

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081122\
 Data File : BG054602.D
 Acq On : 11 Aug 2022 13:04
 Operator : CG/JU
 Sample : N3971-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-23R

Quant Time: Aug 12 06:01:44 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)

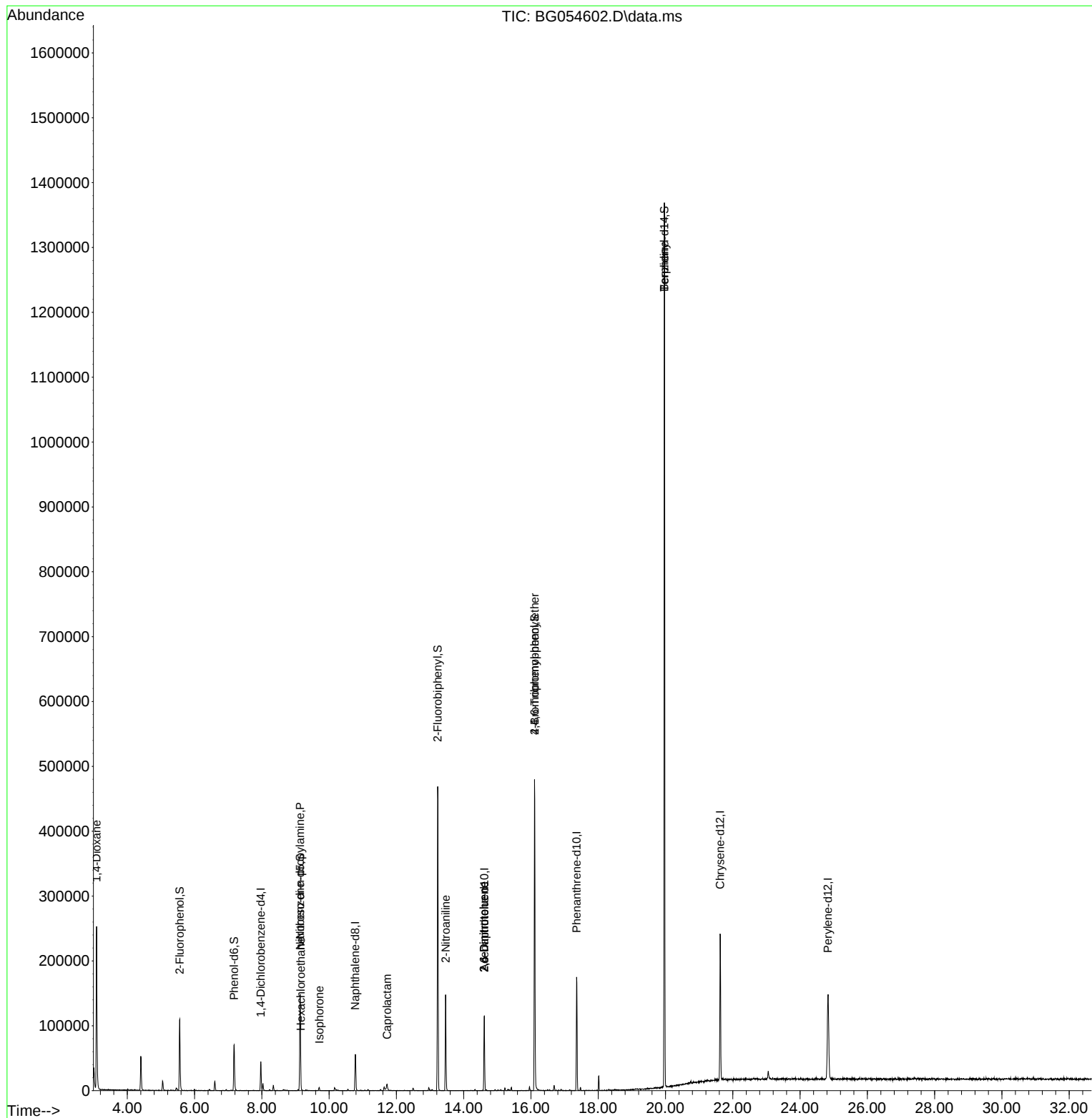
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	14094	20.000	ng	0.00
21) Naphthalene-d8	10.778	136	54138	20.000	ng	# 0.00
39) Acenaphthene-d10	14.614	164	45770	20.000	ng	0.00
64) Phenanthrene-d10	17.358	188	131384	20.000	ng	# 0.00
76) Chrysene-d12	21.624	240	160762	20.000	ng	# 0.00
86) Perylene-d12	24.826	264	167076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.560	112	52836	78.271	ng	0.00
7) Phenol-d6	7.176	99	43717	47.263	ng	0.00
23) Nitrobenzene-d5	9.139	82	91554	92.094	ng	0.00
42) 2,4,6-Tribromophenol	16.107	330	129985	135.260	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	273699	84.358	ng	0.00
79) Terphenyl-d14	19.967	244	782358	96.543	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.087	88	2420	9.011	ng	# 1
18) Hexachloroethane	9.162	117	869	2.689	ng	# 1
19) n-Nitroso-di-n-propyla...	9.139	70	13036	21.105	ng	# 79
25) Isophorone	9.708	82	3962	2.292	ng	# 95
35) Caprolactam	11.724	113	2186	8.502	ng	# 80
48) 2-Nitroaniline	13.469	65	4816	7.042	ng	# 19
51) 2,6-Dinitrotoluene	14.609	165	6099	7.778	ng	# 16
57) 2,4-Dinitrotoluene	14.609	165	6099	5.425	ng	# 21
67) 4-Bromophenyl-phenylether	16.107	248	7886	4.274	ng	# 1
77) Benzidine	19.967	184	10184	3.498	ng	# 85

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

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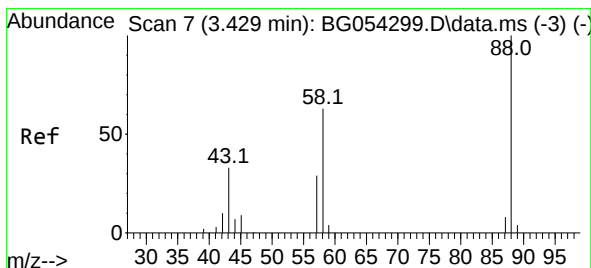
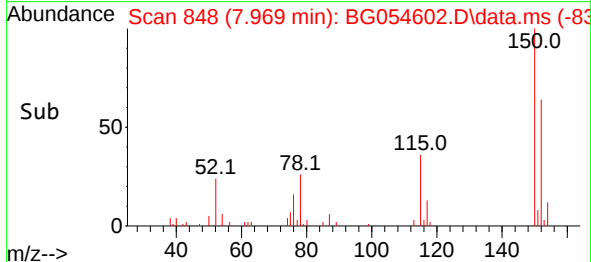
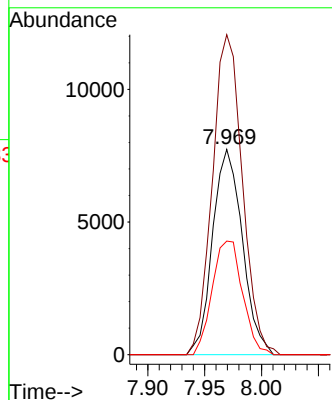
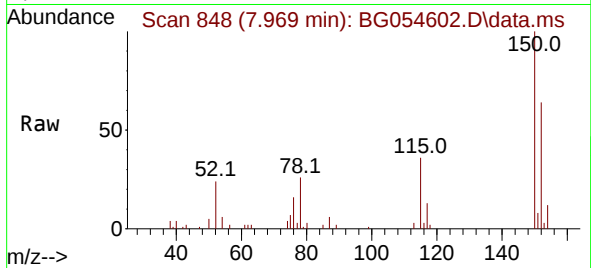




