

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057015.D
 Acq On : 6 Apr 2023 16:54
 Operator : CG/JU
 Sample : 02191-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11982MS

Quant Time: Apr 07 01:37:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	16086	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	62929	20.000	ng	# 0.00
39) Acenaphthene-d10	15.022	164	44734	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	104155	20.000	ng	0.00
76) Chrysene-d12	22.083	240	88993	20.000	ng	0.00
86) Perylene-d12	25.620	264	96874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	96853	96.362	ng	0.00
7) Phenol-d6	7.544	99	143706	95.597	ng	0.00
23) Nitrobenzene-d5	9.588	82	91458	59.468	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	70635	98.840	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	215392	65.291	ng	0.00
79) Terphenyl-d14	20.327	244	332892	63.298	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	17238	39.124	ng	95
3) Pyridine	4.149	79	50614	35.666	ng	97
4) n-Nitrosodimethylamine	4.055	42	27841	42.671	ng	99
6) Aniline	7.720	93	68844	35.824	ng	97
8) 2-Chlorophenol	7.967	128	52844	52.785	ng	91
9) Benzaldehyde	7.532	77	37078	39.325	ng	94
10) Phenol	7.574	94	73916	49.624	ng	98
11) bis(2-Chloroethyl)ether	7.809	93	49104	46.280	ng	96
12) 1,3-Dichlorobenzene	8.302	146	58637	53.008	ng	94
13) 1,4-Dichlorobenzene	8.449	146	59311	53.124	ng	98
14) 1,2-Dichlorobenzene	8.772	146	55535	51.486	ng	96
15) Benzyl Alcohol	8.643	79	57747	46.232	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.931	45	56812	44.429	ng	98
17) 2-Methylphenol	8.842	107	50048	47.096	ng	93
18) Hexachloroethane	9.512	117	21150	51.830	ng	# 82
19) n-Nitroso-di-n-propyla...	9.212	70	46067	42.844	ng	99
20) 3+4-Methylphenols	9.171	107	67508	45.430	ng	97
22) Acetophenone	9.242	105	86230	46.050	ng	# 97
24) Nitrobenzene	9.630	77	71097	45.216	ng	99
25) Isophorone	10.152	82	122773	41.921	ng	96
26) 2-Nitrophenol	10.346	139	29964	49.371	ng	92
27) 2,4-Dimethylphenol	10.393	122	53092	49.546	ng	96
28) bis(2-Chloroethoxy)met...	10.628	93	63686	43.436	ng	94
29) 2,4-Dichlorophenol	10.887	162	57002	49.463	ng	97
30) 1,2,4-Trichlorobenzene	11.110	180	61874	50.531	ng	97
31) Naphthalene	11.304	128	165056	48.120	ng	99
32) Benzoic acid	10.534	122	33562	45.596	ng	91
33) 4-Chloroaniline	11.398	127	43520	28.093	ng	97
34) Hexachlorobutadiene	11.574	225	45834	49.830	ng	98
35) Caprolactam	12.173	113	12587	31.671	ng	94
36) 4-Chloro-3-methylphenol	12.490	107	60241	46.742	ng	100
37) 2-Methylnaphthalene	12.878	142	121719	44.712	ng	100
38) 1-Methylnaphthalene	13.095	142	113209	44.287	ng	100
40) 1,2,4,5-Tetrachloroben...	13.236	216	82847	53.407	ng	98
41) Hexachlorocyclopentadiene	13.213	237	99140	115.994	ng	94
43) 2,4,6-Trichlorophenol	13.466	196	51596	52.122	ng	97

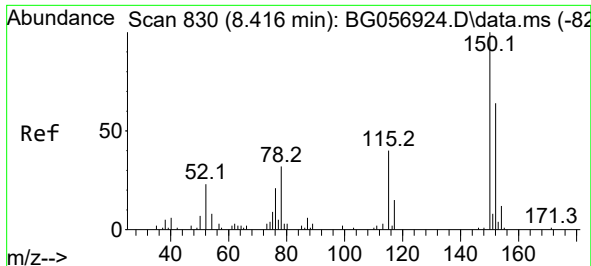
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.542	196	56303	48.011	ng	98
46) 1,1'-Biphenyl	13.859	154	170989	52.216	ng	97
47) 2-Chloronaphthalene	13.912	162	128360	52.999	ng	97
48) 2-Nitroaniline	14.106	65	41510	47.932	ng	98
49) Acenaphthylene	14.752	152	201427	50.619	ng	99
50) Dimethylphthalate	14.458	163	162883	46.212	ng	# 98
51) 2,6-Dinitrotoluene	14.588	165	36212	47.550	ng	96
52) Acenaphthene	15.087	154	124539	45.379	ng	94
53) 3-Nitroaniline	14.917	138	28457	37.751	ng	93
54) 2,4-Dinitrophenol	15.128	184	49917	116.452	ng	93
55) Dibenzofuran	15.422	168	201797	48.991	ng	96
56) 4-Nitrophenol	15.216	139	58313	104.615	ng	89
57) 2,4-Dinitrotoluene	15.369	165	52213	48.612	ng	100
58) Fluorene	16.062	166	167087	49.021	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.639	232	52926	49.568	ng	# 99
60) Diethylphthalate	15.809	149	164167	46.460	ng	99
61) 4-Chlorophenyl-phenyle...	16.044	204	96349	48.146	ng	95
62) 4-Nitroaniline	16.080	138	35808	45.849	ng	88
63) Azobenzene	16.338	77	166200	47.196	ng	98
65) 4,6-Dinitro-2-methylph...	16.133	198	35630	56.483	ng	98
66) n-Nitrosodiphenylamine	16.256	169	138616	49.577	ng	99
67) 4-Bromophenyl-phenylether	16.937	248	62052	48.150	ng	98
68) Hexachlorobenzene	17.067	284	68909	54.084	ng	99
69) Atrazine	17.190	200	60612	52.224	ng	97
70) Pentachlorophenol	17.407	266	88678	97.015	ng	94
71) Phenanthrene	17.807	178	362368	68.239	ng	99
72) Anthracene	17.895	178	271277	49.833	ng	99
73) Carbazole	18.159	167	235771	49.675	ng	97
74) Di-n-butylphthalate	18.682	149	257167	46.791	ng	100
75) Fluoranthene	19.792	202	473401	70.325	ng	100
77) Benzidine	19.957	184	80677	33.167	ng	98
78) Pyrene	20.156	202	474099	77.024	ng	98
80) Butylbenzylphthalate	21.008	149	103128	48.689	ng	95
81) Benzo(a)anthracene	22.060	228	381211	61.902	ng	99
82) 3,3'-Dichlorobenzidine	21.954	252	69713	33.523	ng	100
83) Chrysene	22.136	228	365034	63.307	ng	99
84) Bis(2-ethylhexyl)phtha...	21.913	149	149980	48.899	ng	98
85) Di-n-octyl phthalate	23.223	149	246361	47.665	ng	99
87) Indeno(1,2,3-cd)pyrene	29.738	276	414034	57.830	ng	# 97
88) Benzo(b)fluoranthene	24.498	252	417912	68.987	ng	99
89) Benzo(k)fluoranthene	24.568	252	340483	56.300	ng	99
90) Benzo(a)pyrene	25.461	252	347152	58.318	ng	99
91) Dibenzo(a,h)anthracene	29.791	278	306321	52.052	ng	97
92) Benzo(g,h,i)perylene	31.018	276	342090	59.365	ng	97

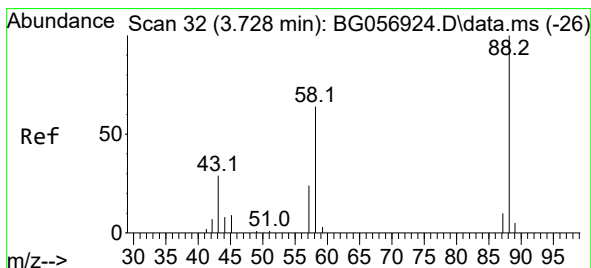
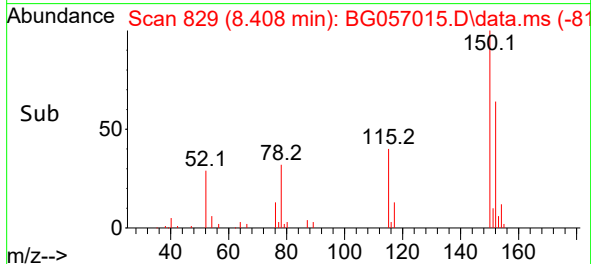
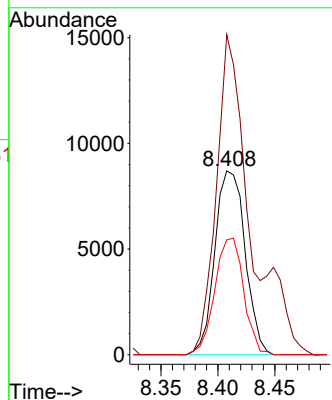
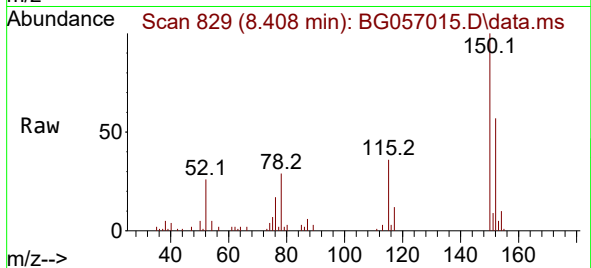
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057015.D
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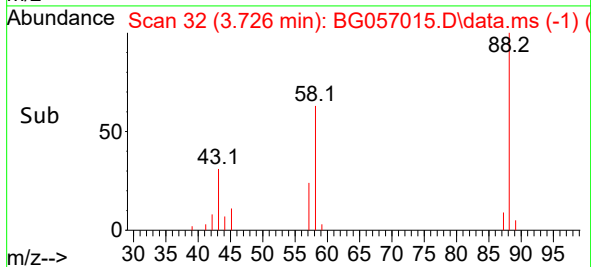
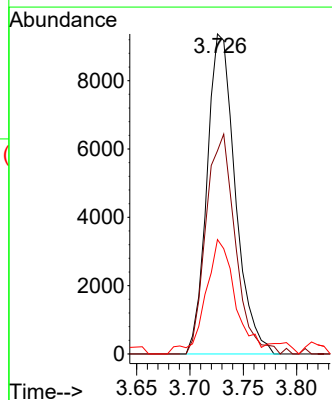
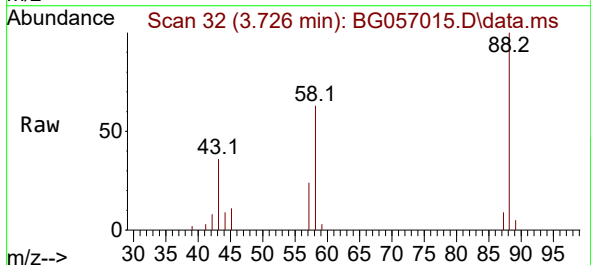
Instrument :
BNA_G
ClientSampleId :
72-11982MS

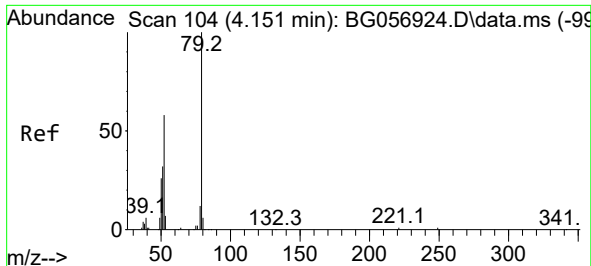
Tgt Ion:152 Resp: 16086
Ion Ratio Lower Upper
152 100
150 174.1 124.1 186.1
115 62.5 49.1 73.7



#2
1,4-Dioxane
Concen: 39.124 ng
RT: 3.726 min Scan# 32
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 88 Resp: 17238
Ion Ratio Lower Upper
88 100
58 71.6 55.9 83.9
43 38.0 25.7 38.5

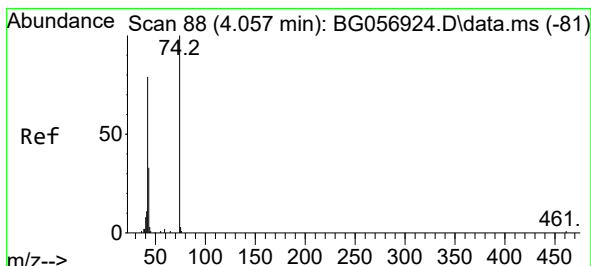
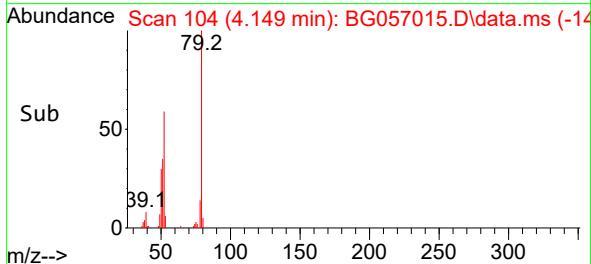
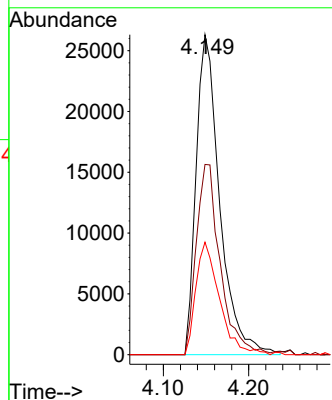
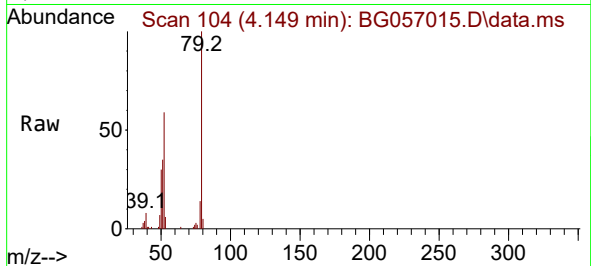




#3
 Pyridine
 Concen: 35.666 ng
 RT: 4.149 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

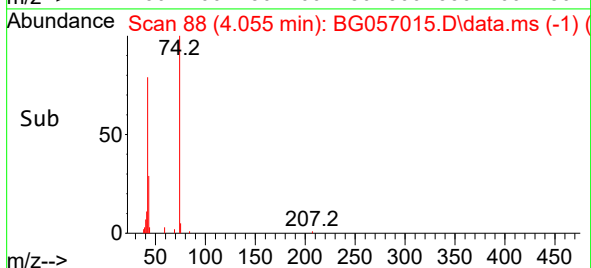
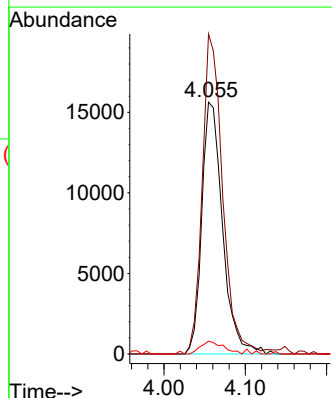
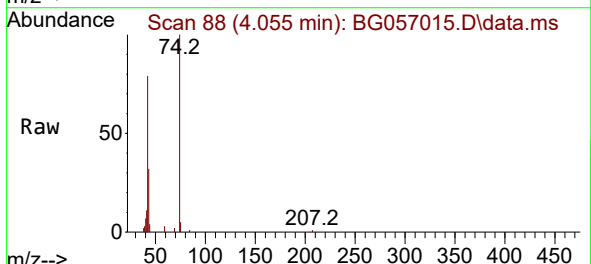
Instrument :
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 ClientSampleId :
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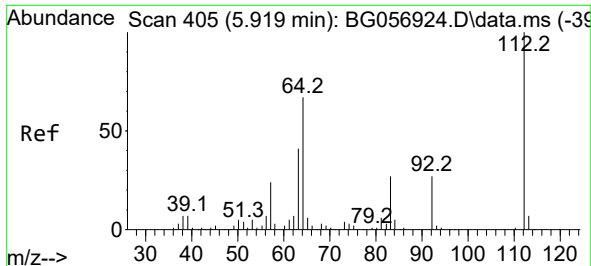
Tgt Ion: 79 Resp: 50614
 Ion Ratio Lower Upper
 79 100
 52 59.4 46.1 69.1
 51 35.1 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 42.671 ng
 RT: 4.055 min Scan# 88
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

Tgt Ion: 42 Resp: 27841
 Ion Ratio Lower Upper
 42 100
 74 127.1 100.6 151.0
 44 5.1 4.6 7.0

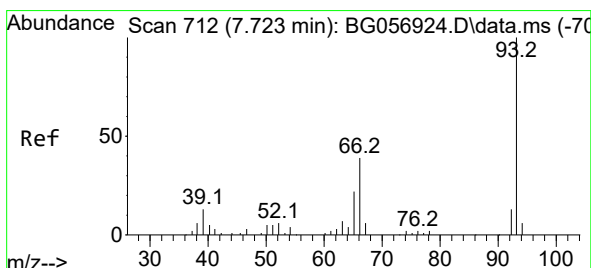
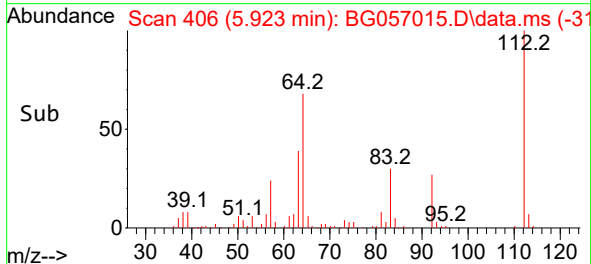
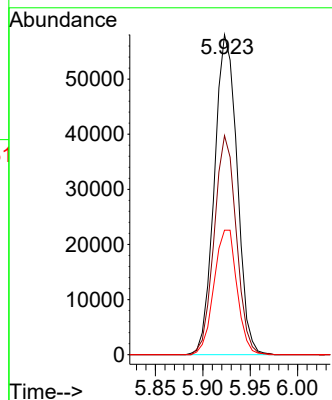
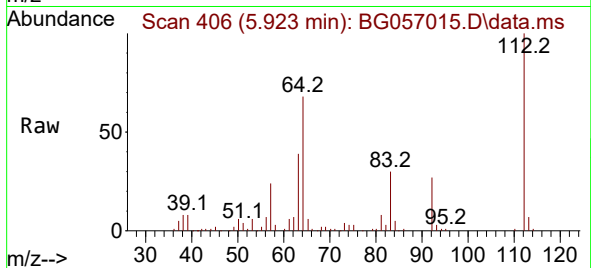




#5
2-Fluorophenol
Concen: 96.362 ng
RT: 5.923 min Scan# 405
Delta R.T. 0.006 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

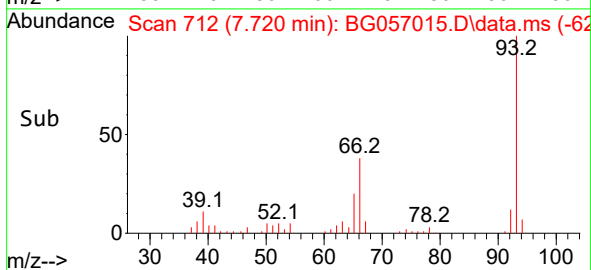
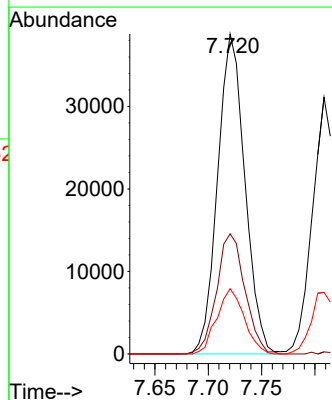
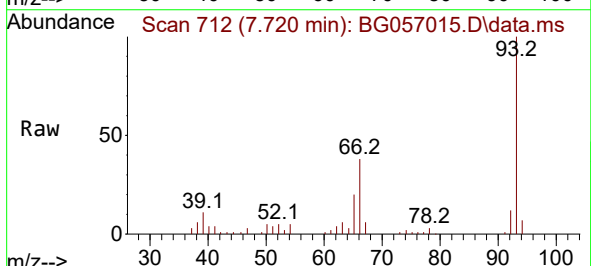
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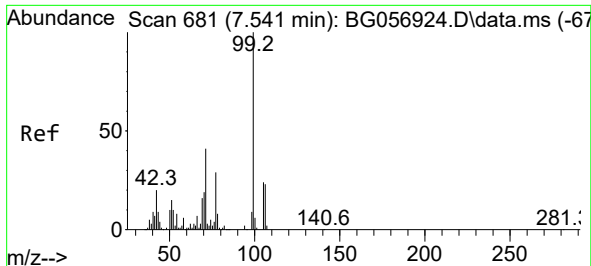
Tgt Ion:112 Resp: 96853
Ion Ratio Lower Upper
112 100
64 68.5 53.2 79.8
63 38.9 32.6 48.8



#6
Aniline
Concen: 35.824 ng
RT: 7.720 min Scan# 712
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 93 Resp: 68844
Ion Ratio Lower Upper
93 100
66 37.6 31.4 47.0
65 20.4 17.3 25.9

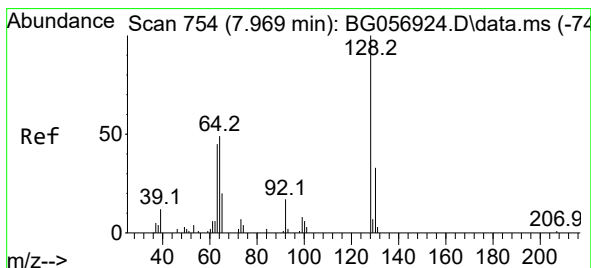
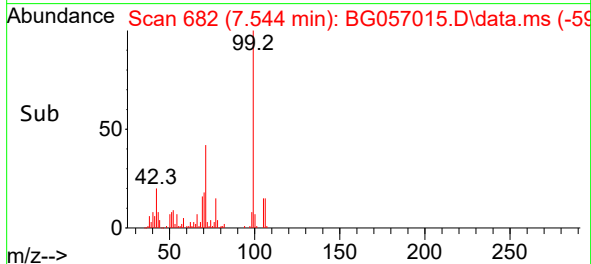
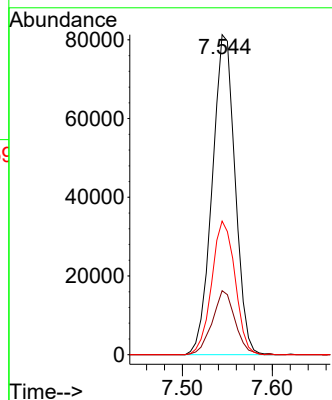
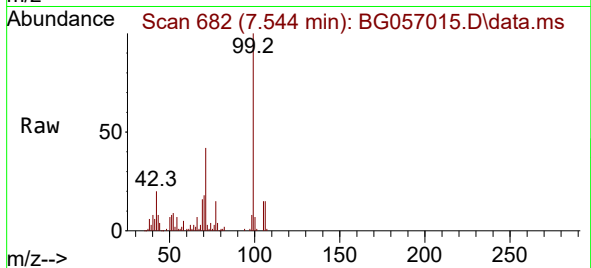




#7
Phenol-d6
Concen: 95.597 ng
RT: 7.544 min Scan# 681
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

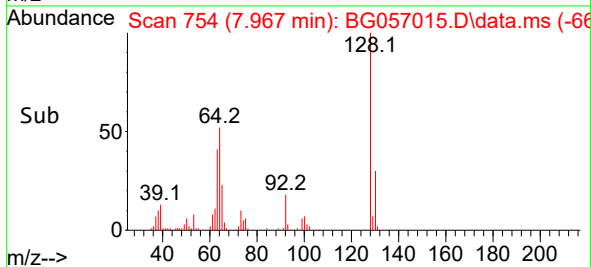
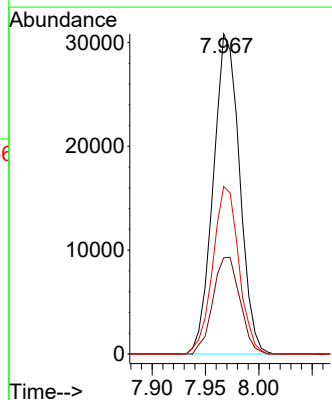
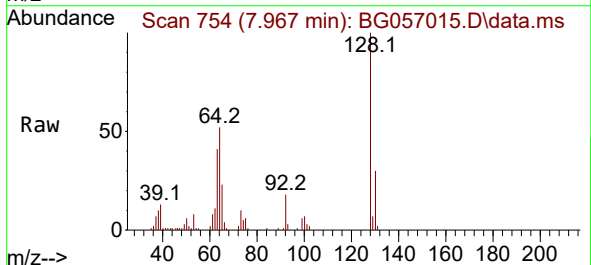
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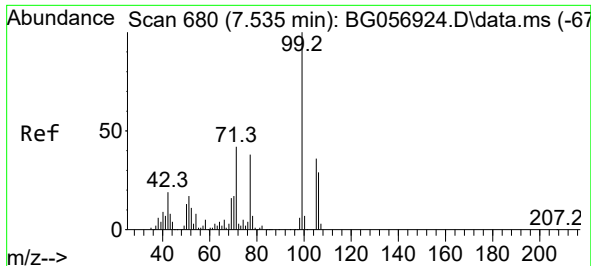
Tgt Ion: 99 Resp: 143706
Ion Ratio Lower Upper
99 100
42 20.0 15.7 23.5
71 41.7 32.5 48.7



#8
2-Chlorophenol
Concen: 52.785 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 128 Resp: 52844
Ion Ratio Lower Upper
128 100
130 30.0 12.6 52.6
64 52.4 40.6 80.6

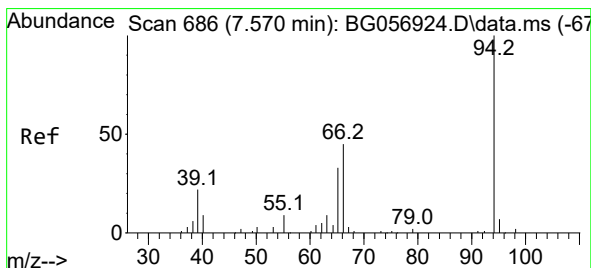
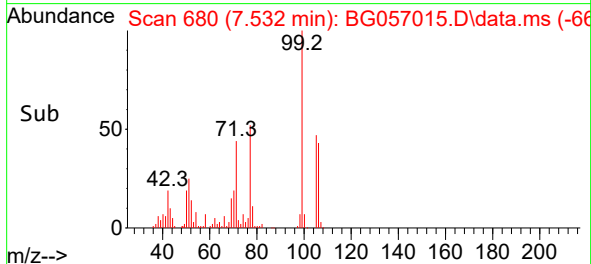
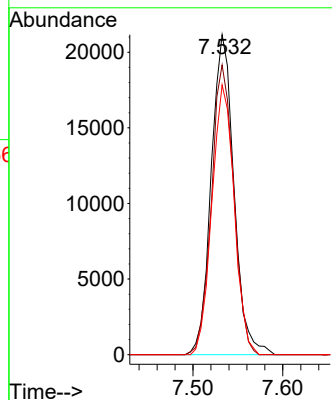
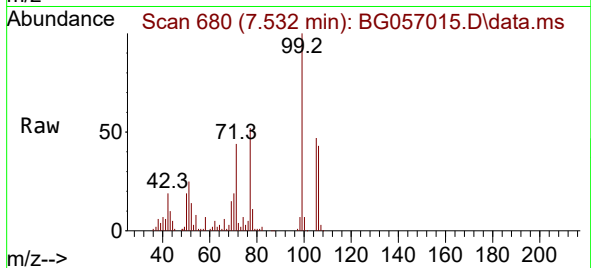




