

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062022\
 Data File : BG053956.D
 Acq On : 20 Jun 2022 19:57
 Operator : CG/JU
 Sample : N3358-08MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

Quant Time: Jun 20 23:58:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 20 15:29:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	21764	20.000	ng/u1	0.00
20) Naphthalene-d8	10.891	136	87295	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.704	164	66358	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.448	188	177829	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.725	240	196487	20.000	ng/u1	# 0.00
88) Perylene-d12	24.986	264	208276	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.499	96	2322	5.076	ng/uL	0.00
4) Pyridine-d5	3.916	84	15709	12.626	ng/u1	0.00
7) Phenol-d5	7.230	99	13303	8.532	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.401	67	31340	33.321	ng/u1	0.00
11) 2-Chlorophenol-d4	7.612	132	34084	27.413	ng/u1	0.00
15) 4-Methylphenol-d8	8.781	113	25663	19.304	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	22197	34.257	ng/u1	0.00
24) 2-Nitrophenol-d4	9.962	143	24306	35.305	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.503	165	50945	33.446	ng/u1	0.00
31) 4-Chloroaniline-d4	11.014	131	55420	28.800	ng/u1	0.00
46) Dimethylphthalate-d6	14.104	166	206373	39.533	ng/u1	0.00
49) Acenaphthylene-d8	14.398	160	201552	35.506	ng/u1	0.00
54) 4-Nitrophenol-d4	14.880	143	7256	10.151	ng/u1	0.00
60) Fluorene-d10	15.691	176	177836	37.925	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.808	200	41291	42.565	ng/u1	0.00
73) Anthracene-d10	17.547	188	309820	38.578	ng/u1	0.00
81) Pyrene-d10	19.827	212	410595	40.079	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.763	264	422378	40.176	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.540	88	2976	5.962	ng/uL#	84
5) Pyridine	3.934	79	16739	12.973	ng/u1	97
6) Benzaldehyde	7.213	77	36242	45.646	ng/u1	98
8) Phenol	7.260	94	28305	17.398	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.489	93	42229	34.267	ng/u1	89
12) 2-Chlorophenol	7.641	128	35147	27.686	ng/u1	98
13) 2-Methylphenol	8.517	108	29303	23.203	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.605	45	61260	33.466	ng/u1#	95
16) Acetophenone	8.899	105	72433	35.229	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.881	70	37527	35.805	ng/u1	96
18) 4-Methylphenol	8.840	108	27956	20.693	ng/u1	100
19) Hexachloroethane	9.169	117	17675	32.857	ng/u1#	83
22) Nitrobenzene	9.281	77	53543	34.693	ng/u1	92
23) Isophorone	9.815	82	109072	36.450	ng/u1	95
25) 2-Nitrophenol	9.998	139	25928	35.916	ng/u1	89
26) 2,4-Dimethylphenol	10.050	107	47926	30.403	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.285	93	58548	34.756	ng/u1	98
29) 2,4-Dichlorophenol	10.532	162	50453	33.123	ng/u1	96
30) Naphthalene	10.938	128	142917	33.003	ng/u1	100
32) 4-Chloroaniline	11.037	127	56920	29.829	ng/u1	100
33) Hexachlorobutadiene	11.231	225	49234	33.092	ng/u1	97
35) 4-Chloro-3-methylphenol	12.160	107	48897	33.381	ng/u1	97
36) 2-Methylnaphthalene	12.542	142	103257	32.234	ng/u1	96
37) 1-Methylnaphthalene	12.759	142	107854	33.761	ng/u1	96

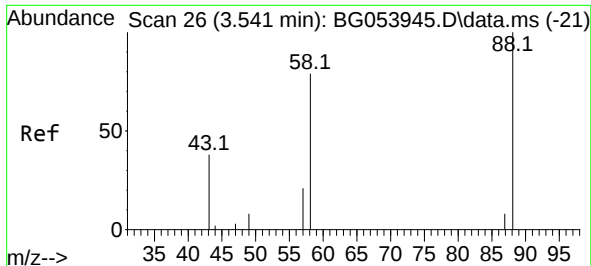
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062022\
 Data File : BG053956.D
 Acq On : 20 Jun 2022 19:57
 Operator : CG/JU
 Sample : N3358-08MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

Quant Time: Jun 20 23:58:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 20 15:29:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.906	216	93179	34.546	ng/ul#	96
40) Hexachlorocyclopentadiene	12.888	237	41190	27.229	ng/ul	96
41) 2,4,6-Trichlorophenol	13.141	196	55986	39.993	ng/ul	91
42) 2,4,5-Trichlorophenol	13.206	196	63332	40.017	ng/ul	98
43) 1,1'-Biphenyl	13.540	154	162987	35.438	ng/ul	98
44) 2-Chloronaphthalene	13.582	162	131499	34.429	ng/ul	98
45) 2-Nitroaniline	13.775	65	40929	42.596	ng/ul	95
47) Dimethylphthalate	14.151	163	199756	39.812	ng/ul	98
48) 2,6-Dinitrotoluene	14.269	165	44372	43.972	ng/ul	91
50) Acenaphthylene	14.428	152	213738	36.670	ng/ul	99
51) 3-Nitroaniline	14.598	138	35535	43.379	ng/ul#	93
52) Acenaphthene	14.768	153	144413	37.103	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	24022	51.386	ng/ul#	61
55) 4-Nitrophenol	14.898	109	8000	11.417	ng/ul	84
56) Dibenzofuran	15.103	168	225370	37.843	ng/ul	100
57) 2,4-Dinitrotoluene	15.056	165	62757	42.873	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.327	232	63774	46.374	ng/ul	92
59) Diethylphthalate	15.515	149	201752	41.009	ng/ul	98
61) Fluorene	15.750	166	186241	38.397	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.738	204	117016	37.942	ng/ul	95
63) 4-Nitroaniline	15.761	138	37352	47.420	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.820	198	40545	43.541	ng/ul	98
67) N-Nitrosodiphenylamine	15.949	169	177495	40.827	ng/ul	97
68) 4-Bromophenyl-phenylether	16.631	248	88887	40.241	ng/ul	95
69) Hexachlorobenzene	16.760	284	103602	40.018	ng/ul#	90
70) Atrazine	16.901	200	79378	37.173	ng/ul	97
71) Pentachlorophenol	17.095	266	55428	50.512	ng/ul	94
72) Phenanthrene	17.489	178	347959	39.495	ng/ul	100
74) Anthracene	17.583	178	347227	39.107	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.505	216	101808	33.613	ng/uL	96
76) Pentachlorobenzene	15.027	250	106659	38.288	ng/uL	96
77) Carbazole	17.847	167	299653	40.933	ng/ul	100
78) Di-n-butylphthalate	18.405	149	349644	41.951	ng/ul	99
80) Fluoranthene	19.498	202	467379	40.867	ng/ul#	93
82) Pyrene	19.857	202	452206	39.770	ng/ul#	95
83) Butylbenzylphthalate	20.738	149	151263	44.143	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.613	252	69524	17.098	ng/ul#	99
85) Benzo(a)anthracene	21.701	228	493321	40.733	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.607	149	220054	43.948	ng/ul	97
87) Chrysene	21.772	228	473778	40.776	ng/ul	99
89) Di-n-octyl phthalate	22.835	149	381074	42.603	ng/ul	100
90) Benzo(b)fluoranthene	23.946	252	534172	41.535	ng/ul#	97
91) Benzo(k)fluoranthene	24.016	252	499457	40.559	ng/ul#	97
93) Benzo(a)pyrene	24.833	252	506446	40.880	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.711	276	627468	42.098	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.781	278	529428	42.207	ng/ul#	96
96) Benzo(g,h,i)perylene	29.880	276	533982	42.431	ng/ul#	94

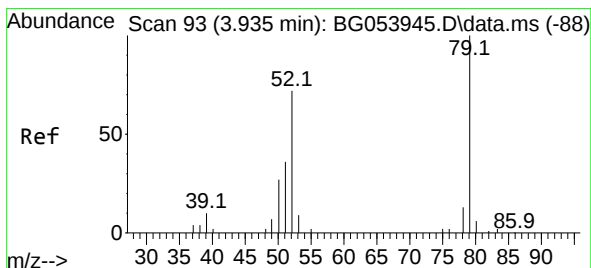
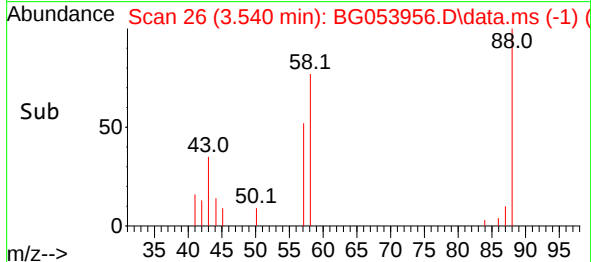
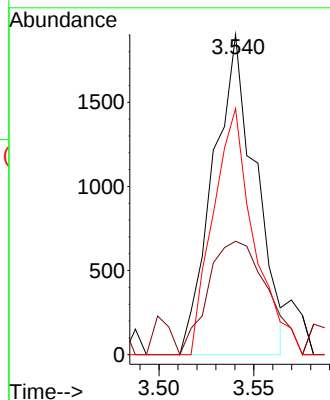
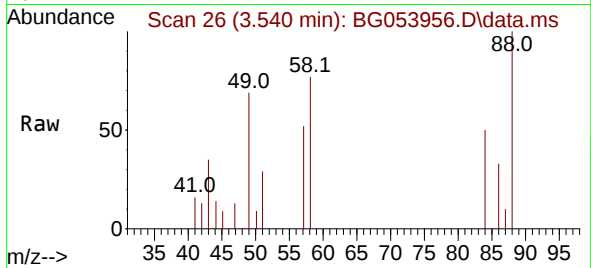
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 5.962 ng/uL
RT: 3.540 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

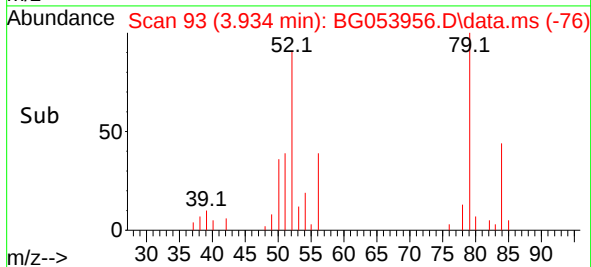
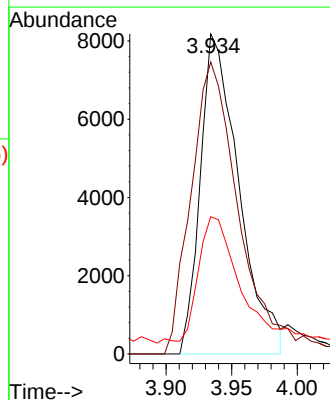
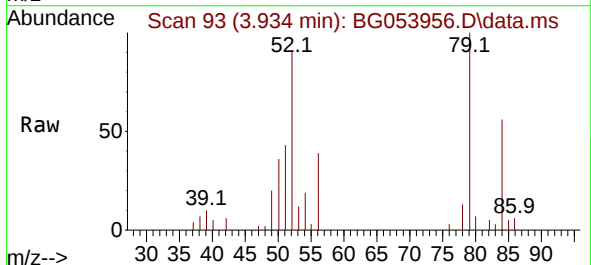
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

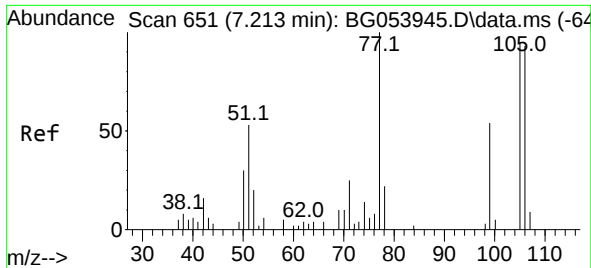
Tgt Ion: 88 Resp: 2976
Ion Ratio Lower Upper
88 100
43 35.4 48.1 72.1#
58 76.9 59.8 89.6



#5
Pyridine
Concen: 12.973 ng/uL
RT: 3.934 min Scan# 93
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion: 79 Resp: 16739
Ion Ratio Lower Upper
79 100
52 91.2 75.4 113.2
51 42.9 35.2 52.8

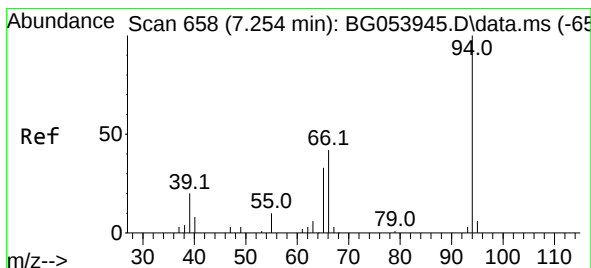
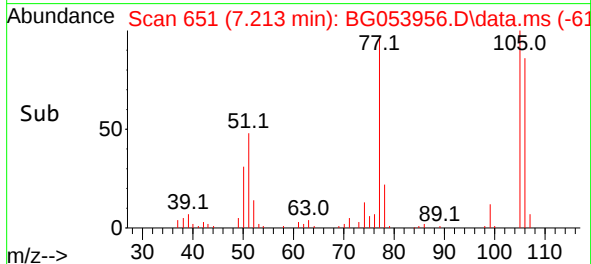
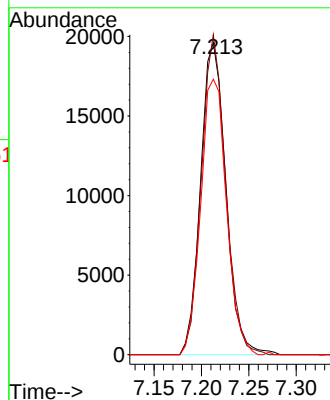
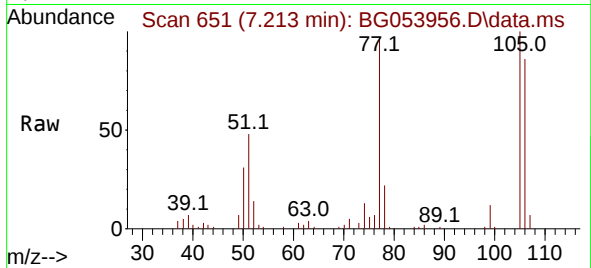




#6
Benzaldehyde
Concen: 45.646 ng/ul
RT: 7.213 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

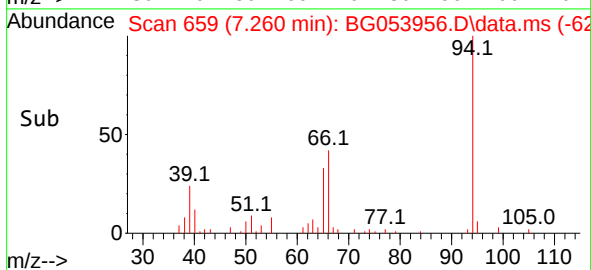
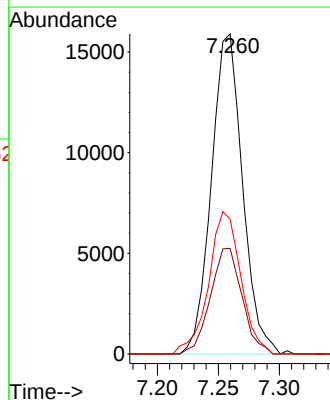
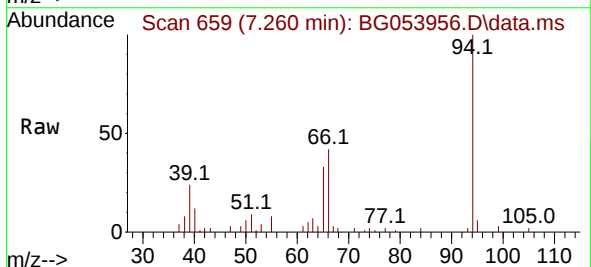
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

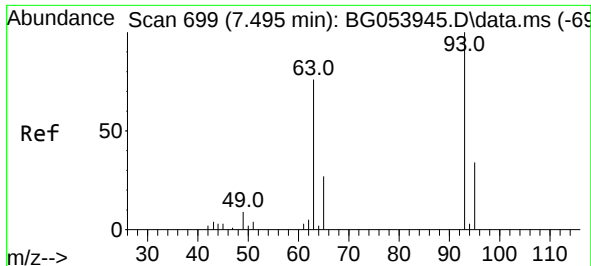
Tgt Ion: 77 Resp: 36242
Ion Ratio Lower Upper
77 100
105 102.6 79.7 119.5
106 88.3 71.0 106.4



#8
Phenol
Concen: 17.398 ng/ul
RT: 7.260 min Scan# 659
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion: 94 Resp: 28305
Ion Ratio Lower Upper
94 100
65 33.0 24.1 36.1
66 42.1 32.5 48.7

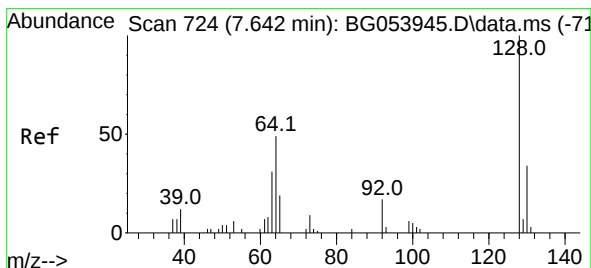
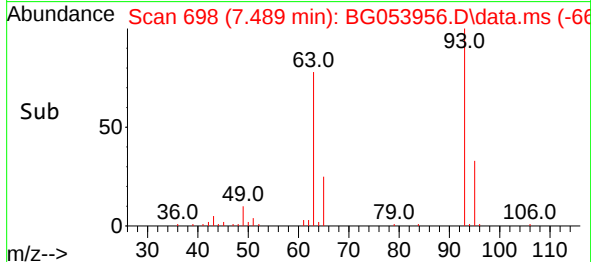
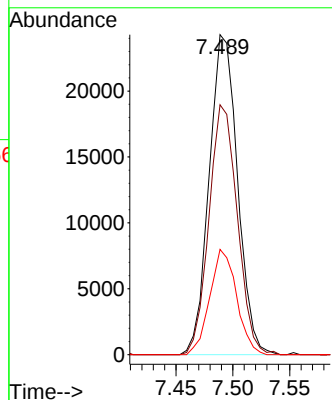
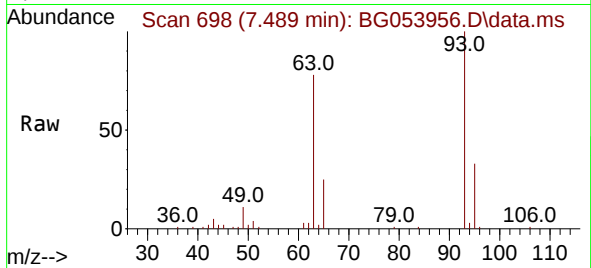




#10
Bis(2-Chloroethyl)ether
Concen: 34.267 ng/ul
RT: 7.489 min Scan# 699
Delta R.T. -0.007 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

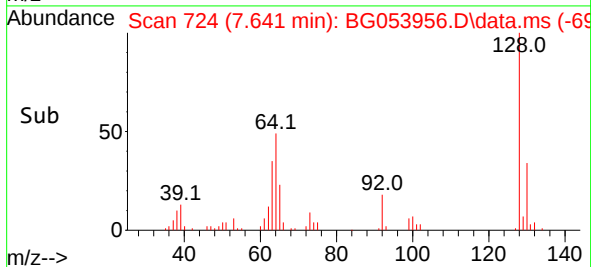
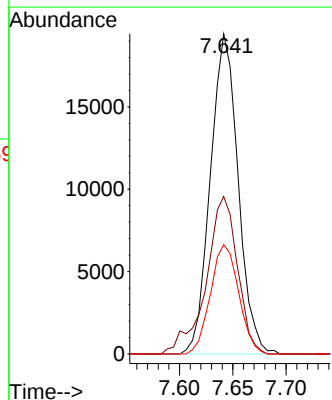
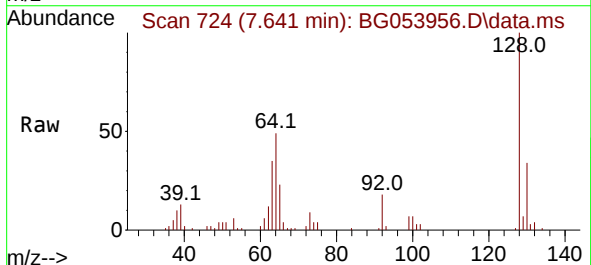
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

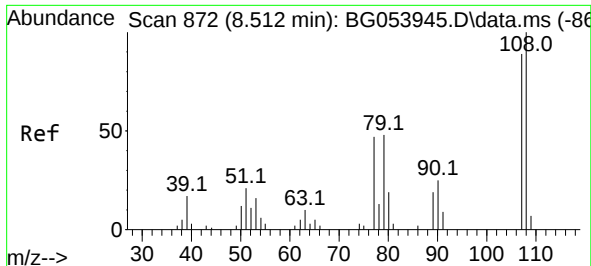
Tgt Ion: 93	Resp:	42229
Ion	Ratio	Lower Upper
93	100	
63	78.1	72.3 108.5
95	32.9	29.4 44.0