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: BG054602.D
 Acq: 11 Aug 2022 13:04

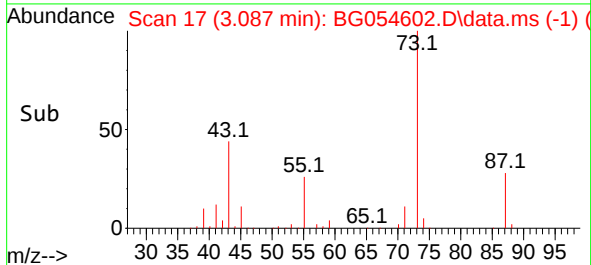
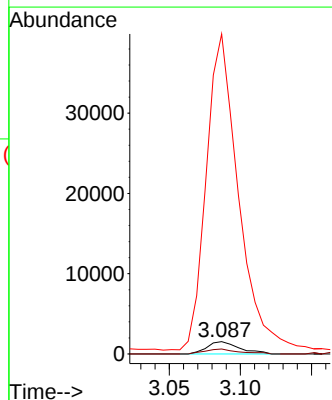
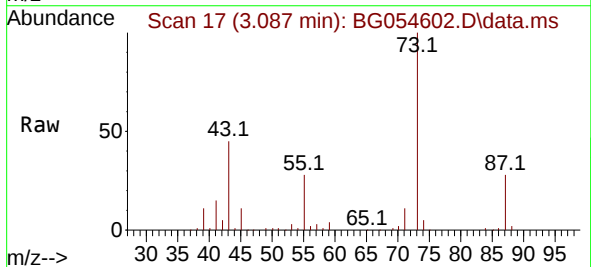
Instrument :
 BNA_G
 ClientSampleId :
 MW-23R

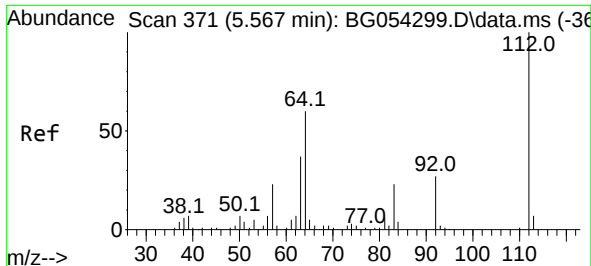
Tgt Ion:152 Resp: 14094
 Ion Ratio Lower Upper
 152 100
 150 155.9 131.6 197.4
 115 55.4 50.9 76.3



#2
 1,4-Dioxane
 Concen: 9.011 ng
 RT: 3.087 min Scan# 17
 Delta R.T. -0.309 min
 Lab File: BG054602.D
 Acq: 11 Aug 2022 13:04

Tgt Ion: 88 Resp: 2420
 Ion Ratio Lower Upper
 88 100
 58 41.8 59.2 88.8#
 43 2641.2 24.3 36.5#

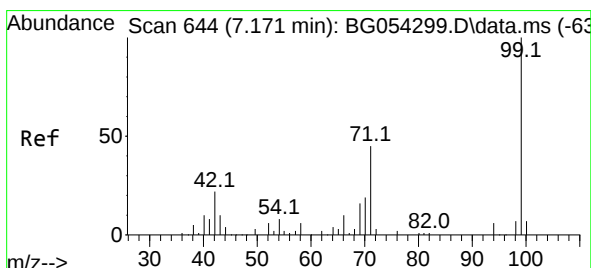
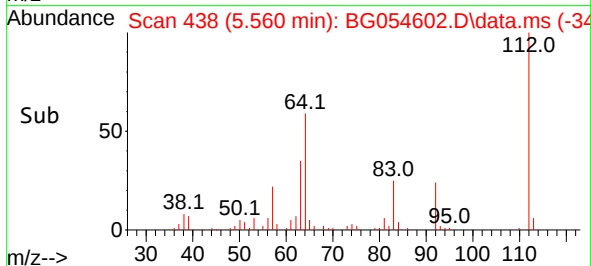
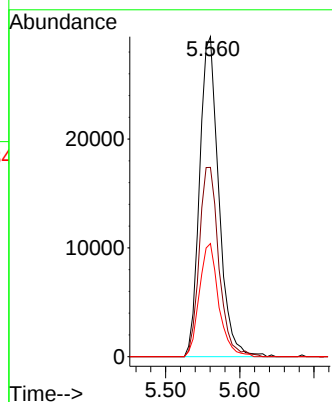
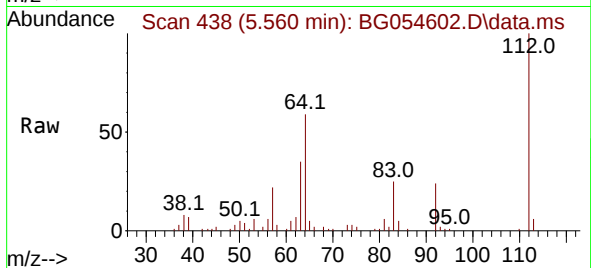




#5
2-Fluorophenol
Concen: 78.271 ng
RT: 5.560 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

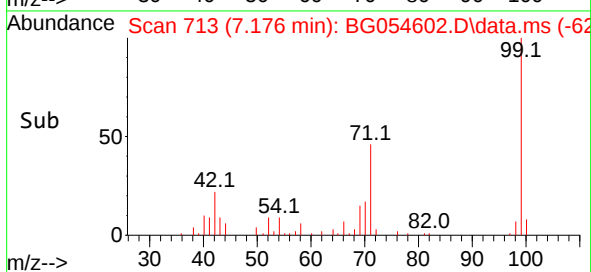
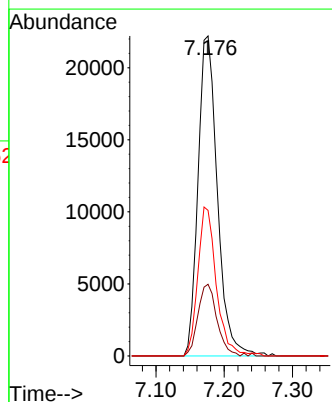
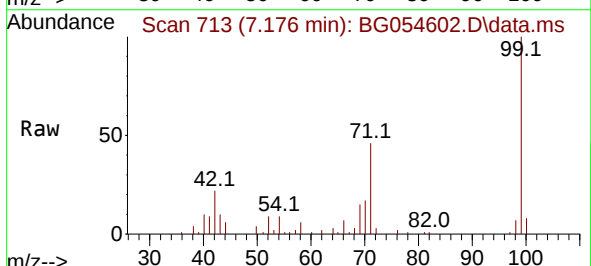
Instrument :
BNA_G
ClientSampleId :
MW-23R

