

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070722\
 Data File : BG054227.D
 Acq On : 7 Jul 2022 16:10
 Operator : CG/JU
 Sample : N3575-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Jul 07 17:10:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

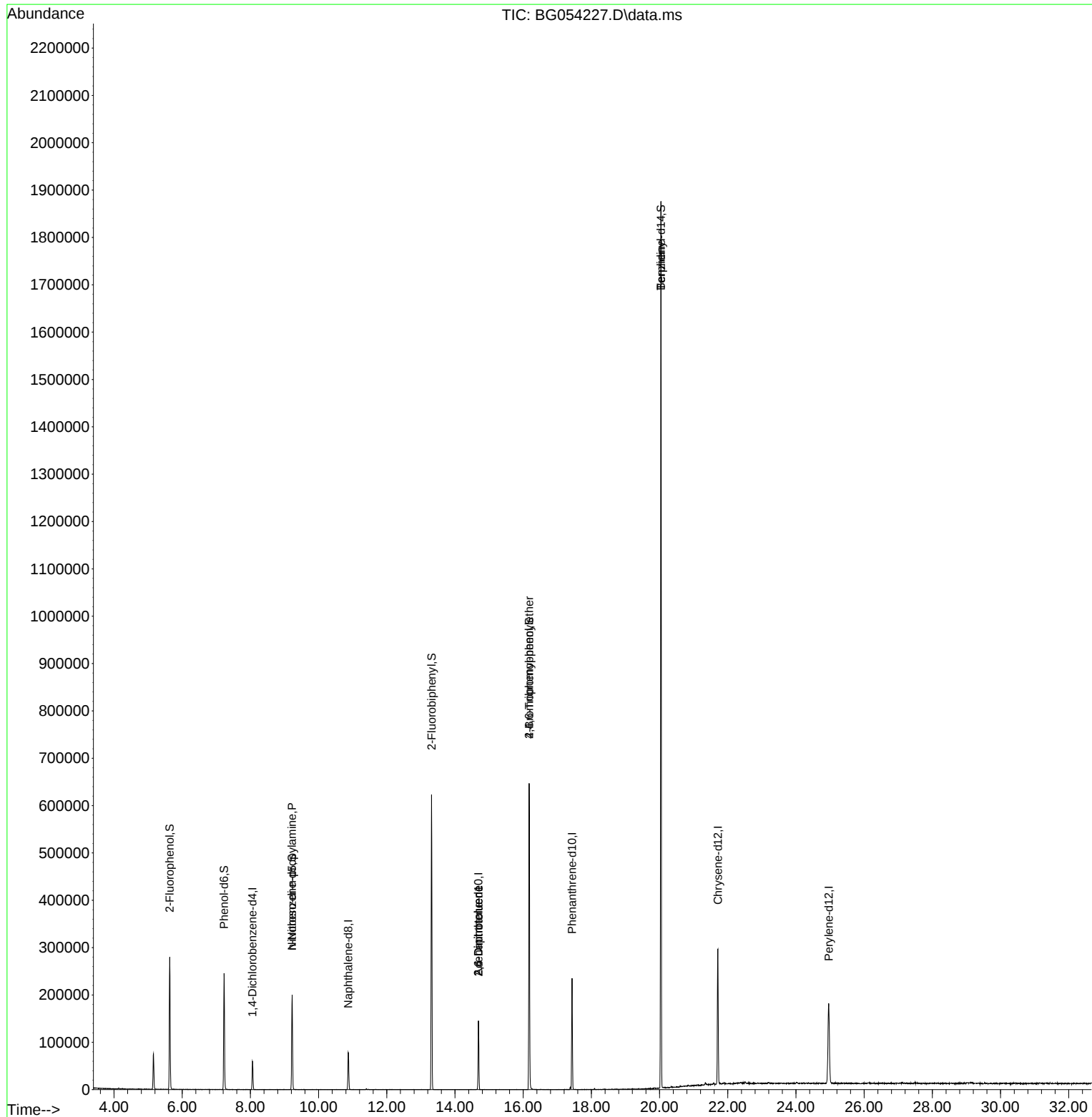
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.060	152	19320	20.000	ng	-0.01
21) Naphthalene-d8	10.868	136	73808	20.000	ng	-0.01
39) Acenaphthene-d10	14.687	164	57023	20.000	ng	-0.01
64) Phenanthrene-d10	17.431	188	169104	20.000	ng	#-0.01
76) Chrysene-d12	21.708	240	210149	20.000	ng	-0.01
86) Perylene-d12	24.963	264	212122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.633	112	128430	127.095	ng	0.00
7) Phenol-d6	7.225	99	149363	108.958	ng	0.00
23) Nitrobenzene-d5	9.223	82	128624	97.932	ng	-0.01
42) 2,4,6-Tribromophenol	16.174	330	166390	181.614	ng	-0.01
45) 2-Fluorobiphenyl	13.312	172	364680	92.996	ng	-0.01
79) Terphenyl-d14	20.040	244	1052922	100.913	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.223	70	17664	19.180	ng	# 81
51) 2,6-Dinitrotoluene	14.687	165	7741	8.822	ng	# 16
57) 2,4-Dinitrotoluene	14.687	165	7741	6.247	ng	# 21
67) 4-Bromophenyl-phenylether	16.174	248	10037	4.752	ng	# 1
77) Benzidine	20.040	184	13373	3.073	ng	# 90

