

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060060.D
 Acq On : 16 Dec 2023 8:03
 Operator : MA/JU
 Sample : 05829-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Quant Time: Dec 18 00:11:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

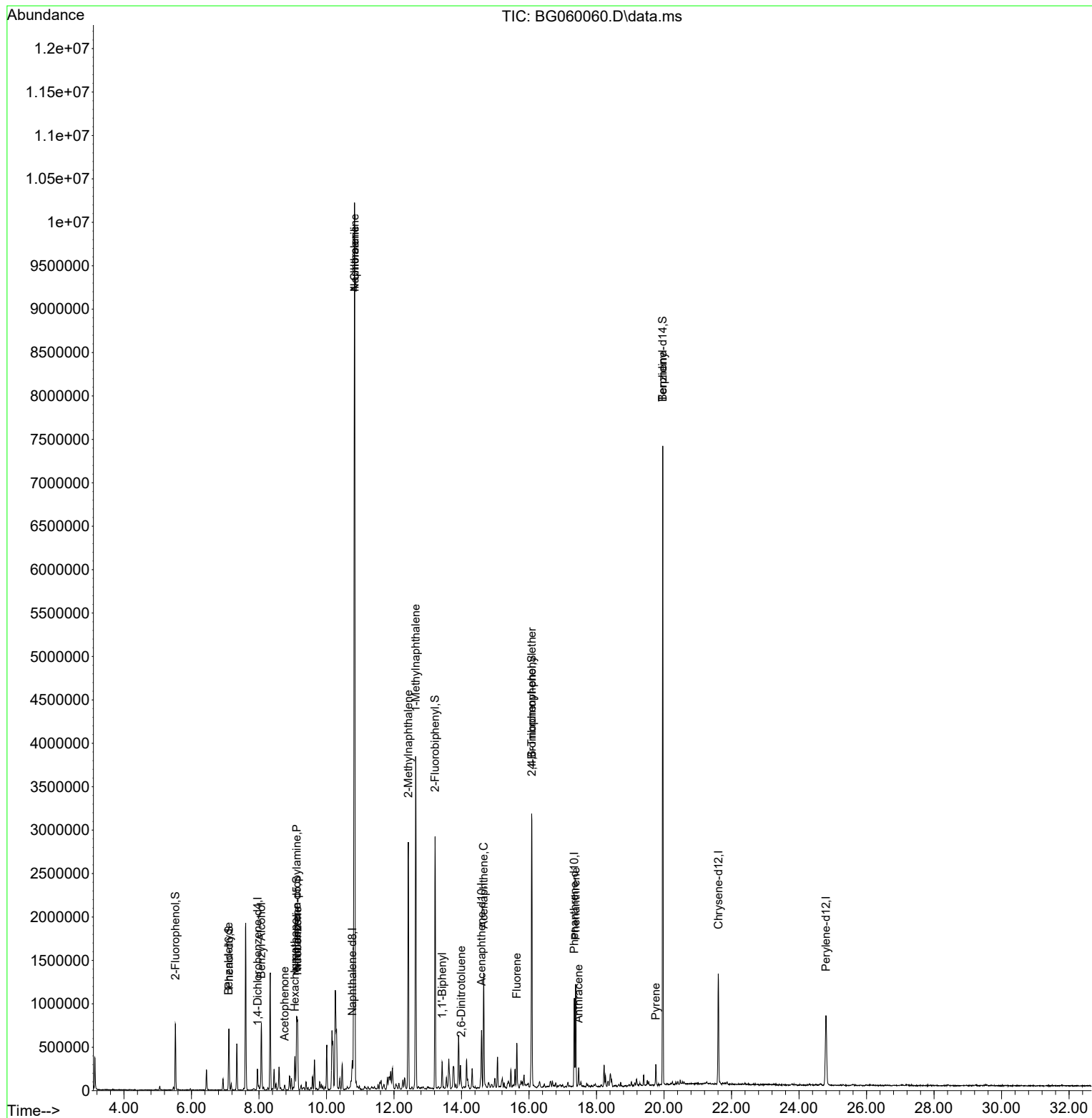
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	63338	20.000	ng	0.00
21) Naphthalene-d8	10.767	136	276054	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	226901	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	709952	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	842149	20.000	ng	0.00
86) Perylene-d12	24.798	264	989465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	284777	76.967	ng	0.00
7) Phenol-d6	7.112	99	297126	57.089	ng	0.00
23) Nitrobenzene-d5	9.116	82	460071	75.677	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	771682	145.935	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1543485	83.255	ng	0.00
79) Terphenyl-d14	19.962	244	3912308	84.816	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.101	77	12549	3.965	ng	# 1
15) Benzyl Alcohol	8.070	79	40806	9.755	ng	# 11
18) Hexachloroethane	9.063	117	35334	23.907	ng	# 1
19) n-Nitroso-di-n-propyla...	9.116	70	61992	18.462	ng	# 82
22) Acetophenone	8.758	105	37817	4.701	ng	# 62
24) Nitrobenzene	9.140	77	29094	4.714	ng	# 4
31) Naphthalene	10.832	128	7232062	503.248	ng	# 79
33) 4-Chloroaniline	10.832	127	1285151	235.028	ng	# 32
37) 2-Methylnaphthalene	12.424	142	1272839	112.928	ng	99
38) 1-Methylnaphthalene	12.641	142	1731463	155.515	ng	96
46) 1,1'-Biphenyl	13.429	154	166209	9.877	ng	96
51) 2,6-Dinitrotoluene	13.993	165	9266	2.540	ng	# 60
52) Acenaphthene	14.657	154	494247	36.019	ng	97
58) Fluorene	15.638	166	231463	12.290	ng	99
67) 4-Bromophenyl-phenylether	16.078	248	46728	4.665	ng	# 1
69) Atrazine	16.801	200	56	Below Cal		# 1
71) Phenanthrene	17.383	178	786071	22.859	ng	98
72) Anthracene	17.471	178	144624	4.183	ng	96
77) Benzidine	19.962	184	65666	6.071	ng	# 88
78) Pyrene	19.757	202	171906	3.367	ng	99

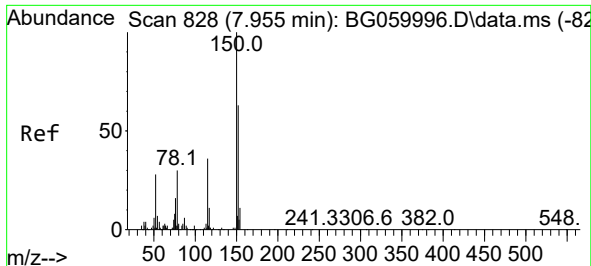
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
Data File : BG060060.D
Acq On : 16 Dec 2023 8:03
Operator : MA/JU
Sample : 05829-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-14

Quant Time: Dec 18 00:11:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 01:47:12 2023
Response via : Initial Calibration

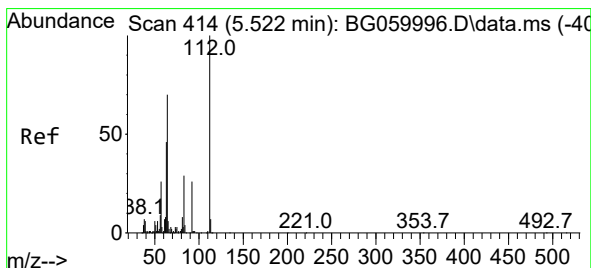
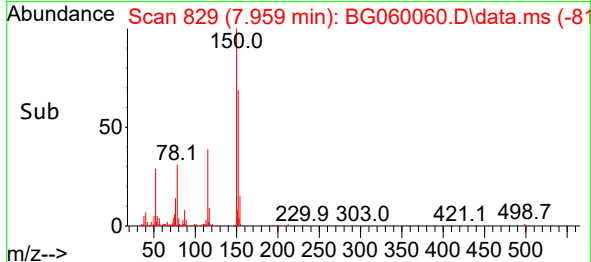
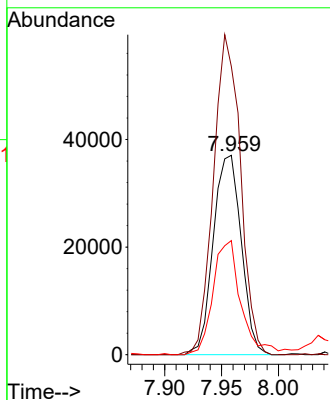
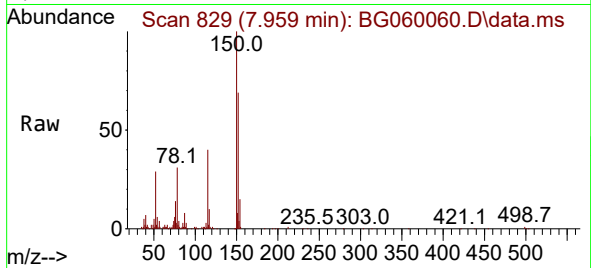




