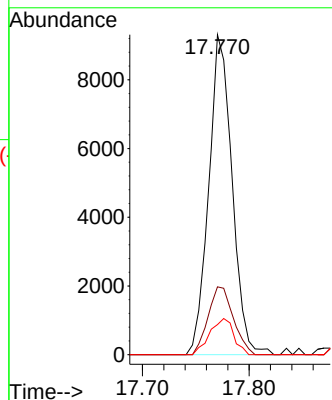
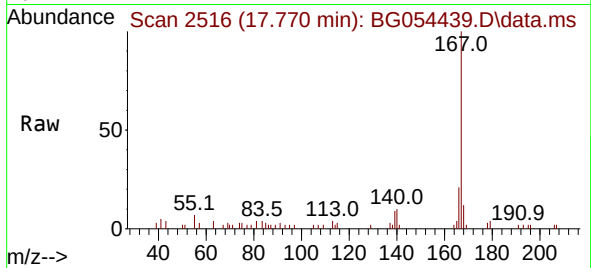




#73
 Carbazole
 Concen: 2.554 ng
 RT: 17.770 min Scan# 2449
 Delta R.T. -0.001 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

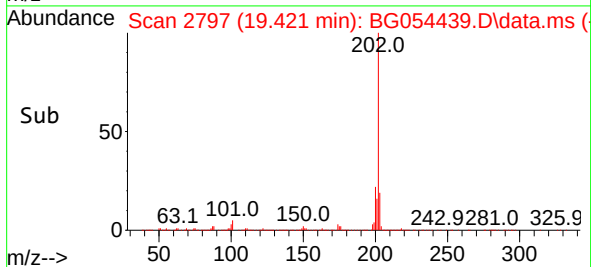
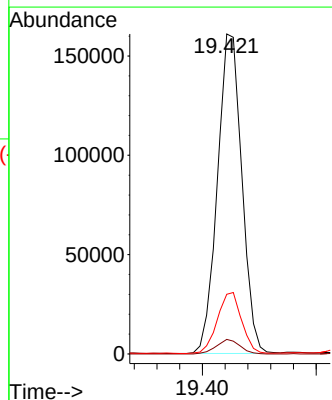
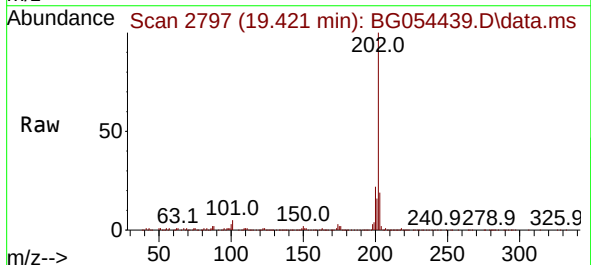
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

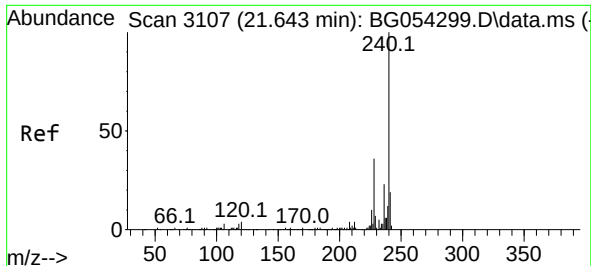
Tgt Ion:167 Resp: 14136
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.2 27.2
 139 9.4 10.1 15.1#



#75
 Fluoranthene
 Concen: 25.679 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

Tgt Ion:202 Resp: 239857
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 18.6 0.0 37.2