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

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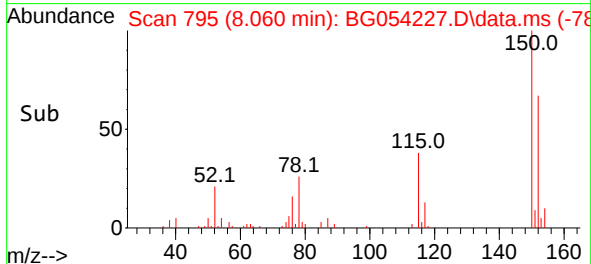
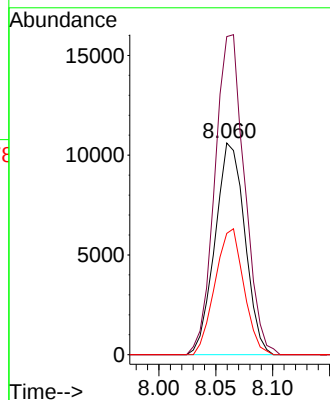
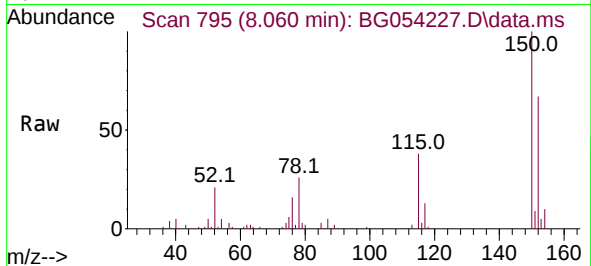




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.060 min Scan# 71
Delta R.T. -0.010 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

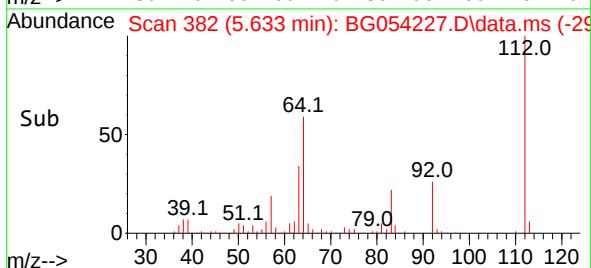
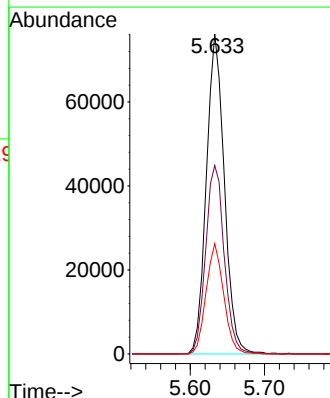
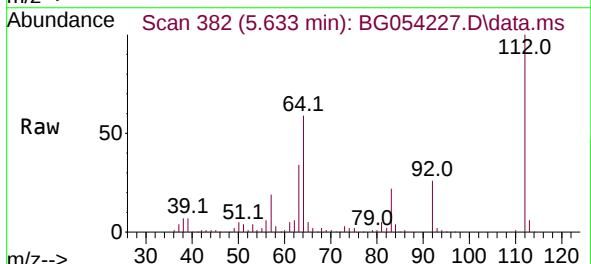
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:152 Resp: 19320
Ion Ratio Lower Upper
152 100
150 150.3 131.6 197.4
115 57.3 50.9 76.3



#5
2-Fluorophenol
Concen: 127.095 ng
RT: 5.633 min Scan# 382
Delta R.T. -0.005 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Tgt Ion:112 Resp: 128430
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 34.4 30.4 45.6

