

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021623\
 Data File : BG056654.D
 Acq On : 16 Feb 2023 14:17
 Operator : CG/JU
 Sample : SSTD16058
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD160412

Quant Time: Feb 17 03:36:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG021623.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 17 03:33:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.437	152	17349	20.000	ng/ul	0.00
20) Naphthalene-d8	11.281	136	80532	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.047	164	61366	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.779	188	143031	20.000	ng/ul	0.00
79) Chrysene-d12	22.104	240	131521	20.000	ng/ul	0.01
88) Perylene-d12	25.653	264	146376	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.719	96	24210	63.203	ng/uL	0.00
4) Pyridine-d5	4.154	84	222816	182.094	ng/ul	0.00
7) Phenol-d5	7.568	99	298694	195.153	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.750	67	166350	265.047	ng/ul	0.01
11) 2-Chlorophenol-d4	7.967	132	191324	186.818	ng/ul	0.01
15) 4-Methylphenol-d8	9.142	113	219368	179.873	ng/ul	0.02
21) Nitrobenzene-d5	9.624	128	97846	153.861	ng/ul	0.01
24) 2-Nitrophenol-d4	10.353	143	114041	137.126	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.893	165	250629	151.184	ng/ul	0.02
31) 4-Chloroaniline-d4	11.410	131	307180	164.657	ng/ul	0.02
46) Dimethylphthalate-d6	14.448	166	754352	154.924	ng/ul	0.02
49) Acenaphthylene-d8	14.754	160	875628	163.703	ng/ul	0.01
54) 4-Nitrophenol-d4	15.224	143	121923	158.619	ng/ul	0.04
60) Fluorene-d10	16.034	176	706485	155.337	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.146	200	128329	127.698	ng/ul	0.03
73) Anthracene-d10	17.885	188	1038127	157.915	ng/ul	0.01
81) Pyrene-d10	20.141	212	1242680	161.492	ng/ul	0.01
92) Benzo(a)pyrene-d12	25.429	264	1255935	167.316	ng/ul	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.755	88	27449	64.276	ng/uL	95
5) Pyridine	4.178	79	230667	192.567	ng/ul	99
6) Benzaldehyde	7.562	77	101868	189.709	ng/ul	98
8) Phenol	7.597	94	297138	196.588	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.844	93	199184	190.334	ng/ul	95
12) 2-Chlorophenol	8.003	128	192856	191.517	ng/ul	96
13) 2-Methylphenol	8.866	108	223670	192.612	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.966	45	261472	1374.706	ng/ul#	94
16) Acetophenone	9.283	105	374356	199.506	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.278	70	202878	244.078	ng/ul	97
18) 4-Methylphenol	9.219	108	239817	190.147	ng/ul	95
19) Hexachloroethane	9.548	117	74904	191.111	ng/ul	97
22) Nitrobenzene	9.671	77	287792	199.292	ng/ul	97
23) Isophorone	10.212	82	590846	194.099	ng/ul	98
25) 2-Nitrophenol	10.382	139	118205	147.295	ng/ul#	72
26) 2,4-Dimethylphenol	10.423	107	278105	169.200	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.664	93	297865	174.691	ng/ul	99
29) 2,4-Dichlorophenol	10.917	162	237901	152.207	ng/ul	96
30) Naphthalene	11.334	128	681815	161.755	ng/ul	100
32) 4-Chloroaniline	11.440	127	300187	157.498	ng/ul	96
33) Hexachlorobutadiene	11.610	225	189393	141.256	ng/ul	95
34) Caprolactam	12.239	113	43732	89.150	ng/ul	92
35) 4-Chloro-3-methylphenol	12.527	107	259015	168.913	ng/ul	97
36) 2-Methylnaphthalene	12.909	142	498791	154.921	ng/ul	100

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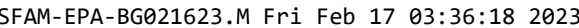
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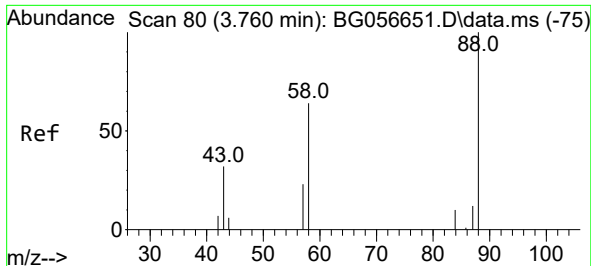
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.126	142	507051	153.137	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.267	216	370931	156.145	ng/ul	98
40) Hexachlorocyclopentadiene	13.244	237	252886	156.596	ng/ul	96
41) 2,4,6-Trichlorophenol	13.490	196	241962	160.424	ng/ul	96
42) 2,4,5-Trichlorophenol	13.567	196	261778	159.575	ng/ul	98
43) 1,1'-Biphenyl	13.896	154	710701	160.910	ng/ul	98
44) 2-Chloronaphthalene	13.943	162	600213	165.688	ng/ul	95
45) 2-Nitroaniline	14.137	65	181141	262.028	ng/ul#	86
47) Dimethylphthalate	14.495	163	745382	154.887	ng/ul	98
48) 2,6-Dinitrotoluene	14.624	165	149326	147.779	ng/ul#	78
50) Acenaphthylene	14.783	152	867666	160.153	ng/ul	97
51) 3-Nitroaniline	14.947	138	122302	159.822	ng/ul	90
52) Acenaphthene	15.118	153	609806	162.659	ng/ul	96
53) 2,4-Dinitrophenol	15.147	184	95867	132.671	ng/ul#	38
55) 4-Nitrophenol	15.241	109	134928	187.661	ng/ul#	82
56) Dibenzofuran	15.447	168	884604	152.636	ng/ul	98
57) 2,4-Dinitrotoluene	15.400	165	198978	138.194	ng/ul#	73
58) 2,3,4,6-Tetrachlorophenol	15.658	232	232181	146.183	ng/ul#	98
59) Diethylphthalate	15.846	149	720292	160.977	ng/ul	98
61) Fluorene	16.093	166	704674	150.978	ng/ul	98
62) 4-Chlorophenyl-phenyle...	16.070	204	434101	148.744	ng/ul	97
63) 4-Nitroaniline	16.123	138	117889	168.385	ng/ul#	61
66) 4,6-Dinitro-2-methylph...	16.164	198	127030	132.436	ng/ul#	86
67) N-Nitrosodiphenylamine	16.281	169	617875	161.881	ng/ul	91
68) 4-Bromophenyl-phenylether	16.963	248	289791	157.951	ng/ul	97
69) Hexachlorobenzene	17.086	284	315909	173.895	ng/ul	99
70) Atrazine	17.221	200	250141	143.776	ng/ul	100
71) Pentachlorophenol	17.421	266	191492	165.262	ng/ul	93
72) Phenanthrene	17.832	178	1172297	160.755	ng/ul	98
74) Anthracene	17.926	178	1156702	156.232	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.860	216	383923	178.094	ng/ul	98
76) Pentachlorobenzene	15.365	250	375778	170.367	ng/ul	96
77) Carbazole	18.179	167	979328	161.138	ng/ul	99
78) Di-n-butylphthalate	18.708	149	1121385	174.859	ng/ul	98
80) Fluoranthene	19.812	202	1467270	161.233	ng/ul	100
82) Pyrene	20.177	202	1423541	156.411	ng/ul	98
83) Butylbenzylphthalate	21.034	149	517382	193.824	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.980	252	423499	136.181	ng/ul	99
85) Benzo(a)anthracene	22.086	228	1494989	164.845	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.951	149	745568	193.164	ng/ul	97
87) Chrysene	22.163	228	1378617	163.473	ng/ul	97
89) Di-n-octyl phthalate	23.279	149	1243305	185.006	ng/ul	100
90) Benzo(b)fluoranthene	24.530	252	1599906	163.711	ng/ul	99
91) Benzo(k)fluoranthene	24.613	252	1487613	155.568	ng/ul	98
93) Benzo(a)pyrene	25.517	252	1345004	157.198	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.795	276	1840256	163.497	ng/ul	98
95) Dibenzo(a,h)anthracene	29.889	278	1529354	162.584	ng/ul	98
96) Benzo(g,h,i)perylene	31.105	276	1510188	165.970	ng/ul	98

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

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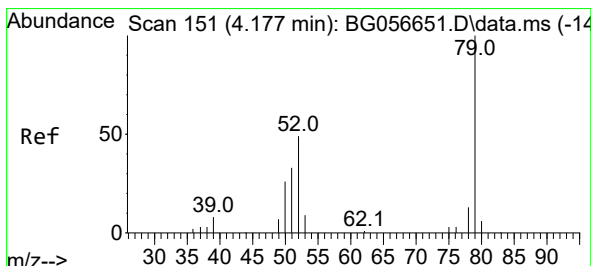
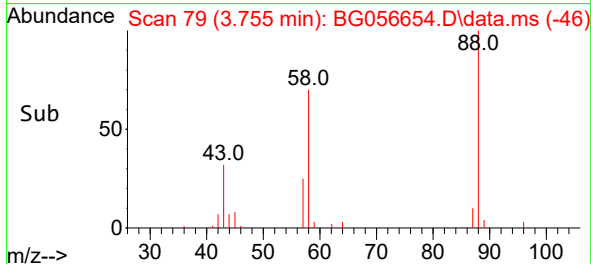
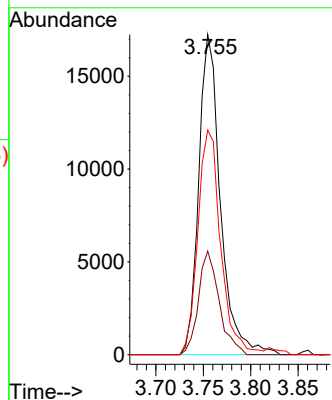
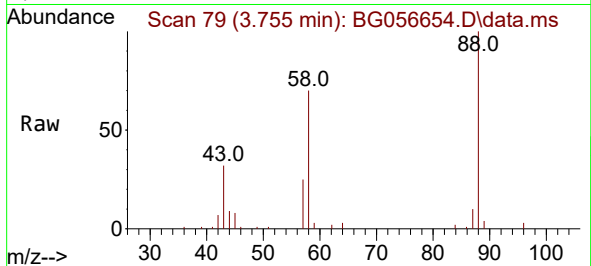




#2
1,4-Dioxane
Concen: 64.276 ng/uL
RT: 3.755 min Scan# 79
Delta R.T. -0.005 min
Lab File: BG056654.D
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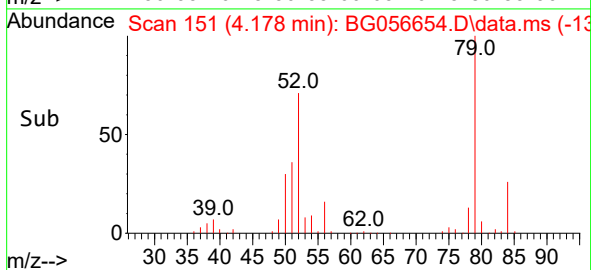
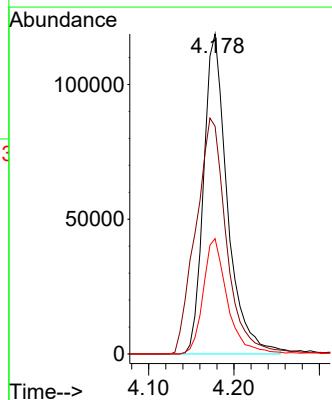
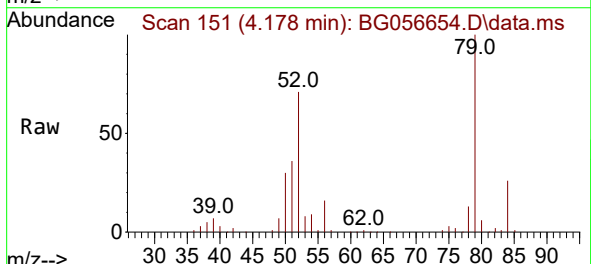
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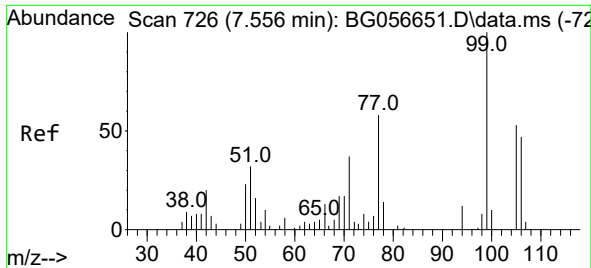
Tgt Ion: 88 Resp: 27449
Ion Ratio Lower Upper
88 100
43 32.4 25.5 38.3
58 70.2 51.6 77.4



#5
Pyridine
Concen: 192.567 ng/uL
RT: 4.178 min Scan# 151
Delta R.T. 0.001 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 79 Resp: 230667
Ion Ratio Lower Upper
79 100
52 71.2 57.4 86.0
51 36.0 27.7 41.5

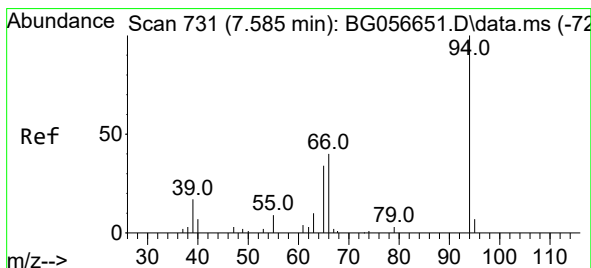
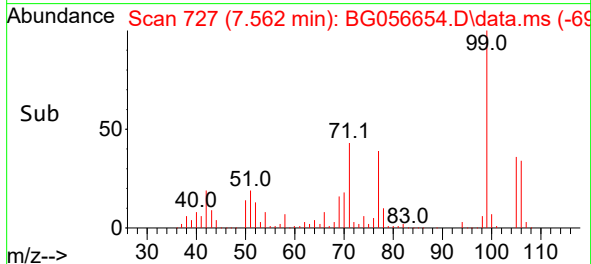
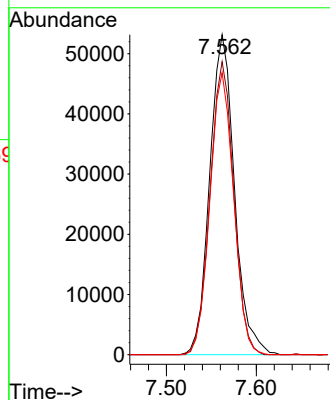
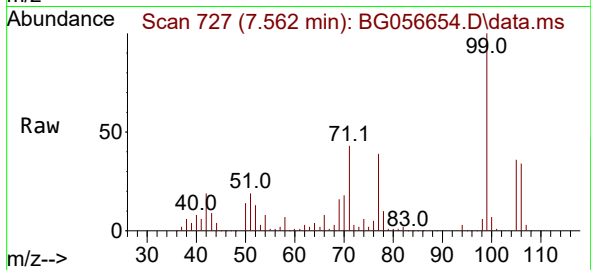




#6
Benzaldehyde
Concen: 189.709 ng/ul
RT: 7.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

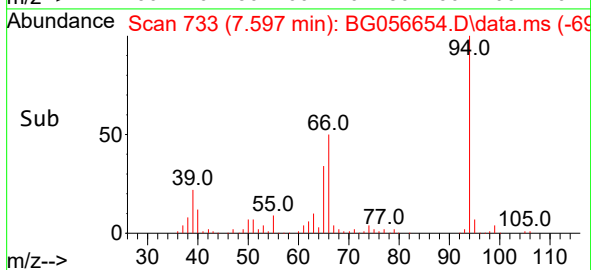
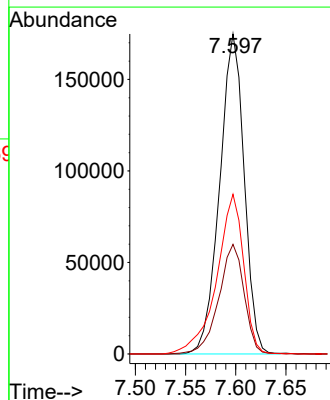
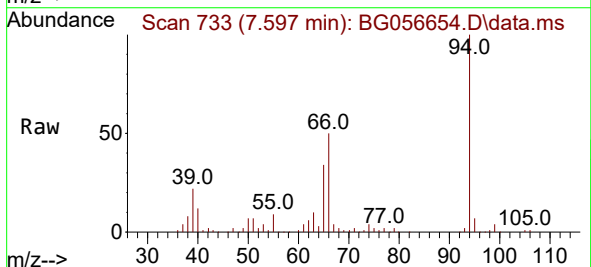
Instrument :
BNA_G
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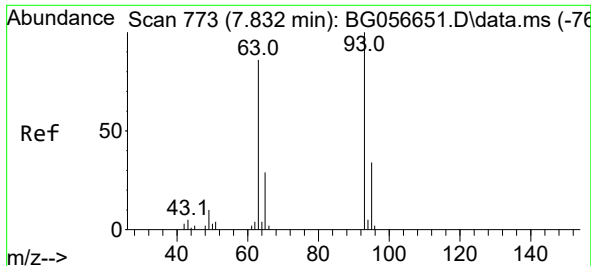
Tgt Ion: 77 Resp: 101868
Ion Ratio Lower Upper
77 100
105 91.6 73.0 109.6
106 88.1 67.5 101.3



#8
Phenol
Concen: 196.588 ng/ul
RT: 7.597 min Scan# 733
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 94 Resp: 297138
Ion Ratio Lower Upper
94 100
65 34.3 27.6 41.4
66 49.9 36.7 55.1





#10

Bis(2-Chloroethyl)ether

Concen: 190.334 ng/ul

RT: 7.844 min Scan# 775

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

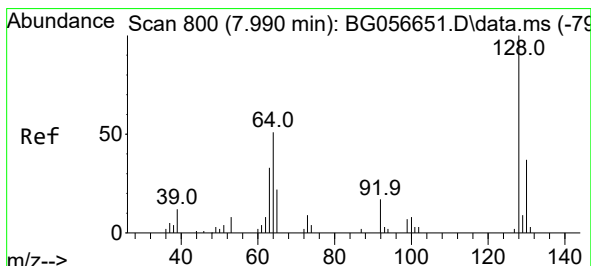
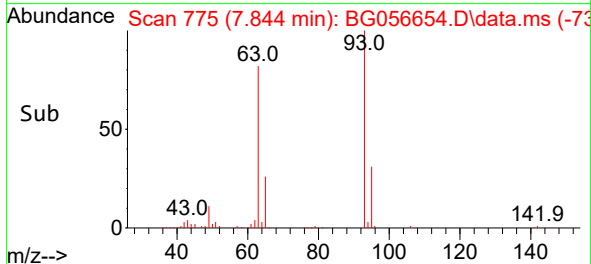
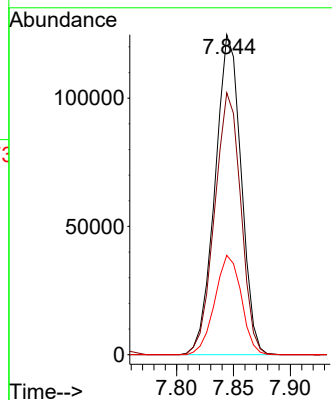
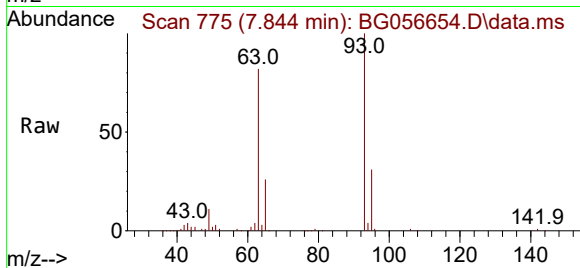
Tgt Ion: 93 Resp: 199184

Ion Ratio Lower Upper

93 100

63 81.8 69.0 103.4

95 31.1 27.4 41.2



#12

2-Chlorophenol

Concen: 191.517 ng/ul

RT: 8.003 min Scan# 802

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

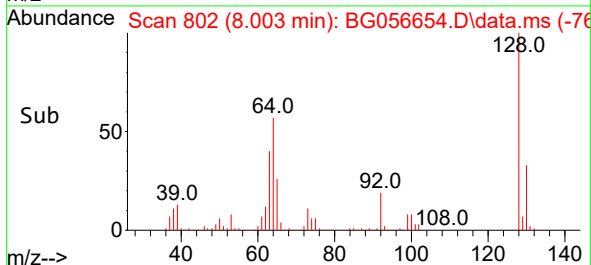
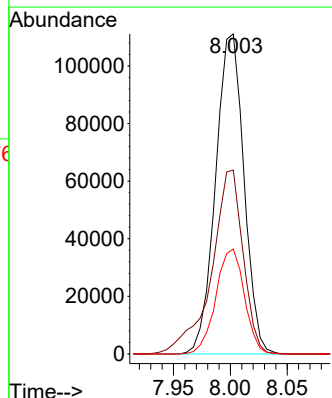
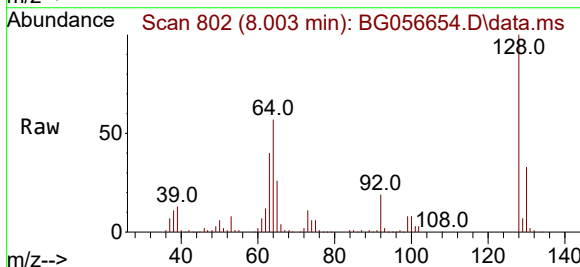
Tgt Ion:128 Resp: 192856