#9
Benzaldehyde
Concen: 39.325 ng
RT: 7.532 min Scan# 680
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

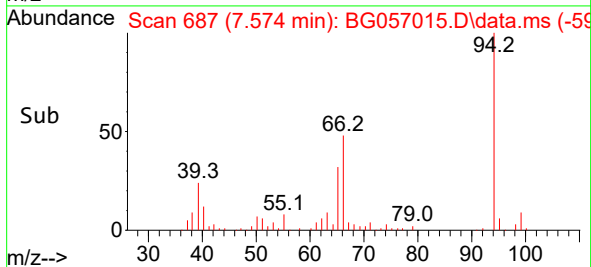
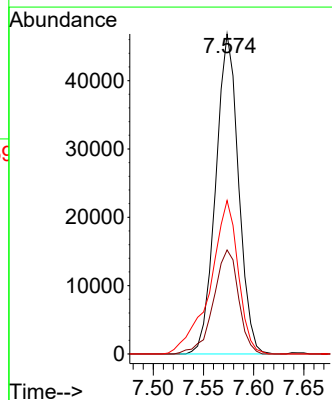
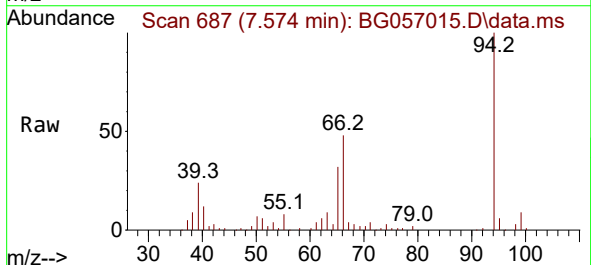
Instrument :
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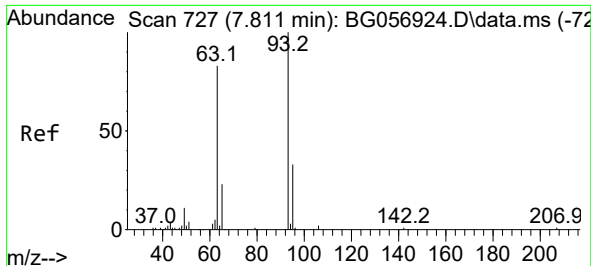
Tgt Ion: 77 Resp: 37078
Ion Ratio Lower Upper
77 100
105 90.5 73.6 113.6
106 84.3 56.7 96.7



#10
Phenol
Concen: 49.624 ng
RT: 7.574 min Scan# 687
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 94 Resp: 73916
Ion Ratio Lower Upper
94 100
65 32.5 13.3 53.3
66 47.9 26.7 66.7

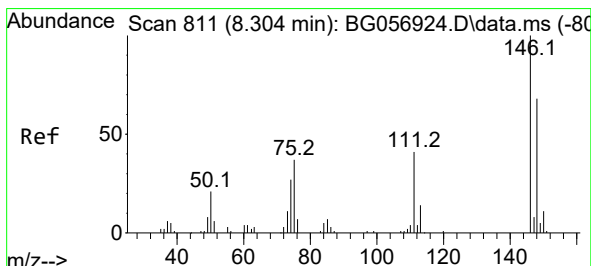
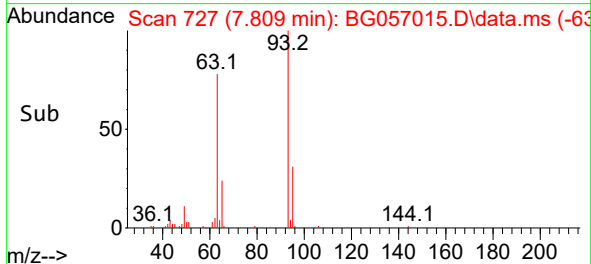
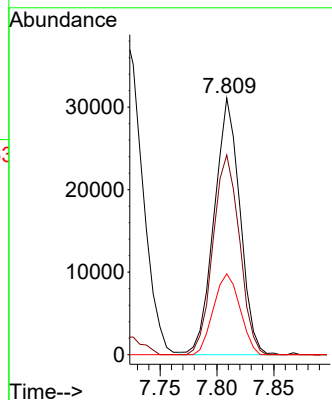
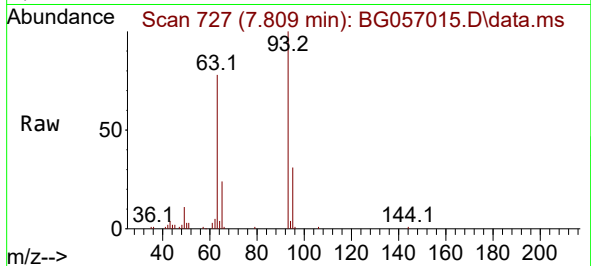




#11
bis(2-Chloroethyl)ether
Concen: 46.280 ng
RT: 7.809 min Scan# 727
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

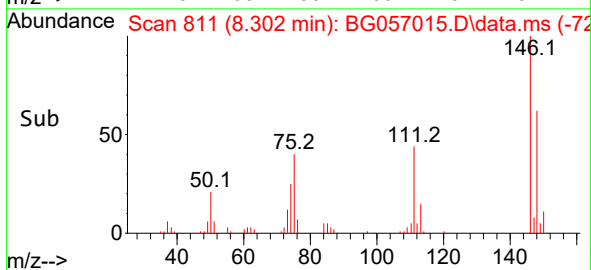
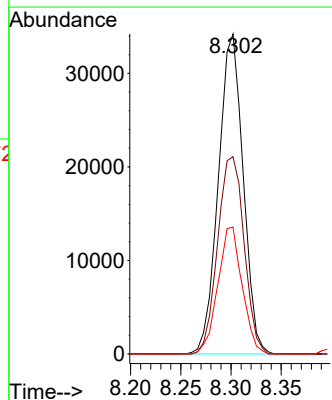
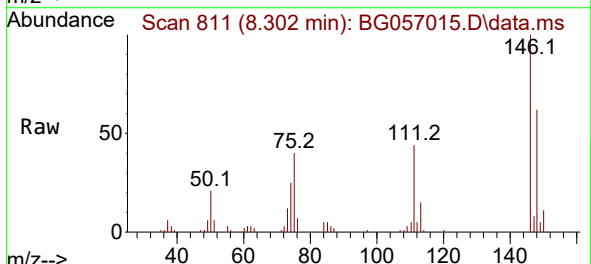
Instrument :
BNA_G
ClientSampleId :
72-11982MS

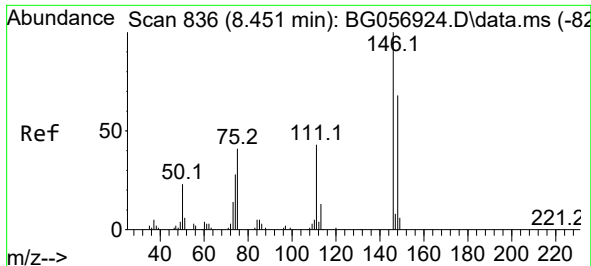
Tgt Ion: 93 Resp: 49104
Ion Ratio Lower Upper
93 100
63 77.8 62.7 102.7
95 31.5 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 53.008 ng
RT: 8.302 min Scan# 811
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:146 Resp: 58637
Ion Ratio Lower Upper
146 100
148 61.6 54.2 81.4
75 39.7 29.8 44.8





#13

1,4-Dichlorobenzene

Concen: 53.124 ng

RT: 8.449 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

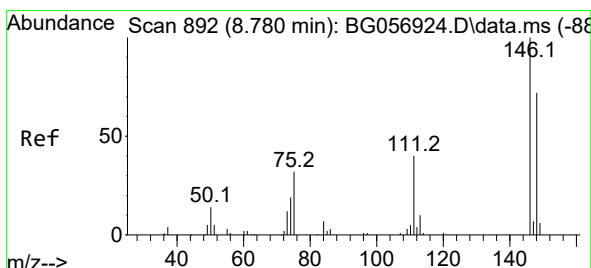
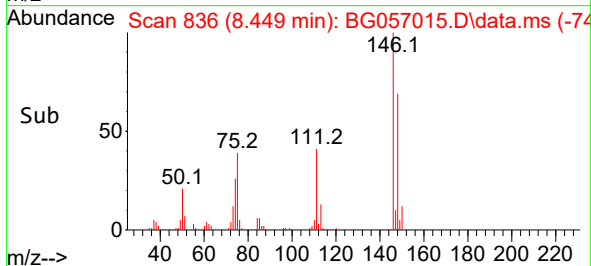
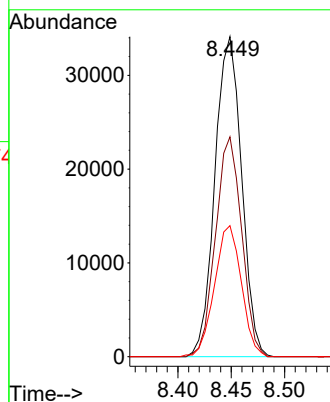
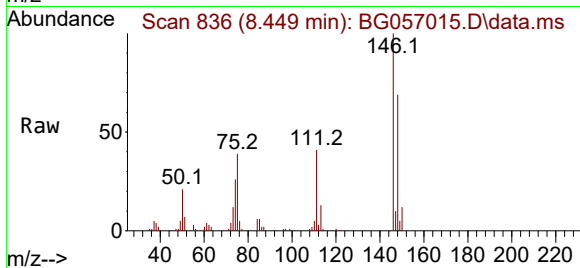
Tgt Ion:146 Resp: 59311

Ion Ratio Lower Upper

146 100

148 68.7 54.8 82.2

111 40.9 34.6 52.0



#14

1,2-Dichlorobenzene

Concen: 51.486 ng

RT: 8.772 min Scan# 891

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

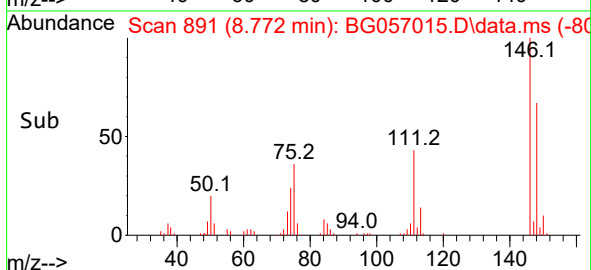
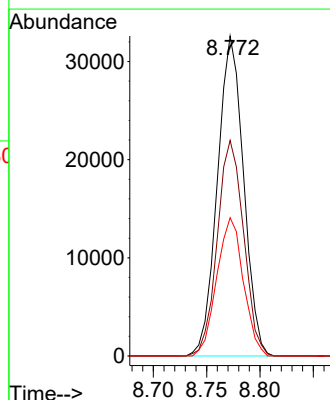
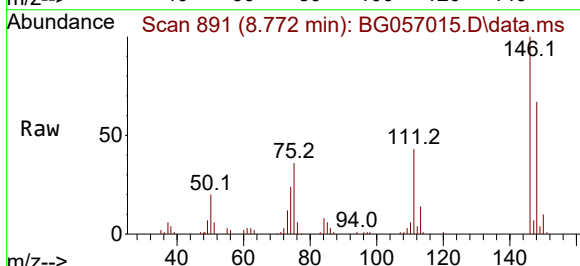
Tgt Ion:146 Resp: 55535

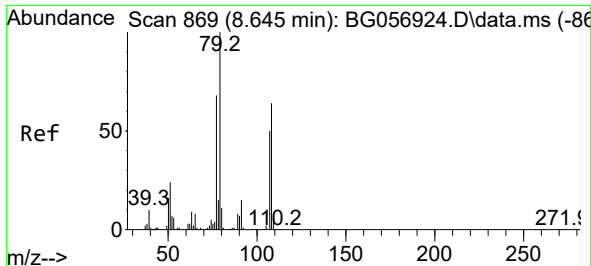
Ion Ratio Lower Upper

146 100

148 67.4 57.4 86.0

111 43.2 33.2 49.8

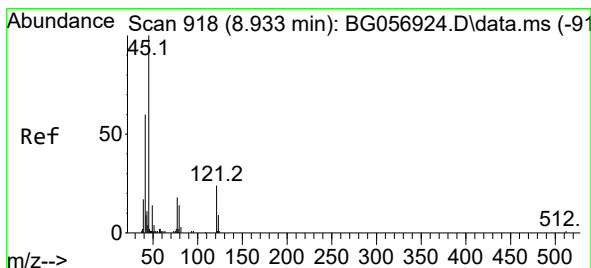
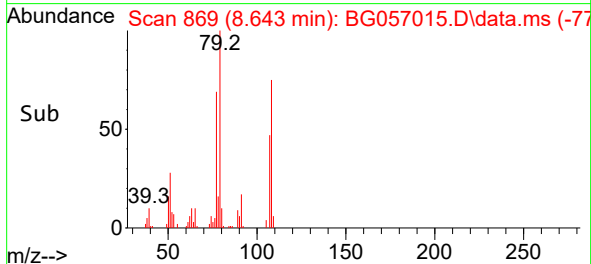
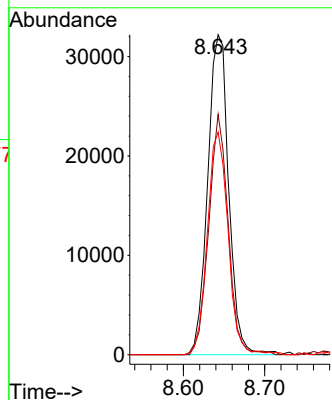
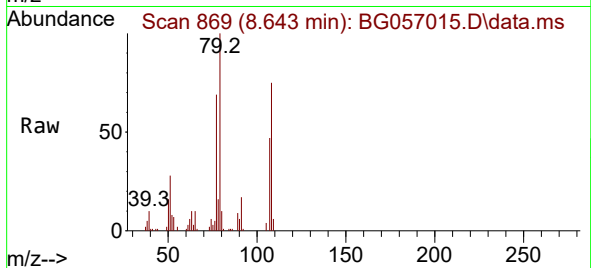




#15
Benzyl Alcohol
Concen: 46.232 ng
RT: 8.643 min Scan# 869
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

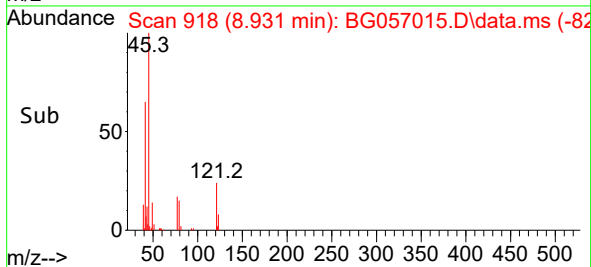
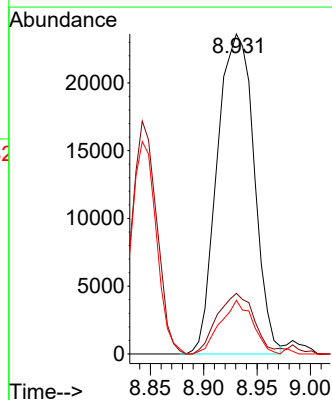
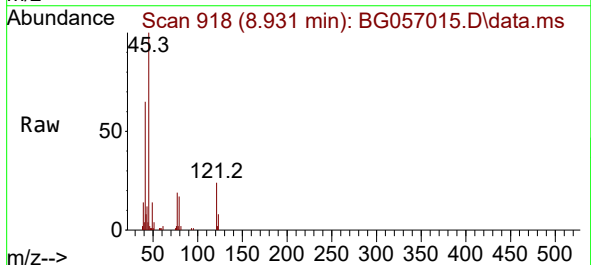
Instrument :
BNA_G
ClientSampleId :
72-11982MS

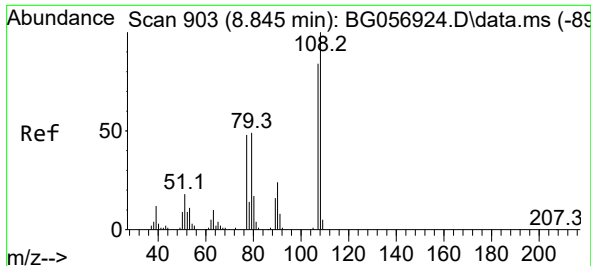
Tgt Ion: 79 Resp: 57747
Ion Ratio Lower Upper
79 100
108 75.1 51.2 76.8
77 69.5 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.429 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 45 Resp: 56812
Ion Ratio Lower Upper
45 100
77 19.0 0.0 38.7
79 16.7 0.0 35.1

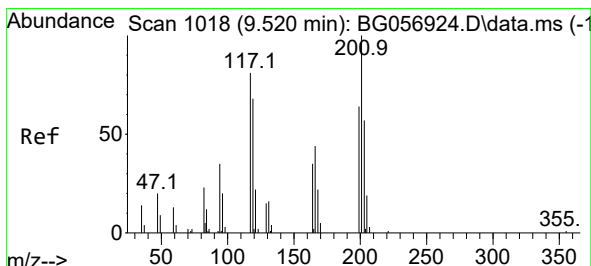
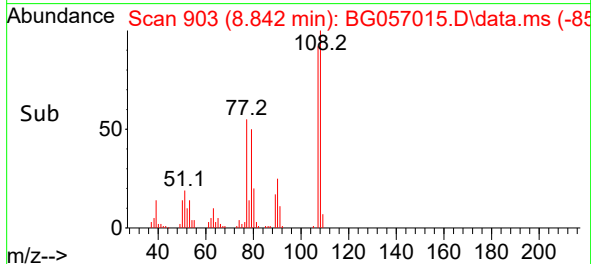
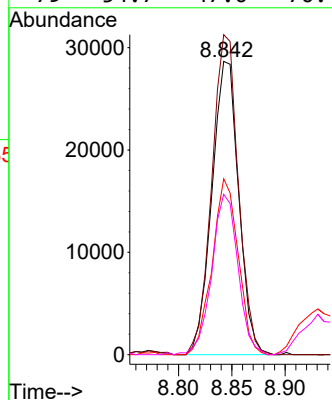
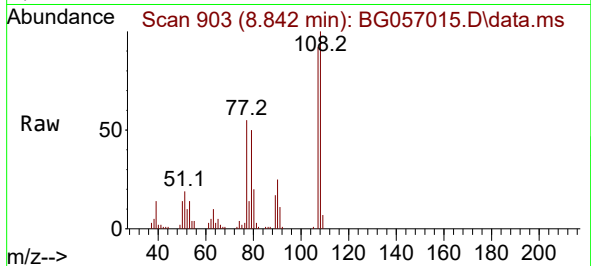




#17
2-Methylphenol
Concen: 47.096 ng
RT: 8.842 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

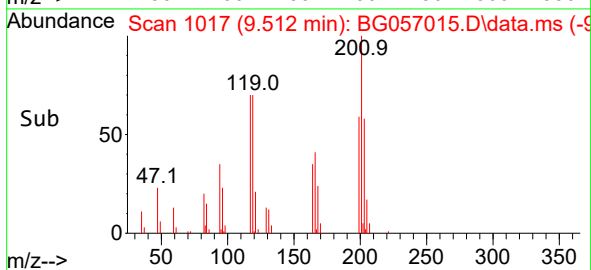
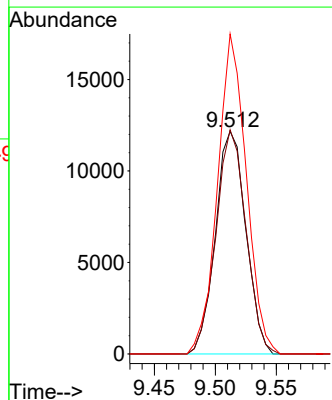
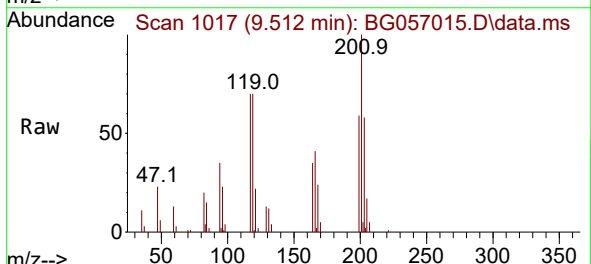
Instrument :
BNA_G
ClientSampleId :
72-11982MS

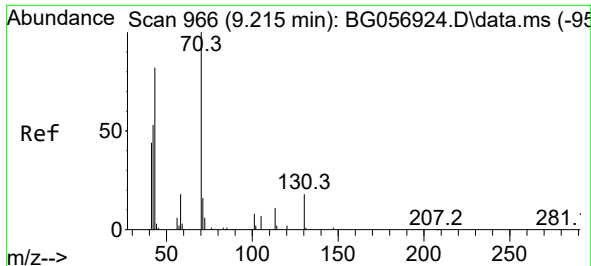
Tgt Ion:	107	Resp:	50048
Ion	Ratio	Lower	Upper
107	100		
108	109.1	96.0	144.0
77	60.0	45.6	68.4
79	54.7	47.0	70.4



#18
Hexachloroethane
Concen: 51.830 ng
RT: 9.512 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:	117	Resp:	21150
Ion	Ratio	Lower	Upper
117	100		
119	100.7	67.0	100.6#
201	143.8	98.7	148.1

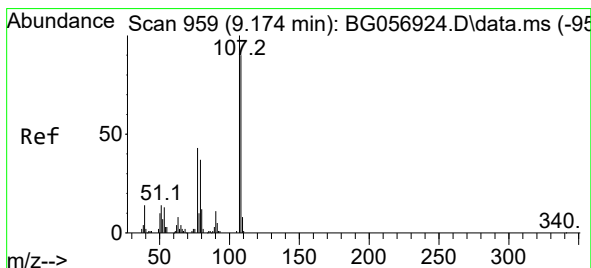
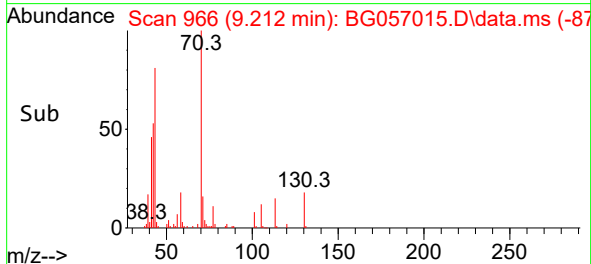
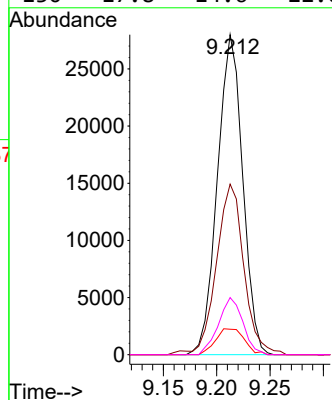
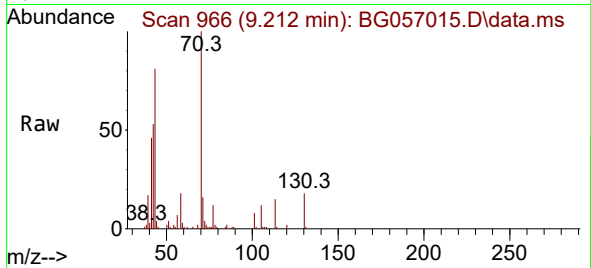




#19
n-Nitroso-di-n-propylamine
Concen: 42.844 ng
RT: 9.212 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

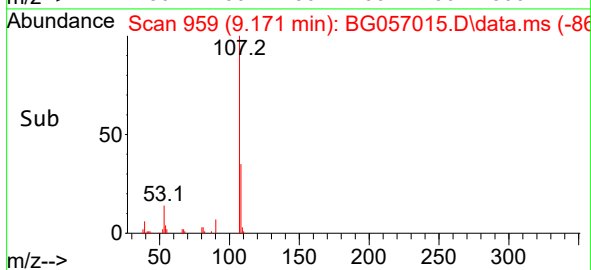
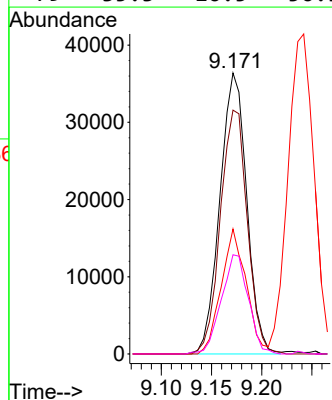
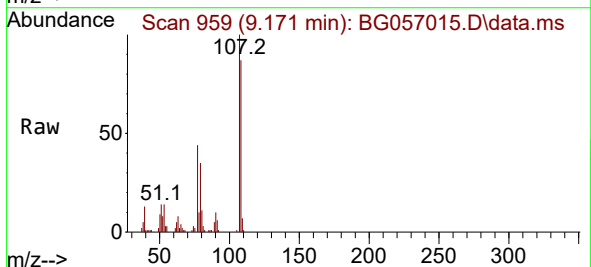
Instrument :
BNA_G
ClientSampleId :
72-11982MS

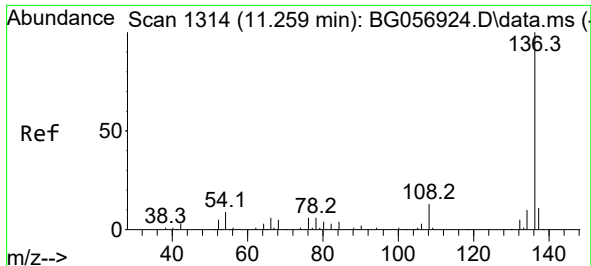
Tgt Ion: 70 Resp: 46067
Ion Ratio Lower Upper
70 100
42 53.3 43.4 65.0
101 8.0 6.2 9.2
130 17.8 14.6 22.0



#20
3+4-Methylphenols
Concen: 45.430 ng
RT: 9.171 min Scan# 959
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 107 Resp: 67508
Ion Ratio Lower Upper
107 100
108 86.8 69.9 109.9
77 44.5 22.7 62.7
79 35.3 16.5 56.5