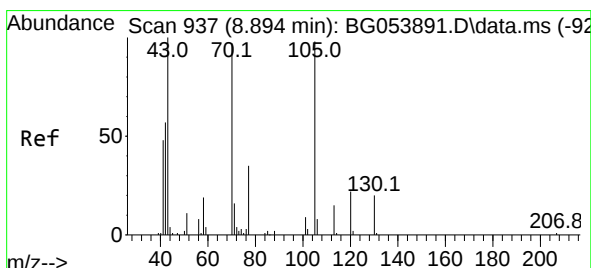
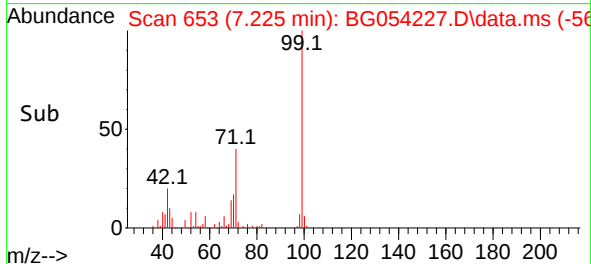
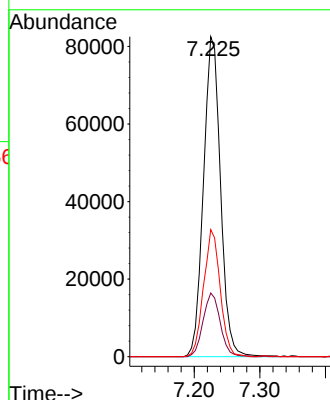
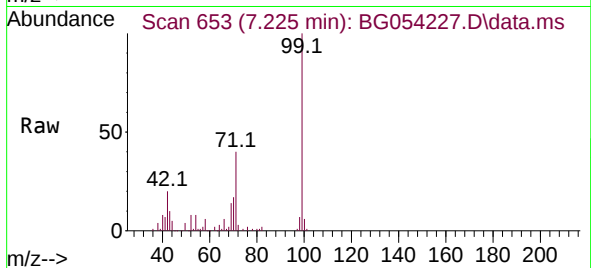




#7
Phenol-d6
Concen: 108.958 ng
RT: 7.225 min Scan# 611
Delta R.T. -0.005 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

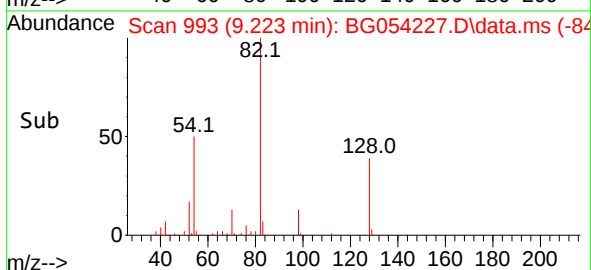
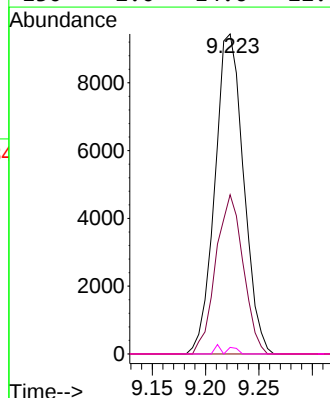
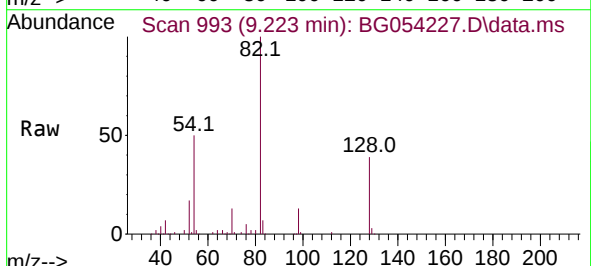
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion: 99 Resp: 149363
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.6
71 39.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.180 ng
RT: 9.223 min Scan# 993
Delta R.T. 0.348 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Tgt Ion: 70 Resp: 17664
Ion Ratio Lower Upper
70 100
42 49.8 47.3 70.9
101 0.0 7.0 10.4#
130 2.0 14.6 22.0#

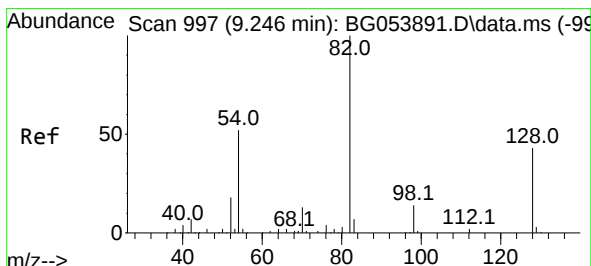
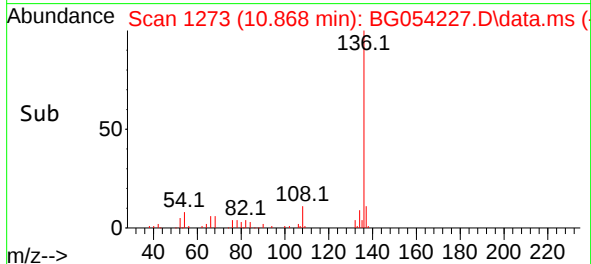
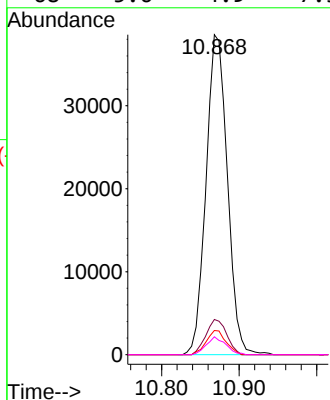
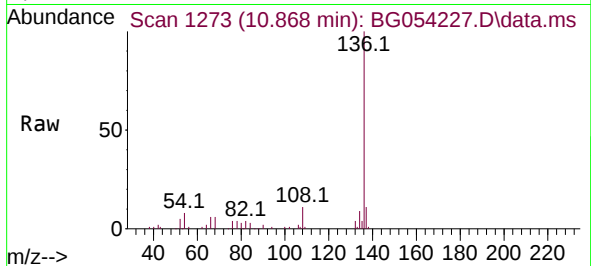