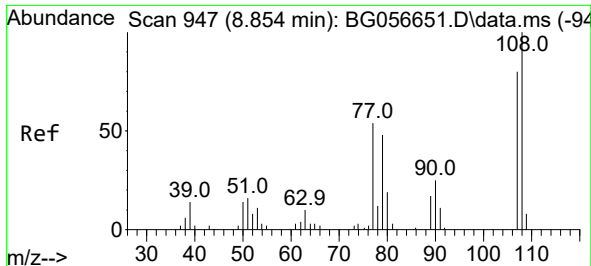
Ion Ratio Lower Upper

128 100

64 57.4 47.4 71.2

130 32.8 29.5 44.3

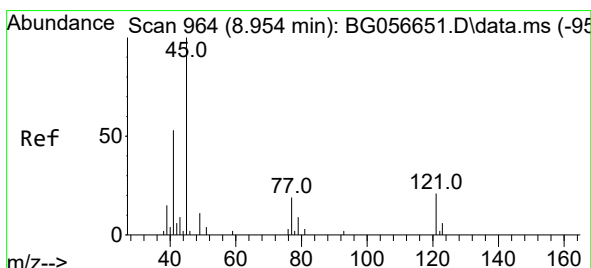
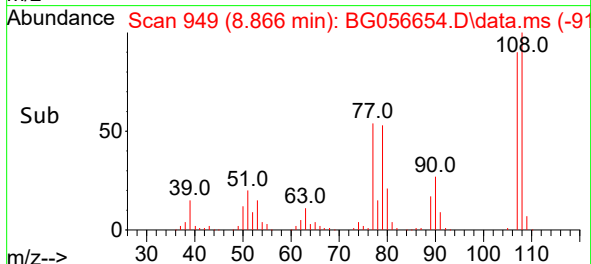
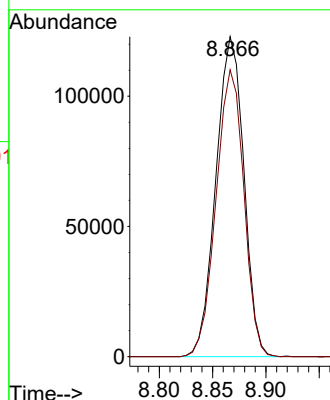
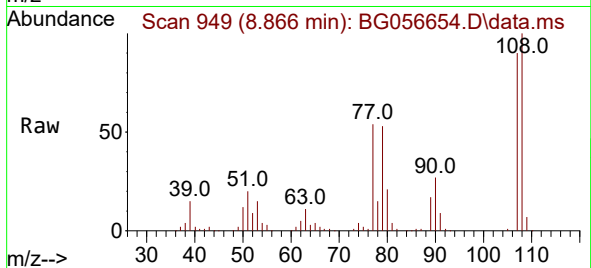




#13
2-Methylphenol
Concen: 192.612 ng/ul
RT: 8.866 min Scan# 947
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

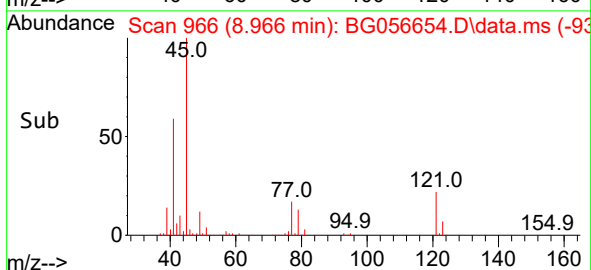
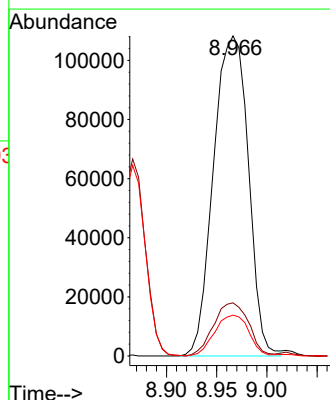
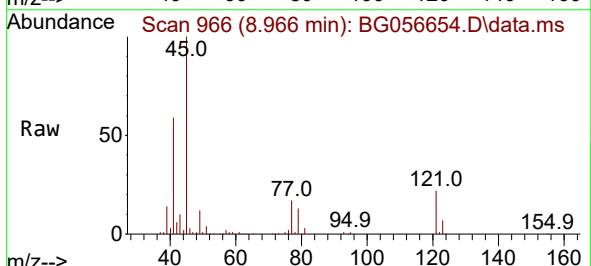
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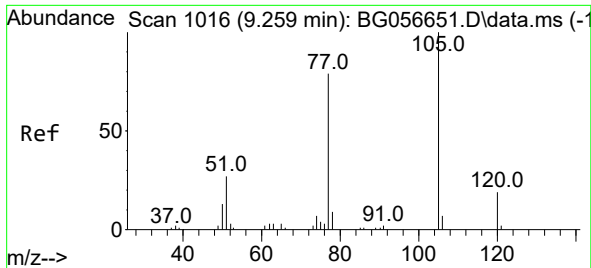
Tgt Ion:108 Resp: 223670
Ion Ratio Lower Upper
108 100
107 89.6 64.2 96.2



#14
2,2'-oxybis(1-Chloropropane)
Concen: 1374.706 ng/ul
RT: 8.966 min Scan# 966
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 45 Resp: 261472
Ion Ratio Lower Upper
45 100
77 16.6 14.9 22.3
79 12.8 7.6 11.4#

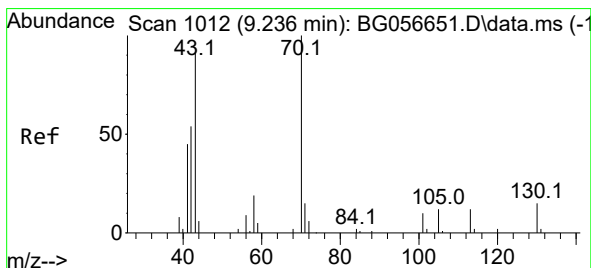
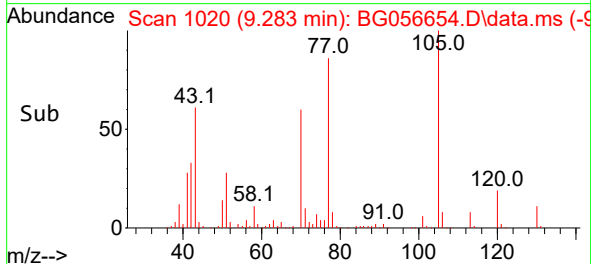
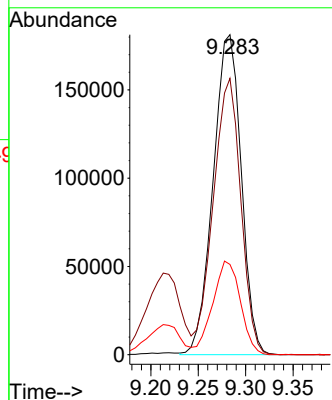
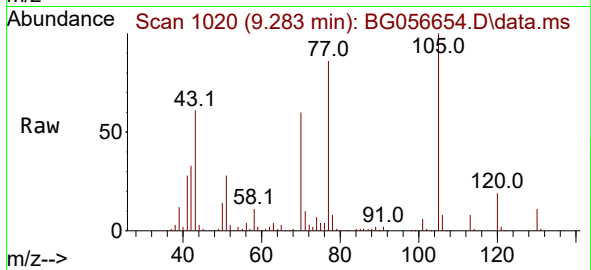




#16
Acetophenone
Concen: 199.506 ng/ul
RT: 9.283 min Scan# 1016
Delta R.T. 0.024 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

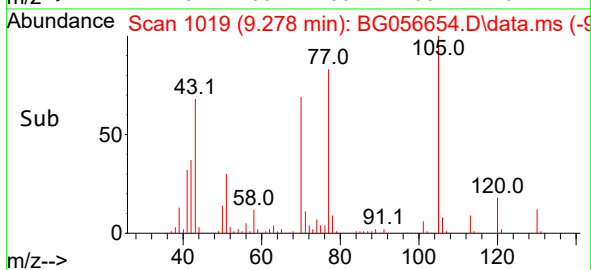
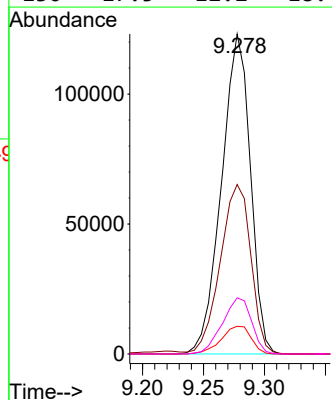
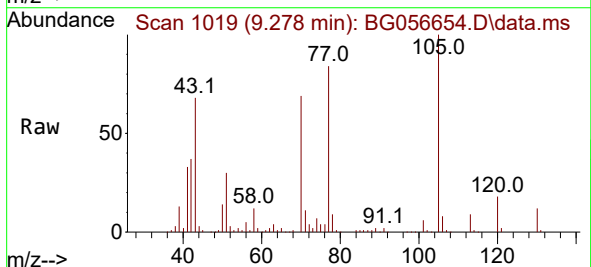
Instrument :
BNA_G
ClientSampleId :
SSTD160412

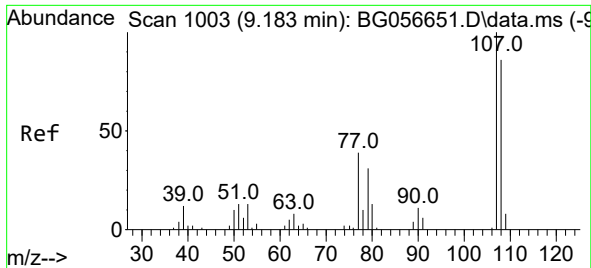
Tgt Ion:105 Resp: 374356
Ion Ratio Lower Upper
105 100
77 86.3 63.4 95.2
51 28.2 22.0 33.0



#17
N-Nitroso-di-n-propylamine
Concen: 244.078 ng/ul
RT: 9.278 min Scan# 1019
Delta R.T. 0.042 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 70 Resp: 202878
Ion Ratio Lower Upper
70 100
42 53.0 43.4 65.0
101 8.7 7.7 11.5
130 17.5 12.2 18.4

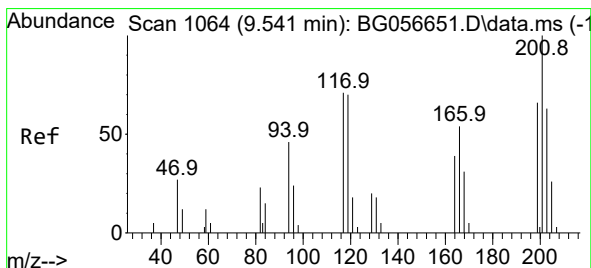
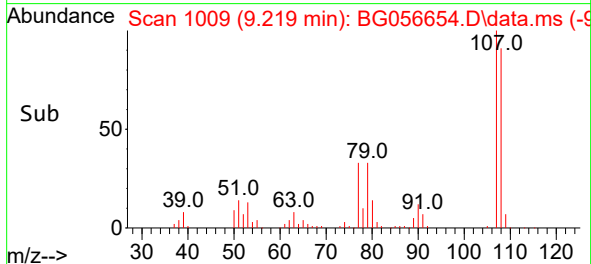
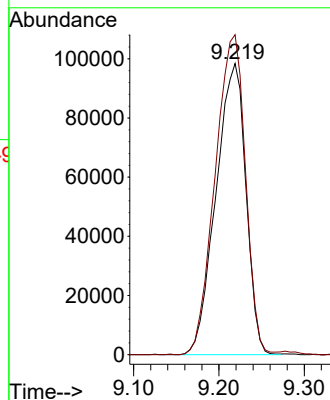
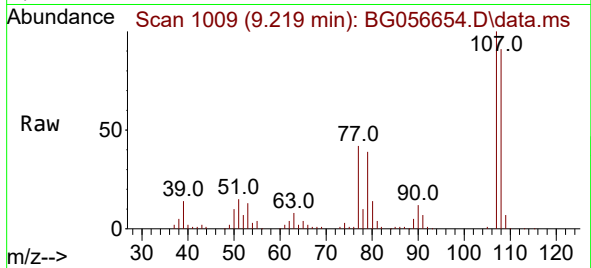




#18
4-Methylphenol
Concen: 190.147 ng/ul
RT: 9.219 min Scan# 1009
Delta R.T. 0.036 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

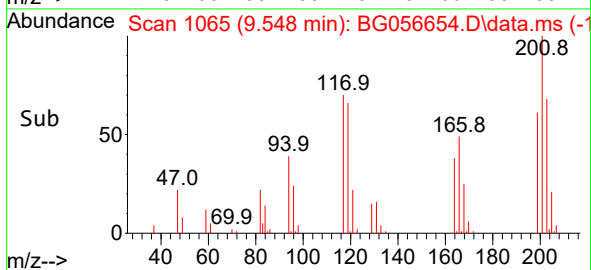
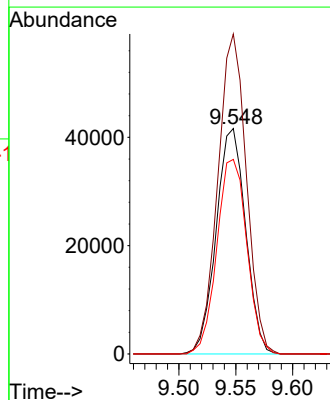
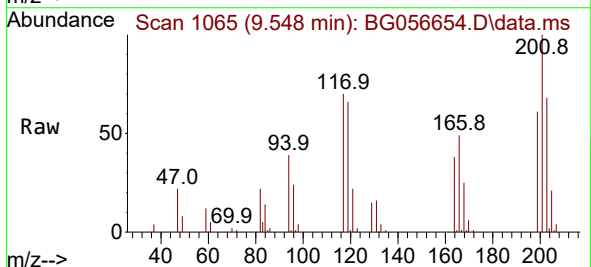
Instrument :
BNA_G
ClientSampleId :
SSTD160412

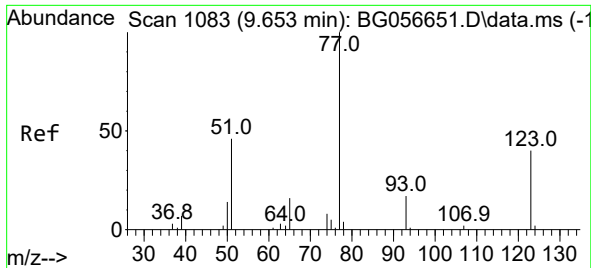
Tgt Ion:108 Resp: 239817
Ion Ratio Lower Upper
108 100
107 109.9 92.6 138.8



#19
Hexachloroethane
Concen: 191.111 ng/ul
RT: 9.548 min Scan# 1065
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:117 Resp: 74904
Ion Ratio Lower Upper
117 100
201 141.9 112.9 169.3
199 86.3 74.7 112.1

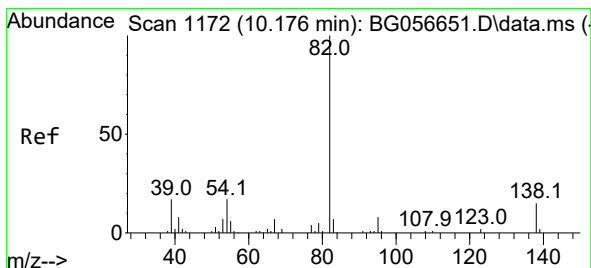
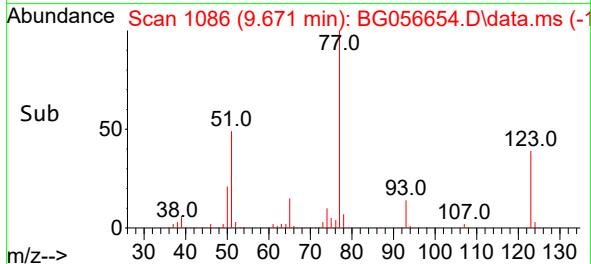
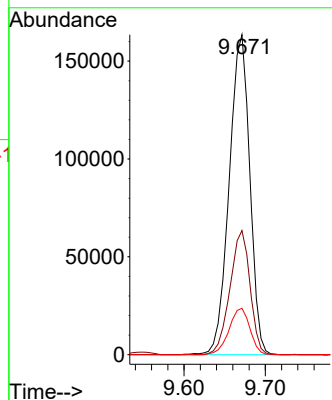
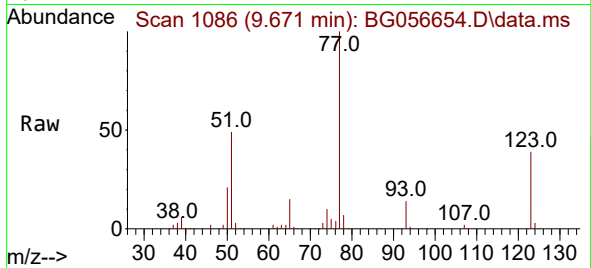




#22
Nitrobenzene
Concen: 199.292 ng/ul
RT: 9.671 min Scan# 1086
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

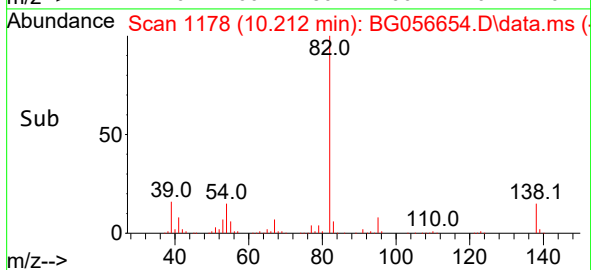
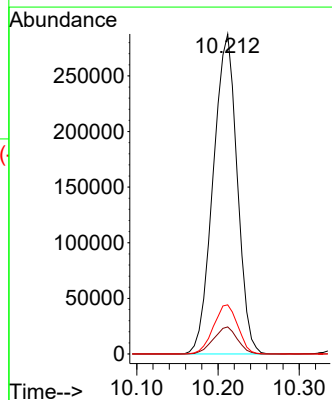
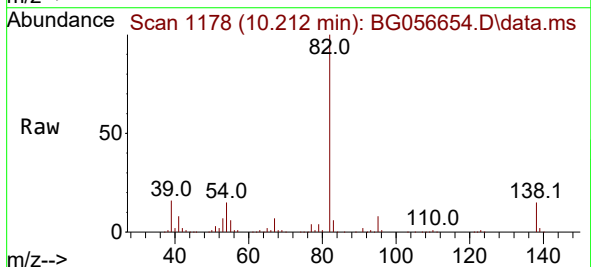
Instrument :
BNA_G
ClientSampleId :
SSTD160412

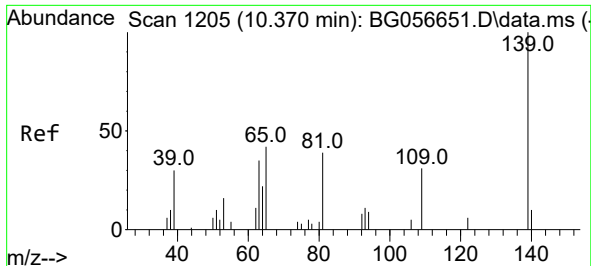
Tgt Ion: 77 Resp: 287792
Ion Ratio Lower Upper
77 100
123 38.8 32.1 48.1
65 14.5 12.9 19.3



#23
Isophorone
Concen: 194.099 ng/ul
RT: 10.212 min Scan# 1178
Delta R.T. 0.036 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 82 Resp: 590846
Ion Ratio Lower Upper
82 100
95 8.4 6.5 9.7
138 15.4 11.7 17.5

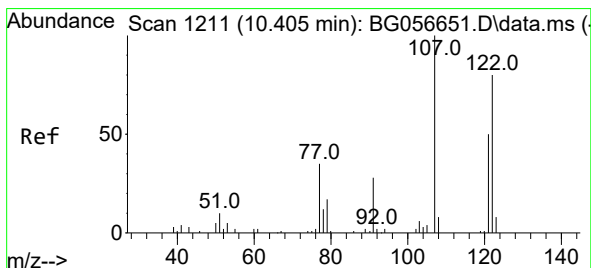
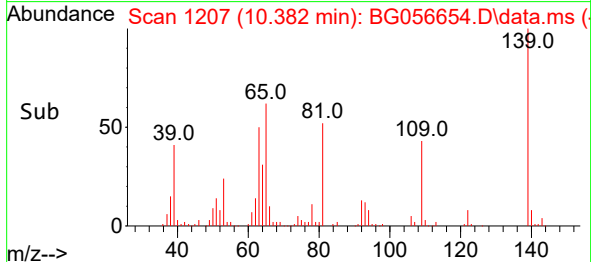
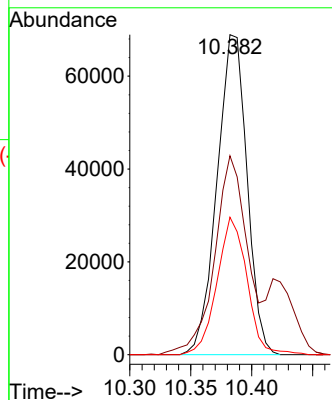
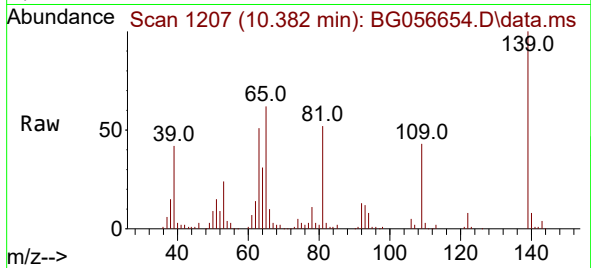




#25
2-Nitrophenol
Concen: 147.295 ng/ul
RT: 10.382 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

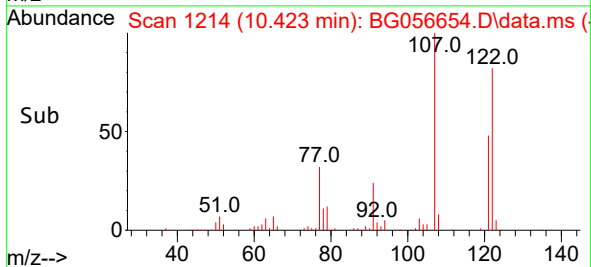
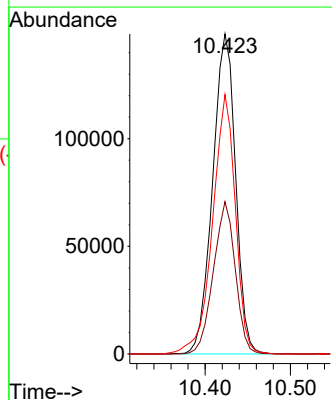
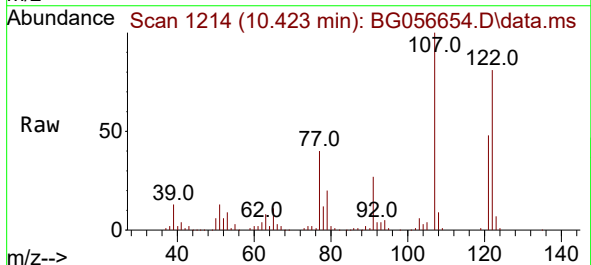
Instrument :
BNA_G
ClientSampleId :
SSTD160412