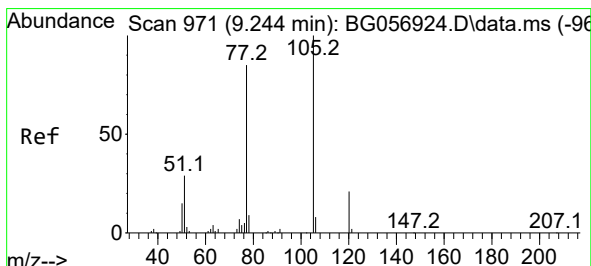
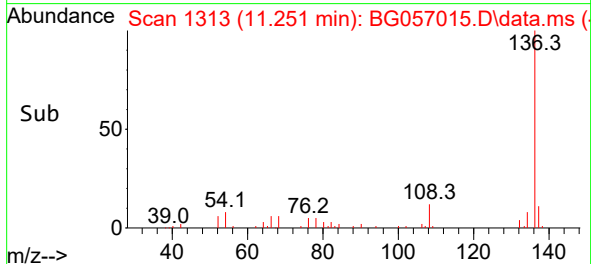
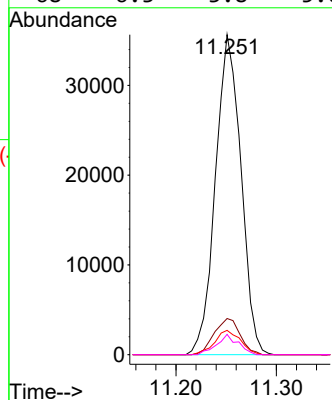
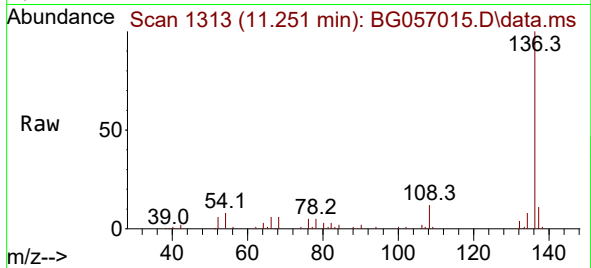




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

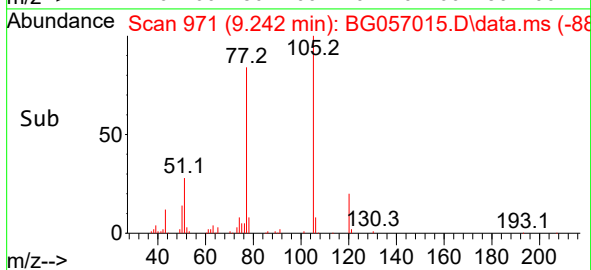
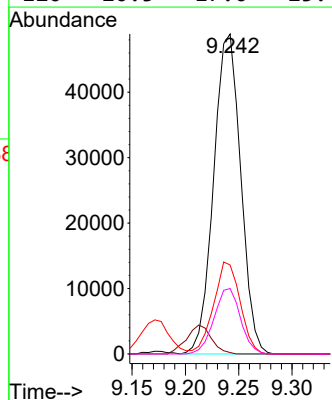
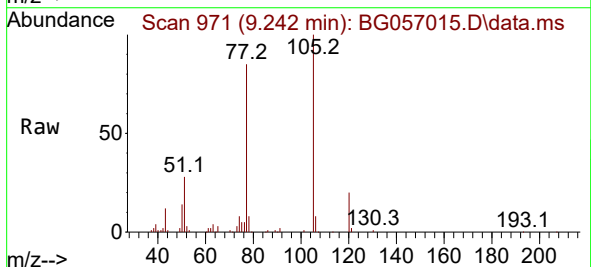
Instrument :
BNA_G
ClientSampleId :
72-11982MS

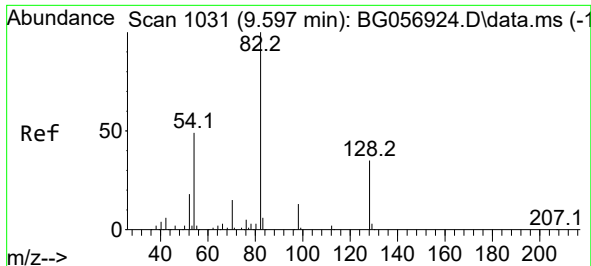
Tgt Ion:136 Resp: 62929
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.6 6.9 10.3
68 6.3 3.8 5.6#



#22
Acetophenone
Concen: 46.050 ng
RT: 9.242 min Scan# 971
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:105 Resp: 86230
Ion Ratio Lower Upper
105 100
71 0.4 0.7 1.1#
51 27.8 23.8 35.8
120 20.5 17.0 25.4

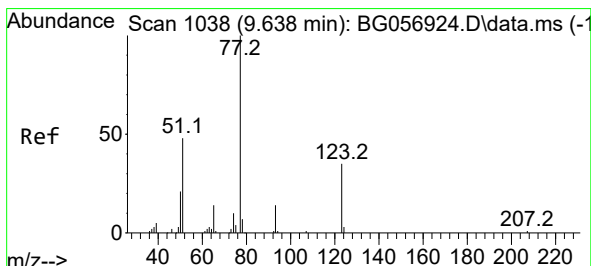
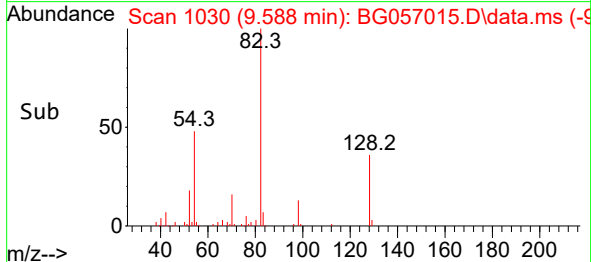
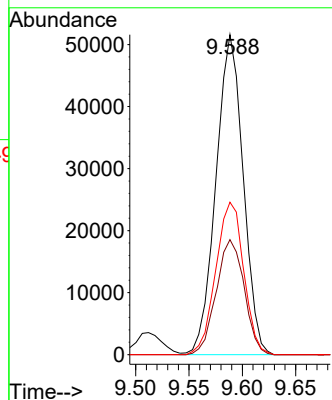
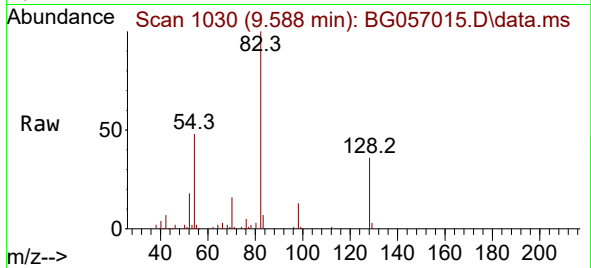




#23
Nitrobenzene-d5
Concen: 59.468 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

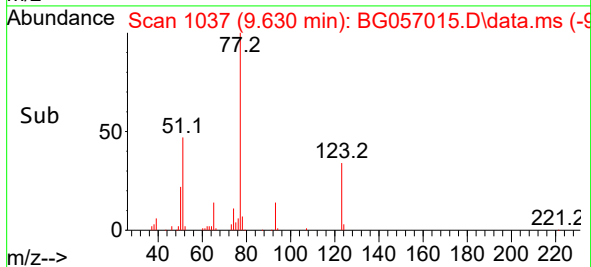
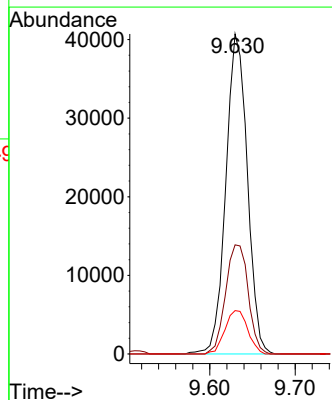
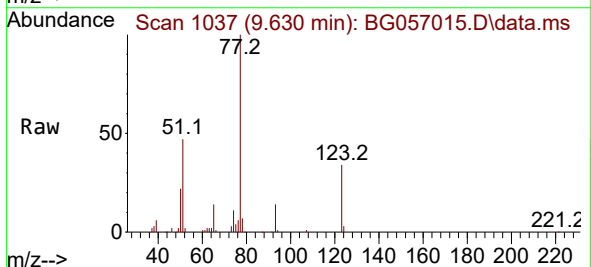
Instrument :
BNA_G
ClientSampleId :
72-11982MS

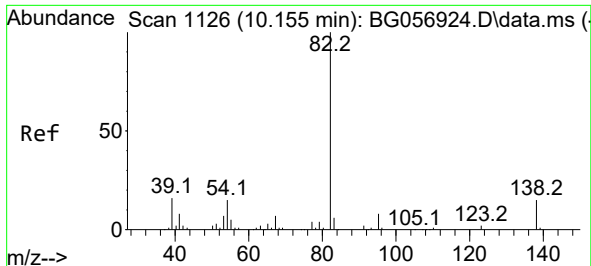
Tgt Ion: 82 Resp: 91458
Ion Ratio Lower Upper
82 100
128 35.9 27.9 41.9
54 47.7 39.4 59.2



#24
Nitrobenzene
Concen: 45.216 ng
RT: 9.630 min Scan# 1037
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 77 Resp: 71097
Ion Ratio Lower Upper
77 100
123 34.1 27.6 41.4
65 13.6 11.5 17.3

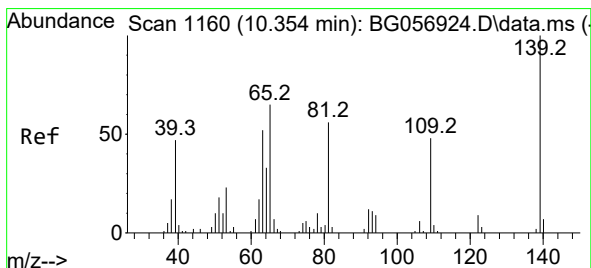
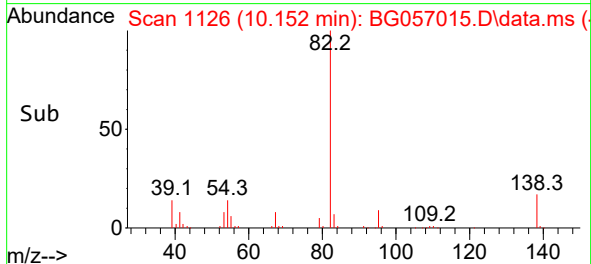
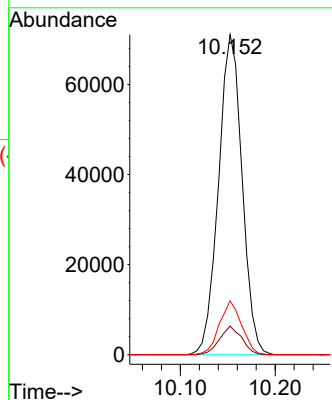
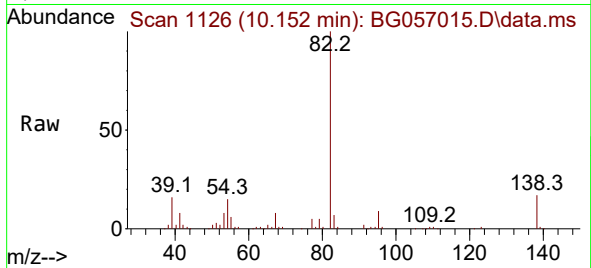




#25
Isophorone
Concen: 41.921 ng
RT: 10.152 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

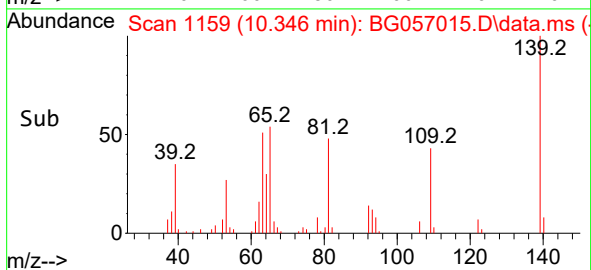
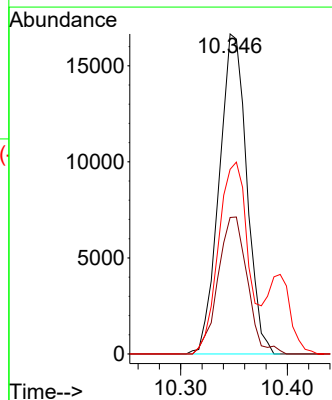
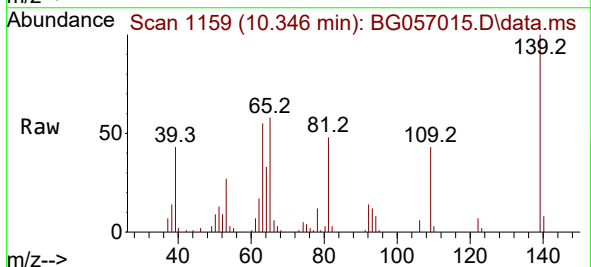
Instrument :
BNA_G
ClientSampleId :
72-11982MS

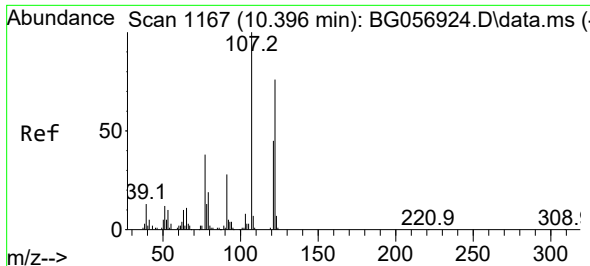
Tgt Ion: 82 Resp: 122773
Ion Ratio Lower Upper
82 100
95 8.9 6.3 9.5
138 16.8 11.8 17.8



#26
2-Nitrophenol
Concen: 49.371 ng
RT: 10.346 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:139 Resp: 29964
Ion Ratio Lower Upper
139 100
109 42.6 38.2 57.4
65 57.7 51.8 77.8

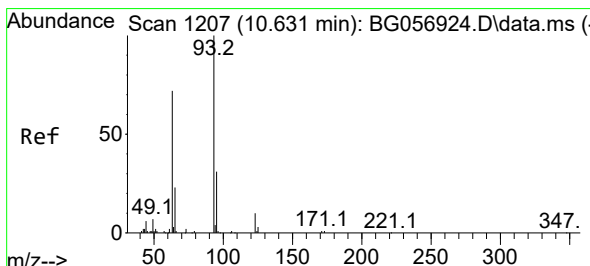
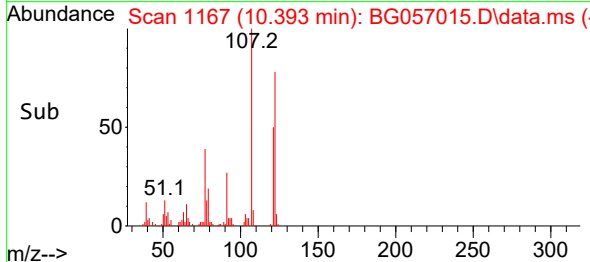
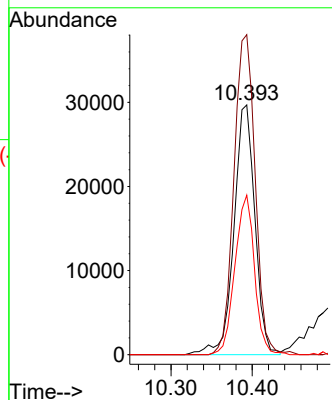
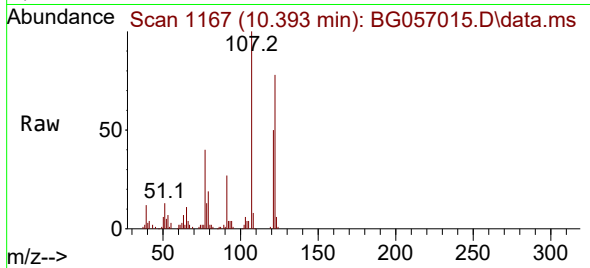




#27
2,4-Dimethylphenol
Concen: 49.546 ng
RT: 10.393 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

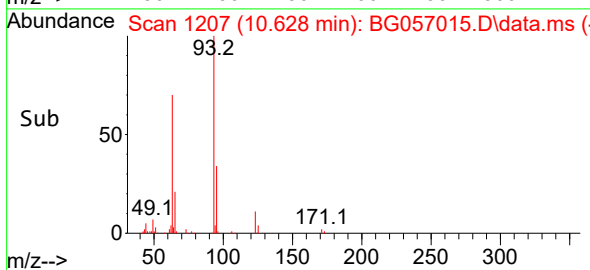
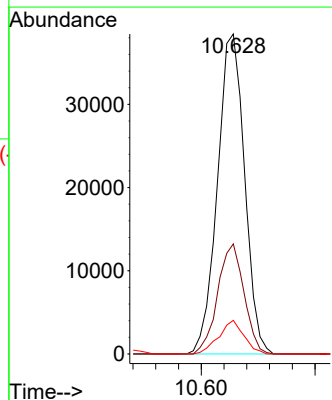
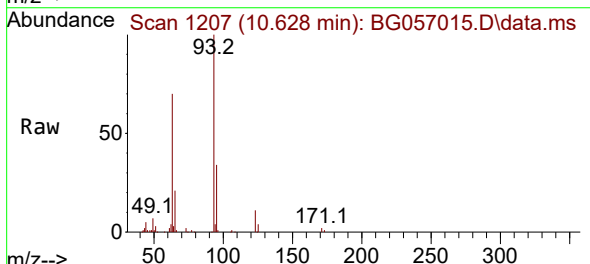
Instrument :
BNA_G
ClientSampleId :
72-11982MS

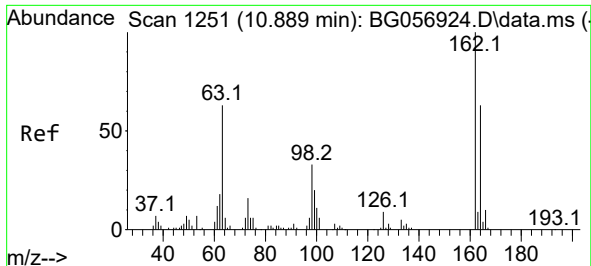
Tgt Ion:122 Resp: 53092
Ion Ratio Lower Upper
122 100
107 128.2 105.7 158.5
121 63.9 48.0 72.0



#28
bis(2-Chloroethoxy)methane
Concen: 43.436 ng
RT: 10.628 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion: 93 Resp: 63686
Ion Ratio Lower Upper
93 100
95 34.4 24.6 37.0
123 10.5 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 49.463 ng

RT: 10.887 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG057015.D

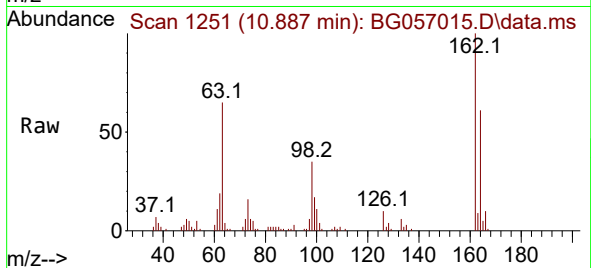
Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS



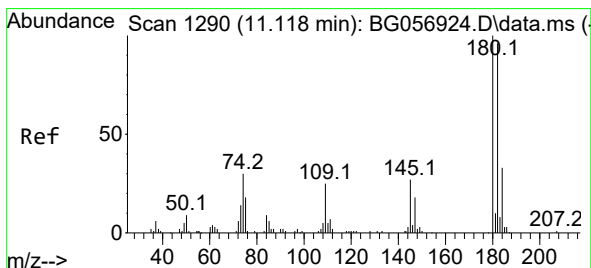
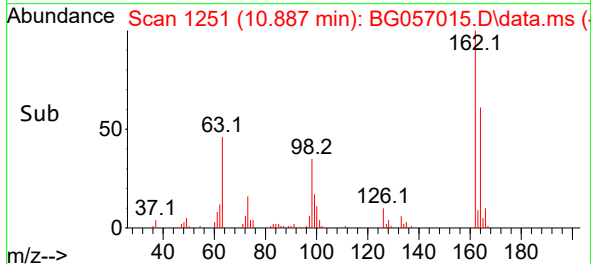
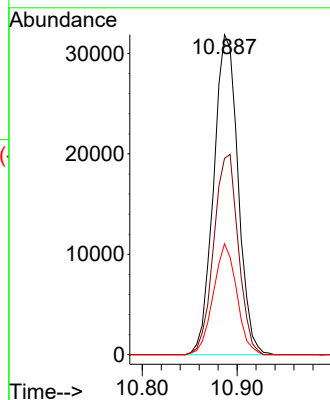
Tgt Ion:162 Resp: 57002

Ion Ratio Lower Upper

162 100

164 61.4 43.4 83.4

98 34.7 12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 50.531 ng

RT: 11.110 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

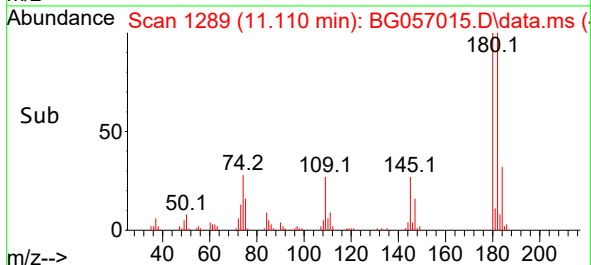
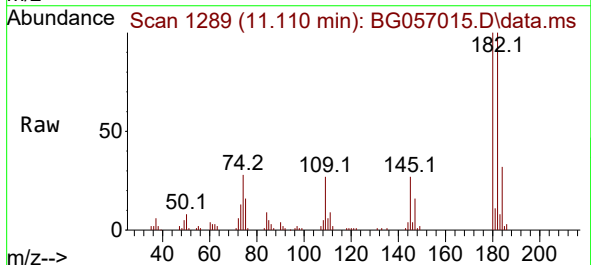
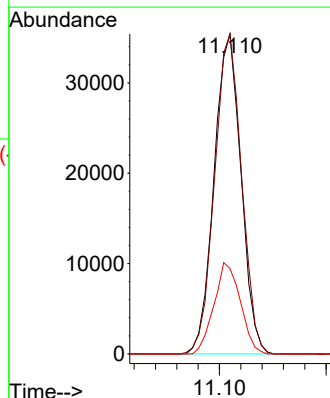
Tgt Ion:180 Resp: 61874

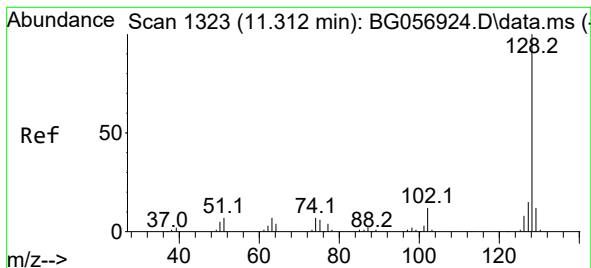
Ion Ratio Lower Upper

180 100

182 100.0 77.1 115.7

145 26.7 21.3 31.9





#31

Naphthalene

Concen: 48.120 ng

RT: 11.304 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

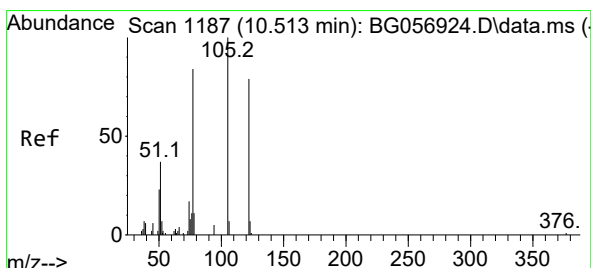
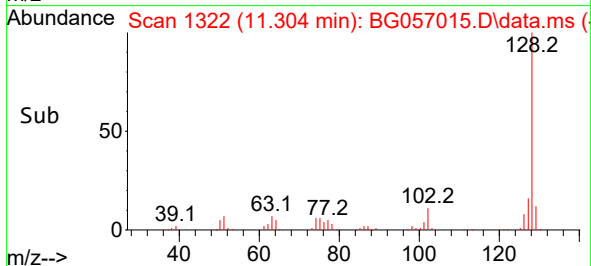
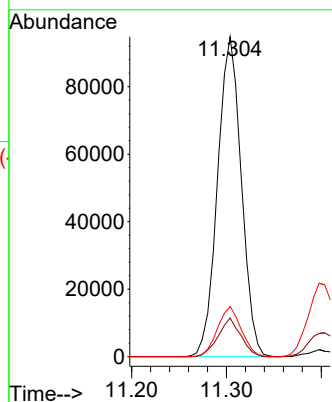
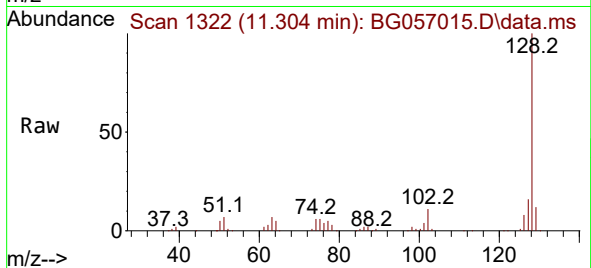
Tgt Ion:128 Resp: 165056

Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.2

127 15.7 12.2 18.4



#32

Benzoic acid

Concen: 45.596 ng

RT: 10.534 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

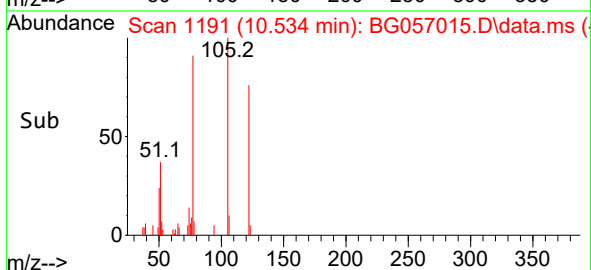
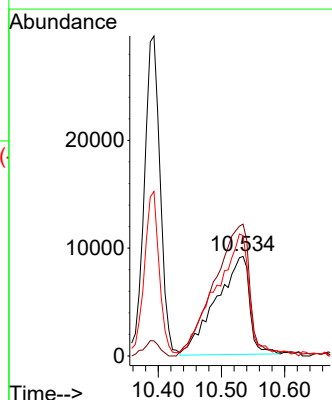
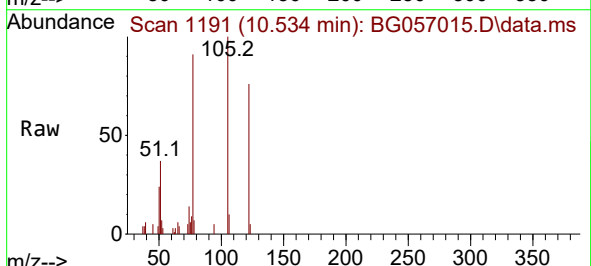
Tgt Ion:122 Resp: 33562

