

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060094.D
 Acq On : 19 Dec 2023 20:50
 Operator : MA/JU
 Sample : 05829-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2DL

Quant Time: Dec 20 00:46:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

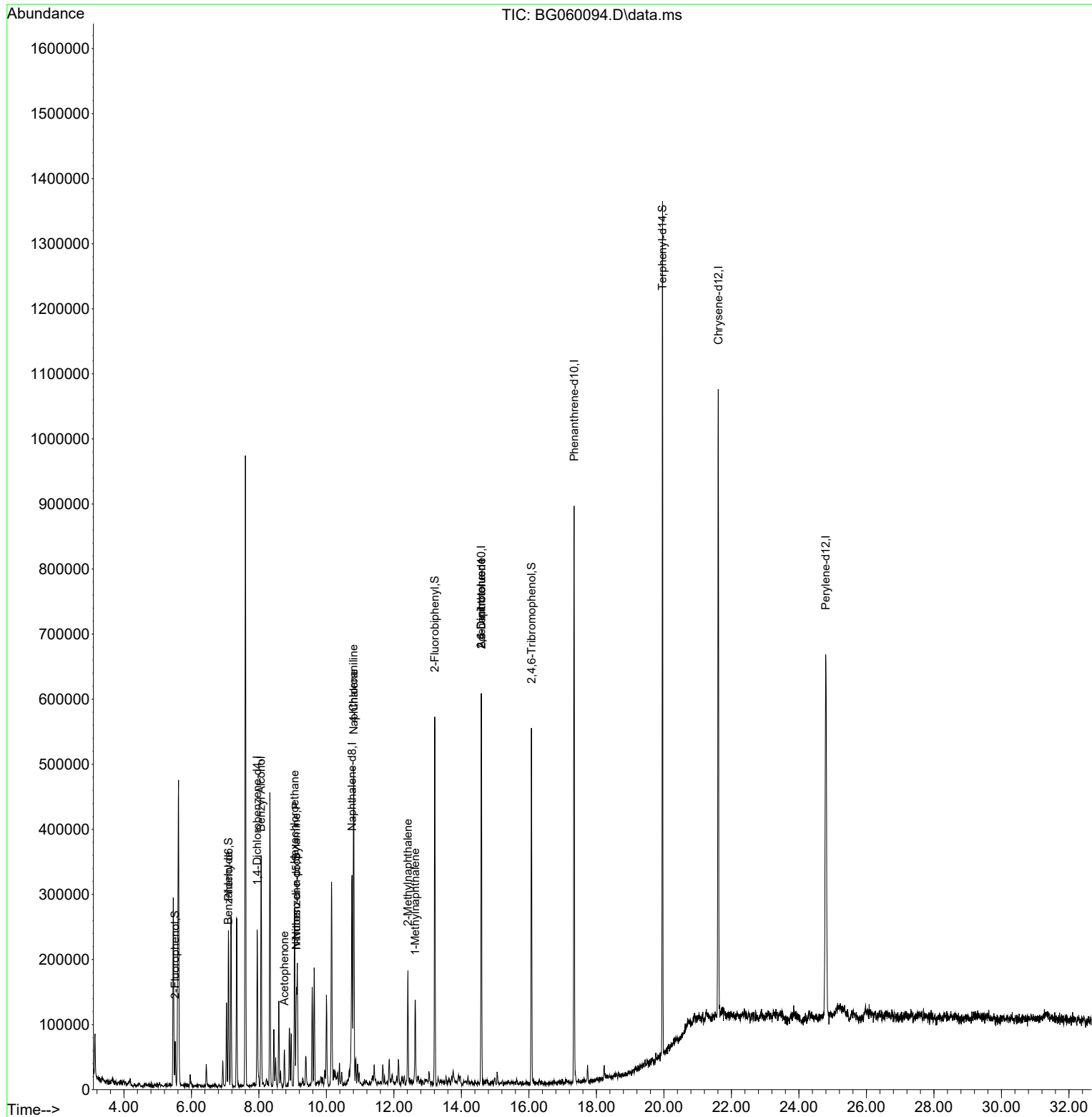
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	60592	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	229447	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	219432	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	616758	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	650528	20.000	ng	# 0.00
86) Perylene-d12	24.794	264	745179	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	22674	6.406	ng	0.00
7) Phenol-d6	7.103	99	19595	3.936	ng	0.00
23) Nitrobenzene-d5	9.107	82	81070	16.044	ng	-0.02
42) 2,4,6-Tribromophenol	16.075	330	135717	26.539	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	312556	17.433	ng	0.00
79) Terphenyl-d14	19.959	244	750468	21.062	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.092	77	17163	5.669	ng	# 1
15) Benzyl Alcohol	8.061	79	21502	5.373	ng	# 16
18) Hexachloroethane	9.060	117	32920	23.283	ng	# 1
19) n-Nitroso-di-n-propyla...	9.107	70	11404	3.550	ng	# 80
22) Acetophenone	8.754	105	31213	4.668	ng	# 60
31) Naphthalene	10.811	128	310225	25.972	ng	98
33) 4-Chloroaniline	10.805	127	43102	9.484	ng	# 32
37) 2-Methylnaphthalene	12.415	142	73148	7.808	ng	92
38) 1-Methylnaphthalene	12.632	142	46806	5.058	ng	86
51) 2,6-Dinitrotoluene	14.589	165	28305	8.022	ng	# 26
57) 2,4-Dinitrotoluene	14.589	165	28305	5.707	ng	# 29
69) Atrazine	16.751	200	76	Below Cal		# 34

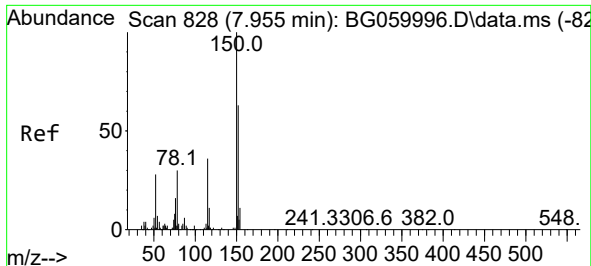
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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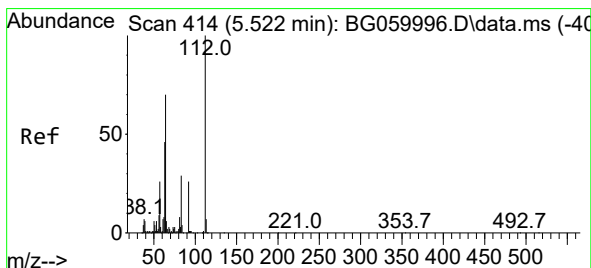
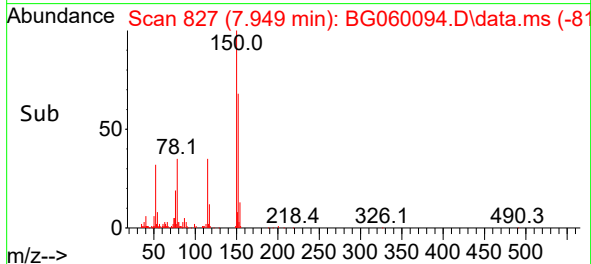
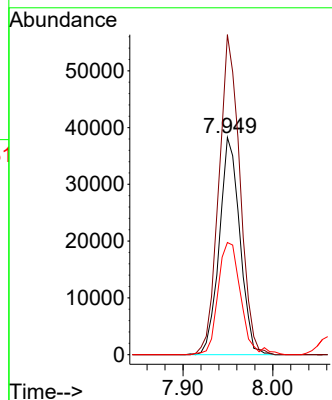
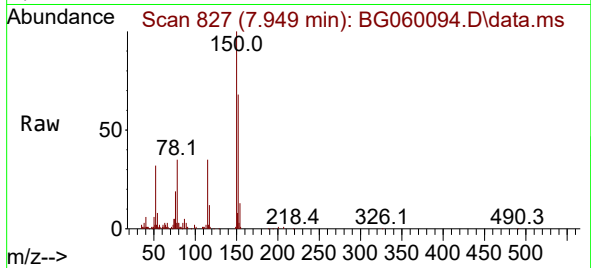




