

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054591.D
 Acq On : 10 Aug 2022 16:48
 Operator : CG/JU
 Sample : N3971-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-22R

Quant Time: Aug 10 17:56:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

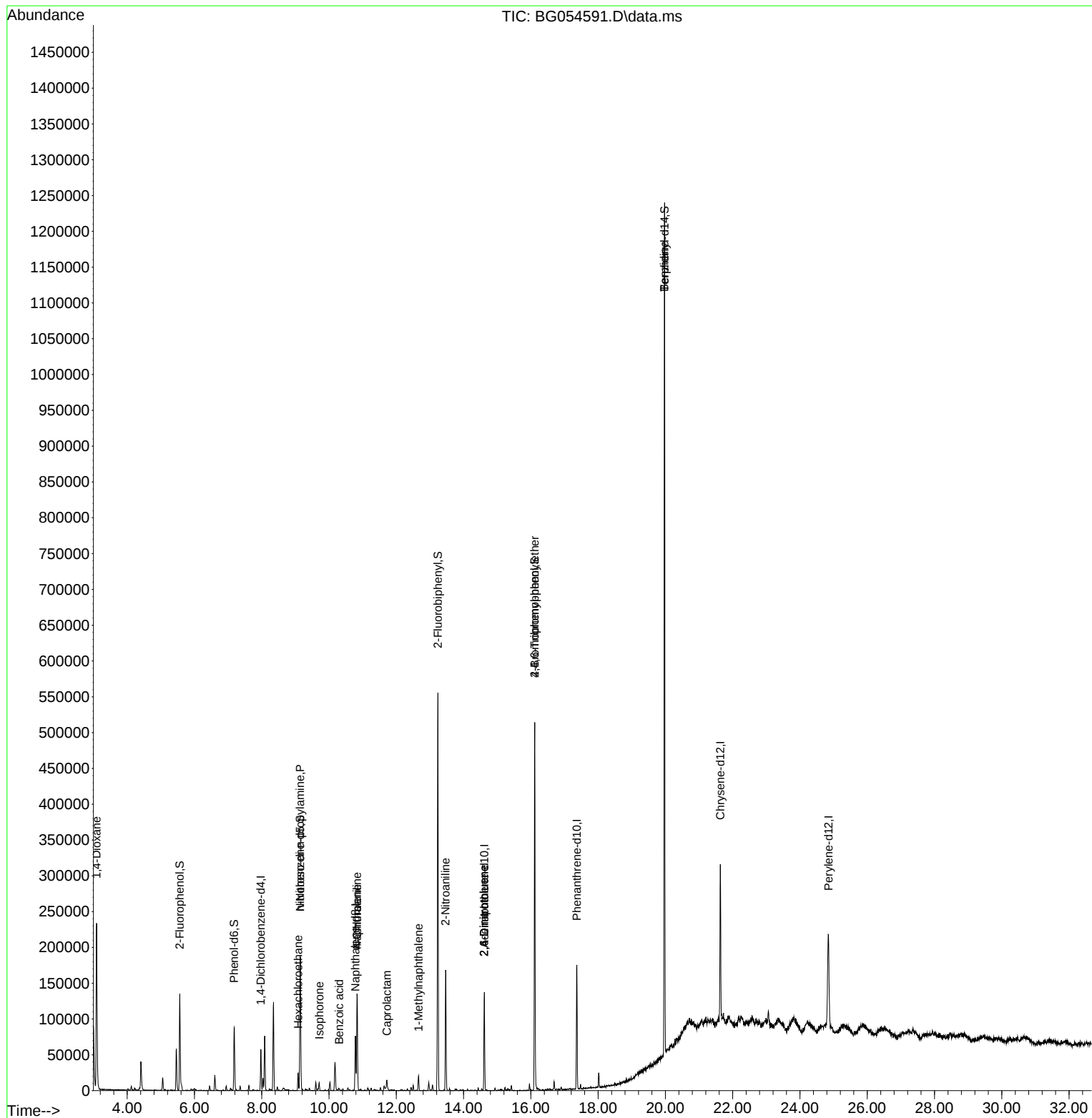
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.972	152	18809	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	68787	20.000	ng	# 0.00
39) Acenaphthene-d10	14.617	164	51915	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	128413	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	154415	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	164841	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	62159	68.999	ng	0.00
7) Phenol-d6	7.179	99	51193	41.472	ng	0.00
23) Nitrobenzene-d5	9.142	82	113600	89.934	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	136599	125.318	ng	0.00
45) 2-Fluorobiphenyl	13.237	172	316231	85.930	ng	0.00
79) Terphenyl-d14	19.976	244	699485	89.864	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.090	88	2609	7.280	ng	# 1
18) Hexachloroethane	9.083	117	3256	7.549	ng	# 1
19) n-Nitroso-di-n-propyla...	9.142	70	16169	19.615	ng	# 79
25) Isophorone	9.711	82	8099	3.687	ng	# 90
31) Naphthalene	10.834	128	115359	33.409	ng	99
32) Benzoic acid	10.305	122	445	8.765	ng	# 8
33) 4-Chloroaniline	10.834	127	15742	11.211	ng	# 35
35) Caprolactam	11.721	113	3217	9.847	ng	89
38) 1-Methylnaphthalene	12.661	142	5356	2.073	ng	# 96
48) 2-Nitroaniline	13.466	65	5833	7.520	ng	# 20
51) 2,6-Dinitrotoluene	14.612	165	6901	7.759	ng	# 16
57) 2,4-Dinitrotoluene	14.612	165	6901	5.412	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	8334	4.621	ng	# 1
77) Benzidine	19.970	184	9700	3.469	ng	94

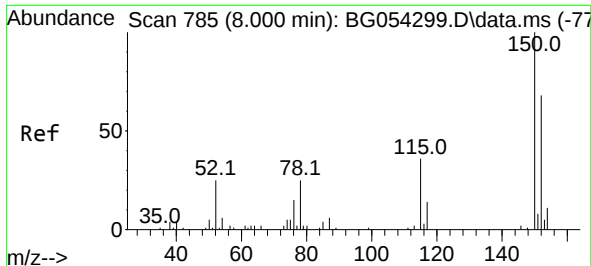
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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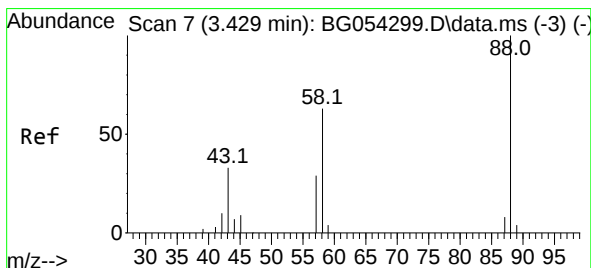
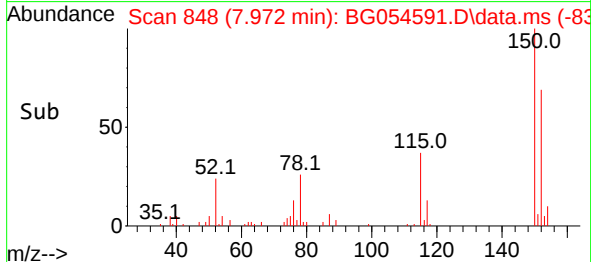
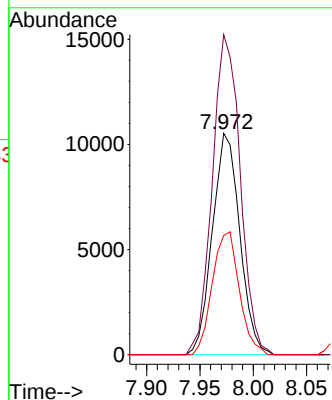
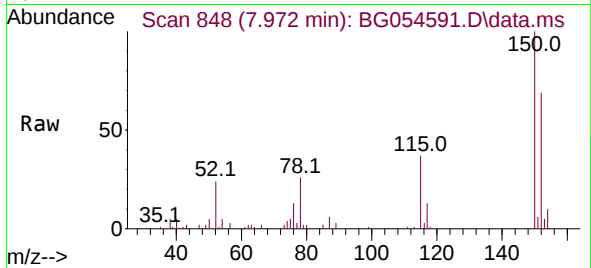