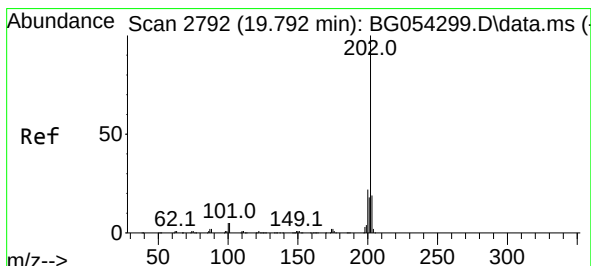
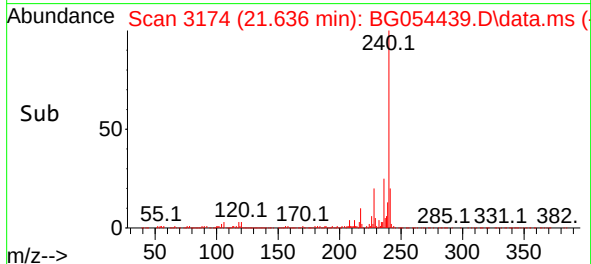
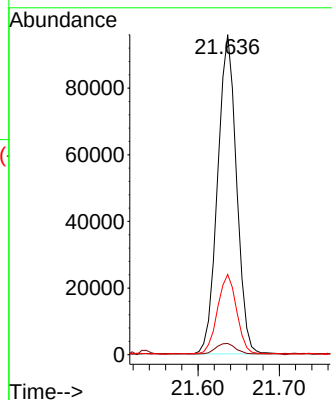
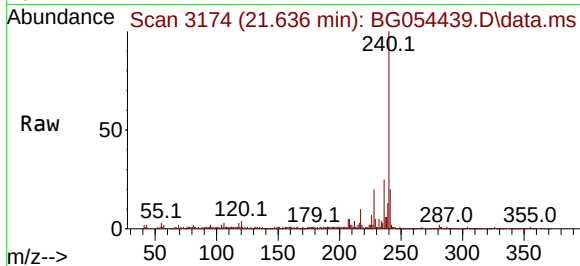




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

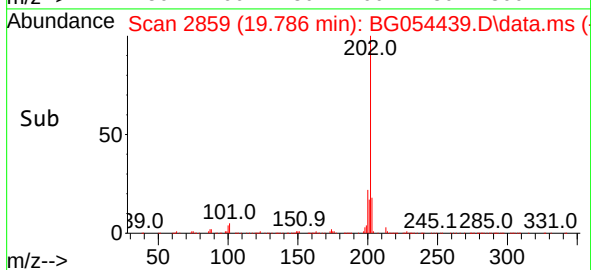
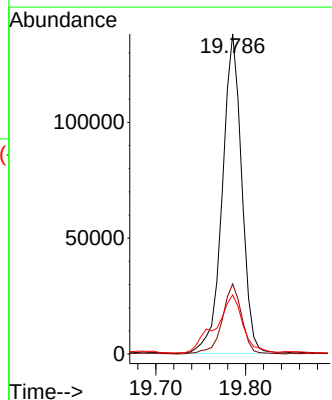
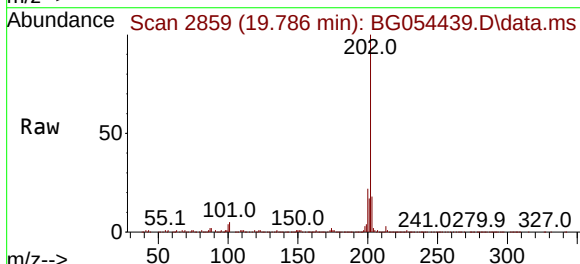
Instrument :
BNA_G
ClientSampleId :
TP-3

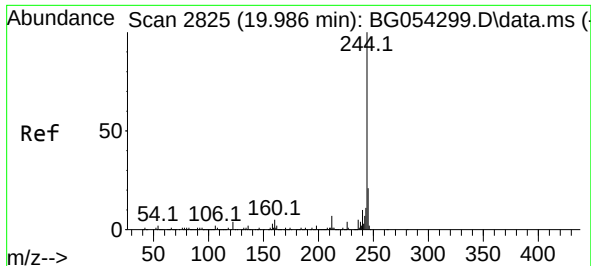
Tgt Ion:240 Resp: 155010
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.0 20.2 30.4