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

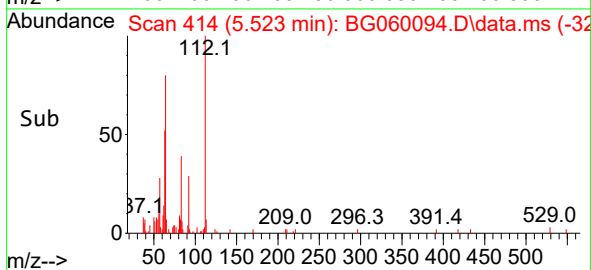
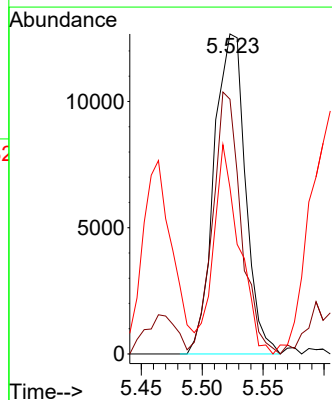
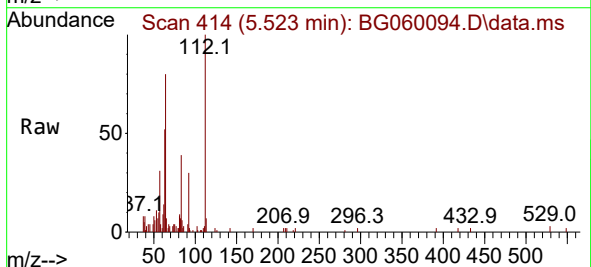
Instrument :
BNA_G
ClientSampleId :
MW-2DL

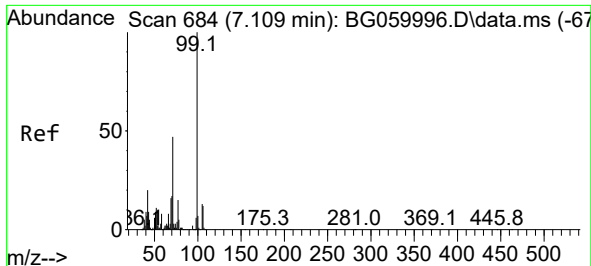
Tgt Ion:152 Resp: 60592
Ion Ratio Lower Upper
152 100
150 147.3 127.0 190.6
115 51.6 45.7 68.5



#5
2-Fluorophenol
Concen: 6.406 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.003 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion:112 Resp: 22674
Ion Ratio Lower Upper
112 100
64 79.6 55.9 83.9
63 52.0 36.5 54.7

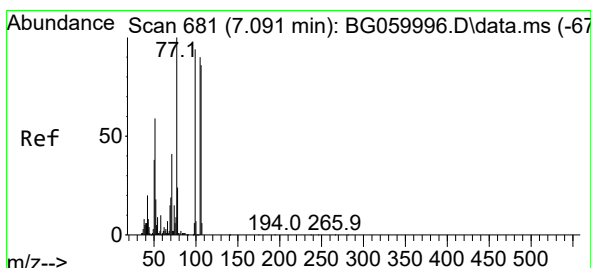
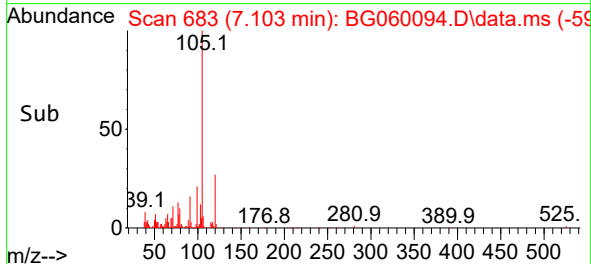
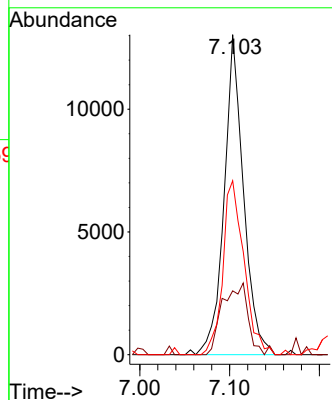
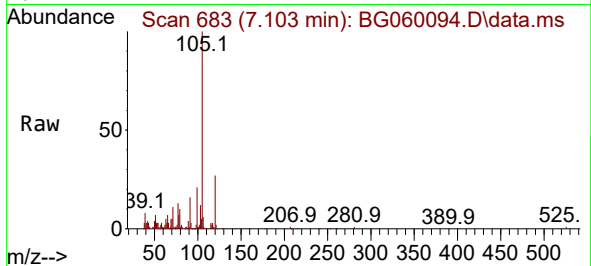




#7
Phenol-d6
Concen: 3.936 ng
RT: 7.103 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

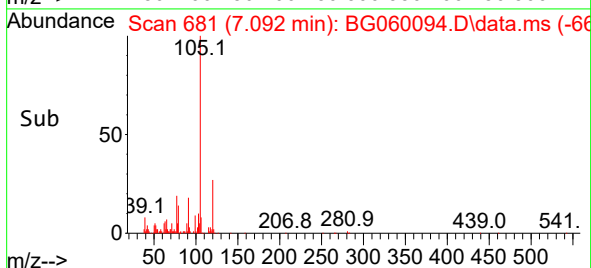
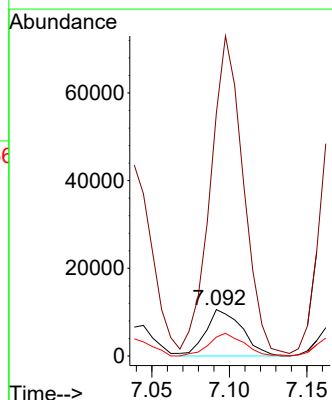
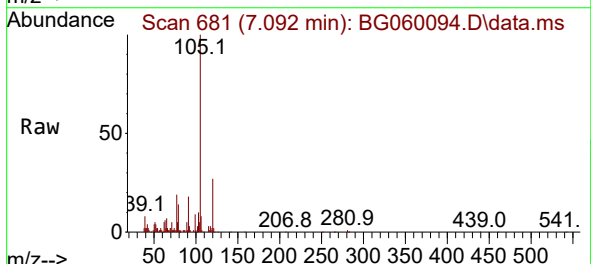
Instrument :
BNA_G
ClientSampleId :
MW-2DL