#12
2-Chlorophenol
Concen: 27.686 ng/ul
RT: 7.641 min Scan# 724
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion: 128	Resp:	35147
Ion	Ratio	Lower Upper
128	100	
64	49.2	41.4 62.2
130	34.1	27.0 40.6





#13

2-Methylphenol

Concen: 23.203 ng/ul

RT: 8.517 min Scan# 81

Delta R.T. 0.005 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

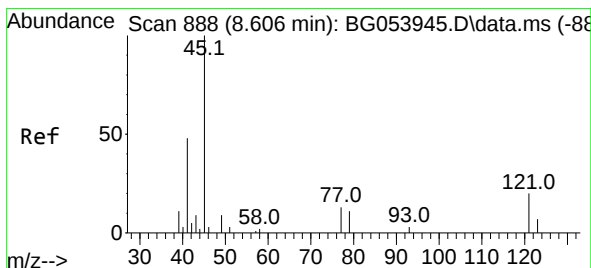
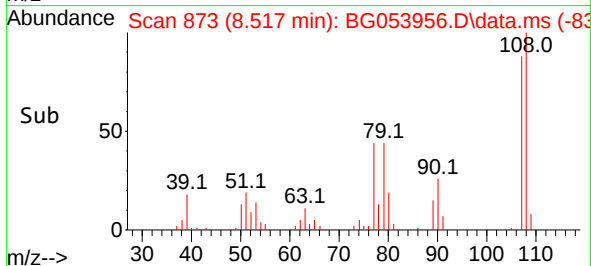
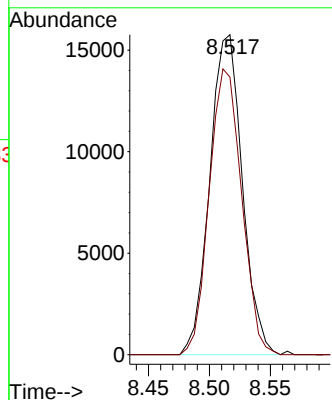
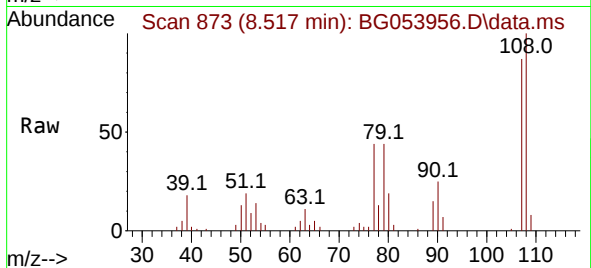
EW4R7MS

Tgt Ion:108 Resp: 29303

Ion Ratio Lower Upper

108 100

107 86.7 75.8 113.8



#14

2,2'-oxybis(1-Chloropropane)

Concen: 33.466 ng/ul

RT: 8.605 min Scan# 888

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

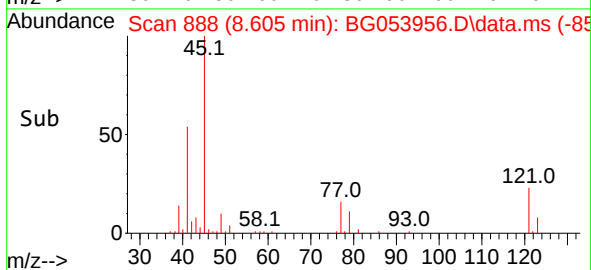
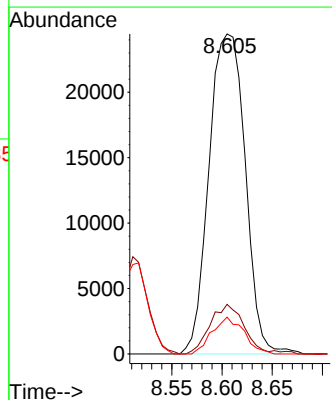
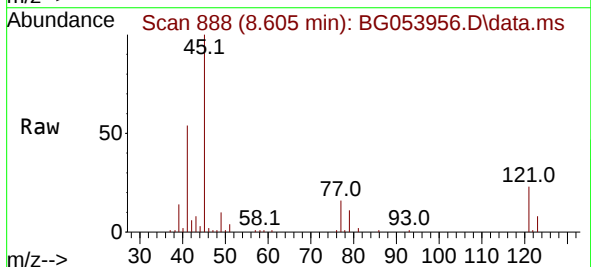
Tgt Ion: 45 Resp: 61260

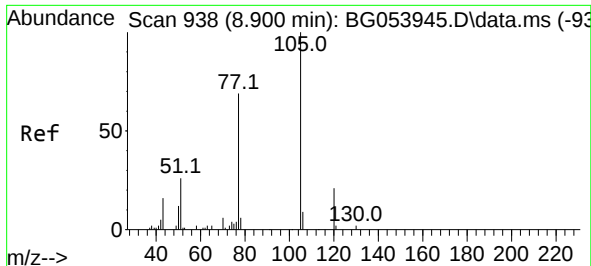
Ion Ratio Lower Upper

45 100

77 15.5 10.2 15.4#

79 11.5 8.1 12.1

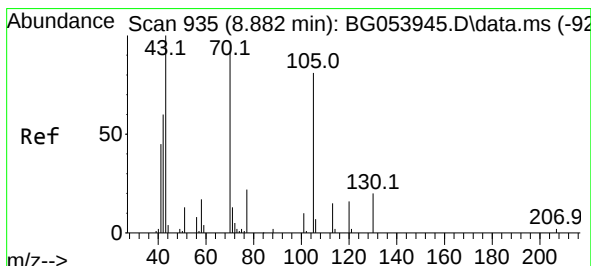
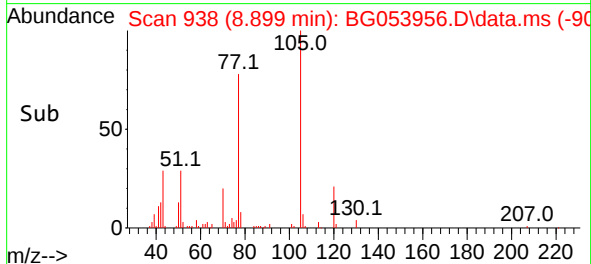
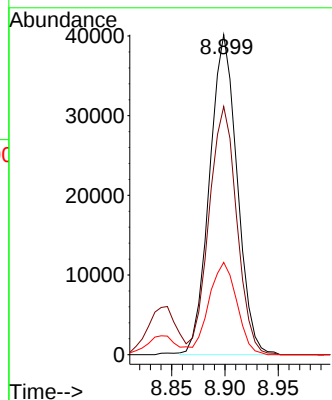
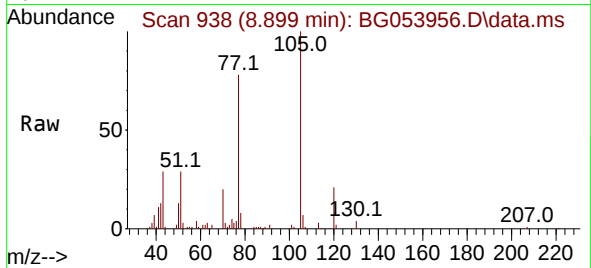




#16
Acetophenone
Concen: 35.229 ng/ul
RT: 8.899 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

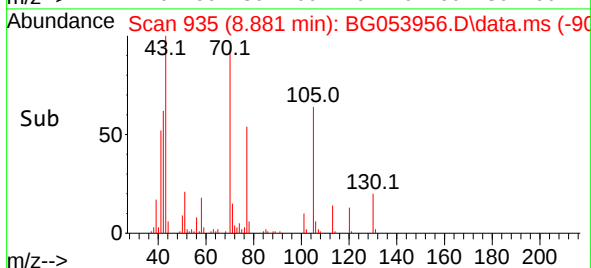
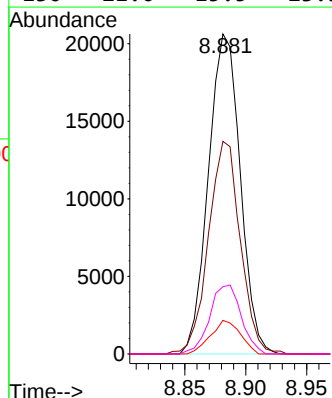
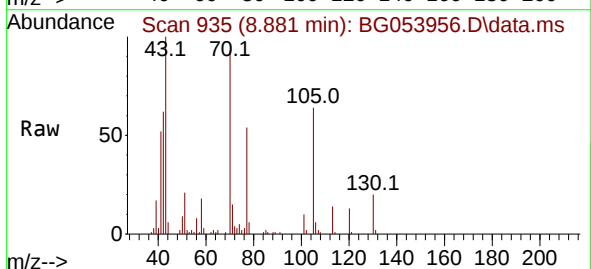
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

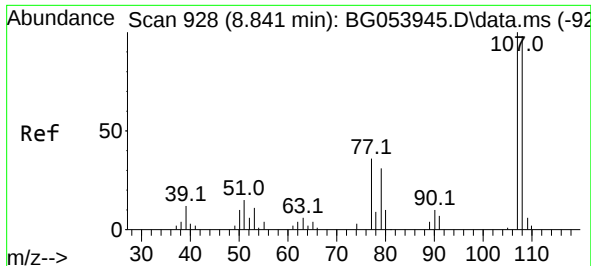
Tgt Ion:105 Resp: 72433
Ion Ratio Lower Upper
105 100
77 77.5 61.0 91.6
51 28.9 22.8 34.2



#17
N-Nitroso-di-n-propylamine
Concen: 35.805 ng/ul
RT: 8.881 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion: 70 Resp: 37527
Ion Ratio Lower Upper
70 100
42 66.4 50.2 75.4
101 10.5 7.1 10.7
130 21.0 15.5 23.3

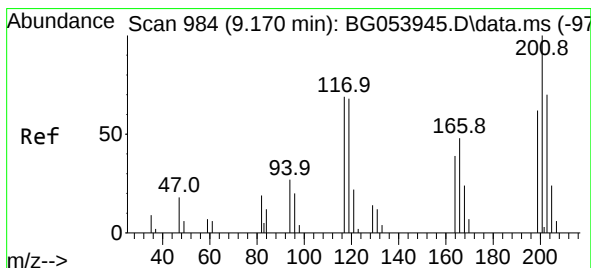
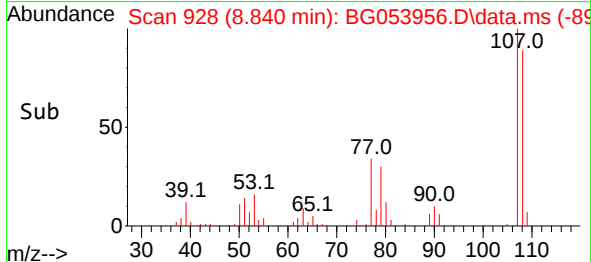
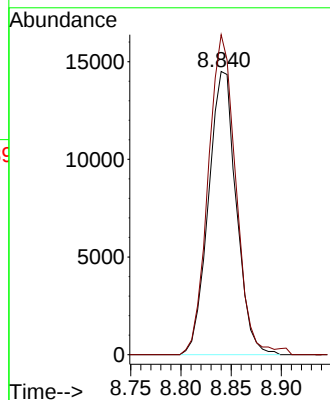
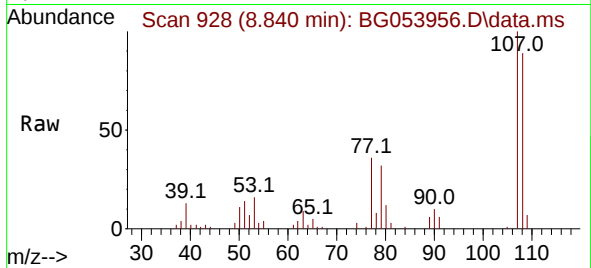




#18
4-Methylphenol
Concen: 20.693 ng/ul
RT: 8.840 min Scan# 911
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

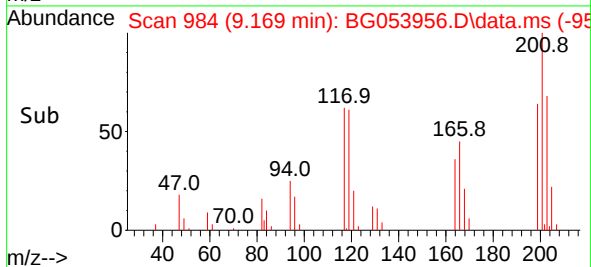
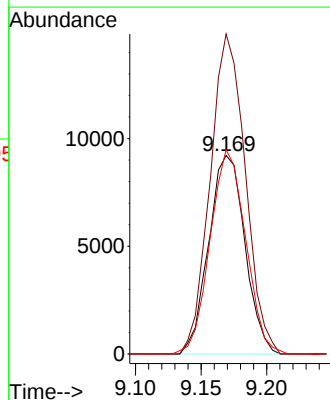
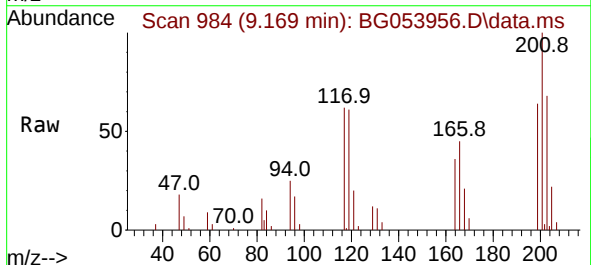
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

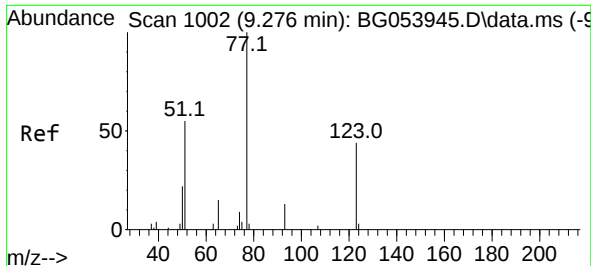
Tgt Ion:108 Resp: 27956
Ion Ratio Lower Upper
108 100
107 113.0 90.7 136.1



#19
Hexachloroethane
Concen: 32.857 ng/ul
RT: 9.169 min Scan# 984
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:117 Resp: 17675
Ion Ratio Lower Upper
117 100
201 161.2 117.4 176.0
199 102.9 64.0 96.0#

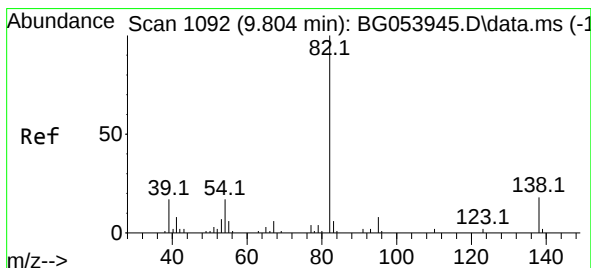
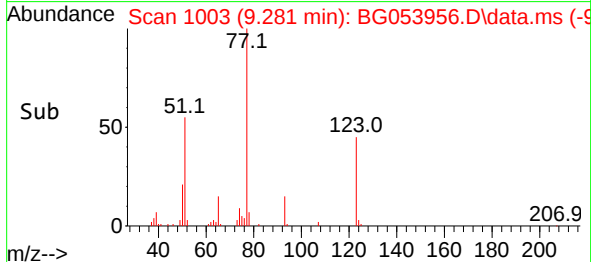
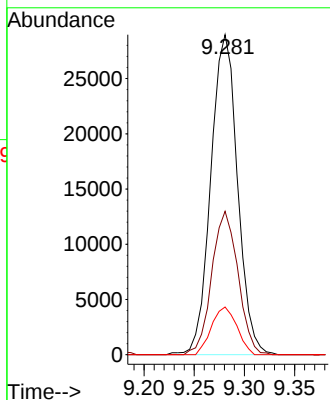
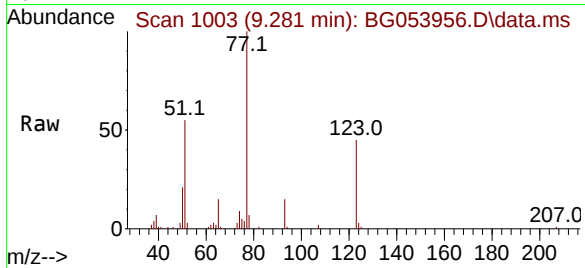




#22
Nitrobenzene
Concen: 34.693 ng/ul
RT: 9.281 min Scan# 1003
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

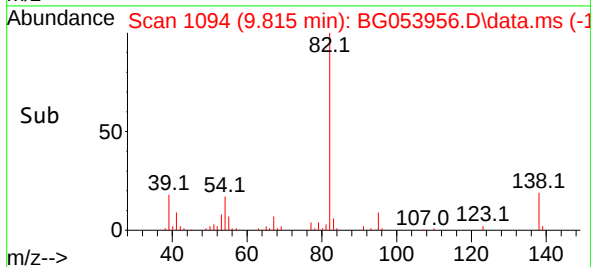
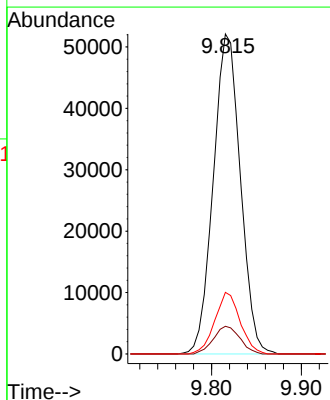
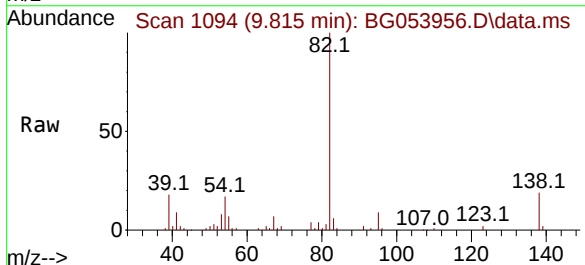
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

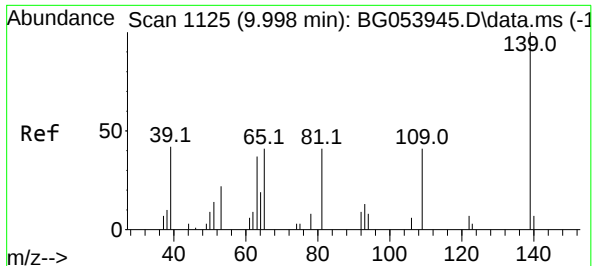
Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	31.2	46.8
65	14.9	10.5	15.7



#23
Isophorone
Concen: 36.450 ng/ul
RT: 9.815 min Scan# 1094
Delta R.T. 0.011 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.1	9.1
138	19.3	13.6	20.4

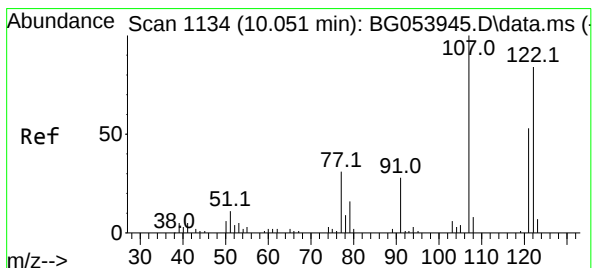
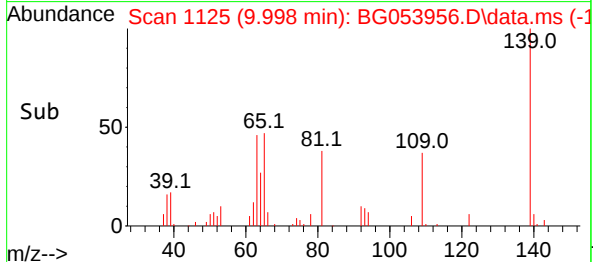
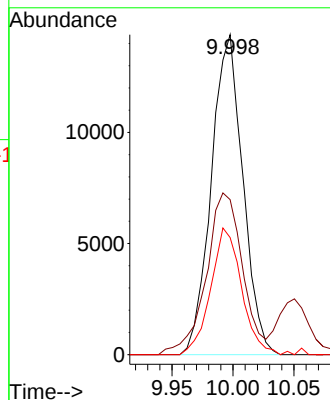
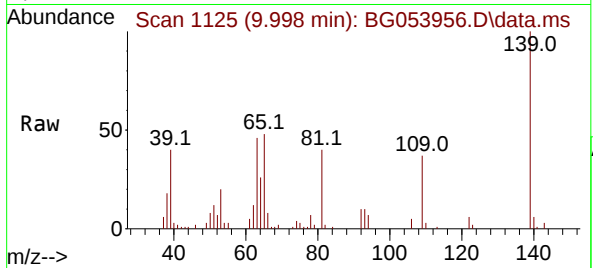




#25
2-Nitrophenol
Concen: 35.916 ng/ul
RT: 9.998 min Scan# 1125
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