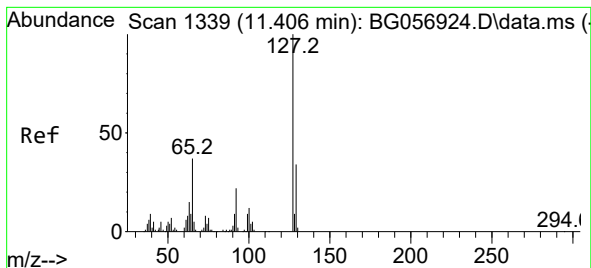
Ion Ratio Lower Upper

122 100

105 132.4 105.4 145.4

77 121.1 87.4 127.4





#33

4-Chloroaniline

Concen: 28.093 ng

RT: 11.398 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

Tgt Ion:127 Resp: 43520

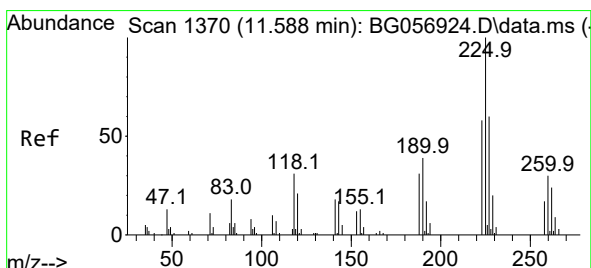
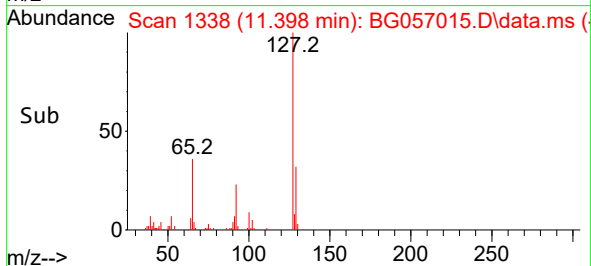
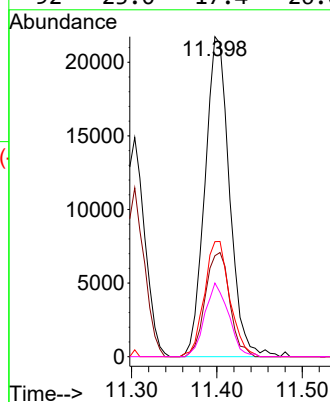
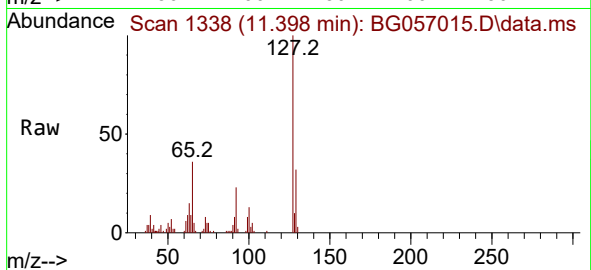
Ion Ratio Lower Upper

127 100

129 31.6 27.6 41.4

65 35.9 29.8 44.8

92 23.0 17.4 26.0



#34

Hexachlorobutadiene

Concen: 49.830 ng

RT: 11.574 min Scan# 1368

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

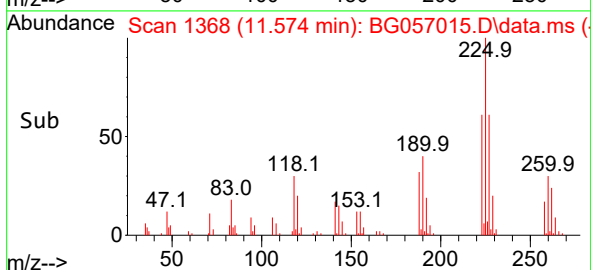
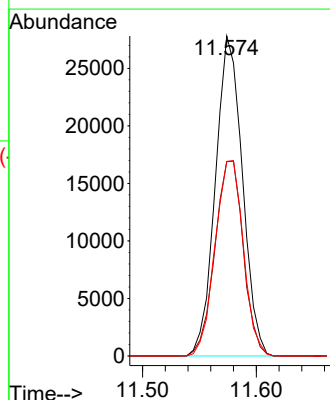
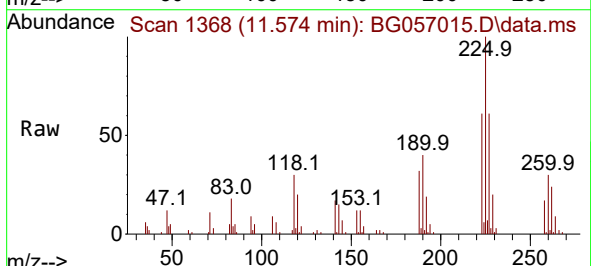
Tgt Ion:225 Resp: 45834

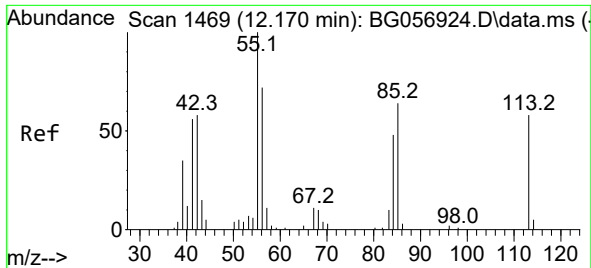
Ion Ratio Lower Upper

225 100

223 60.8 46.4 69.6

227 60.8 48.0 72.0

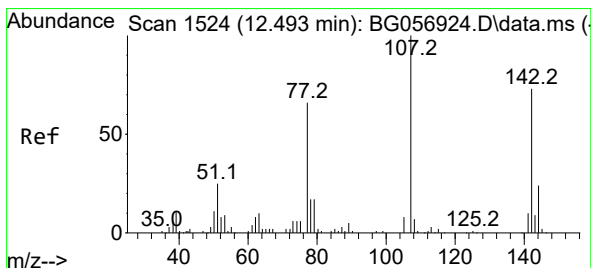
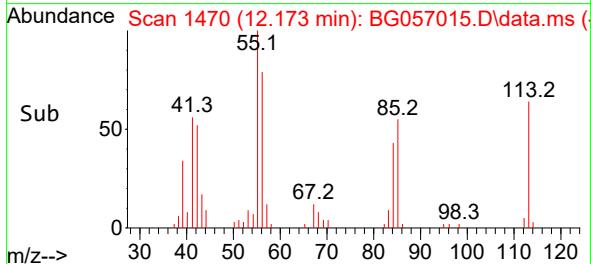
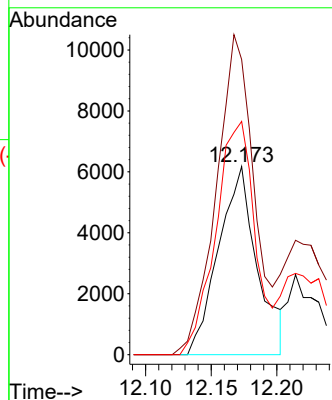
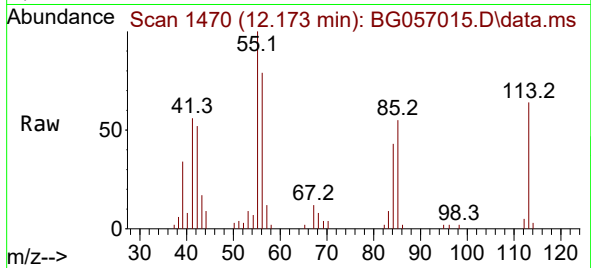




#35
 Caprolactam
 Concen: 31.671 ng
 RT: 12.173 min Scan# 1469
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

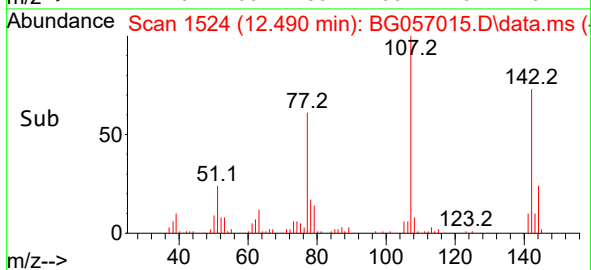
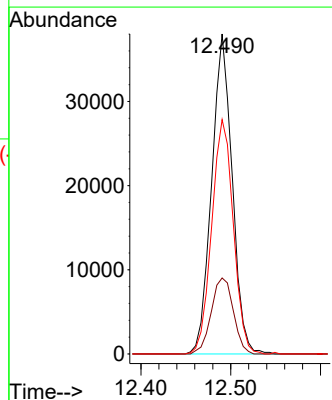
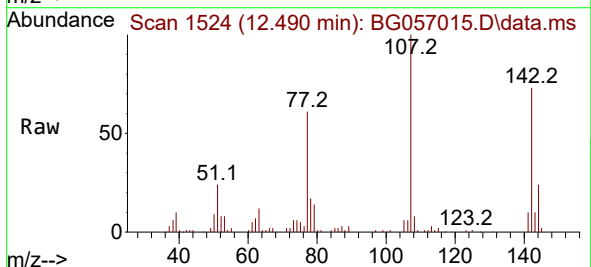
Instrument :
 BNA_G
 ClientSampleId :
 72-11982MS

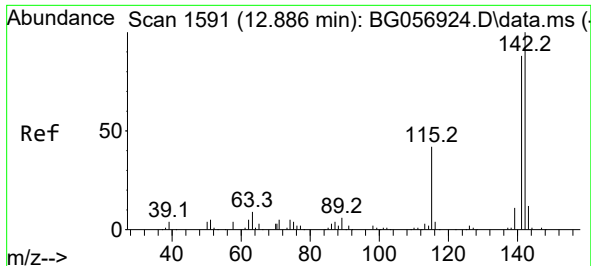
Tgt Ion:113 Resp: 12587
 Ion Ratio Lower Upper
 113 100
 55 156.9 151.6 191.6
 56 124.0 103.7 143.7



#36
 4-Chloro-3-methylphenol
 Concen: 46.742 ng
 RT: 12.490 min Scan# 1524
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

Tgt Ion:107 Resp: 60241
 Ion Ratio Lower Upper
 107 100
 144 23.7 19.0 28.4
 142 73.3 58.6 88.0





#37

2-Methylnaphthalene

Concen: 44.712 ng

RT: 12.878 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

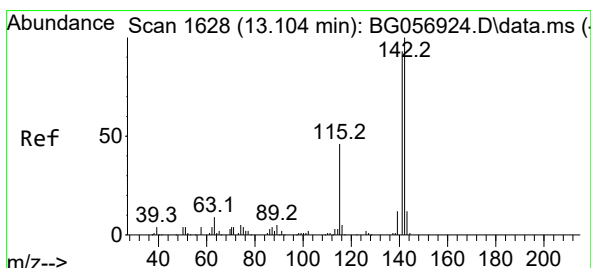
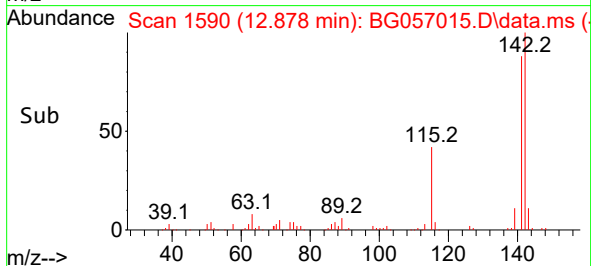
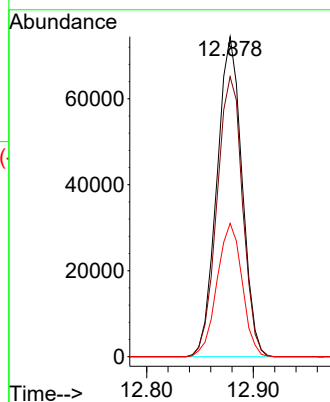
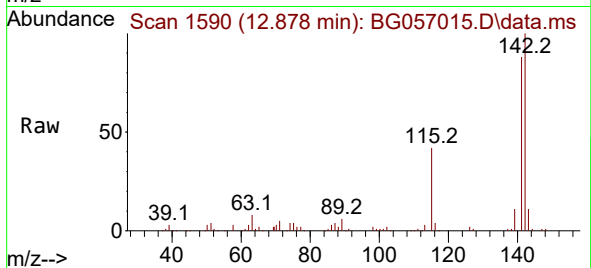
Tgt Ion:142 Resp: 121719

Ion Ratio Lower Upper

142 100

141 87.5 70.3 105.5

115 41.6 33.5 50.3



#38

1-Methylnaphthalene

Concen: 44.287 ng

RT: 13.095 min Scan# 1627

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

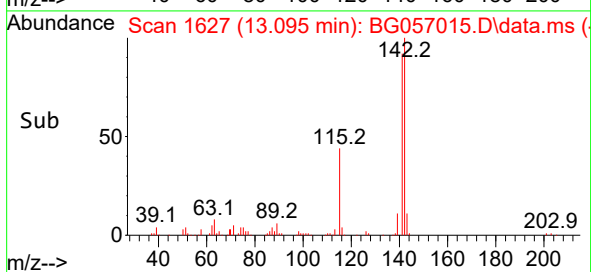
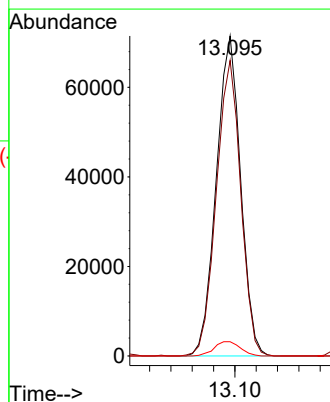
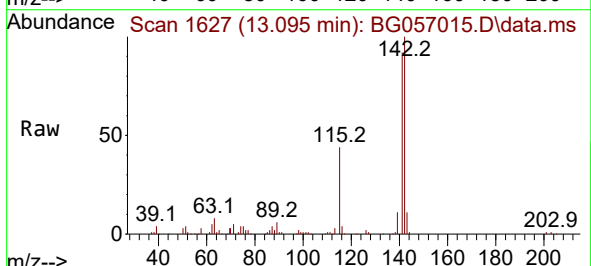
Tgt Ion:142 Resp: 113209

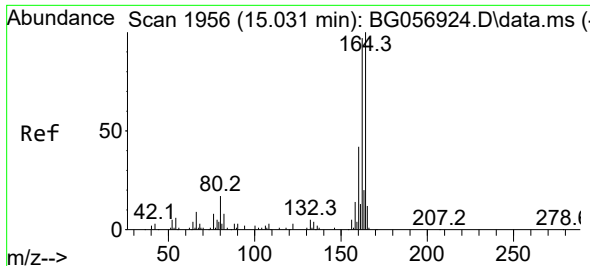
Ion Ratio Lower Upper

142 100

141 92.4 74.0 111.0

116 4.5 3.7 5.5

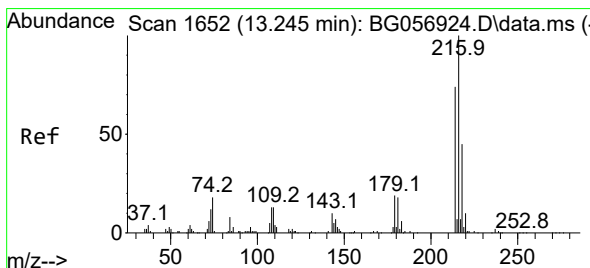
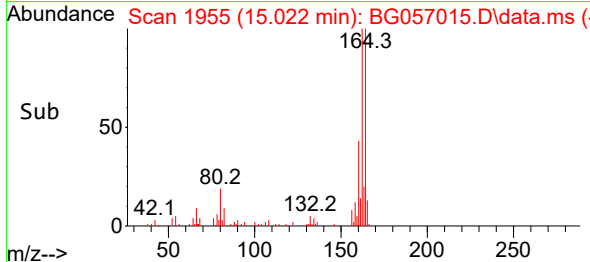
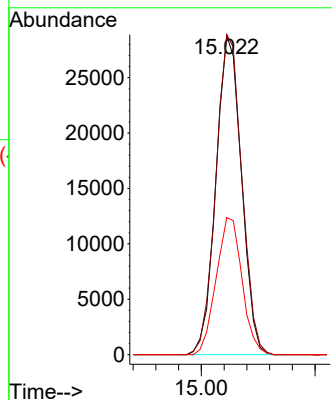
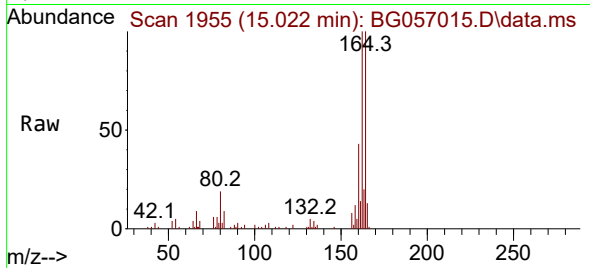




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.022 min Scan# 1955
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

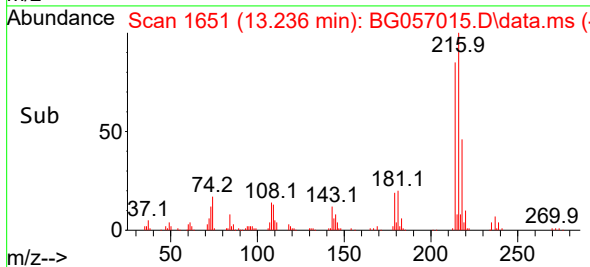
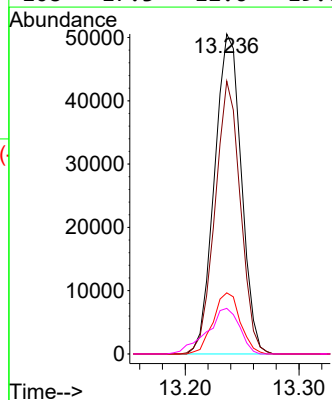
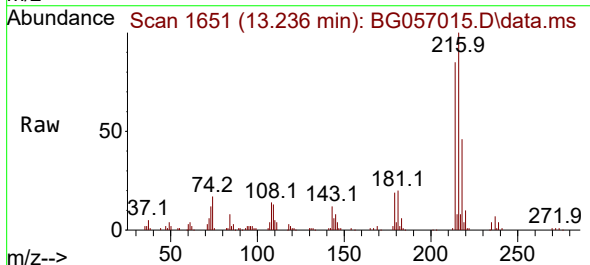
Instrument :
BNA_G
ClientSampleId :
72-11982MS

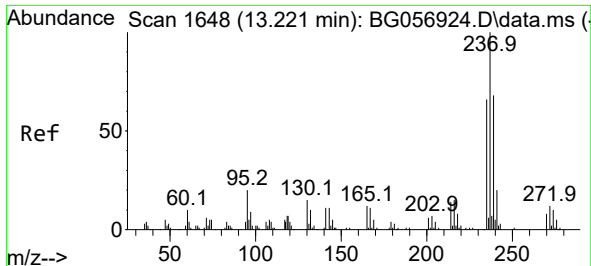
Tgt Ion:164 Resp: 44734
Ion Ratio Lower Upper
164 100
162 100.2 77.8 116.8
160 43.0 33.5 50.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.407 ng
RT: 13.236 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

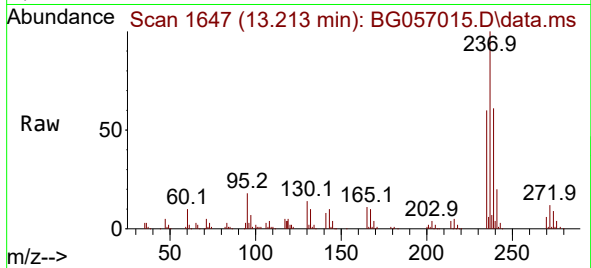
Tgt Ion:216 Resp: 82847
Ion Ratio Lower Upper
216 100
214 80.6 63.3 94.9
179 19.3 15.0 22.6
108 17.3 12.6 19.0



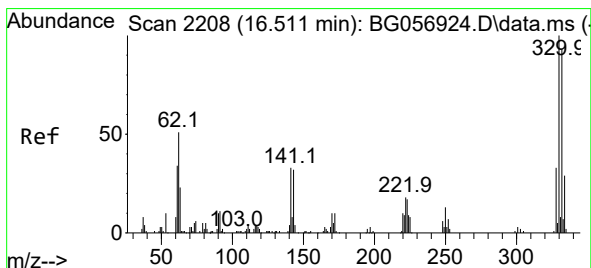
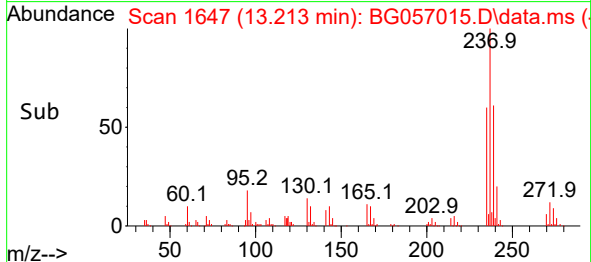
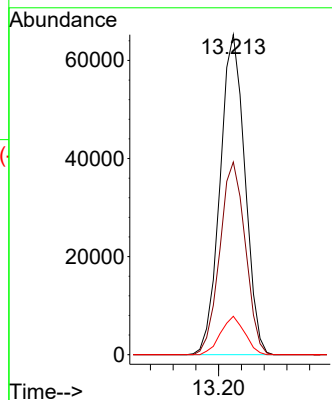


#41
Hexachlorocyclopentadiene
Concen: 115.994 ng
RT: 13.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Instrument :
BNA_G
ClientSampleId :
72-11982MS

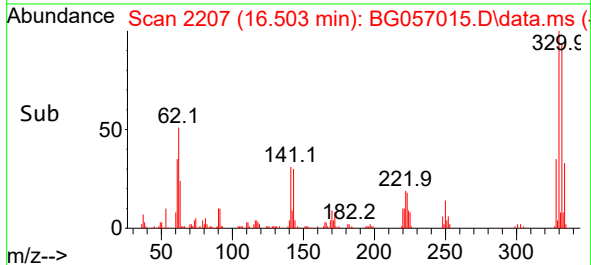
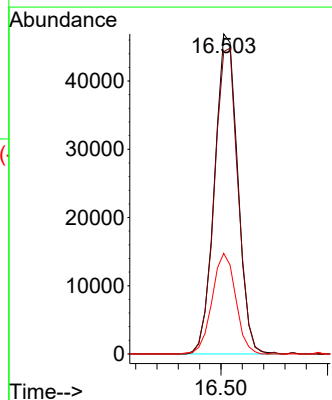
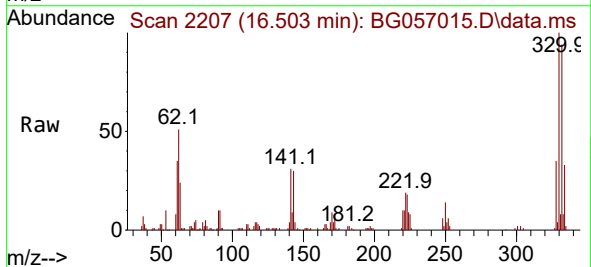


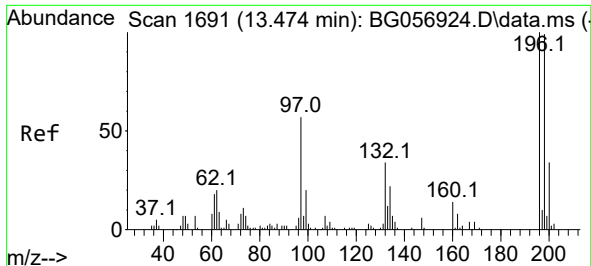
Tgt Ion:237 Resp: 99140
Ion Ratio Lower Upper
237 100
235 60.2 45.9 85.9
272 12.0 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 98.840 ng
RT: 16.503 min Scan# 2207
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:330 Resp: 70635
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 31.9 25.8 38.6

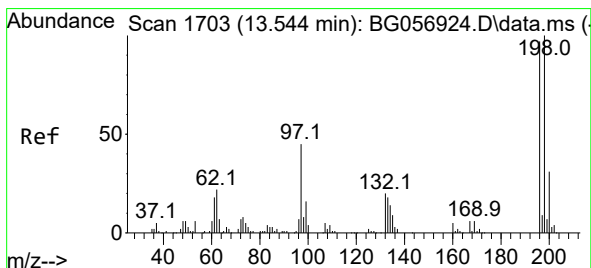
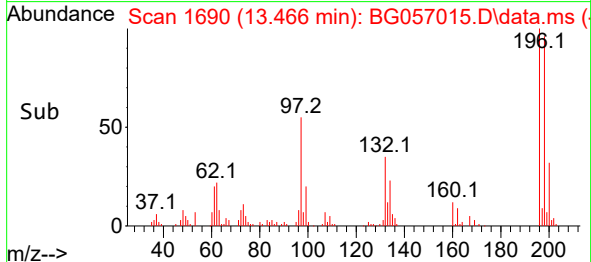
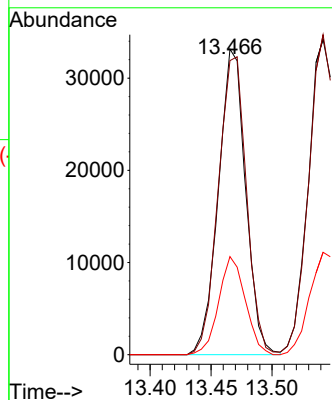
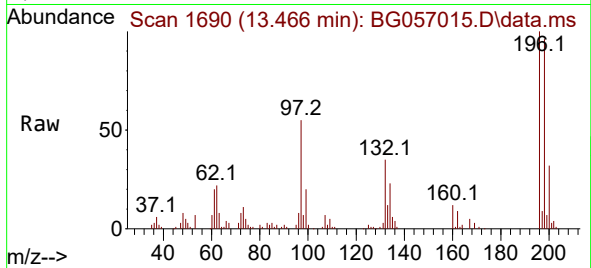




#43
2,4,6-Trichlorophenol
Concen: 52.122 ng
RT: 13.466 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

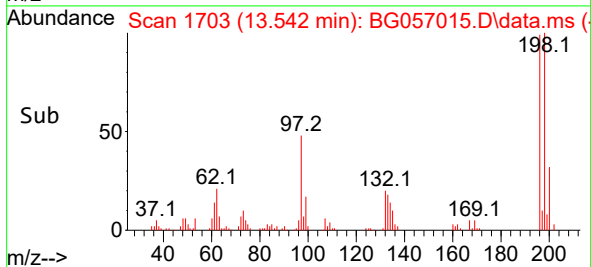
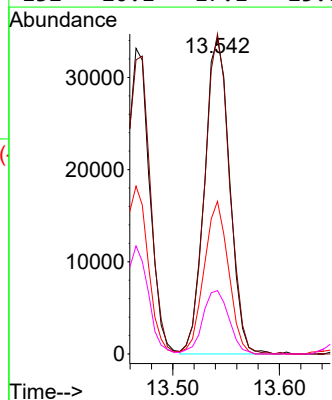
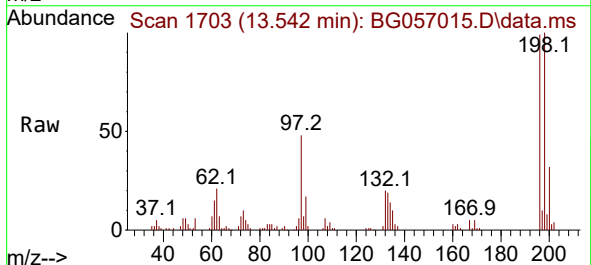
Instrument :
BNA_G
ClientSampleId :
72-11982MS

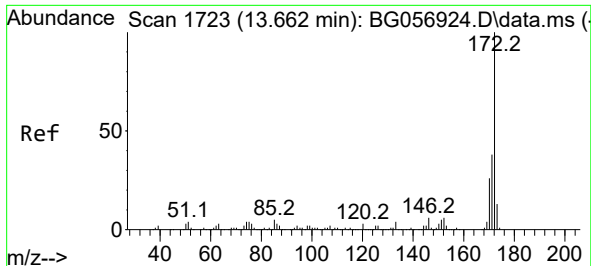
Tgt Ion:196 Resp: 51596
Ion Ratio Lower Upper
196 100
198 96.2 79.1 118.7
200 32.1 27.2 40.8