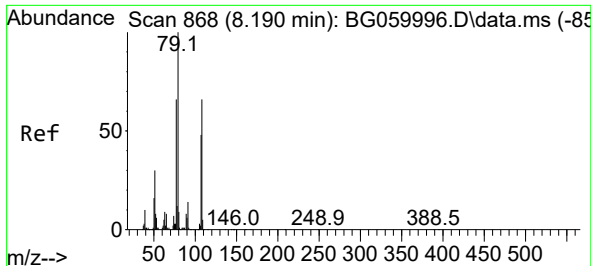
Tgt Ion: 99 Resp: 19595
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.4
71 54.4 37.6 56.4



#9
Benzaldehyde
Concen: 5.669 ng
RT: 7.092 min Scan# 681
Delta R.T. -0.003 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 77 Resp: 17163
Ion Ratio Lower Upper
77 100
105 522.5 70.5 110.5#
106 40.8 66.0 106.0#

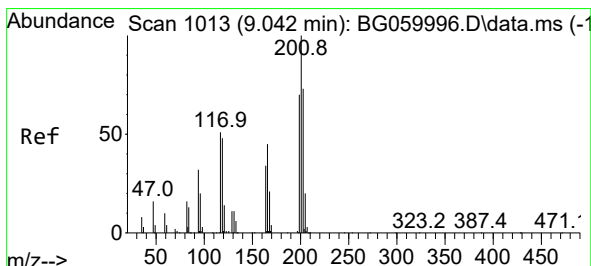
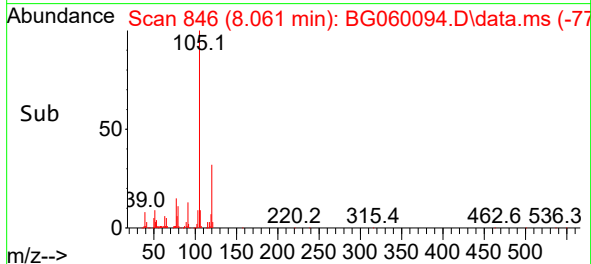
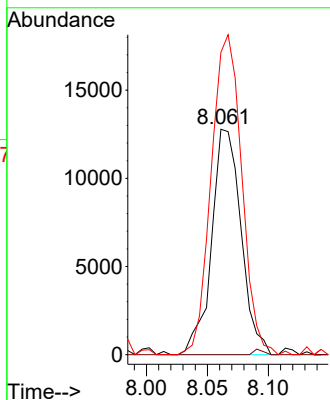
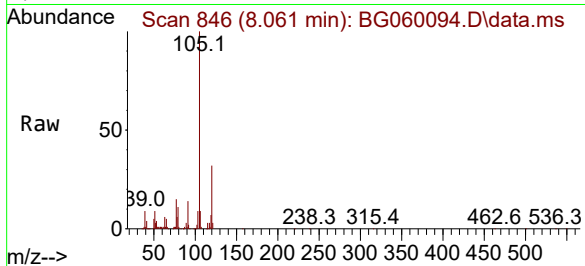




#15
Benzyl Alcohol
Concen: 5.373 ng
RT: 8.061 min Scan# 84
Delta R.T. -0.133 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

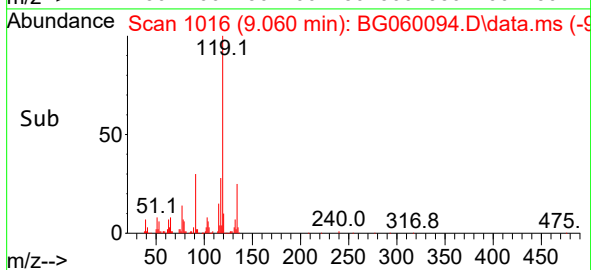
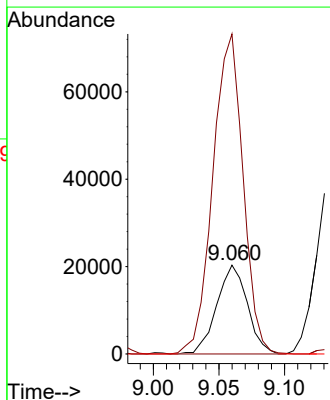
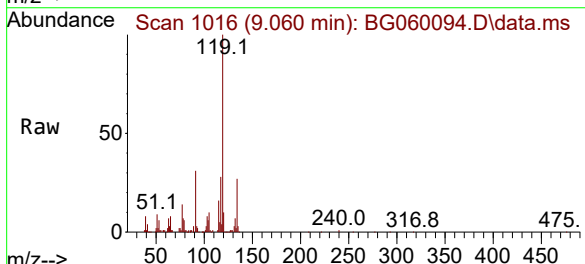
Instrument :
BNA_G
ClientSampleId :
MW-2DL

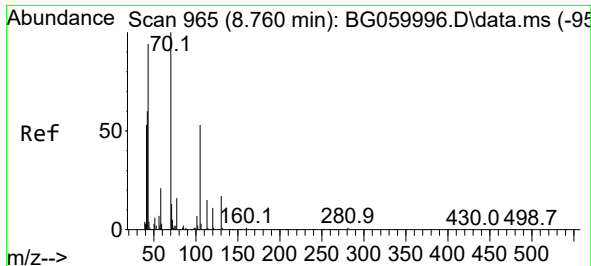
Tgt Ion: 79 Resp: 21502
Ion Ratio Lower Upper
79 100
108 0.0 53.1 79.7#
77 134.1 52.8 79.2#



#18
Hexachloroethane
Concen: 23.283 ng
RT: 9.060 min Scan# 1016
Delta R.T. 0.014 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 117 Resp: 32920
Ion Ratio Lower Upper
117 100
119 360.4 74.5 111.7#
201 0.0 156.5 234.7#

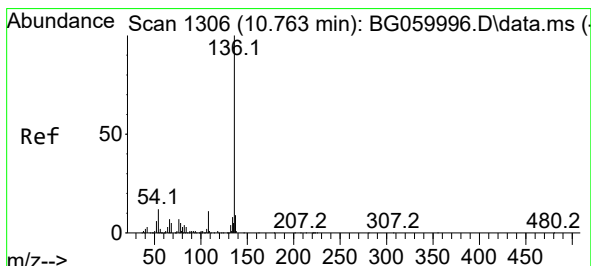
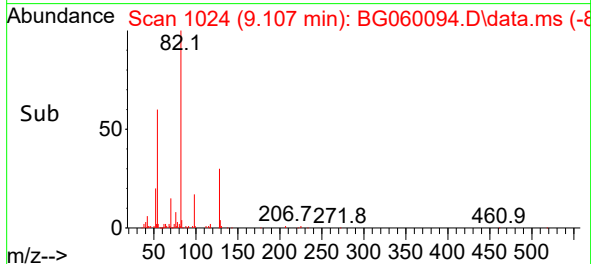
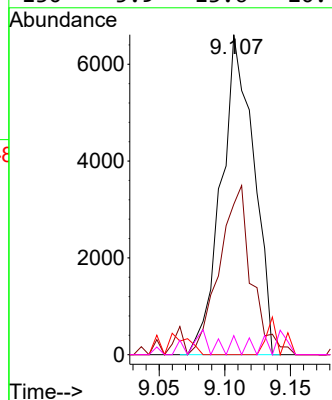
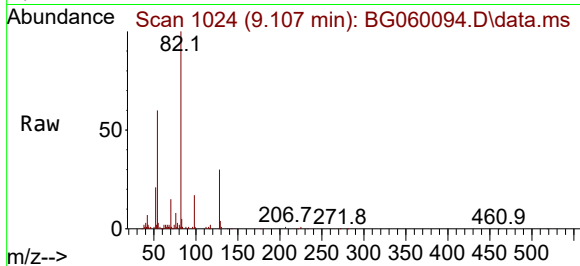