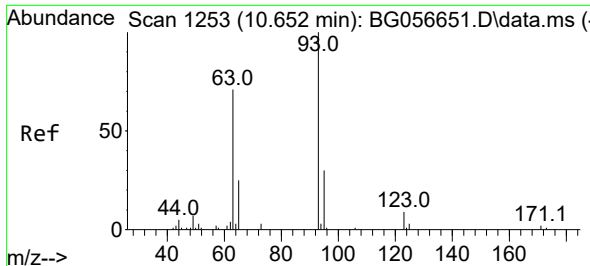
Tgt Ion:139 Resp: 118205
Ion Ratio Lower Upper
139 100
65 62.1 33.3 49.9#
109 42.9 25.0 37.6#



#26
2,4-Dimethylphenol
Concen: 169.200 ng/ul
RT: 10.423 min Scan# 1214
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:107 Resp: 278105
Ion Ratio Lower Upper
107 100
121 47.6 40.3 60.5
122 81.1 66.2 99.2





#27

Bis(2-Chloroethoxy)methane

Concen: 174.691 ng/ul

RT: 10.664 min Scan# 1255

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

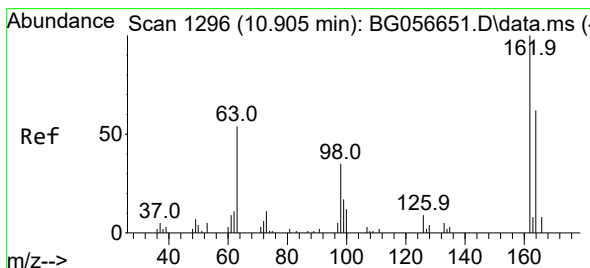
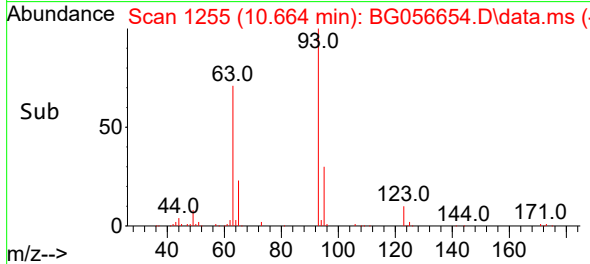
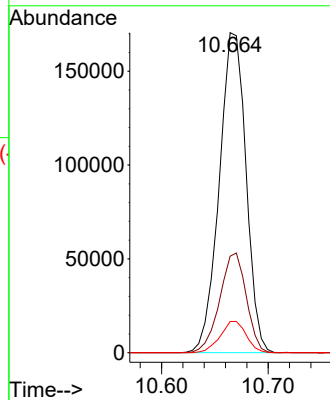
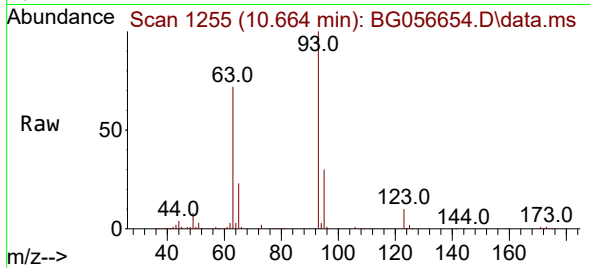
Tgt Ion: 93 Resp: 297865

Ion Ratio Lower Upper

93 100

95 30.1 23.8 35.6

123 9.8 6.9 10.3



#29

2,4-Dichlorophenol

Concen: 152.207 ng/ul

RT: 10.917 min Scan# 1298

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

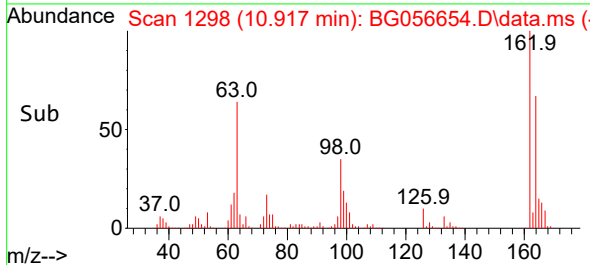
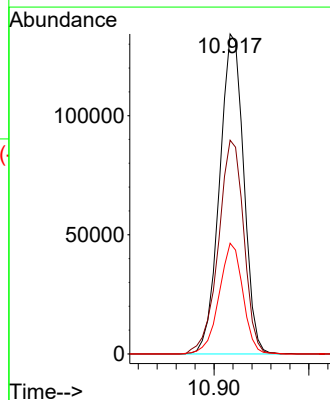
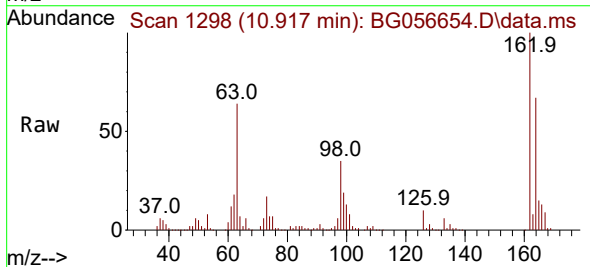
Tgt Ion:162 Resp: 237901

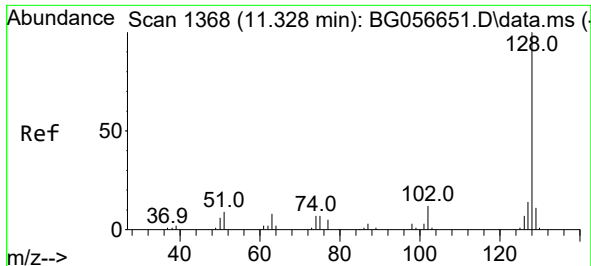
Ion Ratio Lower Upper

162 100

164 66.8 49.9 74.9

98 34.6 28.1 42.1

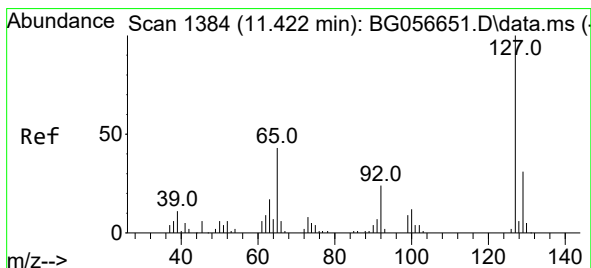
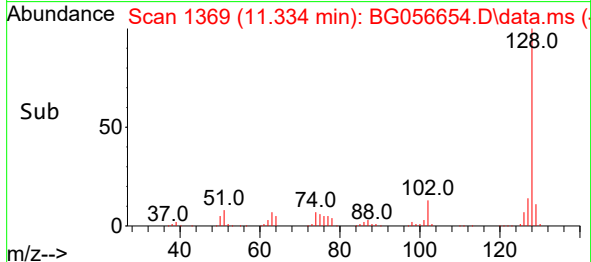
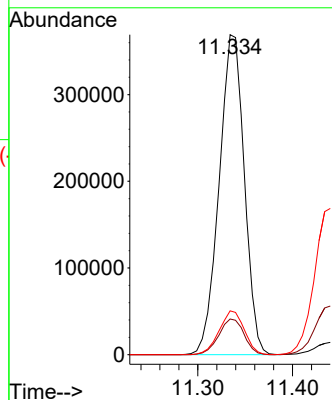
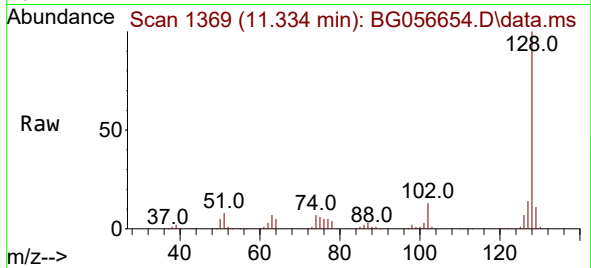




#30
Naphthalene
Concen: 161.755 ng/ul
RT: 11.334 min Scan# 11369
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

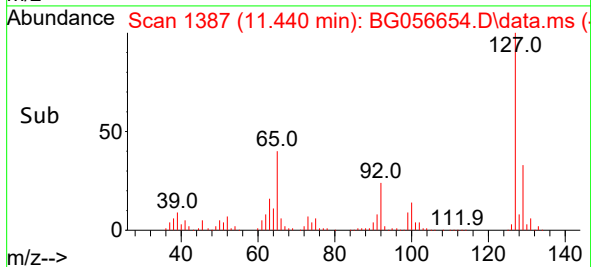
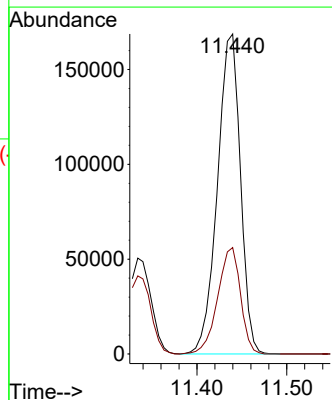
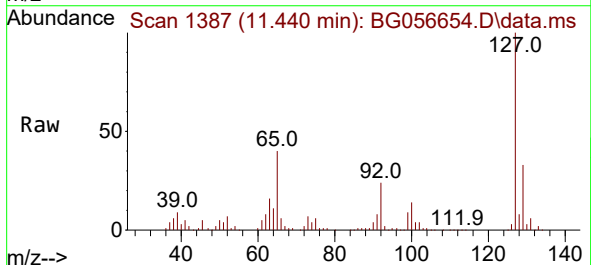
Instrument :
BNA_G
ClientSampleId :
SSTD160412

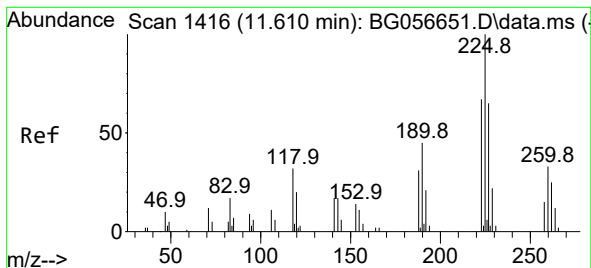
Tgt Ion:128 Resp: 681815
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.7 11.2 16.8



#32
4-Chloroaniline
Concen: 157.498 ng/ul
RT: 11.440 min Scan# 1387
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:127 Resp: 300187
Ion Ratio Lower Upper
127 100
129 33.2 24.9 37.3

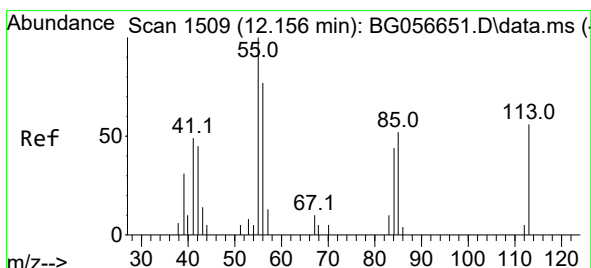
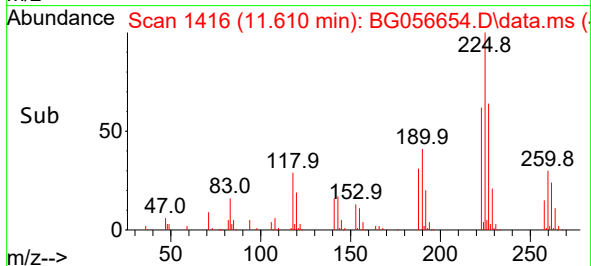
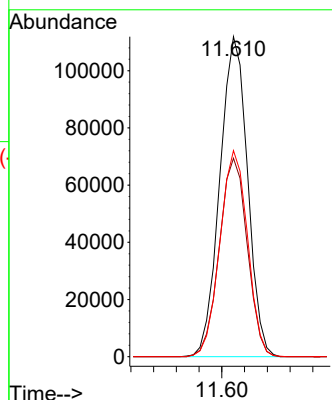
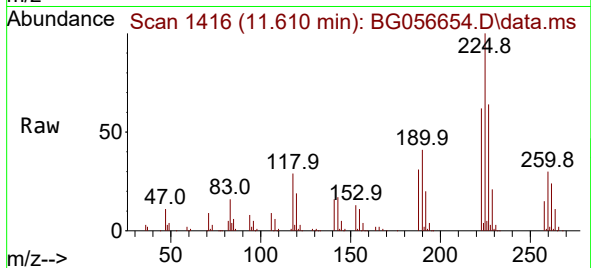




#33
Hexachlorobutadiene
Concen: 141.256 ng/ul
RT: 11.610 min Scan# 1416
Delta R.T. 0.001 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

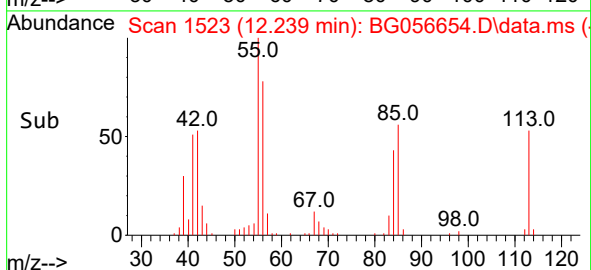
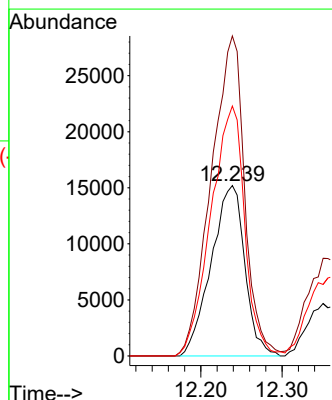
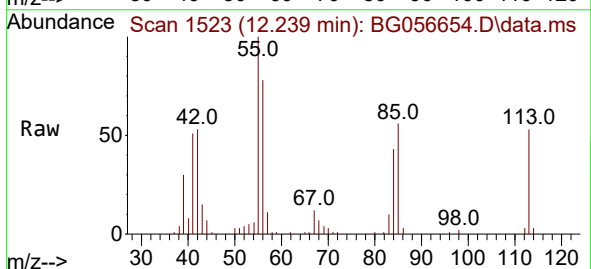
Instrument :
BNA_G
ClientSampleId :
SSTD160412

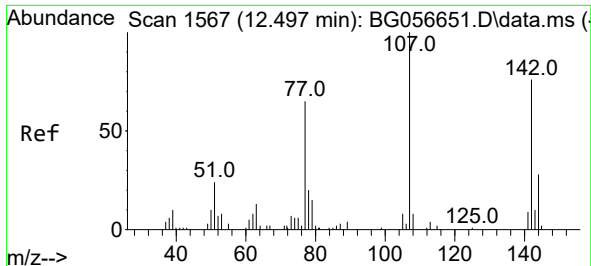
Tgt Ion:225 Resp: 189393
Ion Ratio Lower Upper
225 100
223 62.0 53.6 80.4
227 64.4 54.6 81.8



#34
Caprolactam
Concen: 89.150 ng/ul
RT: 12.239 min Scan# 1523
Delta R.T. 0.083 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:113 Resp: 43732
Ion Ratio Lower Upper
113 100
55 187.8 142.0 213.0
56 146.6 109.7 164.5

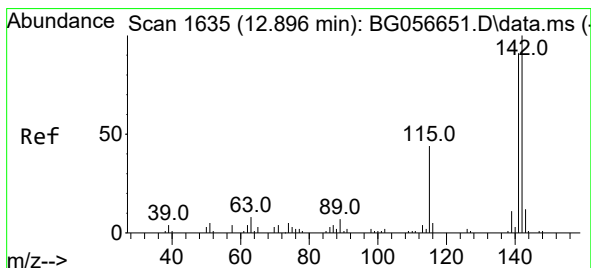
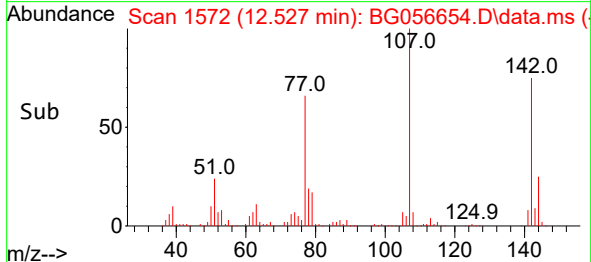
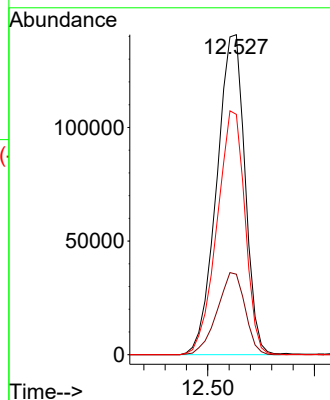
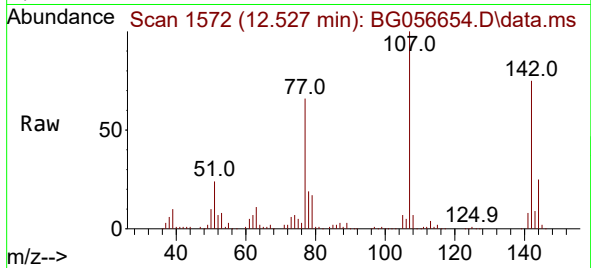




#35
4-Chloro-3-methylphenol
Concen: 168.913 ng/ul
RT: 12.527 min Scan# 1567
Delta R.T. 0.030 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

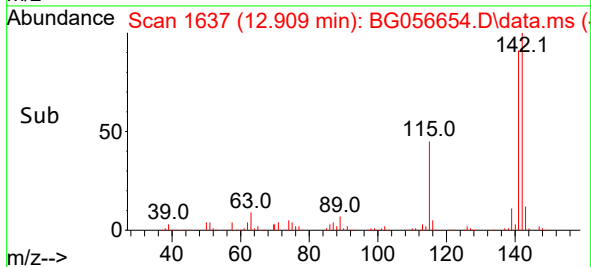
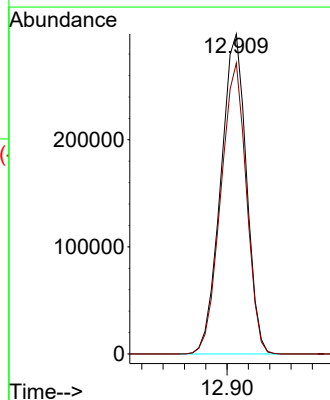
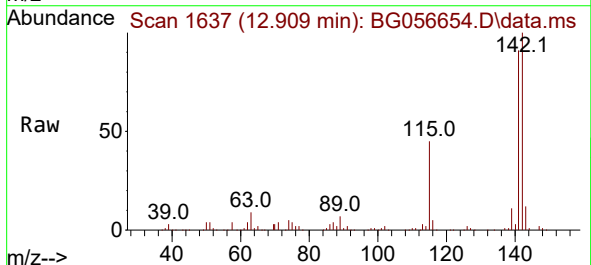
Instrument :
BNA_G
ClientSampleId :
SSTD160412

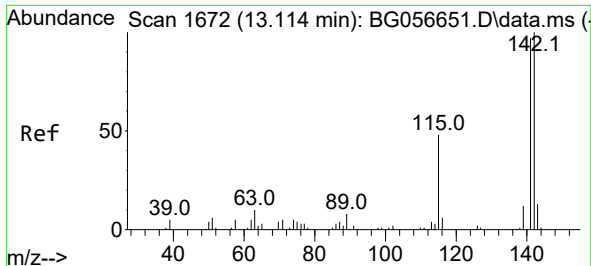
Tgt Ion:107 Resp: 259015
Ion Ratio Lower Upper
107 100
144 25.2 22.6 34.0
142 75.1 61.2 91.8



#36
2-Methylnaphthalene
Concen: 154.921 ng/ul
RT: 12.909 min Scan# 1637
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:142 Resp: 498791
Ion Ratio Lower Upper
142 100
141 90.9 72.5 108.7





#37

1-Methylnaphthalene

Concen: 153.137 ng/ul

RT: 13.126 min Scan# 1

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

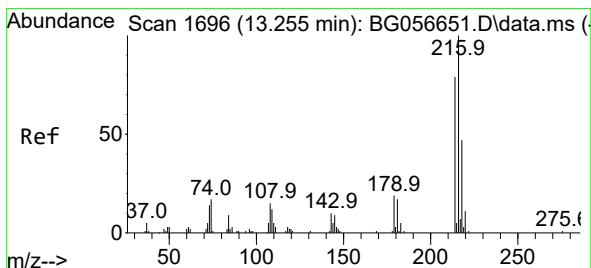
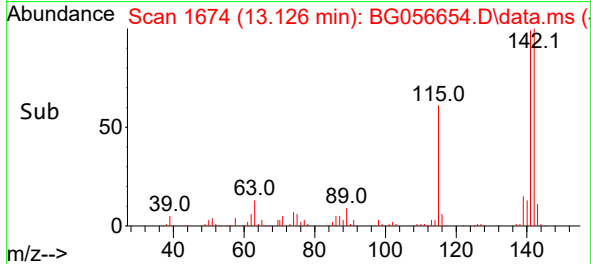
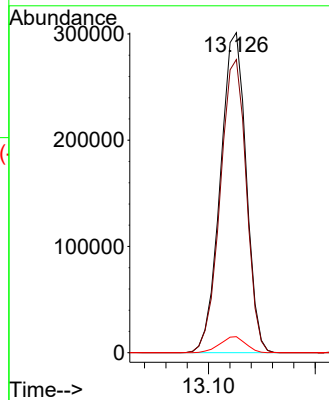
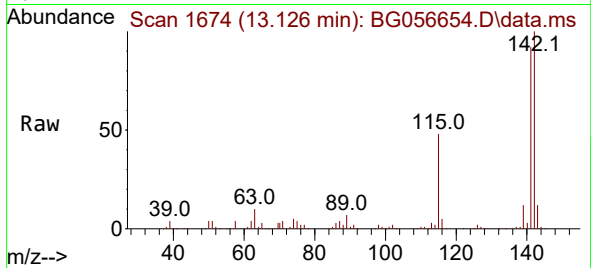
Tgt Ion:142 Resp: 507051