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.972 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BG054591.D
 Acq: 10 Aug 2022 16:48

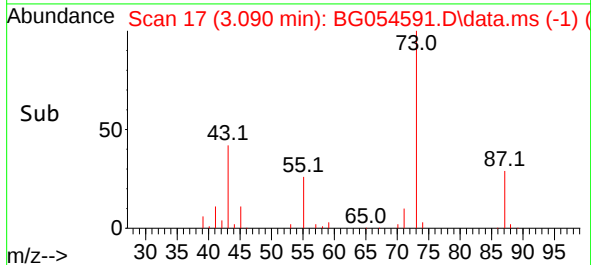
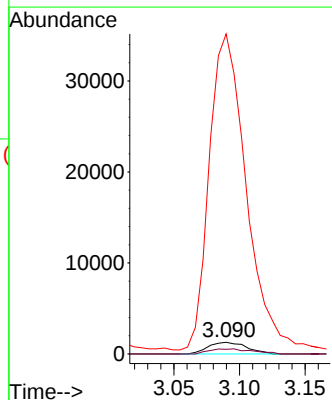
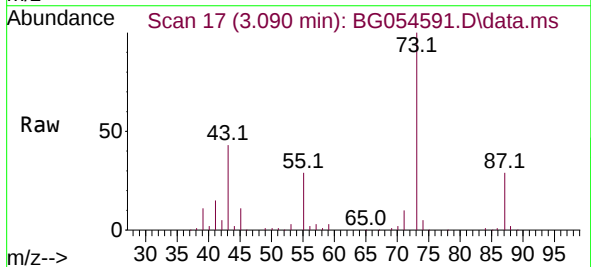
Instrument :
 BNA_G
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 MW-22R

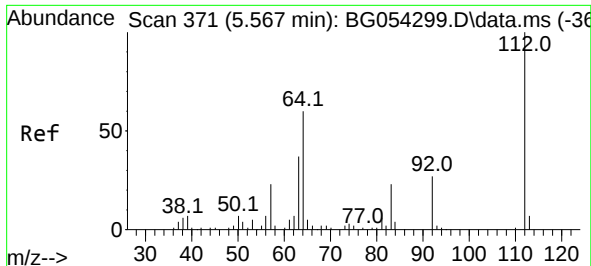
Tgt Ion:152 Resp: 18809
 Ion Ratio Lower Upper
 152 100
 150 144.6 131.6 197.4
 115 53.9 50.9 76.3



#2
 1,4-Dioxane
 Concen: 7.280 ng
 RT: 3.090 min Scan# 17
 Delta R.T. -0.306 min
 Lab File: BG054591.D
 Acq: 10 Aug 2022 16:48

Tgt Ion: 88 Resp: 2609
 Ion Ratio Lower Upper
 88 100
 58 49.5 59.2 88.8#
 43 2662.8 24.3 36.5#

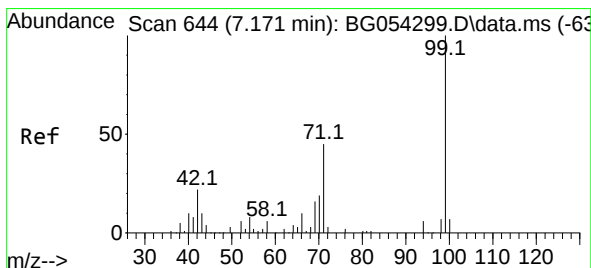
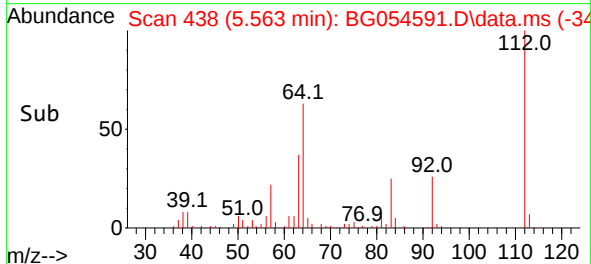
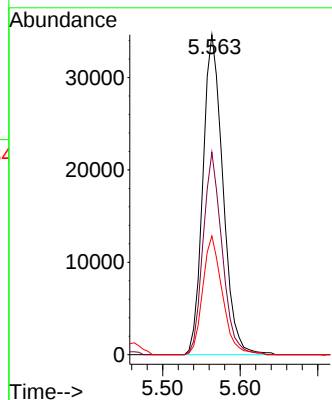
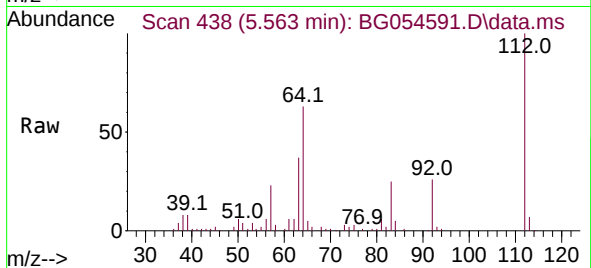




#5
2-Fluorophenol
Concen: 68.999 ng
RT: 5.563 min Scan# 41
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

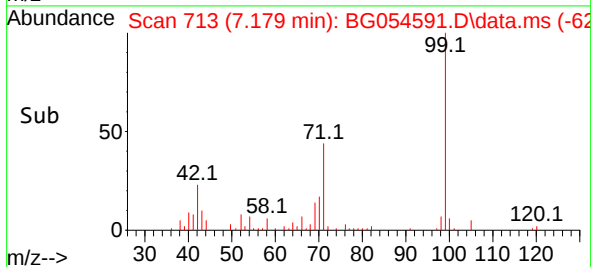
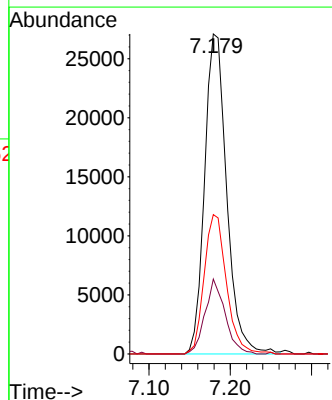
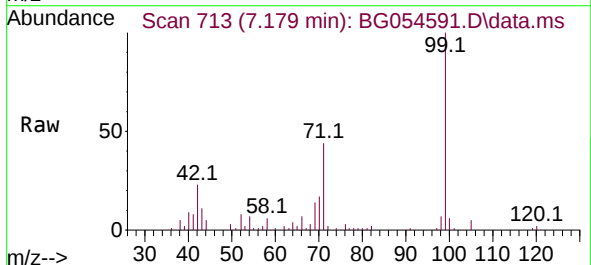
Instrument :
BNA_G
ClientSampleId :
MW-22R

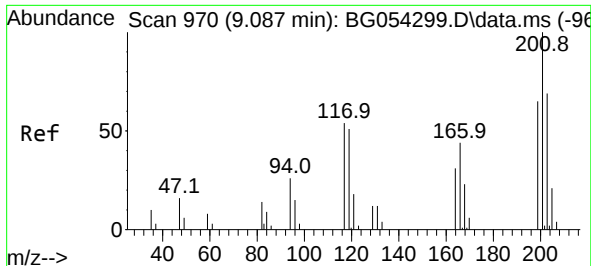
Tgt Ion:112 Resp: 62159
Ion Ratio Lower Upper
112 100
64 63.2 55.1 82.7
63 37.1 30.4 45.6



#7
Phenol-d6
Concen: 41.472 ng
RT: 7.179 min Scan# 713
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion: 99 Resp: 51193
Ion Ratio Lower Upper
99 100
42 23.4 17.0 25.6
71 43.6 33.8 50.8