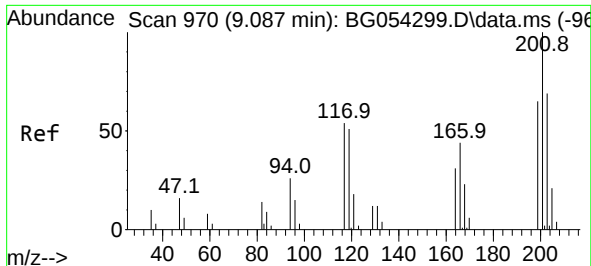
Tgt Ion:112 Resp: 52836
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 35.4 30.4 45.6



#7
Phenol-d6
Concen: 47.263 ng
RT: 7.176 min Scan# 713
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion: 99 Resp: 43717
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 45.5 33.8 50.8

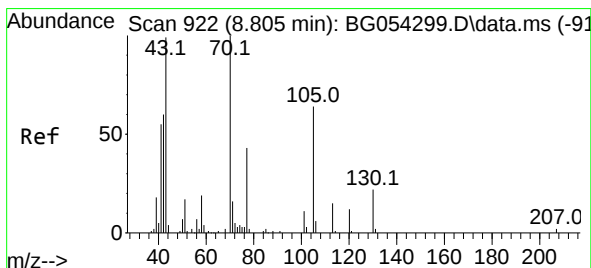
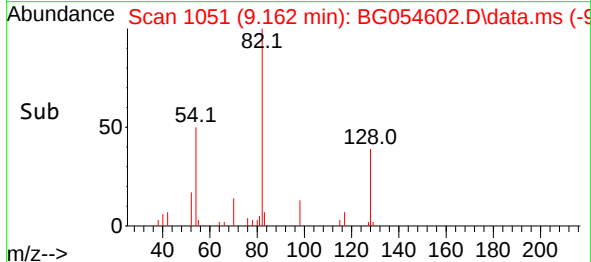
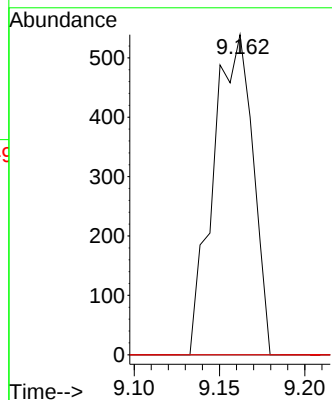
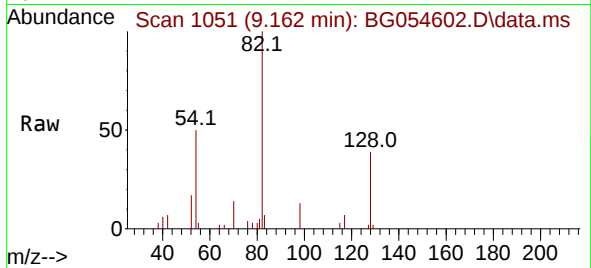




#18
Hexachloroethane
Concen: 2.689 ng
RT: 9.162 min Scan# 1051
Delta R.T. 0.109 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

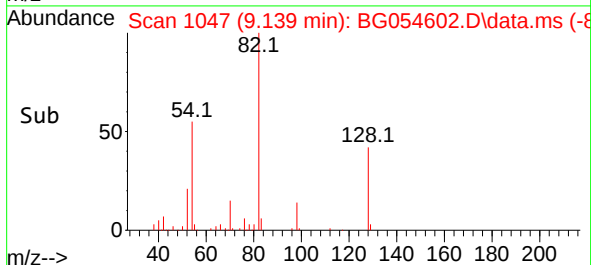
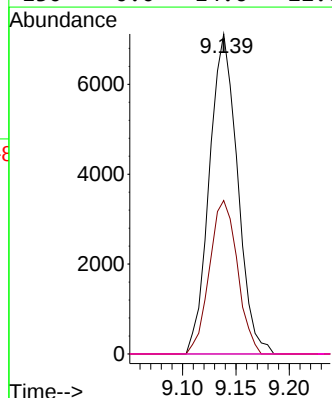
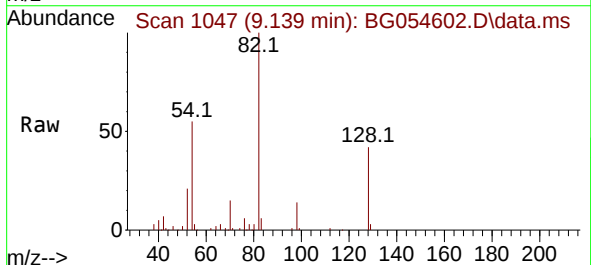
Instrument :
BNA_G
ClientSampleId :
MW-23R

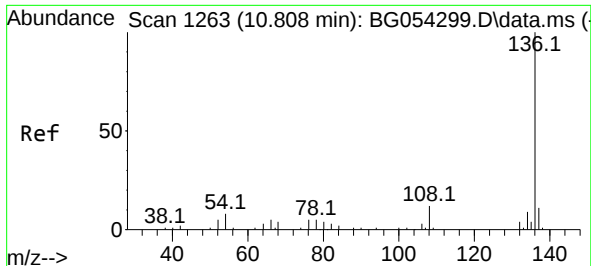
Tgt Ion:117 Resp: 869
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
201 0.0 89.0 133.6#



#19
n-Nitroso-di-n-propylamine
Concen: 21.105 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.355 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion: 70 Resp: 13036
Ion Ratio Lower Upper
70 100
42 48.0 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