#19
n-Nitroso-di-n-propylamine
Concen: 3.550 ng
RT: 9.107 min Scan# 11404
Delta R.T. 0.343 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

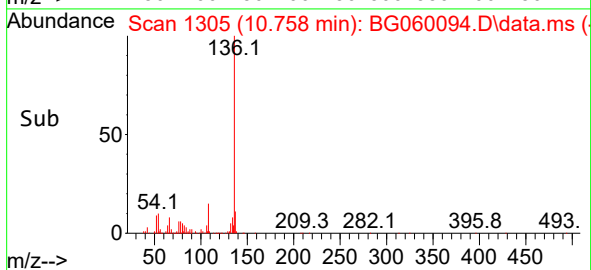
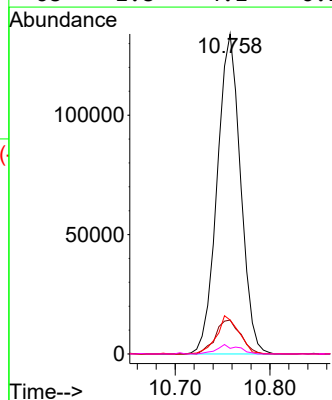
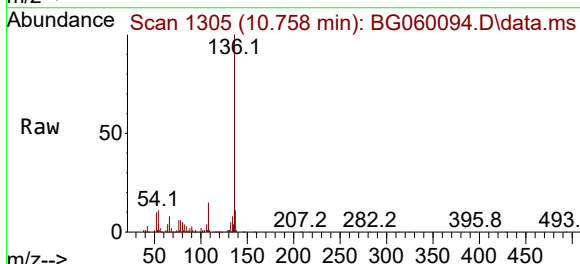
Instrument :
BNA_G
ClientSampleId :
MW-2DL

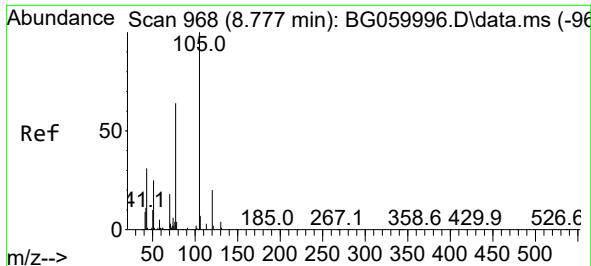
Tgt Ion: 70	Resp: 11404
Ion Ratio	Lower Upper
70	100
42	47.0 48.6 73.0#
101	0.0 5.7 8.5#
130	5.9 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.003 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 136	Resp: 229447
Ion Ratio	Lower Upper
136	100
137	10.6 7.3 10.9
54	10.6 9.6 14.4
68	1.8 4.1 6.1#

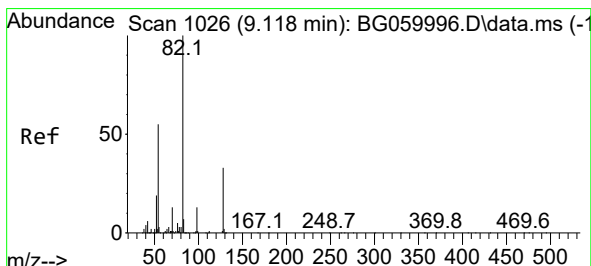
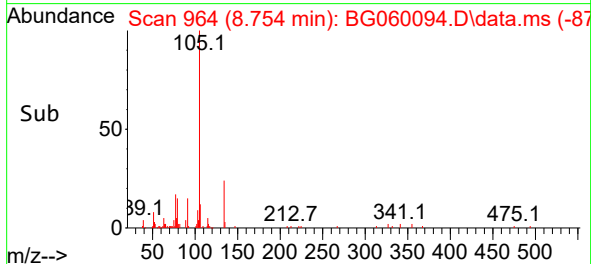
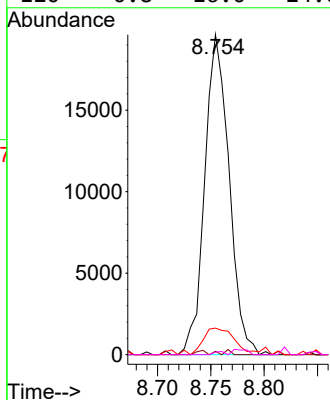
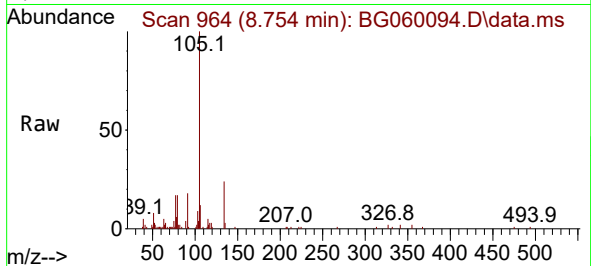




#22
Acetophenone
Concen: 4.668 ng
RT: 8.754 min Scan# 90
Delta R.T. -0.027 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

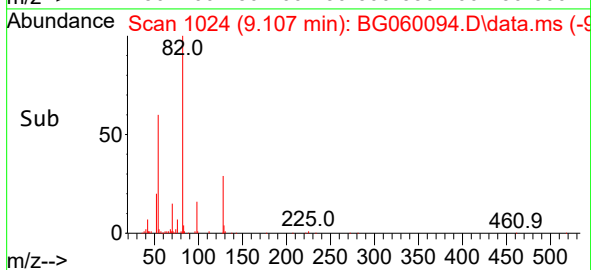
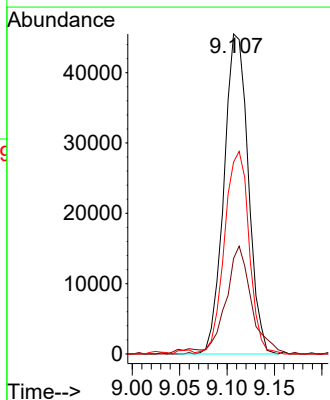
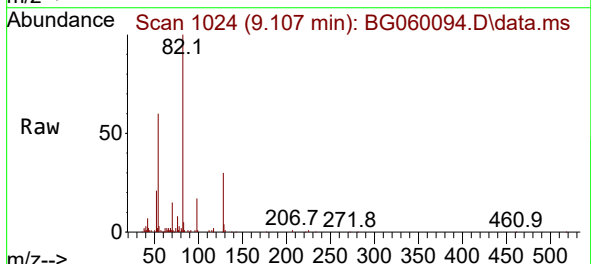
Instrument :
BNA_G
ClientSampleId :
MW-2DL