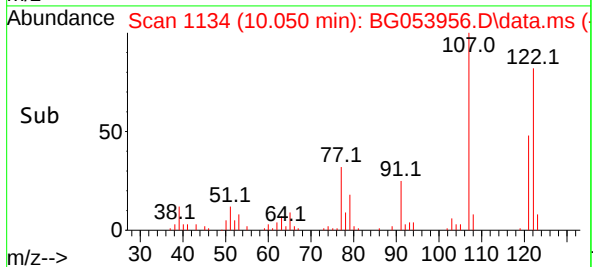
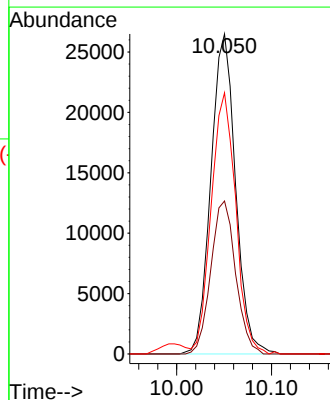
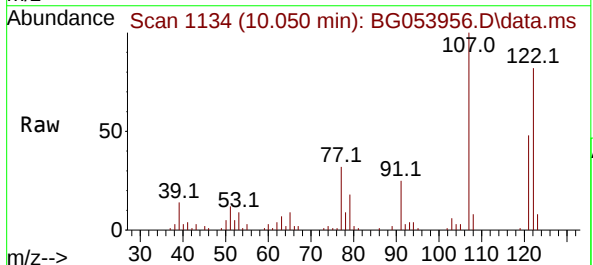
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

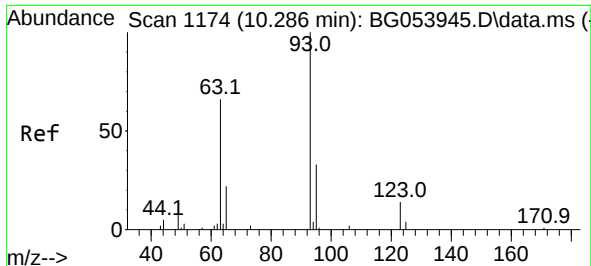
Tgt Ion:139 Resp: 25928
Ion Ratio Lower Upper
139 100
65 48.5 47.7 71.5
109 36.6 27.1 40.7



#26
2,4-Dimethylphenol
Concen: 30.403 ng/ul
RT: 10.050 min Scan# 1134
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:107 Resp: 47926
Ion Ratio Lower Upper
107 100
121 47.8 39.9 59.9
122 81.6 66.7 100.1





#27

Bis(2-Chloroethoxy)methane

Concen: 34.756 ng/ul

RT: 10.285 min Scan# 1174

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

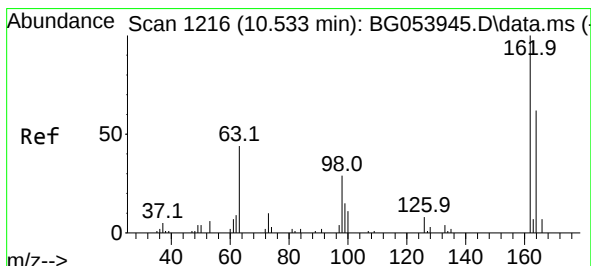
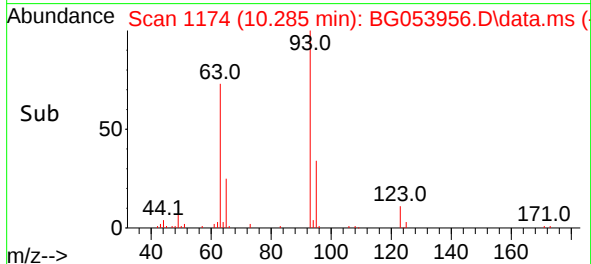
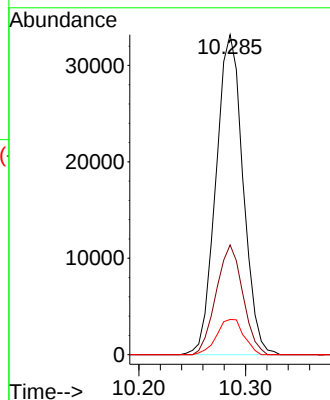
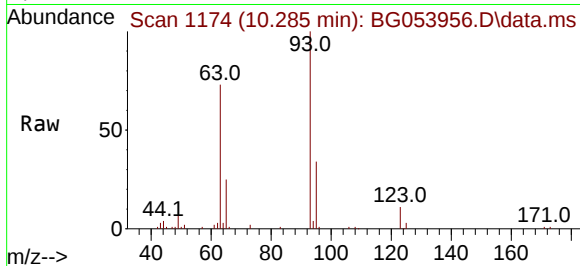
Tgt Ion: 93 Resp: 58548

Ion Ratio Lower Upper

93 100

95 34.3 26.5 39.7

123 11.0 8.8 13.2



#29

2,4-Dichlorophenol

Concen: 33.123 ng/ul

RT: 10.532 min Scan# 1216

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

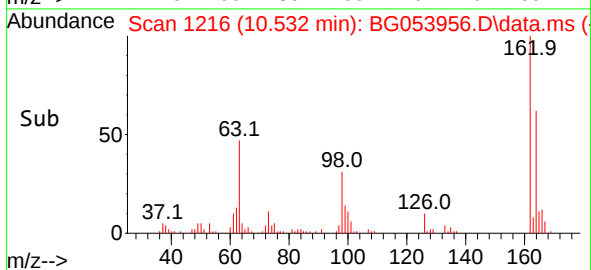
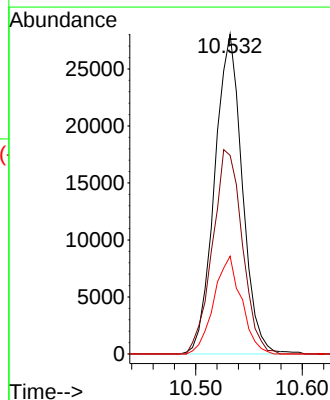
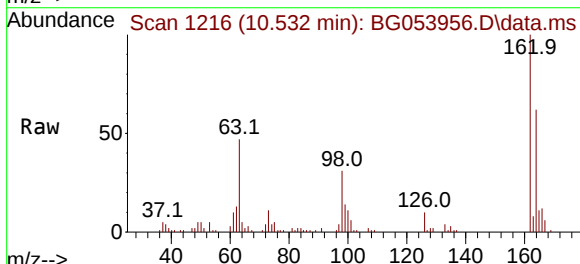
Tgt Ion:162 Resp: 50453

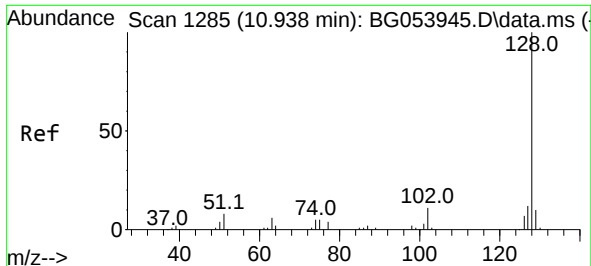
Ion Ratio Lower Upper

162 100

164 62.0 50.9 76.3

98 30.5 28.5 42.7

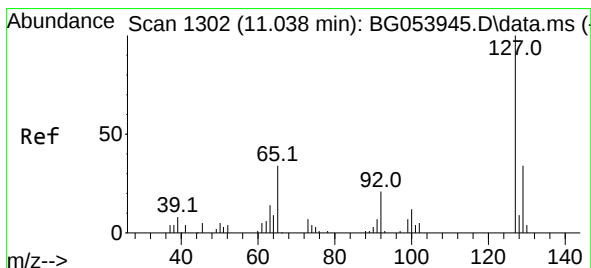
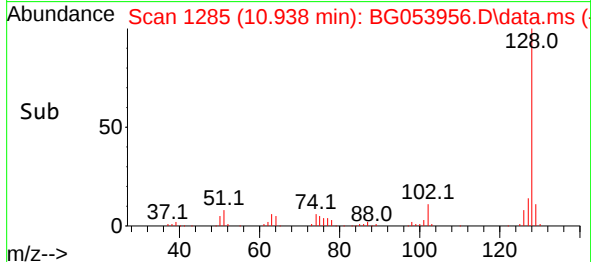
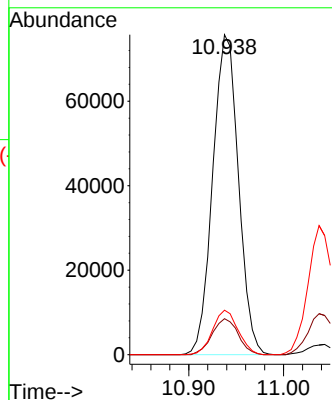
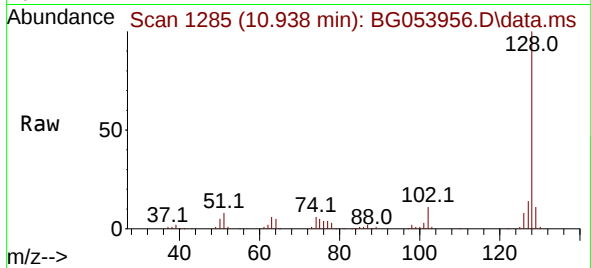




#30
Naphthalene
Concen: 33.003 ng/uI
RT: 10.938 min Scan# 1285
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

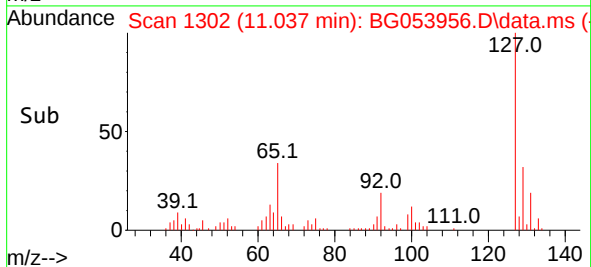
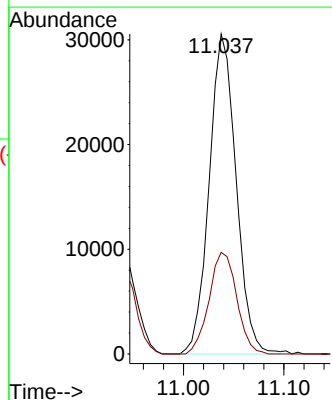
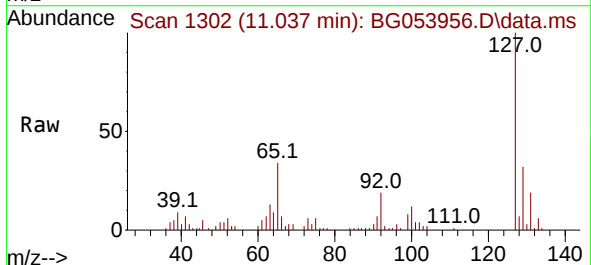
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

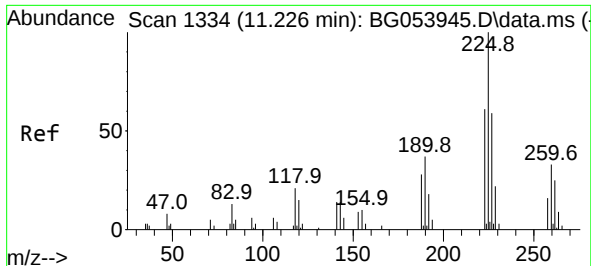
Tgt Ion:128 Resp: 142917
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.9 11.1 16.7



#32
4-Chloroaniline
Concen: 29.829 ng/uI
RT: 11.037 min Scan# 1302
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:127 Resp: 56920
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2

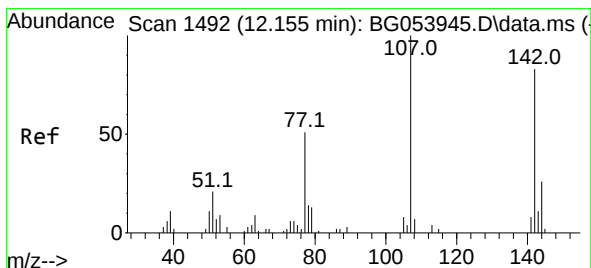
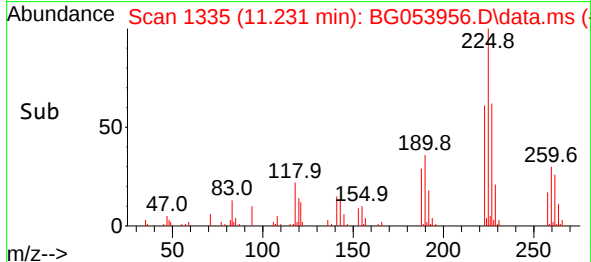
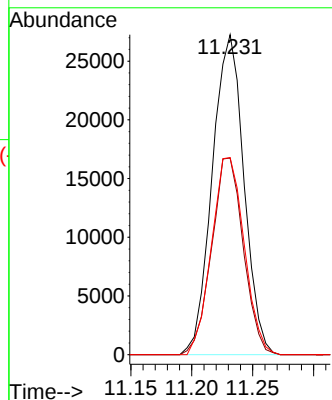
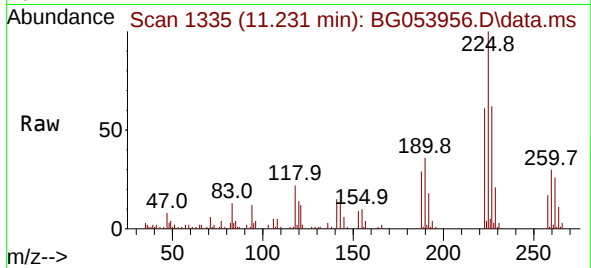




#33
Hexachlorobutadiene
Concen: 33.092 ng/ul
RT: 11.231 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

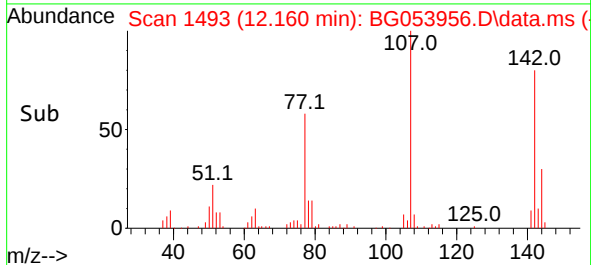
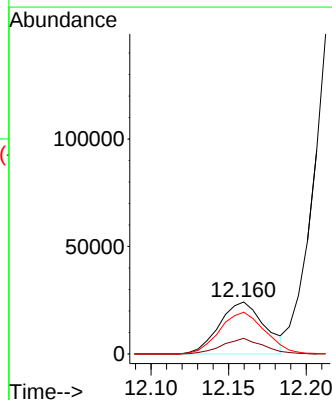
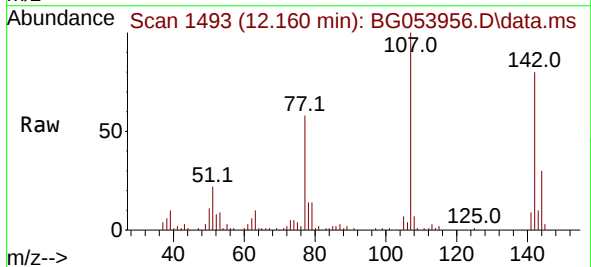
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

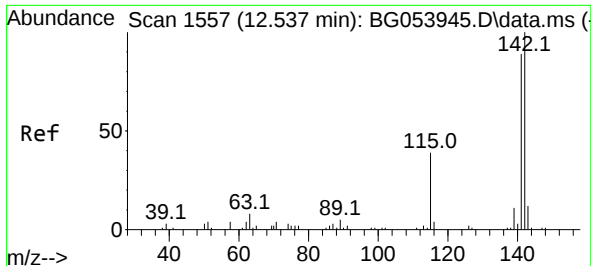
Tgt Ion:225 Resp: 49234
Ion Ratio Lower Upper
225 100
223 61.5 50.2 75.2
227 61.6 51.8 77.6



#35
4-Chloro-3-methylphenol
Concen: 33.381 ng/ul
RT: 12.160 min Scan# 1493
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:107 Resp: 48897
Ion Ratio Lower Upper
107 100
144 30.1 21.3 31.9
142 80.2 65.0 97.4

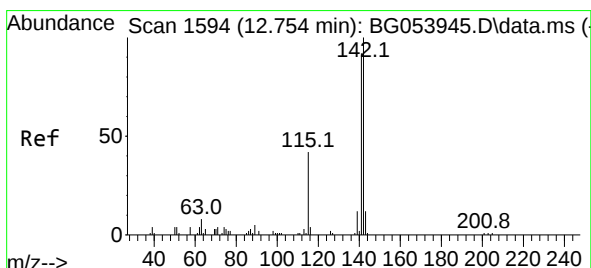
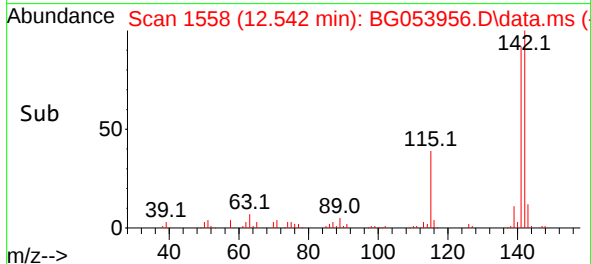
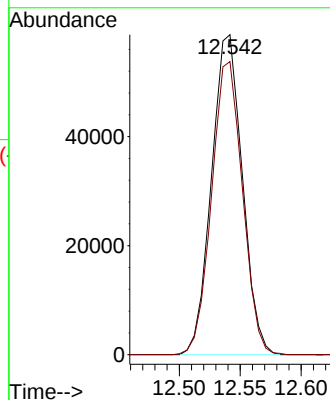
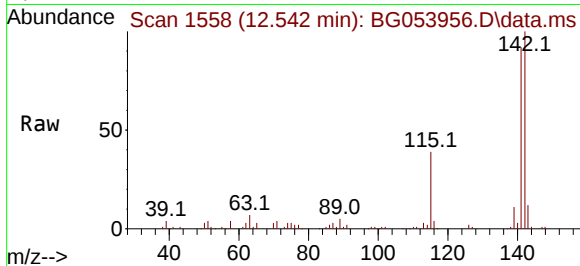




#36
2-Methylnaphthalene
Concen: 32.234 ng/ul
RT: 12.542 min Scan# 1558
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

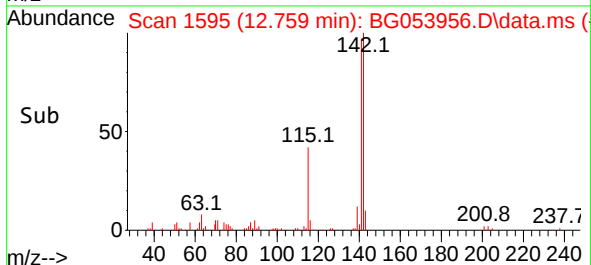
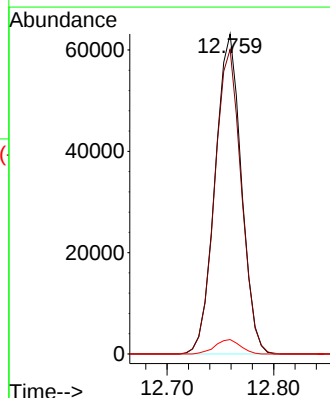
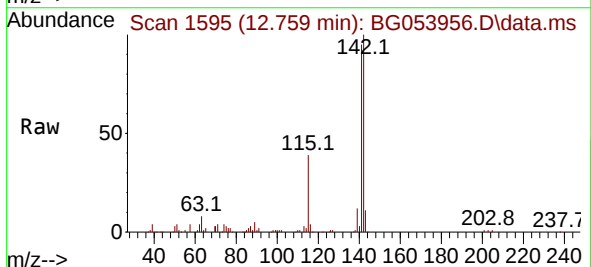
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

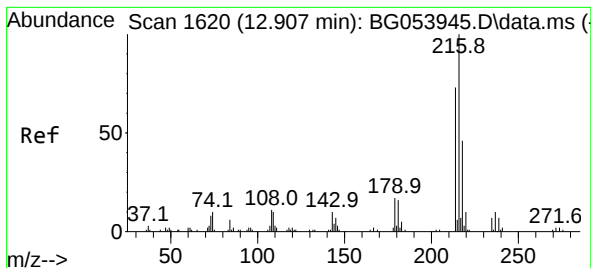
Tgt Ion:142 Resp: 103257
Ion Ratio Lower Upper
142 100
141 91.6 76.3 114.5



#37
1-Methylnaphthalene
Concen: 33.761 ng/ul
RT: 12.759 min Scan# 1595
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:142 Resp: 107854
Ion Ratio Lower Upper
142 100
141 95.2 73.4 110.2
116 4.5 3.2 4.8

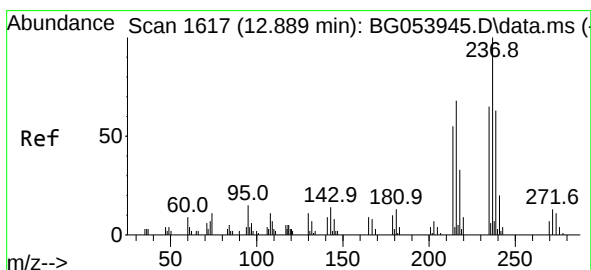
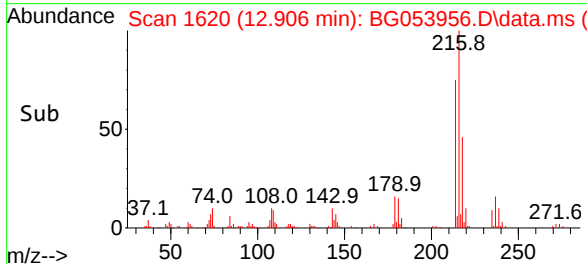
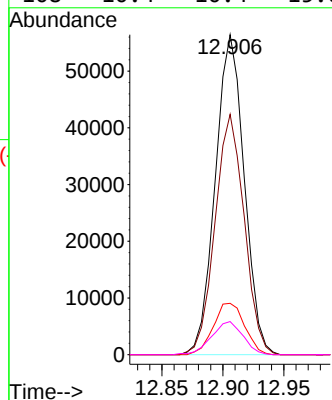
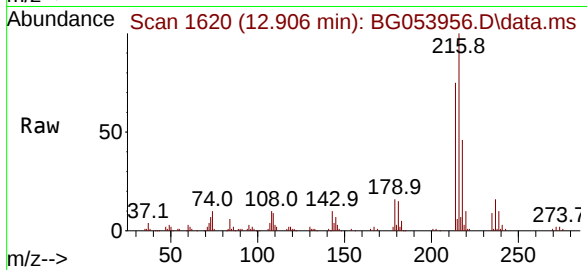