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

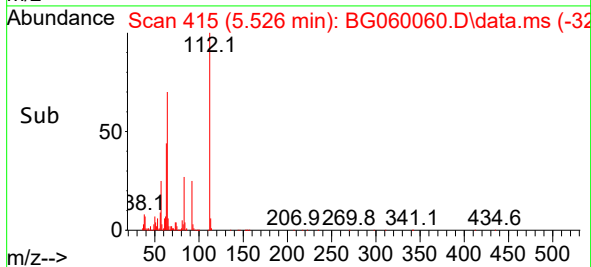
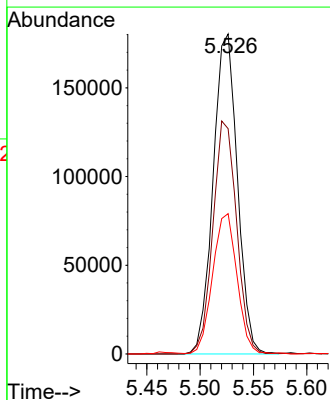
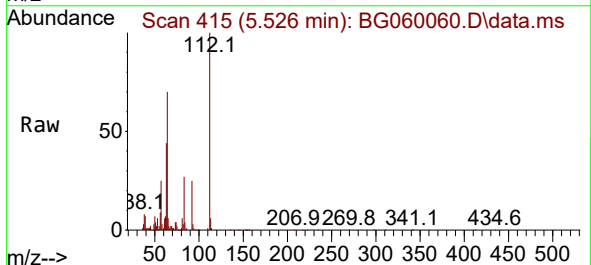
Instrument :
BNA_G
ClientSampleId :
MW-14

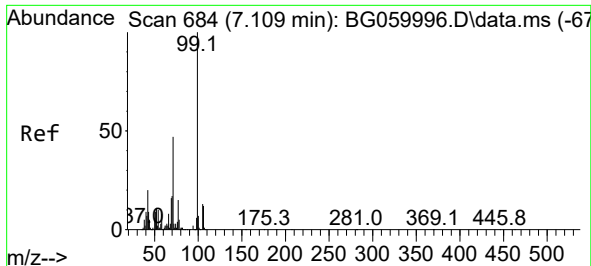
Tgt Ion:152 Resp: 63338
Ion Ratio Lower Upper
152 100
150 144.6 127.0 190.6
115 57.2 45.7 68.5



#5
2-Fluorophenol
Concen: 76.967 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:112 Resp: 284777
Ion Ratio Lower Upper
112 100
64 70.4 55.9 83.9
63 43.8 36.5 54.7

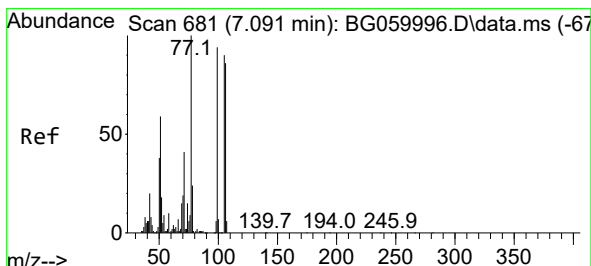
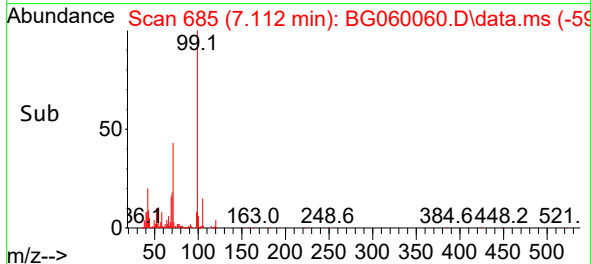
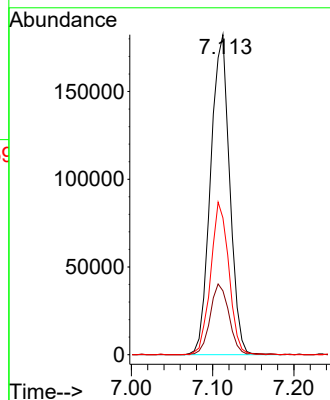
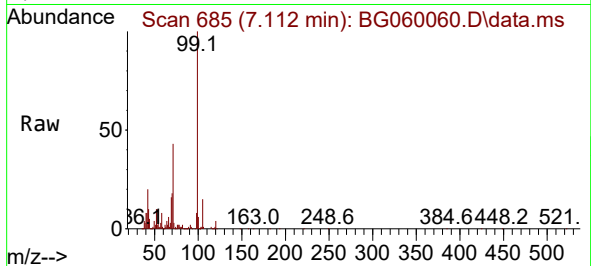




#7
Phenol-d6
Concen: 57.089 ng
RT: 7.112 min Scan# 684
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

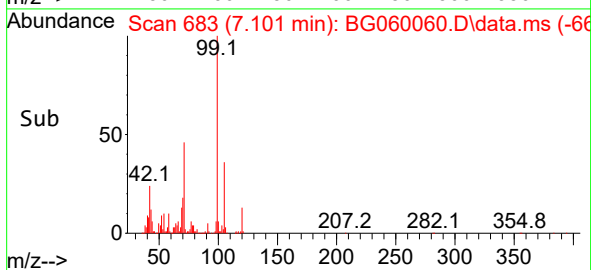
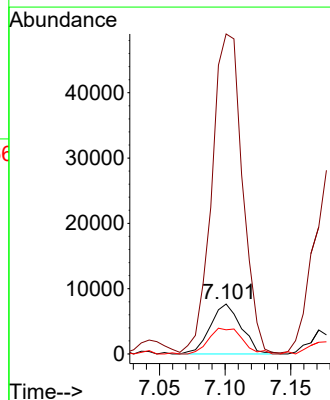
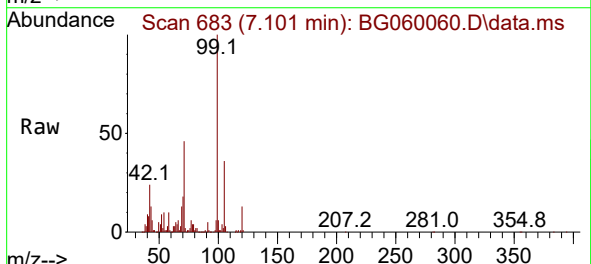
Instrument :
BNA_G
ClientSampleId :
MW-14

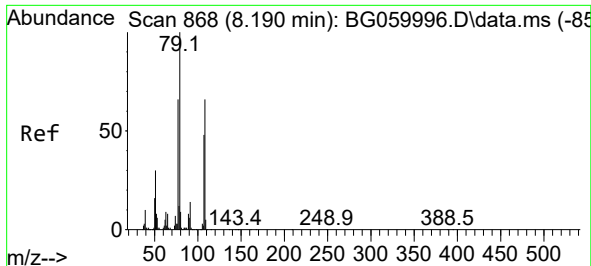
Tgt Ion: 99 Resp: 297126
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.4
71 42.7 37.6 56.4



#9
Benzaldehyde
Concen: 3.965 ng
RT: 7.101 min Scan# 683
Delta R.T. 0.010 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion: 77 Resp: 12549
Ion Ratio Lower Upper
77 100
105 640.1 70.5 110.5#
106 48.3 66.0 106.0#

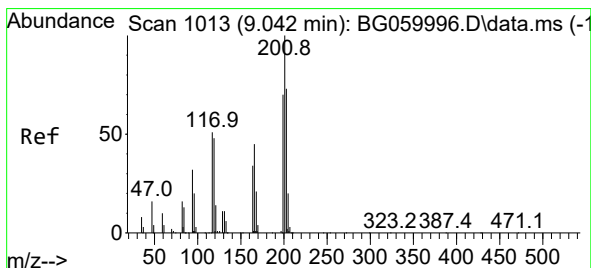
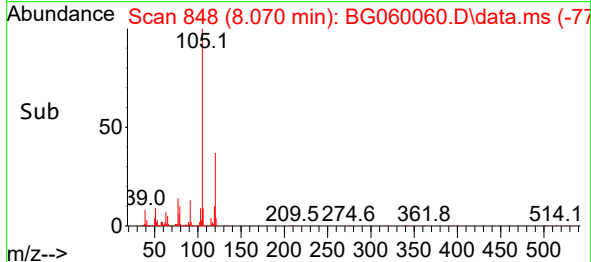
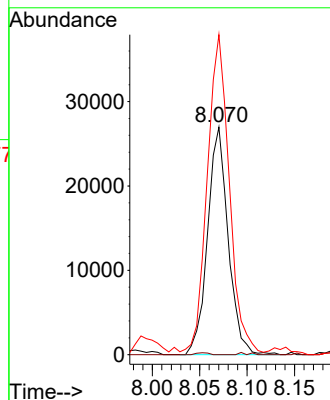
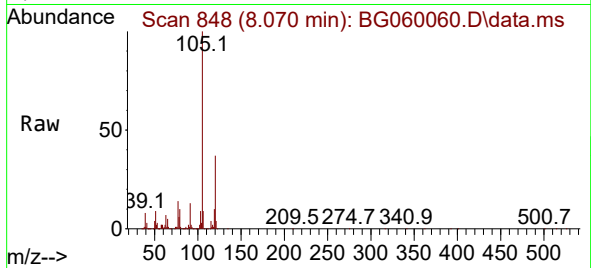




#15
Benzyl Alcohol
Concen: 9.755 ng
RT: 8.070 min Scan# 84
Delta R.T. -0.120 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

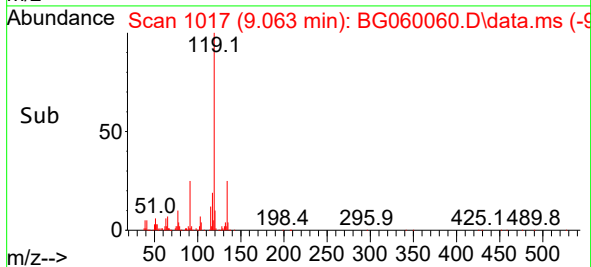
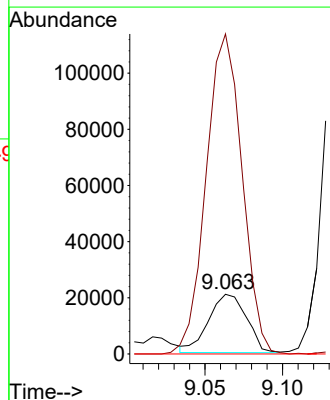
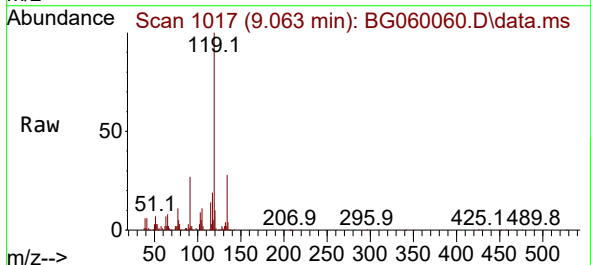
Instrument :
BNA_G
ClientSampleId :
MW-14