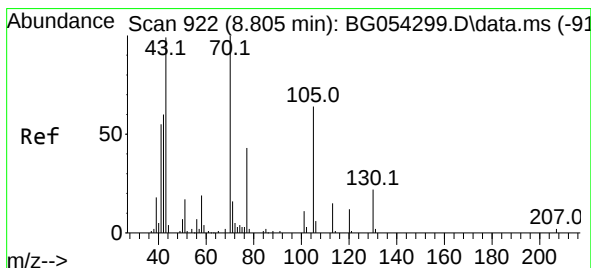
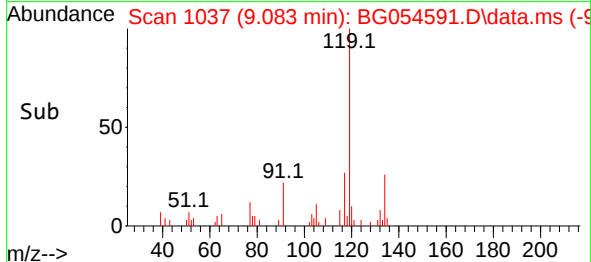
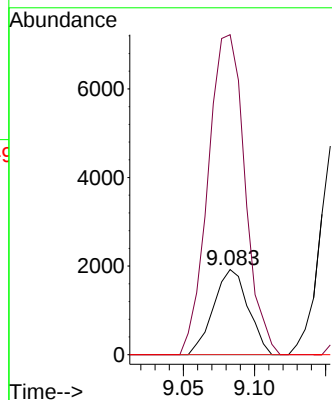
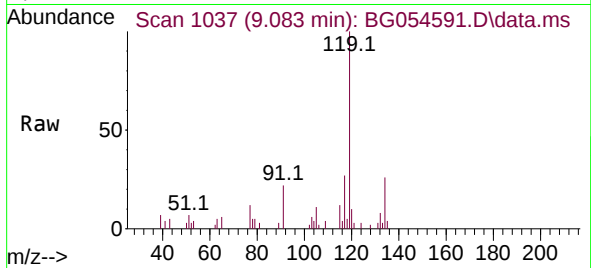




#18
Hexachloroethane
Concen: 7.549 ng
RT: 9.083 min Scan# 1047
Delta R.T. 0.029 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

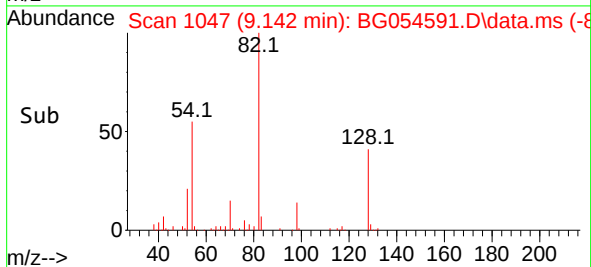
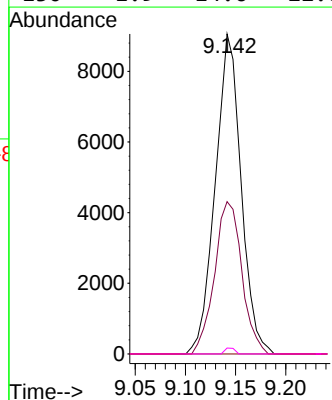
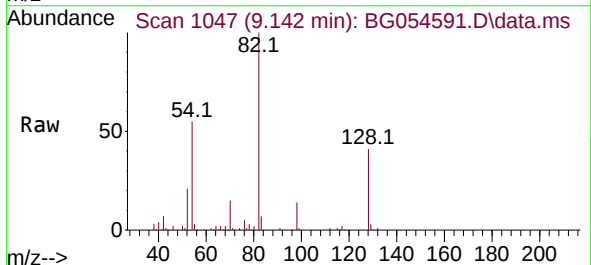
Instrument :
BNA_G
ClientSampleId :
MW-22R

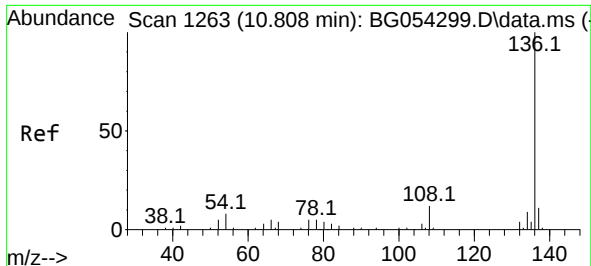
Tgt Ion:117 Resp: 3256
Ion Ratio Lower Upper
117 100
119 375.9 75.0 112.6#
201 0.0 89.0 133.6#



#19
n-Nitroso-di-n-propylamine
Concen: 19.615 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.358 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion: 70 Resp: 16169
Ion Ratio Lower Upper
70 100
42 47.6 47.3 70.9
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

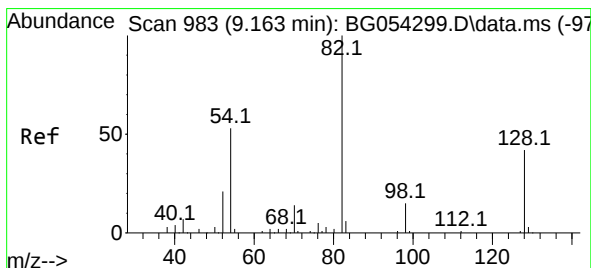
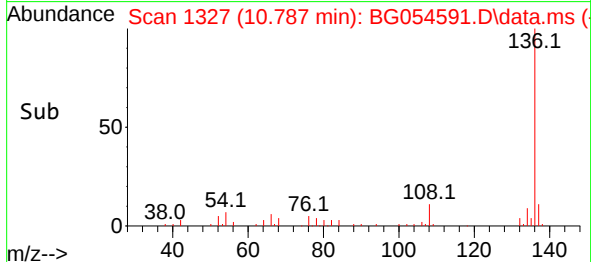
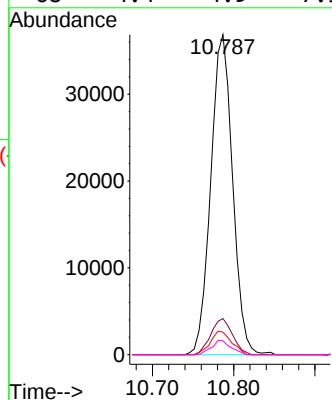
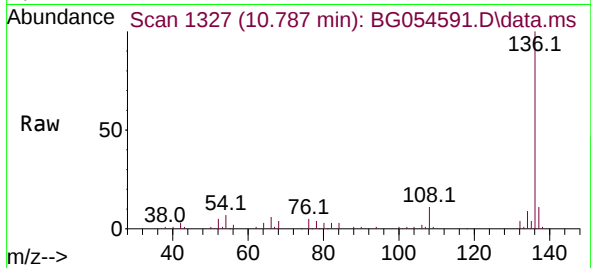




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

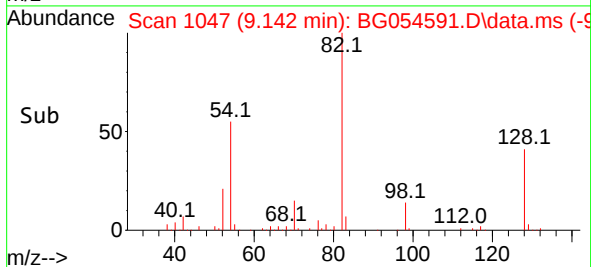
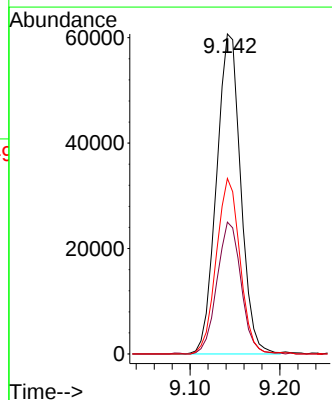
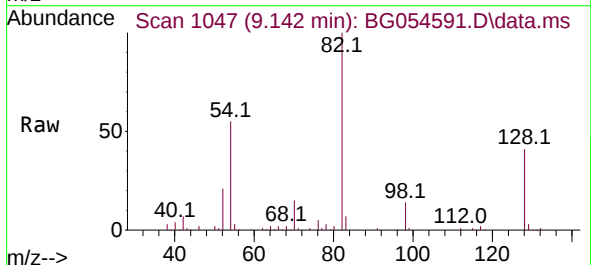
Instrument :
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ClientSampleId :
MW-22R