Ion Ratio Lower Upper

142 100

141 91.6 78.3 117.5

116 5.0 4.8 7.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 156.145 ng/ul

RT: 13.267 min Scan# 1698

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Tgt Ion:216 Resp: 370931

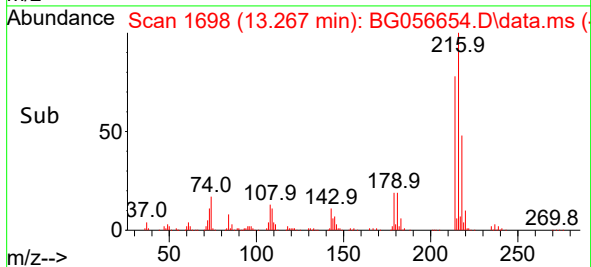
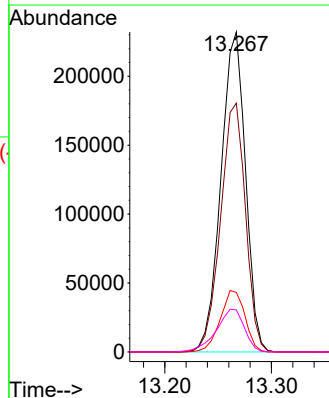
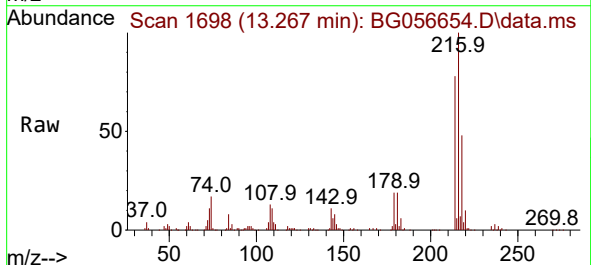
Ion Ratio Lower Upper

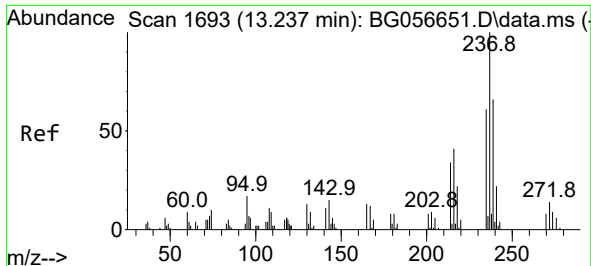
216 100

214 77.8 63.4 95.0

179 18.6 14.8 22.2

108 13.2 11.7 17.5

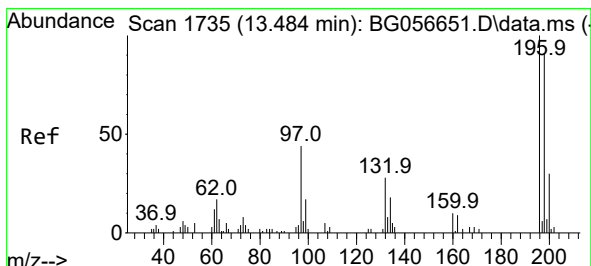
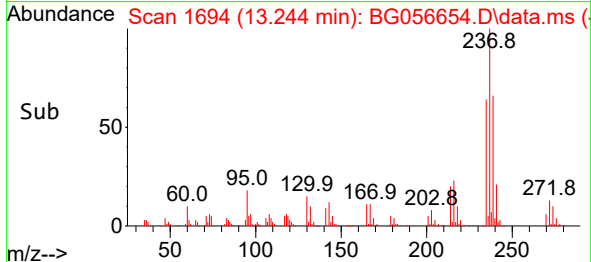
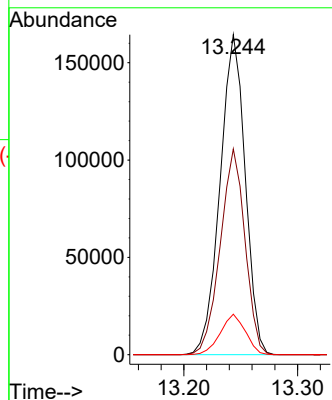
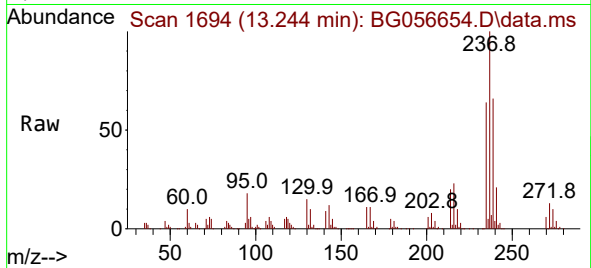




#40
 Hexachlorocyclopentadiene
 Concen: 156.596 ng/ul
 RT: 13.244 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BG056654.D
 Acq: 16 Feb 2023 14:17

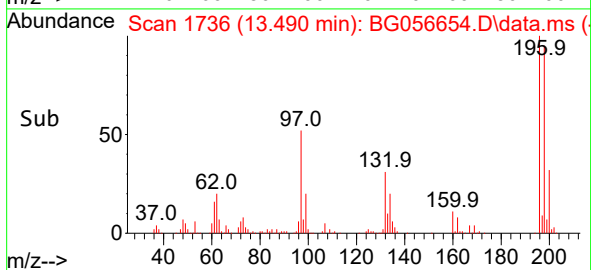
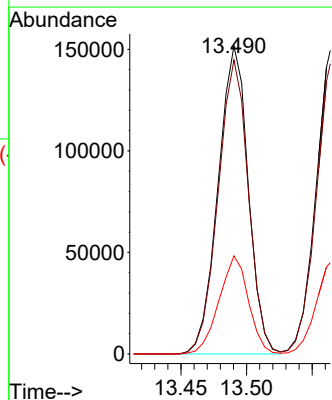
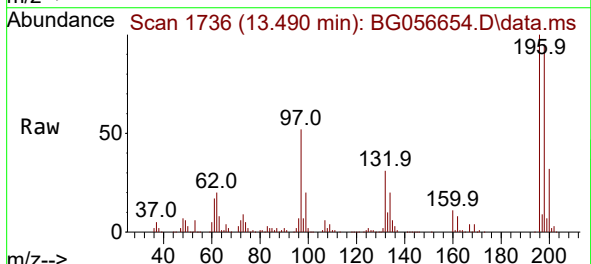
Instrument :
 BNA_G
 ClientSampleId :
 SSTD160412

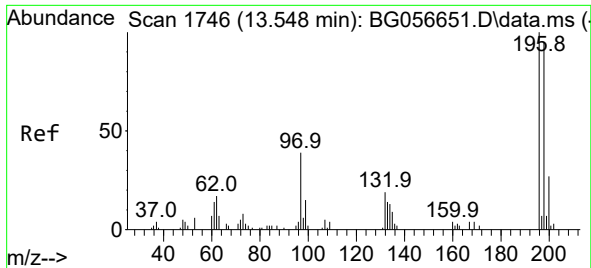
Tgt Ion:237 Resp: 252886
 Ion Ratio Lower Upper
 237 100
 235 64.3 48.6 73.0
 272 12.6 11.1 16.7



#41
 2,4,6-Trichlorophenol
 Concen: 160.424 ng/ul
 RT: 13.490 min Scan# 1736
 Delta R.T. 0.006 min
 Lab File: BG056654.D
 Acq: 16 Feb 2023 14:17

Tgt Ion:196 Resp: 241962
 Ion Ratio Lower Upper
 196 100
 198 95.4 72.6 109.0
 200 31.9 25.3 37.9

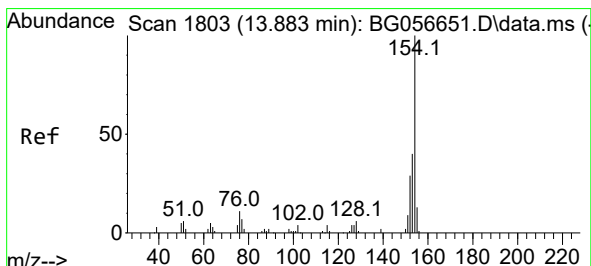
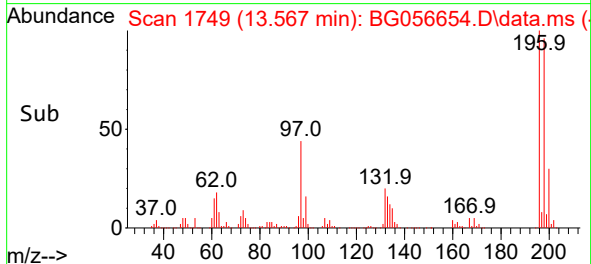
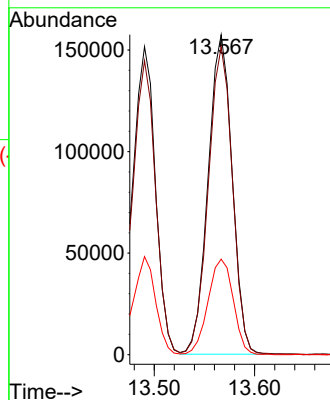
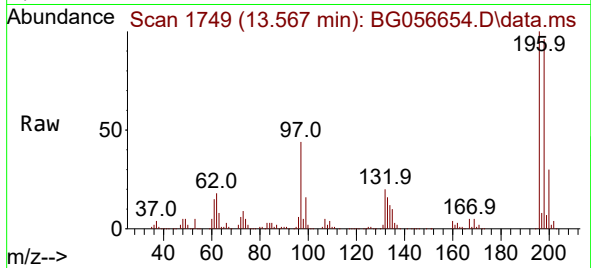




#42
2,4,5-Trichlorophenol
Concen: 159.575 ng/ul
RT: 13.567 min Scan# 11
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

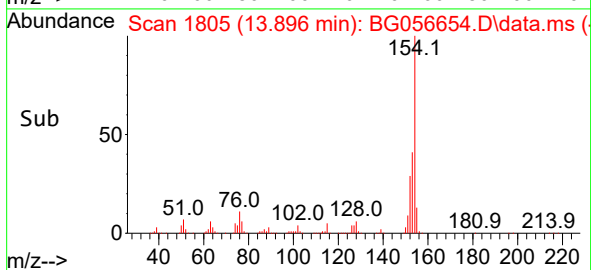
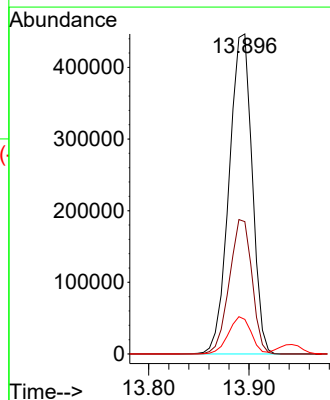
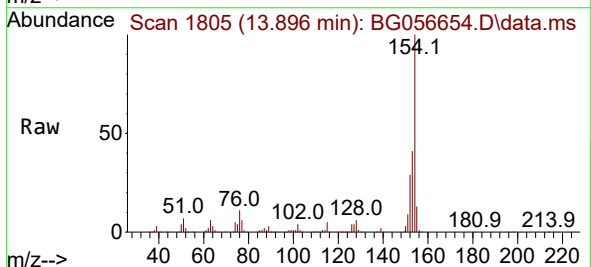
Instrument :
BNA_G
ClientSampleId :
SSTD160412

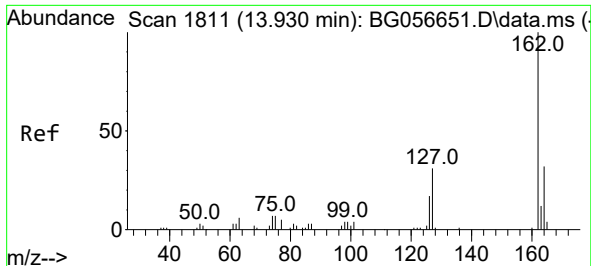
Tgt Ion:196 Resp: 261778
Ion Ratio Lower Upper
196 100
198 96.1 75.4 113.0
200 29.8 22.4 33.6



#43
1,1'-Biphenyl
Concen: 160.910 ng/ul
RT: 13.896 min Scan# 1805
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:154 Resp: 710701
Ion Ratio Lower Upper
154 100
153 41.4 32.2 48.2
76 10.8 9.0 13.4

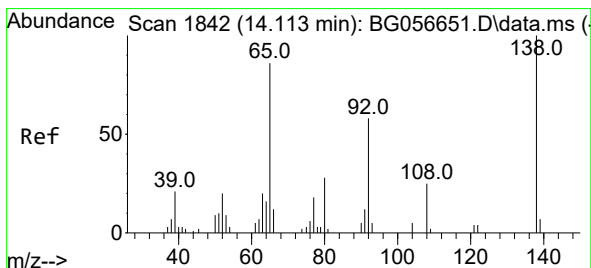
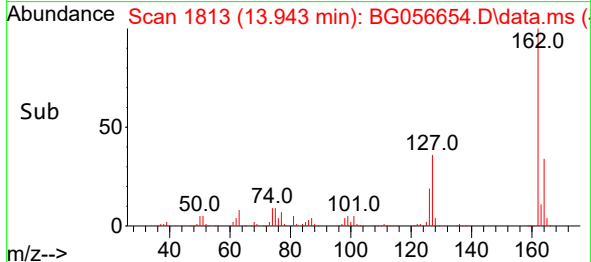
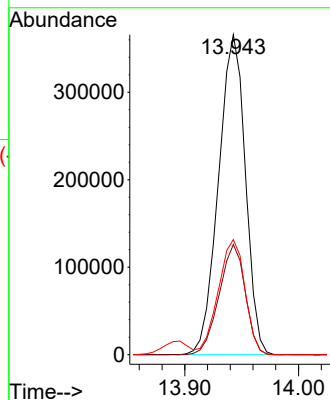
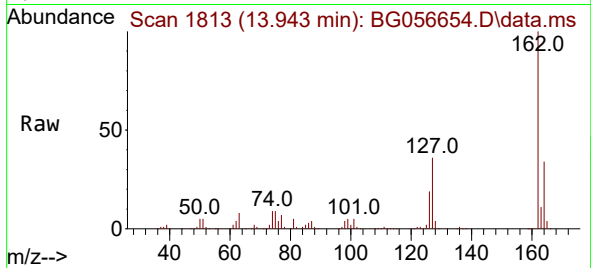




#44
2-Chloronaphthalene
Concen: 165.688 ng/ul
RT: 13.943 min Scan# 1813
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

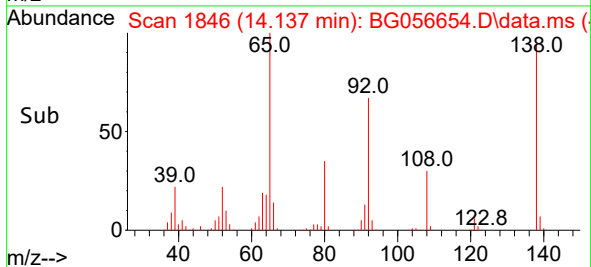
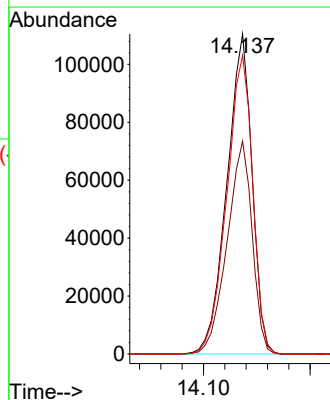
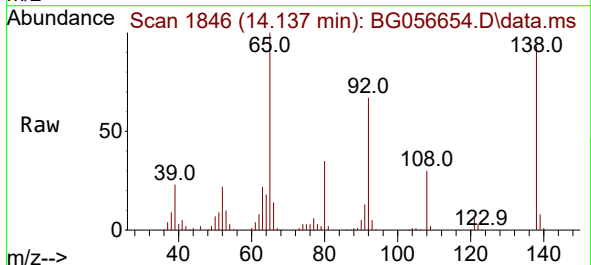
Instrument :
BNA_G
ClientSampleId :
SSTD160412

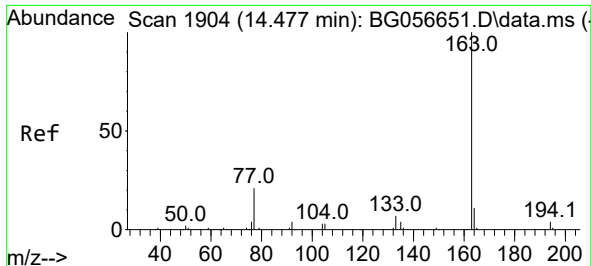
Tgt Ion:162 Resp: 600213
Ion Ratio Lower Upper
162 100
164 34.4 25.6 38.4
127 36.0 26.2 39.2



#45
2-Nitroaniline
Concen: 262.028 ng/ul
RT: 14.137 min Scan# 1846
Delta R.T. 0.024 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion: 65 Resp: 181141
Ion Ratio Lower Upper
65 100
92 66.5 54.4 81.6
138 93.4 93.4 140.0#

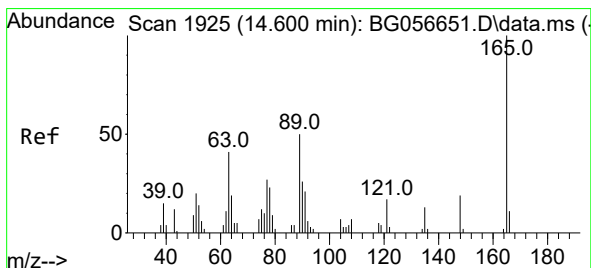
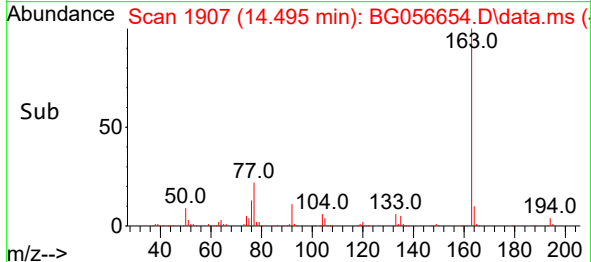
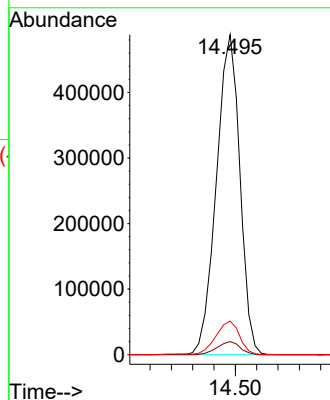
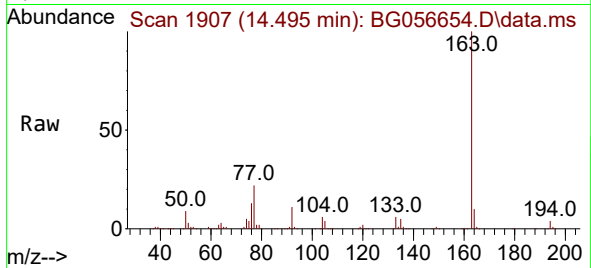




#47
Dimethylphthalate
Concen: 154.887 ng/ul
RT: 14.495 min Scan# 1907
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

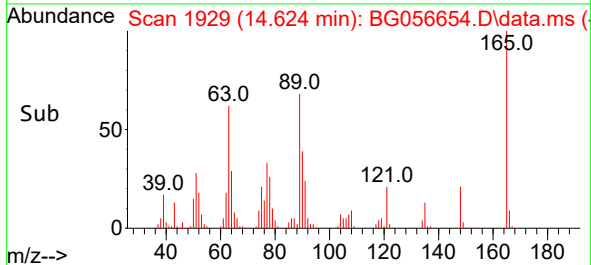
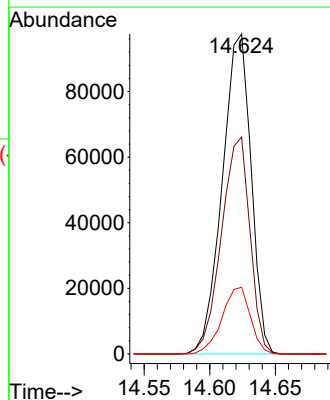
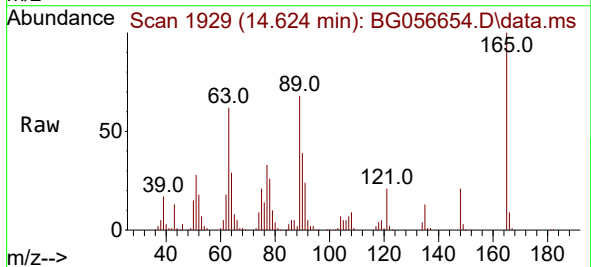
Instrument :
BNA_G
ClientSampleId :
SSTD160412

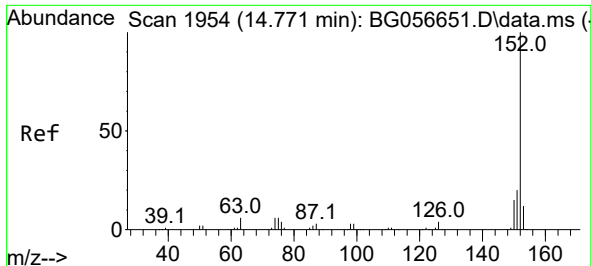
Tgt Ion:163 Resp: 745382
Ion Ratio Lower Upper
163 100
194 4.1 2.8 4.2
164 10.5 9.1 13.7