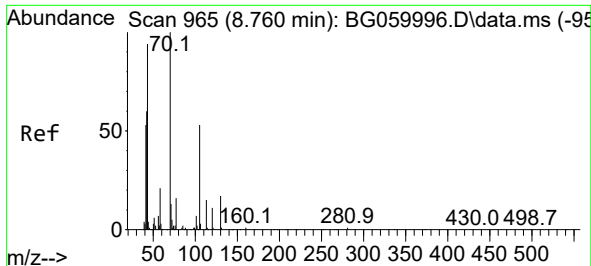
Tgt Ion: 79 Resp: 40806
Ion Ratio Lower Upper
79 100
108 0.0 53.1 79.7#
77 140.6 52.8 79.2#



#18
Hexachloroethane
Concen: 23.907 ng
RT: 9.063 min Scan# 1017
Delta R.T. 0.021 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion: 117 Resp: 35334
Ion Ratio Lower Upper
117 100
119 536.2 74.5 111.7#
201 0.0 156.5 234.7#

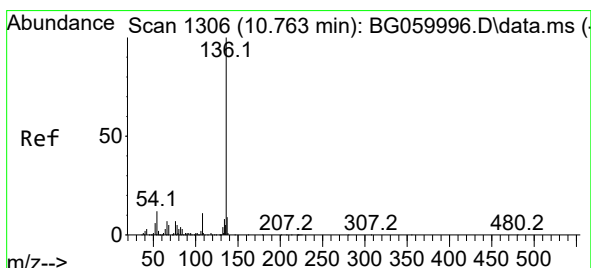
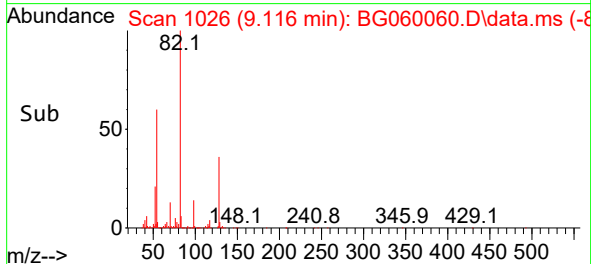
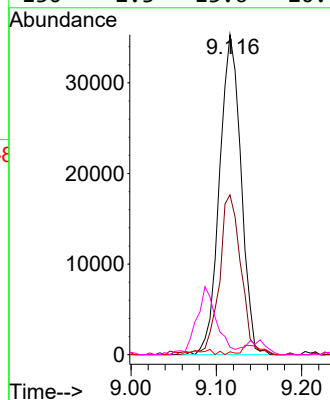
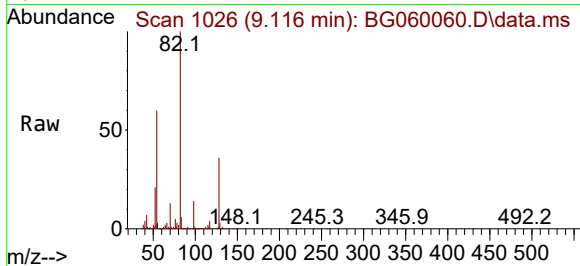




#19
n-Nitroso-di-n-propylamine
Concen: 18.462 ng
RT: 9.116 min Scan# 10
Delta R.T. 0.356 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

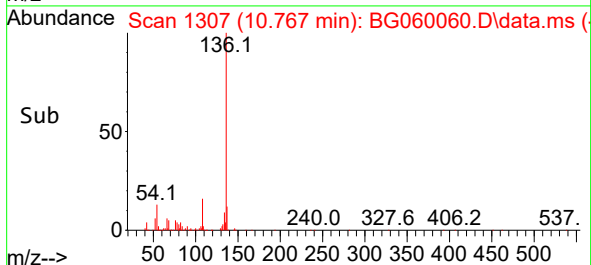
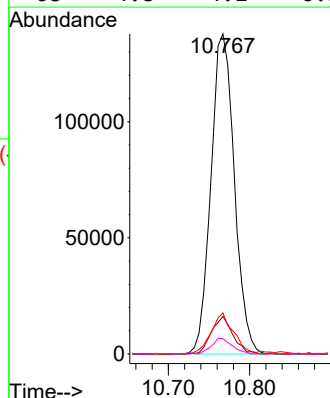
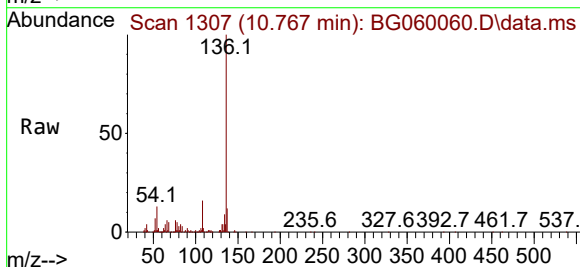
Instrument :
BNA_G
ClientSampleId :
MW-14

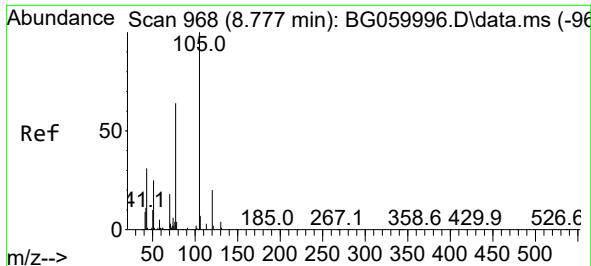
Tgt Ion: 70 Resp: 61992
Ion Ratio Lower Upper
70 100
42 50.0 48.6 73.0
101 0.9 5.7 8.5#
130 2.3 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:136 Resp: 276054
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 12.9 9.6 14.4
68 4.8 4.1 6.1

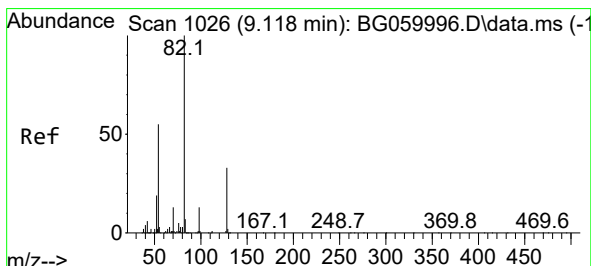
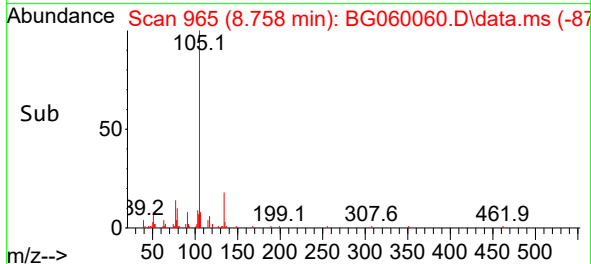
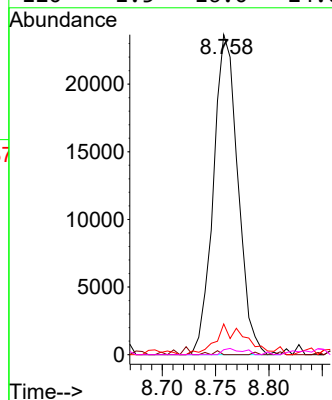
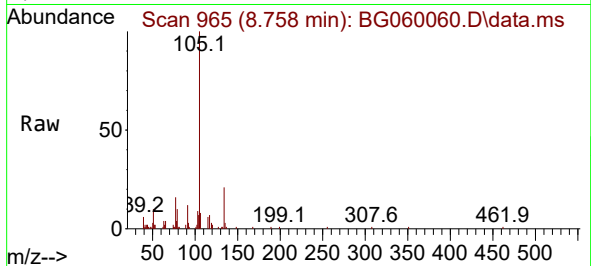




#22
Acetophenone
Concen: 4.701 ng
RT: 8.758 min Scan# 965
Delta R.T. -0.020 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

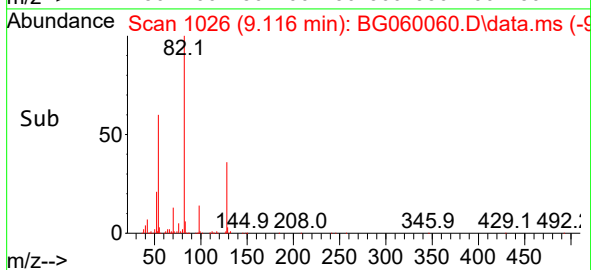
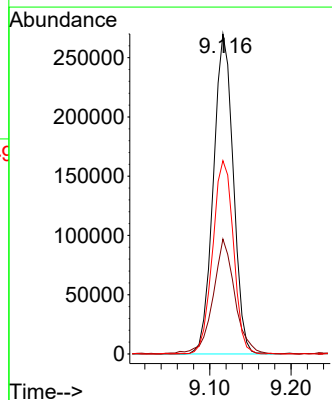
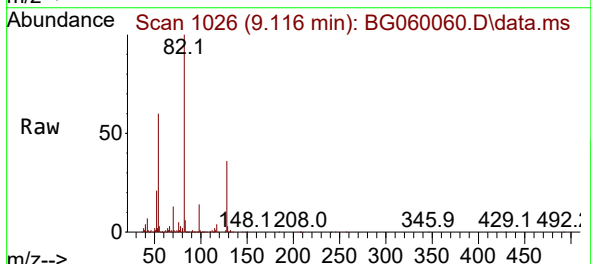
Instrument :
BNA_G
ClientSampleId :
MW-14