#44
2,4,5-Trichlorophenol
Concen: 48.011 ng
RT: 13.542 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:196 Resp: 56303
Ion Ratio Lower Upper
196 100
198 101.4 82.5 123.7
97 48.4 37.0 55.6
132 20.1 17.1 25.7

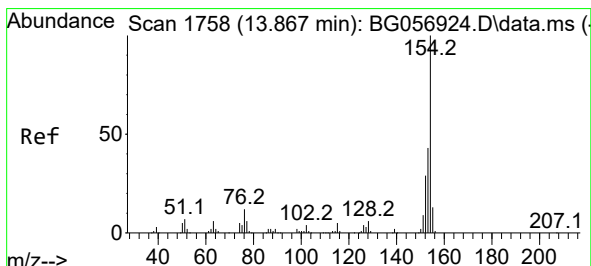
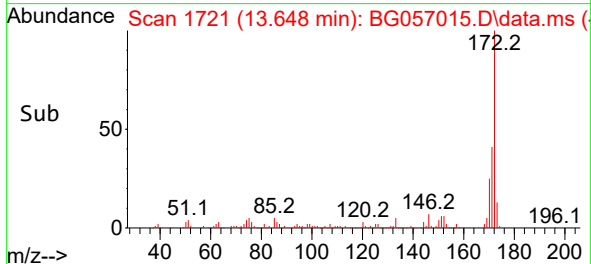
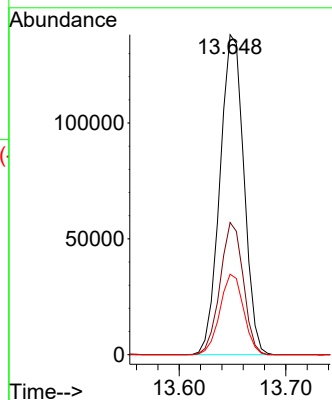
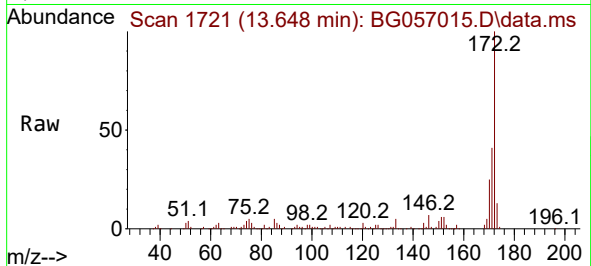




#45
2-Fluorobiphenyl
Concen: 65.291 ng
RT: 13.648 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

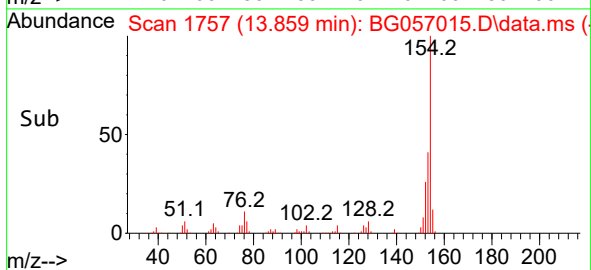
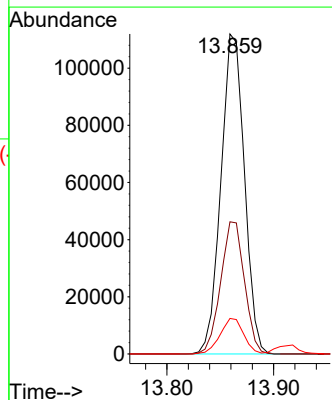
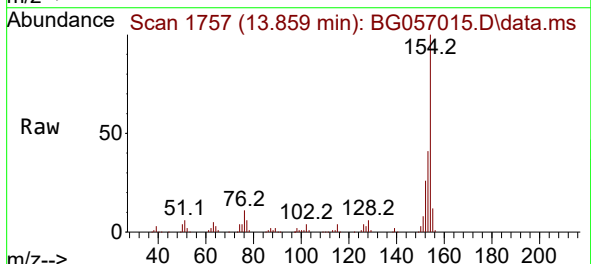
Instrument :
BNA_G
ClientSampleId :
72-11982MS

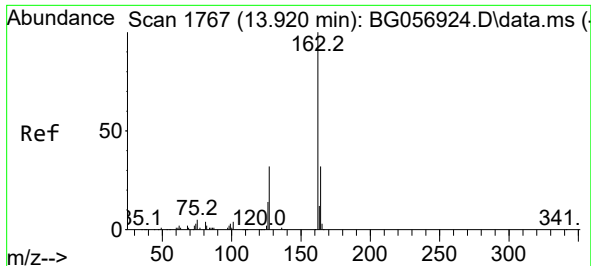
Tgt Ion:172 Resp: 215392
Ion Ratio Lower Upper
172 100
171 41.3 30.6 46.0
170 25.2 20.6 30.8



#46
1,1'-Biphenyl
Concen: 52.216 ng
RT: 13.859 min Scan# 1757
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:154 Resp: 170989
Ion Ratio Lower Upper
154 100
153 41.3 23.4 63.4
76 11.1 0.0 31.6





#47

2-Chloronaphthalene

Concen: 52.999 ng

RT: 13.912 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

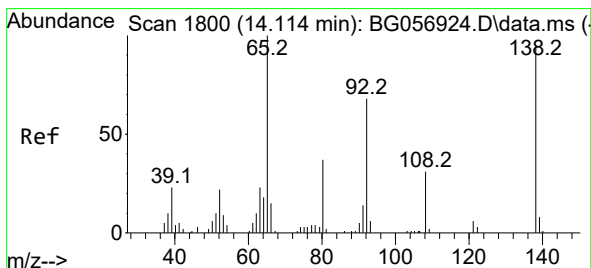
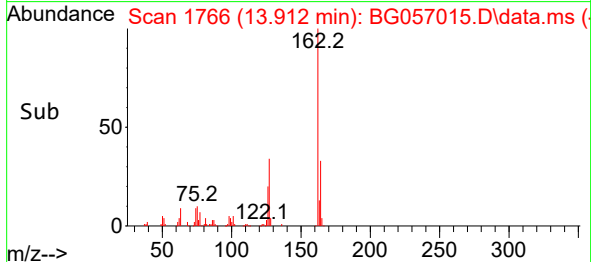
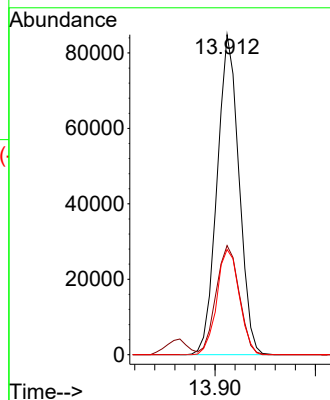
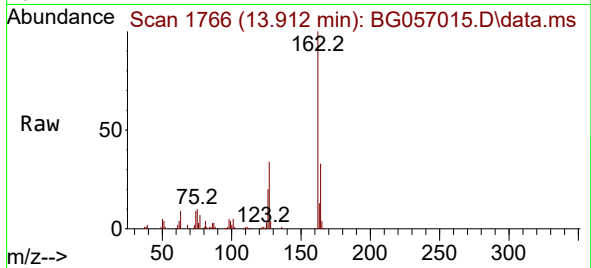
Tgt Ion:162 Resp: 128360

Ion Ratio Lower Upper

162 100

127 34.1 29.5 44.3

164 32.9 25.5 38.3



#48

2-Nitroaniline

Concen: 47.932 ng

RT: 14.106 min Scan# 1799

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

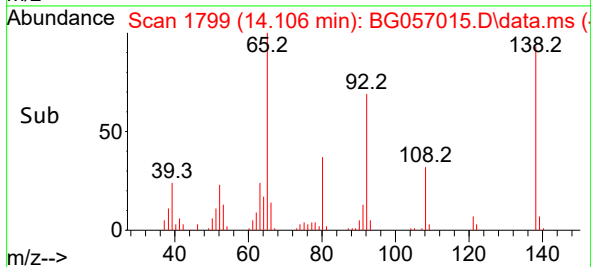
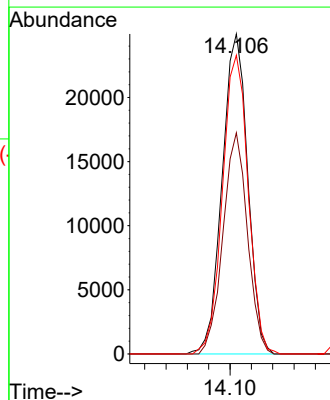
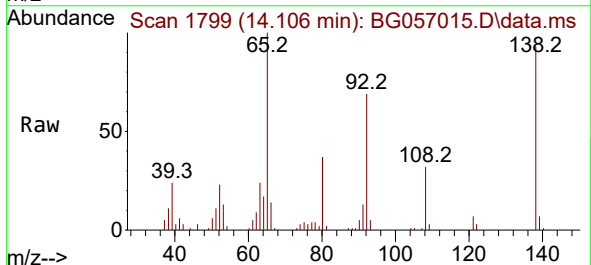
Tgt Ion: 65 Resp: 41510

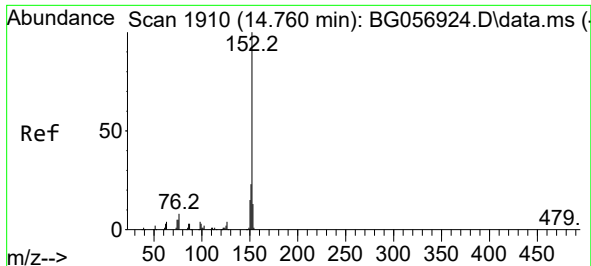
Ion Ratio Lower Upper

65 100

92 69.1 54.3 81.5

138 93.4 76.0 114.0

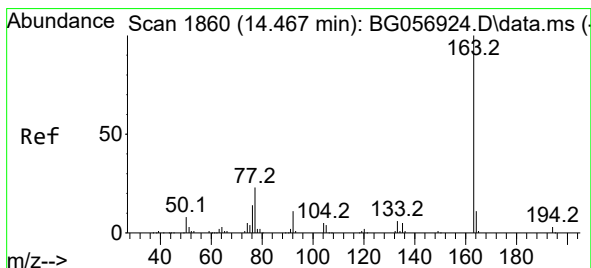
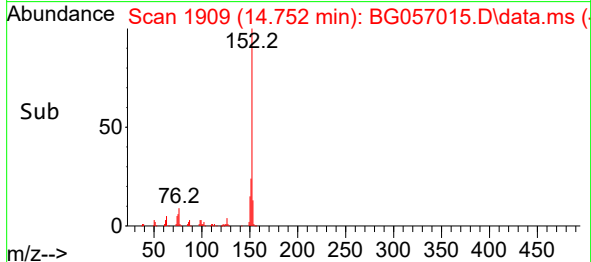
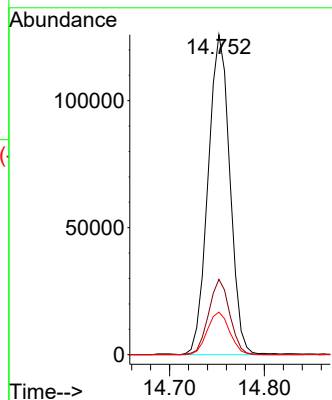
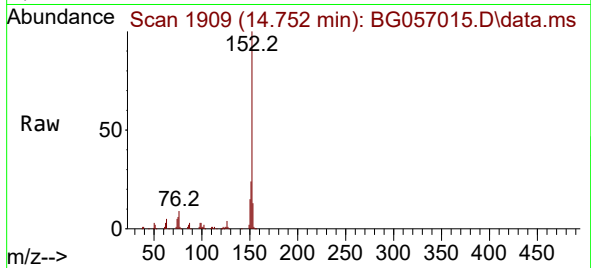




#49
Acenaphthylene
Concen: 50.619 ng
RT: 14.752 min Scan# 1910
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

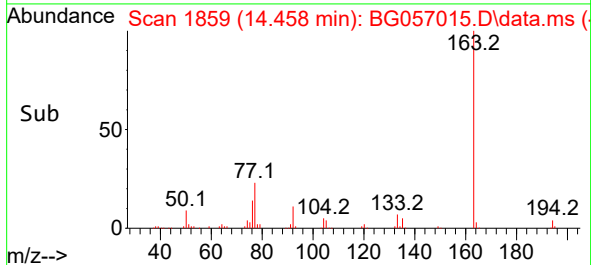
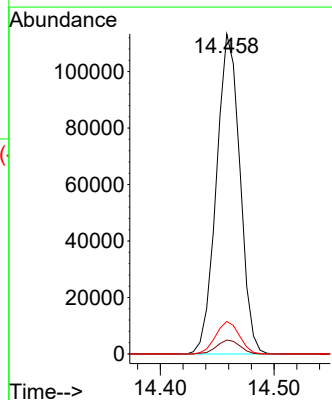
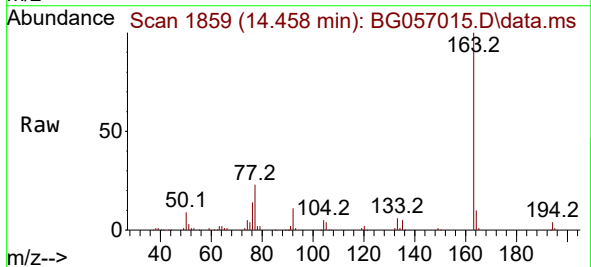
Instrument :
BNA_G
ClientSampleId :
72-11982MS

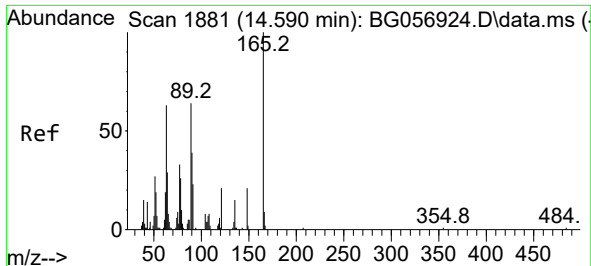
Tgt Ion:152 Resp: 201427
Ion Ratio Lower Upper
152 100
151 23.6 18.2 27.2
153 13.3 10.5 15.7



#50
Dimethylphthalate
Concen: 46.212 ng
RT: 14.458 min Scan# 1859
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:163 Resp: 162883
Ion Ratio Lower Upper
163 100
194 4.4 2.8 4.2#
164 10.1 8.8 13.2

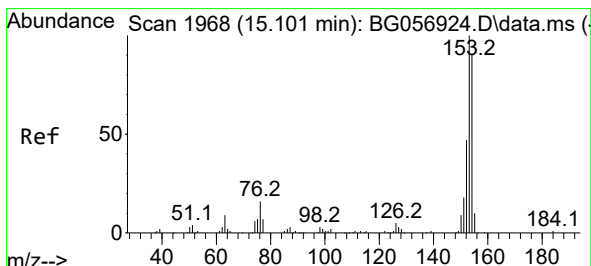
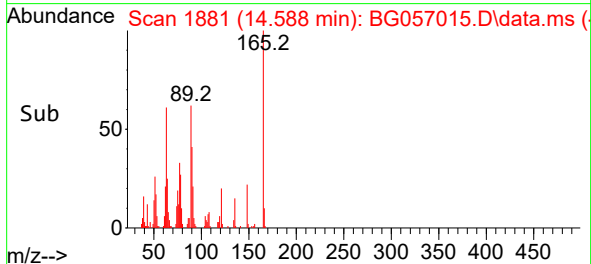
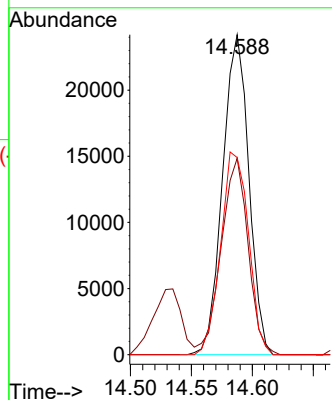
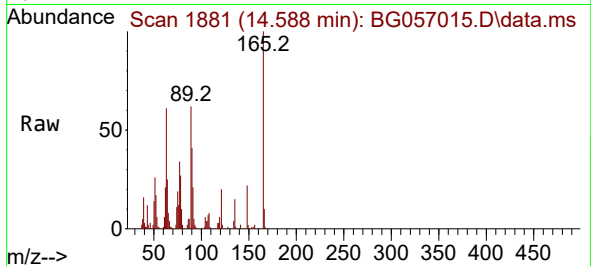




#51
2,6-Dinitrotoluene
Concen: 47.550 ng
RT: 14.588 min Scan# 1881
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

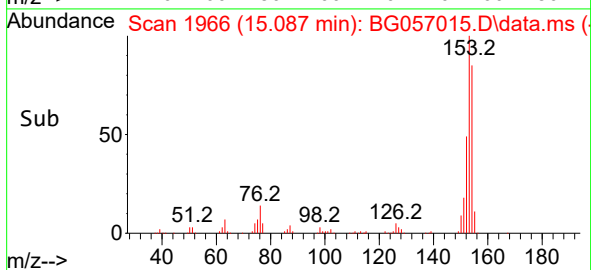
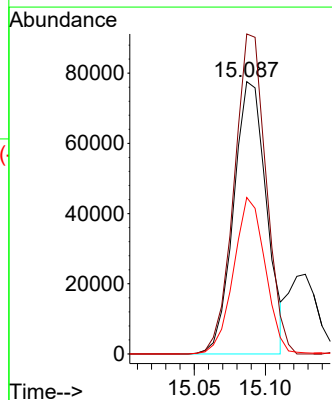
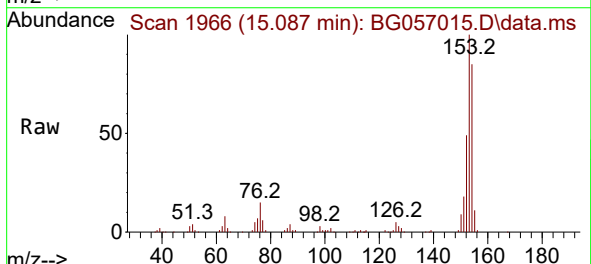
Instrument :
BNA_G
ClientSampleId :
72-11982MS

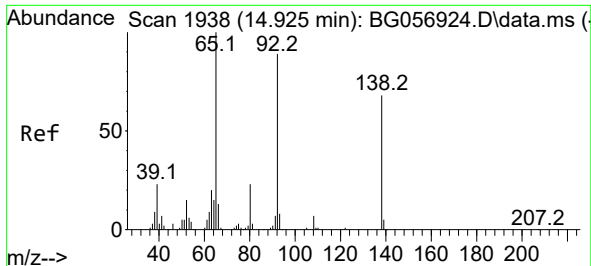
Tgt Ion:165 Resp: 36212
Ion Ratio Lower Upper
165 100
63 61.4 53.0 79.6
89 61.6 51.0 76.4



#52
Acenaphthene
Concen: 45.379 ng
RT: 15.087 min Scan# 1966
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:154 Resp: 124539
Ion Ratio Lower Upper
154 100
153 117.5 88.9 133.3
152 57.5 41.8 62.8

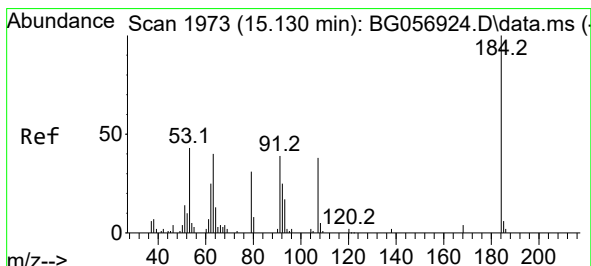
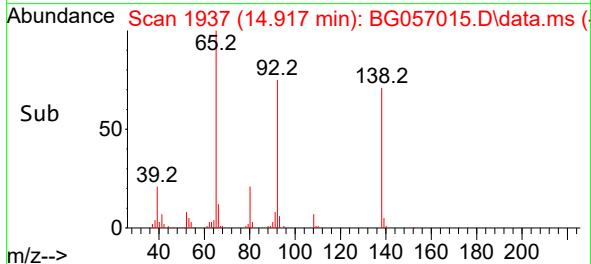
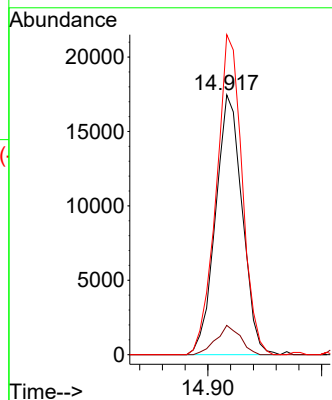
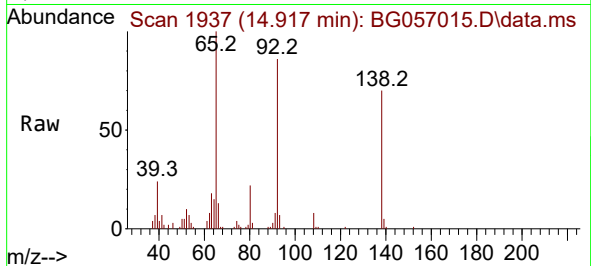




#53
3-Nitroaniline
Concen: 37.751 ng
RT: 14.917 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

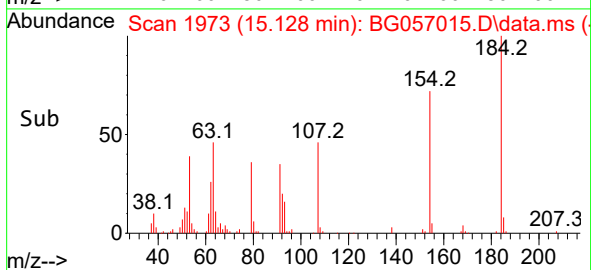
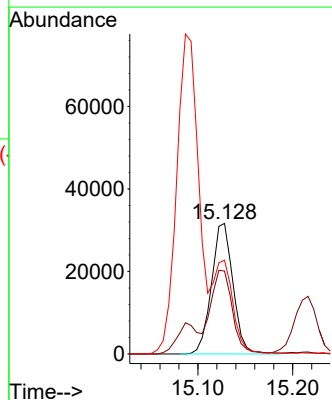
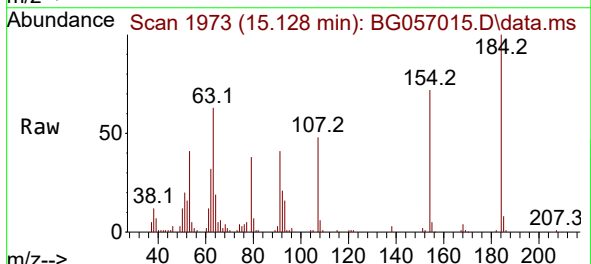
Instrument :
BNA_G
ClientSampleId :
72-11982MS

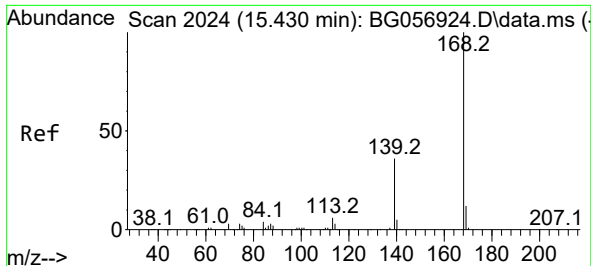
Tgt Ion:138 Resp: 28457
Ion Ratio Lower Upper
138 100
108 11.3 8.2 12.2
92 123.1 105.2 157.8



#54
2,4-Dinitrophenol
Concen: 116.452 ng
RT: 15.128 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:184 Resp: 49917
Ion Ratio Lower Upper
184 100
63 63.5 46.5 69.7
154 71.8 53.5 80.3

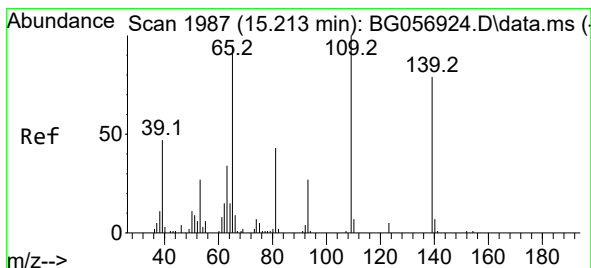
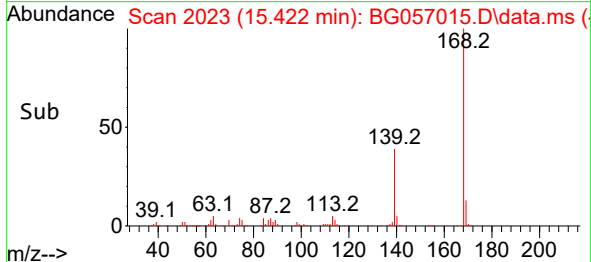
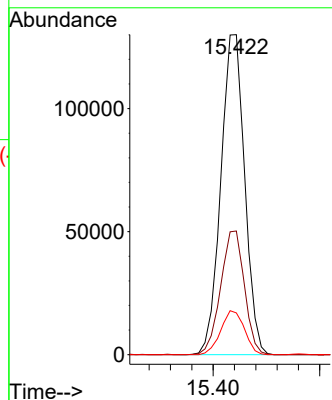
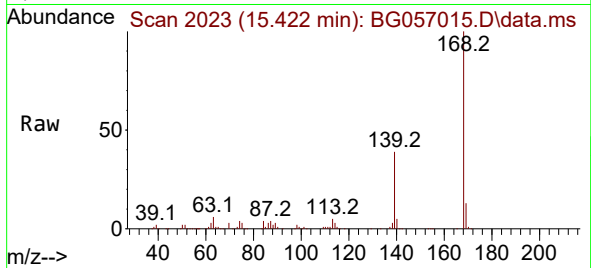




#55
Dibenzofuran
Concen: 48.991 ng
RT: 15.422 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

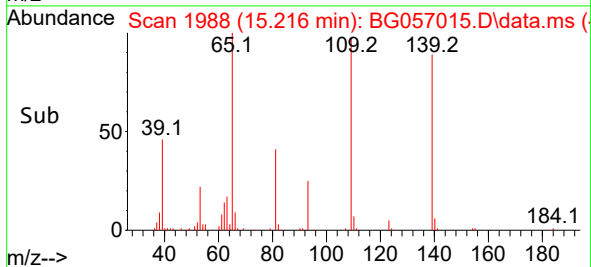
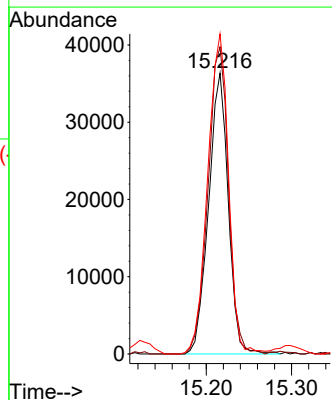
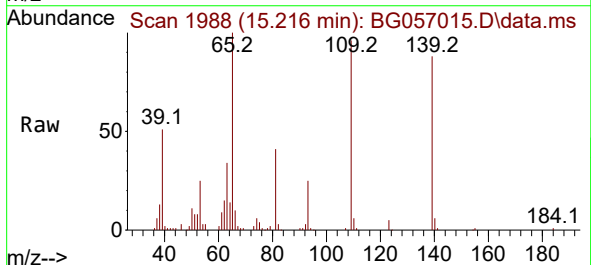
Instrument :
BNA_G
ClientSampleId :
72-11982MS