#48
2,6-Dinitrotoluene
Concen: 147.779 ng/ul
RT: 14.624 min Scan# 1929
Delta R.T. 0.024 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:165 Resp: 149326
Ion Ratio Lower Upper
165 100
89 67.8 39.8 59.8#
121 20.8 13.4 20.2#

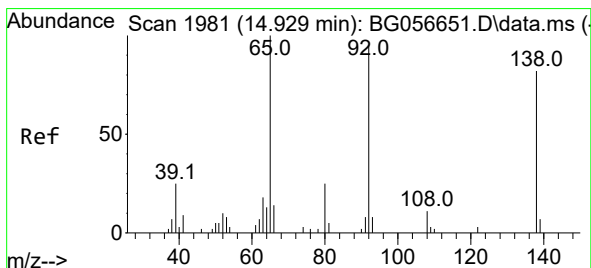
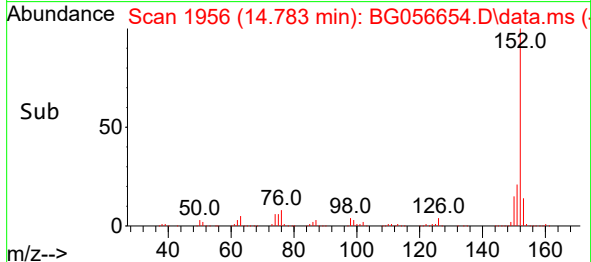
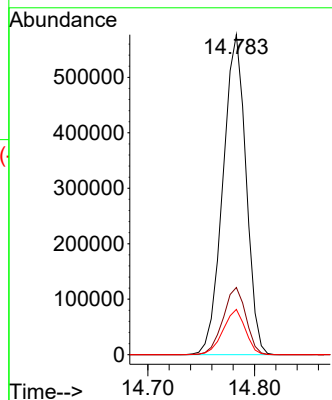
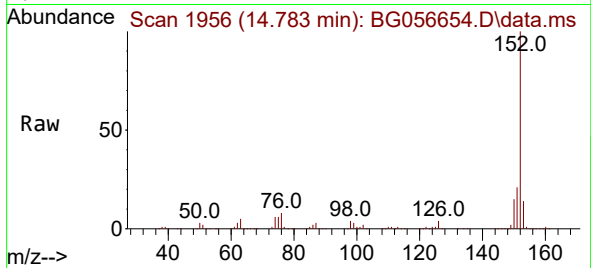




#50
Acenaphthylene
Concen: 160.153 ng/ul
RT: 14.783 min Scan# 1956
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

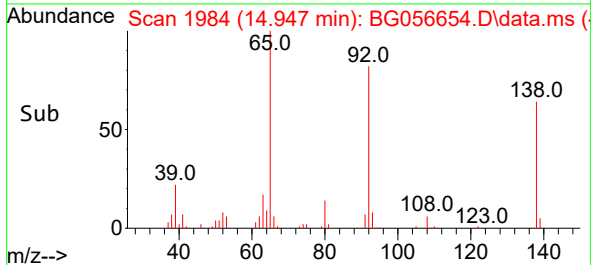
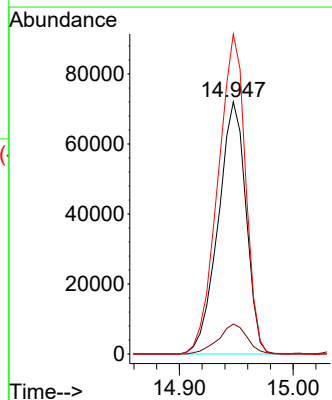
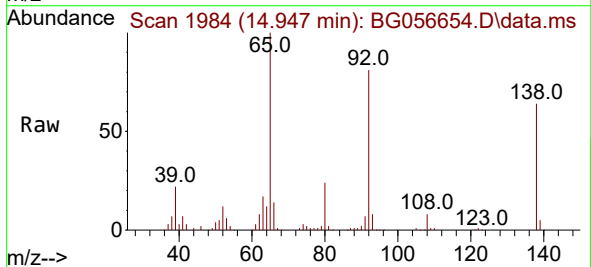
Instrument :
BNA_G
ClientSampleId :
SSTD160412

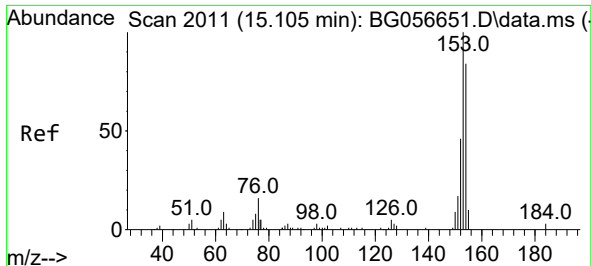
Tgt Ion:152 Resp: 867666
Ion Ratio Lower Upper
152 100
151 21.0 15.8 23.6
153 14.1 10.0 15.0



#51
3-Nitroaniline
Concen: 159.822 ng/ul
RT: 14.947 min Scan# 1984
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:138 Resp: 122302
Ion Ratio Lower Upper
138 100
108 11.9 11.2 16.8
92 126.9 92.8 139.2

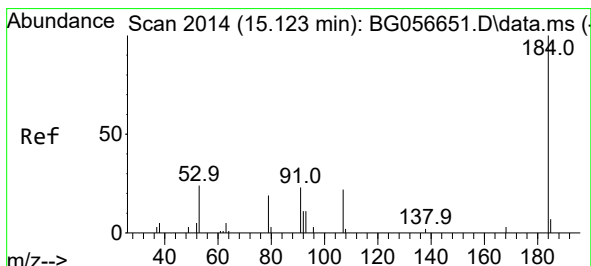
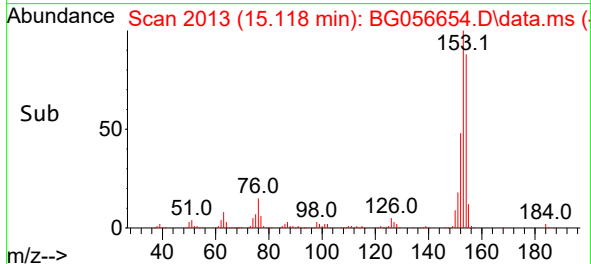
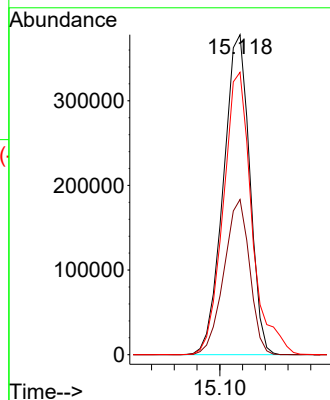
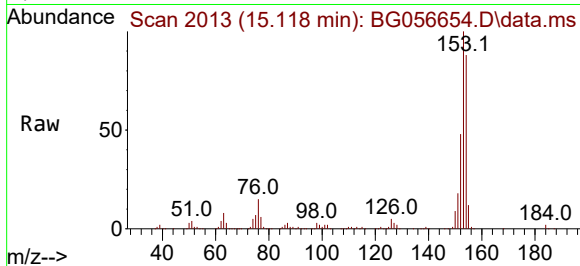




#52
Acenaphthene
Concen: 162.659 ng/ul
RT: 15.118 min Scan# 2011
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

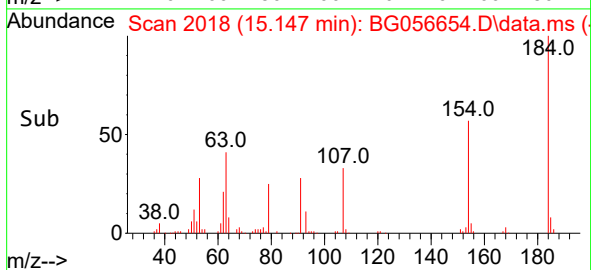
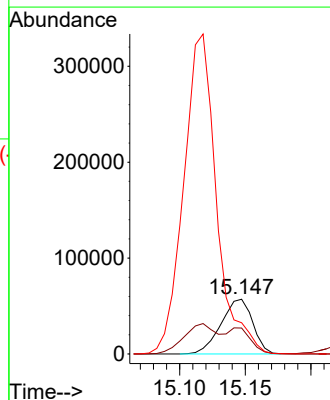
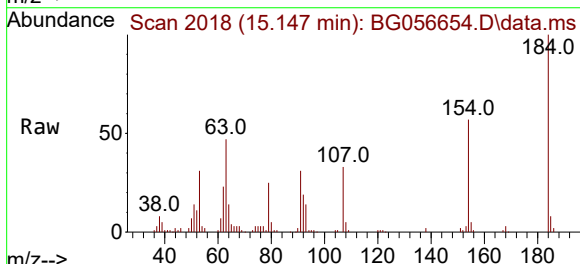
Instrument :
BNA_G
ClientSampleId :
SSTD160412

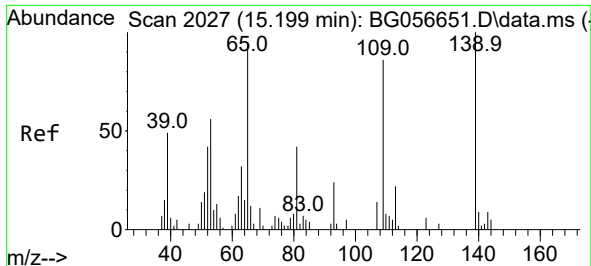
Tgt Ion:153 Resp: 609806
Ion Ratio Lower Upper
153 100
152 48.5 36.8 55.2
154 88.3 67.2 100.8



#53
2,4-Dinitrophenol
Concen: 132.671 ng/ul
RT: 15.147 min Scan# 2018
Delta R.T. 0.024 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:184 Resp: 95867
Ion Ratio Lower Upper
184 100
63 47.4 32.2 48.2
154 57.2 123.6 185.4#

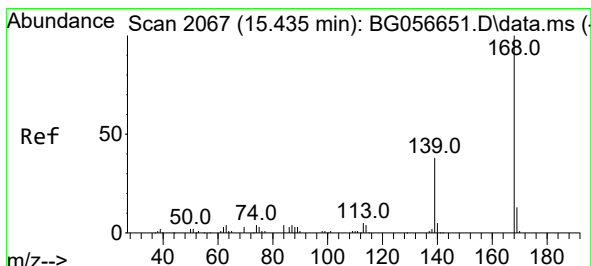
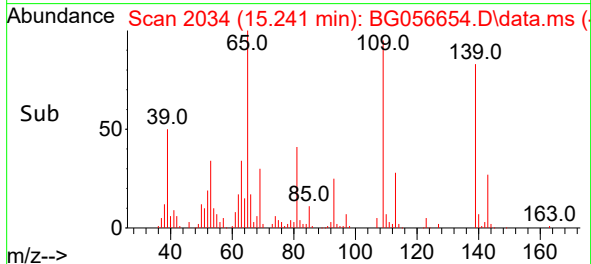
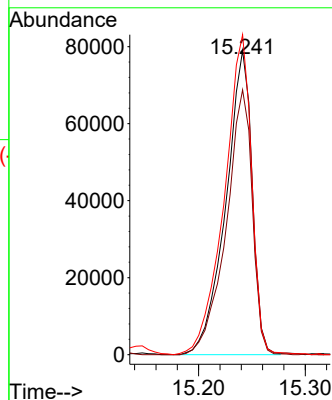
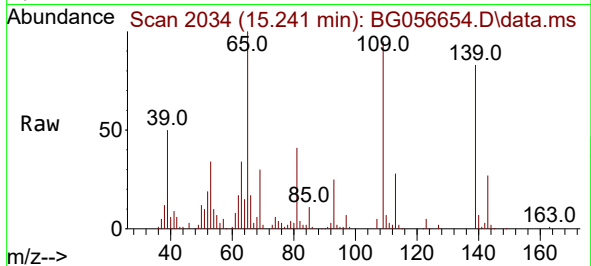




#55
4-Nitrophenol
Concen: 187.661 ng/ul
RT: 15.241 min Scan# 2034
Delta R.T. 0.042 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

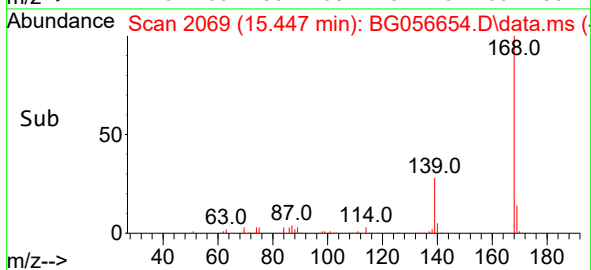
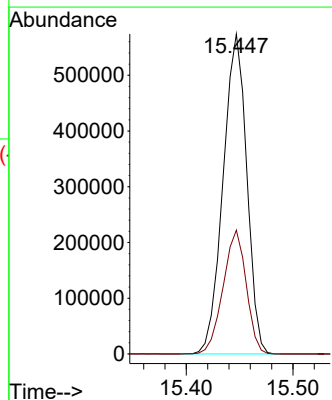
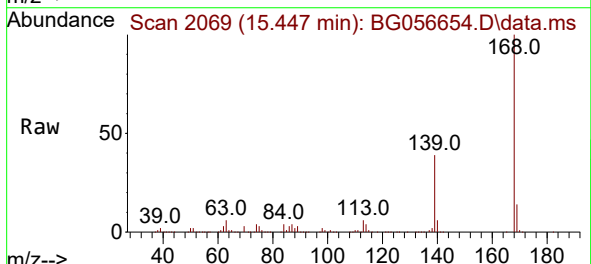
Instrument :
BNA_G
ClientSampleId :
SSTD160412

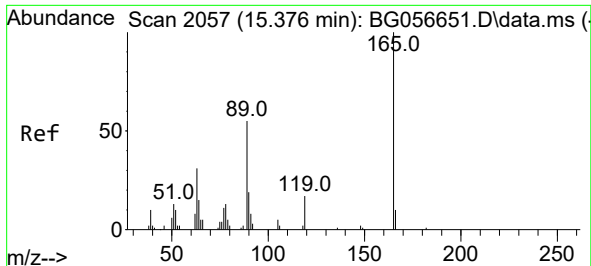
Tgt Ion:109 Resp: 134928
Ion Ratio Lower Upper
109 100
139 87.0 94.7 142.1#
65 105.2 90.5 135.7



#56
Dibenzofuran
Concen: 152.636 ng/ul
RT: 15.447 min Scan# 2069
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:168 Resp: 884604
Ion Ratio Lower Upper
168 100
139 38.7 30.2 45.4





#57

2,4-Dinitrotoluene

Concen: 138.194 ng/ul

RT: 15.400 min Scan# 2057

Delta R.T. 0.024 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

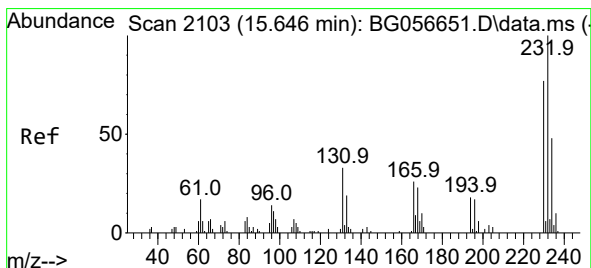
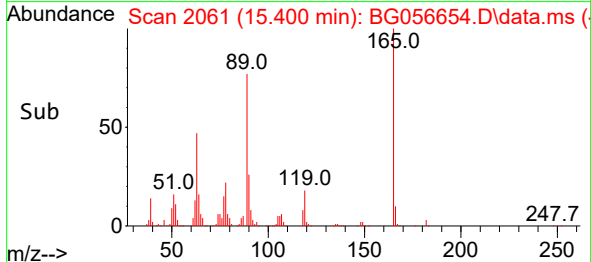
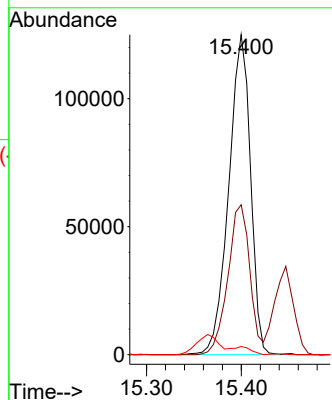
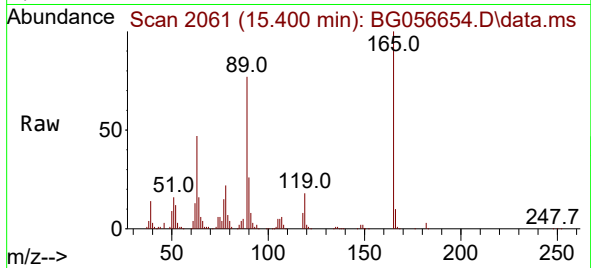
Tgt Ion:165 Resp: 198978

Ion Ratio Lower Upper

165 100

63 46.9 24.7 37.1#

182 2.6 2.4 3.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 146.183 ng/ul

RT: 15.658 min Scan# 2105

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Tgt Ion:232 Resp: 232181

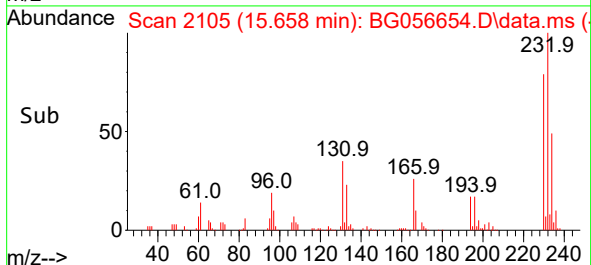
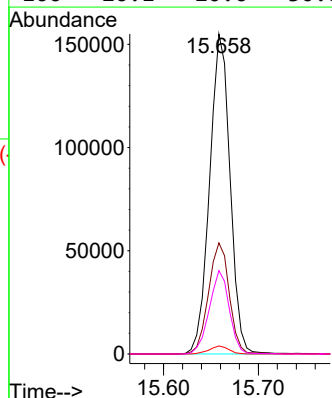
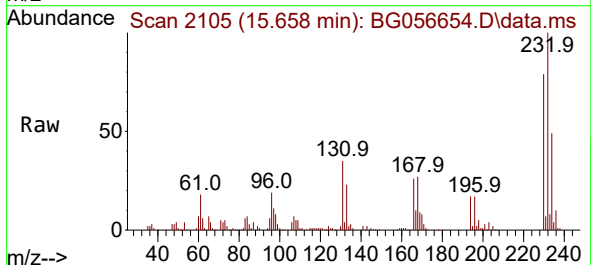
Ion Ratio Lower Upper

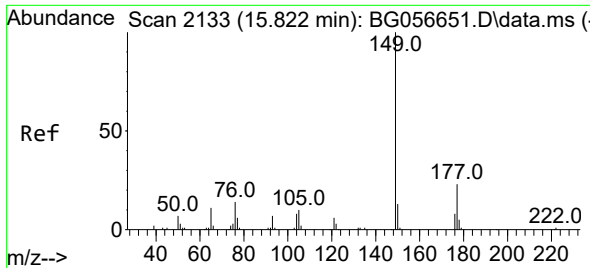
232 100

131 34.7 26.3 39.5

130 2.5 1.6 2.4#

166 26.1 20.6 30.8

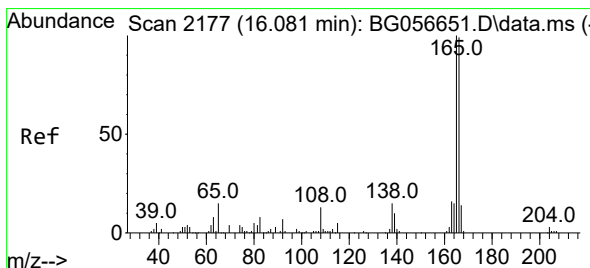
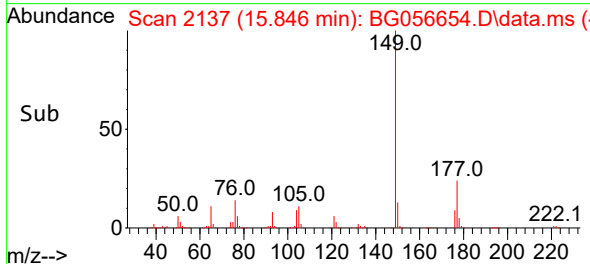
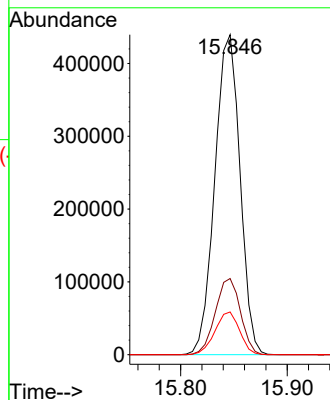
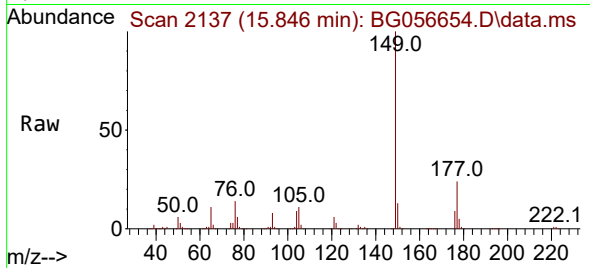




#59
Diethylphthalate
Concen: 160.977 ng/ul
RT: 15.846 min Scan# 2137
Delta R.T. 0.024 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