#78
Pyrene
Concen: 23.205 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:202 Resp: 206389
Ion Ratio Lower Upper
202 100
200 21.9 16.6 24.8
203 18.4 14.6 21.8

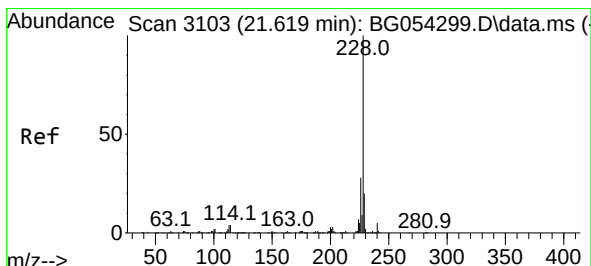
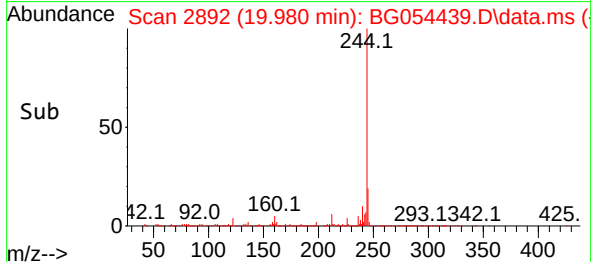
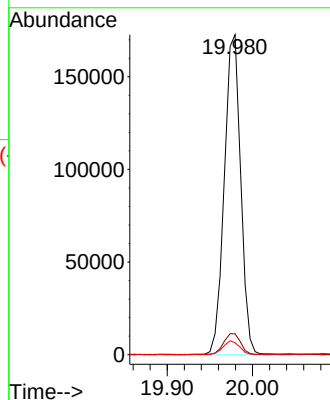
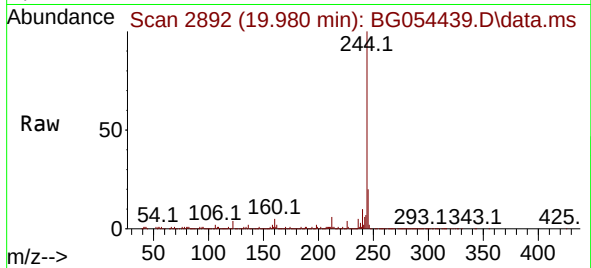




#79
 Terphenyl-d14
 Concen: 29.537 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

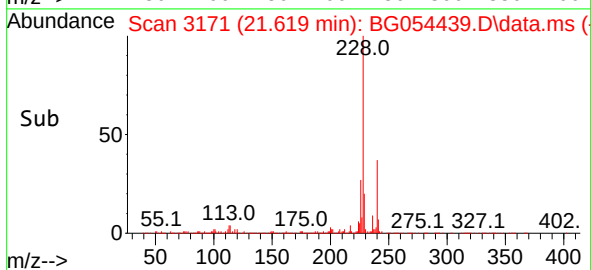
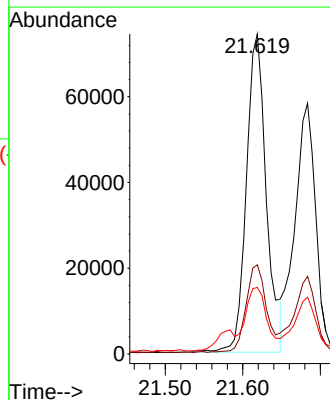
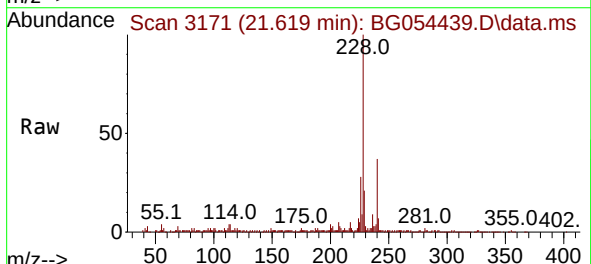
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