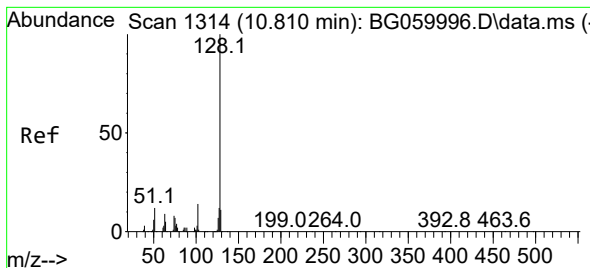
Tgt Ion:105	Resp:	31213
Ion Ratio	Lower	Upper
105	100	
71	1.1	2.1 3.1#
51	8.3	25.4 38.0#
120	0.8	16.0 24.0#



#23
Nitrobenzene-d5
Concen: 16.044 ng
RT: 9.107 min Scan# 1024
Delta R.T. -0.015 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 82	Resp:	81070
Ion Ratio	Lower	Upper
82	100	
128	29.8	26.3 39.5
54	59.9	44.3 66.5





#31

Naphthalene

Concen: 25.972 ng

RT: 10.811 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

Instrument :

BNA_G

ClientSampleId :

MW-2DL

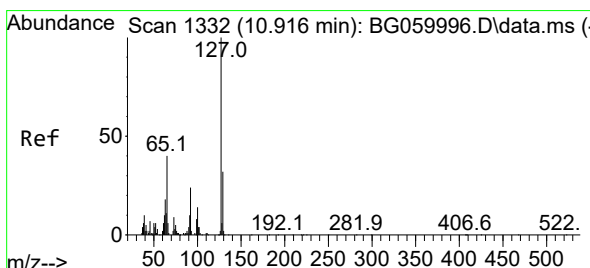
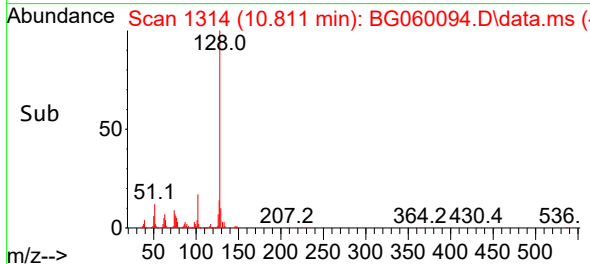
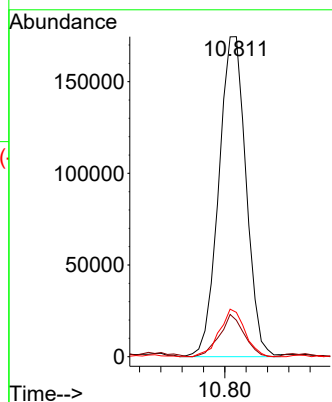
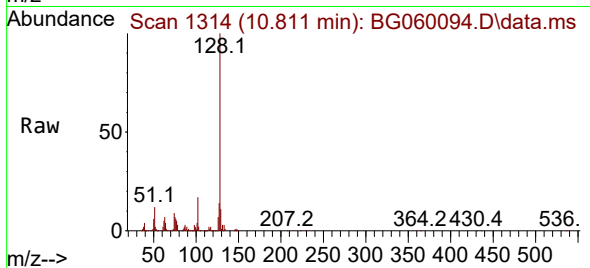
Tgt Ion:128 Resp: 310225

Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

127 13.9 9.7 14.5



#33

4-Chloroaniline

Concen: 9.484 ng

RT: 10.805 min Scan# 1313

Delta R.T. -0.109 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

Tgt Ion:127 Resp: 43102

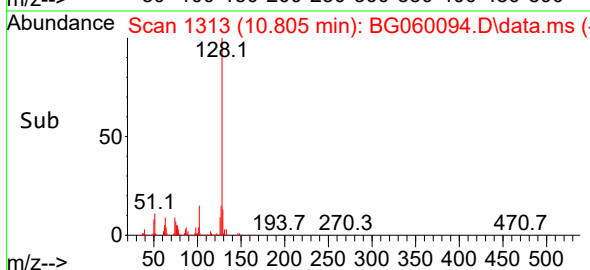
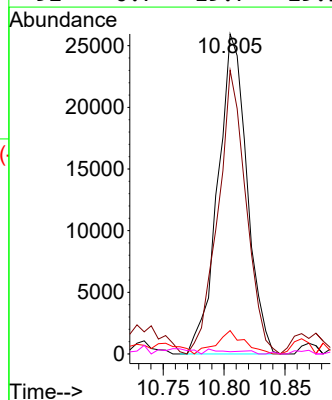
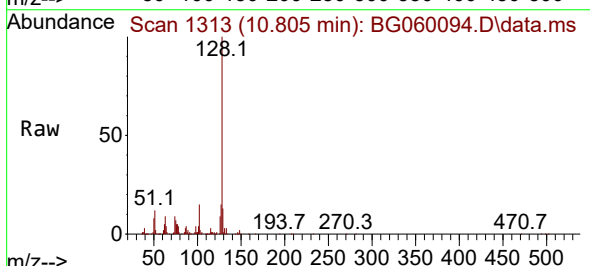
Ion Ratio Lower Upper

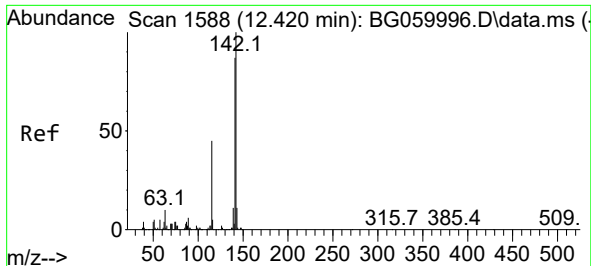
127 100

129 88.7 25.7 38.5#

65 7.3 32.3 48.5#

92 0.7 19.7 29.5#





#37

2-Methylnaphthalene

Concen: 7.808 ng

RT: 12.415 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

Instrument :

BNA_G

ClientSampleId :

MW-2DL

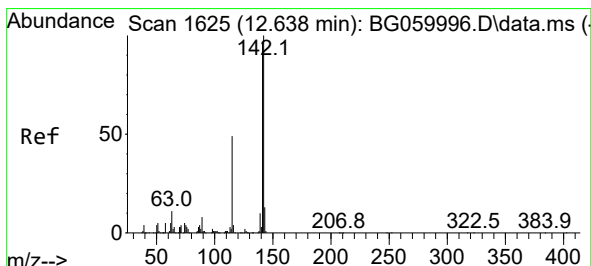
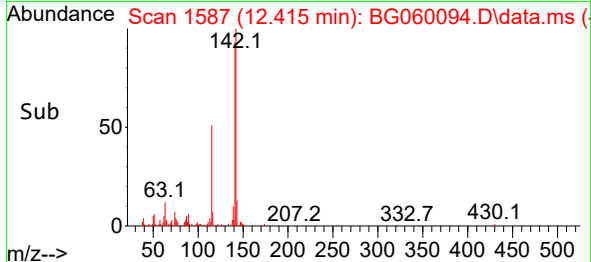
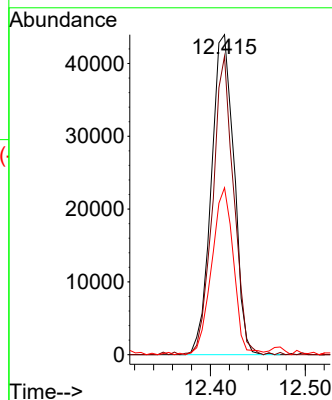
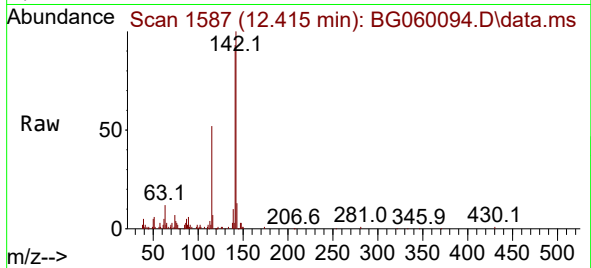
Tgt Ion:142 Resp: 73148