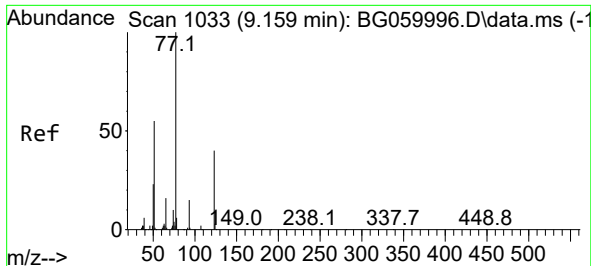
Tgt Ion:	105	Resp:	37817
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.1	3.1#
51	9.6	25.4	38.0#
120	1.5	16.0	24.0#



#23
Nitrobenzene-d5
Concen: 75.677 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:	82	Resp:	460071
Ion	Ratio	Lower	Upper
82	100		
128	35.9	26.3	39.5
54	60.4	44.3	66.5

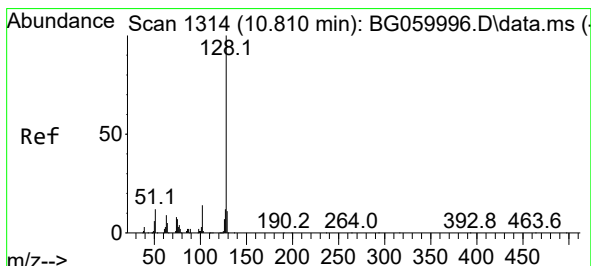
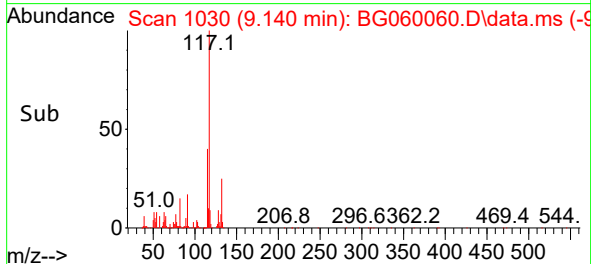
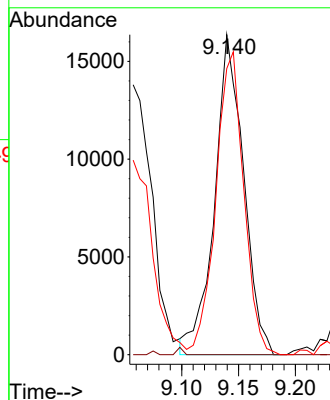
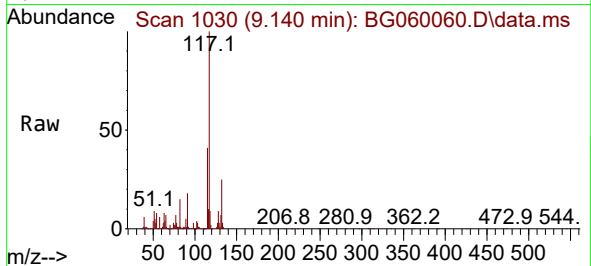




#24
Nitrobenzene
Concen: 4.714 ng
RT: 9.140 min Scan# 1030
Delta R.T. -0.020 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

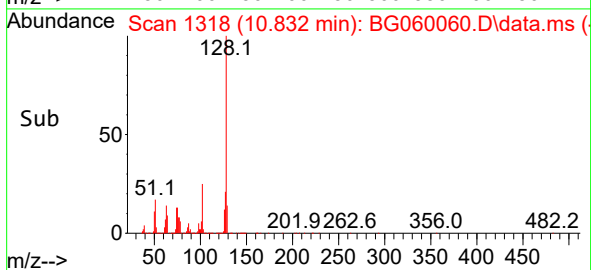
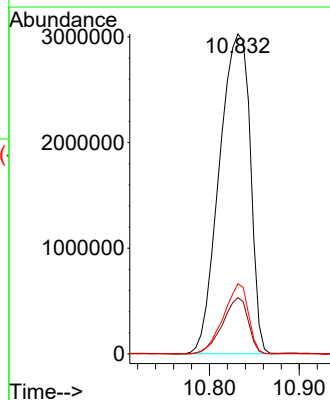
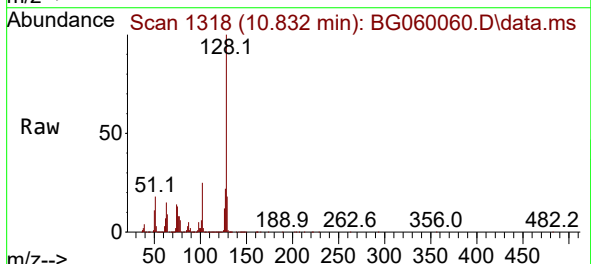
Instrument :
BNA_G
ClientSampleId :
MW-14

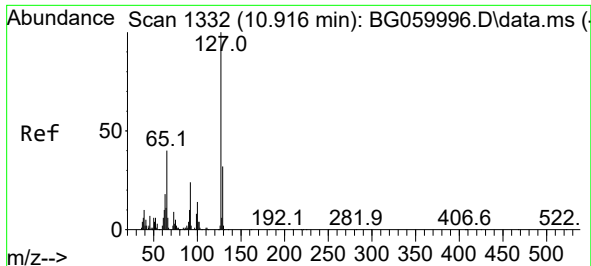
Tgt Ion: 77 Resp: 29094
Ion Ratio Lower Upper
77 100
123 0.0 32.1 48.1#
65 89.4 13.0 19.4#



#31
Naphthalene
Concen: 503.248 ng
RT: 10.832 min Scan# 1318
Delta R.T. 0.021 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:128 Resp: 7232062
Ion Ratio Lower Upper
128 100
129 17.6 9.2 13.8#
127 21.9 9.7 14.5#

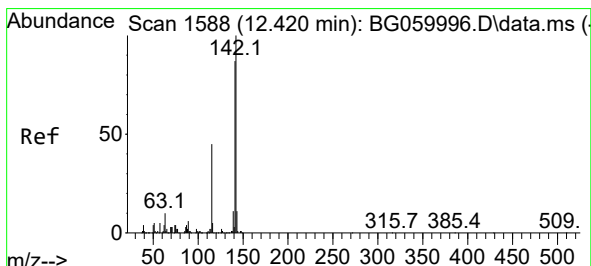
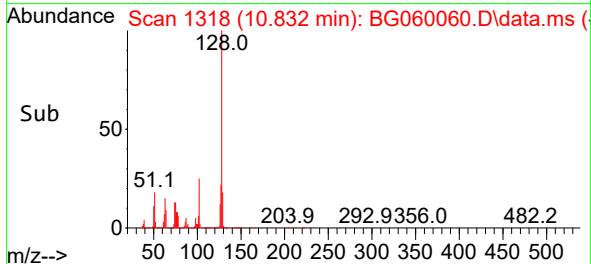
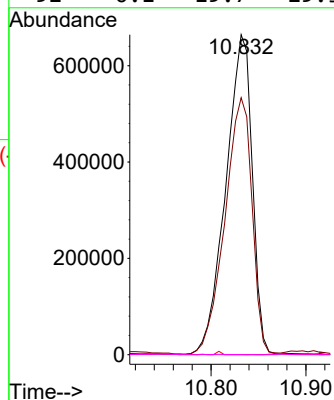
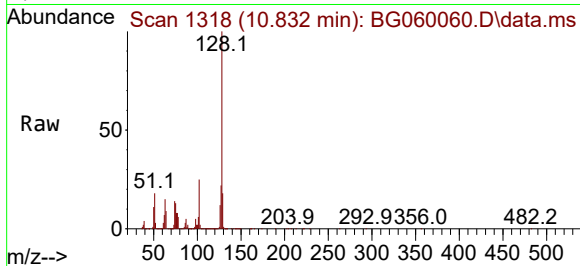




#33
4-Chloroaniline
Concen: 235.028 ng
RT: 10.832 min Scan# 11
Delta R.T. -0.084 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

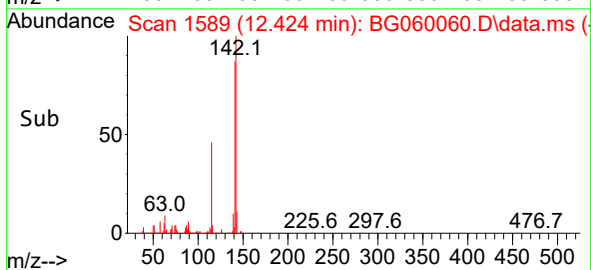
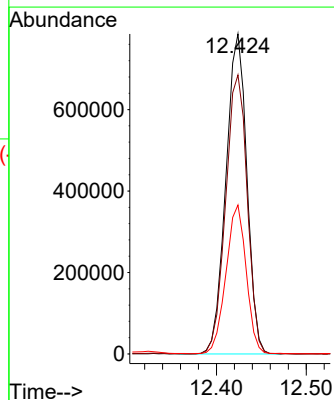
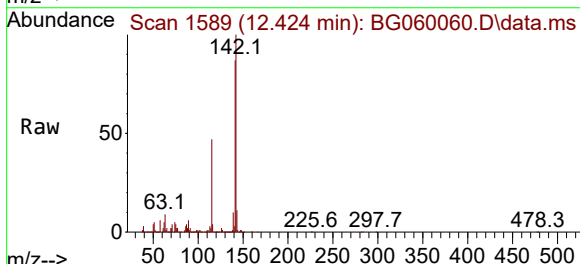
Instrument :
BNA_G
ClientSampleId :
MW-14