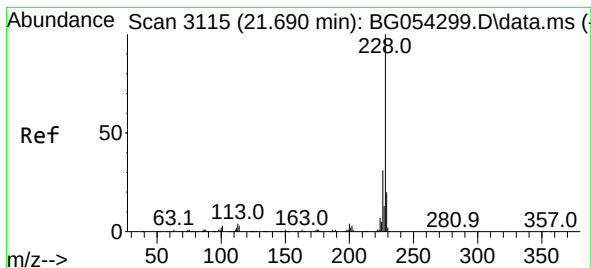
Tgt Ion:244 Resp: 230794
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7
 122 3.7 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 13.476 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

Tgt Ion:228 Resp: 132600
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 20.8 16.2 24.2





#83

Chrysene

Concen: 11.706 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

Instrument :

BNA_G

ClientSampleId :

TP-3

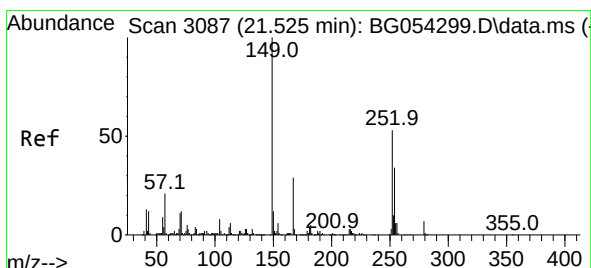
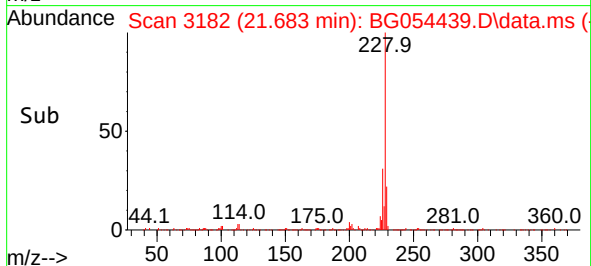
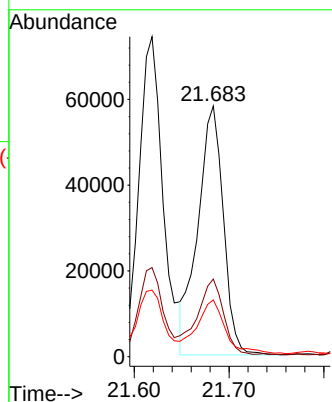
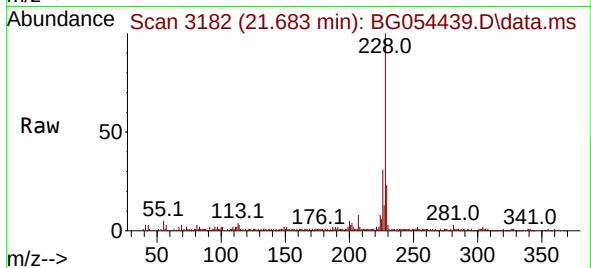
Tgt Ion:228 Resp: 108820

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

229 22.6 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 565.910 ng

RT: 21.531 min Scan# 3156

Delta R.T. 0.017 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

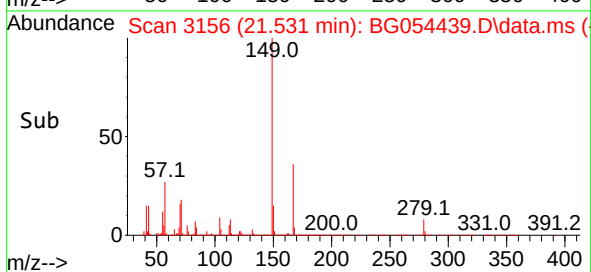
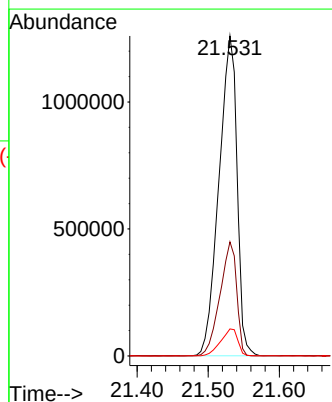
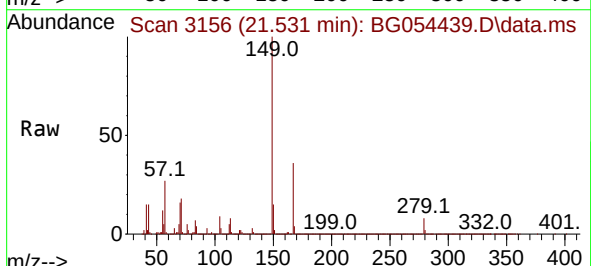
Tgt Ion:149 Resp: 2219533