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.868 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

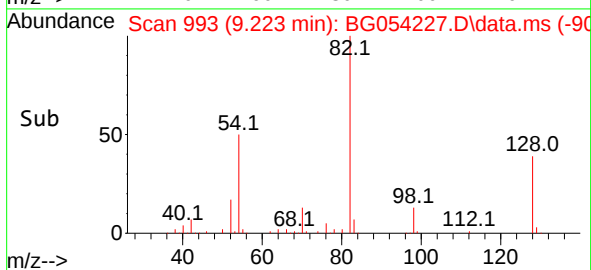
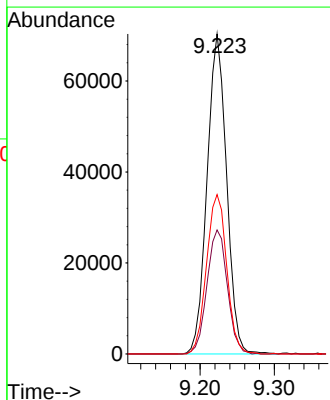
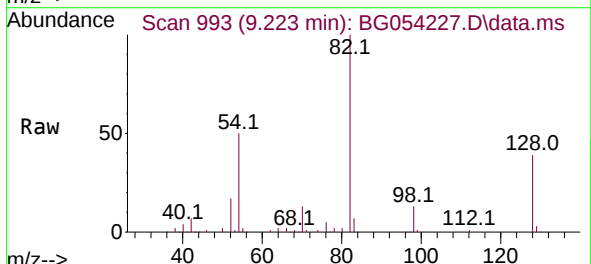
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:	136	Resp:	73808
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.5	7.4	11.2
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 97.932 ng
RT: 9.223 min Scan# 993
Delta R.T. -0.011 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Tgt Ion:	82	Resp:	128624
Ion Ratio	Lower	Upper	
82	100		
128	38.7	27.9	41.9
54	49.8	41.2	61.8

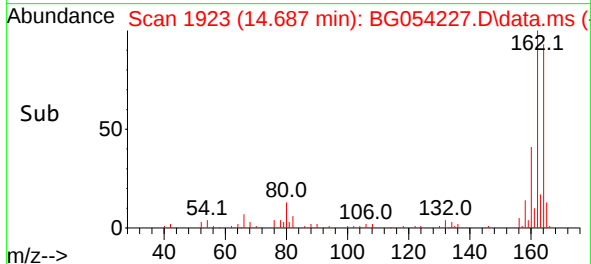
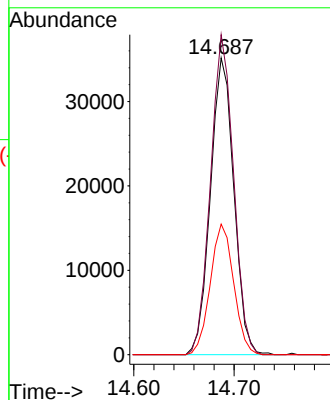
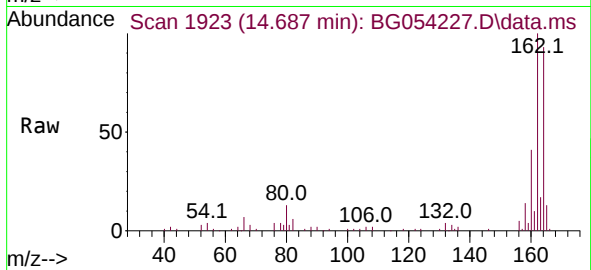




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.687 min Scan# 1923
Delta R.T. -0.011 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

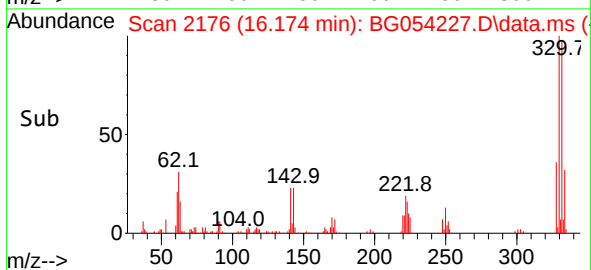
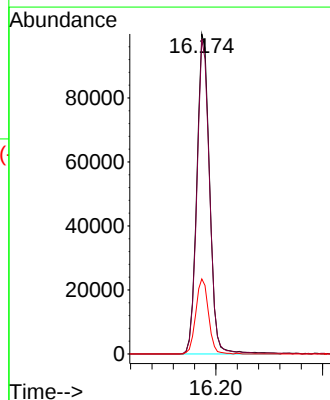
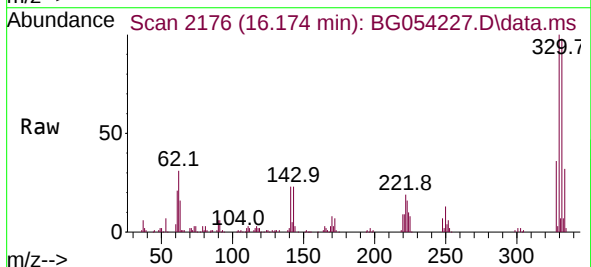
Instrument :
BNA_G
ClientSampleId :
WC-4