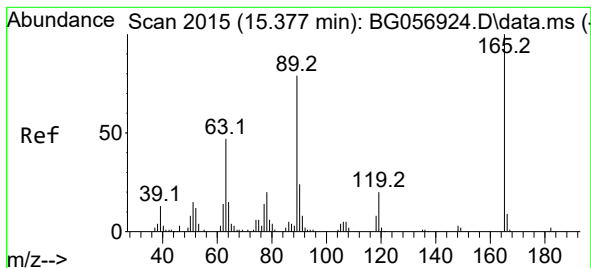
Tgt Ion:168 Resp: 201797
Ion Ratio Lower Upper
168 100
139 38.7 28.9 43.3
169 13.1 9.8 14.6



#56
4-Nitrophenol
Concen: 104.615 ng
RT: 15.216 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:139 Resp: 58313
Ion Ratio Lower Upper
139 100
109 109.4 106.7 146.7
65 114.0 100.5 140.5

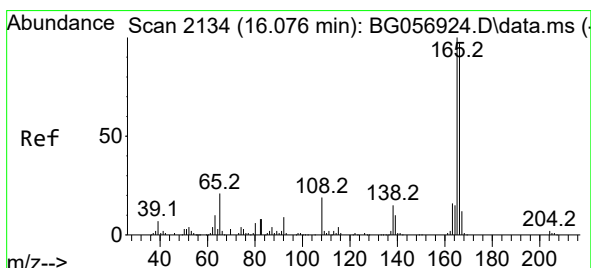
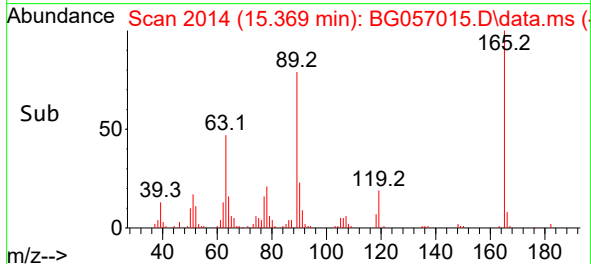
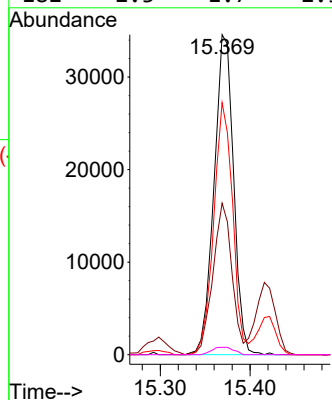
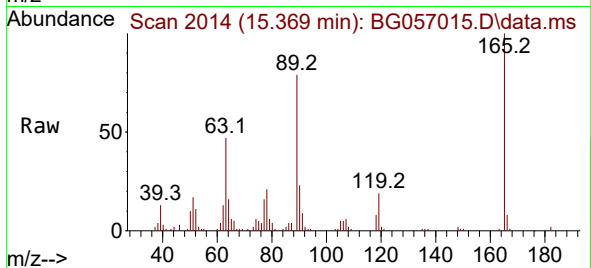




#57
2,4-Dinitrotoluene
Concen: 48.612 ng
RT: 15.369 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

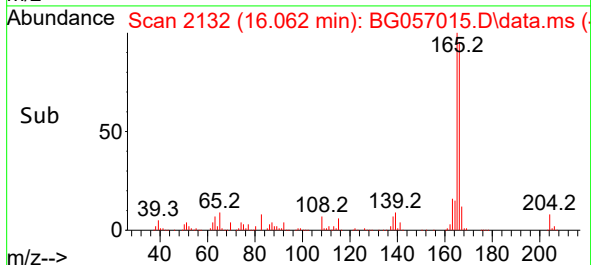
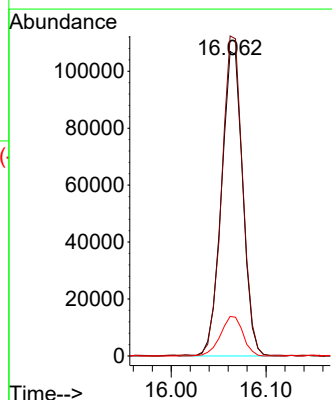
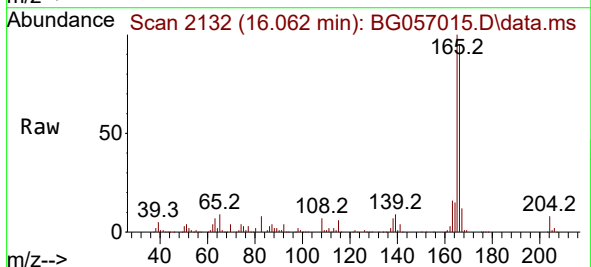
Instrument :
BNA_G
ClientSampleId :
72-11982MS

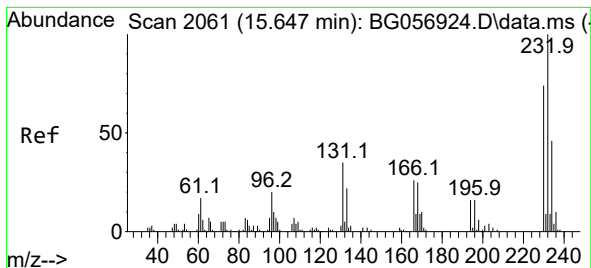
Tgt Ion:165 Resp: 52213
Ion Ratio Lower Upper
165 100
63 47.4 37.7 56.5
89 78.8 63.2 94.8
182 2.3 1.7 2.5



#58
Fluorene
Concen: 49.021 ng
RT: 16.062 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:166 Resp: 167087
Ion Ratio Lower Upper
166 100
165 105.1 82.6 123.8
167 13.0 10.2 15.2

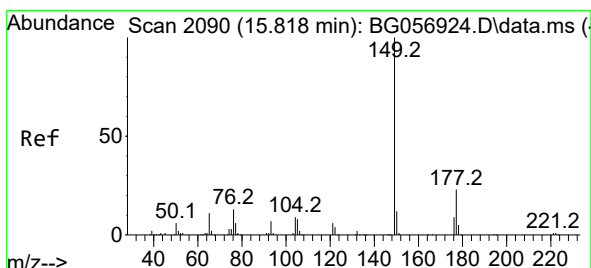
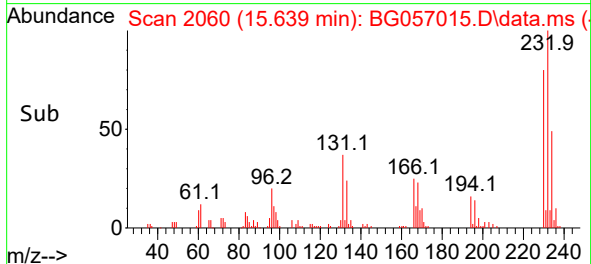
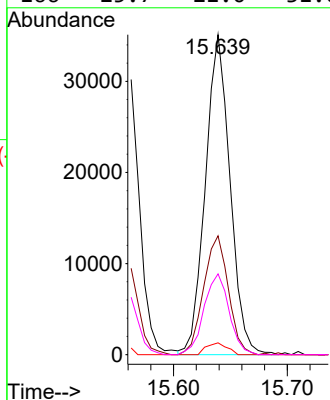
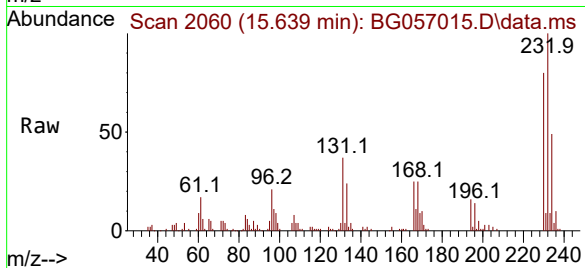




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.568 ng
RT: 15.639 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

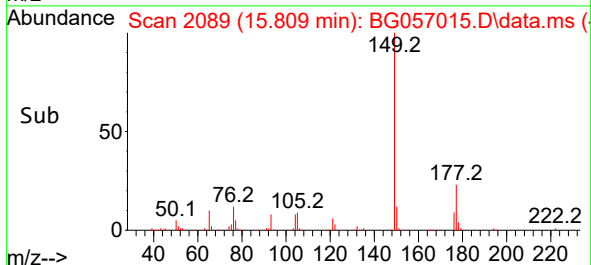
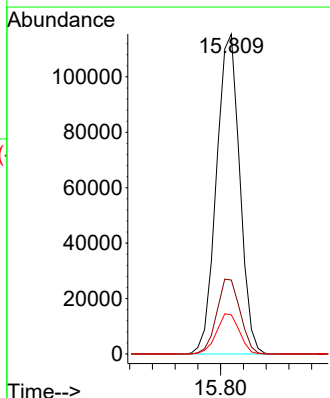
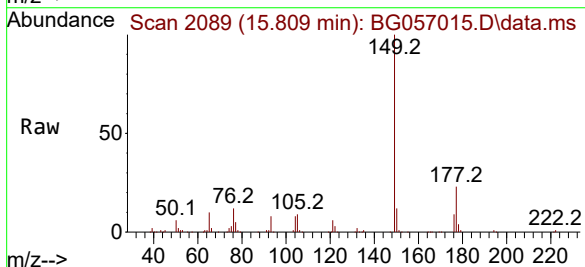
Instrument :
BNA_G
ClientSampleId :
72-11982MS

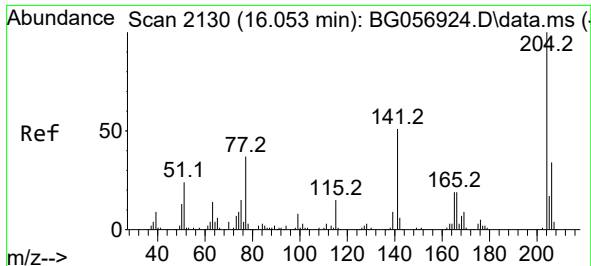
Tgt Ion:232 Resp: 52926
Ion Ratio Lower Upper
232 100
131 37.2 29.3 43.9
130 3.1 1.7 2.5#
166 25.7 21.0 31.6



#60
Diethylphthalate
Concen: 46.460 ng
RT: 15.809 min Scan# 2089
Delta R.T. 0.006 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:149 Resp: 164167
Ion Ratio Lower Upper
149 100
177 23.1 18.8 28.2
150 12.3 9.4 14.2

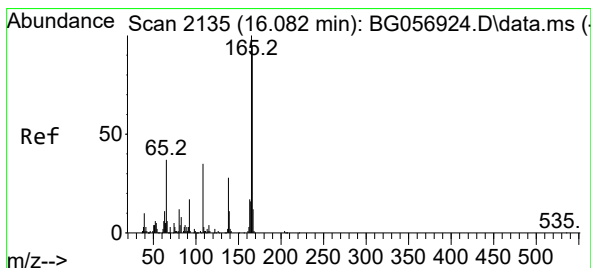
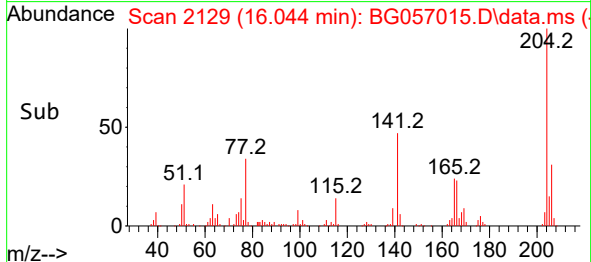
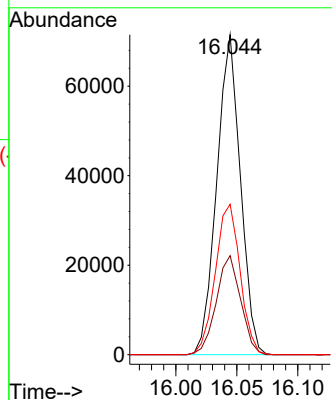
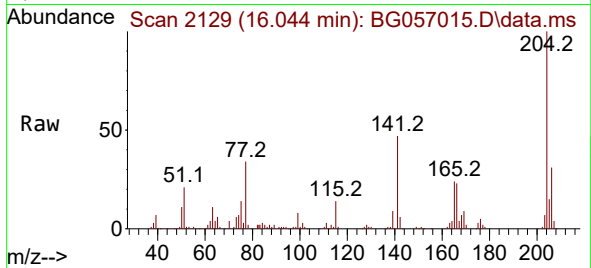




#61
4-Chlorophenyl-phenylether
Concen: 48.146 ng
RT: 16.044 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

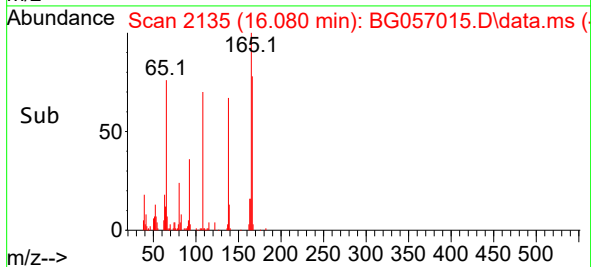
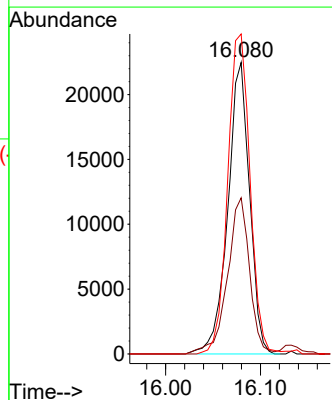
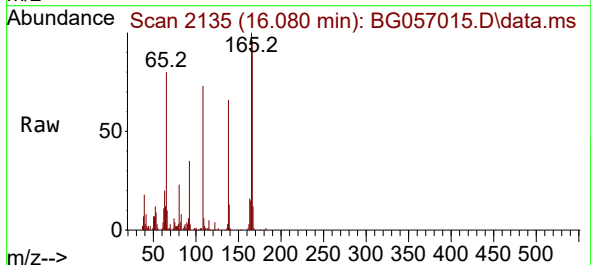
Instrument :
BNA_G
ClientSampleId :
72-11982MS

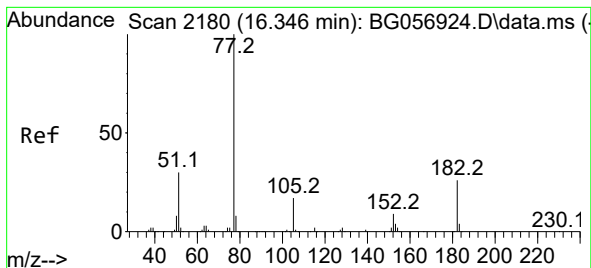
Tgt Ion:204 Resp: 96349
Ion Ratio Lower Upper
204 100
206 31.0 27.2 40.8
141 47.0 40.7 61.1



#62
4-Nitroaniline
Concen: 45.849 ng
RT: 16.080 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:138 Resp: 35808
Ion Ratio Lower Upper
138 100
92 53.5 40.9 80.9
108 109.8 104.3 144.3





#63

Azobenzene

Concen: 47.196 ng

RT: 16.338 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

Tgt Ion: 77 Resp: 166200

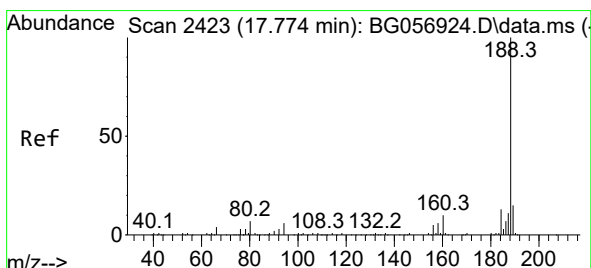
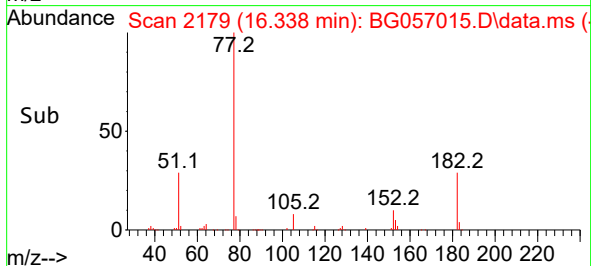
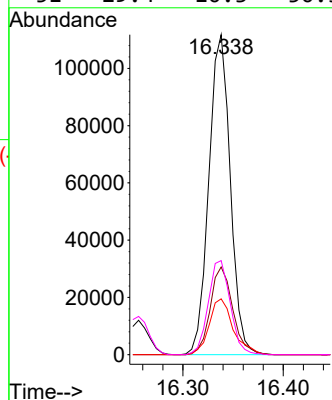
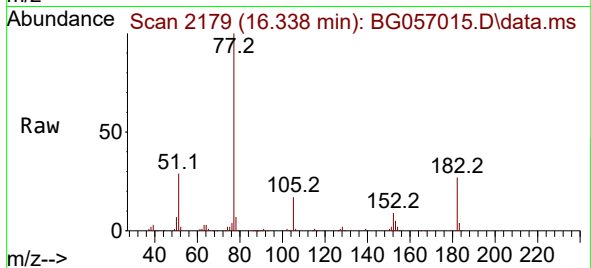
Ion Ratio Lower Upper

77 100

182 27.4 5.9 45.9

105 17.4 0.0 36.8

51 29.4 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.766 min Scan# 2422

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

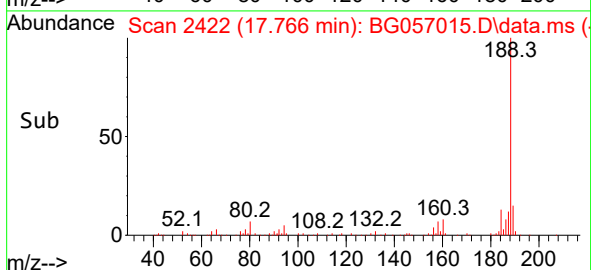
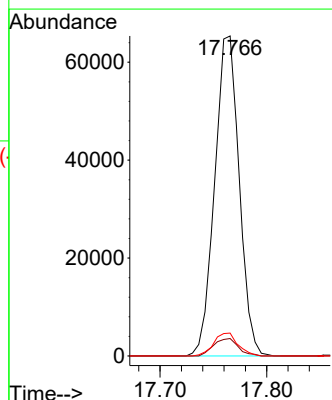
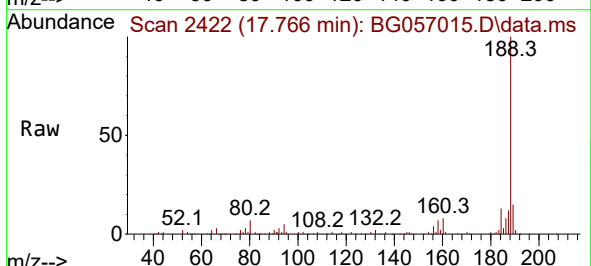
Tgt Ion:188 Resp: 104155

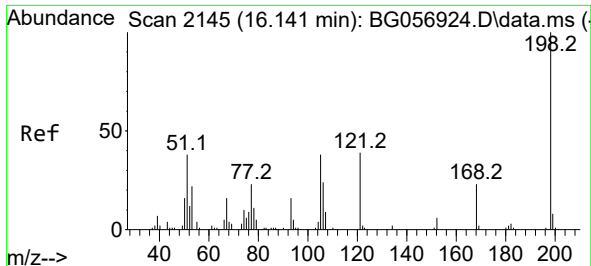
Ion Ratio Lower Upper

188 100

94 5.4 4.6 6.8

80 7.1 5.5 8.3

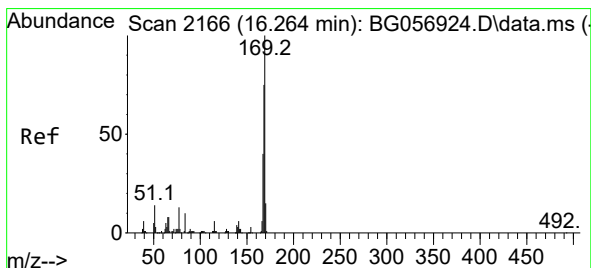
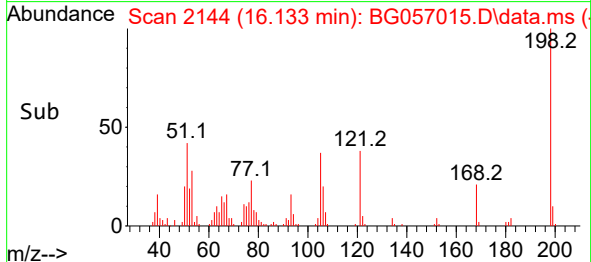
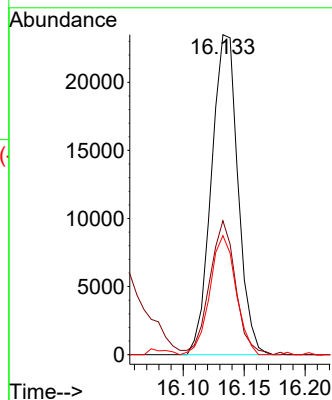
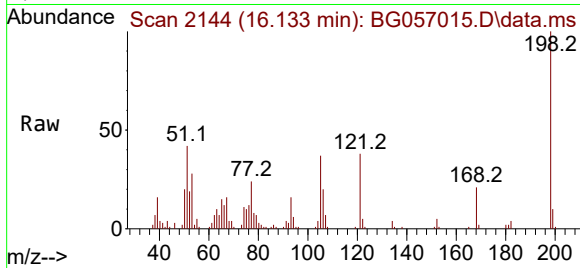




#65
4,6-Dinitro-2-methylphenol
Concen: 56.483 ng
RT: 16.133 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

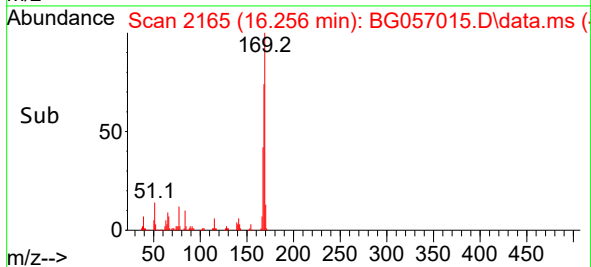
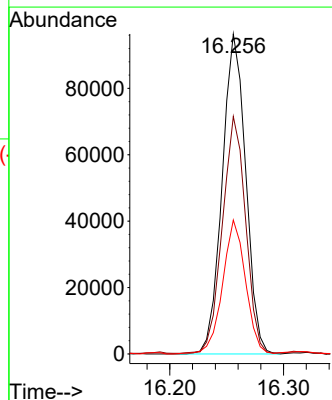
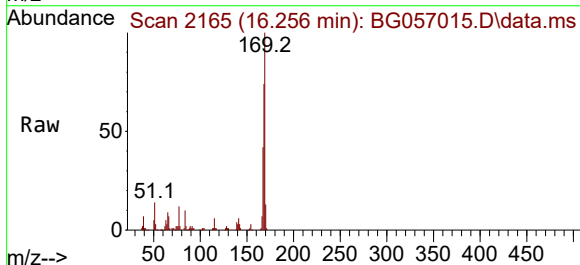
Instrument :
BNA_G
ClientSampleId :
72-11982MS

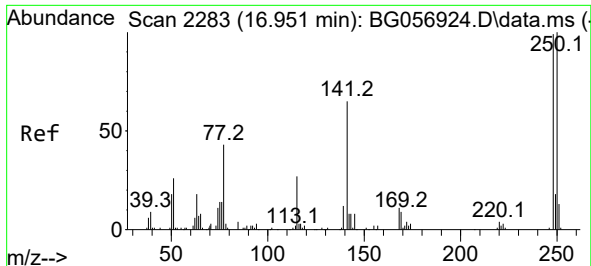
Tgt Ion:198 Resp: 35630
Ion Ratio Lower Upper
198 100
51 41.9 20.5 60.5
105 37.2 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 49.577 ng
RT: 16.256 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:169 Resp: 138616
Ion Ratio Lower Upper
169 100
168 74.2 59.6 89.4
167 41.8 31.8 47.8

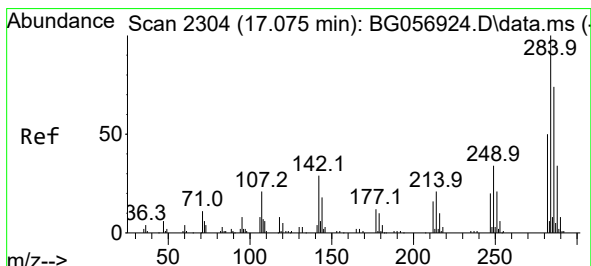
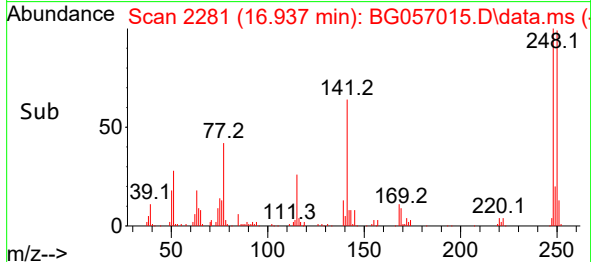
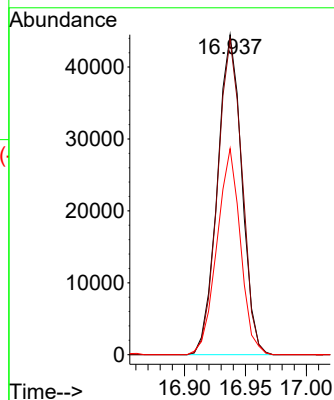
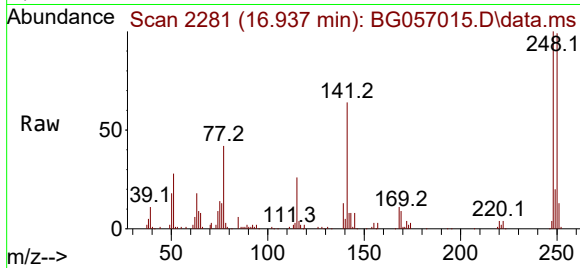




#67
4-Bromophenyl-phenylether
Concen: 48.150 ng
RT: 16.937 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