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.546 ng/ul
 RT: 12.906 min Scan# 1
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

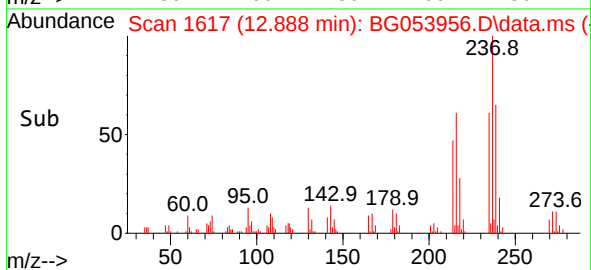
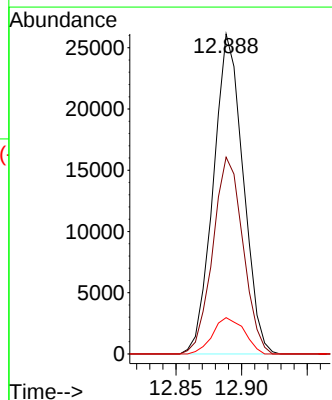
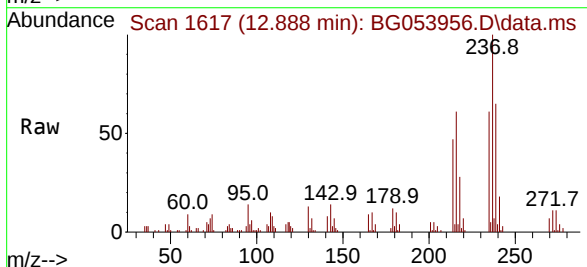
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

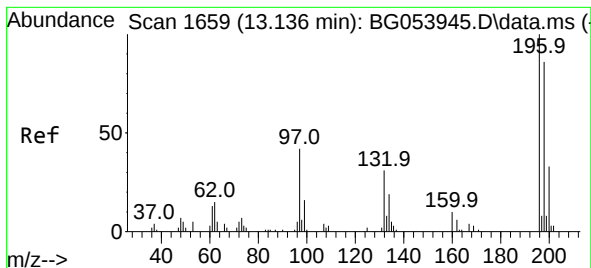
Tgt Ion:	216	Resp:	93179
Ion Ratio	Lower	Upper	
216	100		
214	75.1	58.1	87.1
179	16.1	14.8	22.2
108	10.4	10.4	15.6#



#40
 Hexachlorocyclopentadiene
 Concen: 27.229 ng/ul
 RT: 12.888 min Scan# 1617
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:	237	Resp:	41190
Ion Ratio	Lower	Upper	
237	100		
235	62.0	47.0	70.6
272	11.4	8.6	12.8





#41

2,4,6-Trichlorophenol

Concen: 39.993 ng/ul

RT: 13.141 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

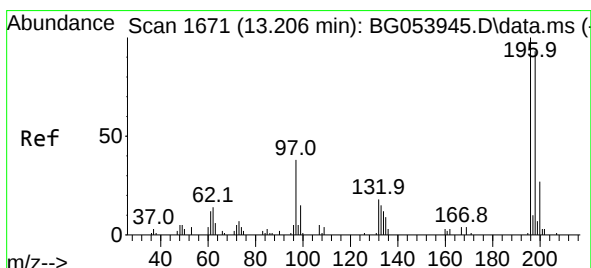
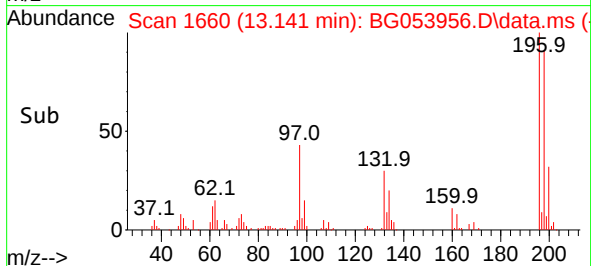
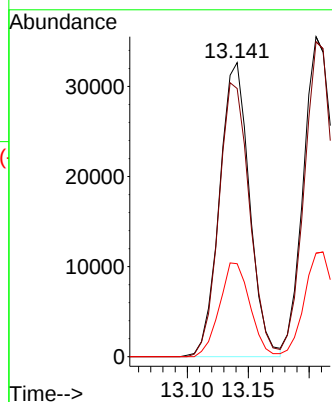
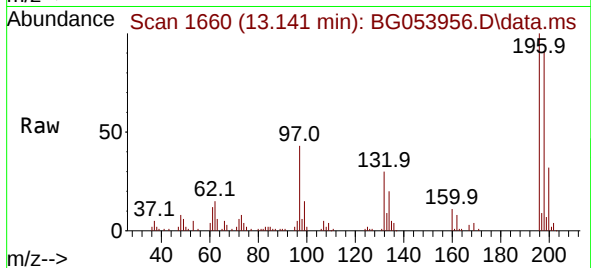
Tgt Ion:196 Resp: 55986

Ion Ratio Lower Upper

196 100

198 91.2 81.9 122.9

200 31.6 25.7 38.5



#42

2,4,5-Trichlorophenol

Concen: 40.017 ng/ul

RT: 13.206 min Scan# 1671

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

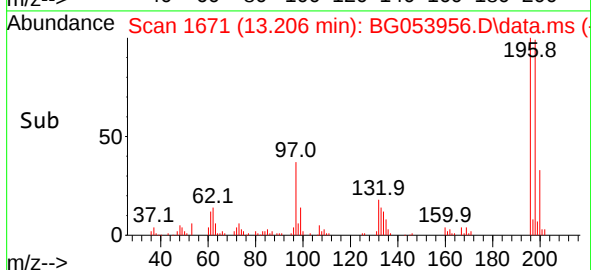
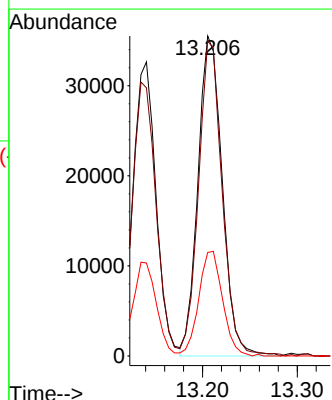
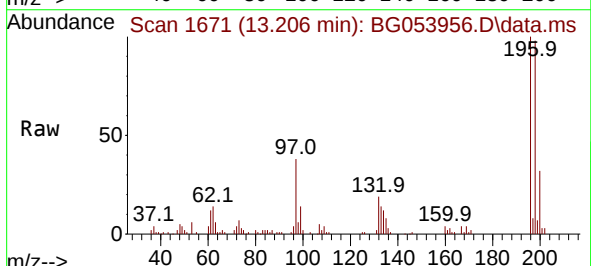
Tgt Ion:196 Resp: 63332

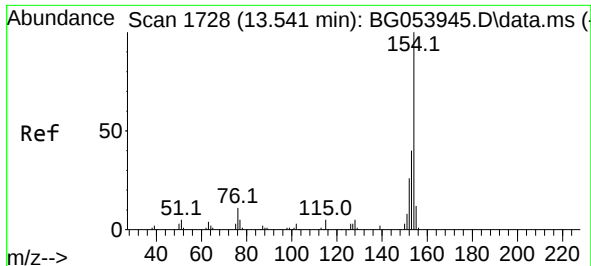
Ion Ratio Lower Upper

196 100

198 98.4 76.3 114.5

200 32.3 25.5 38.3

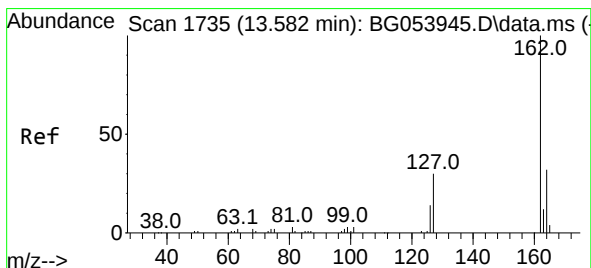
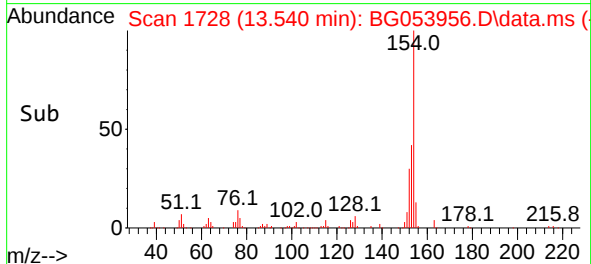
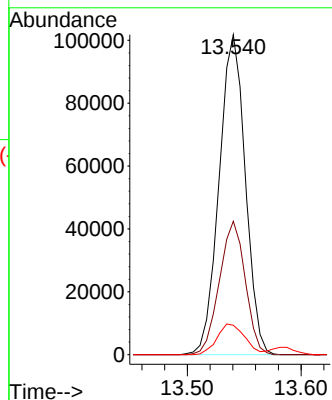
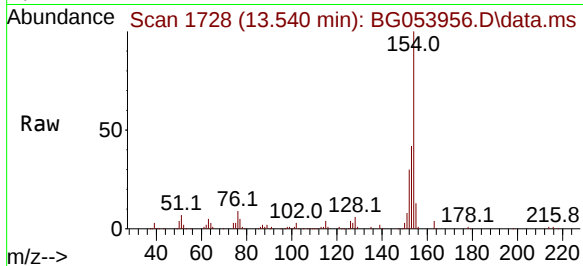




#43
1,1'-Biphenyl
Concen: 35.438 ng/ul
RT: 13.540 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

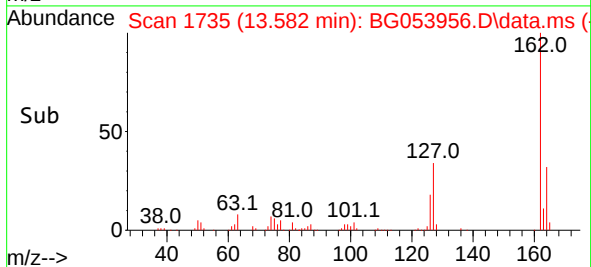
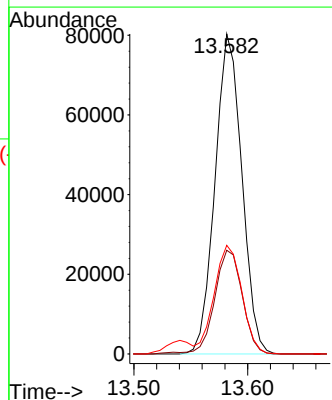
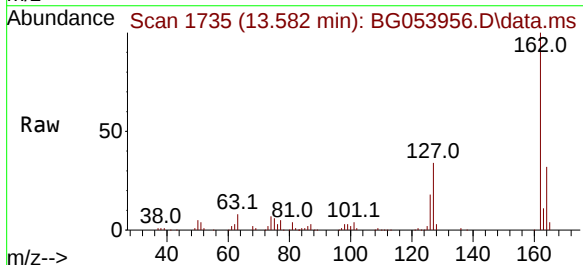
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

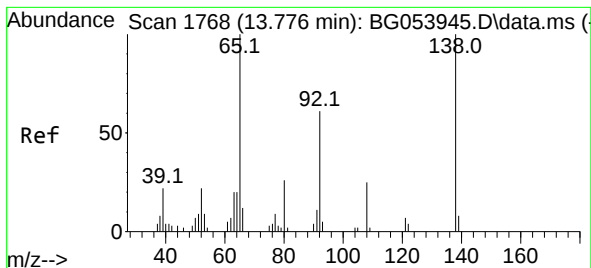
Tgt Ion:154 Resp: 162987
Ion Ratio Lower Upper
154 100
153 41.7 32.7 49.1
76 9.2 9.0 13.6



#44
2-Chloronaphthalene
Concen: 34.429 ng/ul
RT: 13.582 min Scan# 1735
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:162 Resp: 131499
Ion Ratio Lower Upper
162 100
164 32.4 25.7 38.5
127 34.0 28.3 42.5





#45

2-Nitroaniline

Concen: 42.596 ng/ul

RT: 13.775 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

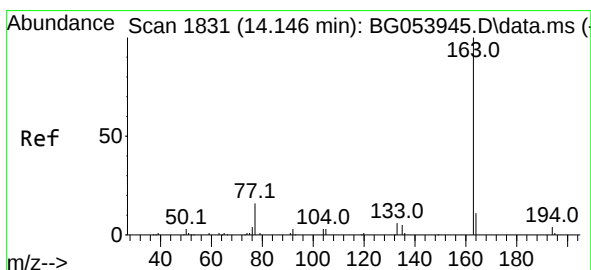
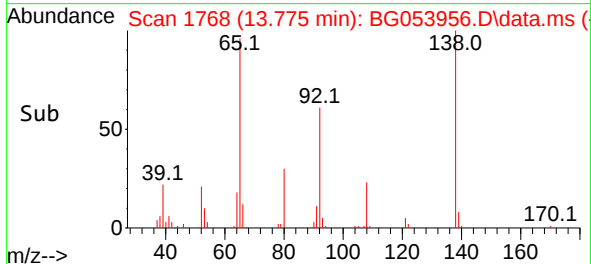
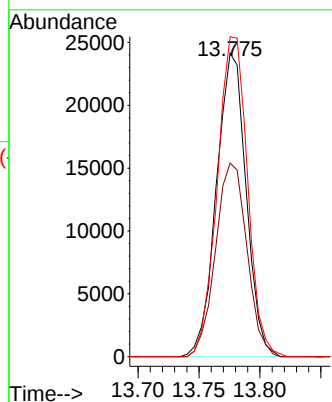
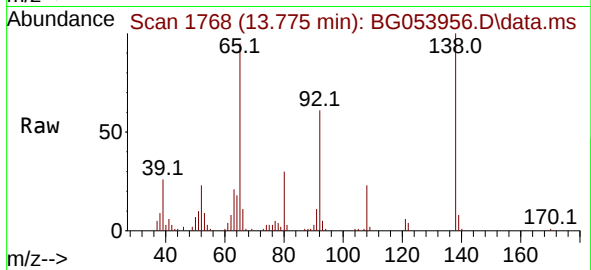
Tgt Ion: 65 Resp: 40929

Ion Ratio Lower Upper

65 100

92 63.8 52.2 78.4

138 105.4 79.0 118.4



#47

Dimethylphthalate

Concen: 39.812 ng/ul

RT: 14.151 min Scan# 1832

Delta R.T. 0.005 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

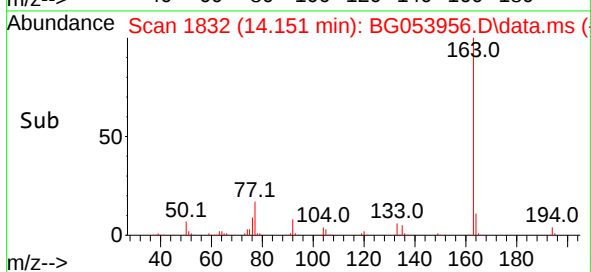
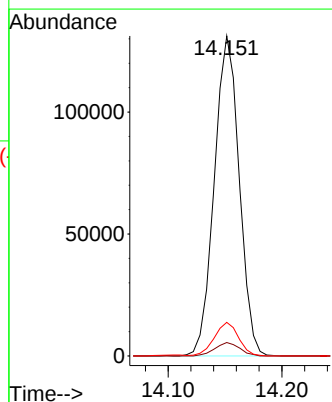
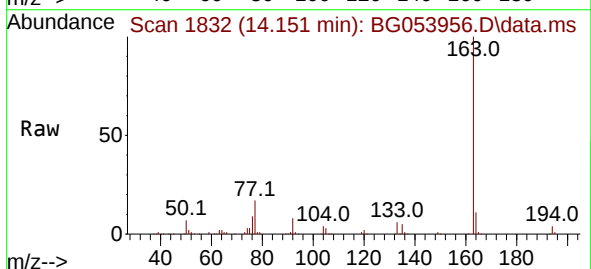
Tgt Ion:163 Resp: 199756

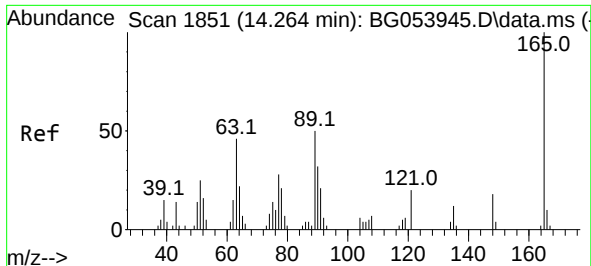
Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

164 10.5 7.9 11.9

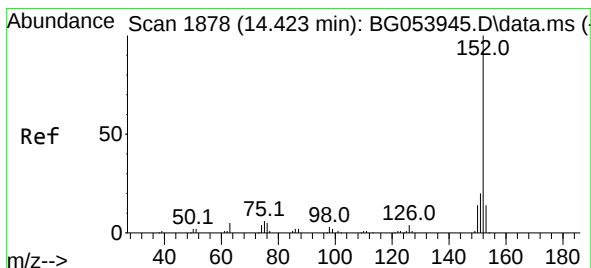
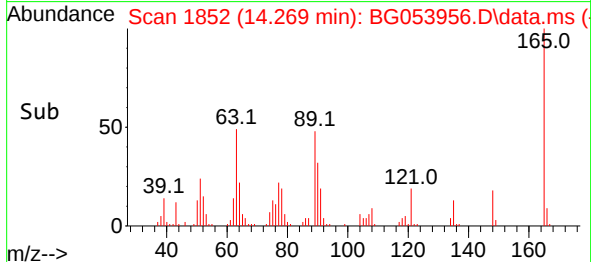
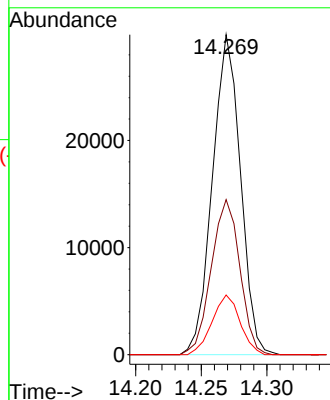
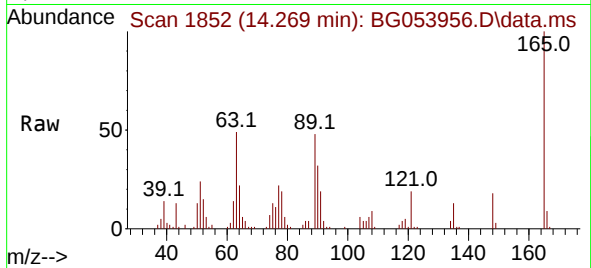




#48
2,6-Dinitrotoluene
Concen: 43.972 ng/ul
RT: 14.269 min Scan# 1852
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

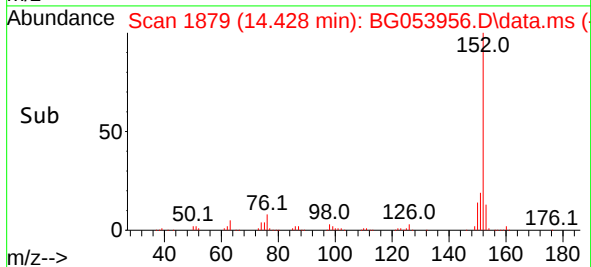
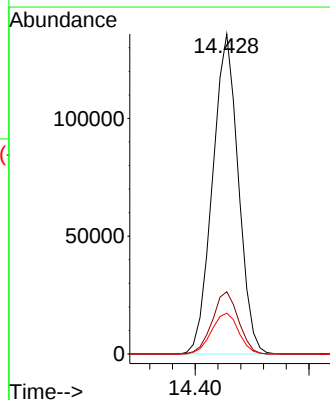
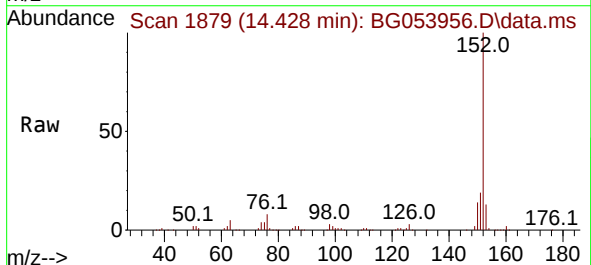
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