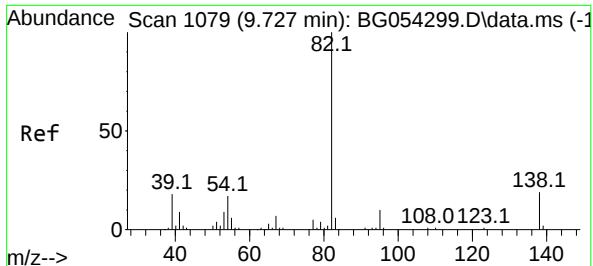
Tgt Ion:	136	Resp:	68787
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.1	7.4	11.2#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 89.934 ng
RT: 9.142 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:	82	Resp:	113600
Ion Ratio	Lower	Upper	
82	100		
128	41.2	27.9	41.9
54	54.8	41.2	61.8

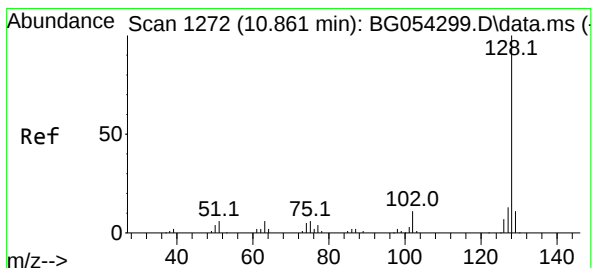
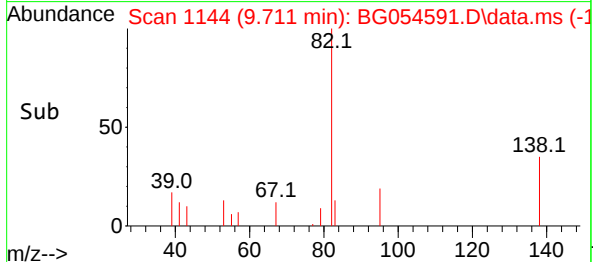
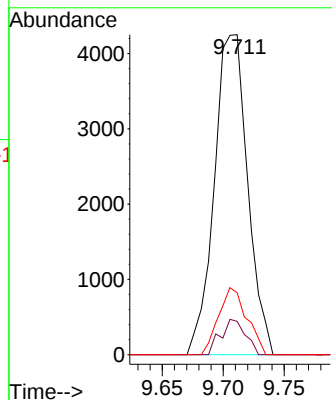
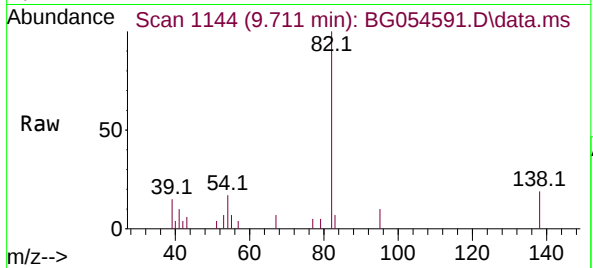




#25
Isophorone
Concen: 3.687 ng
RT: 9.711 min Scan# 1144
Delta R.T. 0.006 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

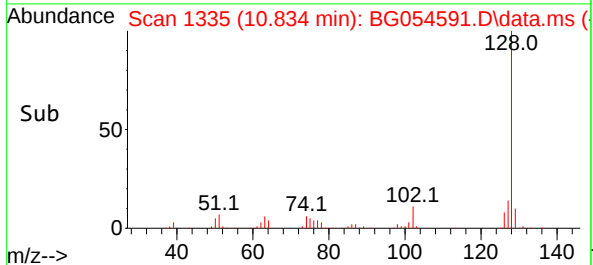
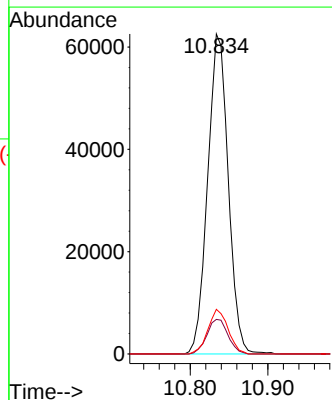
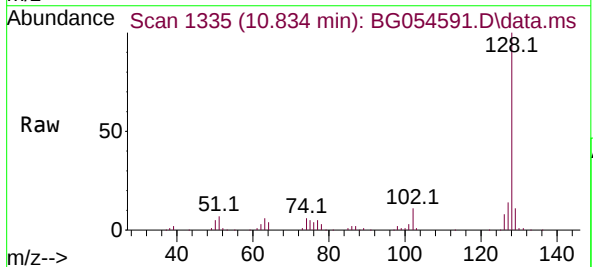
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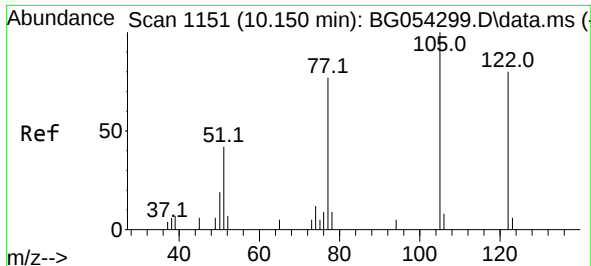
Tgt Ion: 82 Resp: 8099
Ion Ratio Lower Upper
82 100
95 10.4 6.2 9.4#
138 19.3 11.6 17.4#



#31
Naphthalene
Concen: 33.409 ng
RT: 10.834 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion: 128 Resp: 115359
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.9 11.1 16.7

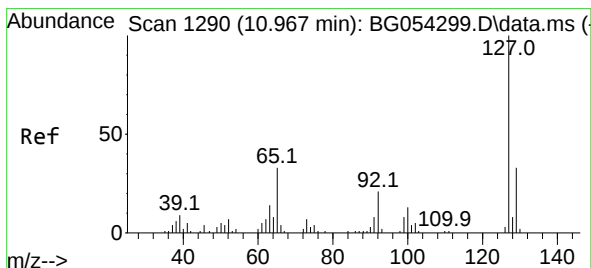
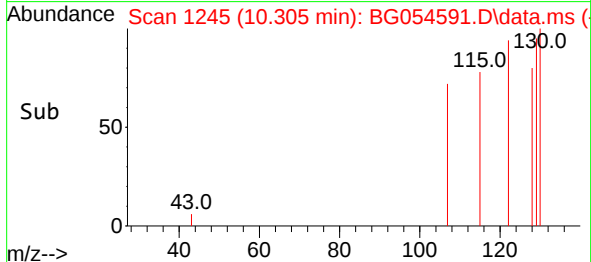
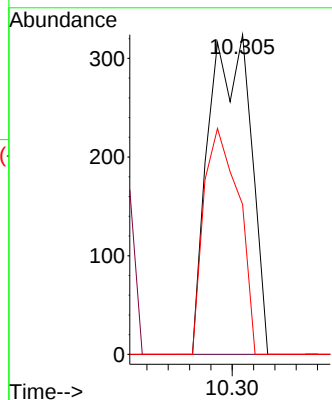
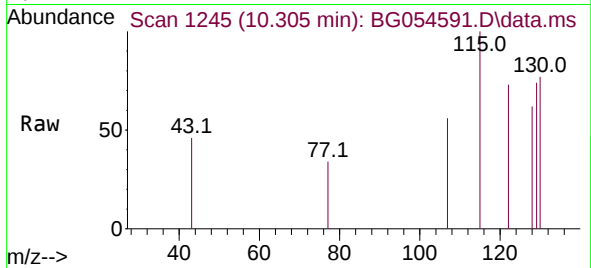




#32
Benzoic acid
Concen: 8.765 ng
RT: 10.305 min Scan# 1151
Delta R.T. 0.159 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