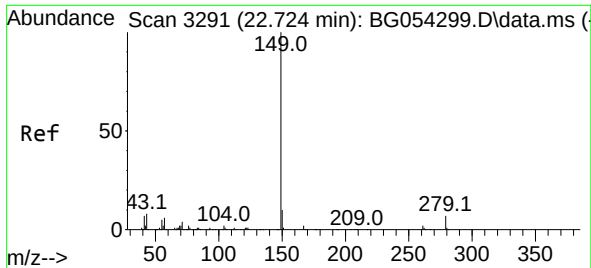
Ion Ratio Lower Upper

149 100

167 35.6 20.2 30.4#

279 8.5 3.6 5.4#

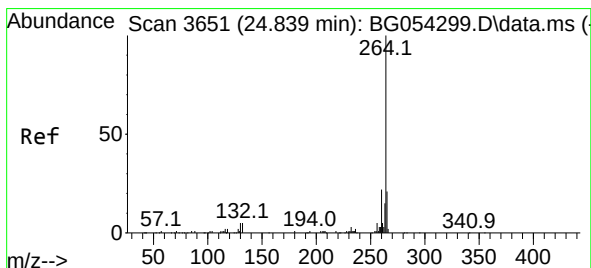
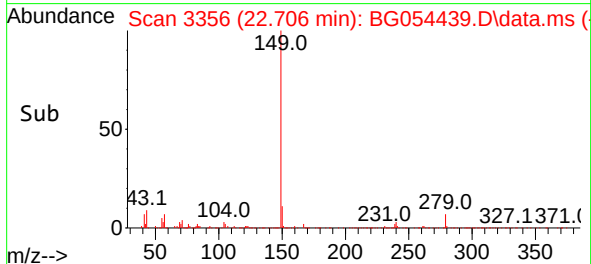
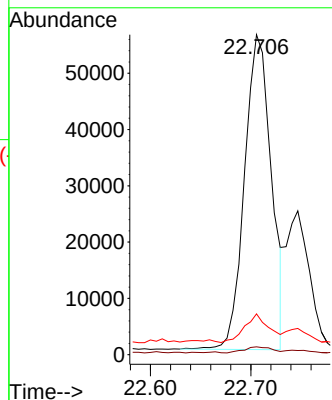
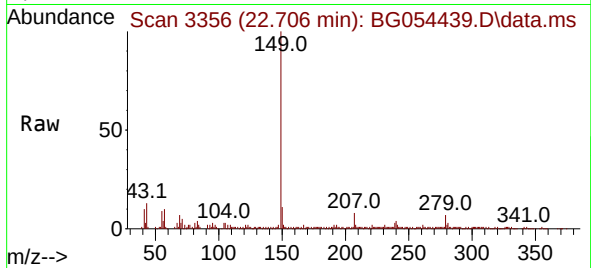




#85
Di-n-octyl phthalate
Concen: 15.514 ng
RT: 22.706 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