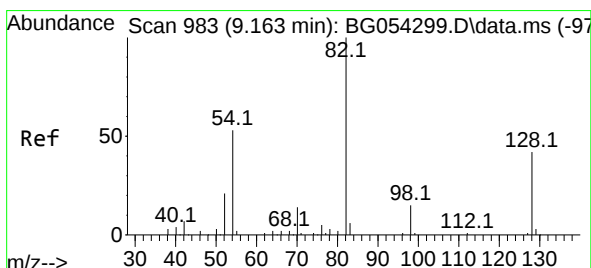
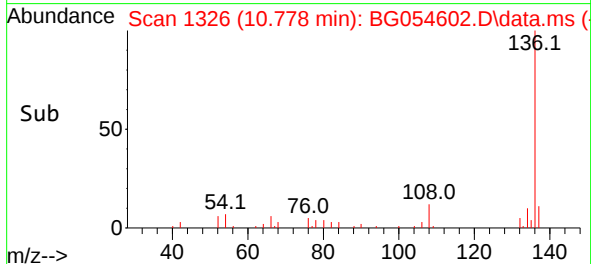
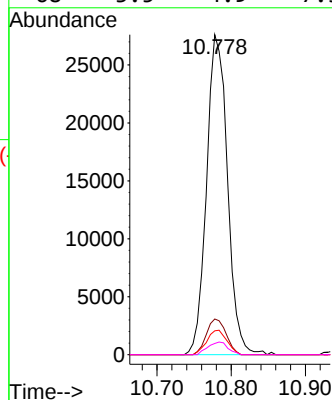
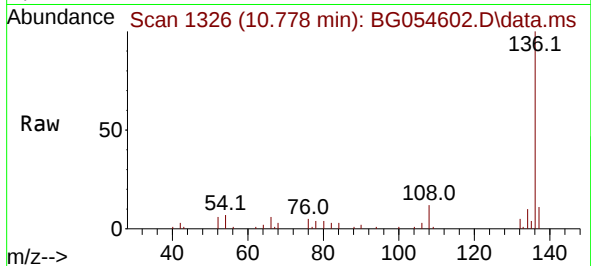




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.778 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

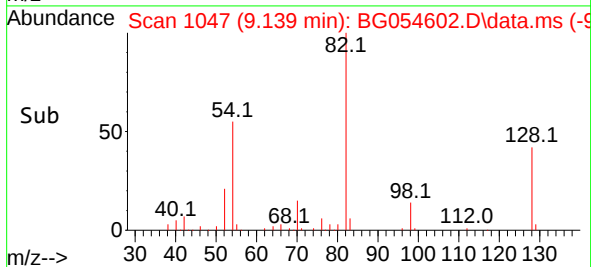
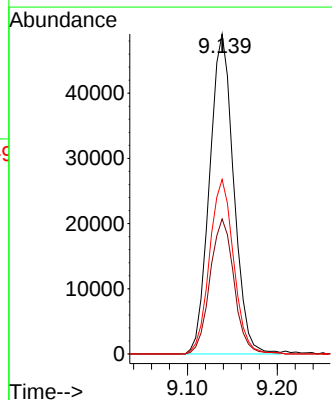
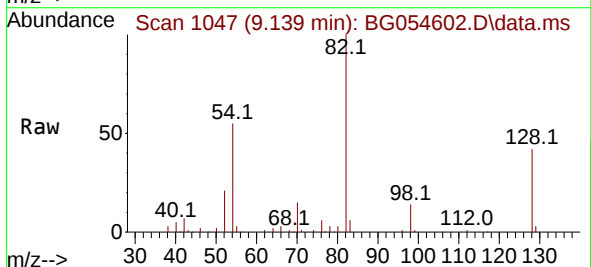
Instrument :
BNA_G
ClientSampleId :
MW-23R

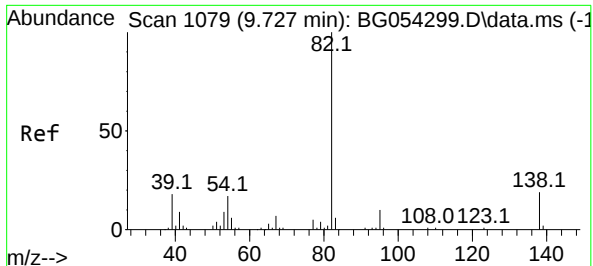
Tgt Ion:	136	Resp:	54138
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.5	7.4	11.2
68	3.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 92.094 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion:	82	Resp:	91554
Ion	Ratio	Lower	Upper
82	100		
128	42.2	27.9	41.9
54	54.5	41.2	61.8

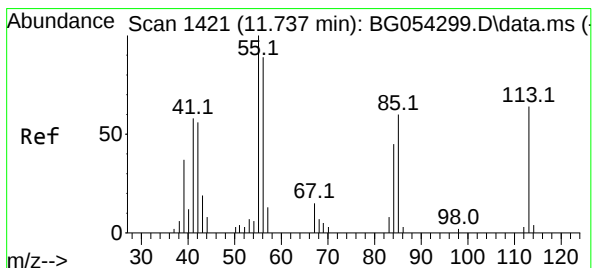
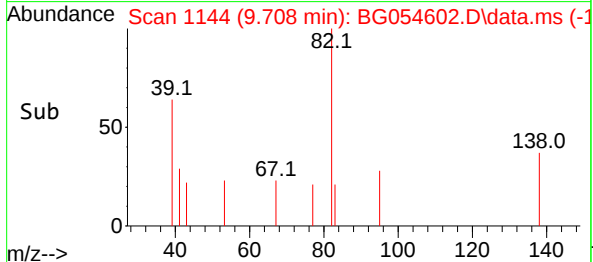
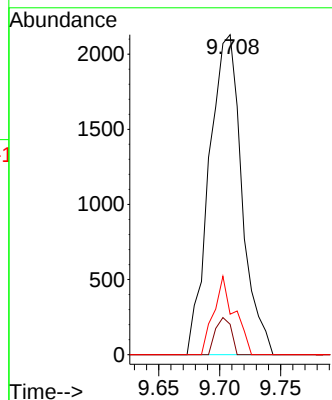
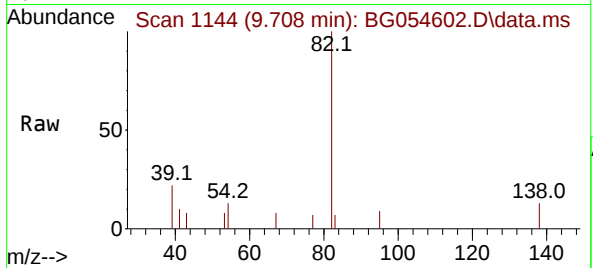




#25
Isophorone
Concen: 2.292 ng
RT: 9.708 min Scan# 1144
Delta R.T. 0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