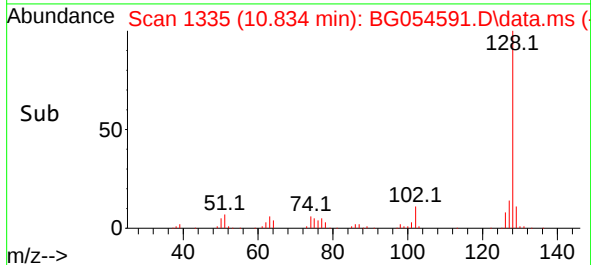
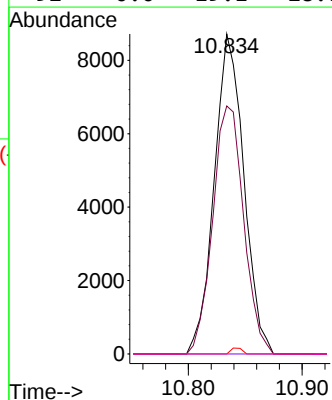
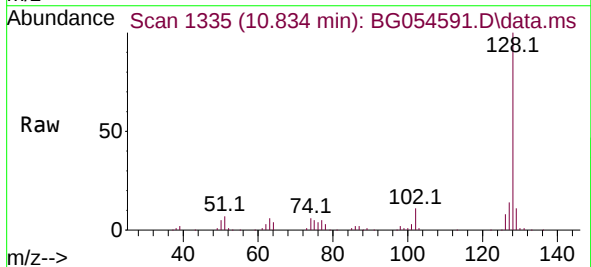
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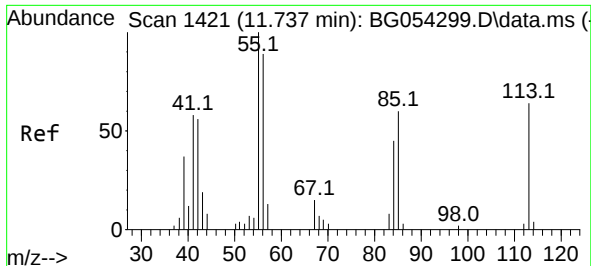
Tgt Ion:122 Resp: 445
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 46.9 109.4 149.4#



#33
4-Chloroaniline
Concen: 11.211 ng
RT: 10.834 min Scan# 1335
Delta R.T. -0.118 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:127 Resp: 15742
Ion Ratio Lower Upper
127 100
129 77.5 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#

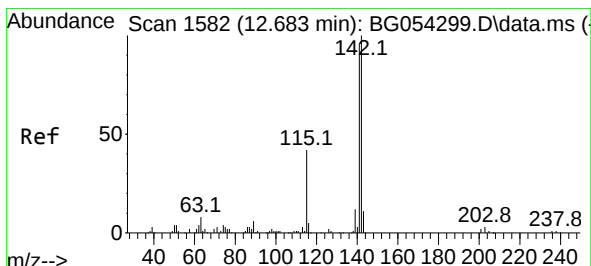
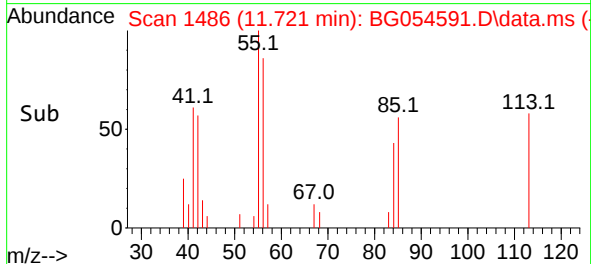
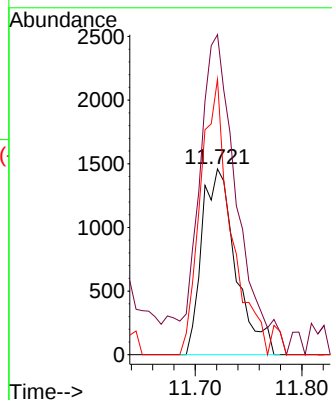
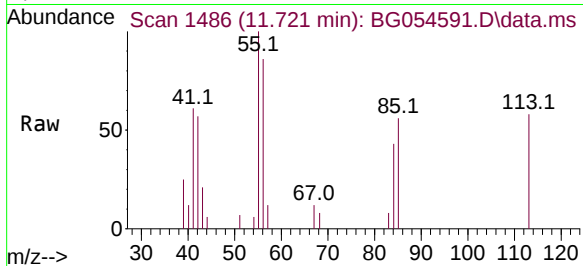




#35
Caprolactam
Concen: 9.847 ng
RT: 11.721 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

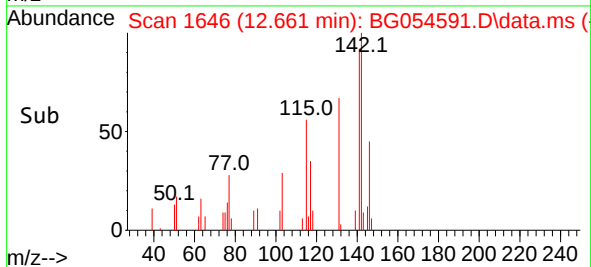
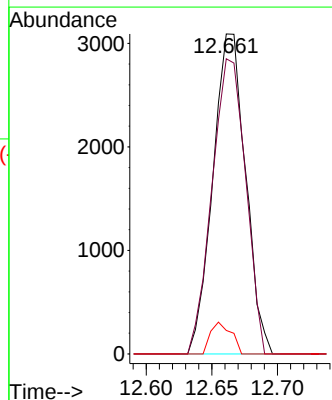
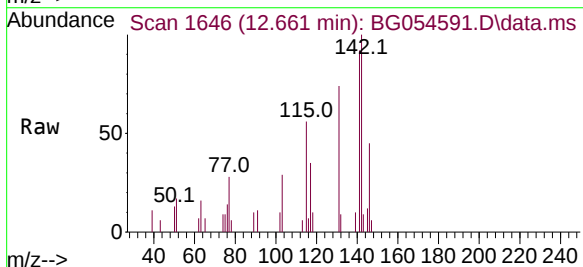
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MW-22R

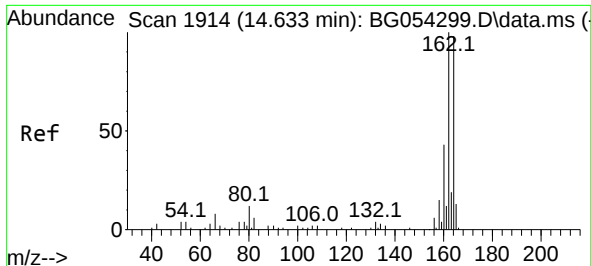
Tgt Ion:113 Resp: 3217
Ion Ratio Lower Upper
113 100
55 172.3 169.8 209.8
56 148.3 141.2 181.2



#38
1-Methylnaphthalene
Concen: 2.073 ng
RT: 12.661 min Scan# 1646
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:142 Resp: 5356
Ion Ratio Lower Upper
142 100
141 92.3 76.4 114.6
116 7.3 3.3 4.9#

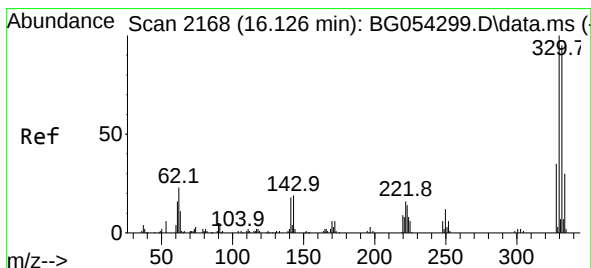
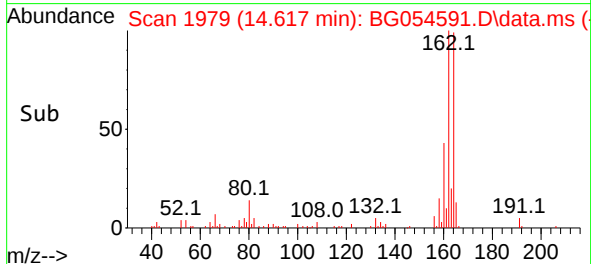
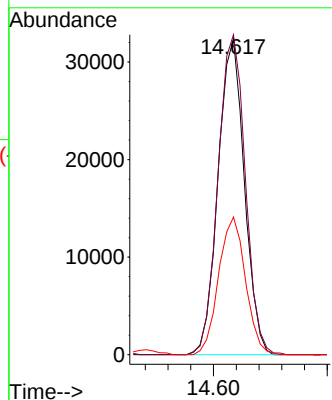
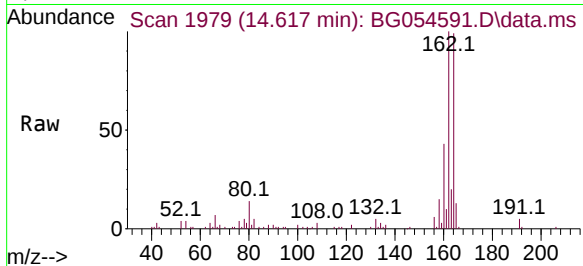