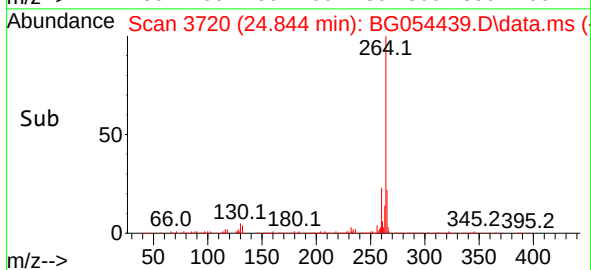
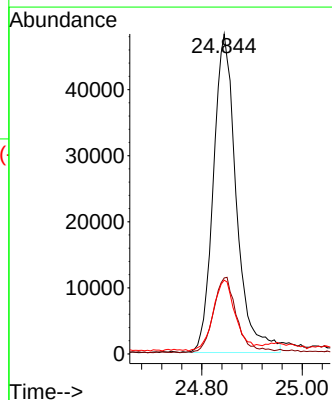
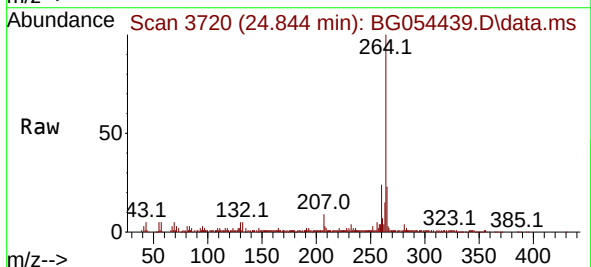
Instrument :
BNA_G
ClientSampleId :
TP-3

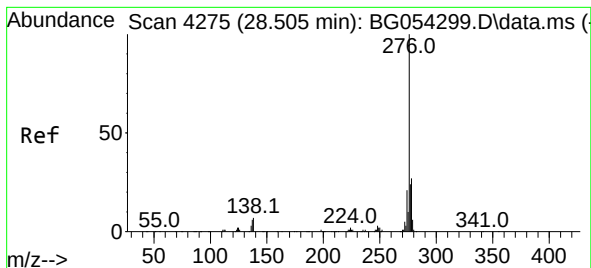
Tgt Ion:149 Resp: 103804
Ion Ratio Lower Upper
149 100
167 2.0 1.3 1.9#
43 8.3 9.0 13.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:264 Resp: 153207
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 23.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.330 ng

RT: 28.517 min Scan# 41

Delta R.T. -0.001 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

Instrument :

BNA_G

ClientSampleId :

TP-3

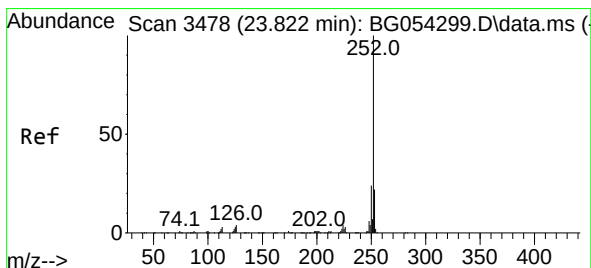
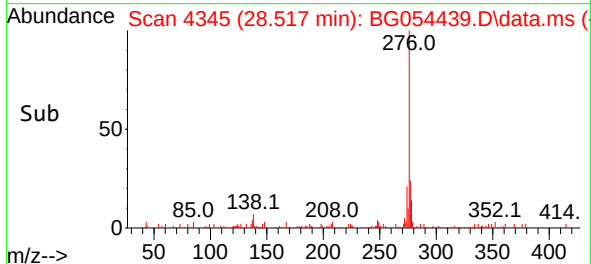
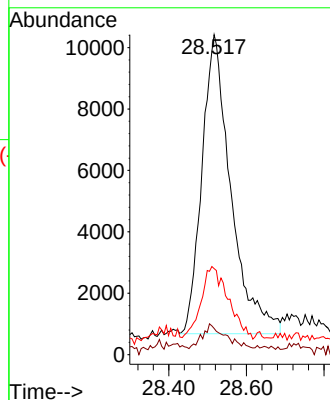
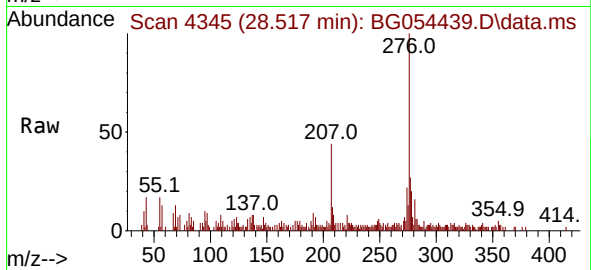
Tgt Ion:276 Resp: 50472