Ion Ratio Lower Upper

142 100

141 93.3 69.9 104.9

115 52.2 36.1 54.1



#38

1-Methylnaphthalene

Concen: 5.058 ng

RT: 12.632 min Scan# 1624

Delta R.T. -0.009 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

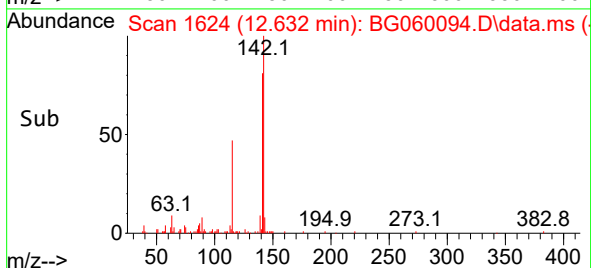
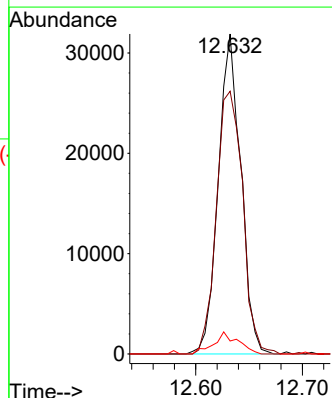
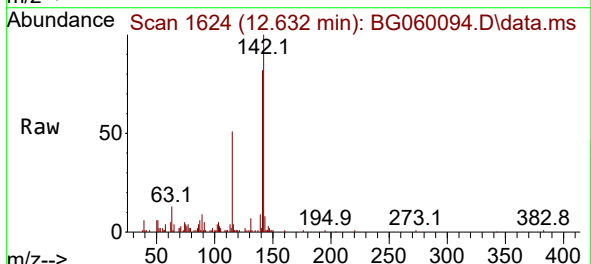
Tgt Ion:142 Resp: 46806

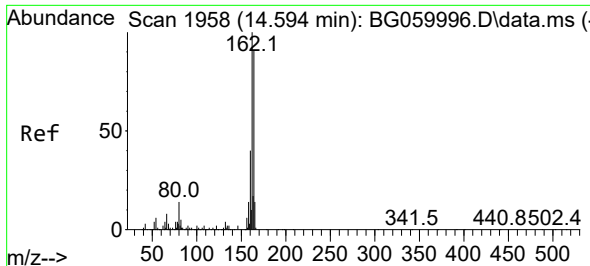
Ion Ratio Lower Upper

142 100

141 82.1 76.9 115.3

116 4.0 3.5 5.3

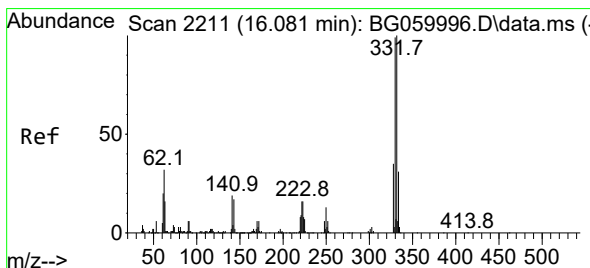
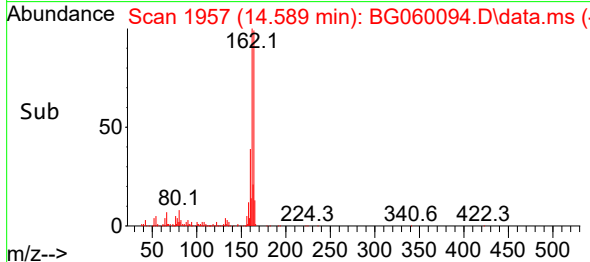
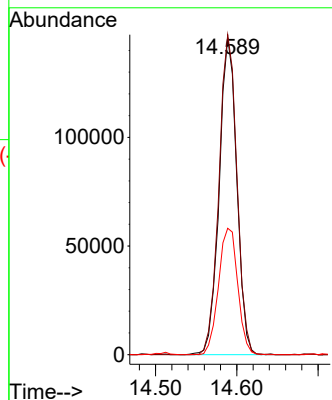
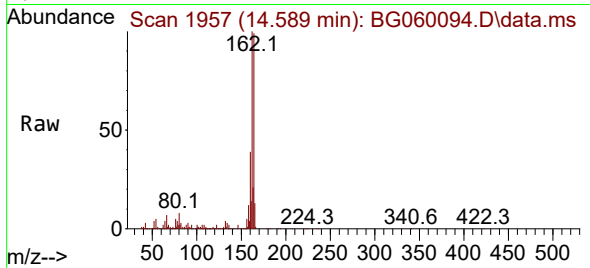




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

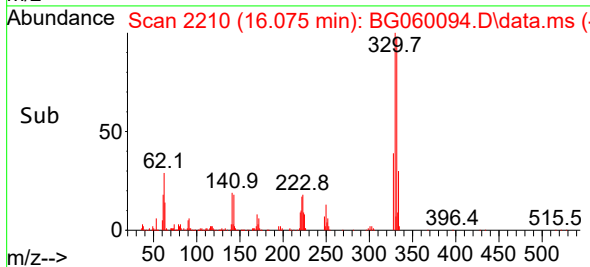
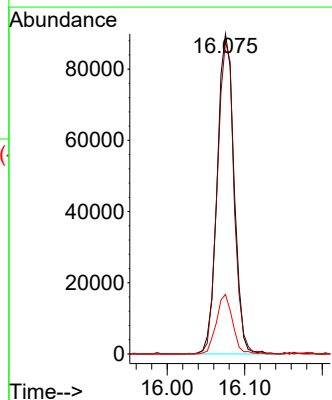
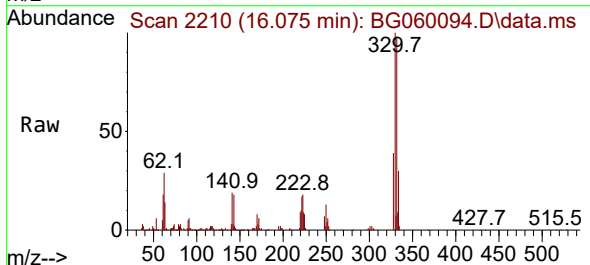
Instrument :
BNA_G
ClientSampleId :
MW-2DL

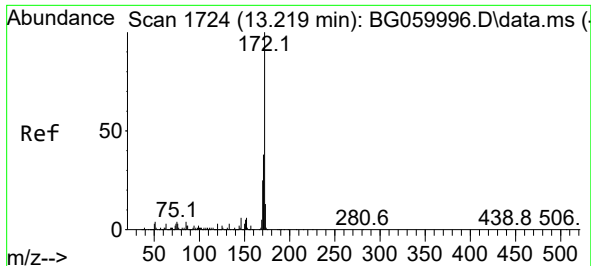
Tgt Ion:164 Resp: 219432
Ion Ratio Lower Upper
164 100
162 101.0 88.1 132.1
160 39.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 26.539 ng
RT: 16.075 min Scan# 2210
Delta R.T. -0.009 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion:330 Resp: 135717
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 18.0 14.3 21.5