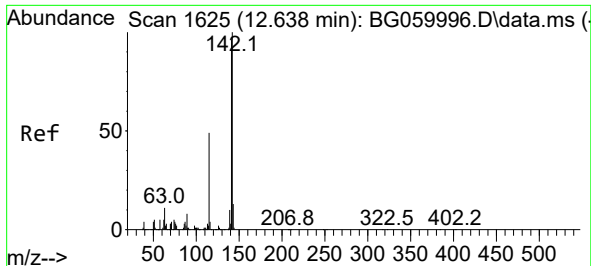
Tgt Ion:127 Resp: 1285151
Ion Ratio Lower Upper
127 100
129 80.3 25.7 38.5#
65 0.0 32.3 48.5#
92 0.1 19.7 29.5#



#37
2-Methylnaphthalene
Concen: 112.928 ng
RT: 12.424 min Scan# 1589
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:142 Resp: 1272839
Ion Ratio Lower Upper
142 100
141 87.2 69.9 104.9
115 46.6 36.1 54.1

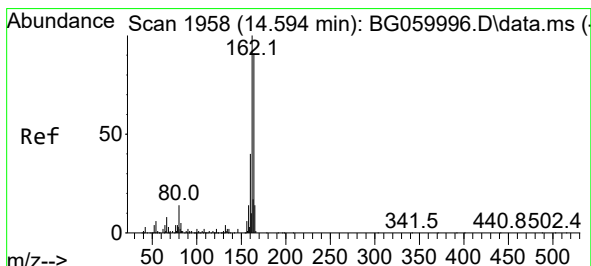
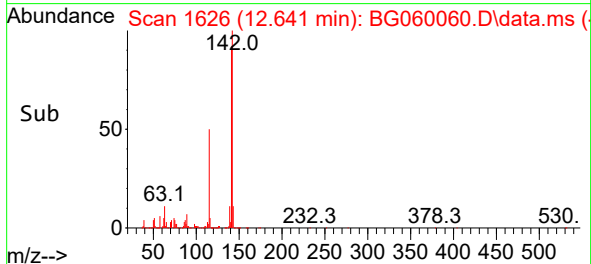
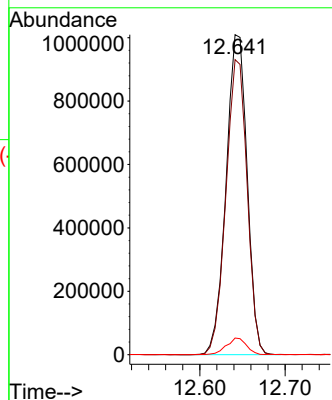
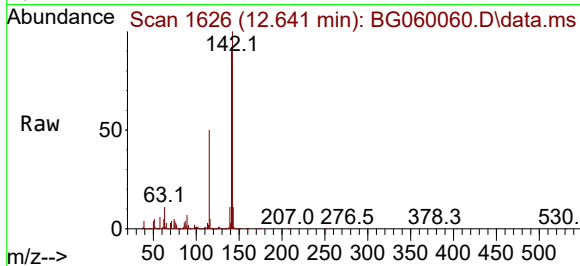




#38
1-Methylnaphthalene
Concen: 155.515 ng
RT: 12.641 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

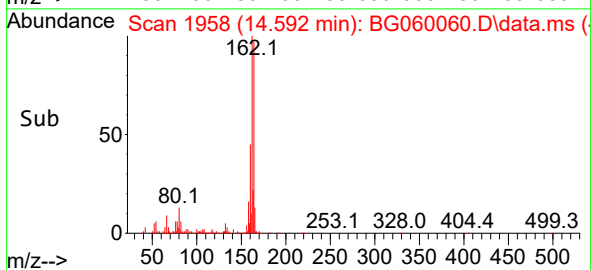
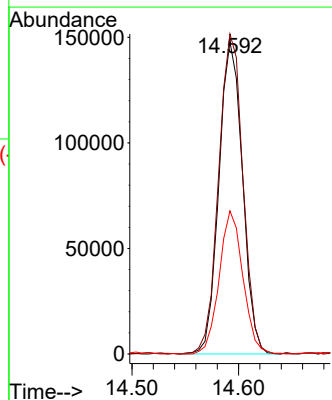
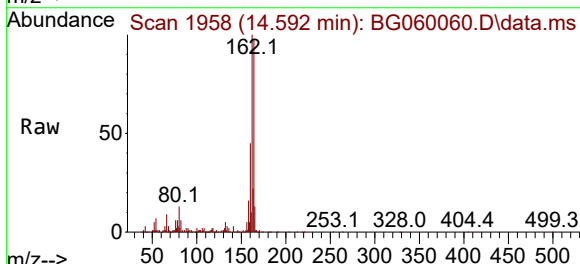
Instrument :
BNA_G
ClientSampleId :
MW-14

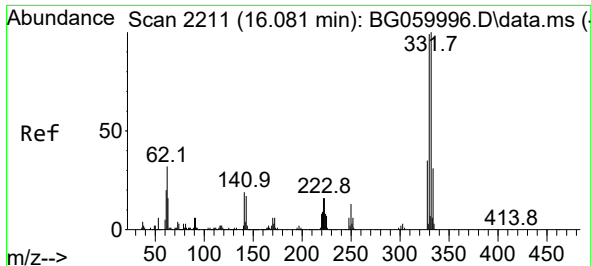
Tgt Ion:142 Resp: 1731463
Ion Ratio Lower Upper
142 100
141 92.2 76.9 115.3
116 5.2 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:164 Resp: 226901
Ion Ratio Lower Upper
164 100
162 102.5 88.1 132.1
160 45.8 35.4 53.0

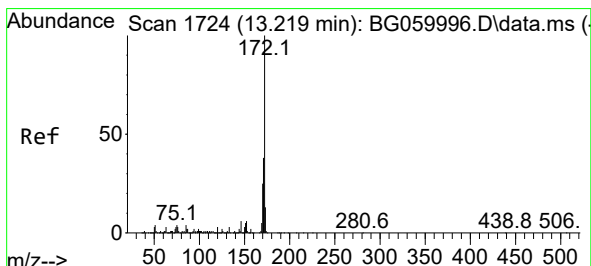
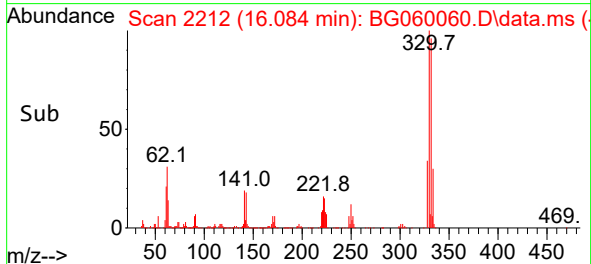
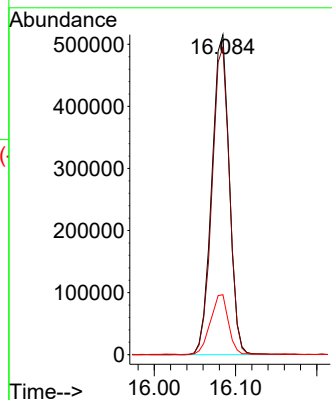
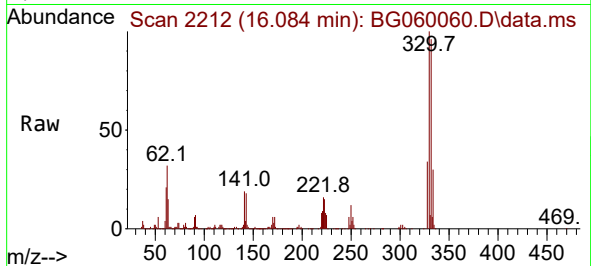




#42
2,4,6-Tribromophenol
Concen: 145.935 ng
RT: 16.084 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

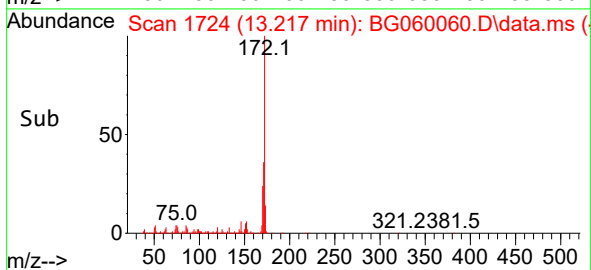
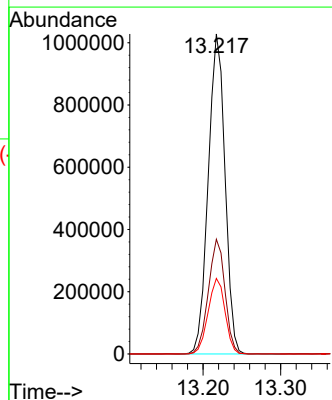
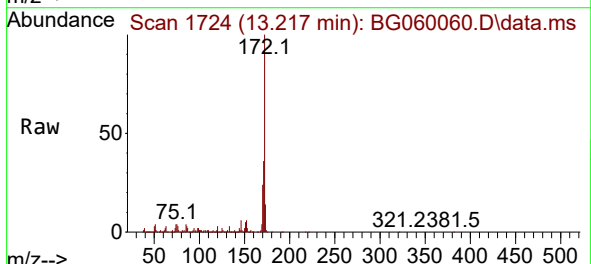
Instrument :
BNA_G
ClientSampleId :
MW-14