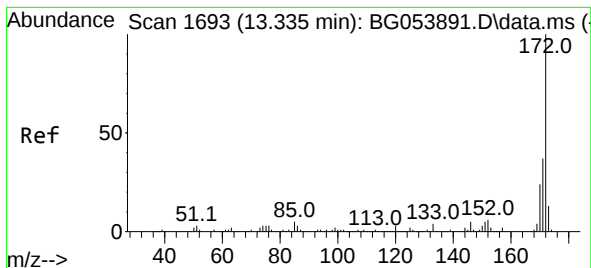
Tgt Ion:164 Resp: 57023
Ion Ratio Lower Upper
164 100
162 107.8 82.3 123.5
160 44.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 181.614 ng
RT: 16.174 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Tgt Ion:330 Resp: 166390
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 23.2 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 92.996 ng

RT: 13.312 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

Instrument :

BNA_G

ClientSampleId :

WC-4

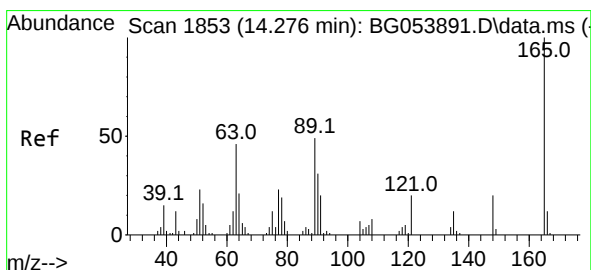
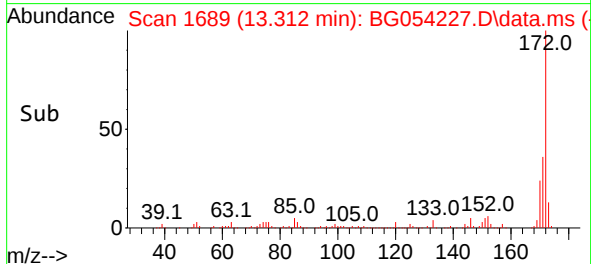
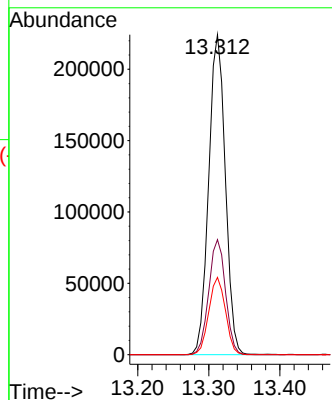
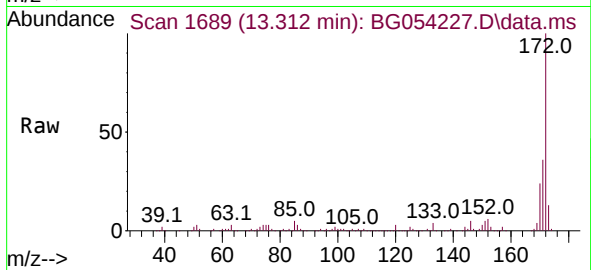
Tgt Ion:172 Resp: 364680

Ion Ratio Lower Upper

172 100

171 36.0 28.5 42.7

170 24.2 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.822 ng

RT: 14.687 min Scan# 1923

Delta R.T. 0.424 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

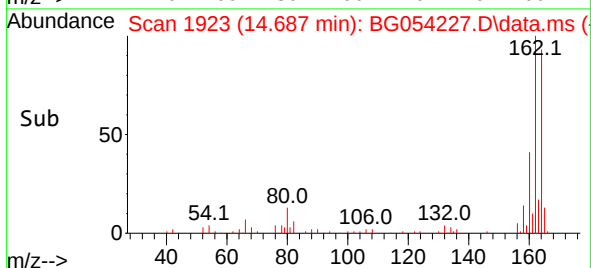
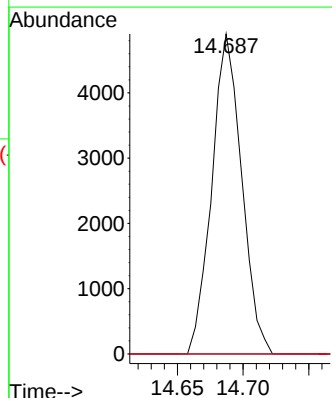
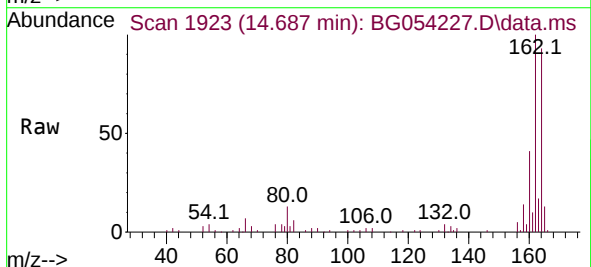
Tgt Ion:165 Resp: 7741