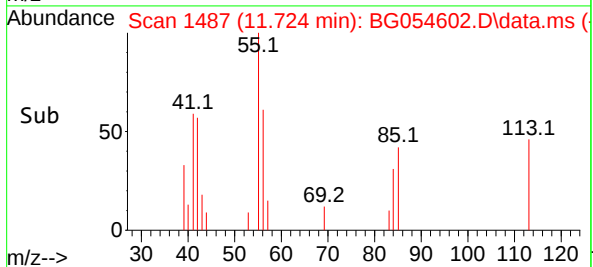
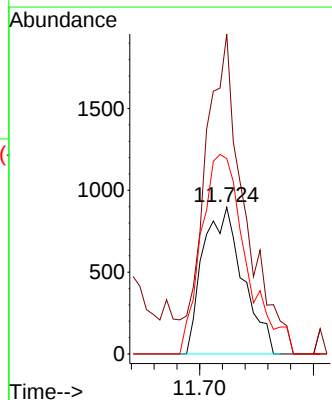
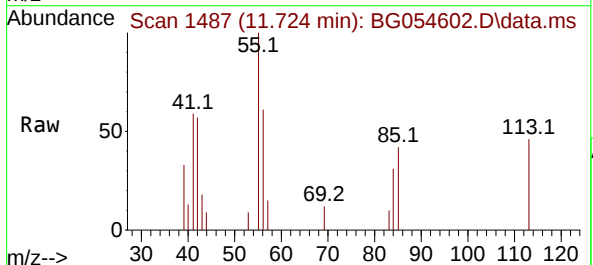
Instrument :
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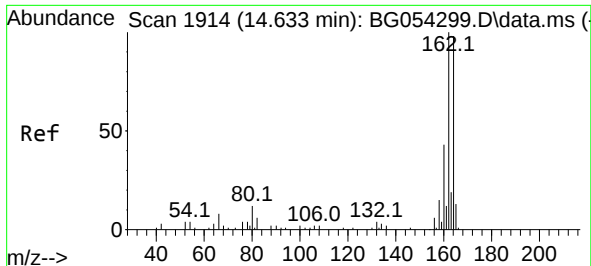
Tgt Ion: 82 Resp: 3962
Ion Ratio Lower Upper
82 100
95 9.5 6.2 9.4#
138 12.6 11.6 17.4



#35
Caprolactam
Concen: 8.502 ng
RT: 11.724 min Scan# 1487
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion: 113 Resp: 2186
Ion Ratio Lower Upper
113 100
55 218.3 169.8 209.8#
56 133.3 141.2 181.2#

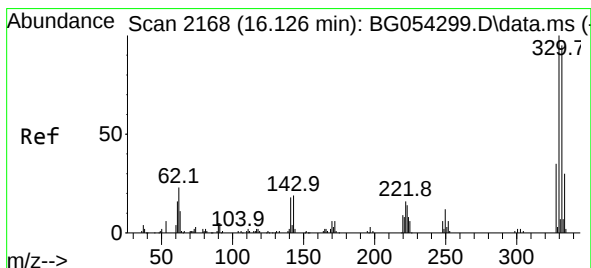
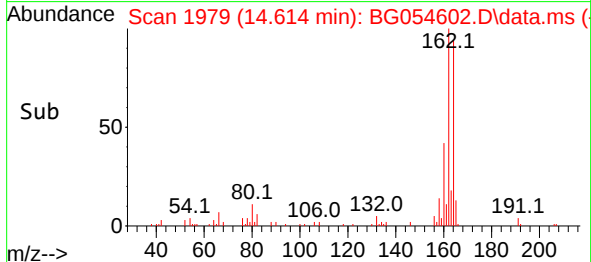
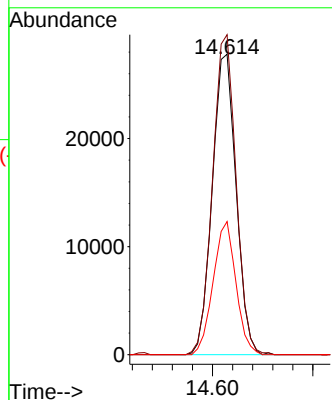
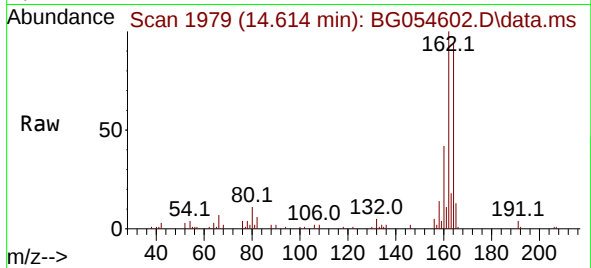




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.614 min Scan# 1914
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

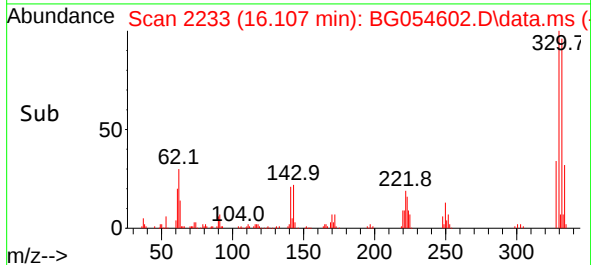
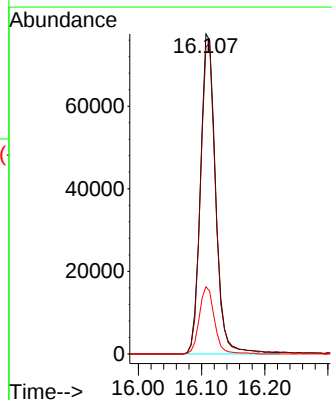
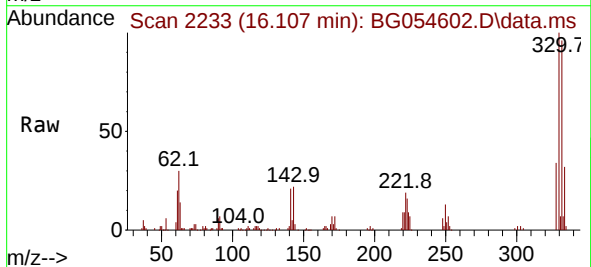
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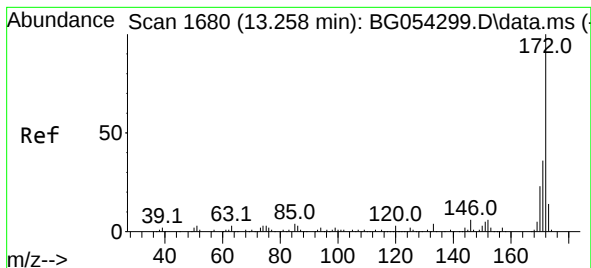
Tgt Ion:164 Resp: 45770
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 44.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 135.260 ng
RT: 16.107 min Scan# 2233
Delta R.T. -0.009 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion:330 Resp: 129985
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.8 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 84.358 ng

RT: 13.228 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG054602.D

Acq: 11 Aug 2022 13:04

Instrument :

BNA_G

ClientSampleId :