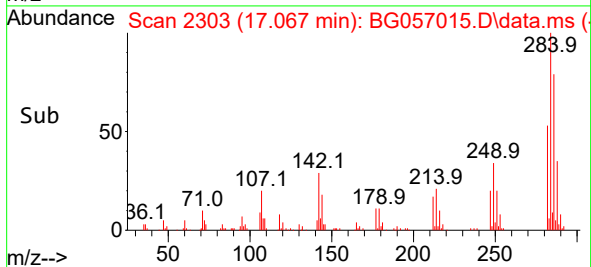
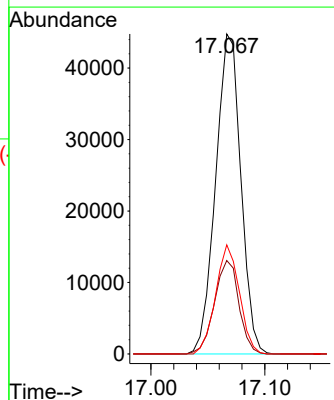
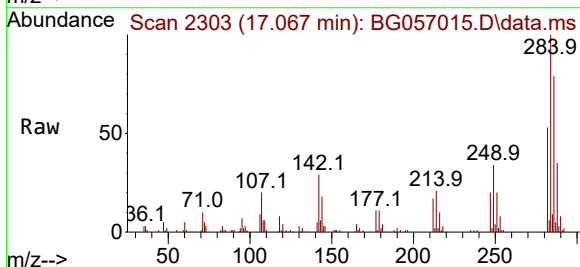
Instrument :
BNA_G
ClientSampleId :
72-11982MS

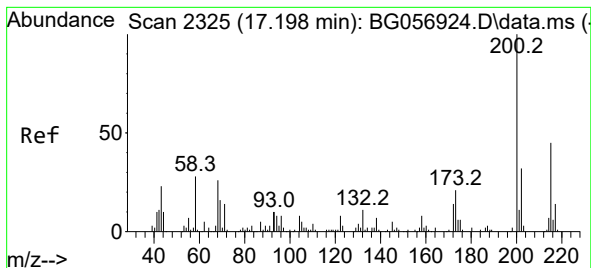
Tgt Ion:248 Resp: 62052
Ion Ratio Lower Upper
248 100
250 98.5 80.5 120.7
141 64.4 52.0 78.0



#68
Hexachlorobenzene
Concen: 54.084 ng
RT: 17.067 min Scan# 2303
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:284 Resp: 68909
Ion Ratio Lower Upper
284 100
142 29.2 23.0 34.4
249 34.1 27.1 40.7





#69

Atrazine

Concen: 52.224 ng

RT: 17.190 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

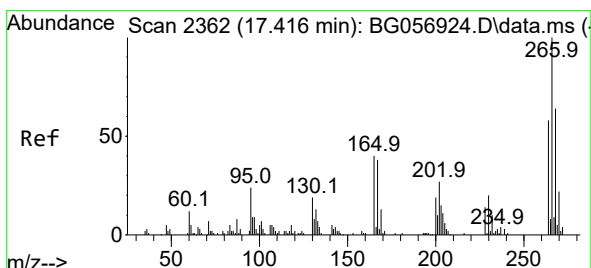
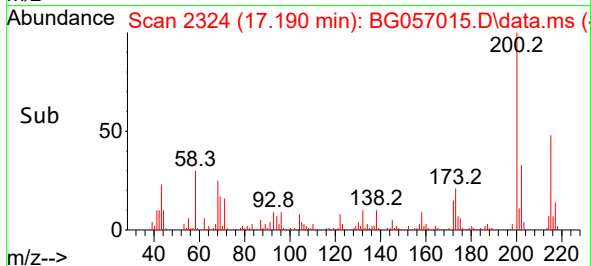
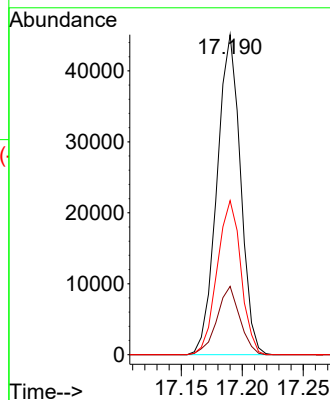
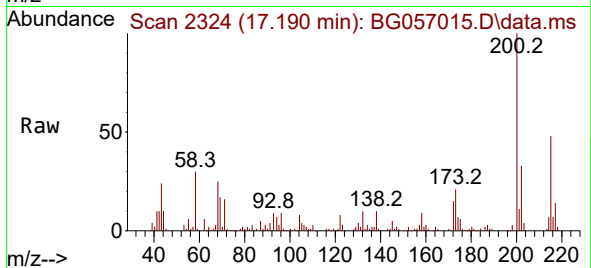
Tgt Ion:200 Resp: 60612

Ion Ratio Lower Upper

200 100

173 21.3 1.0 41.0

215 48.1 25.0 65.0



#70

Pentachlorophenol

Concen: 97.015 ng

RT: 17.407 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

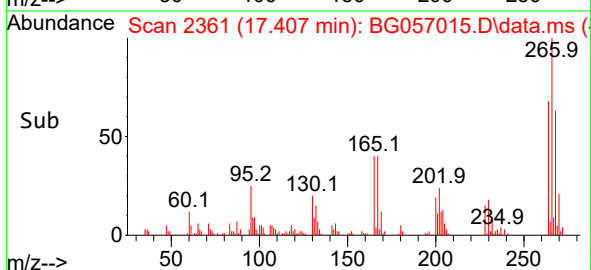
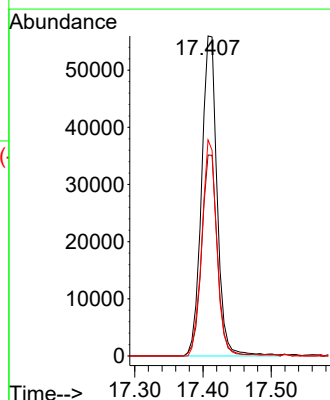
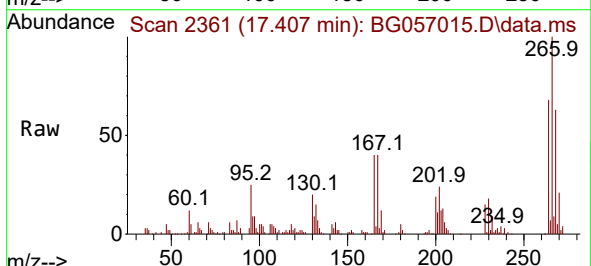
Tgt Ion:266 Resp: 88678

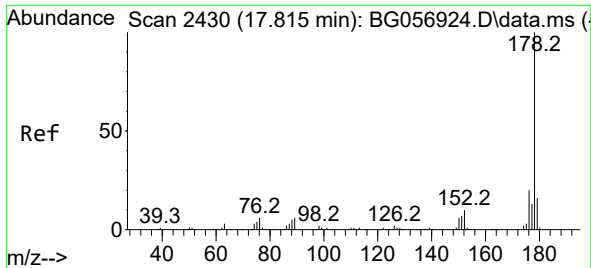
Ion Ratio Lower Upper

266 100

268 62.8 51.0 76.6

264 67.5 46.8 70.2

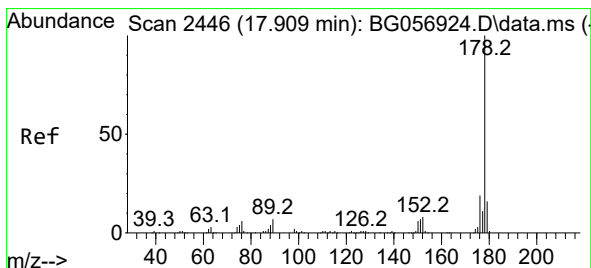
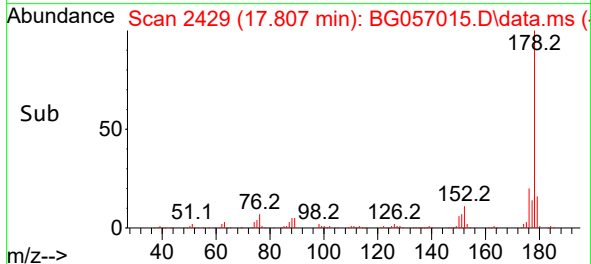
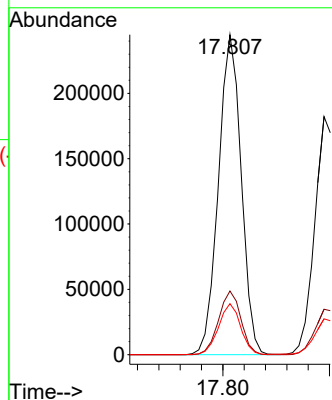
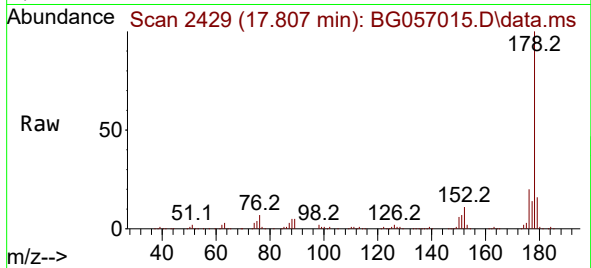




#71
Phenanthrene
Concen: 68.239 ng
RT: 17.807 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

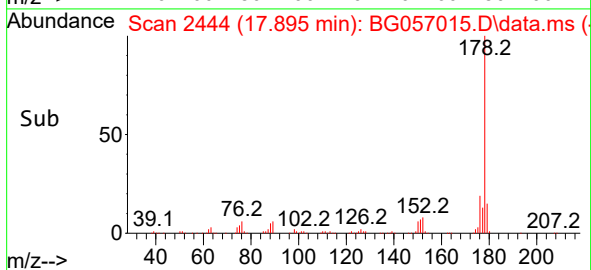
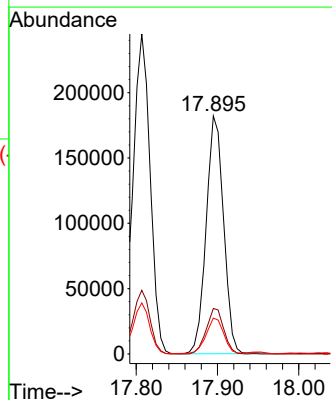
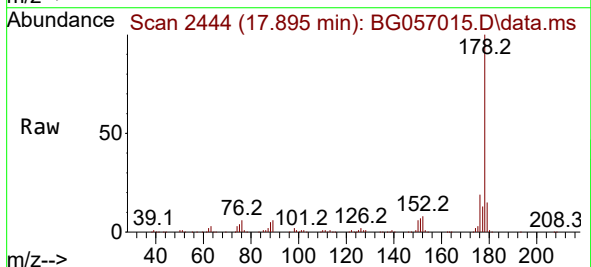
Instrument :
BNA_G
ClientSampleId :
72-11982MS

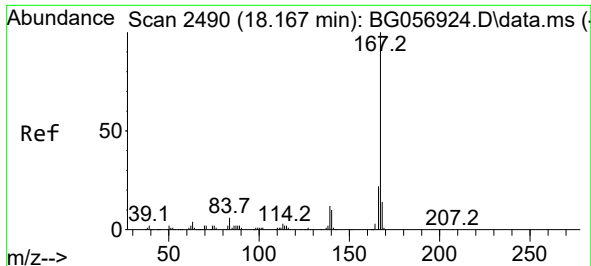
Tgt Ion:178 Resp: 362368
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 16.0 12.5 18.7



#72
Anthracene
Concen: 49.833 ng
RT: 17.895 min Scan# 2444
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:178 Resp: 271277
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.1 12.4 18.6

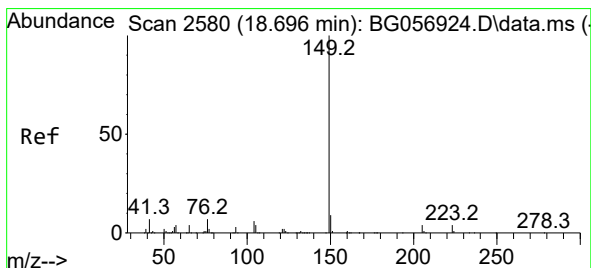
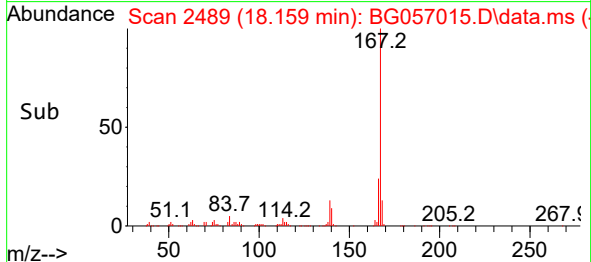
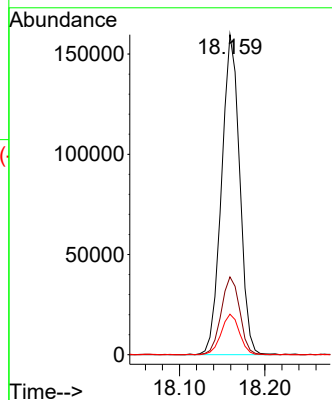
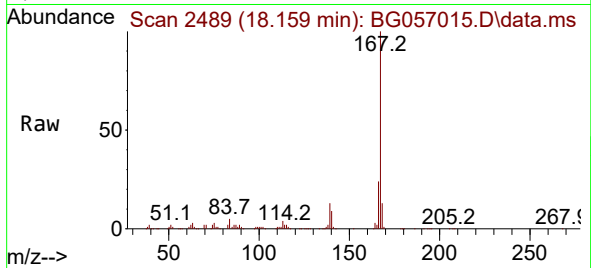




#73
 Carbazole
 Concen: 49.675 ng
 RT: 18.159 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

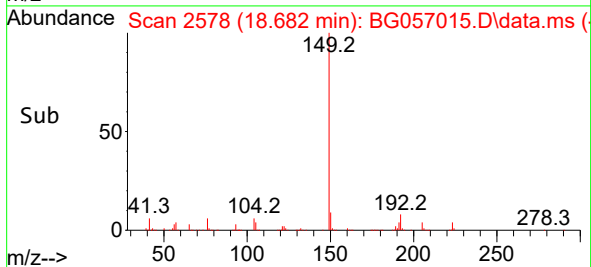
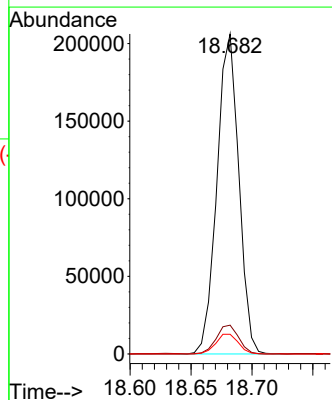
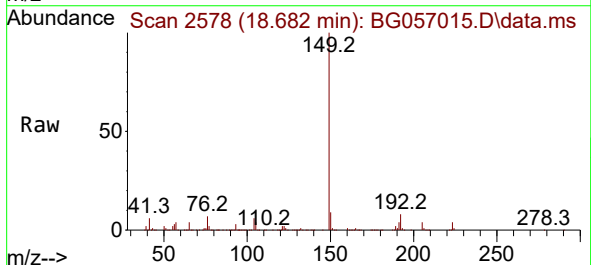
Instrument :
 BNA_G
 ClientSampleId :
 72-11982MS

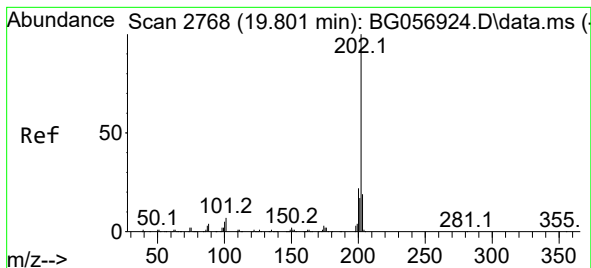
Tgt Ion:167 Resp: 235771
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.9 26.9
 139 12.7 9.5 14.3



#74
 Di-n-butylphthalate
 Concen: 46.791 ng
 RT: 18.682 min Scan# 2578
 Delta R.T. 0.000 min
 Lab File: BG057015.D
 Acq: 6 Apr 2023 16:54

Tgt Ion:149 Resp: 257167
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 6.2 4.9 7.3





#75

Fluoranthene

Concen: 70.325 ng

RT: 19.792 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

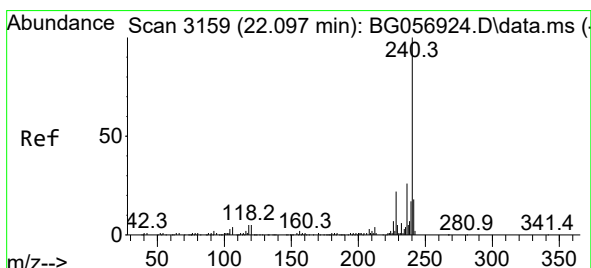
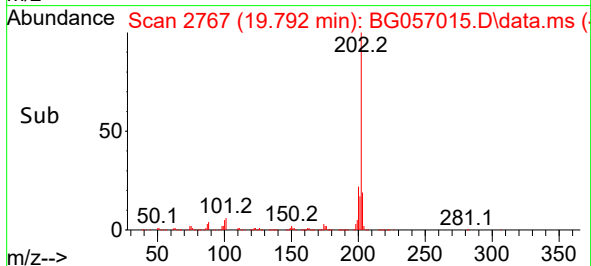
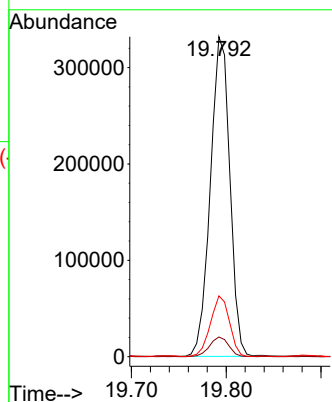
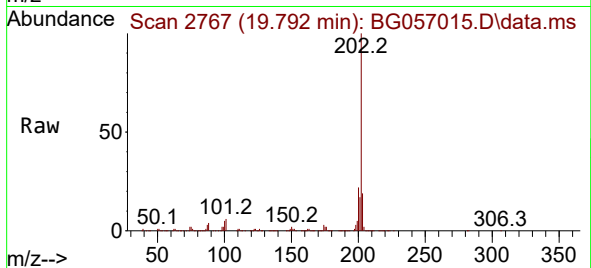
Tgt Ion:202 Resp: 473401

Ion Ratio Lower Upper

202 100

101 6.1 0.0 26.7

203 19.0 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.083 min Scan# 3157

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

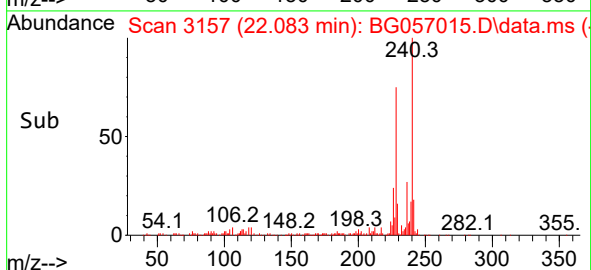
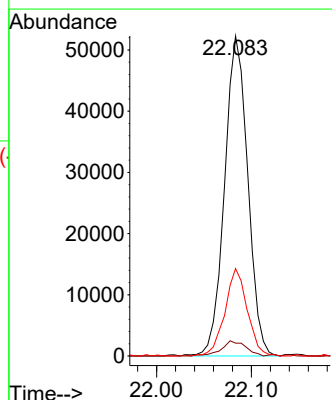
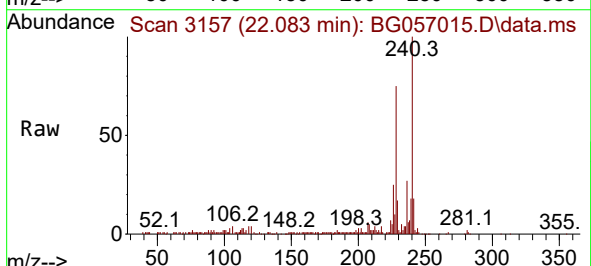
Tgt Ion:240 Resp: 88993

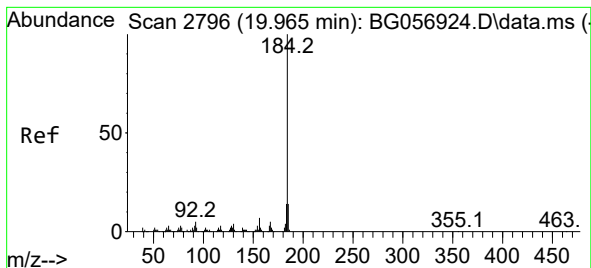
Ion Ratio Lower Upper

240 100

120 4.0 3.8 5.6

236 27.3 21.0 31.6





#77

Benzidine

Concen: 33.167 ng

RT: 19.957 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

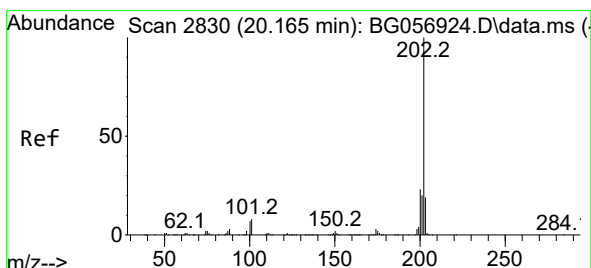
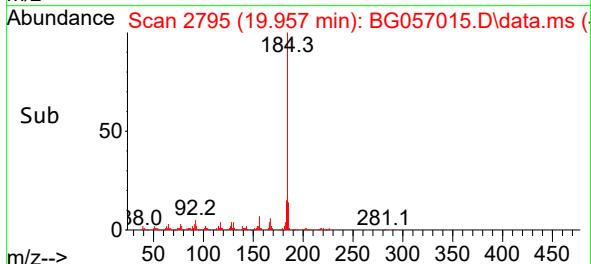
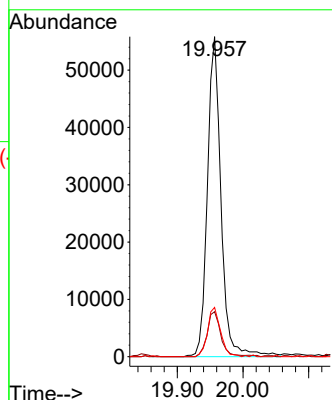
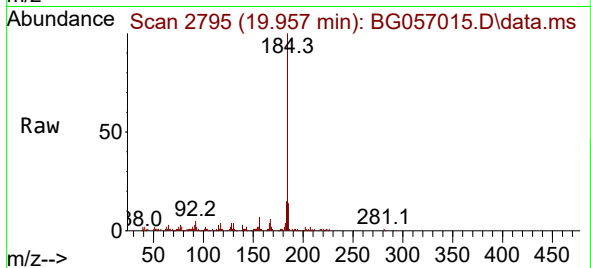
Tgt Ion:184 Resp: 80677

Ion Ratio Lower Upper

184 100

185 14.0 11.0 16.4

183 15.4 11.4 17.0



#78

Pyrene

Concen: 77.024 ng

RT: 20.156 min Scan# 2829

Delta R.T. 0.006 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

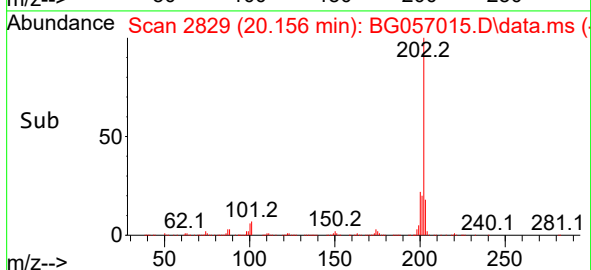
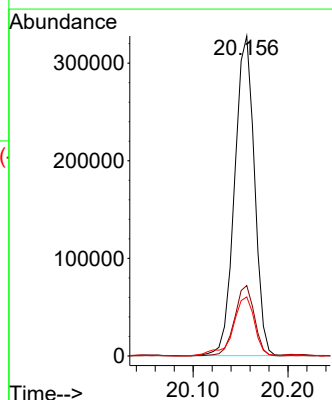
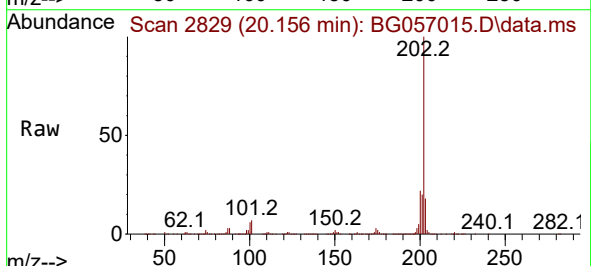
Tgt Ion:202 Resp: 474099

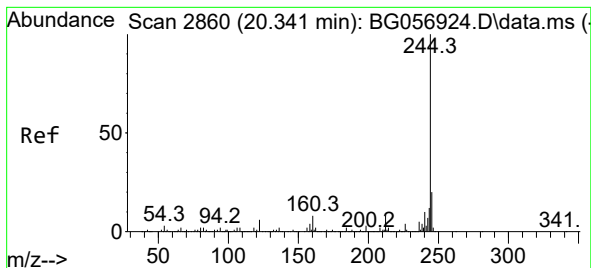
Ion Ratio Lower Upper

202 100

200 22.0 18.7 28.1

203 18.5 15.4 23.2





#79

Terphenyl-d14

Concen: 63.298 ng

RT: 20.327 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

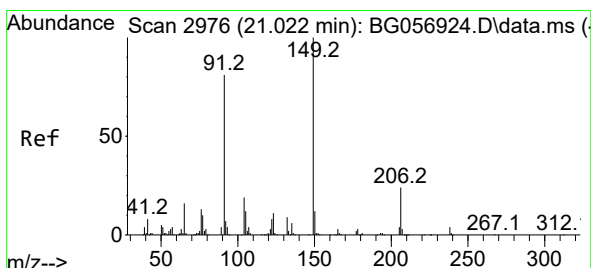
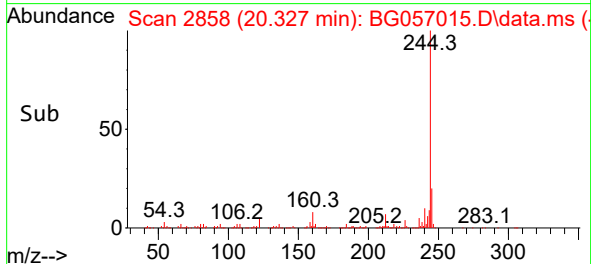
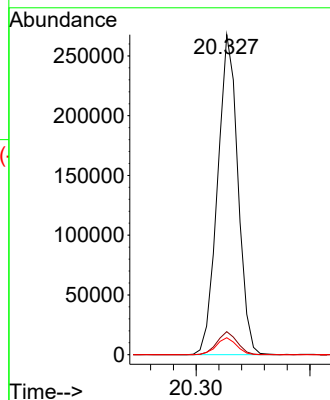
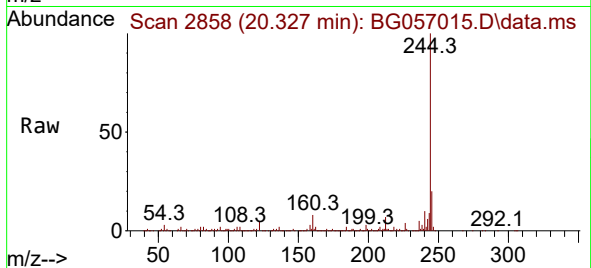
Tgt Ion:244 Resp: 332892