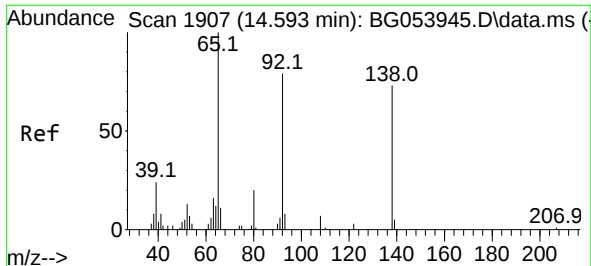
Tgt Ion:165 Resp: 44372
Ion Ratio Lower Upper
165 100
89 48.5 44.7 67.1
121 18.7 16.9 25.3



#50
Acenaphthylene
Concen: 36.670 ng/ul
RT: 14.428 min Scan# 1879
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:152 Resp: 213738
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 12.8 10.5 15.7

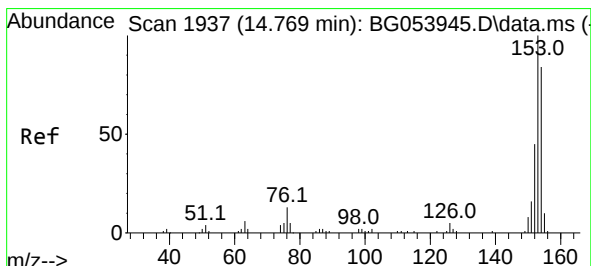
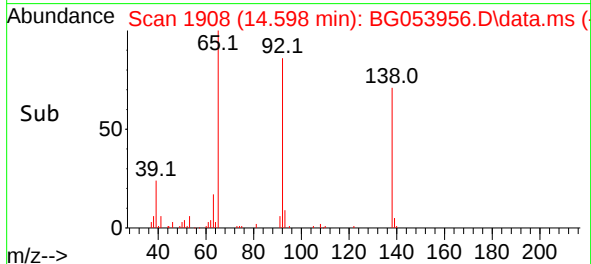
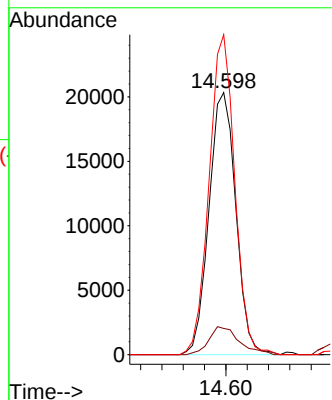
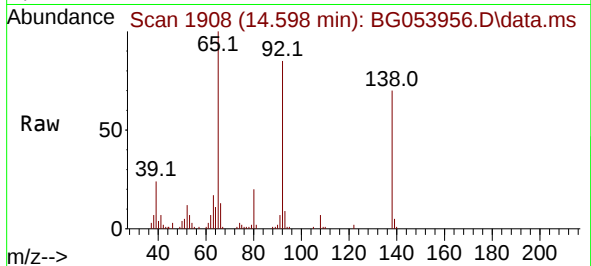




#51
3-Nitroaniline
Concen: 43.379 ng/ul
RT: 14.598 min Scan# 1907
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

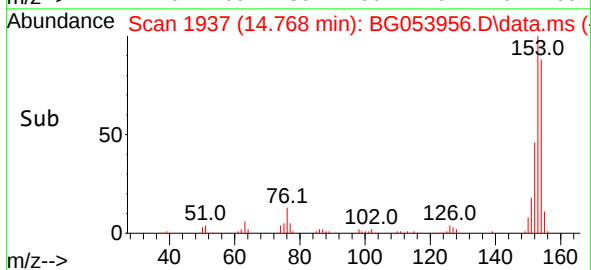
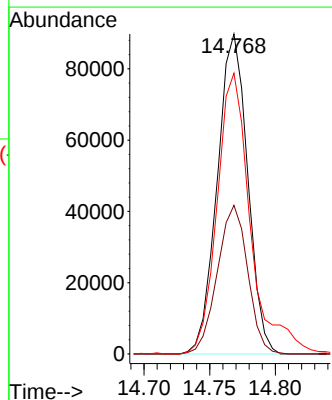
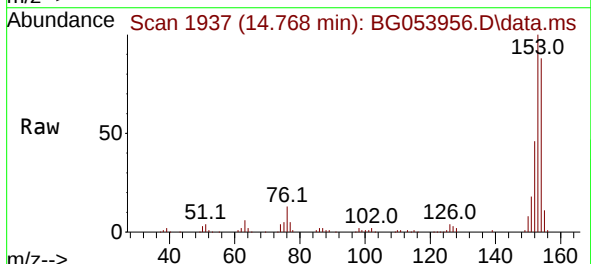
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

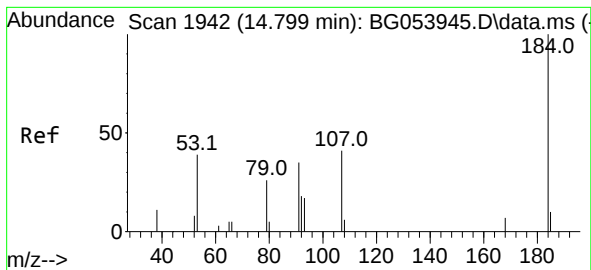
Tgt Ion:138 Resp: 35535
Ion Ratio Lower Upper
138 100
108 10.0 17.8 26.6#
92 122.1 94.2 141.4



#52
Acenaphthene
Concen: 37.103 ng/ul
RT: 14.768 min Scan# 1937
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:153 Resp: 144413
Ion Ratio Lower Upper
153 100
152 46.5 37.5 56.3
154 87.8 68.8 103.2

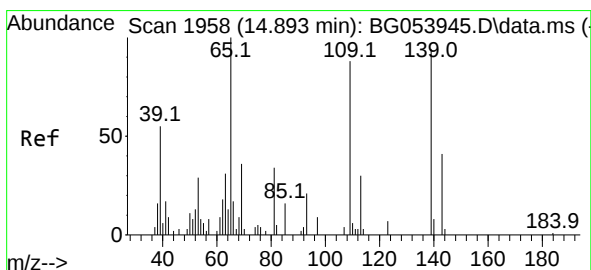
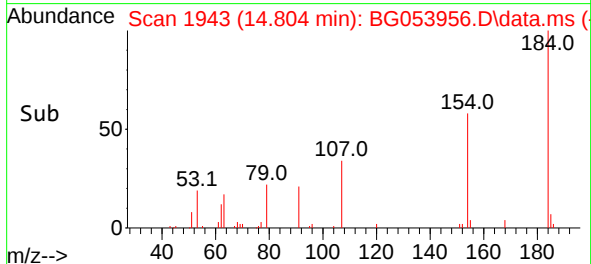
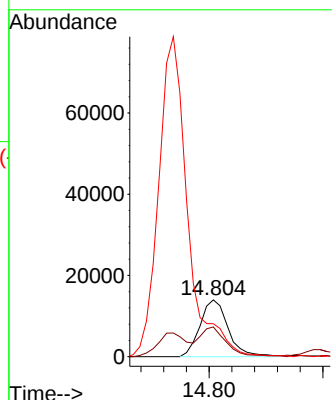
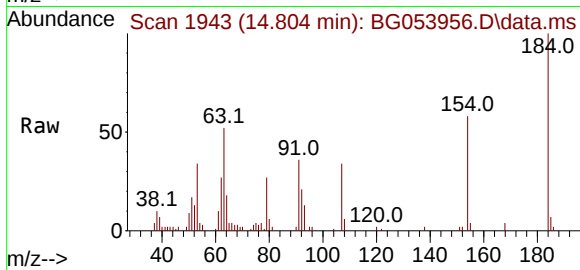




#53
2,4-Dinitrophenol
Concen: 51.386 ng/ul
RT: 14.804 min Scan# 1943
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

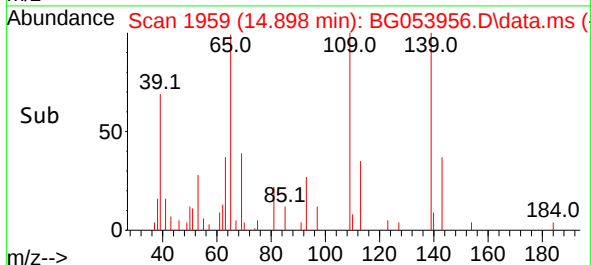
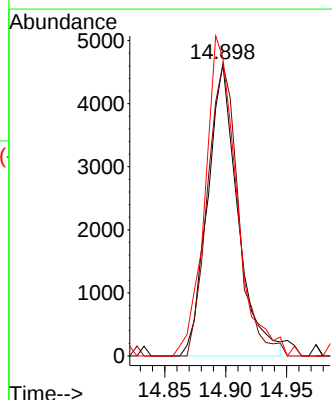
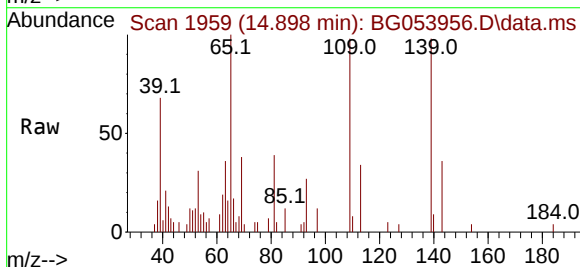
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

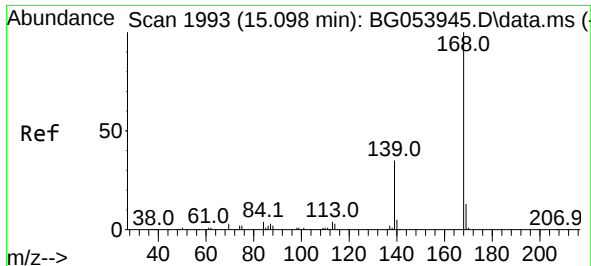
Tgt Ion:184 Resp: 24022
Ion Ratio Lower Upper
184 100
63 52.3 34.7 52.1#
154 58.0 87.3 130.9#



#55
4-Nitrophenol
Concen: 11.417 ng/ul
RT: 14.898 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:109 Resp: 8000
Ion Ratio Lower Upper
109 100
139 100.0 92.9 139.3
65 102.0 97.8 146.6

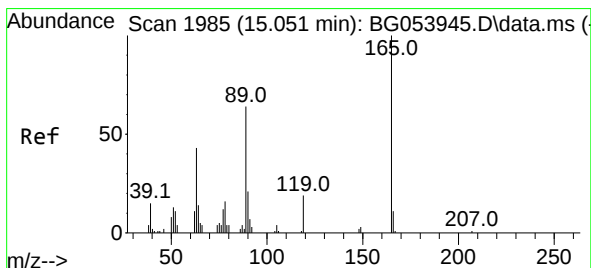
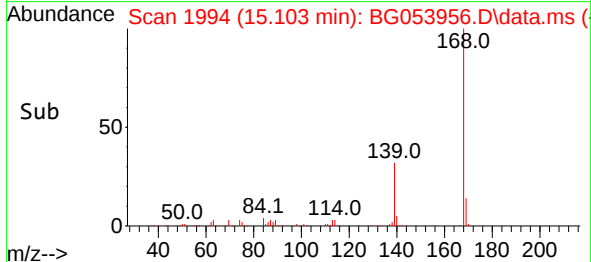
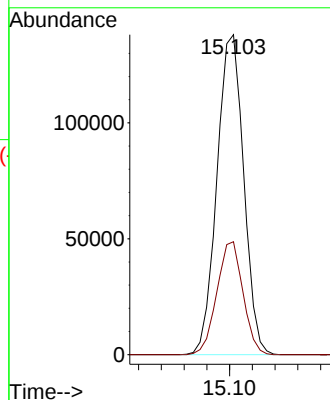
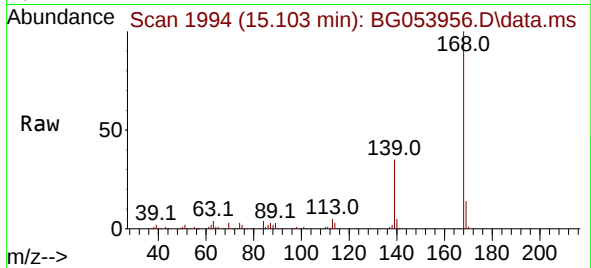




#56
Dibenzofuran
Concen: 37.843 ng/ul
RT: 15.103 min Scan# 1994
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

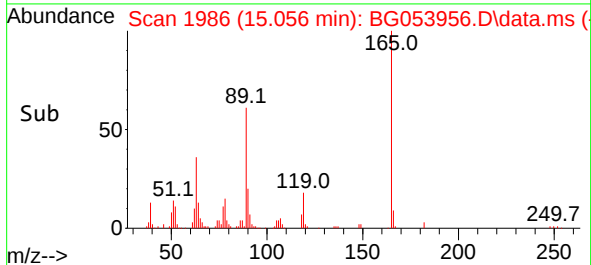
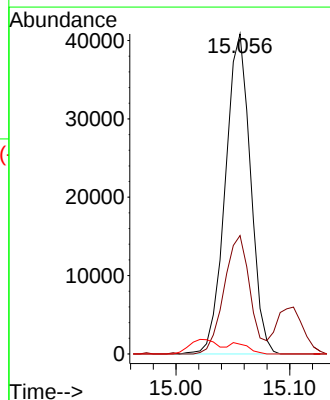
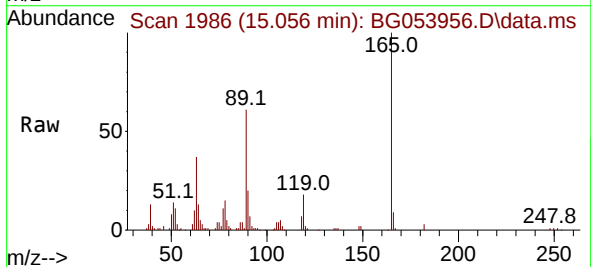
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

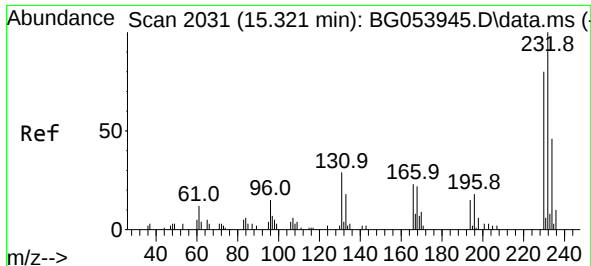
Tgt Ion:168 Resp: 225370
Ion Ratio Lower Upper
168 100
139 35.3 28.2 42.2



#57
2,4-Dinitrotoluene
Concen: 42.873 ng/ul
RT: 15.056 min Scan# 1986
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:165 Resp: 62757
Ion Ratio Lower Upper
165 100
63 37.0 33.0 49.4
182 3.0 2.8 4.2

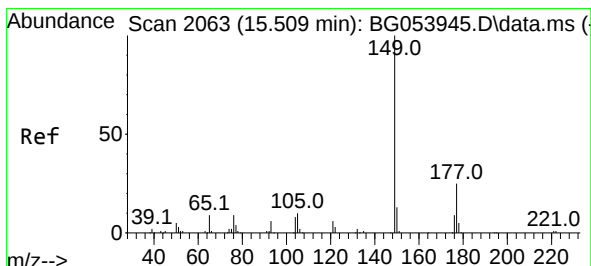
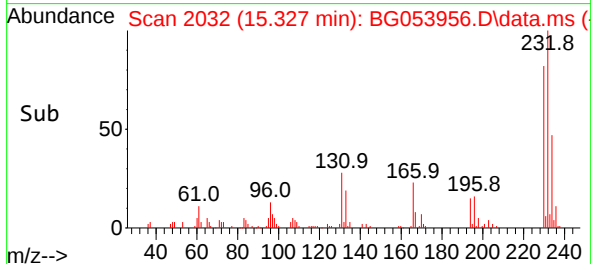
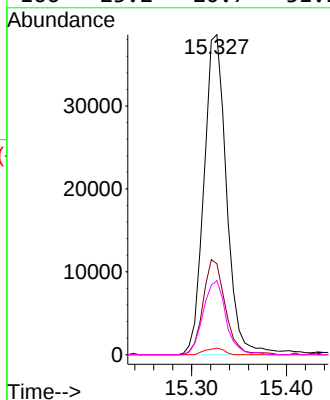
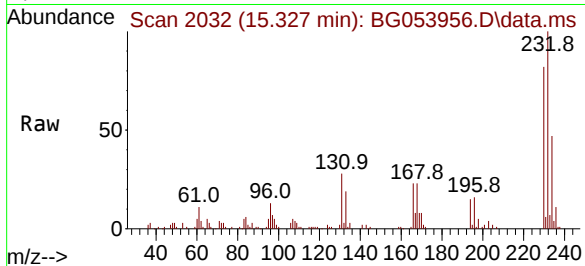




#58
2,3,4,6-Tetrachlorophenol
Concen: 46.374 ng/ul
RT: 15.327 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

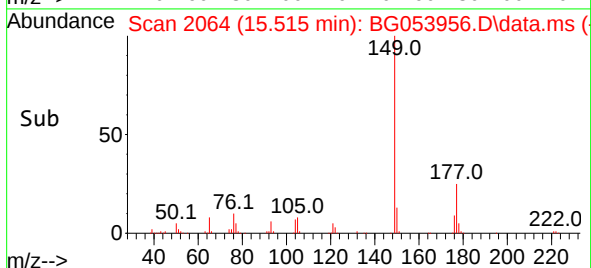
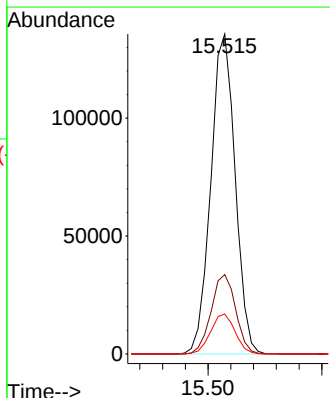
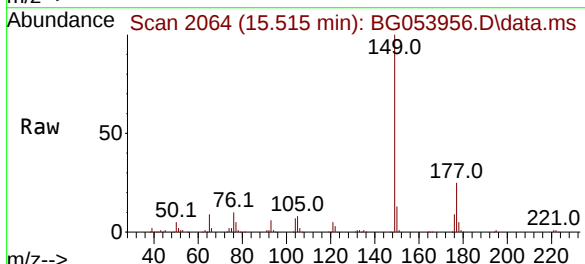
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

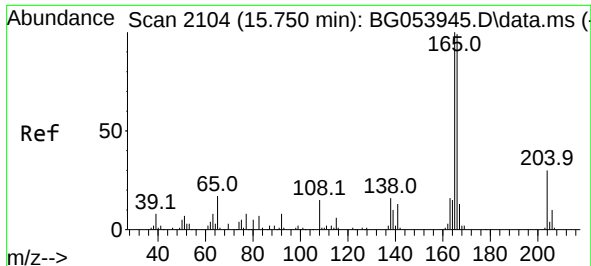
Tgt Ion:232	Resp:	63774
Ion Ratio	Lower	Upper
232	100	
131	28.4	27.5 41.3
130	2.1	1.8 2.8
166	23.2	20.7 31.1



#59
Diethylphthalate
Concen: 41.009 ng/ul
RT: 15.515 min Scan# 2064
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:149	Resp:	201752
Ion Ratio	Lower	Upper
149	100	
177	24.8	18.9 28.3
150	12.5	10.6 15.8

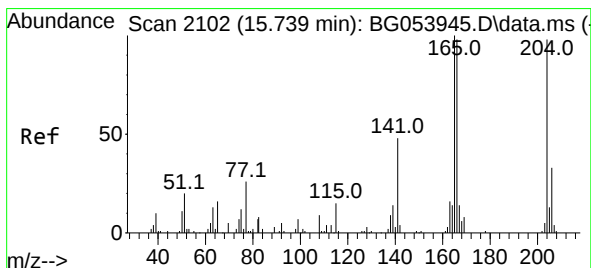
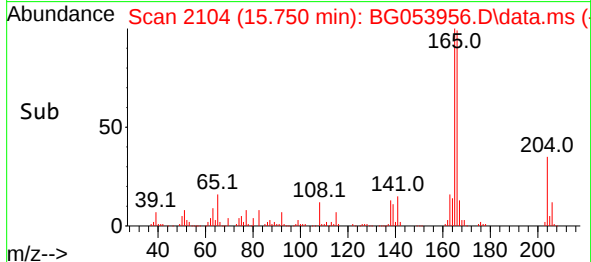
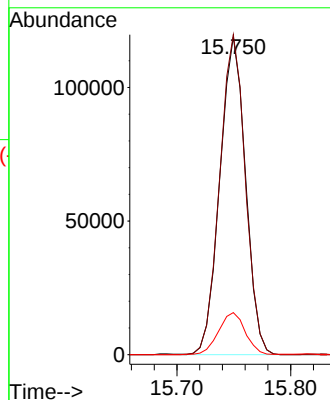
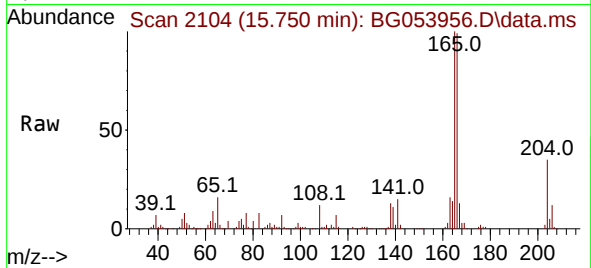




#61
 Fluorene
 Concen: 38.397 ng/ul
 RT: 15.750 min Scan# 2104
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