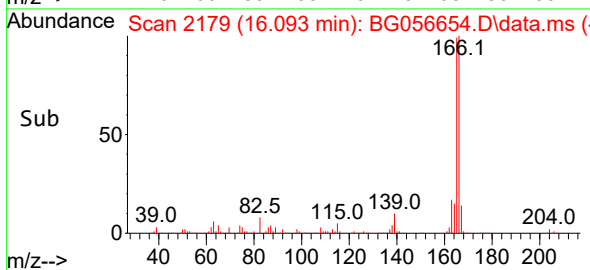
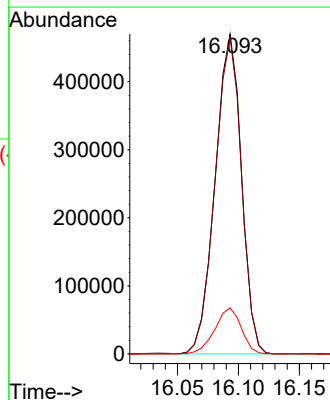
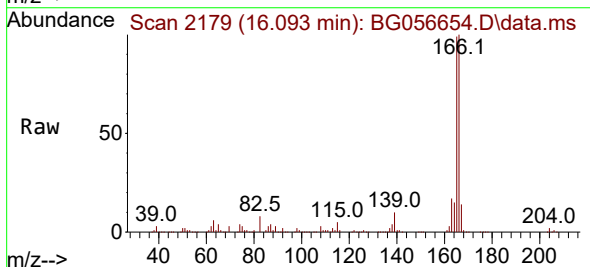
Instrument :
BNA_G
ClientSampleId :
SSTD160412

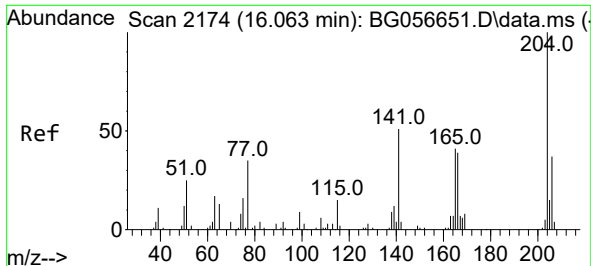
Tgt Ion:149 Resp: 720292
Ion Ratio Lower Upper
149 100
177 23.8 18.5 27.7
150 13.3 10.2 15.2



#61
Fluorene
Concen: 150.978 ng/ul
RT: 16.093 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:166 Resp: 704674
Ion Ratio Lower Upper
166 100
165 98.8 80.6 120.8
167 14.4 11.0 16.4

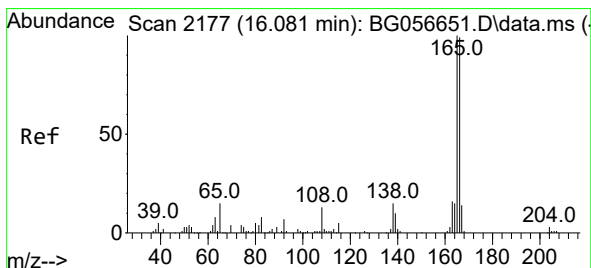
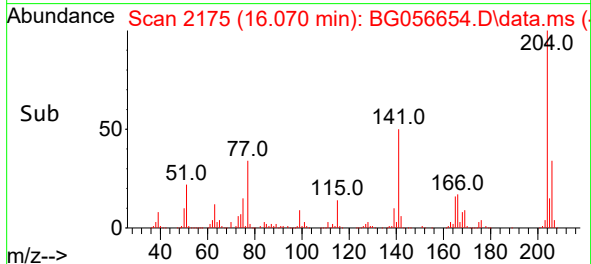
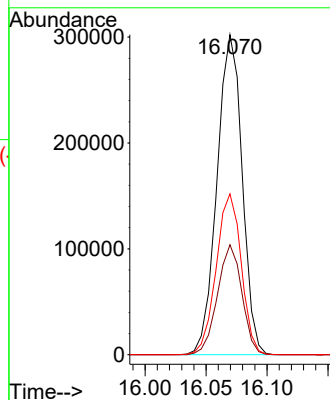
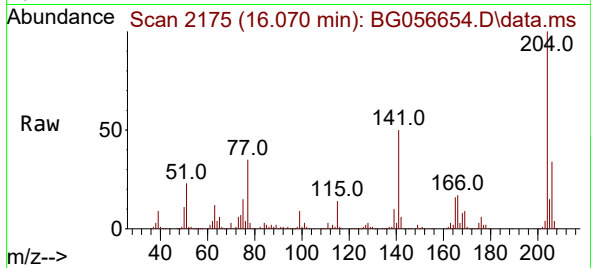




#62
4-Chlorophenyl-phenylether
Concen: 148.744 ng/ul
RT: 16.070 min Scan# 2175
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

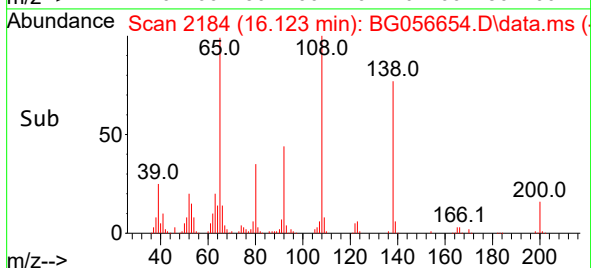
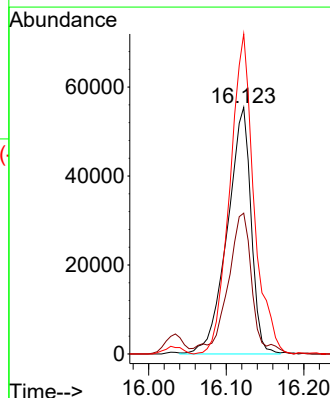
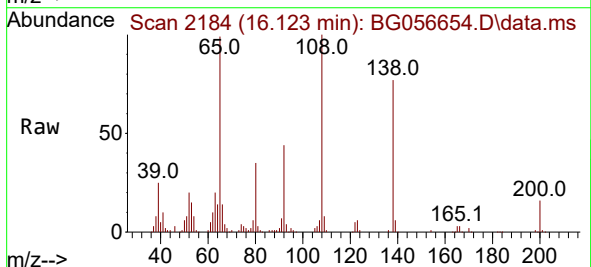
Instrument :
BNA_G
ClientSampleId :
SSTD160412

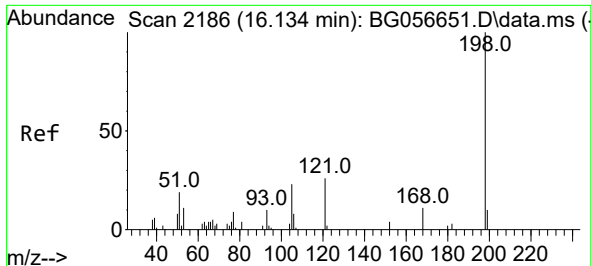
Tgt Ion:204 Resp: 434101
Ion Ratio Lower Upper
204 100
206 34.4 29.7 44.5
141 50.3 40.9 61.3



#63
4-Nitroaniline
Concen: 168.385 ng/ul
RT: 16.123 min Scan# 2184
Delta R.T. 0.042 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:138 Resp: 117889
Ion Ratio Lower Upper
138 100
92 57.1 35.9 53.9#
108 129.8 67.1 100.7#

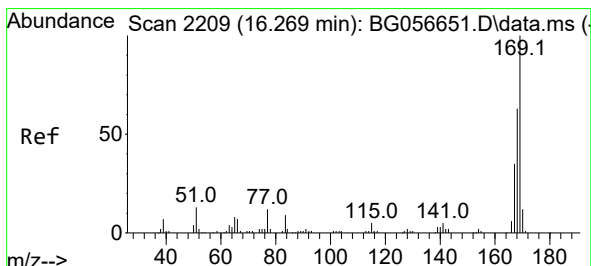
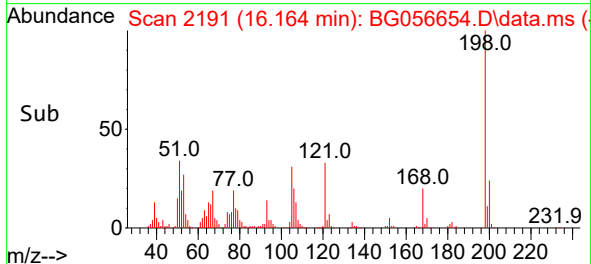
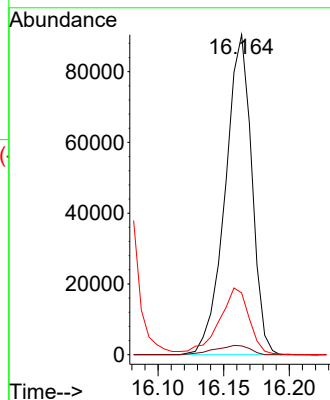
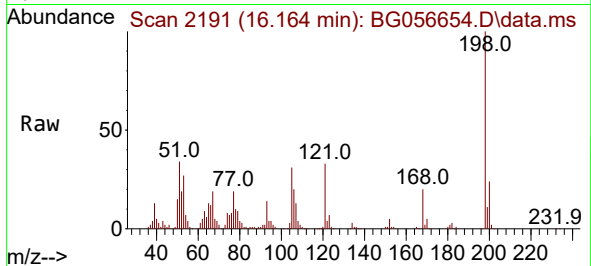




#66
4,6-Dinitro-2-methylphenol
Concen: 132.436 ng/ul
RT: 16.164 min Scan# 2186
Delta R.T. 0.030 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

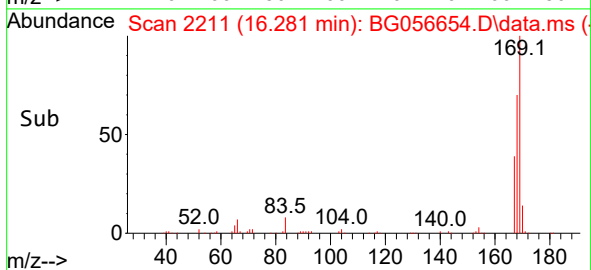
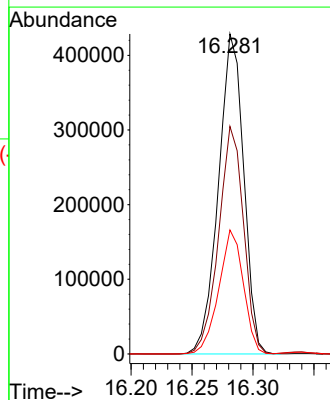
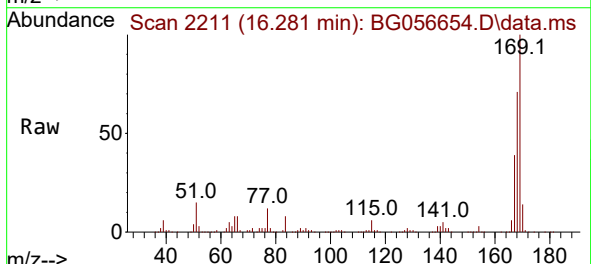
Instrument :
BNA_G
ClientSampleId :
SSTD160412

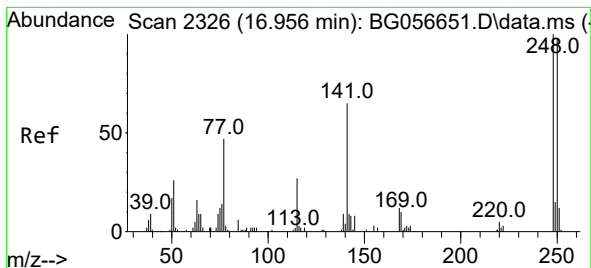
Tgt Ion:198 Resp: 127030
Ion Ratio Lower Upper
198 100
182 2.8 2.2 3.2
77 19.3 9.9 14.9#



#67
N-Nitrosodiphenylamine
Concen: 161.881 ng/ul
RT: 16.281 min Scan# 2211
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:169 Resp: 617875
Ion Ratio Lower Upper
169 100
168 71.1 50.6 75.8
167 38.8 27.9 41.9

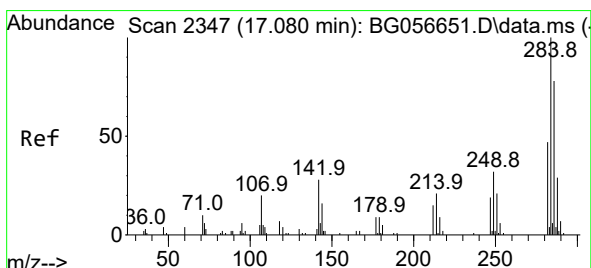
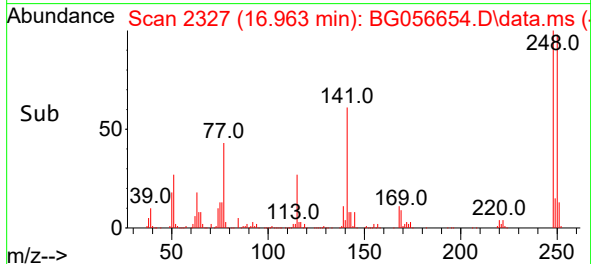
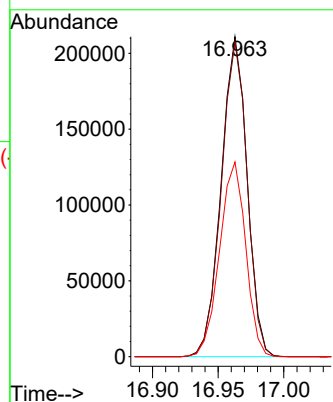
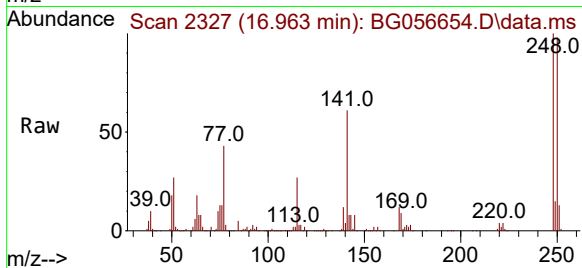




#68
4-Bromophenyl-phenylether
Concen: 157.951 ng/ul
RT: 16.963 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

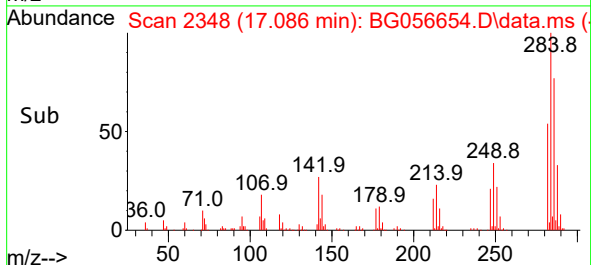
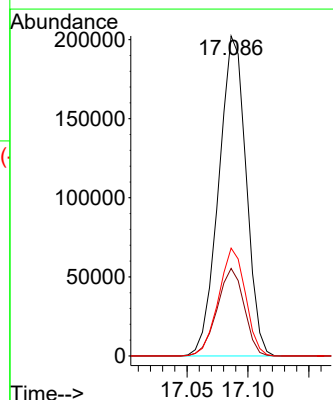
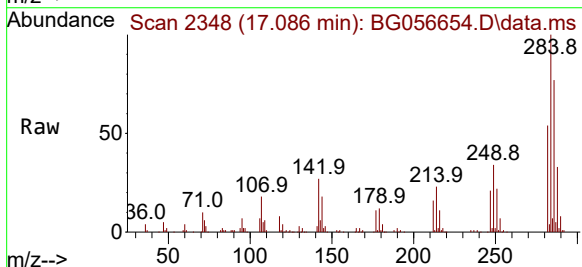
Instrument :
BNA_G
ClientSampleId :
SSTD160412

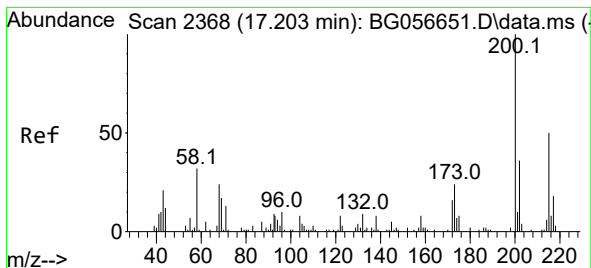
Tgt Ion:248 Resp: 289791
Ion Ratio Lower Upper
248 100
250 98.3 78.1 117.1
141 60.8 52.1 78.1



#69
Hexachlorobenzene
Concen: 173.895 ng/ul
RT: 17.086 min Scan# 2348
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:284 Resp: 315909
Ion Ratio Lower Upper
284 100
142 27.3 22.1 33.1
249 33.7 26.0 39.0





#70

Atrazine

Concen: 143.776 ng/ul

RT: 17.221 min Scan# 21

Delta R.T. 0.018 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

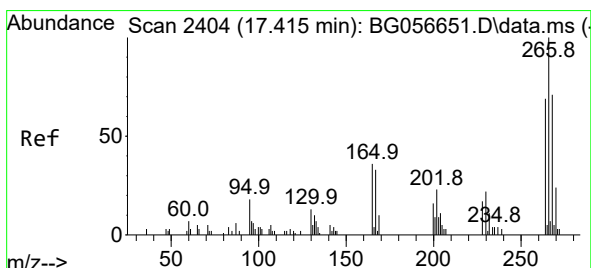
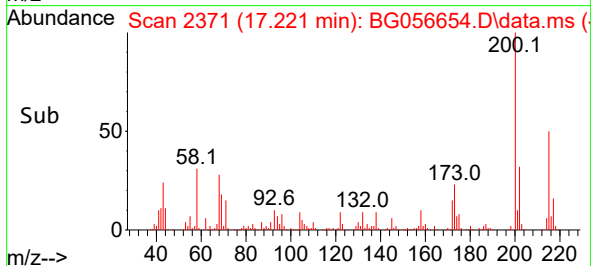
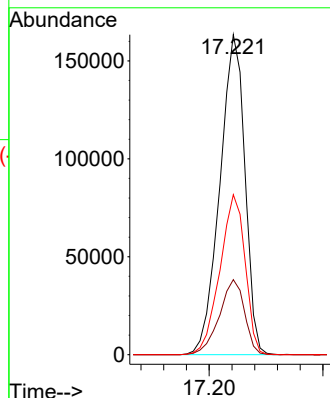
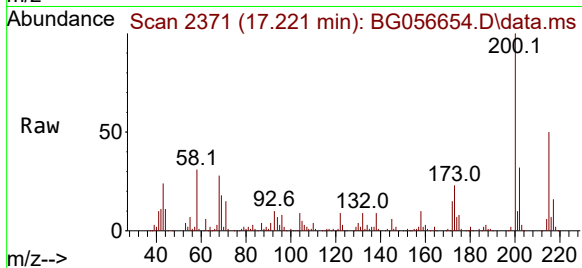
Tgt Ion:200 Resp: 250141

Ion Ratio Lower Upper

200 100

173 23.5 18.9 28.3

215 50.0 40.2 60.2



#71

Pentachlorophenol

Concen: 165.262 ng/ul

RT: 17.421 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

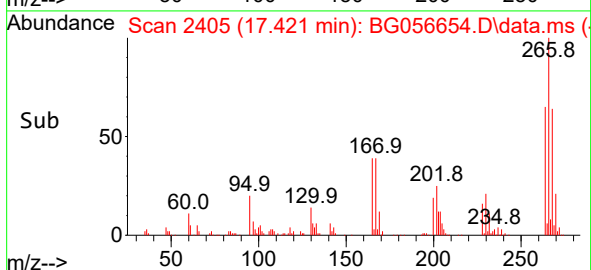
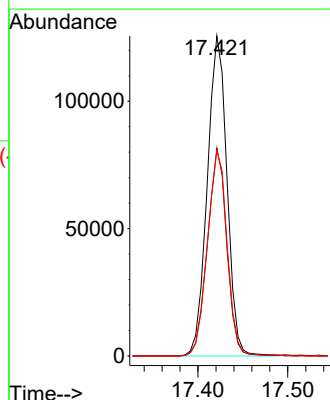
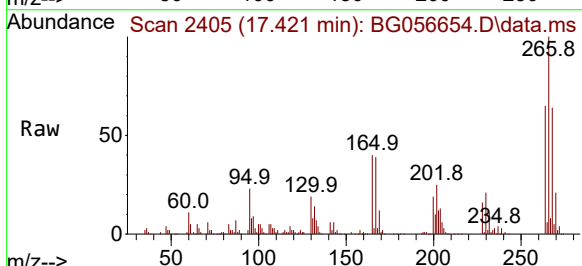
Tgt Ion:266 Resp: 191492

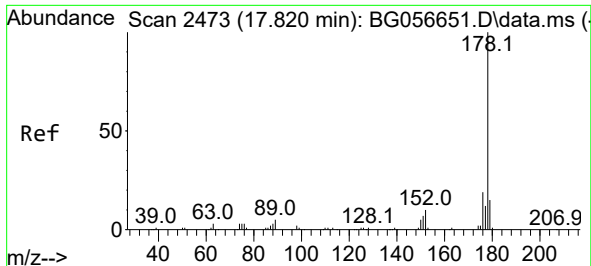
Ion Ratio Lower Upper

266 100

264 64.9 55.5 83.3

268 64.1 56.6 85.0

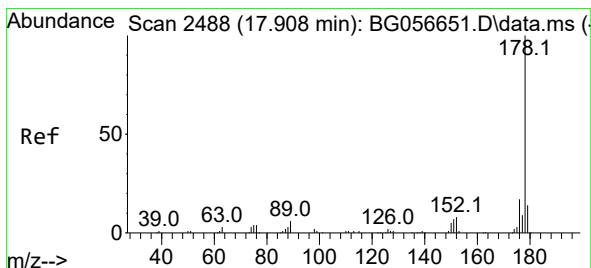
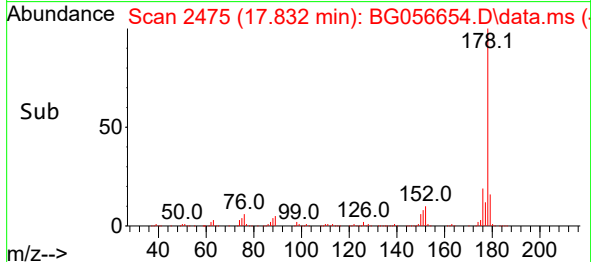
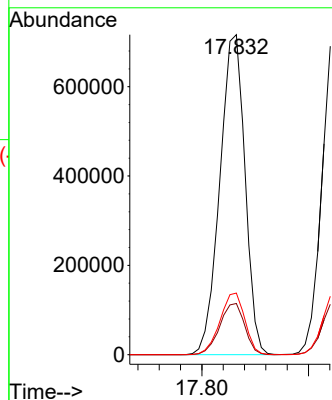
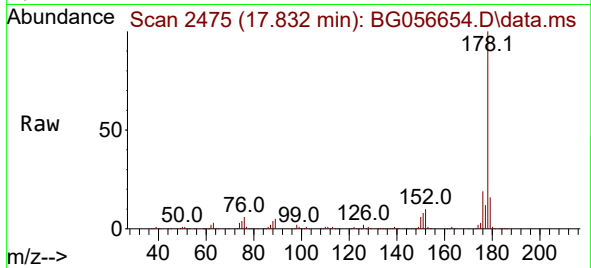