Ion Ratio Lower Upper

276 100

138 5.7 5.0 7.4

277 23.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.792 ng

RT: 23.828 min Scan# 3547

Delta R.T. 0.005 min

Lab File: BG054439.D

Acq: 28 Jul 2022 19:59

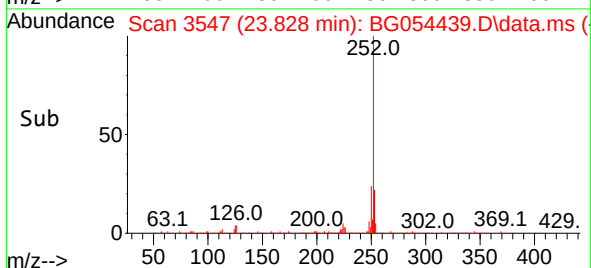
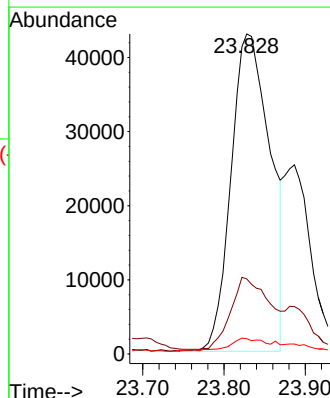
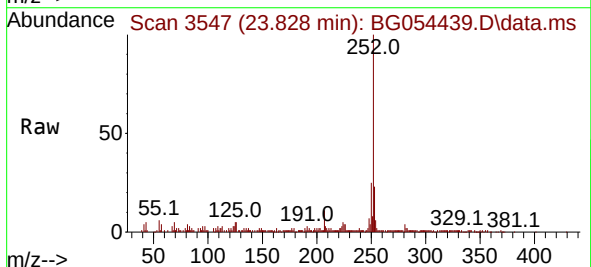
Tgt Ion:252 Resp: 143087

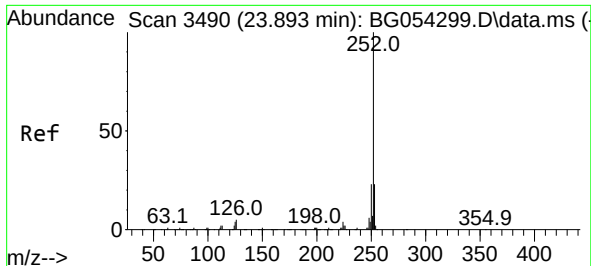
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 4.7 4.6 6.8

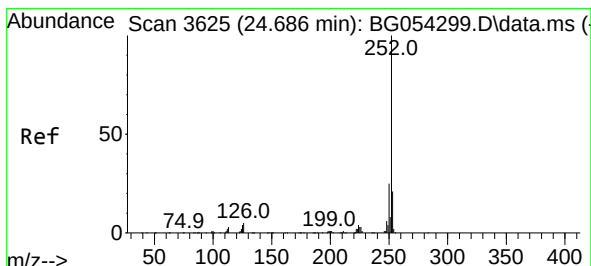
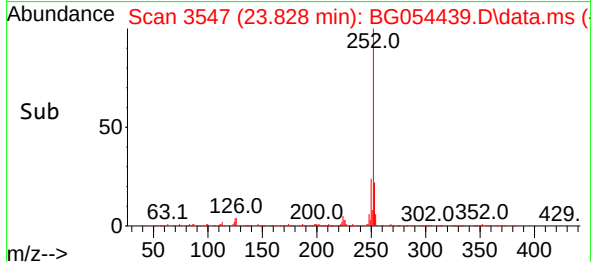
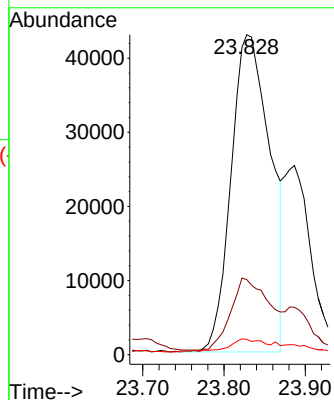
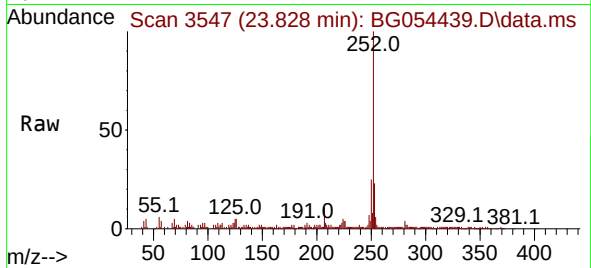