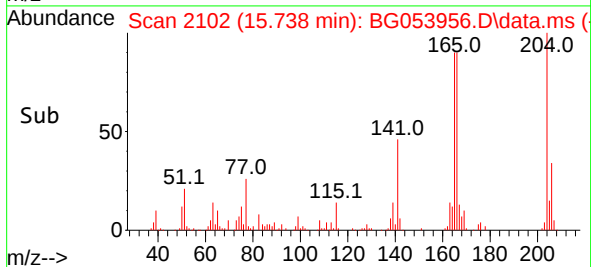
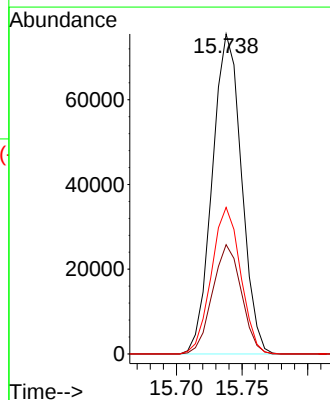
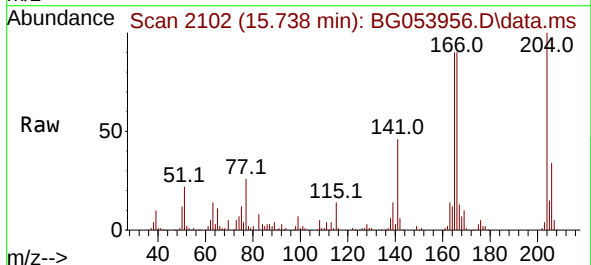
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

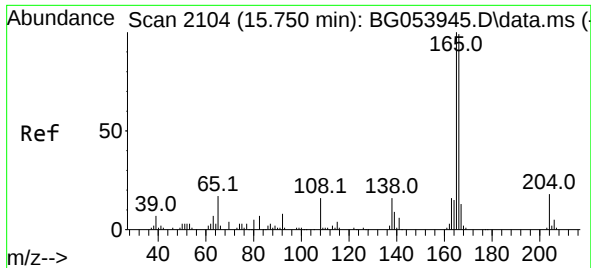
Tgt Ion:166 Resp: 186241
 Ion Ratio Lower Upper
 166 100
 165 100.7 81.7 122.5
 167 13.3 11.0 16.4



#62
 4-Chlorophenyl-phenylether
 Concen: 37.942 ng/ul
 RT: 15.738 min Scan# 2102
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:204 Resp: 117016
 Ion Ratio Lower Upper
 204 100
 206 34.2 27.1 40.7
 141 45.8 40.7 61.1

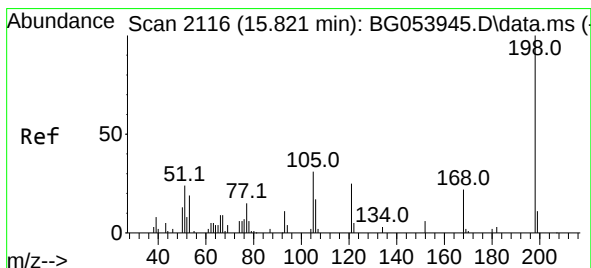
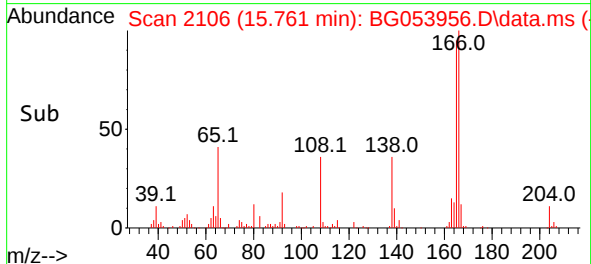
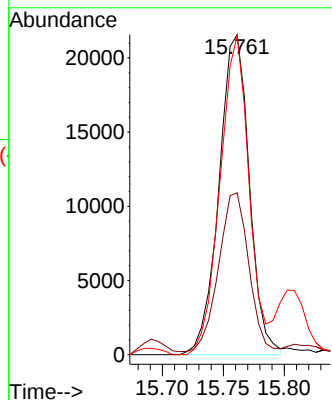
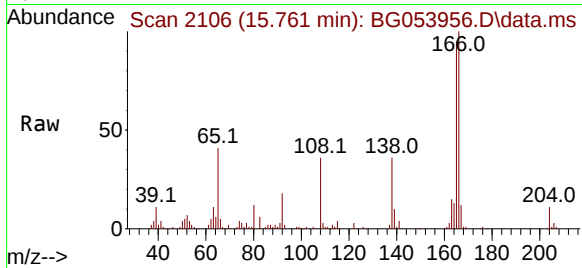




#63
4-Nitroaniline
Concen: 47.420 ng/ul
RT: 15.761 min Scan# 2106
Delta R.T. 0.011 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

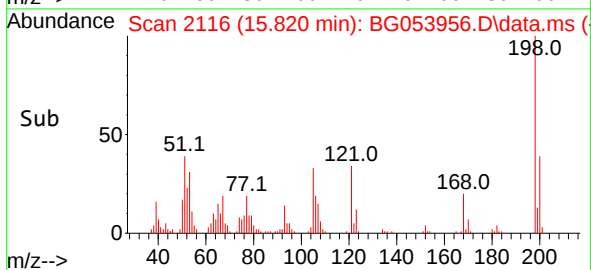
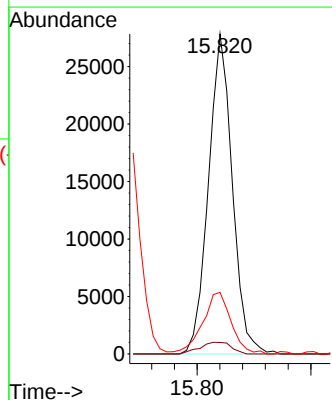
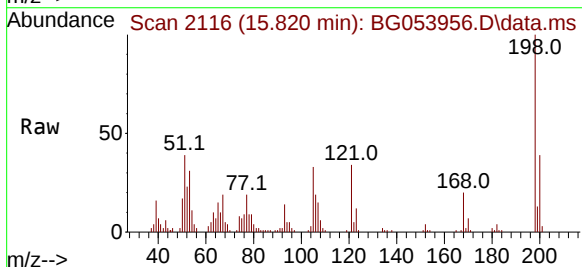
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

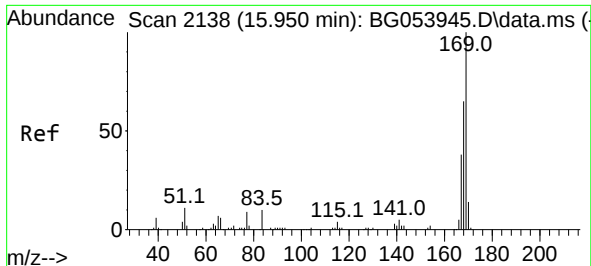
Tgt Ion:138 Resp: 37352
Ion Ratio Lower Upper
138 100
92 50.6 42.0 63.0
108 99.7 79.0 118.6



#66
4,6-Dinitro-2-methylphenol
Concen: 43.541 ng/ul
RT: 15.820 min Scan# 2116
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:198 Resp: 40545
Ion Ratio Lower Upper
198 100
182 3.6 3.4 5.0
77 19.3 14.7 22.1

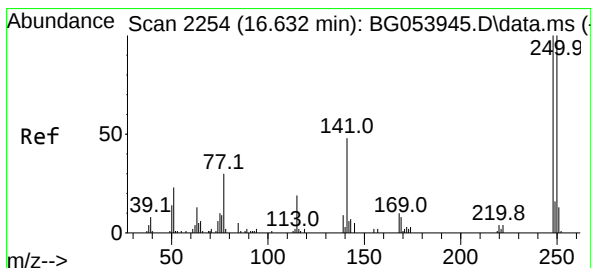
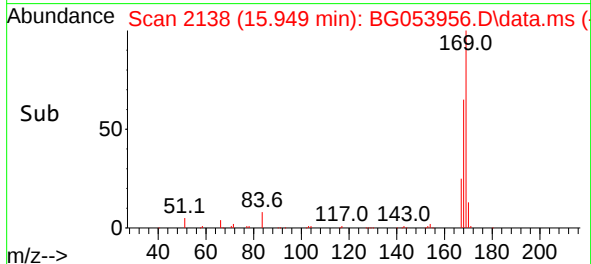
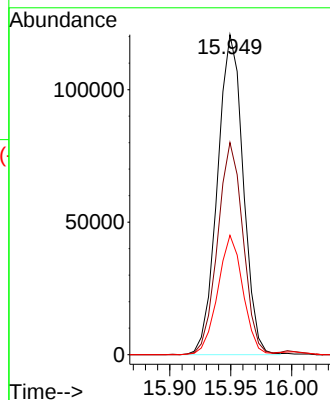
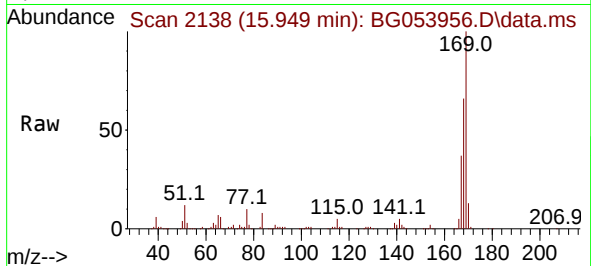




#67
N-Nitrosodiphenylamine
Concen: 40.827 ng/ul
RT: 15.949 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

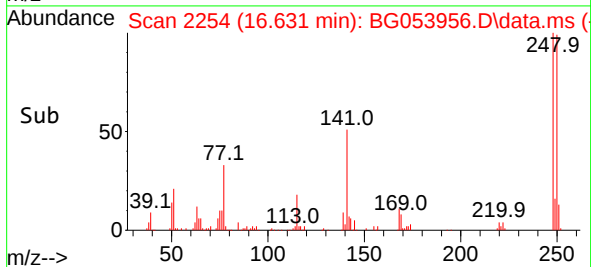
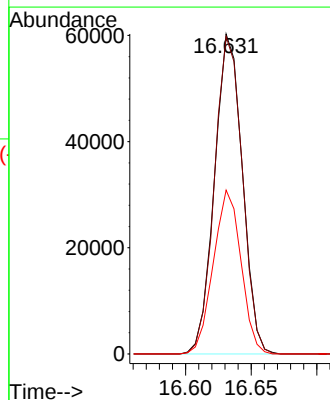
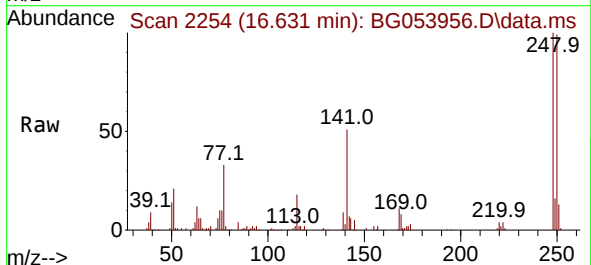
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

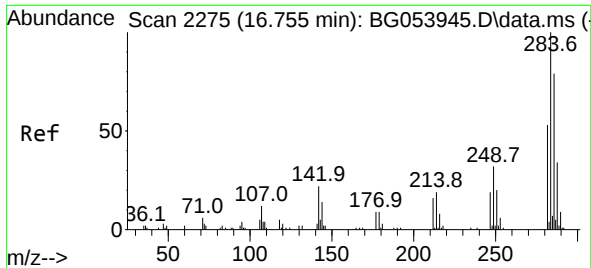
Tgt Ion:169 Resp: 177495
Ion Ratio Lower Upper
169 100
168 66.3 51.0 76.4
167 37.3 28.7 43.1



#68
4-Bromophenyl-phenylether
Concen: 40.241 ng/ul
RT: 16.631 min Scan# 2254
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:248 Resp: 88887
Ion Ratio Lower Upper
248 100
250 99.2 78.2 117.2
141 51.2 46.7 70.1

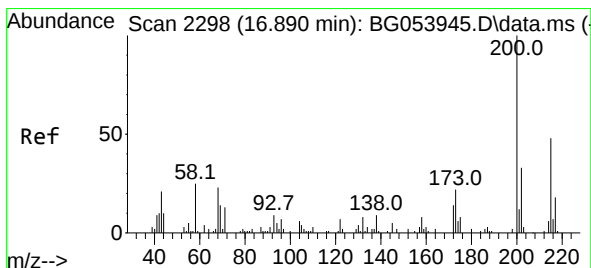
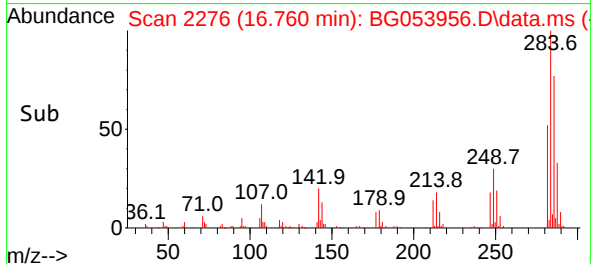
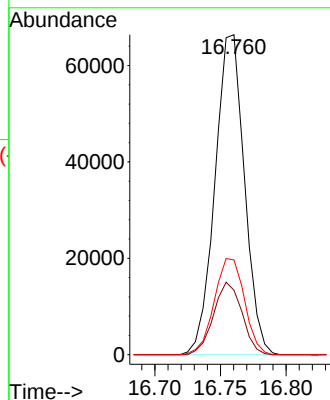
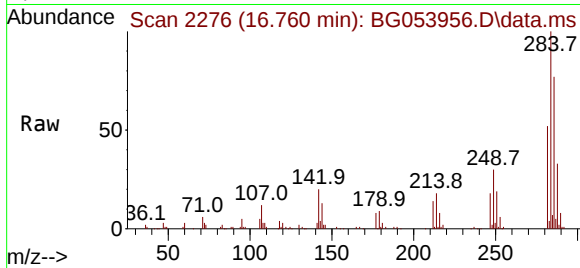




#69
Hexachlorobenzene
Concen: 40.018 ng/ul
RT: 16.760 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

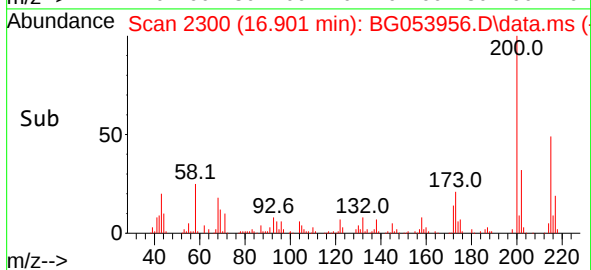
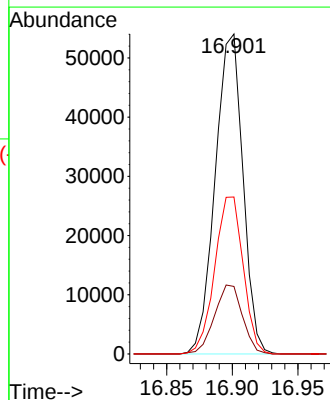
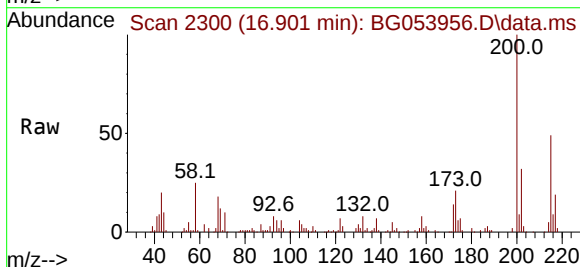
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

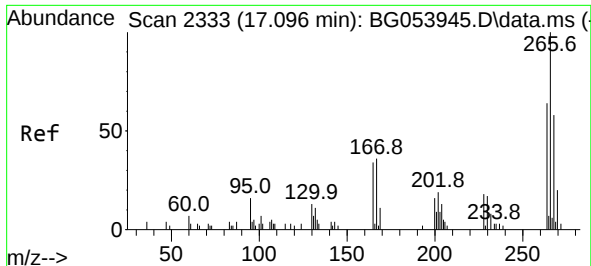
Tgt Ion:284 Resp: 103602
Ion Ratio Lower Upper
284 100
142 18.8 20.8 31.2#
249 30.1 27.4 41.0



#70
Atrazine
Concen: 37.173 ng/ul
RT: 16.901 min Scan# 2300
Delta R.T. 0.011 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:200 Resp: 79378
Ion Ratio Lower Upper
200 100
173 21.1 19.8 29.6
215 49.1 38.8 58.2

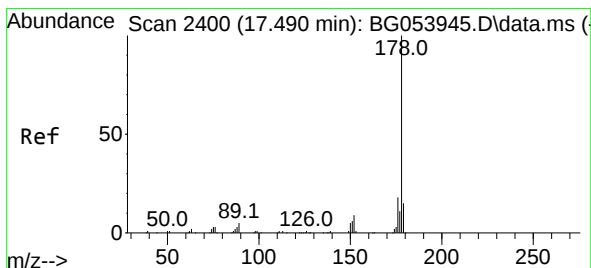
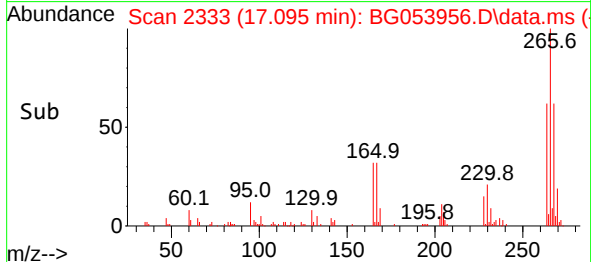
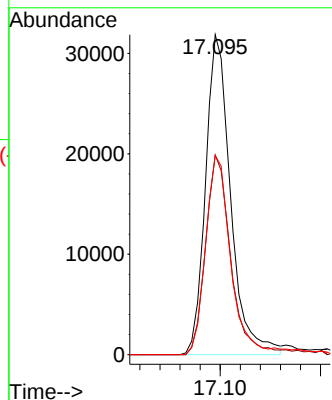
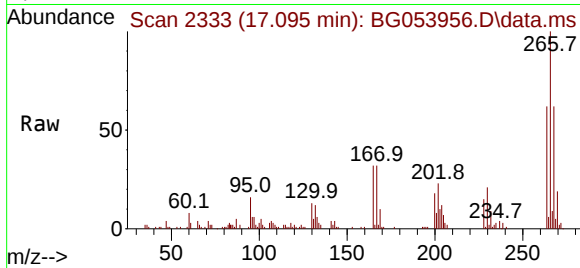




#71
 Pentachlorophenol
 Concen: 50.512 ng/ul
 RT: 17.095 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

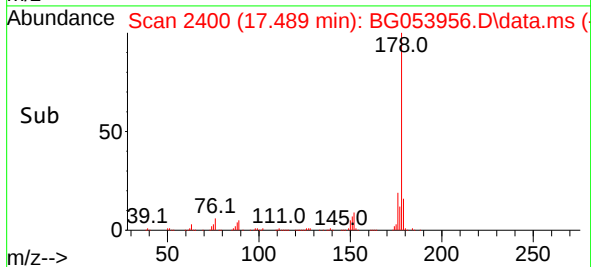
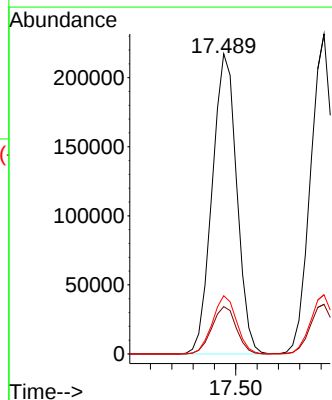
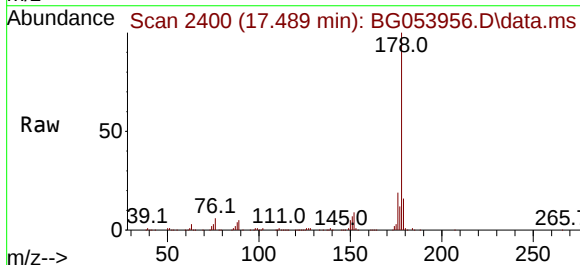
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

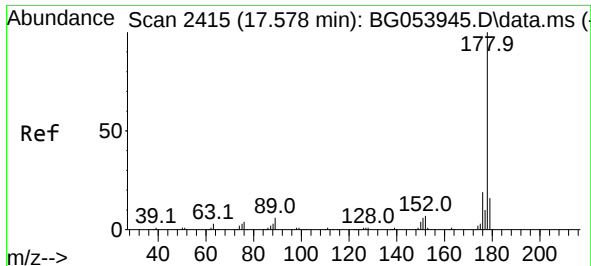
Tgt Ion:266 Resp: 55428
 Ion Ratio Lower Upper
 266 100
 264 68.1 56.8 85.2
 268 67.0 48.0 72.0



#72
 Phenanthrene
 Concen: 39.495 ng/ul
 RT: 17.489 min Scan# 2400
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:178 Resp: 347959
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 19.4 15.7 23.5