MW-23R

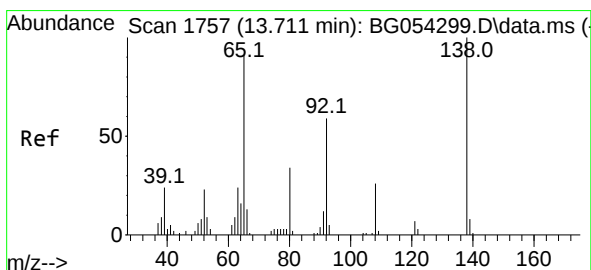
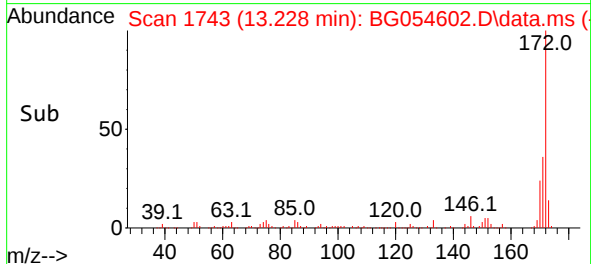
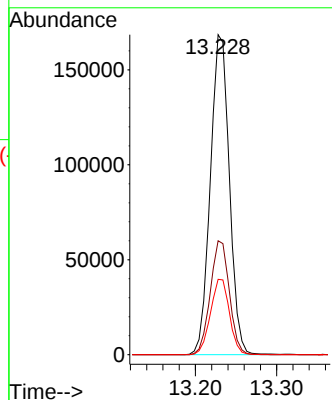
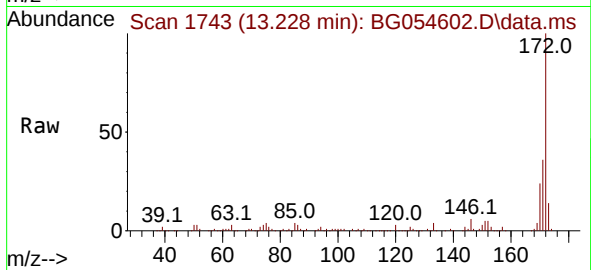
Tgt Ion:172 Resp: 273699

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.6 18.9 28.3



#48

2-Nitroaniline

Concen: 7.042 ng

RT: 13.469 min Scan# 1784

Delta R.T. -0.232 min

Lab File: BG054602.D

Acq: 11 Aug 2022 13:04

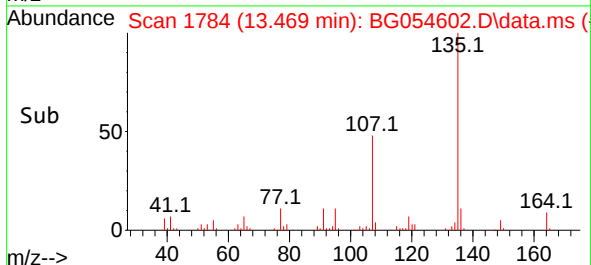
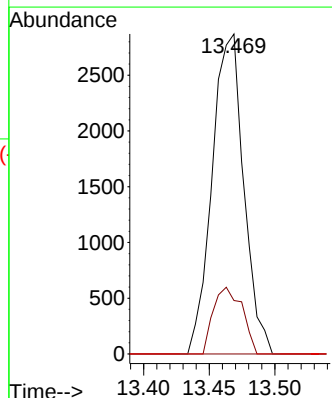
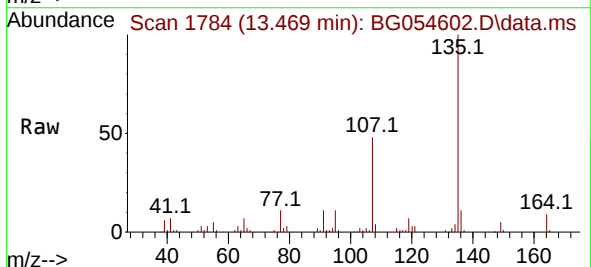
Tgt Ion: 65 Resp: 4816

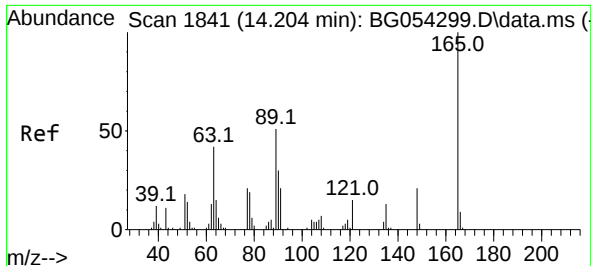
Ion Ratio Lower Upper

65 100

92 16.7 51.5 77.3#

138 0.0 71.3 106.9#





#51

2,6-Dinitrotoluene

Concen: 7.778 ng

RT: 14.609 min Scan# 1978

Delta R.T. 0.414 min

Lab File: BG054602.D

Acq: 11 Aug 2022 13:04

Instrument :

BNA_G

ClientSampleId :

MW-23R

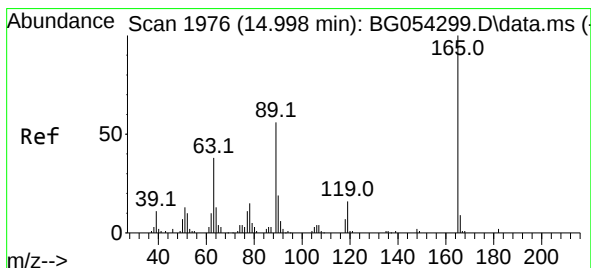
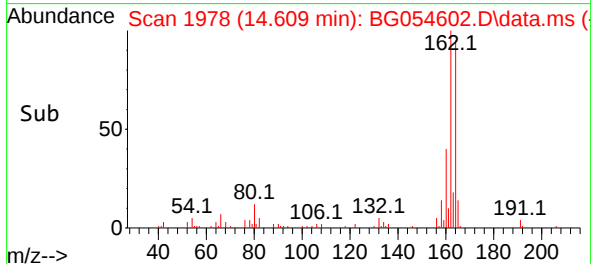
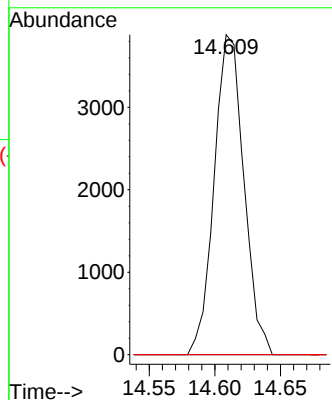
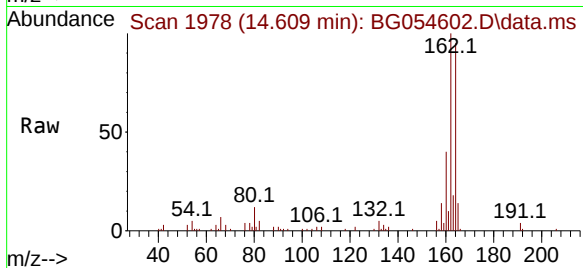
Tgt Ion:165 Resp: 6099