#89
Benzo(k)fluoranthene
Concen: 15.868 ng
RT: 23.828 min Scan# 31
Delta R.T. -0.059 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

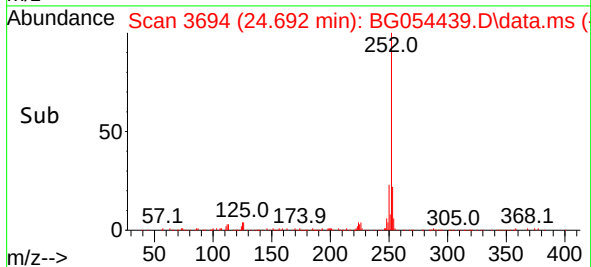
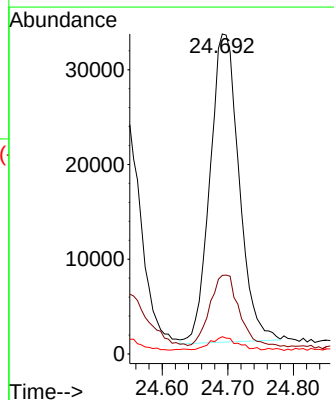
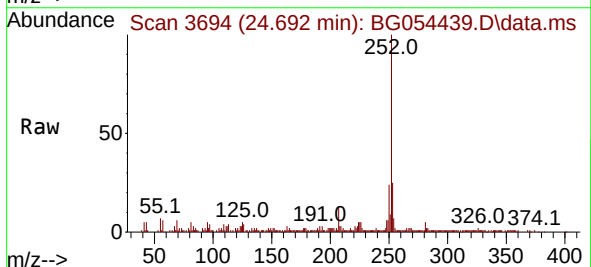
Instrument :
BNA_G
ClientSampleId :
TP-3

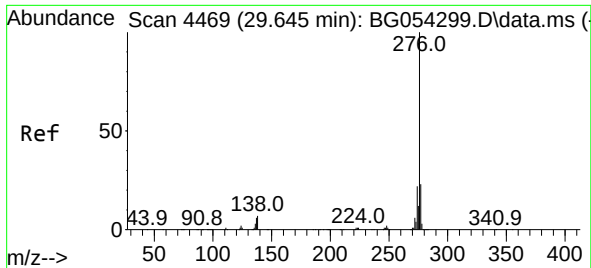
Tgt Ion:252 Resp: 143087
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 4.7 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 12.940 ng
RT: 24.692 min Scan# 3694
Delta R.T. 0.005 min
Lab File: BG054439.D
Acq: 28 Jul 2022 19:59

Tgt Ion:252 Resp: 100127
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 5.4 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.550 ng
 RT: 29.674 min Scan# 4
 Delta R.T. 0.011 min
 Lab File: BG054439.D
 Acq: 28 Jul 2022 19:59

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:276 Resp: 43039
 Ion Ratio Lower Upper
 276 100
 277 27.5 17.3 25.9#
 138 9.6 9.6 14.4