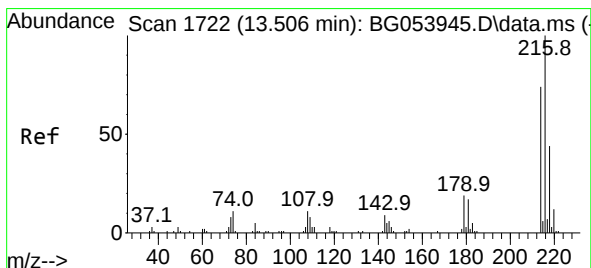
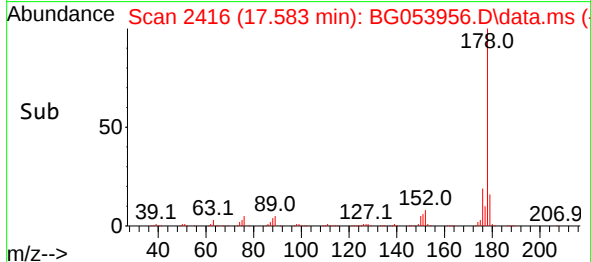
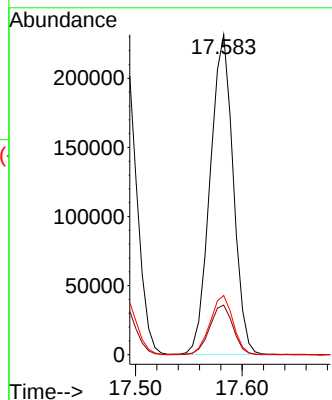
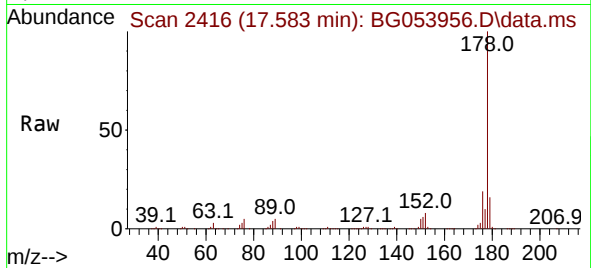




#74
 Anthracene
 Concen: 39.107 ng/uI
 RT: 17.583 min Scan# 2415
 Delta R.T. 0.005 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

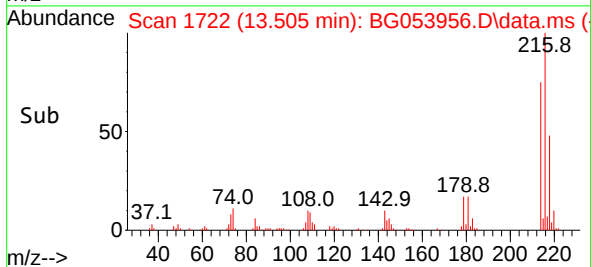
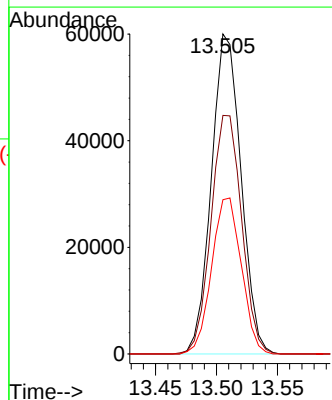
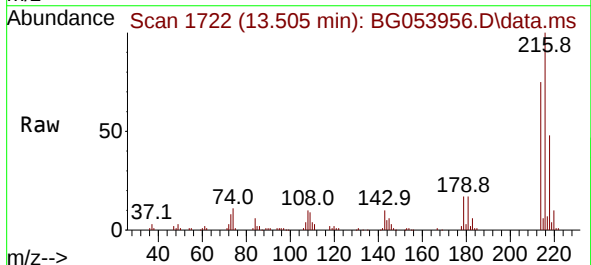
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

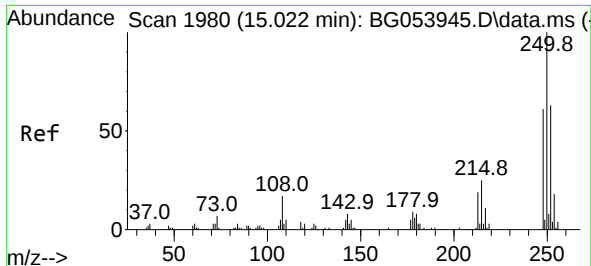
Tgt Ion:178 Resp: 347227
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.4 18.6
 176 18.5 14.6 22.0



#75
 1,2,3,4-Tetrachlorobenzene
 Concen: 33.613 ng/uI
 RT: 13.505 min Scan# 1722
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:216 Resp: 101808
 Ion Ratio Lower Upper
 216 100
 214 74.6 64.2 96.4
 218 48.2 39.0 58.4

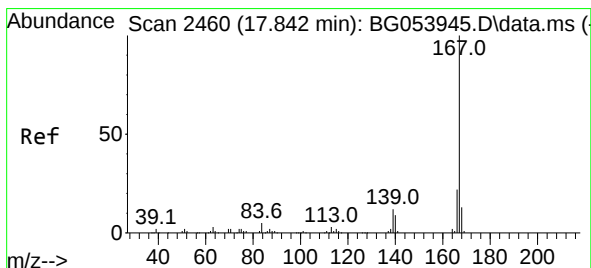
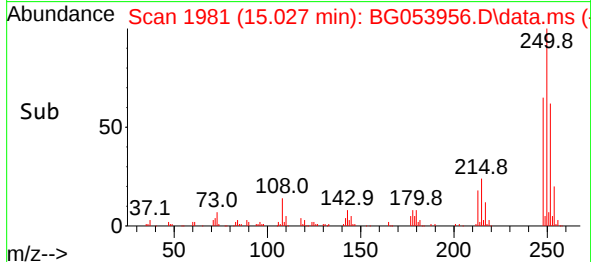
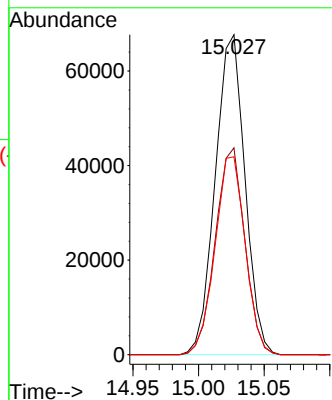
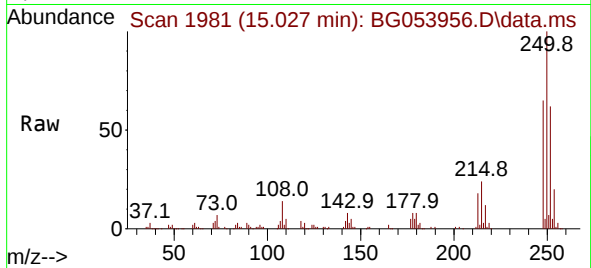




#76
 Pentachlorobenzene
 Concen: 38.288 ng/uL
 RT: 15.027 min Scan# 1980
 Delta R.T. 0.005 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

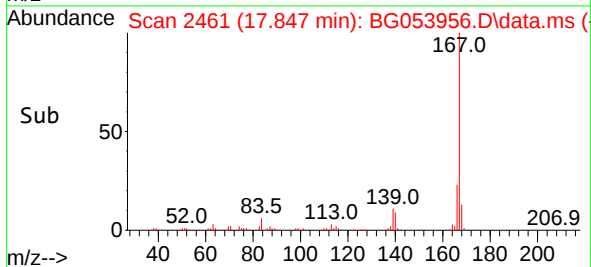
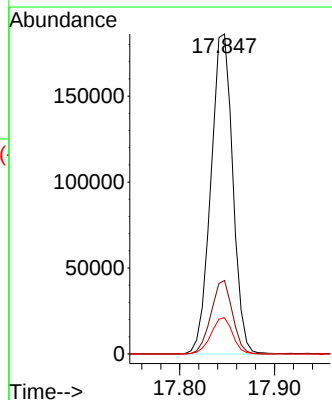
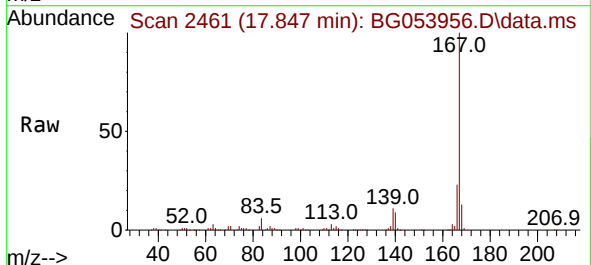
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

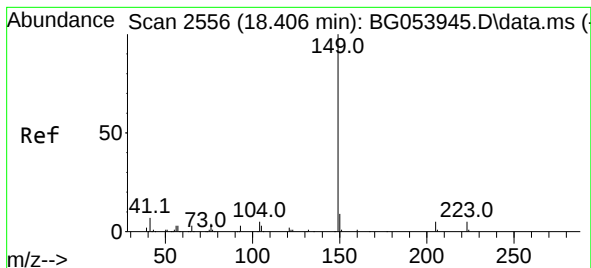
Tgt Ion:250 Resp: 106659
 Ion Ratio Lower Upper
 250 100
 248 64.7 47.7 71.5
 252 61.9 50.0 75.0



#77
 Carbazole
 Concen: 40.933 ng/uL
 RT: 17.847 min Scan# 2461
 Delta R.T. 0.005 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:167 Resp: 299653
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 11.4 9.0 13.6





#78

Di-n-butylphthalate

Concen: 41.951 ng/ul

RT: 18.405 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

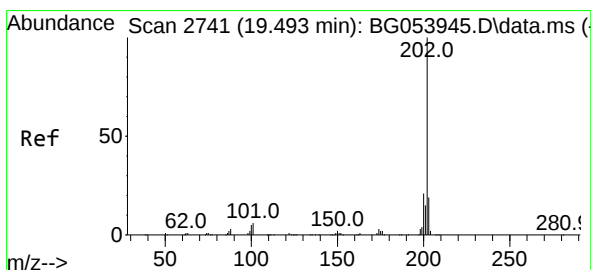
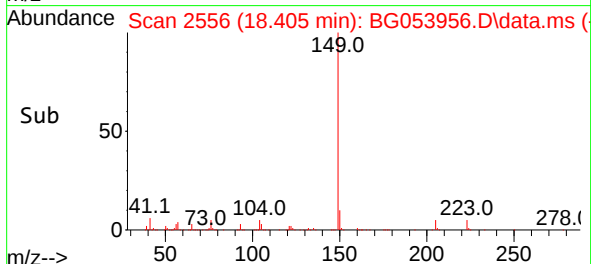
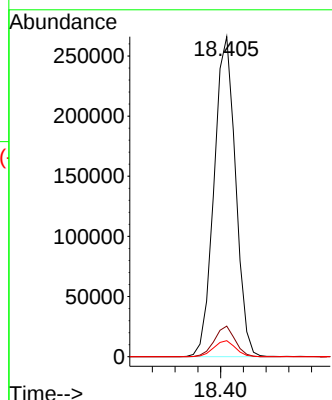
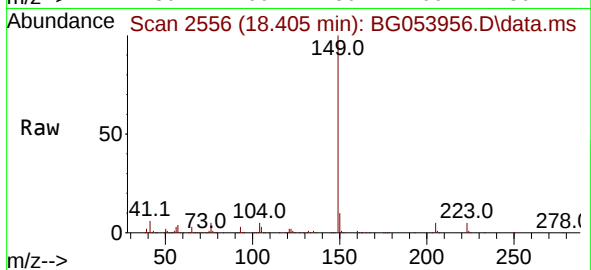
Tgt Ion:149 Resp: 349644

Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

104 5.0 4.2 6.2



#80

Fluoranthene

Concen: 40.867 ng/ul

RT: 19.498 min Scan# 2742

Delta R.T. 0.005 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

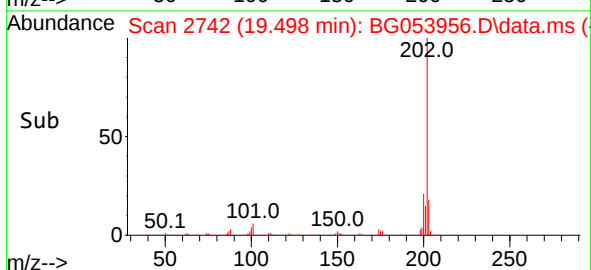
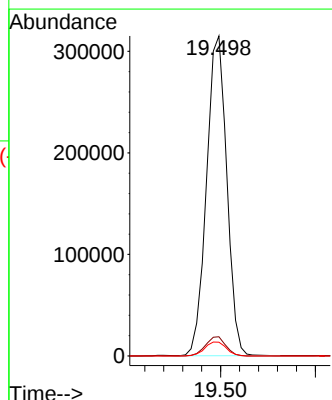
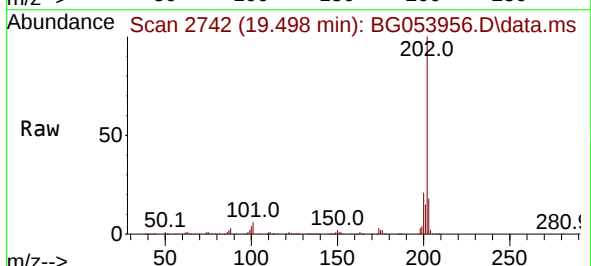
Tgt Ion:202 Resp: 467379

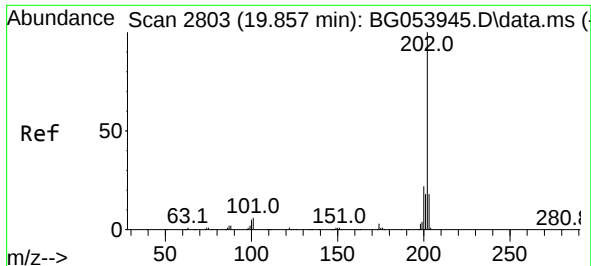
Ion Ratio Lower Upper

202 100

101 6.0 6.6 9.8#

100 4.3 5.8 8.8#

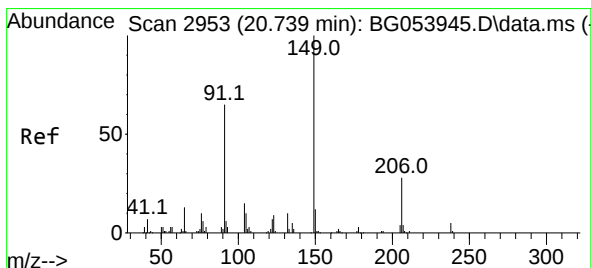
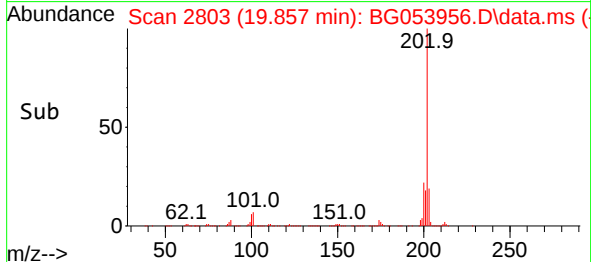
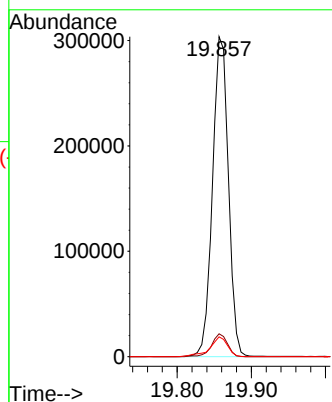
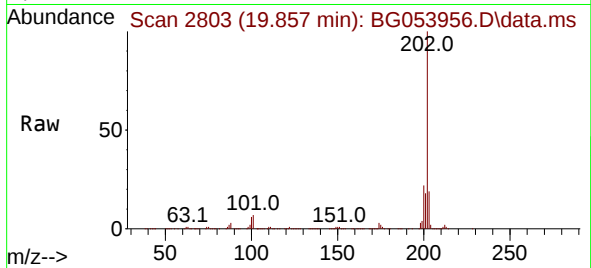




#82
 Pyrene
 Concen: 39.770 ng/ul
 RT: 19.857 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

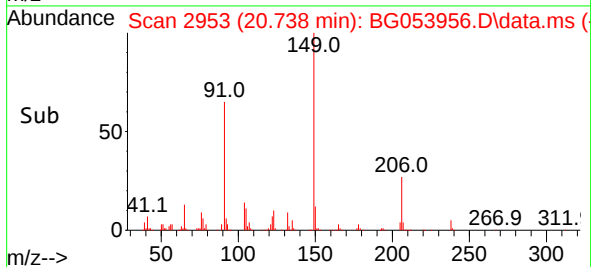
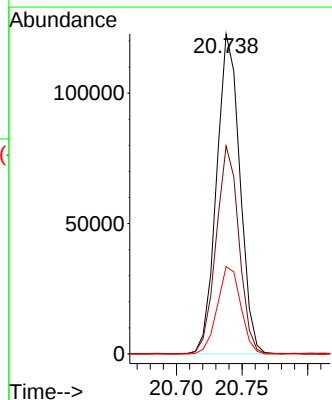
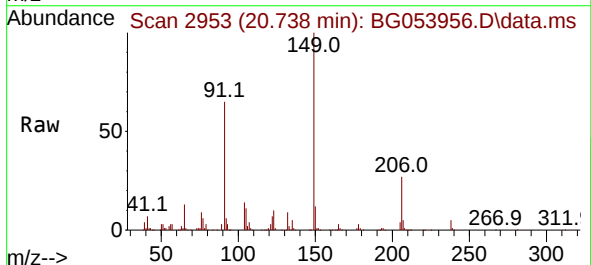
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

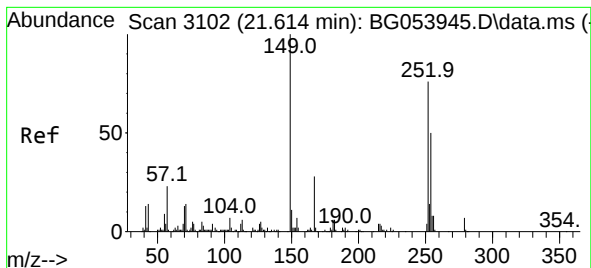
Tgt Ion:202 Resp: 452206
 Ion Ratio Lower Upper
 202 100
 101 7.1 7.3 10.9#
 100 6.2 6.2 9.4#



#83
 Butylbenzylphthalate
 Concen: 44.143 ng/ul
 RT: 20.738 min Scan# 2953
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:149 Resp: 151263
 Ion Ratio Lower Upper
 149 100
 91 65.0 54.0 81.0
 206 27.3 19.5 29.3





#84

3,3'-Dichlorobenzidine

Concen: 17.098 ng/ul

RT: 21.613 min Scan# 3102

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

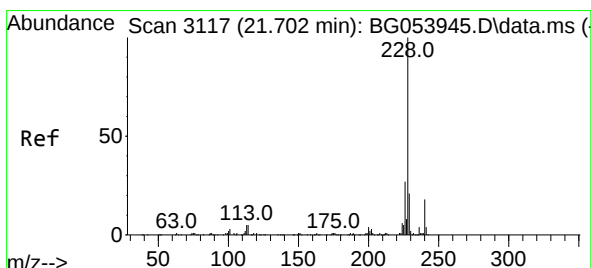
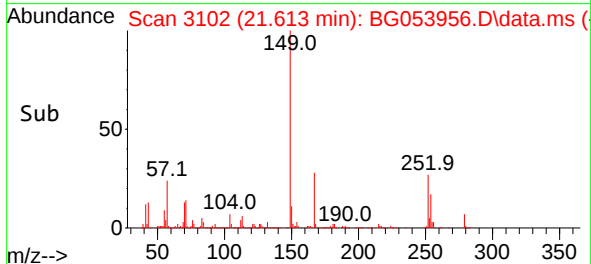
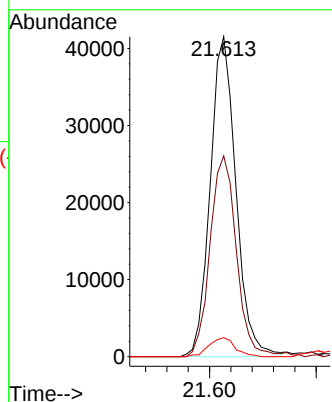
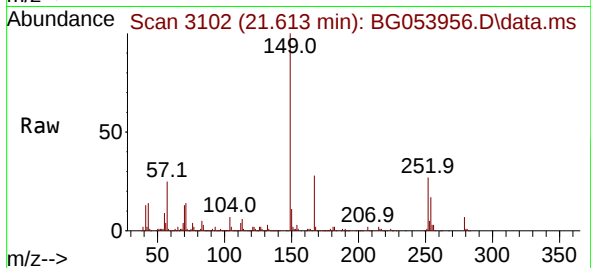
Tgt Ion:252 Resp: 69524

Ion Ratio Lower Upper

252 100

254 62.7 49.6 74.4

126 5.9 6.0 9.0#



#85

Benzo(a)anthracene

Concen: 40.733 ng/ul

RT: 21.701 min Scan# 3117

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

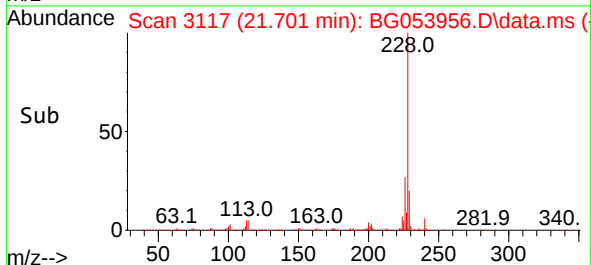
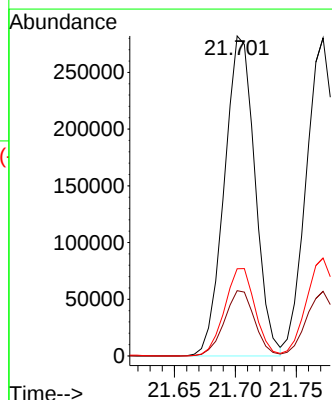
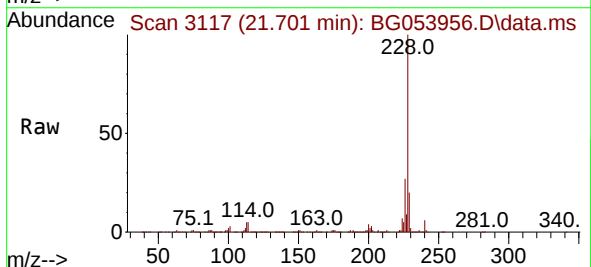
Tgt Ion:228 Resp: 493321