#72
Phenanthrene
Concen: 160.755 ng/ul
RT: 17.832 min Scan# 2475
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

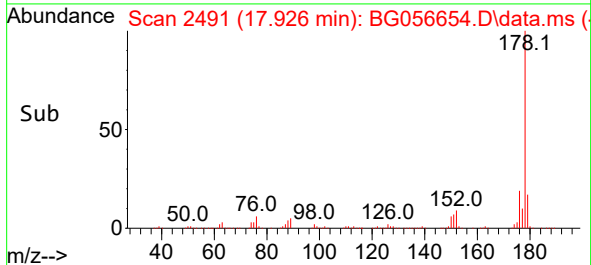
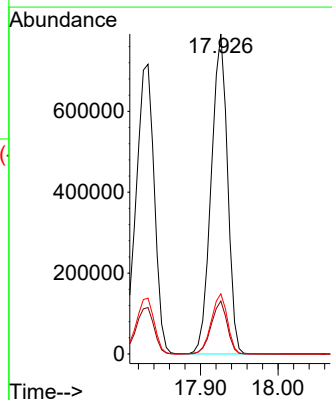
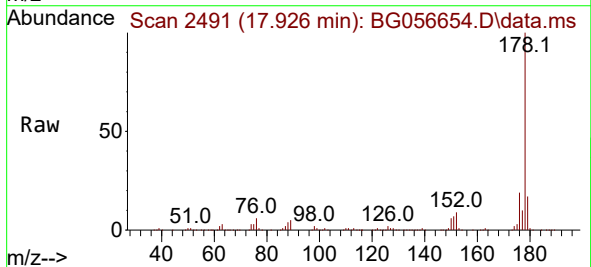
Instrument :
BNA_G
ClientSampleId :
SSTD160412

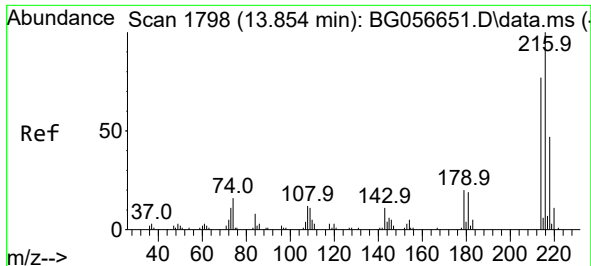
Tgt Ion:178 Resp: 1172297
Ion Ratio Lower Upper
178 100
179 16.0 11.8 17.8
176 19.3 15.2 22.8



#74
Anthracene
Concen: 156.232 ng/ul
RT: 17.926 min Scan# 2491
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:178 Resp: 1156702
Ion Ratio Lower Upper
178 100
179 16.5 11.6 17.4
176 18.8 13.4 20.0

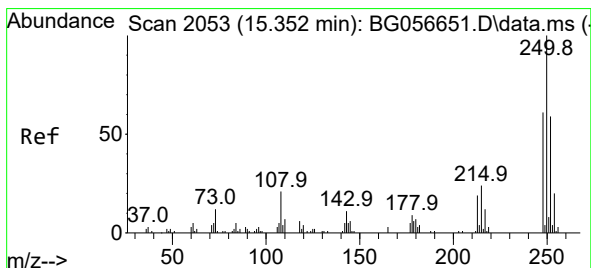
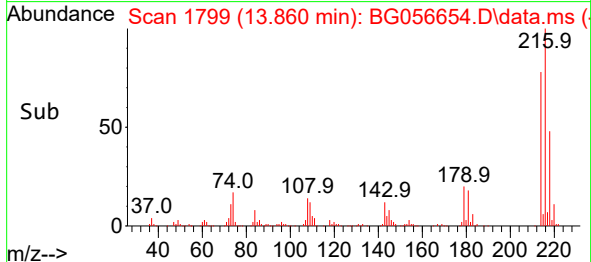
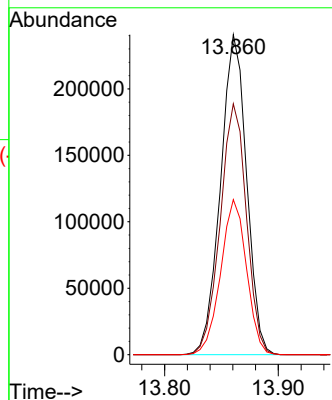
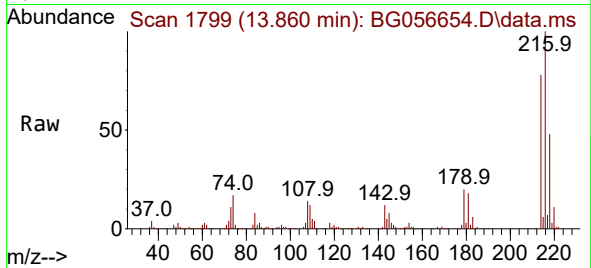




#75
1,2,3,4-Tetrachlorobenzene
Concen: 178.094 ng/uL
RT: 13.860 min Scan# 1798
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

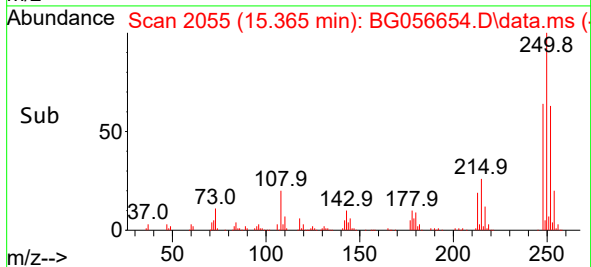
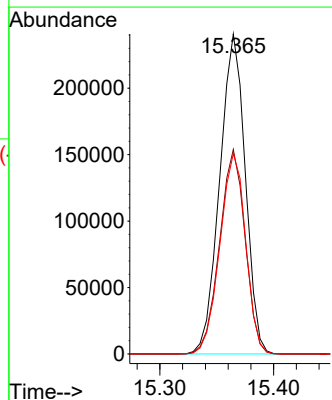
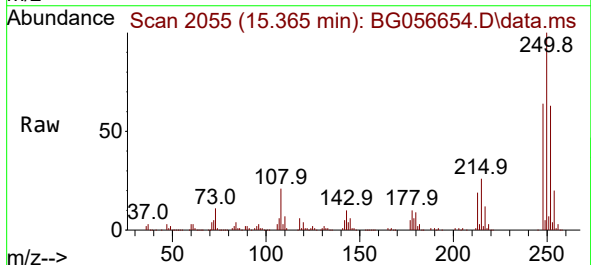
Instrument :
BNA_G
ClientSampleId :
SSTD160412

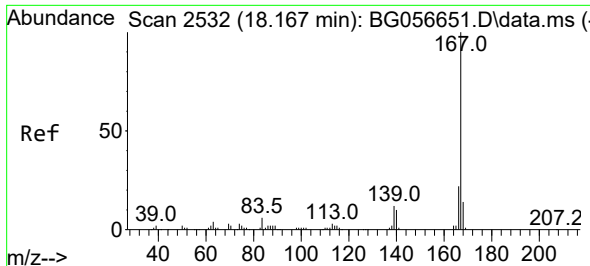
Tgt Ion:216 Resp: 383923
Ion Ratio Lower Upper
216 100
214 78.4 61.8 92.6
218 48.5 37.7 56.5



#76
Pentachlorobenzene
Concen: 170.367 ng/uL
RT: 15.365 min Scan# 2055
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:250 Resp: 375778
Ion Ratio Lower Upper
250 100
248 63.9 48.6 73.0
252 62.6 47.2 70.8

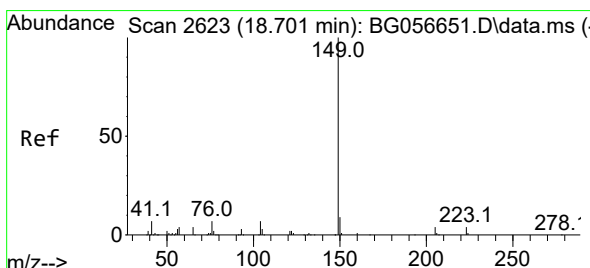
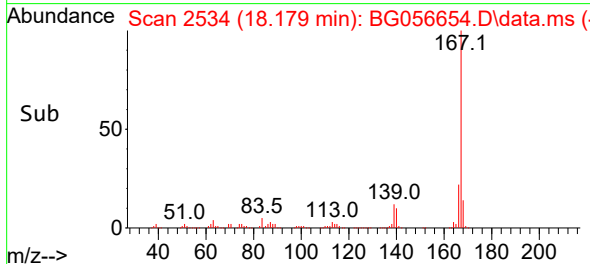
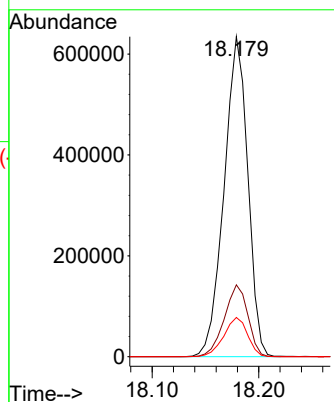
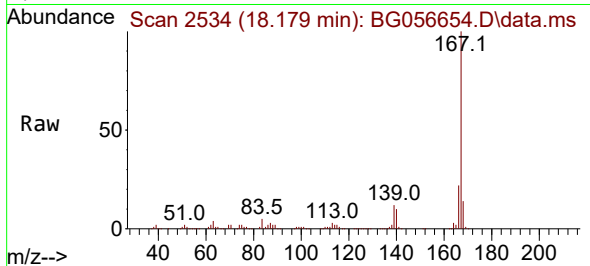




#77
 Carbazole
 Concen: 161.138 ng/ul
 RT: 18.179 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BG056654.D
 Acq: 16 Feb 2023 14:17

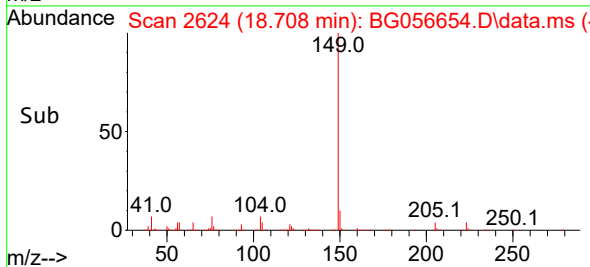
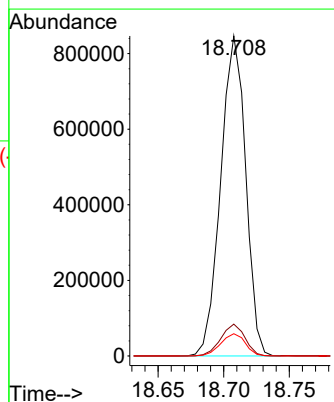
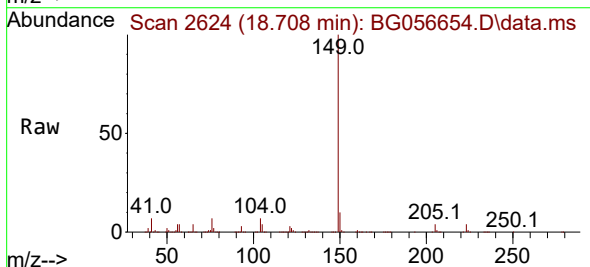
Instrument :
 BNA_G
 ClientSampleId :
 SSTD160412

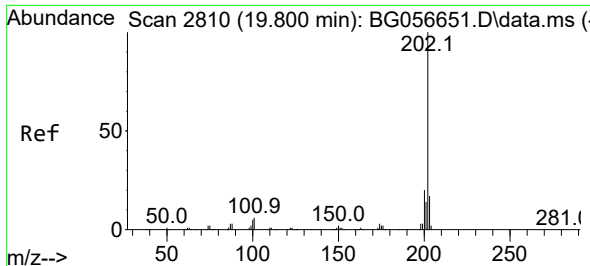
Tgt Ion:167 Resp: 979328
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.5 26.3
 139 12.3 9.7 14.5



#78
 Di-n-butylphthalate
 Concen: 174.859 ng/ul
 RT: 18.708 min Scan# 2624
 Delta R.T. 0.006 min
 Lab File: BG056654.D
 Acq: 16 Feb 2023 14:17

Tgt Ion:149 Resp: 1121385
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.0 10.4
 104 7.0 5.3 7.9

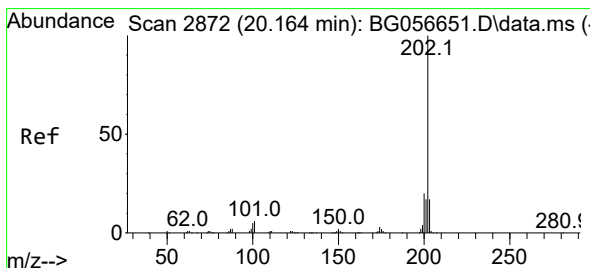
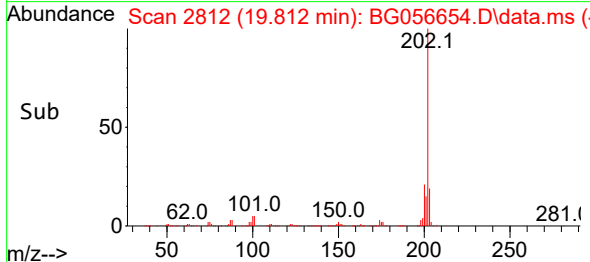
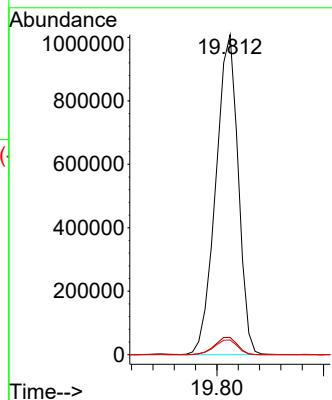
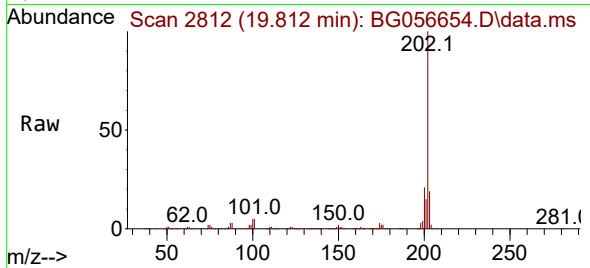




#80
Fluoranthene
Concen: 161.233 ng/ul
RT: 19.812 min Scan# 2812
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

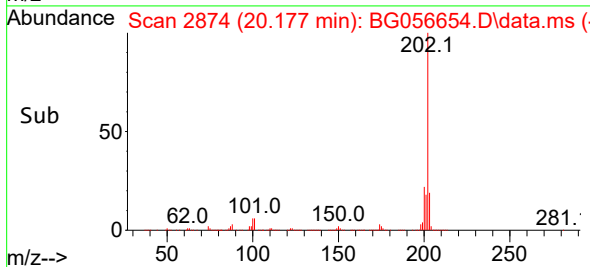
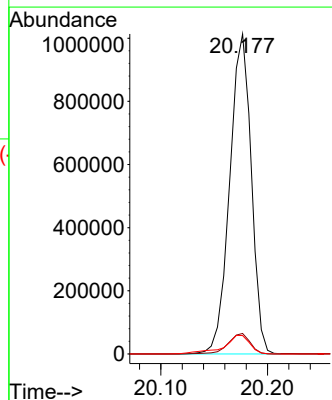
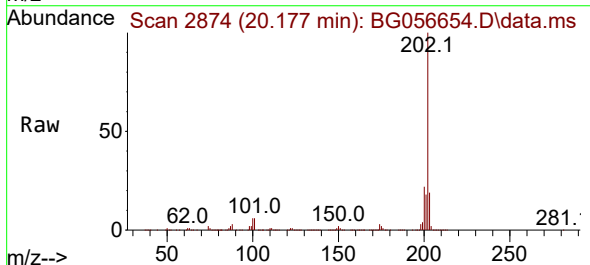
Instrument :
BNA_G
ClientSampleId :
SSTD160412

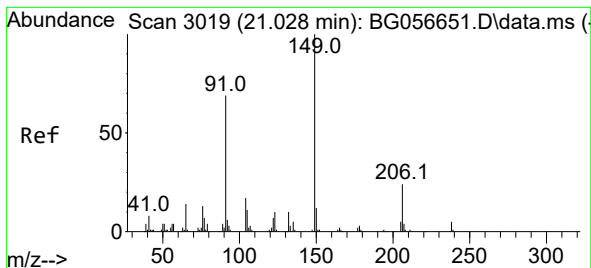
Tgt Ion:202 Resp: 1467270
Ion Ratio Lower Upper
202 100
101 5.4 4.4 6.6
100 4.6 3.8 5.8



#82
Pyrene
Concen: 156.411 ng/ul
RT: 20.177 min Scan# 2874
Delta R.T. 0.012 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:202 Resp: 1423541
Ion Ratio Lower Upper
202 100
101 6.4 4.6 6.8
100 5.8 4.0 6.0





#83

Butylbenzylphthalate

Concen: 193.824 ng/ul

RT: 21.034 min Scan# 3019

Delta R.T. 0.006 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

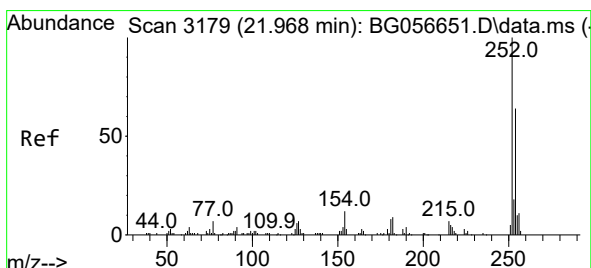
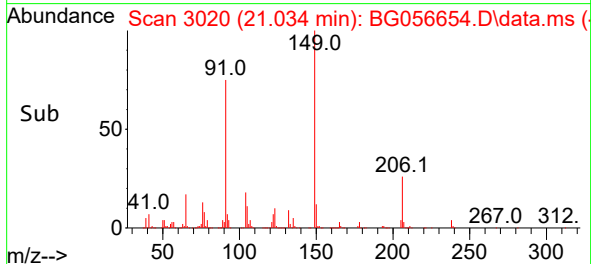
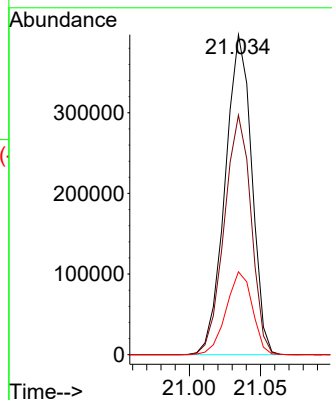
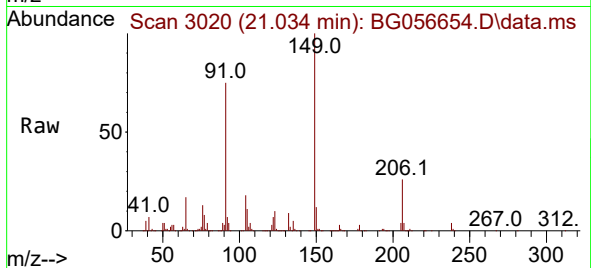
Tgt Ion:149 Resp: 517382

Ion Ratio Lower Upper

149 100

91 74.9 55.6 83.4

206 25.9 19.4 29.2



#84

3,3'-Dichlorobenzidine

Concen: 136.181 ng/ul

RT: 21.980 min Scan# 3181

Delta R.T. 0.012 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

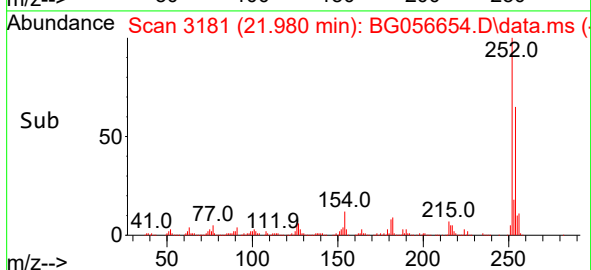
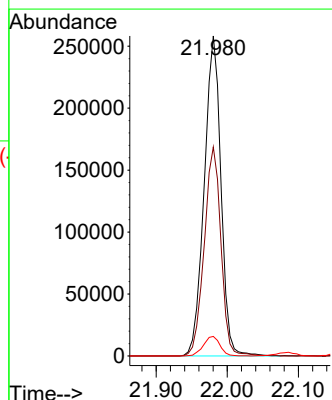
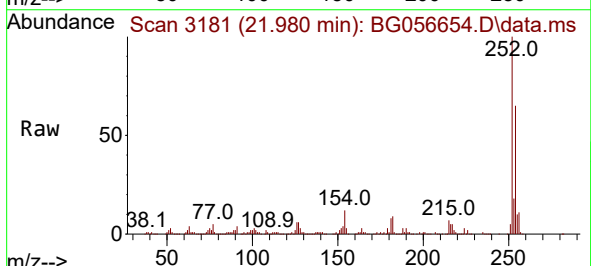
Tgt Ion:252 Resp: 423499