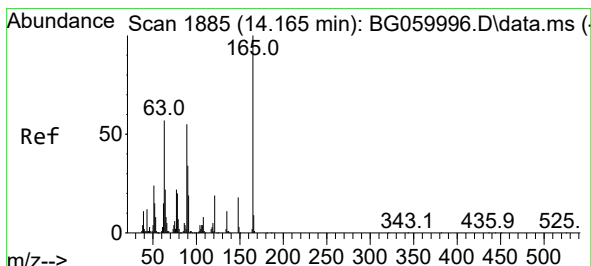
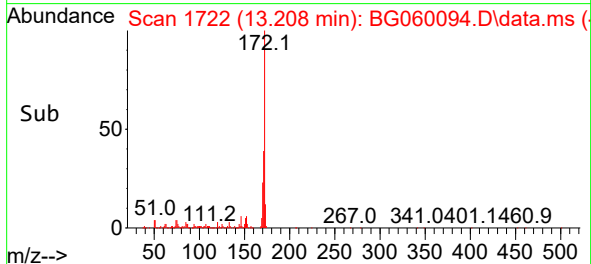
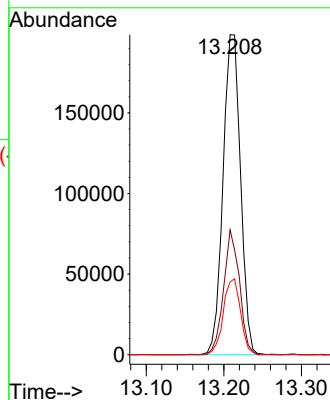
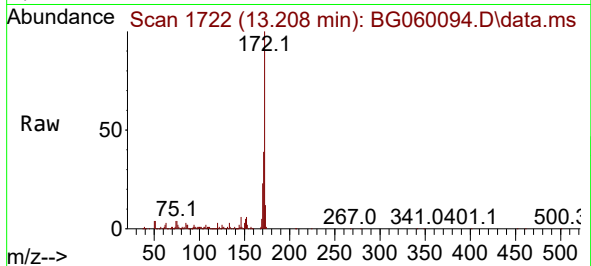




#45
2-Fluorobiphenyl
Concen: 17.433 ng
RT: 13.208 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

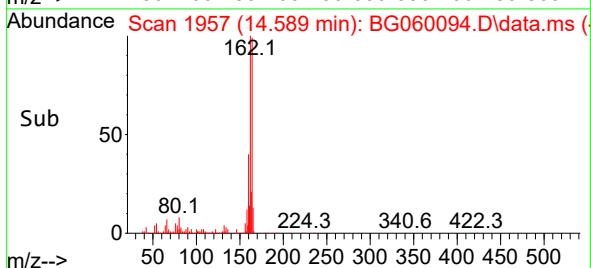
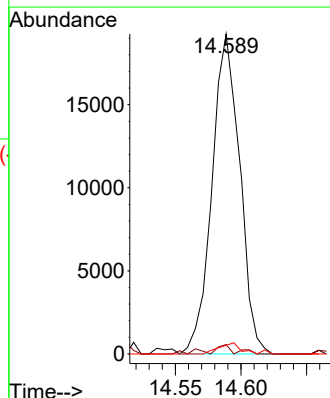
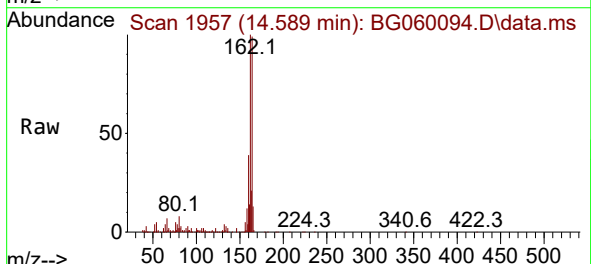
Instrument :
BNA_G
ClientSampleId :
MW-2DL

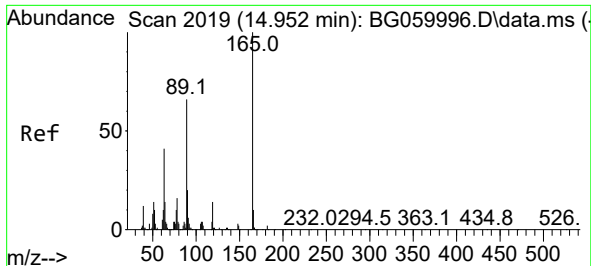
Tgt Ion:172 Resp: 312556
Ion Ratio Lower Upper
172 100
171 39.0 30.1 45.1
170 22.8 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.022 ng
RT: 14.589 min Scan# 1957
Delta R.T. 0.420 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion:165 Resp: 28305
Ion Ratio Lower Upper
165 100
63 3.0 48.2 72.2#
89 2.7 44.4 66.6#

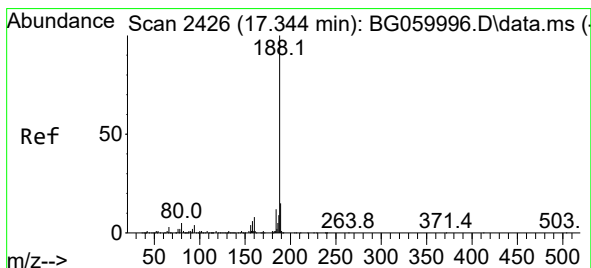
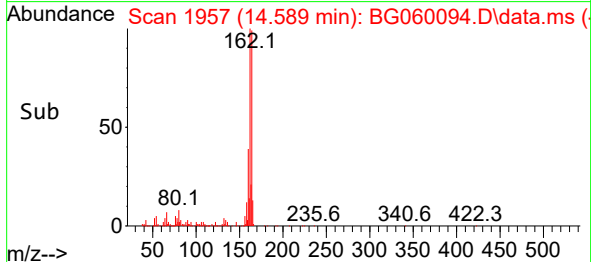
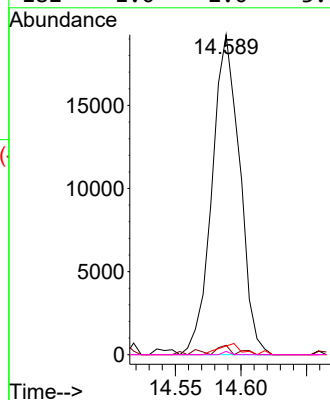
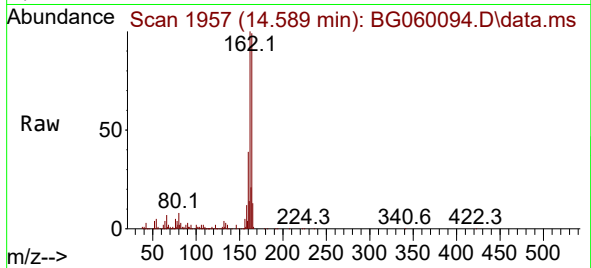




#57
2,4-Dinitrotoluene
Concen: 5.707 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.362 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