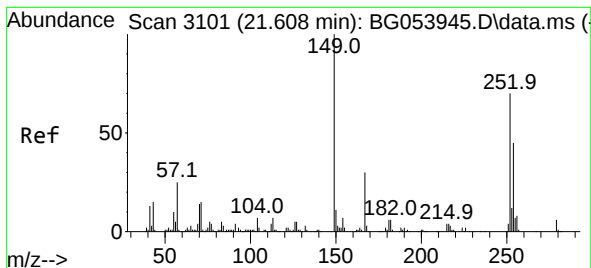
Ion Ratio Lower Upper

228 100

229 20.4 16.5 24.7

226 27.3 22.1 33.1

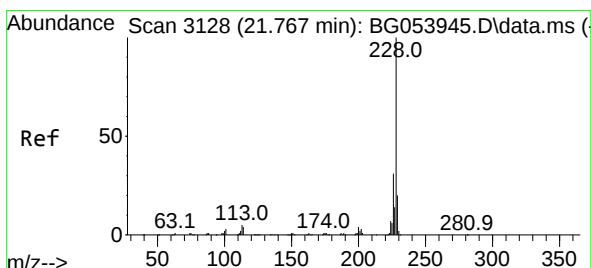
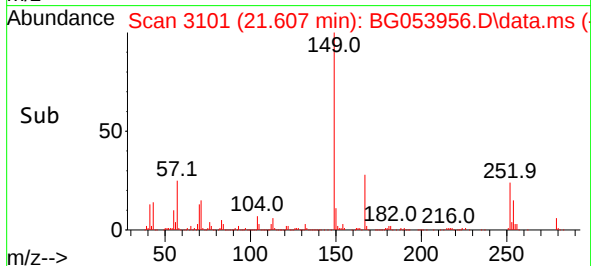
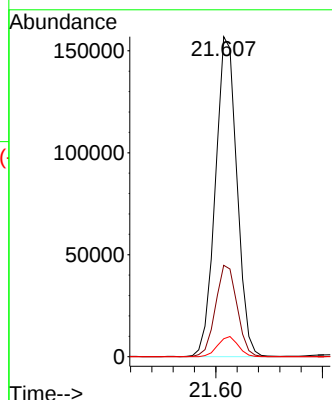
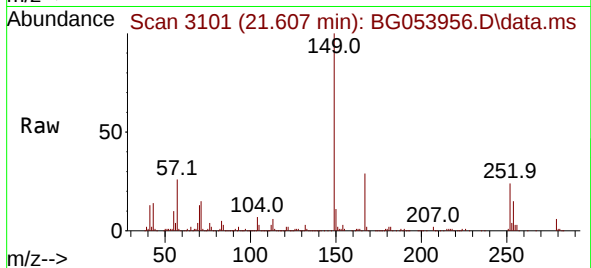




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 43.948 ng/ul
 RT: 21.607 min Scan# 3101
 Delta R.T. -0.001 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

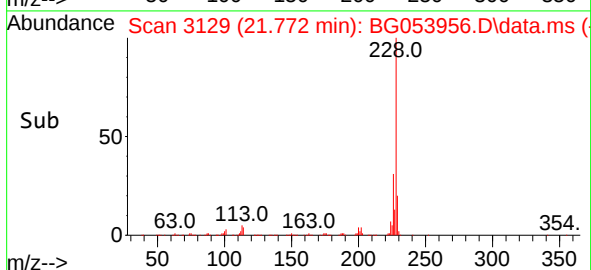
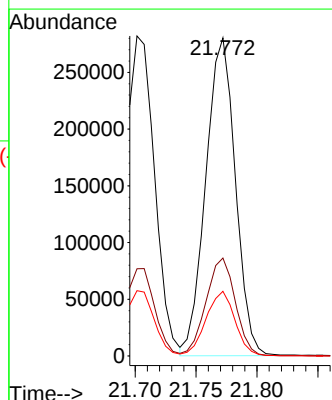
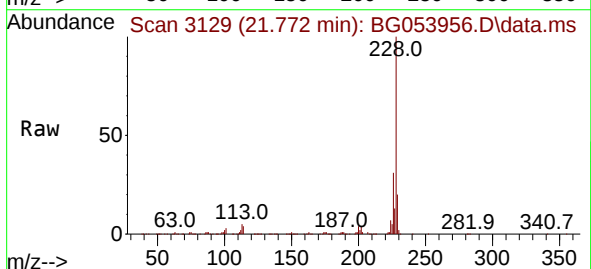
Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

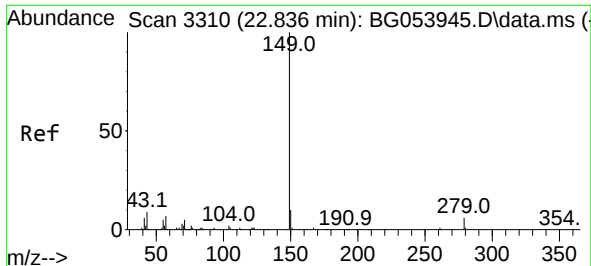
Tgt Ion:149 Resp: 220054
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.7 32.5
 279 5.6 3.9 5.9



#87
 Chrysene
 Concen: 40.776 ng/ul
 RT: 21.772 min Scan# 3129
 Delta R.T. 0.005 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:228 Resp: 473778
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.2 36.4
 229 20.3 16.3 24.5

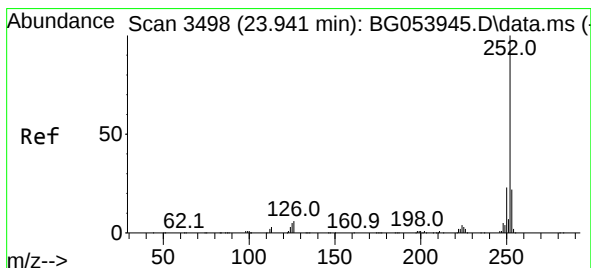
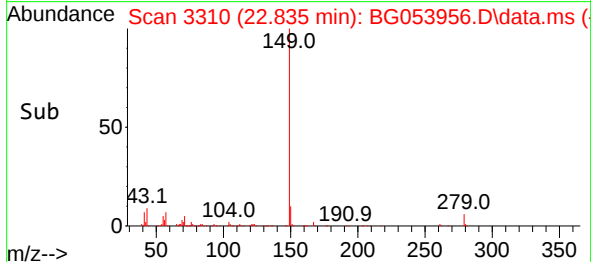
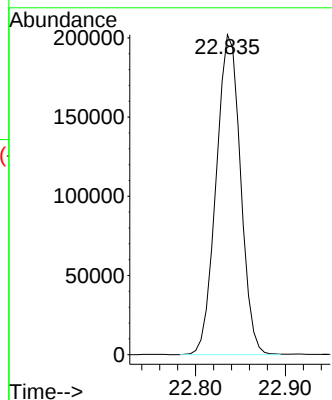
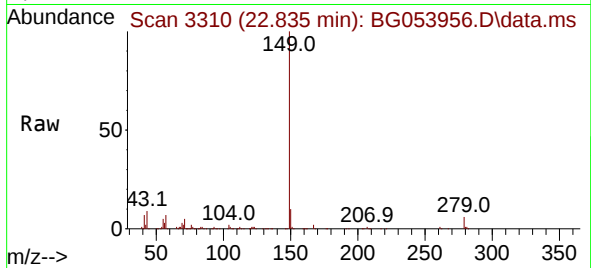




#89
Di-n-octyl phthalate
Concen: 42.603 ng/ul
RT: 22.835 min Scan# 310
Delta R.T. -0.001 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

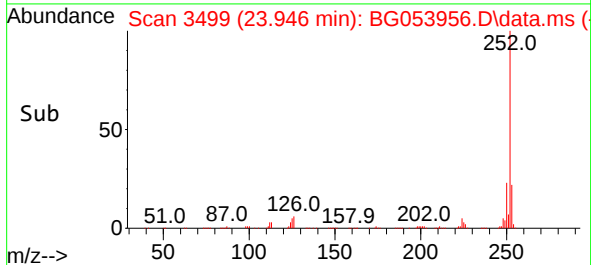
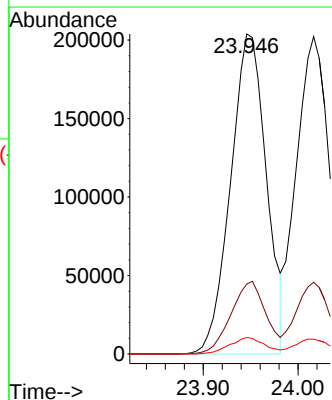
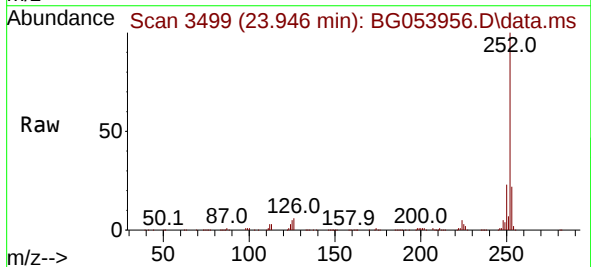
Instrument :
BNA_G
ClientSampleId :
EW4R7MS

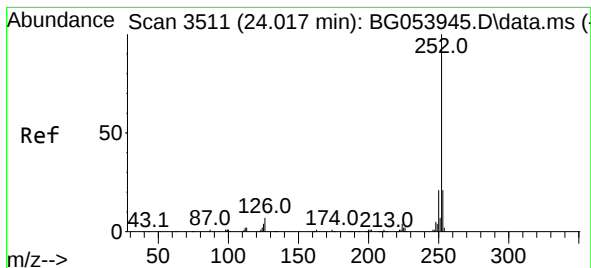
Tgt Ion:149 Resp: 381074



#90
Benzo(b)fluoranthene
Concen: 41.535 ng/ul
RT: 23.946 min Scan# 3499
Delta R.T. 0.005 min
Lab File: BG053956.D
Acq: 20 Jun 2022 19:57

Tgt Ion:252 Resp: 534172
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.4
125 5.2 6.1 9.1#





#91

Benzo(k)fluoranthene

Concen: 40.559 ng/u1

RT: 24.016 min Scan# 3

Delta R.T. -0.001 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS

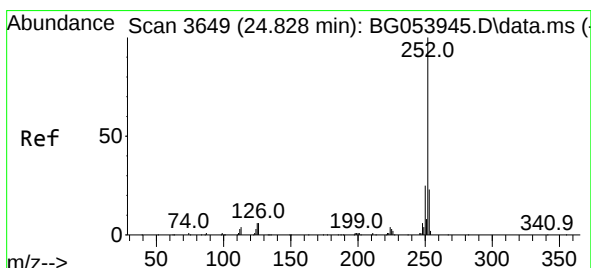
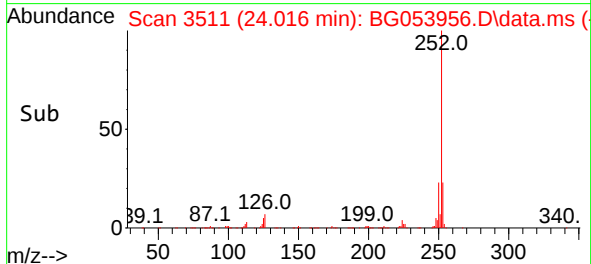
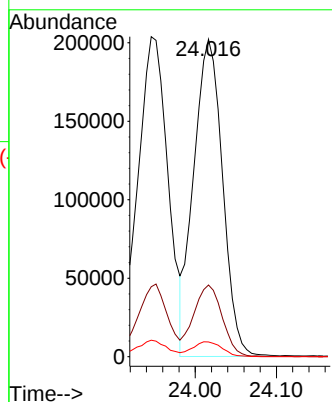
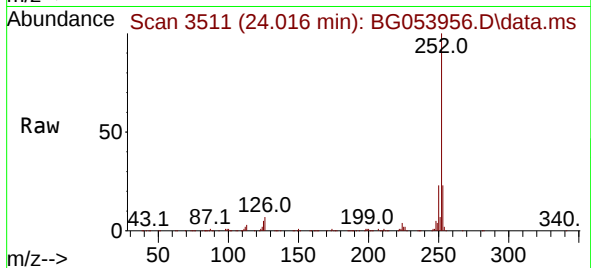
Tgt Ion:252 Resp: 499457

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 4.7 5.4 8.0#



#93

Benzo(a)pyrene

Concen: 40.880 ng/u1

RT: 24.833 min Scan# 3650

Delta R.T. 0.005 min

Lab File: BG053956.D

Acq: 20 Jun 2022 19:57

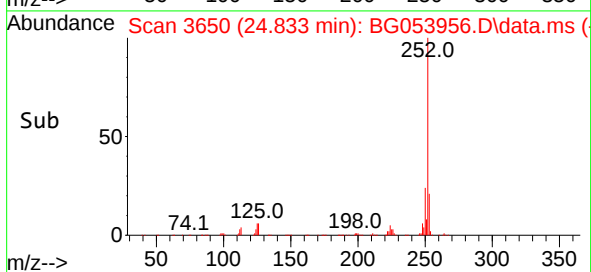
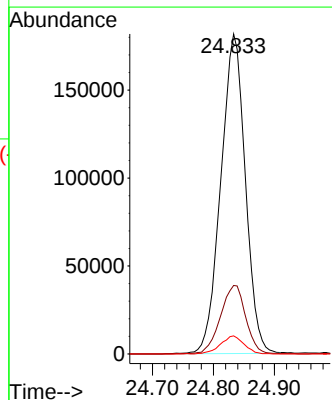
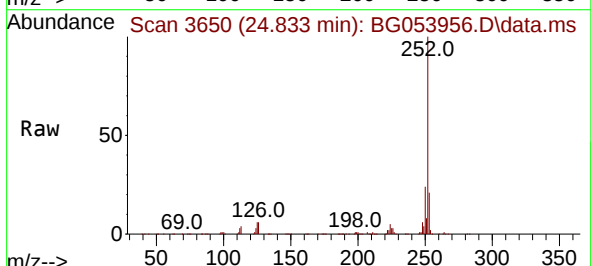
Tgt Ion:252 Resp: 506446

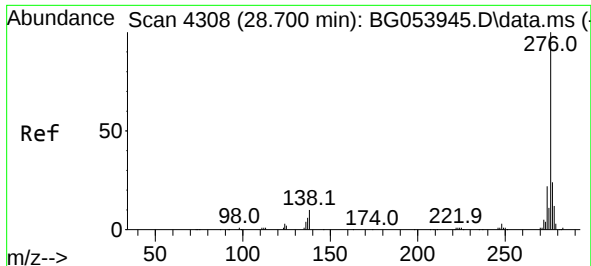
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

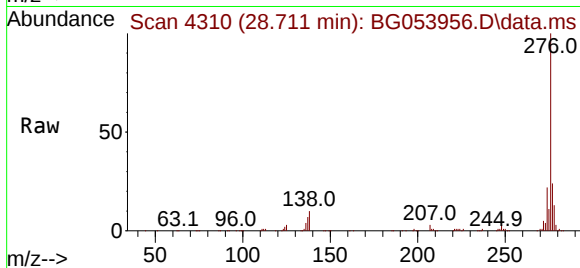
125 5.7 6.8 10.2#



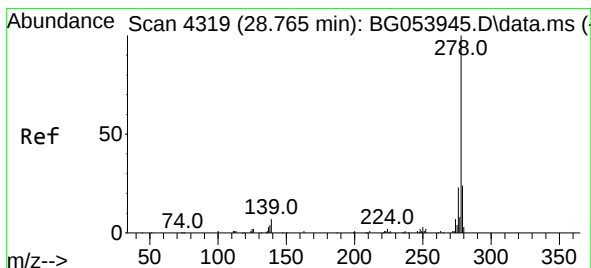
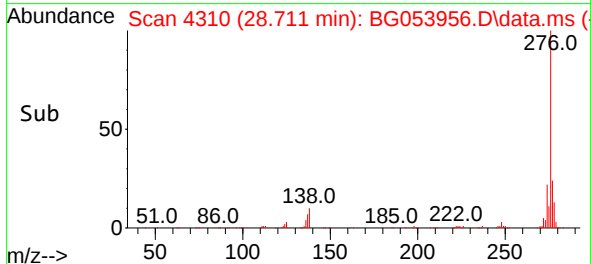
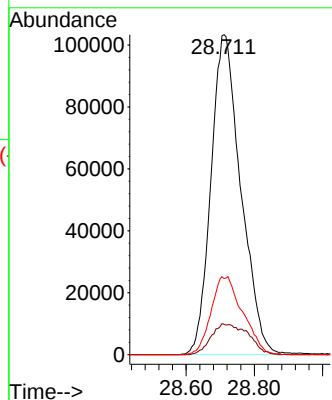


#94
 Indeno(1,2,3-cd)pyrene
 Concen: 42.098 ng/ul
 RT: 28.711 min Scan# 4310
 Delta R.T. 0.011 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Instrument :
 BNA_G
 ClientSampleId :
 EW4R7MS

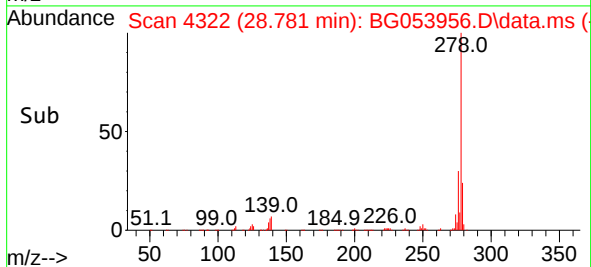
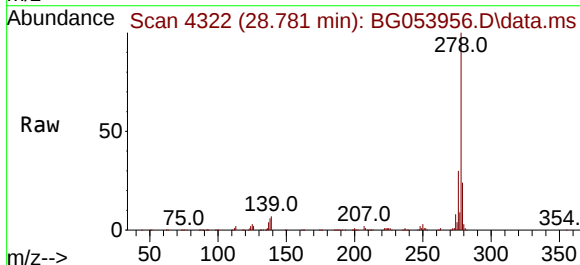
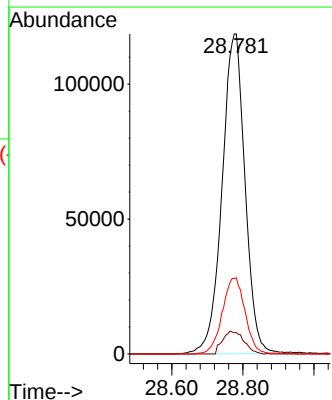


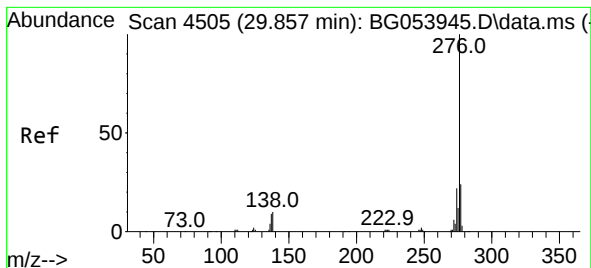
Tgt Ion:276 Resp: 627468
 Ion Ratio Lower Upper
 276 100
 138 9.5 10.1 15.1#
 277 23.8 19.9 29.9



#95
 Dibenzo(a,h)anthracene
 Concen: 42.207 ng/ul
 RT: 28.781 min Scan# 4322
 Delta R.T. 0.017 min
 Lab File: BG053956.D
 Acq: 20 Jun 2022 19:57

Tgt Ion:278 Resp: 529428
 Ion Ratio Lower Upper
 278 100
 139 6.7 8.6 13.0#
 279 23.8 19.4 29.0





#96

Benzo(g,h,i)perylene

Concen: 42.431 ng/ul

RT: 29.880 min Scan# 4

Delta R.T. 0.023 min

Lab File: BG053956.D

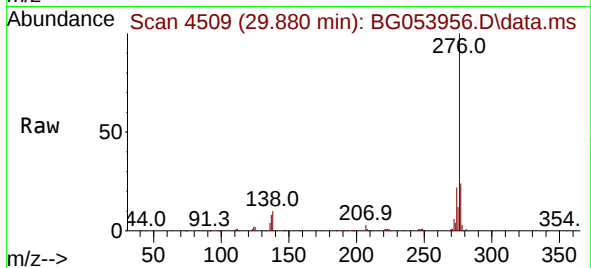
Acq: 20 Jun 2022 19:57

Instrument :

BNA_G

ClientSampleId :

EW4R7MS



Tgt Ion:276 Resp: 533982

Ion Ratio Lower Upper

276 100

138 9.7 11.3 16.9#

277 24.4 18.6 27.8