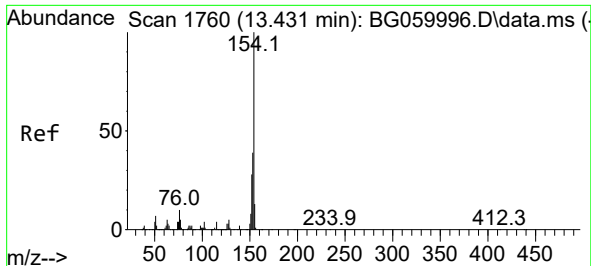
Tgt Ion:330 Resp: 771682
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 19.2 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 83.255 ng
RT: 13.217 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:172 Resp: 1543485
Ion Ratio Lower Upper
172 100
171 35.9 30.1 45.1
170 23.6 20.0 30.0

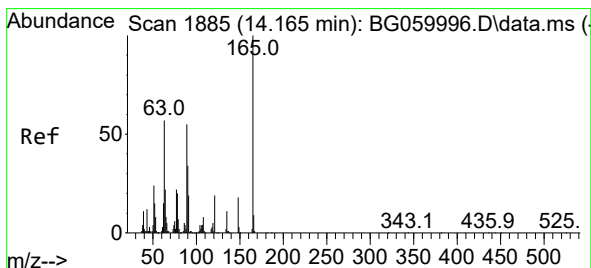
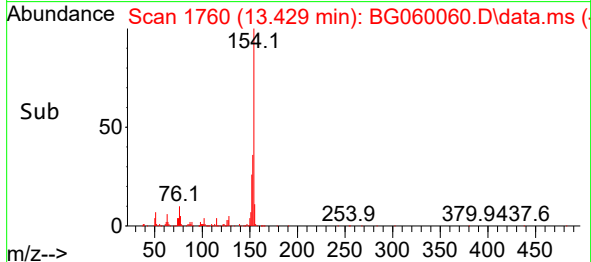
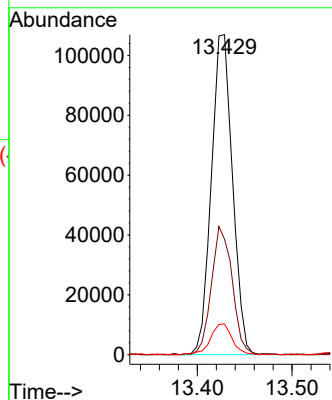
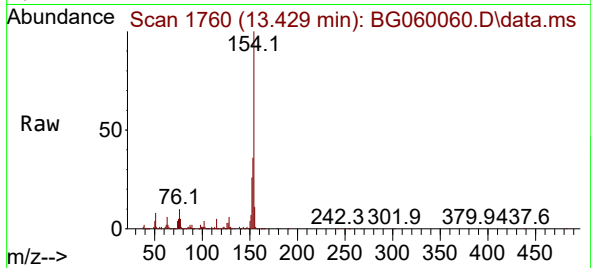




#46
1,1'-Biphenyl
Concen: 9.877 ng
RT: 13.429 min Scan# 1760
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

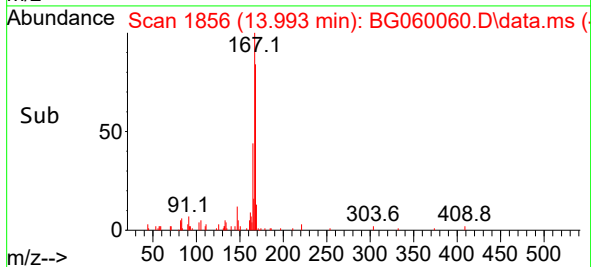
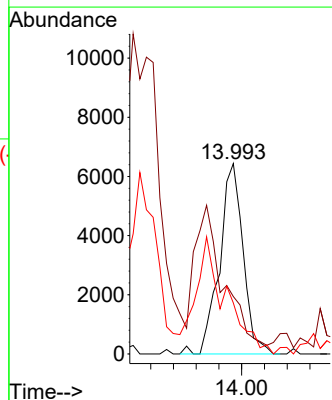
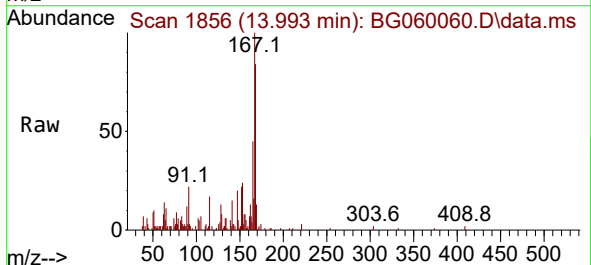
Instrument :
BNA_G
ClientSampleId :
MW-14

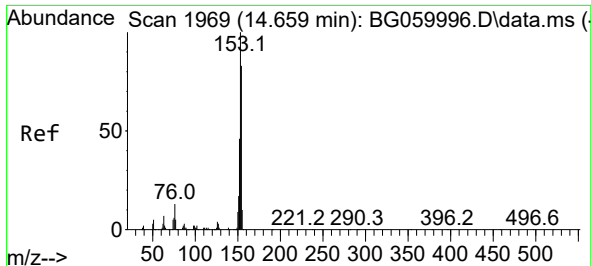
Tgt Ion:154 Resp: 166209
Ion Ratio Lower Upper
154 100
153 36.1 19.2 59.2
76 9.6 0.0 29.9



#51
2,6-Dinitrotoluene
Concen: 2.540 ng
RT: 13.993 min Scan# 1856
Delta R.T. -0.172 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:165 Resp: 9266
Ion Ratio Lower Upper
165 100
63 30.2 48.2 72.2#
89 26.8 44.4 66.6#

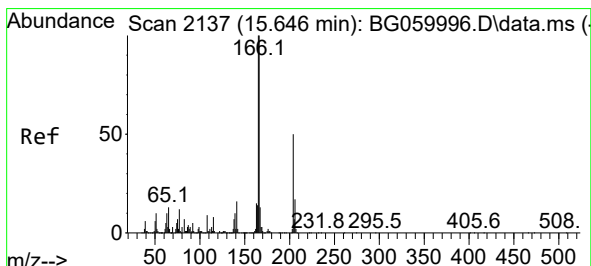
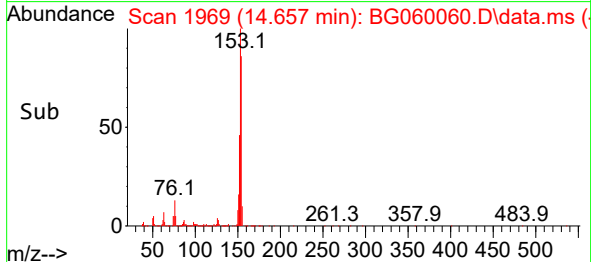
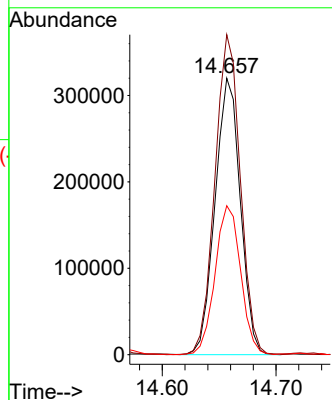
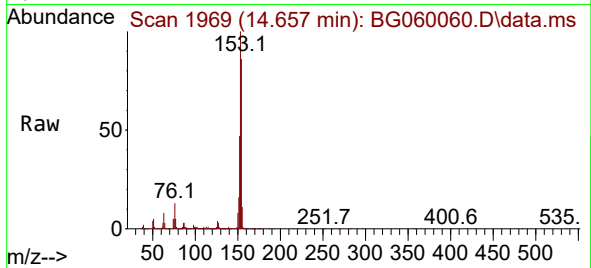




#52
Acenaphthene
Concen: 36.019 ng
RT: 14.657 min Scan# 1969
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

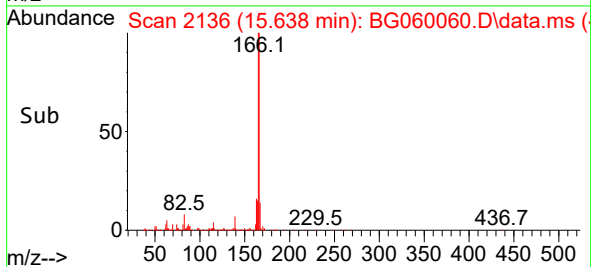
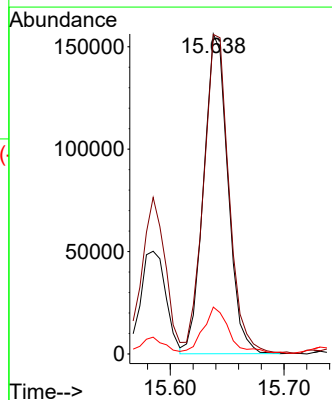
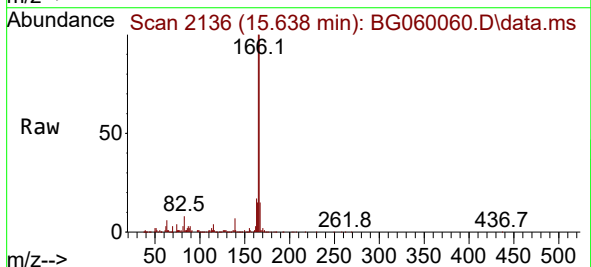
Instrument :
BNA_G
ClientSampleId :
MW-14