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: 6.247 ng

RT: 14.687 min Scan# 1987

Delta R.T. -0.363 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion:165 Resp: 7741

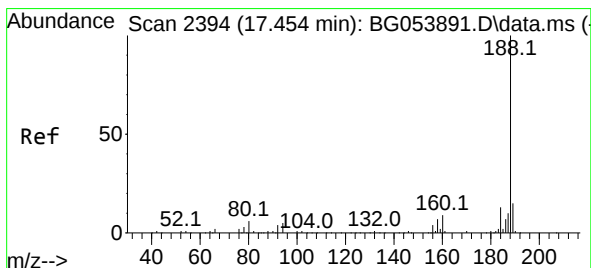
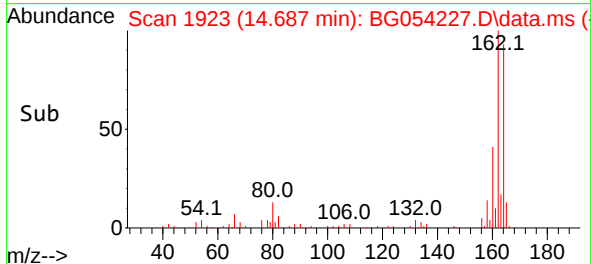
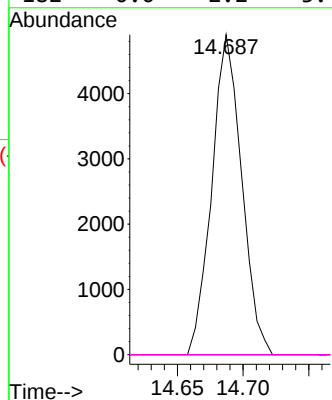
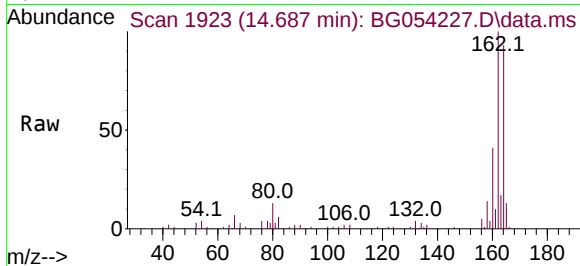
Ion Ratio Lower Upper

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: 17.431 min Scan# 2390

Delta R.T. -0.011 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

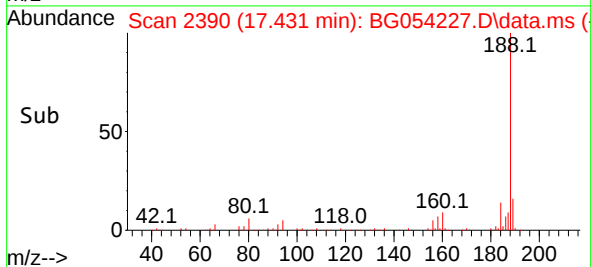
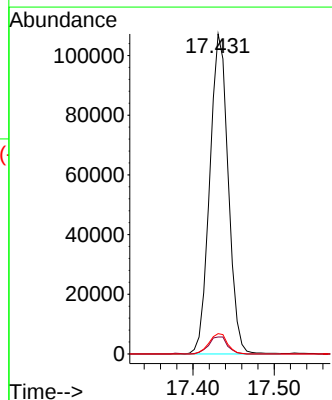
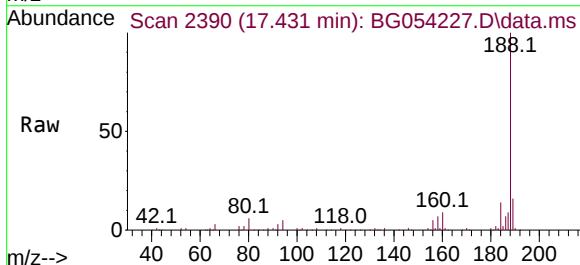
Tgt Ion:188 Resp: 169104

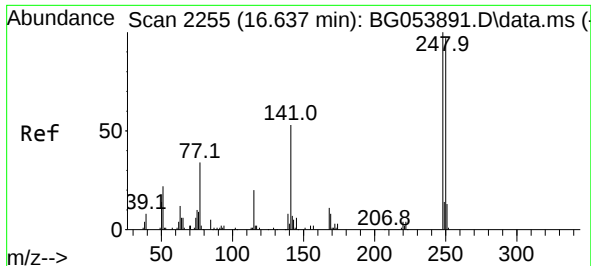
Ion Ratio Lower Upper

188 100

94 5.3 5.4 8.0#

80 6.4 6.8 10.2#





#67

4-Bromophenyl-phenylether

Concen: 4.752 ng

RT: 16.174 min Scan# 2118

Delta R.T. -0.452 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

Instrument :