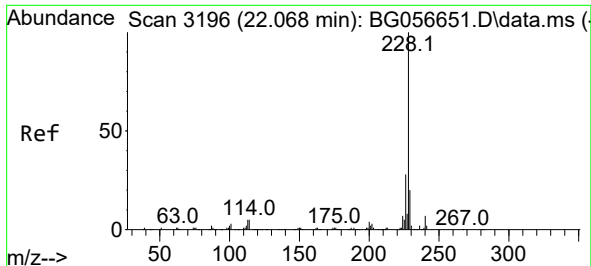
Ion Ratio Lower Upper

252 100

254 65.3 51.3 76.9

126 6.1 4.8 7.2

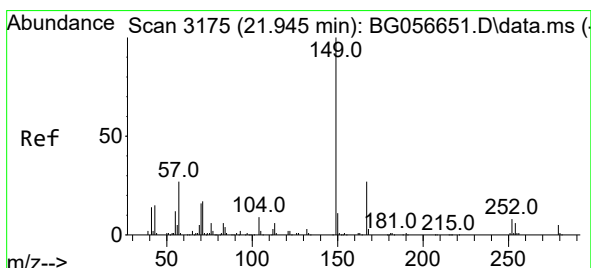
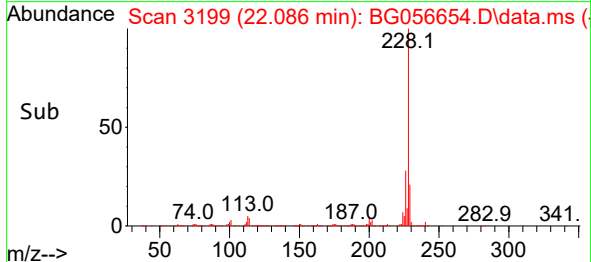
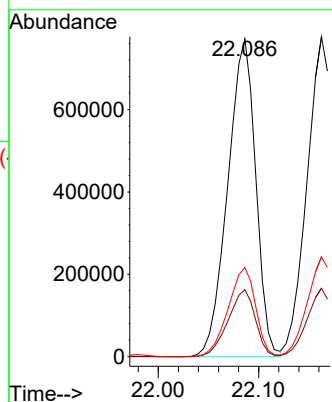
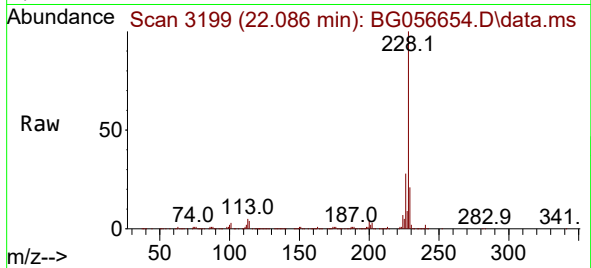




#85
Benzo(a)anthracene
Concen: 164.845 ng/ul
RT: 22.086 min Scan# 3199
Delta R.T. 0.018 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

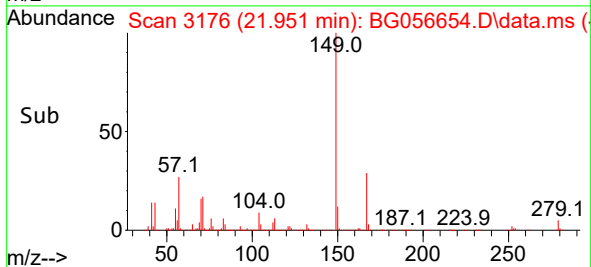
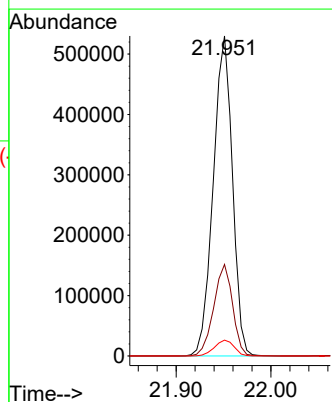
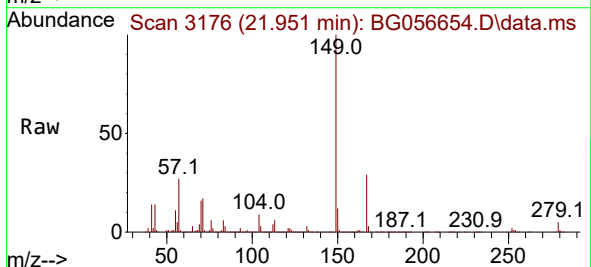
Instrument :
BNA_G
ClientSampleId :
SSTD160412

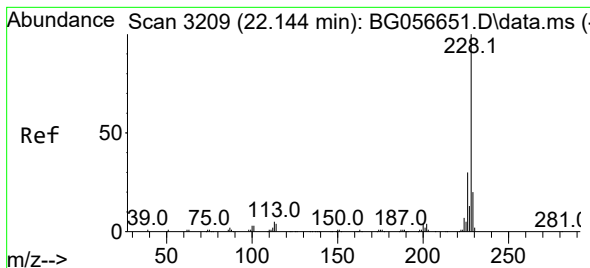
Tgt Ion:228 Resp: 1494989
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.1 22.4 33.6



#86
Bis(2-ethylhexyl)phthalate
Concen: 193.164 ng/ul
RT: 21.951 min Scan# 3176
Delta R.T. 0.006 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:149 Resp: 745568
Ion Ratio Lower Upper
149 100
167 28.6 21.6 32.4
279 4.9 4.0 6.0





#87

Chrysene

Concen: 163.473 ng/ul

RT: 22.163 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

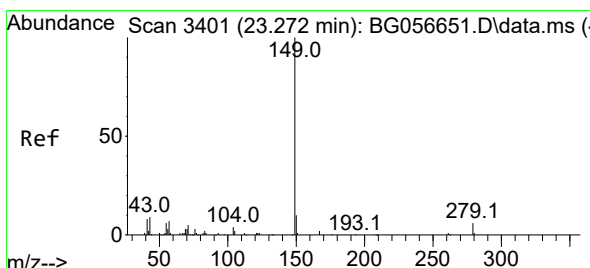
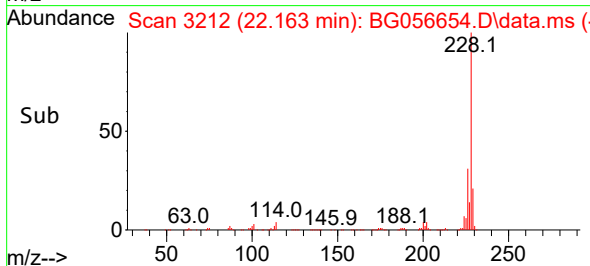
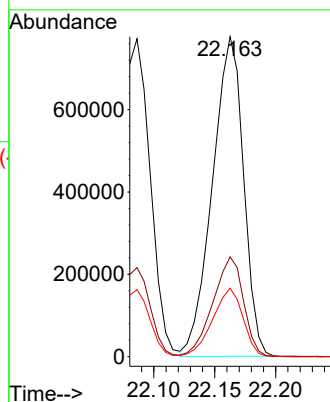
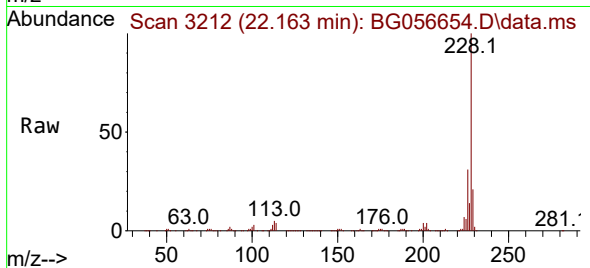
Tgt Ion:228 Resp: 1378617

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.8

229 21.4 16.1 24.1



#89

Di-n-octyl phthalate

Concen: 185.006 ng/ul

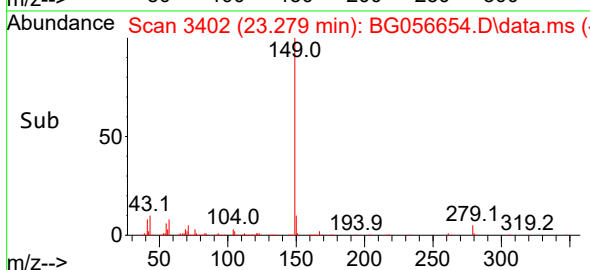
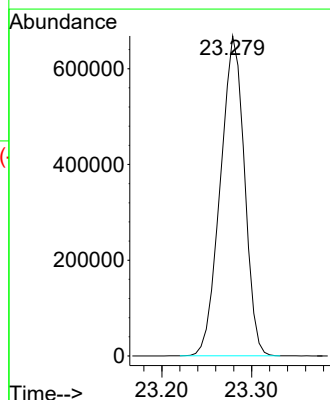
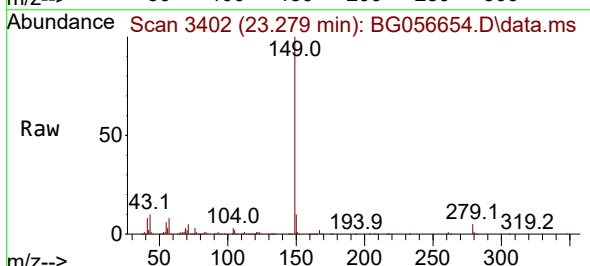
RT: 23.279 min Scan# 3402

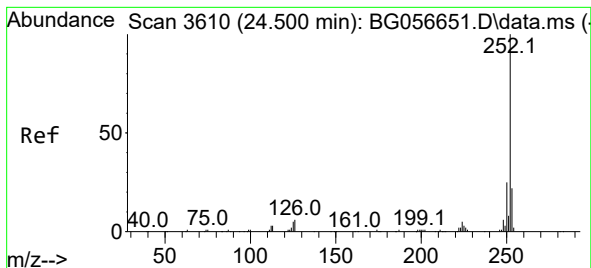
Delta R.T. 0.006 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Tgt Ion:149 Resp: 1243305





#90

Benzo(b)fluoranthene

Concen: 163.711 ng/ul

RT: 24.530 min Scan# 3615

Delta R.T. 0.030 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

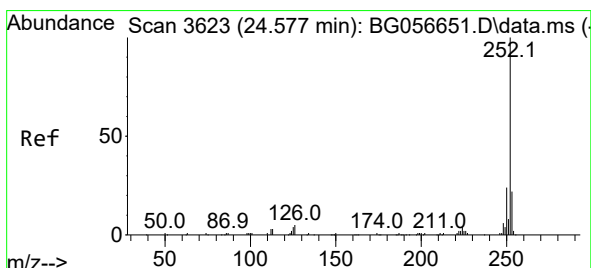
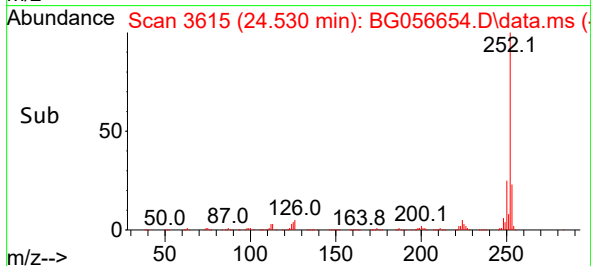
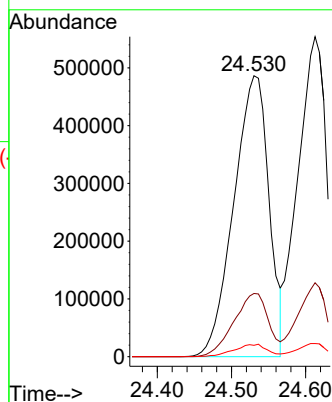
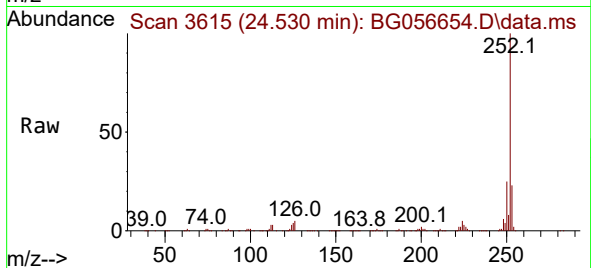
Tgt Ion:252 Resp: 1599906

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 4.0 3.8 5.6



#91

Benzo(k)fluoranthene

Concen: 155.568 ng/ul

RT: 24.613 min Scan# 3629

Delta R.T. 0.036 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

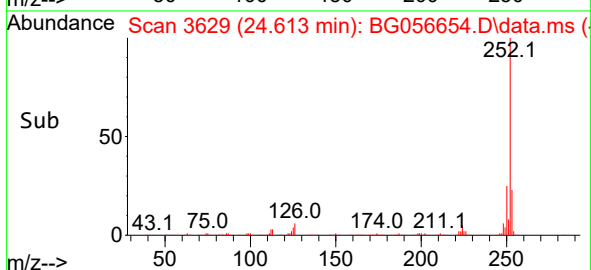
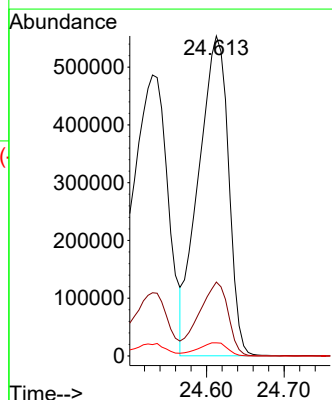
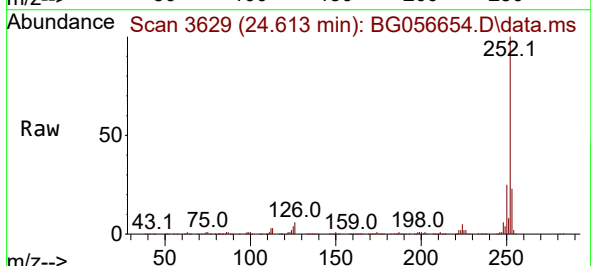
Tgt Ion:252 Resp: 1487613

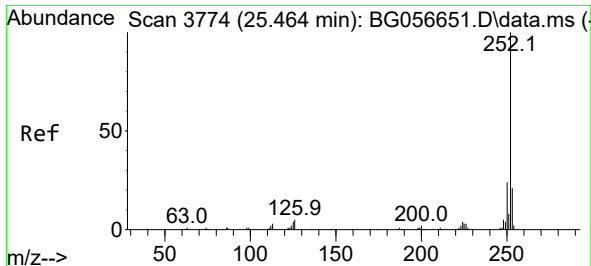
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 4.1 2.8 4.2

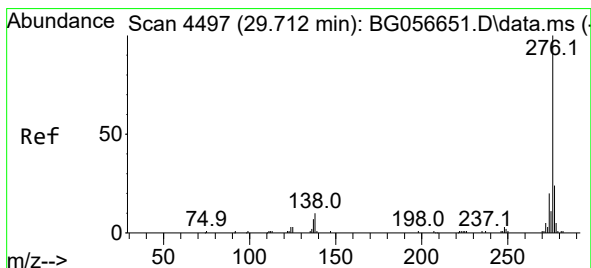
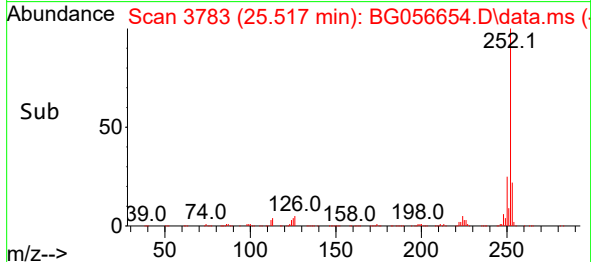
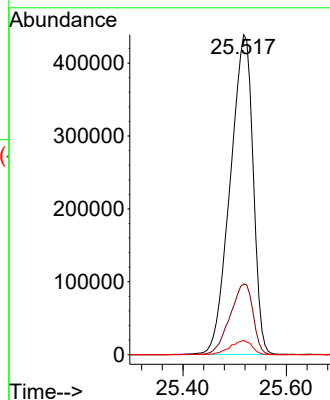
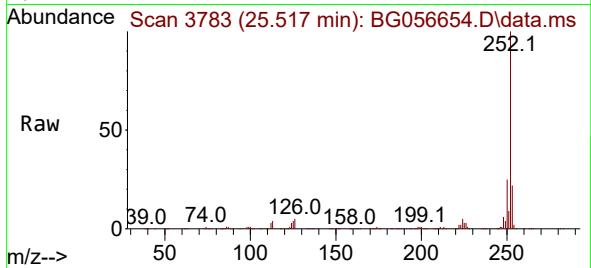




#93
Benzo(a)pyrene
Concen: 157.198 ng/ul
RT: 25.517 min Scan# 31
Delta R.T. 0.053 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

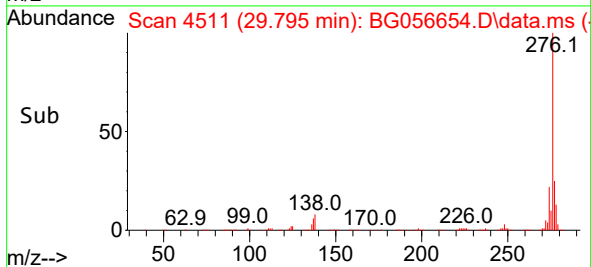
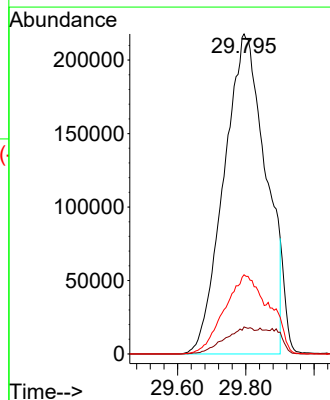
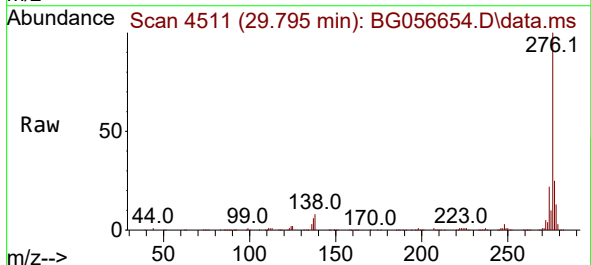
Instrument :
BNA_G
ClientSampleId :
SSTD160412

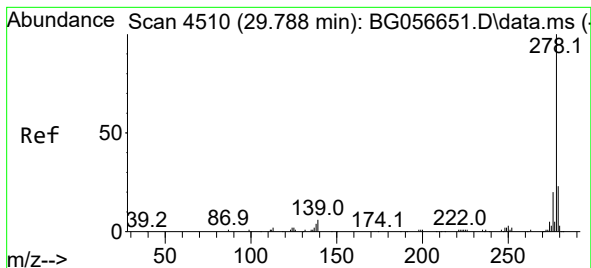
Tgt Ion:252 Resp: 1345004
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 4.5 3.5 5.3



#94
Indeno(1,2,3-cd)pyrene
Concen: 163.497 ng/ul
RT: 29.795 min Scan# 4511
Delta R.T. 0.083 min
Lab File: BG056654.D
Acq: 16 Feb 2023 14:17

Tgt Ion:276 Resp: 1840256
Ion Ratio Lower Upper
276 100
138 8.5 7.8 11.6
277 24.8 19.0 28.4





#95

Dibenzo(a,h)anthracene

Concen: 162.584 ng/ul

RT: 29.889 min Scan# 4

Delta R.T. 0.100 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Instrument :

BNA_G

ClientSampleId :

SSTD160412

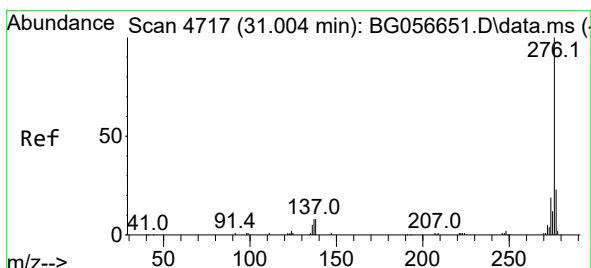
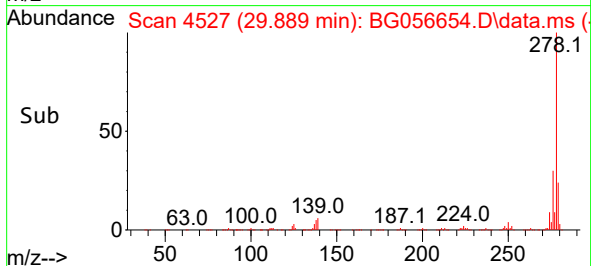
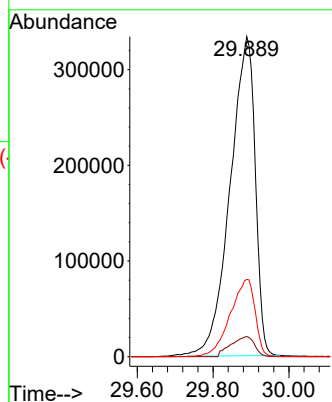
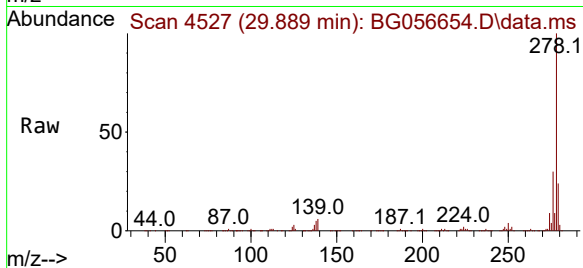
Tgt Ion:278 Resp: 1529354

Ion Ratio Lower Upper

278 100

139 6.3 5.1 7.7

279 24.2 18.3 27.5



#96

Benzo(g,h,i)perylene

Concen: 165.970 ng/ul

RT: 31.105 min Scan# 4734

Delta R.T. 0.100 min

Lab File: BG056654.D

Acq: 16 Feb 2023 14:17

Tgt Ion:276 Resp: 1510188

Ion Ratio Lower Upper

276 100

138 8.1 6.1 9.1

277 24.6 18.6 28.0