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: 5.425 ng

RT: 14.609 min Scan# 1978

Delta R.T. -0.385 min

Lab File: BG054602.D

Acq: 11 Aug 2022 13:04

Tgt Ion:165 Resp: 6099

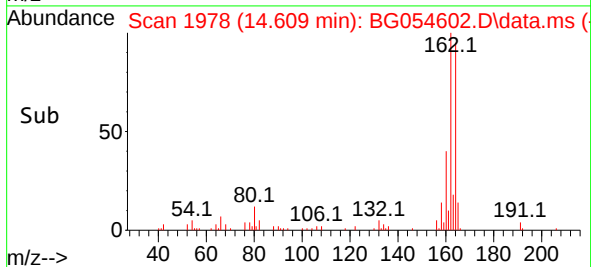
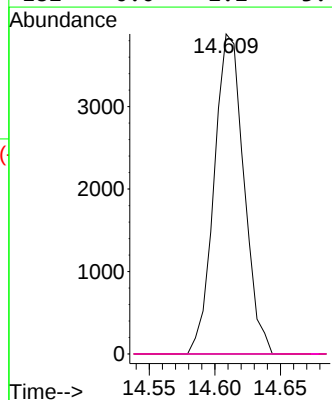
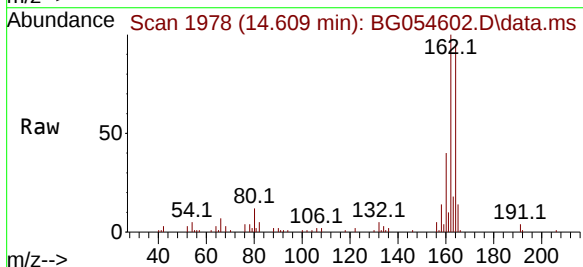
Ion Ratio Lower Upper

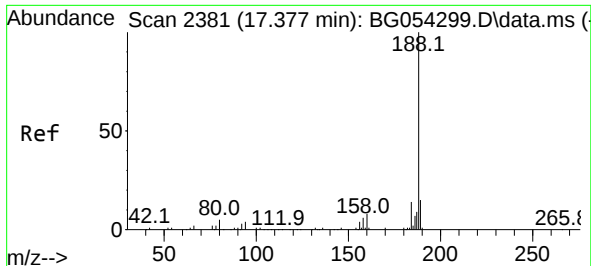
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

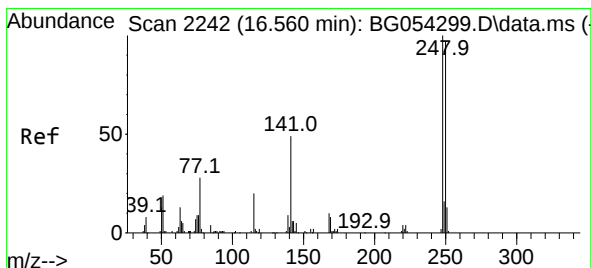
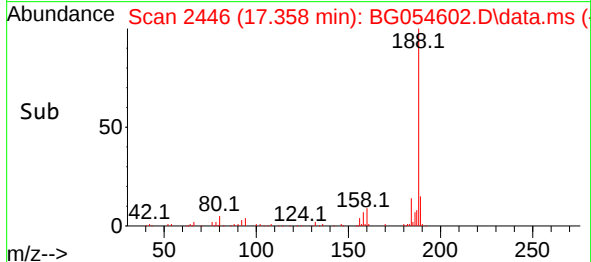
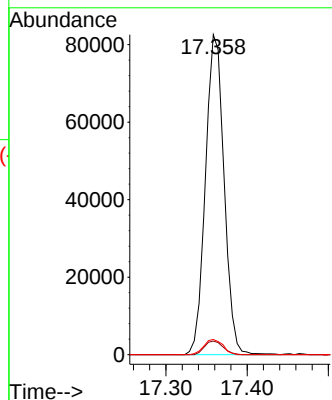
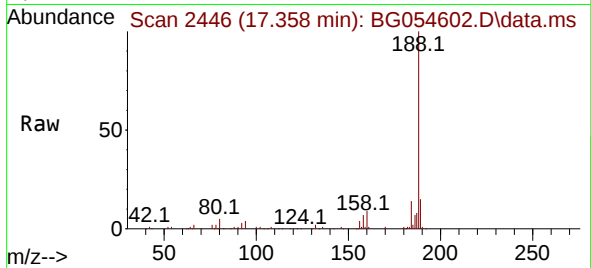




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.358 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

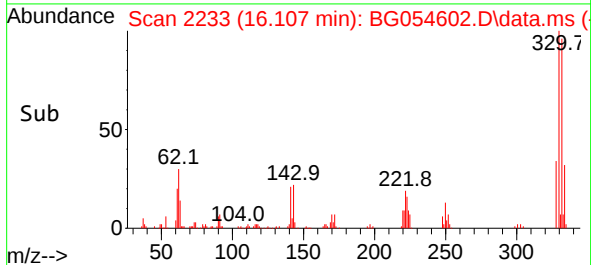
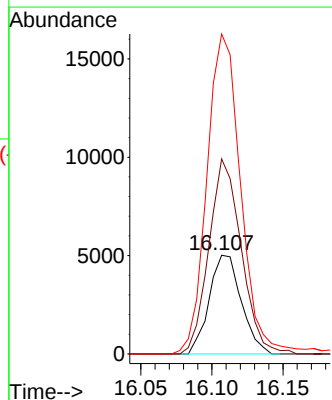
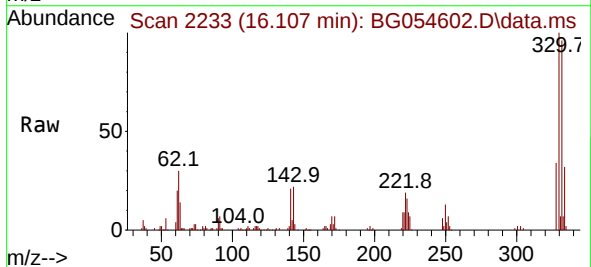
Instrument :
BNA_G
ClientSampleId :
MW-23R

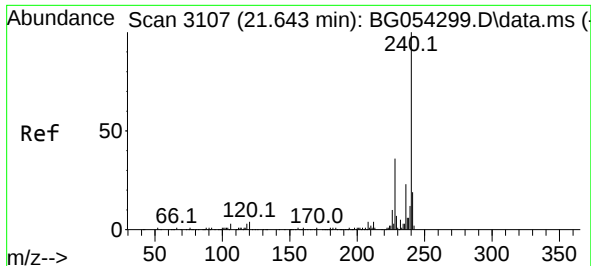
Tgt Ion:188 Resp: 131384
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.274 ng
RT: 16.107 min Scan# 2233
Delta R.T. -0.438 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion:248 Resp: 7886
Ion Ratio Lower Upper
248 100
250 191.9 75.2 112.8#
141 244.6 50.0 75.0#