BNA_G

ClientSampleId :

WC-4

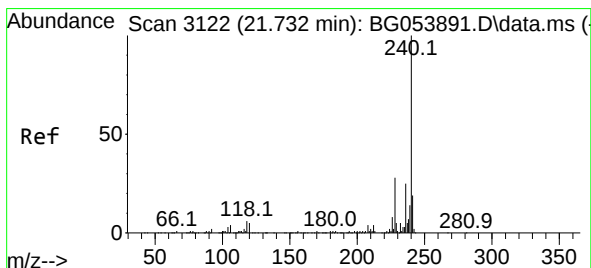
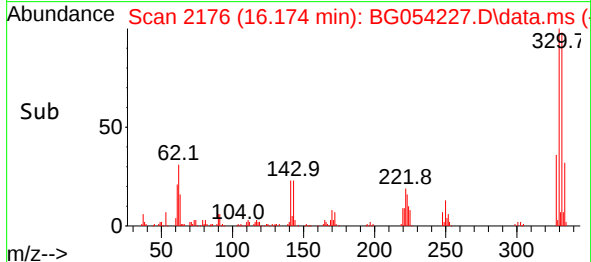
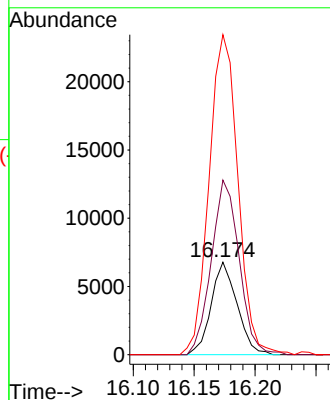
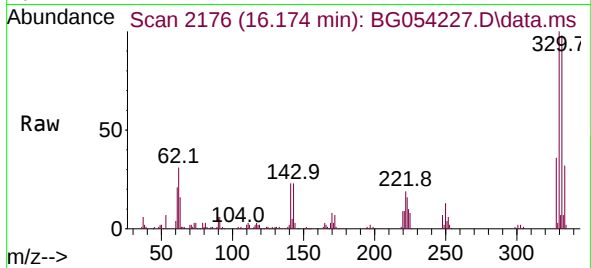
Tgt Ion:248 Resp: 10037

Ion Ratio Lower Upper

248 100

250 188.8 75.2 112.8#

141 346.0 50.0 75.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.708 min Scan# 3118

Delta R.T. -0.011 min

Lab File: BG054227.D

Acq: 7 Jul 2022 16:10

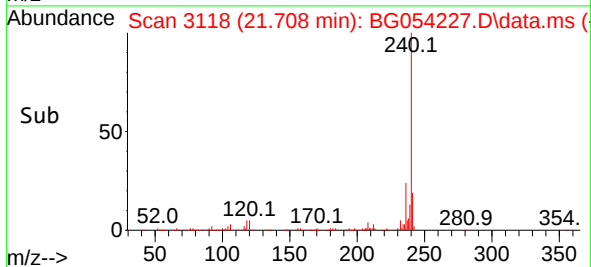
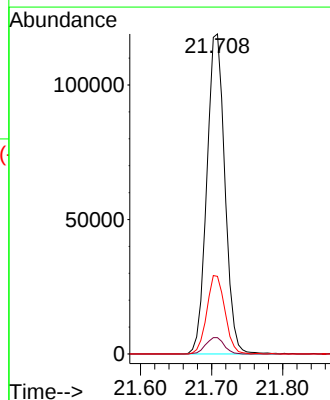
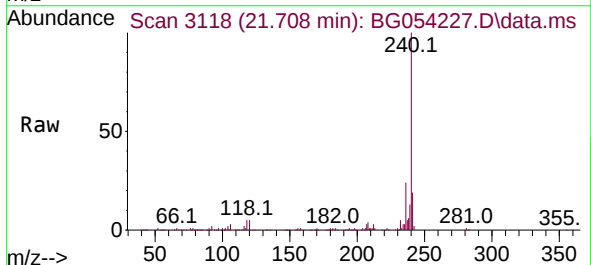
Tgt Ion:240 Resp: 210149