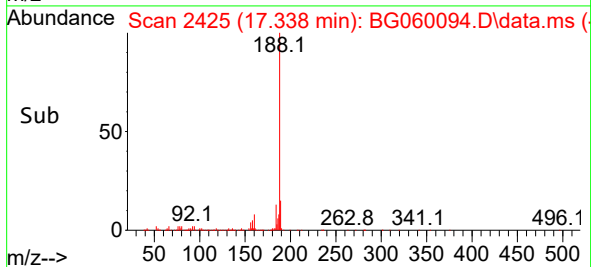
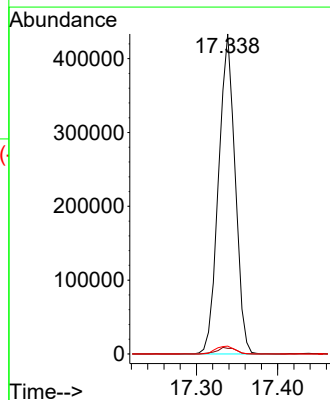
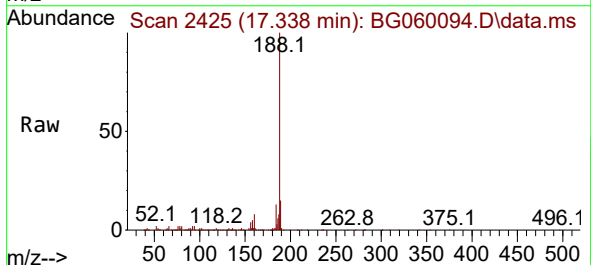
Instrument :
BNA_G
ClientSampleId :
MW-2DL

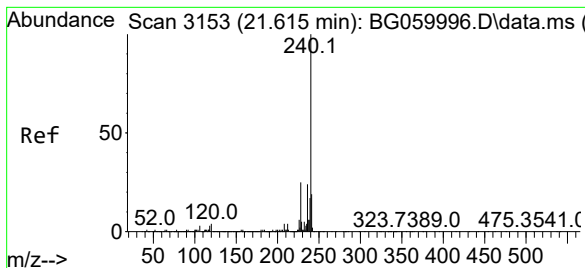
Tgt Ion:165 Resp: 28305
Ion Ratio Lower Upper
165 100
63 3.0 32.8 49.2#
89 2.7 53.0 79.6#
182 1.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Tgt Ion:188 Resp: 616758
Ion Ratio Lower Upper
188 100
94 1.8 3.0 4.6#
80 2.4 4.0 6.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

Instrument :

BNA_G

ClientSampleId :

MW-2DL

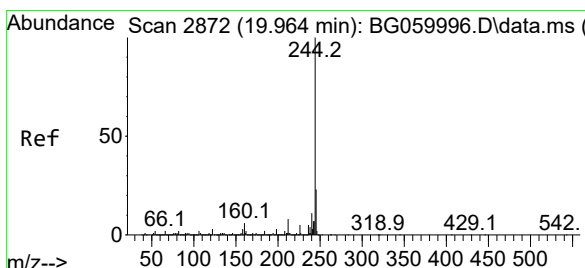
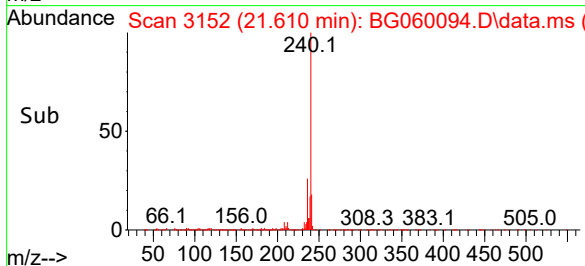
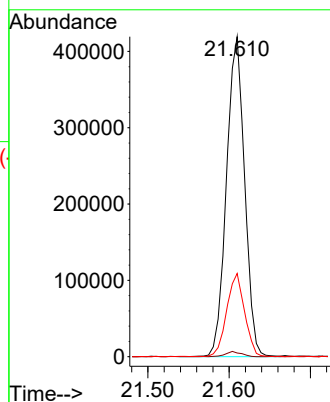
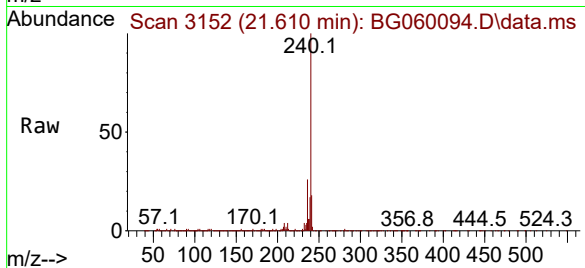
Tgt Ion:240 Resp: 650528

Ion Ratio Lower Upper

240 100

120 1.2 2.9 4.3#

236 26.0 19.4 29.2



#79

Terphenyl-d14

Concen: 21.062 ng

RT: 19.959 min Scan# 2871

Delta R.T. -0.009 min

Lab File: BG060094.D

Acq: 19 Dec 2023 20:50

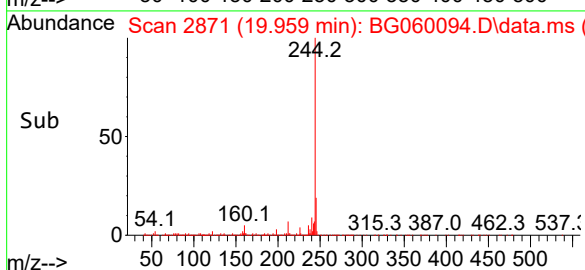
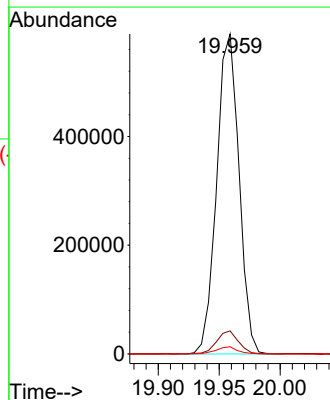
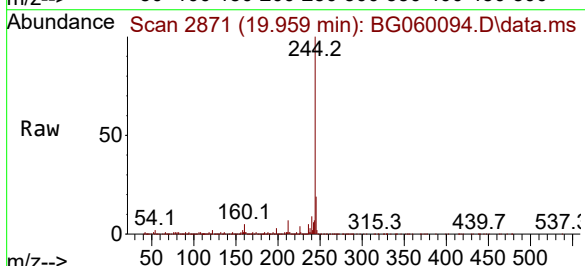
Tgt Ion:244 Resp: 750468

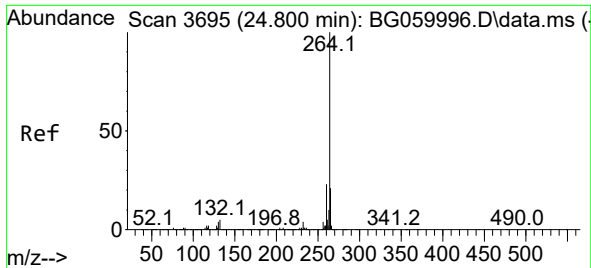
Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

122 2.3 2.6 3.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.794 min Scan# 30
Delta R.T. -0.021 min
Lab File: BG060094.D
Acq: 19 Dec 2023 20:50

Instrument :
BNA_G
ClientSampleId :
MW-2DL

Tgt Ion:264 Resp: 745179

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.4	17.3	25.9