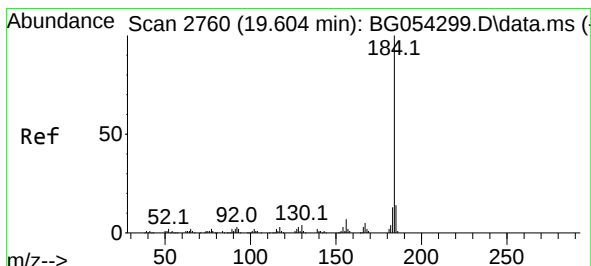
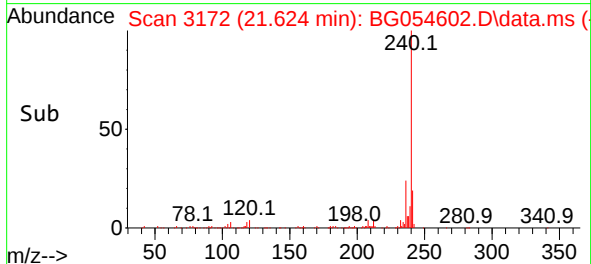
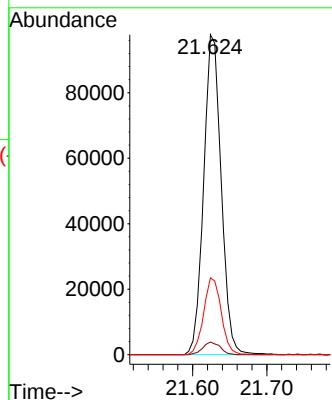
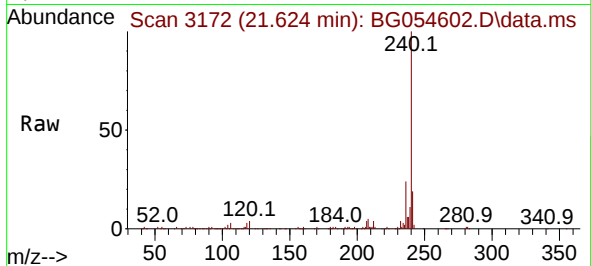




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3107
Delta R.T. -0.009 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

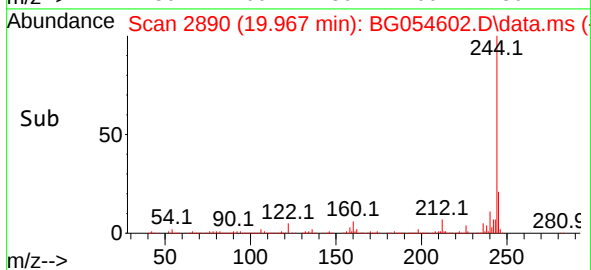
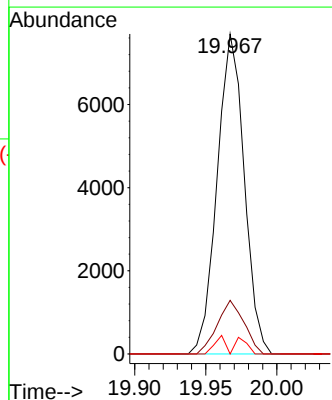
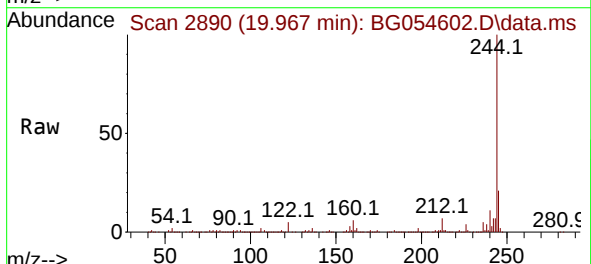
Instrument :
BNA_G
ClientSampleId :
MW-23R

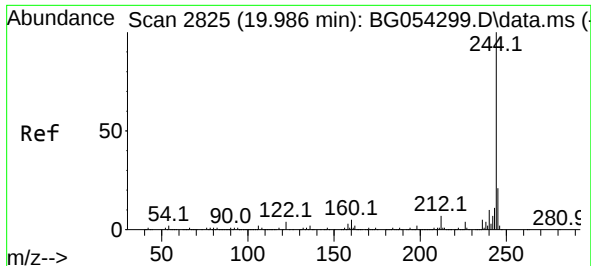
Tgt Ion:240 Resp: 160762
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.0 20.2 30.4



#77
Benzidine
Concen: 3.498 ng
RT: 19.967 min Scan# 2890
Delta R.T. 0.373 min
Lab File: BG054602.D
Acq: 11 Aug 2022 13:04

Tgt Ion:184 Resp: 10184
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.6
183 0.0 8.9 13.3#

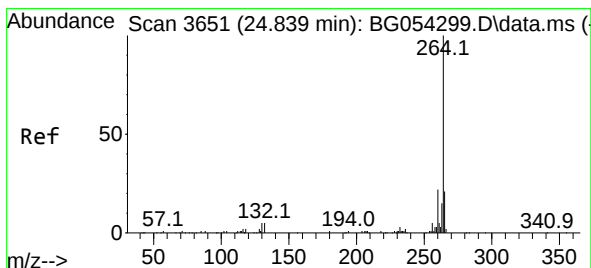
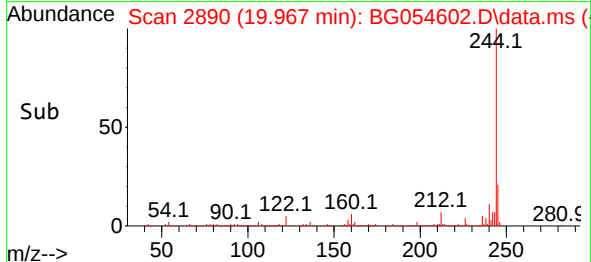
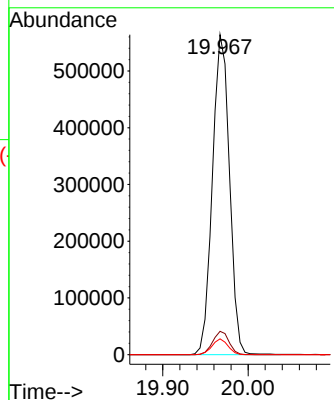
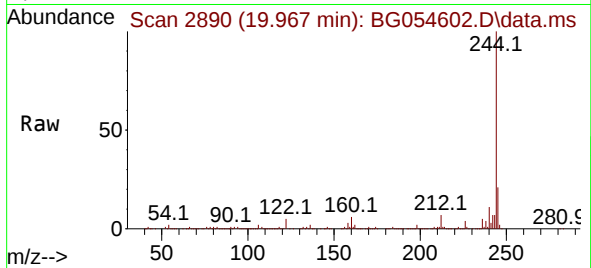




#79
 Terphenyl-d14
 Concen: 96.543 ng
 RT: 19.967 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG054602.D
 Acq: 11 Aug 2022 13:04

Instrument :
 BNA_G
 ClientSampleId :
 MW-23R

Tgt Ion:244 Resp: 782358
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 5.0 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.826 min Scan# 3717
 Delta R.T. -0.009 min
 Lab File: BG054602.D
 Acq: 11 Aug 2022 13:04

Tgt Ion:264 Resp: 167076
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.6
 265 20.9 17.4 26.2