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 5.3 5.0 7.4



#80

Butylbenzylphthalate

Concen: 48.689 ng

RT: 21.008 min Scan# 2974

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

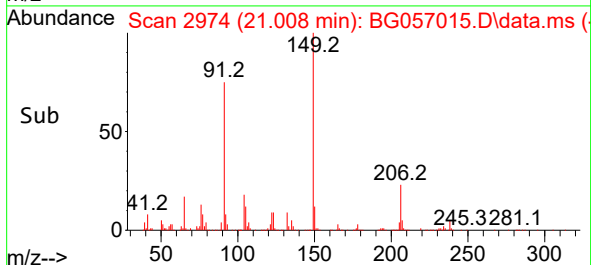
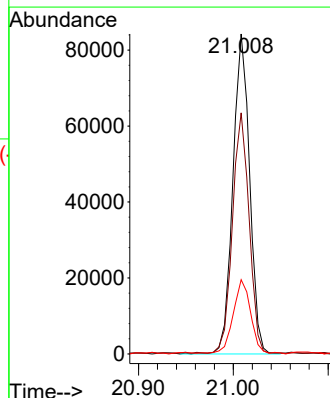
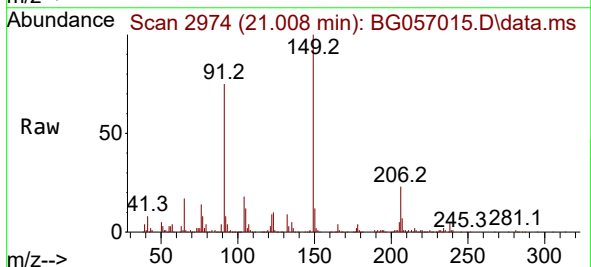
Tgt Ion:149 Resp: 103128

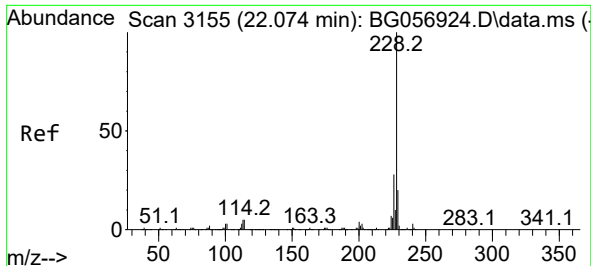
Ion Ratio Lower Upper

149 100

91 75.4 64.4 96.6

206 23.2 18.9 28.3

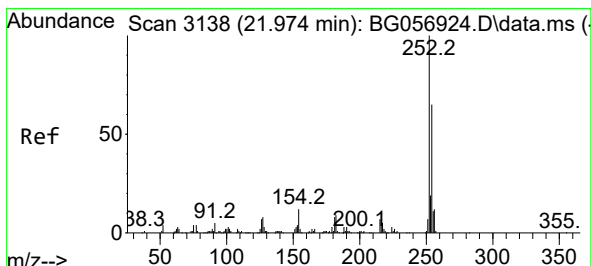
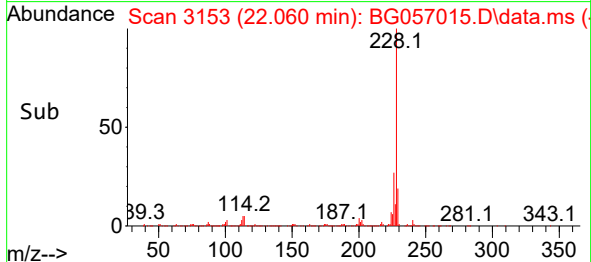
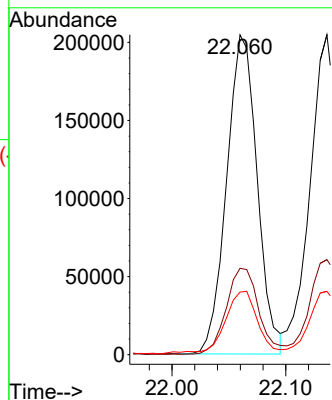
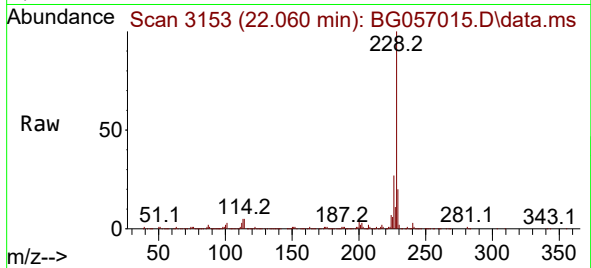




#81
Benzo(a)anthracene
Concen: 61.902 ng
RT: 22.060 min Scan# 3155
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

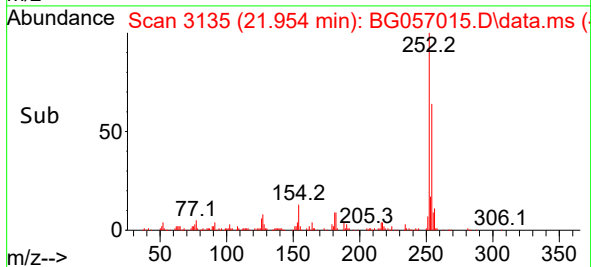
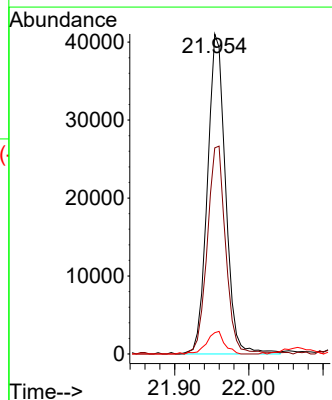
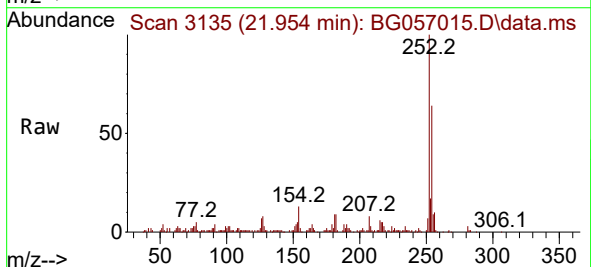
Instrument :
BNA_G
ClientSampleId :
72-11982MS

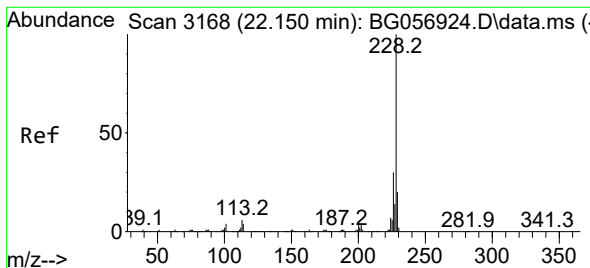
Tgt Ion:228 Resp: 381211
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.6 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 33.523 ng
RT: 21.954 min Scan# 3135
Delta R.T. -0.005 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:252 Resp: 69713
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 6.7 5.6 8.4





#83

Chrysene

Concen: 63.307 ng

RT: 22.136 min Scan# 3166

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

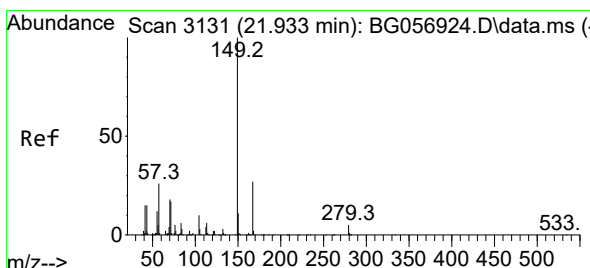
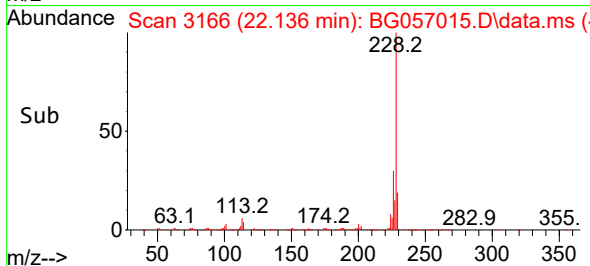
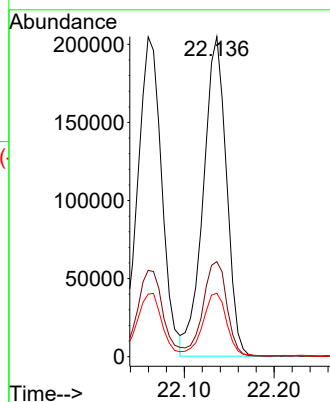
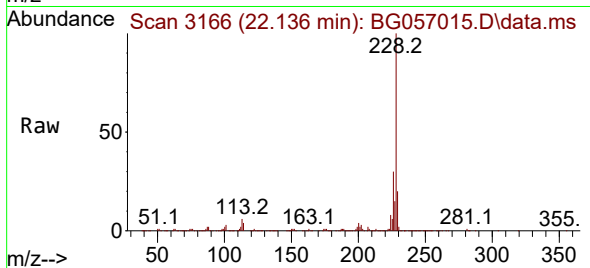
Tgt Ion:228 Resp: 365034

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.899 ng

RT: 21.913 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

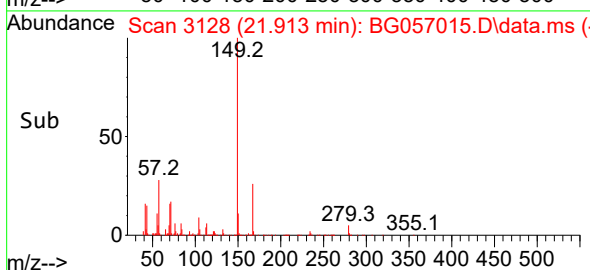
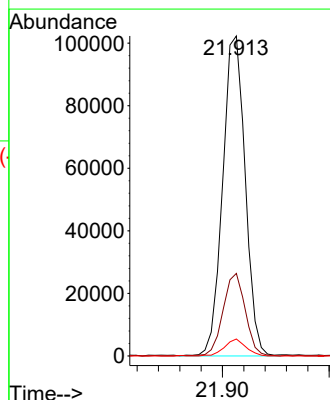
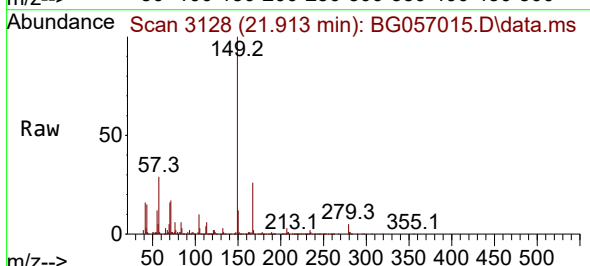
Tgt Ion:149 Resp: 149980

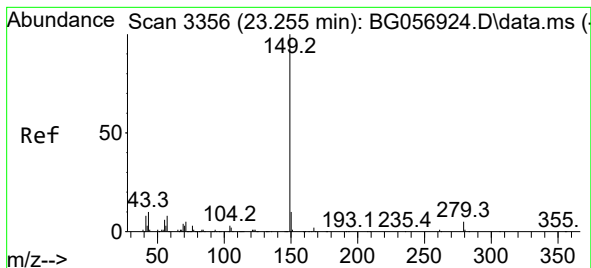
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.2

279 5.3 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 47.665 ng

RT: 23.223 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

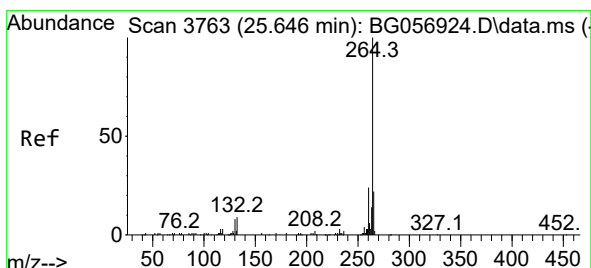
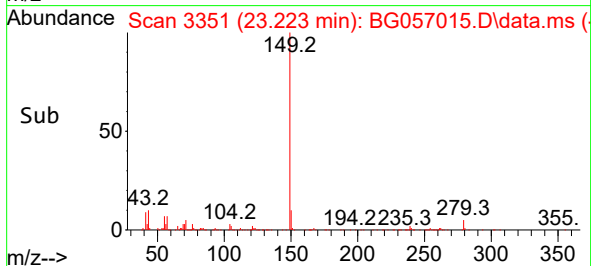
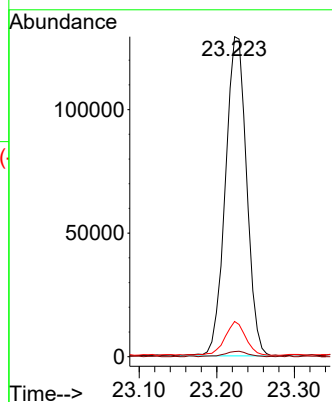
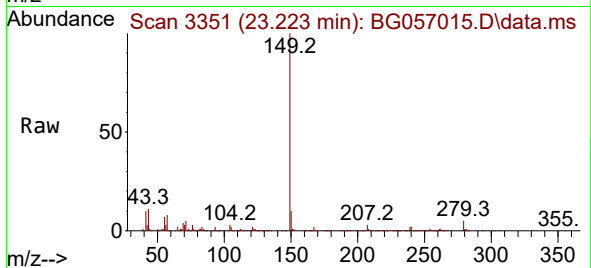
Tgt Ion:149 Resp: 246361

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 10.3 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.620 min Scan# 3759

Delta R.T. -0.005 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

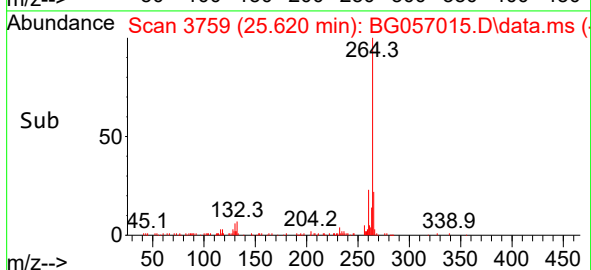
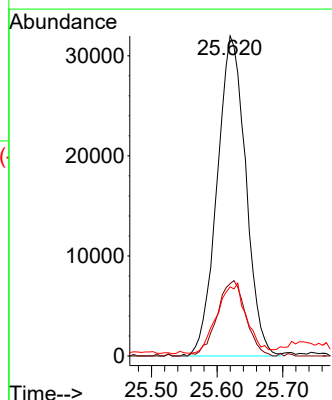
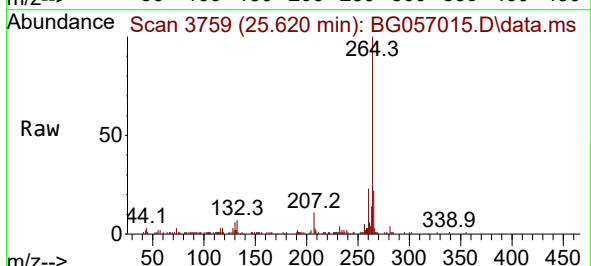
Tgt Ion:264 Resp: 96874

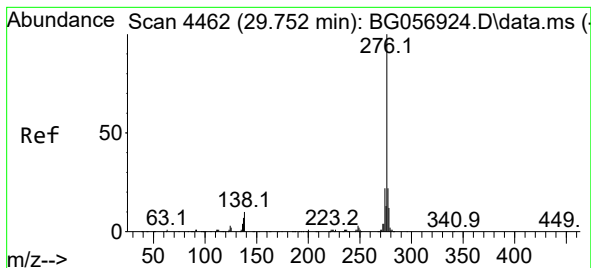
Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.4

265 21.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.830 ng

RT: 29.738 min Scan# 4460

Delta R.T. 0.012 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

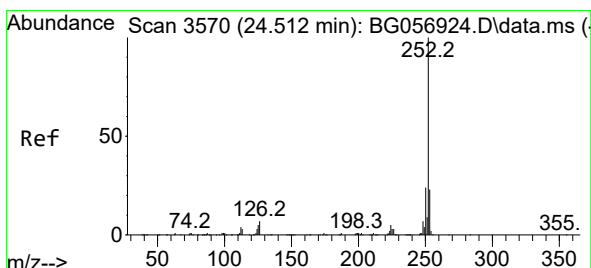
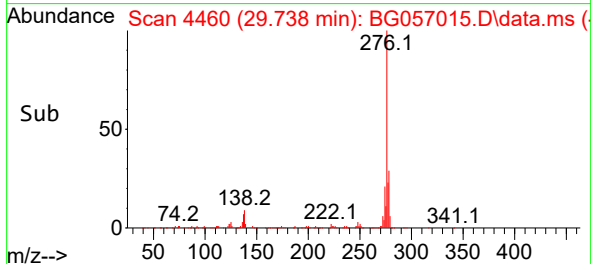
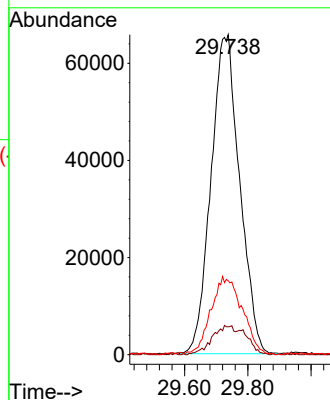
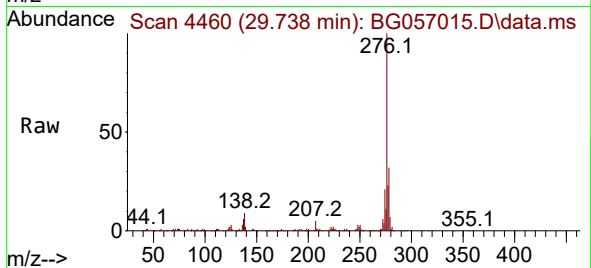
Tgt Ion:276 Resp: 414034

Ion Ratio Lower Upper

276 100

138 7.1 7.7 11.5#

277 26.7 21.0 31.4



#88

Benzo(b)fluoranthene

Concen: 68.987 ng

RT: 24.498 min Scan# 3568

Delta R.T. 0.006 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

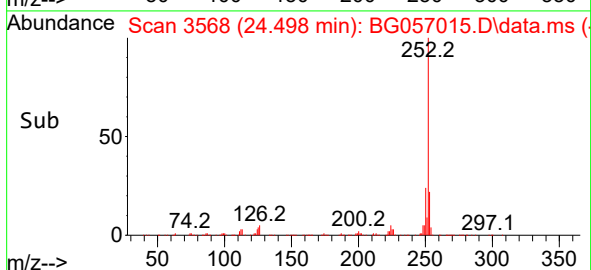
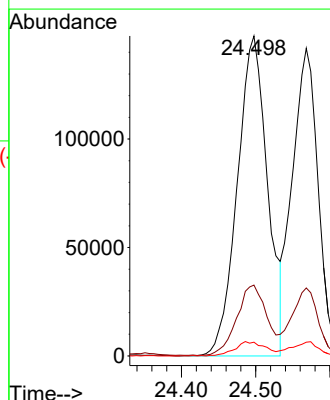
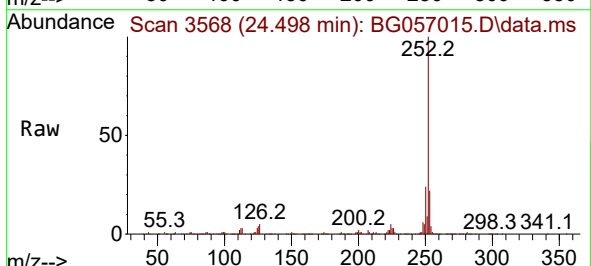
Tgt Ion:252 Resp: 417912

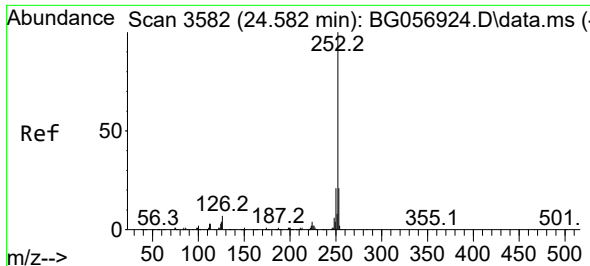
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 4.3 4.2 6.4

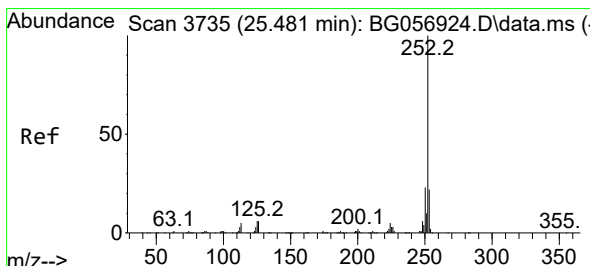
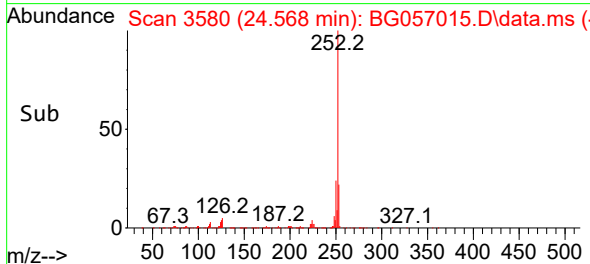
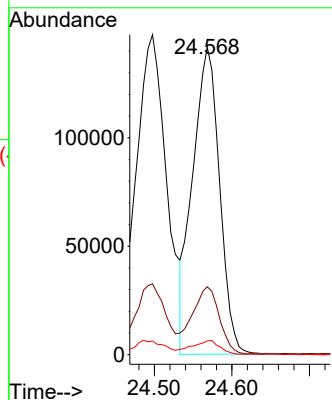
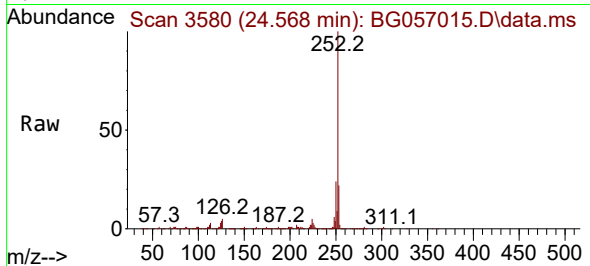




#89
Benzo(k)fluoranthene
Concen: 56.300 ng
RT: 24.568 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

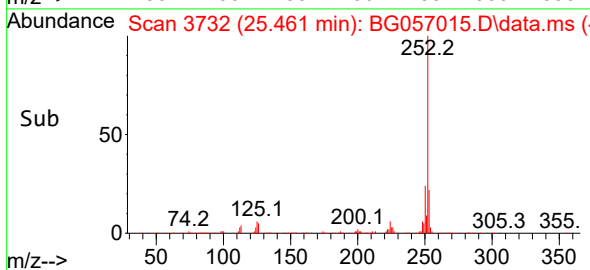
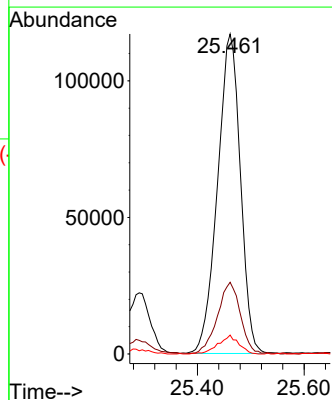
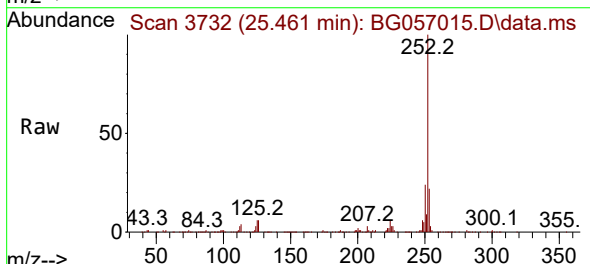
Instrument :
BNA_G
ClientSampleId :
72-11982MS

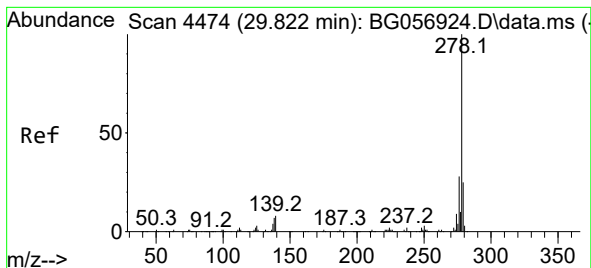
Tgt Ion:252 Resp: 340483
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 4.5 3.8 5.6



#90
Benzo(a)pyrene
Concen: 58.318 ng
RT: 25.461 min Scan# 3732
Delta R.T. 0.000 min
Lab File: BG057015.D
Acq: 6 Apr 2023 16:54

Tgt Ion:252 Resp: 347152
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 5.9 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 52.052 ng

RT: 29.791 min Scan# 44

Delta R.T. 0.000 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Instrument :

BNA_G

ClientSampleId :

72-11982MS

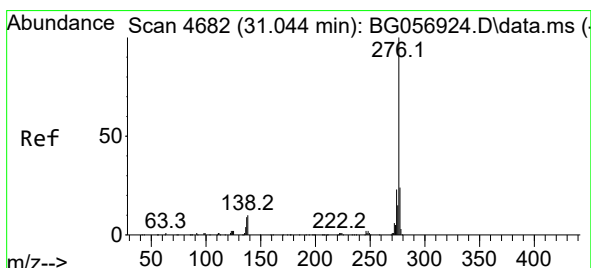
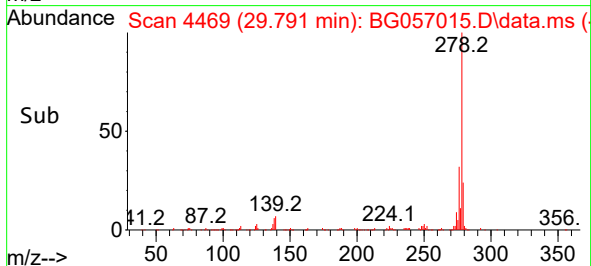
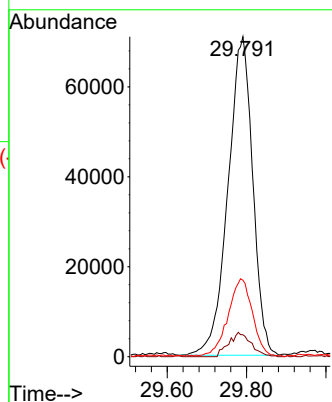
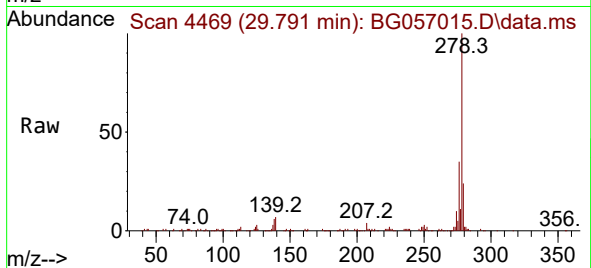
Tgt Ion:278 Resp: 306321

Ion Ratio Lower Upper

278 100

139 6.9 6.4 9.6

279 23.9 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 59.365 ng

RT: 31.018 min Scan# 4678

Delta R.T. 0.006 min

Lab File: BG057015.D

Acq: 6 Apr 2023 16:54

Tgt Ion:276 Resp: 342090

Ion Ratio Lower Upper

276 100

277 23.0 19.1 28.7

138 8.3 8.2 12.2