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

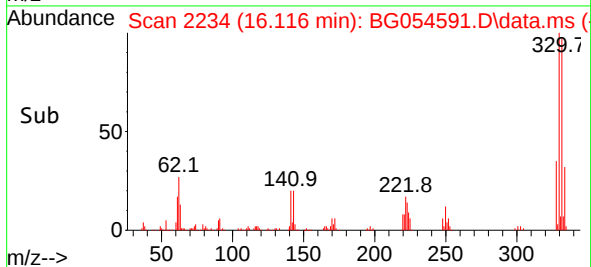
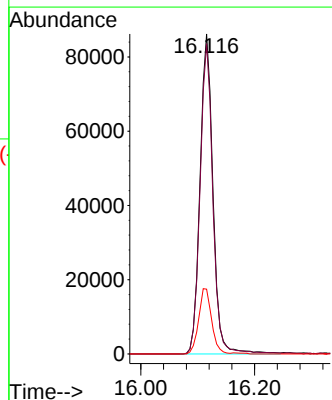
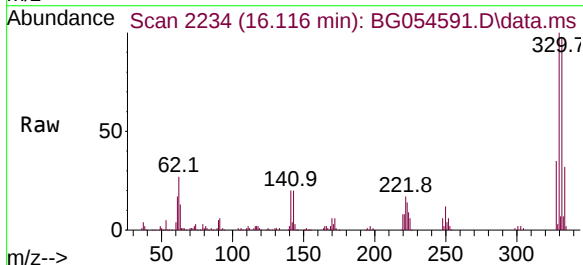
Instrument :
BNA_G
ClientSampleId :
MW-22R

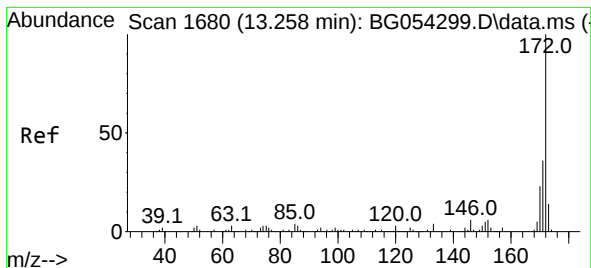
Tgt Ion:164 Resp: 51915
Ion Ratio Lower Upper
164 100
162 101.2 82.3 123.5
160 43.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 125.318 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:330 Resp: 136599
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.4 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 85.930 ng

RT: 13.237 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG054591.D

Acq: 10 Aug 2022 16:48

Instrument :

BNA_G

ClientSampleId :

MW-22R

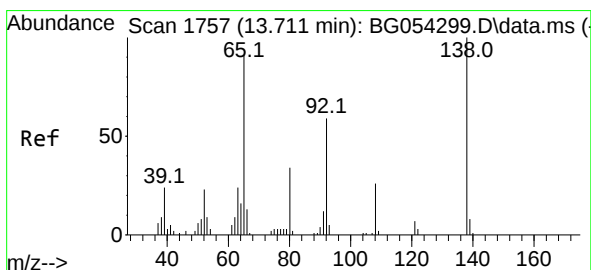
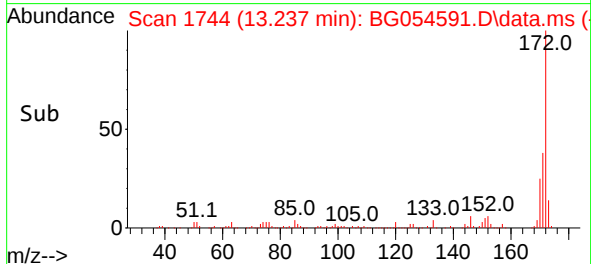
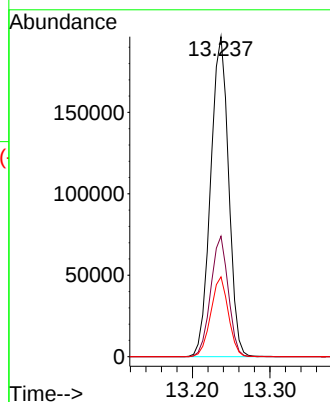
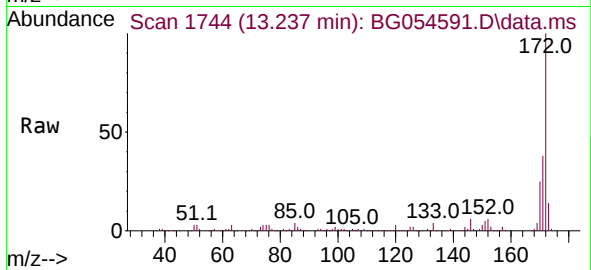
Tgt Ion:172 Resp: 316231

Ion Ratio Lower Upper

172 100

171 37.6 28.5 42.7

170 24.9 18.9 28.3



#48

2-Nitroaniline

Concen: 7.520 ng

RT: 13.466 min Scan# 1783

Delta R.T. -0.235 min

Lab File: BG054591.D

Acq: 10 Aug 2022 16:48

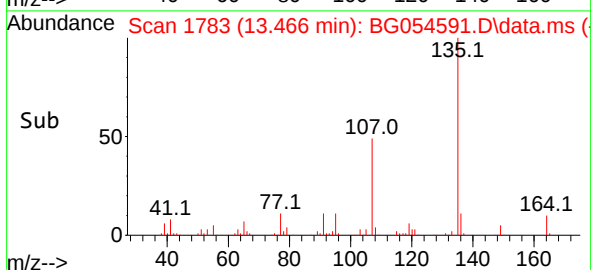
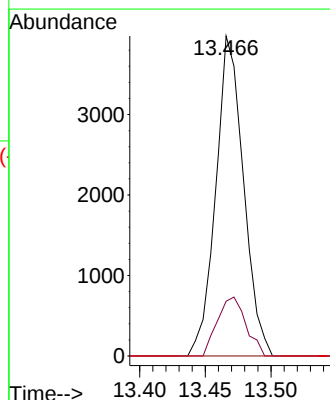
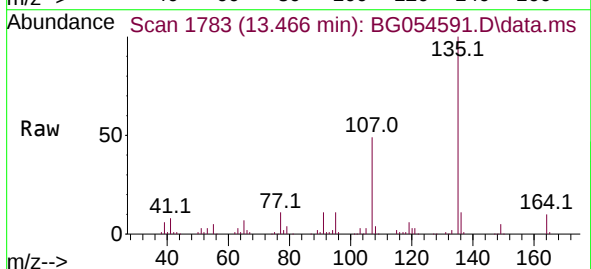
Tgt Ion: 65 Resp: 5833