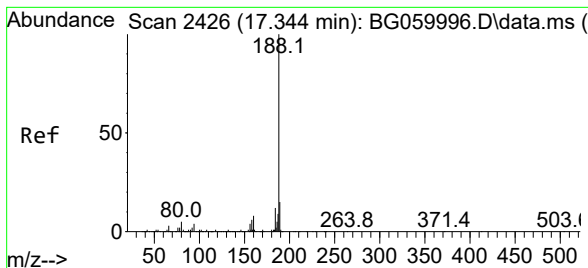
Tgt Ion:154 Resp: 494247
Ion Ratio Lower Upper
154 100
153 115.8 96.0 144.0
152 53.9 44.3 66.5



#58
Fluorene
Concen: 12.290 ng
RT: 15.638 min Scan# 2136
Delta R.T. -0.008 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:166 Resp: 231463
Ion Ratio Lower Upper
166 100
165 99.8 80.2 120.2
167 14.7 10.3 15.5

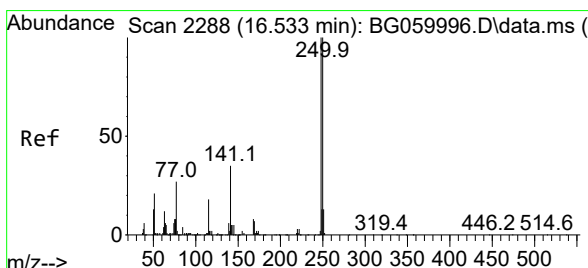
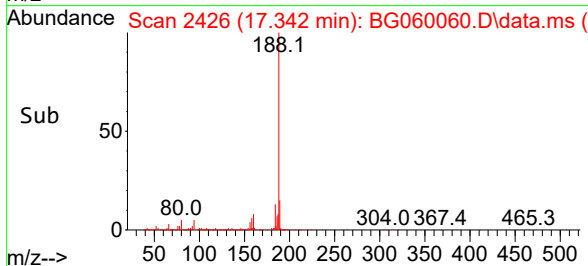
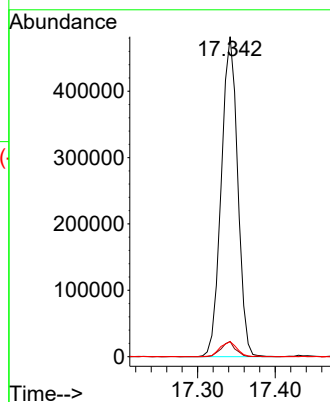
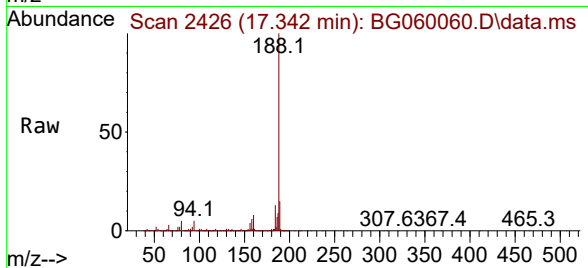




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

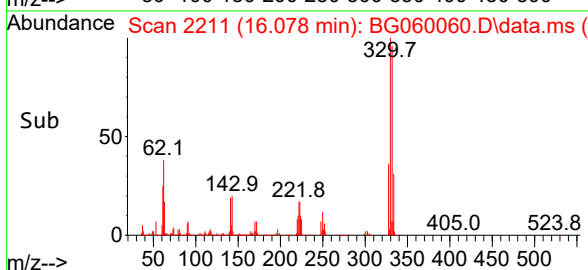
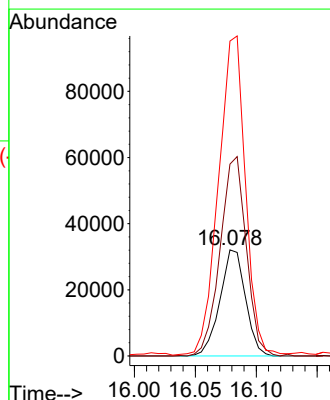
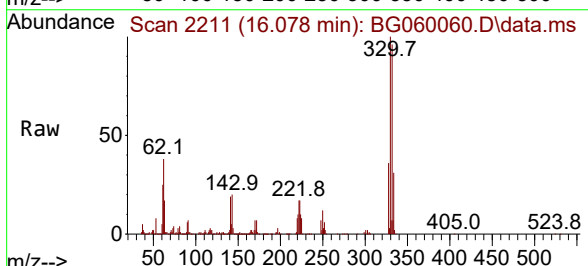
Instrument :
BNA_G
ClientSampleId :
MW-14

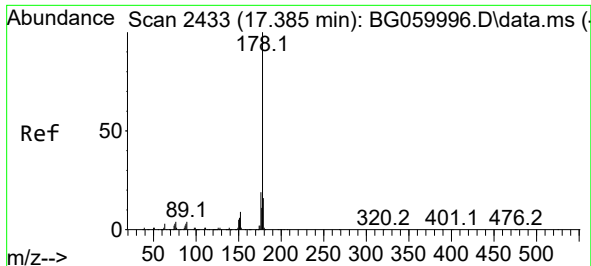
Tgt Ion:188 Resp: 709952
Ion Ratio Lower Upper
188 100
94 4.7 3.0 4.6#
80 4.7 4.0 6.0



#67
4-Bromophenyl-phenylether
Concen: 4.665 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.455 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:248 Resp: 46728
Ion Ratio Lower Upper
248 100
250 180.9 79.9 119.9#
141 297.0 28.3 42.5#

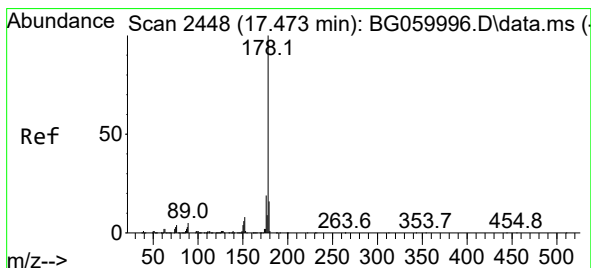
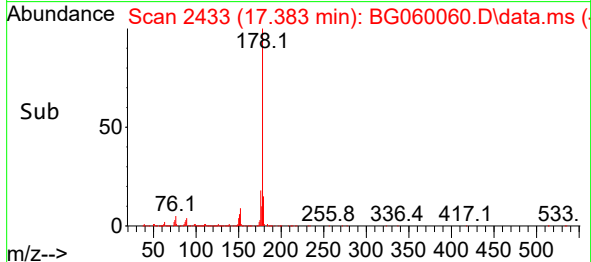
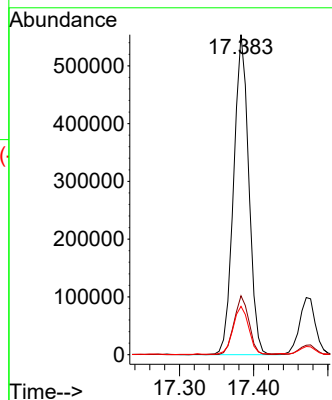
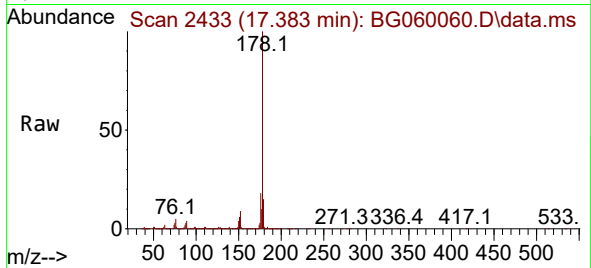




#71
Phenanthrene
Concen: 22.859 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

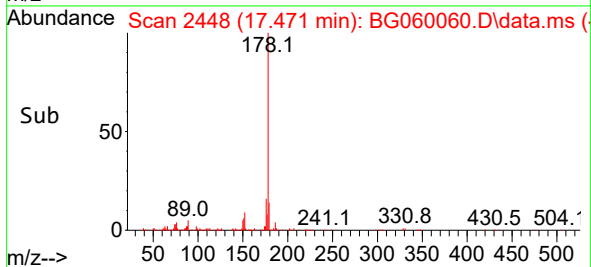
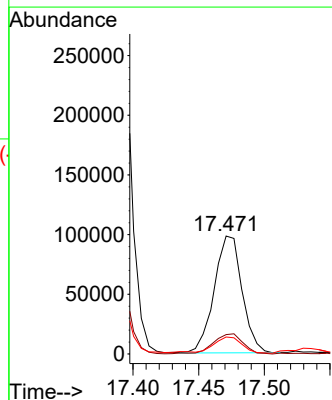
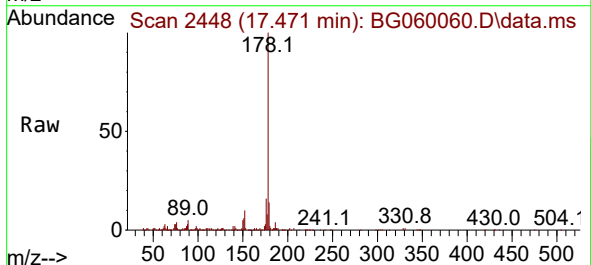
Instrument :
BNA_G
ClientSampleId :
MW-14

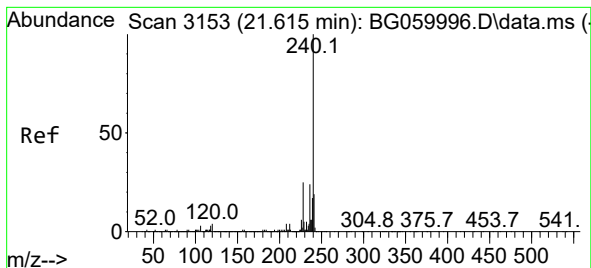
Tgt Ion:178 Resp: 786071
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.1 12.6 19.0