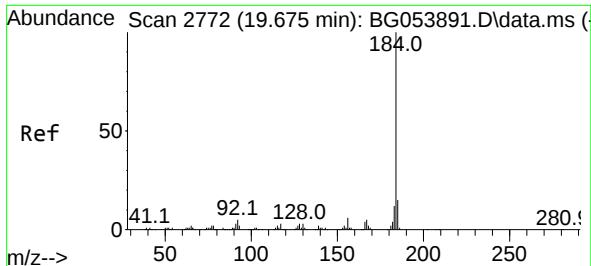
Ion Ratio Lower Upper

240 100

120 5.1 4.6 7.0

236 24.2 20.2 30.4

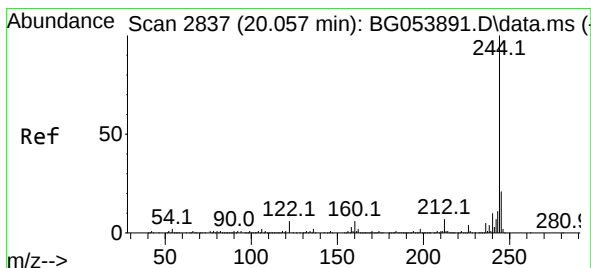
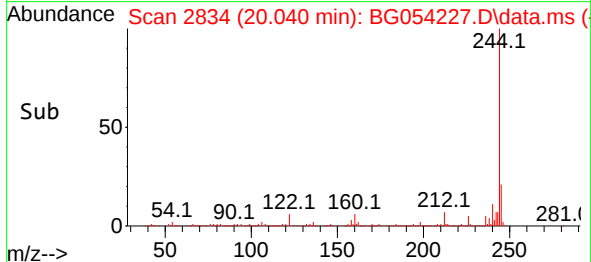
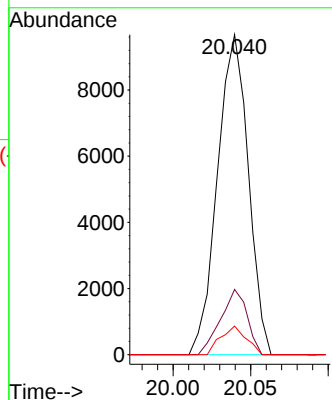
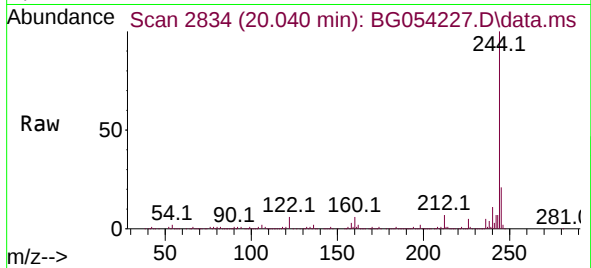




#77
Benzidine
Concen: 3.073 ng
RT: 20.040 min Scan# 2834
Delta R.T. 0.377 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

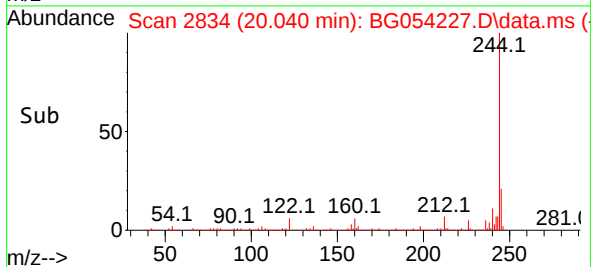
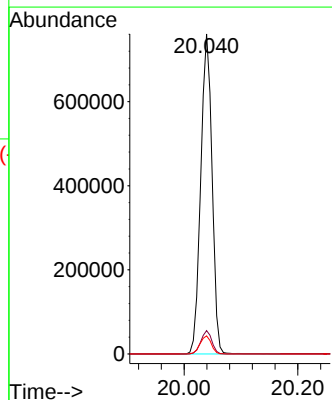
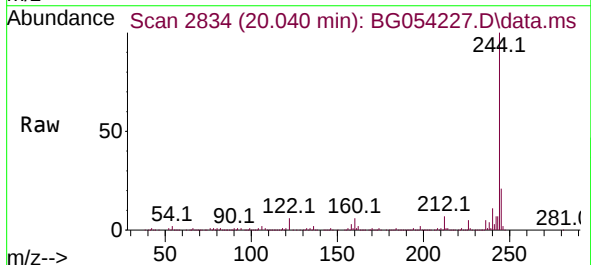
Instrument :
BNA_G
ClientSampleId :
WC-4

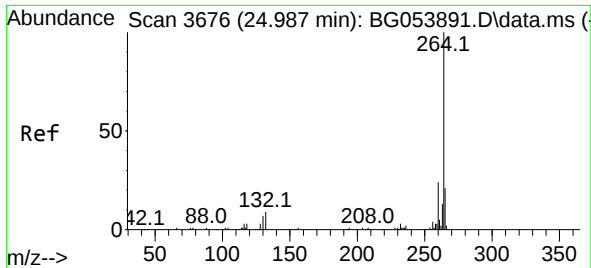
Tgt Ion:184 Resp: 13373
Ion Ratio Lower Upper
184 100
185 20.4 11.8 17.6#
183 9.0 8.9 13.3



#79
Terphenyl-d14
Concen: 100.913 ng
RT: 20.040 min Scan# 2834
Delta R.T. -0.005 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Tgt Ion:244 Resp: 1052922
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 5.7 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.963 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG054227.D
Acq: 7 Jul 2022 16:10

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:264 Resp: 212122

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.6
265	21.1	17.4	26.2