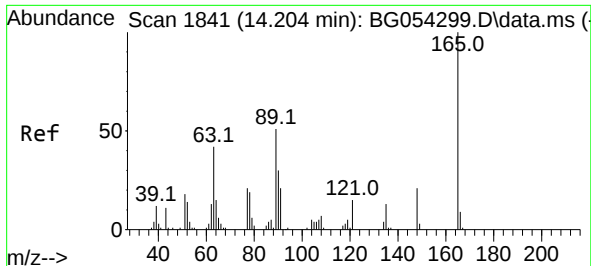
Ion Ratio Lower Upper

65 100

92 17.1 51.5 77.3#

138 0.0 71.3 106.9#

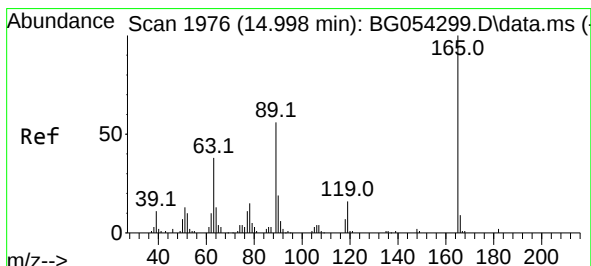
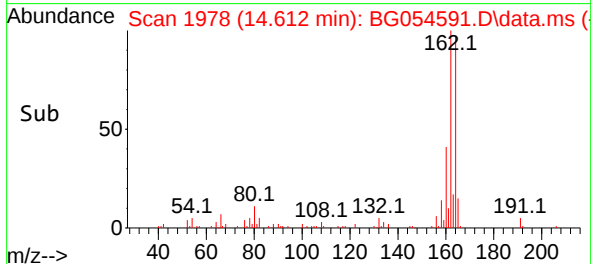
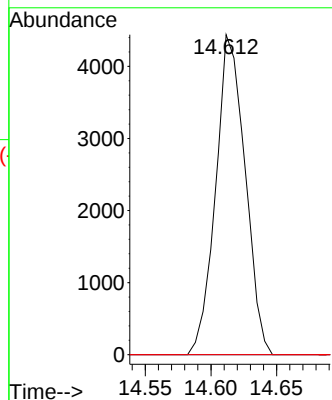
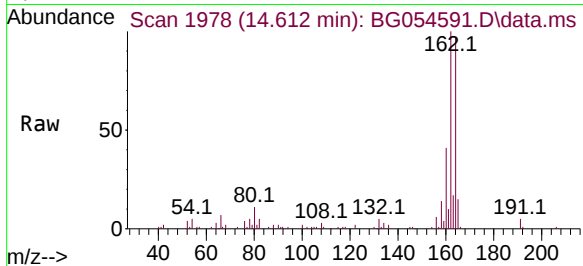




#51
2,6-Dinitrotoluene
Concen: 7.759 ng
RT: 14.612 min Scan# 1978
Delta R.T. 0.417 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

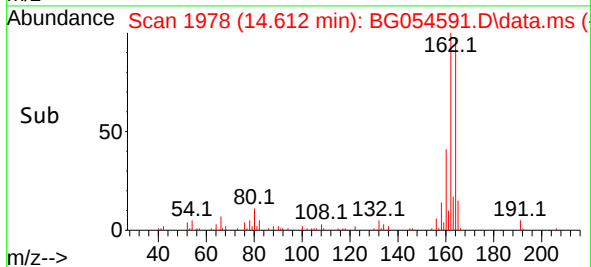
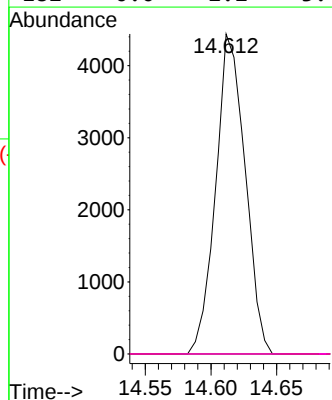
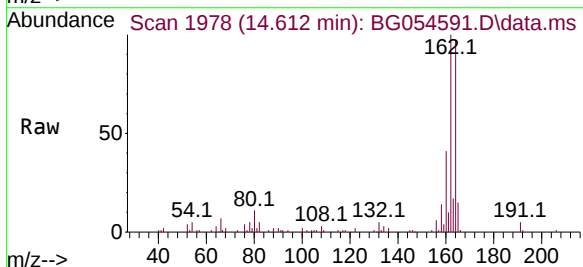
Instrument :
BNA_G
ClientSampleId :
MW-22R

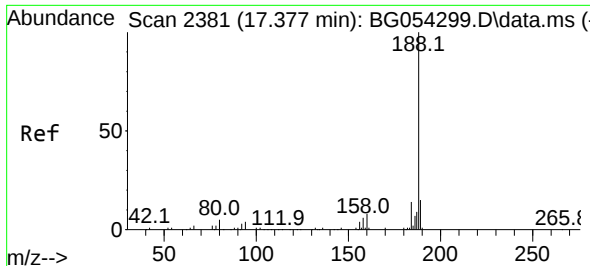
Tgt Ion:165 Resp: 6901
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.412 ng
RT: 14.612 min Scan# 1978
Delta R.T. -0.382 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:165 Resp: 6901
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#

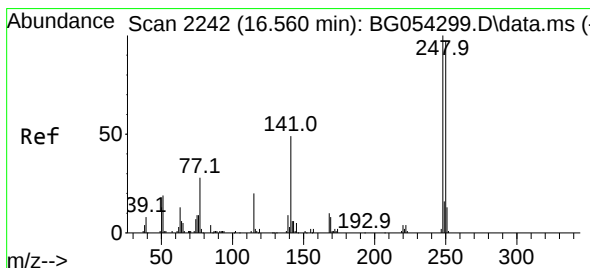
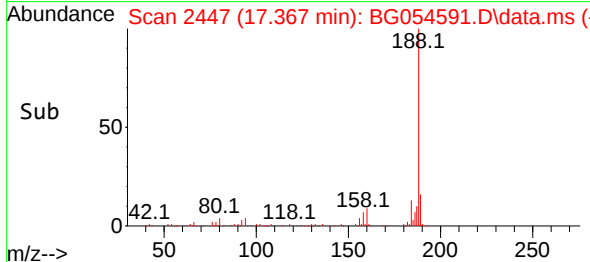
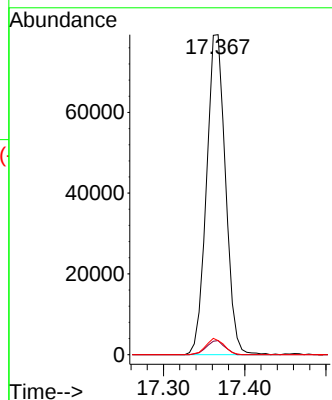
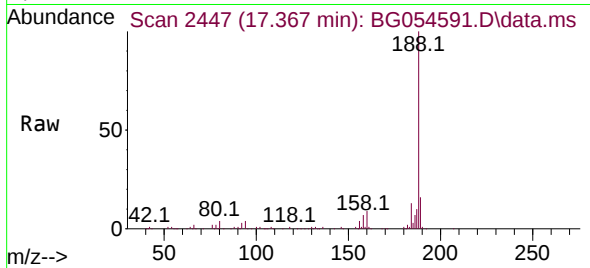




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. 0.006 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

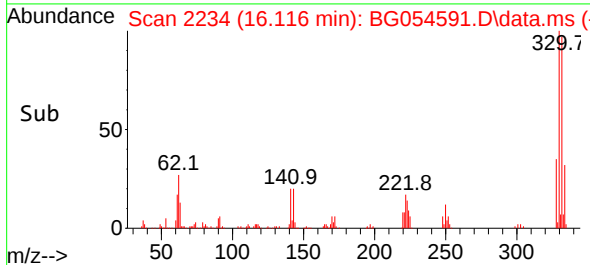
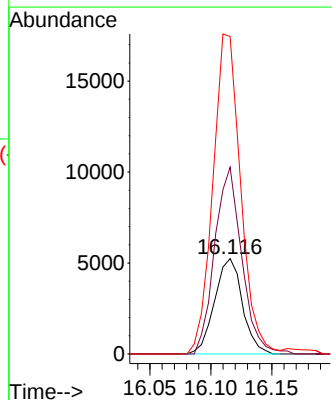
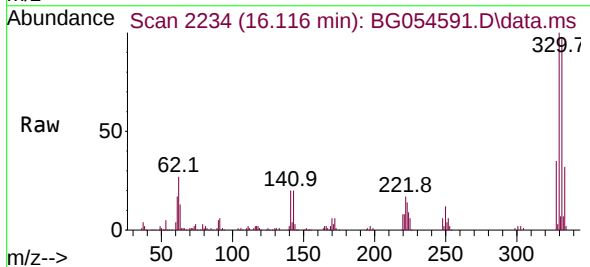
Instrument :
BNA_G
ClientSampleId :
MW-22R