#72
Anthracene
Concen: 4.183 ng
RT: 17.471 min Scan# 2448
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:178 Resp: 144624
Ion Ratio Lower Upper
178 100
176 16.5 15.0 22.6
179 14.4 12.6 19.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

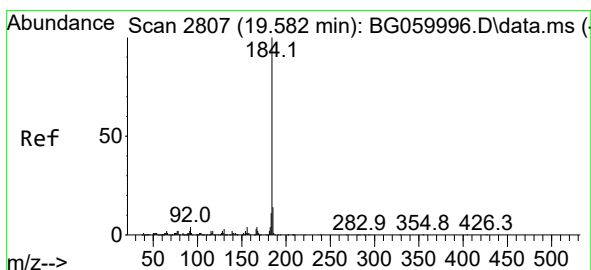
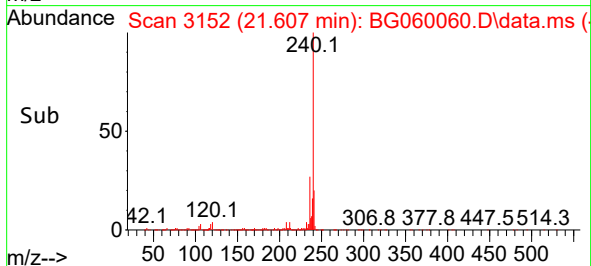
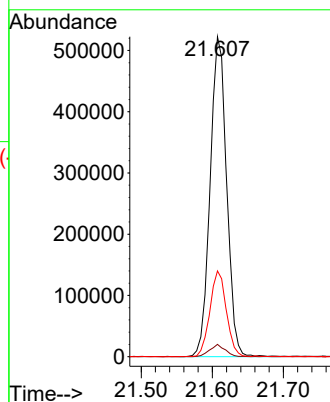
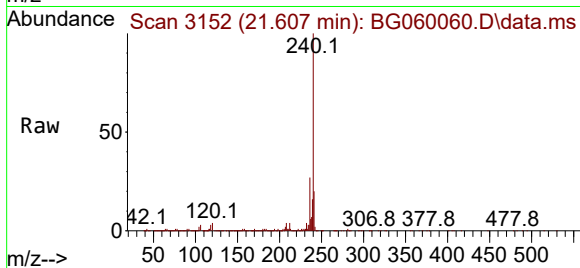
Tgt Ion:240 Resp: 842149

Ion Ratio Lower Upper

240 100

120 3.8 2.9 4.3

236 26.8 19.4 29.2



#77

Benzidine

Concen: 6.071 ng

RT: 19.962 min Scan# 2872

Delta R.T. 0.380 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

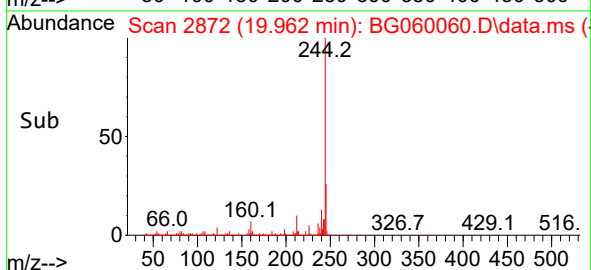
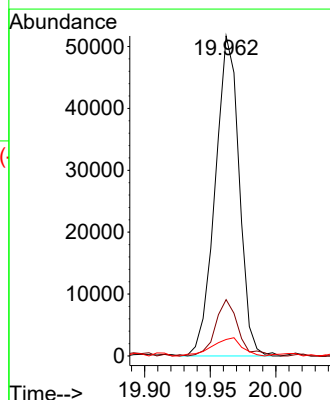
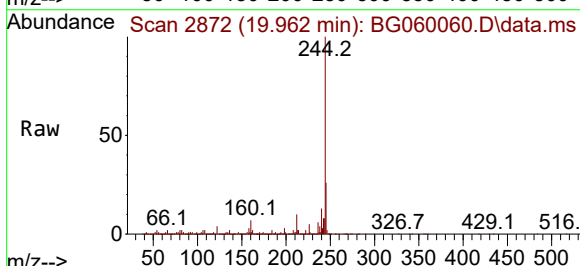
Tgt Ion:184 Resp: 65666

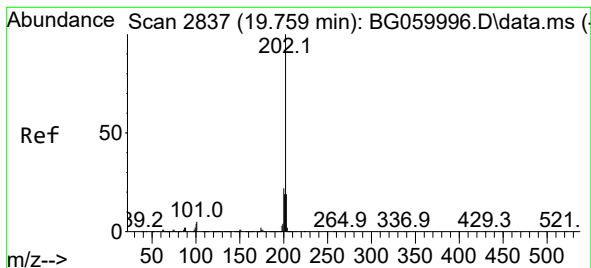
Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

183 5.1 9.0 13.4#





#78

Pyrene

Concen: 3.367 ng

RT: 19.757 min Scan# 2837

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

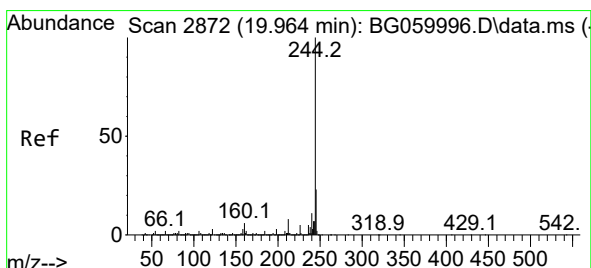
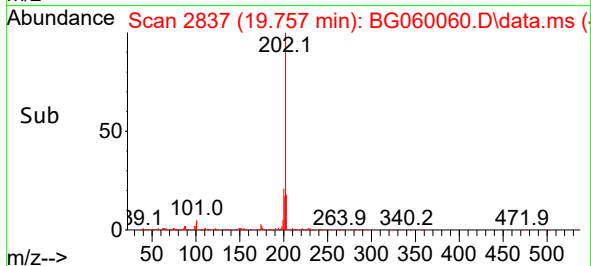
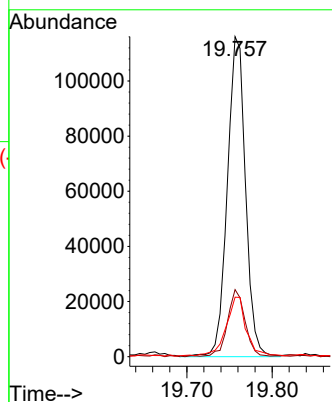
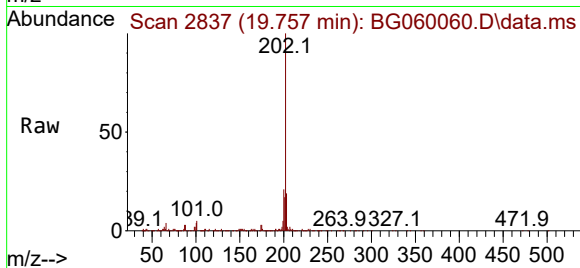
Tgt Ion:202 Resp: 171906

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

203 18.6 14.9 22.3



#79

Terphenyl-d14

Concen: 84.816 ng

RT: 19.962 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

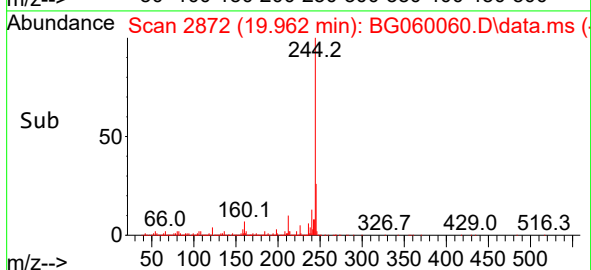
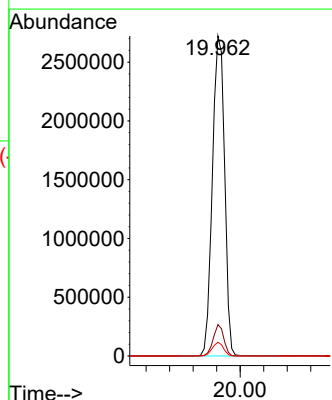
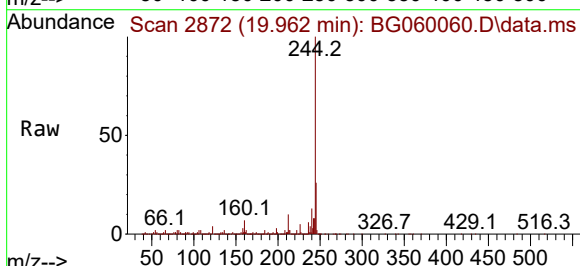
Tgt Ion:244 Resp: 3912308

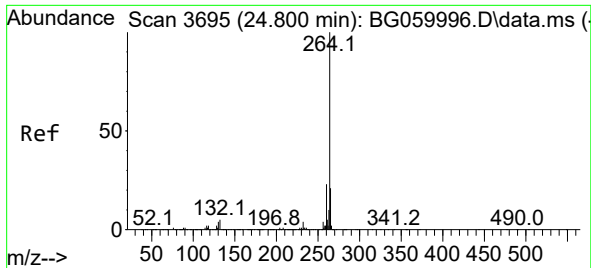
Ion Ratio Lower Upper

244 100

212 9.8 6.8 10.2

122 4.3 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060060.D
 Acq: 16 Dec 2023 8:03

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Tgt Ion:264 Resp: 989465
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.5 27.7
 265 20.1 17.3 25.9