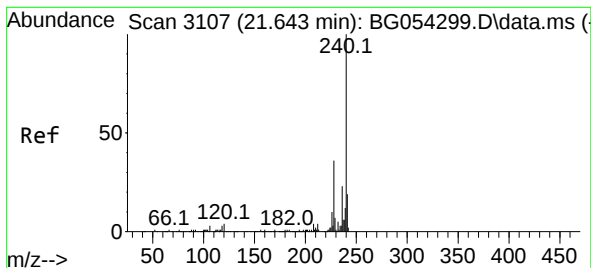
Tgt Ion:188 Resp: 128413
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.4 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.621 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.429 min
Lab File: BG054591.D
Acq: 10 Aug 2022 16:48

Tgt Ion:248 Resp: 8334
Ion Ratio Lower Upper
248 100
250 144.1 75.2 112.8#
141 244.9 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.633 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG054591.D

Acq: 10 Aug 2022 16:48

Instrument :

BNA_G

ClientSampleId :

MW-22R

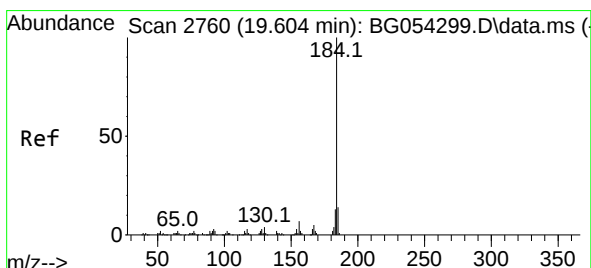
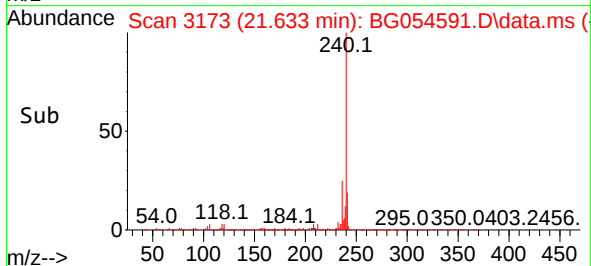
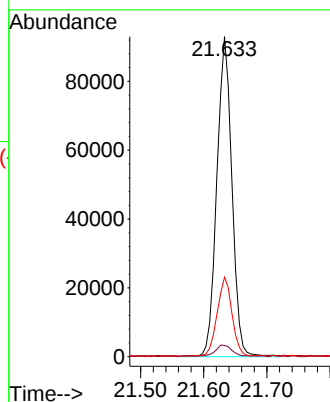
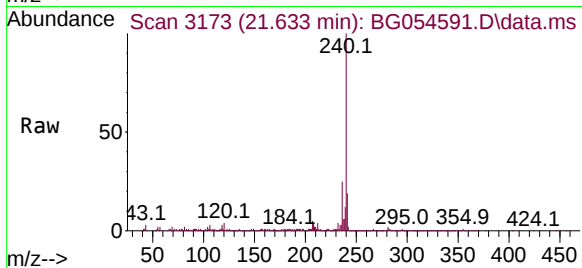
Tgt Ion:240 Resp: 154415

Ion Ratio Lower Upper

240 100

120 3.5 4.6 7.0#

236 24.8 20.2 30.4



#77

Benzidine

Concen: 3.469 ng

RT: 19.970 min Scan# 2890

Delta R.T. 0.376 min

Lab File: BG054591.D

Acq: 10 Aug 2022 16:48

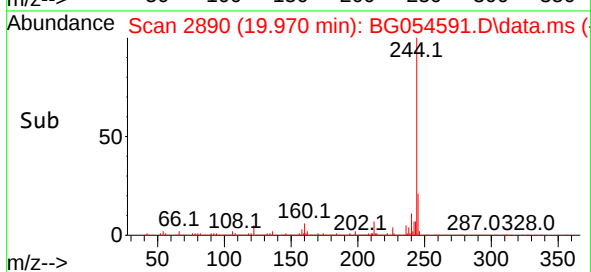
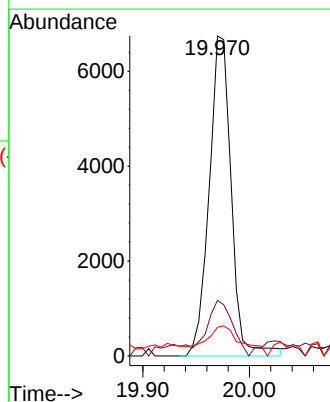
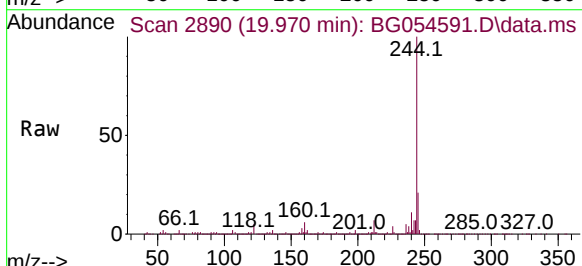
Tgt Ion:184 Resp: 9700

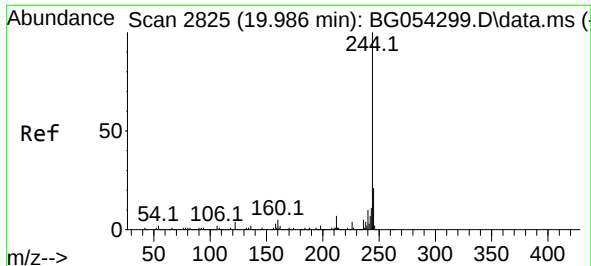
Ion Ratio Lower Upper

184 100

185 17.3 11.8 17.6

183 8.9 8.9 13.3

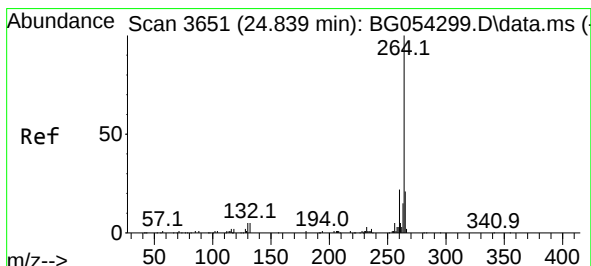
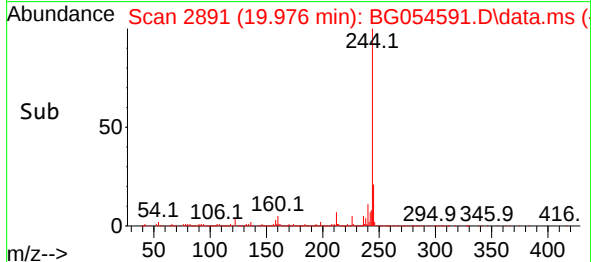
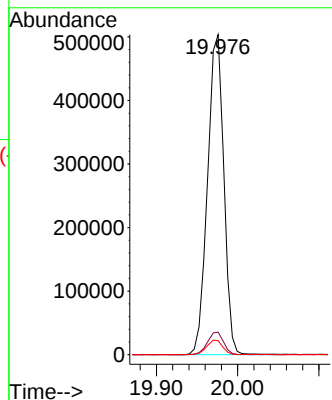
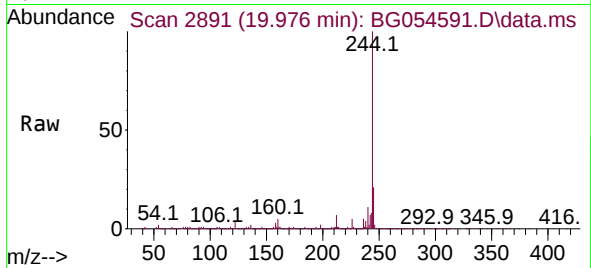




#79
 Terphenyl-d14
 Concen: 89.864 ng
 RT: 19.976 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054591.D
 Acq: 10 Aug 2022 16:48

Instrument :
 BNA_G
 ClientSampleId :
 MW-22R

Tgt Ion:244 Resp: 699485
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.4 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.847 min Scan# 3720
 Delta R.T. 0.012 min
 Lab File: BG054591.D
 Acq: 10 Aug 2022 16:48

Tgt Ion:264 Resp: 164841
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.0 28.6
 265 22.4 17.4 26.2

