

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057016.D
 Acq On : 6 Apr 2023 17:37
 Operator : CG/JU
 Sample : 02191-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11982MSD

Quant Time: Apr 07 01:38:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	14863	20.000	ng	0.00
21) Naphthalene-d8	11.250	136	59613	20.000	ng	0.00
39) Acenaphthene-d10	15.021	164	43448	20.000	ng	0.00
64) Phenanthrene-d10	17.759	188	98562	20.000	ng	0.00
76) Chrysene-d12	22.082	240	86331	20.000	ng	0.00
86) Perylene-d12	25.625	264	93822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	94135	101.365	ng	0.00
7) Phenol-d6	7.543	99	135412	97.492	ng	0.00
23) Nitrobenzene-d5	9.588	82	87676	60.180	ng	0.00
42) 2,4,6-Tribromophenol	16.502	330	67130	96.716	ng	0.00
45) 2-Fluorobiphenyl	13.647	172	202334	63.148	ng	0.00
79) Terphenyl-d14	20.326	244	317121	62.158	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.731	88	16715	41.059	ng	95
3) Pyridine	4.148	79	49404	37.678	ng	98
4) n-Nitrosodimethylamine	4.060	42	27519	45.648	ng	96
6) Aniline	7.725	93	66406	37.398	ng	96
8) 2-Chlorophenol	7.966	128	50193	54.262	ng	93
9) Benzaldehyde	7.532	77	35708	40.988	ng	93
10) Phenol	7.573	94	70550	51.262	ng	100
11) bis(2-Chloroethyl)ether	7.808	93	45732	46.649	ng	97
12) 1,3-Dichlorobenzene	8.301	146	55263	54.068	ng	98
13) 1,4-Dichlorobenzene	8.448	146	56131	54.413	ng	97
14) 1,2-Dichlorobenzene	8.771	146	53516	53.697	ng	98
15) Benzyl Alcohol	8.642	79	56215	48.709	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.930	45	55133	46.664	ng	98
17) 2-Methylphenol	8.841	107	47560	48.437	ng	90
18) Hexachloroethane	9.511	117	20192	53.554	ng	94
19) n-Nitroso-di-n-propyla...	9.212	70	43800	44.088	ng	94
20) 3+4-Methylphenols	9.170	107	63937	46.567	ng	100
22) Acetophenone	9.241	105	81572	45.986	ng	# 99
24) Nitrobenzene	9.635	77	70014	47.004	ng	97
25) Isophorone	10.152	82	115923	41.784	ng	98
26) 2-Nitrophenol	10.351	139	28693	49.906	ng	94
27) 2,4-Dimethylphenol	10.392	122	50007	49.263	ng	99
28) bis(2-Chloroethoxy)met...	10.627	93	61738	44.450	ng	96
29) 2,4-Dichlorophenol	10.886	162	54855	50.247	ng	97
30) 1,2,4-Trichlorobenzene	11.109	180	59850	51.596	ng	100
31) Naphthalene	11.303	128	156600	48.195	ng	99
32) Benzoic acid	10.533	122	33272	47.716	ng	93
33) 4-Chloroaniline	11.403	127	44519	30.336	ng	98
34) Hexachlorobutadiene	11.573	225	44261	50.797	ng	97
35) Caprolactam	12.172	113	11649	30.941	ng	98
36) 4-Chloro-3-methylphenol	12.490	107	56990	46.680	ng	95
37) 2-Methylnaphthalene	12.877	142	114769	44.504	ng	98
38) 1-Methylnaphthalene	13.095	142	105296	43.483	ng	98
40) 1,2,4,5-Tetrachloroben...	13.236	216	79375	52.683	ng	99
41) Hexachlorocyclopentadiene	13.212	237	86158	103.789	ng	96
43) 2,4,6-Trichlorophenol	13.465	196	49236	51.210	ng	96

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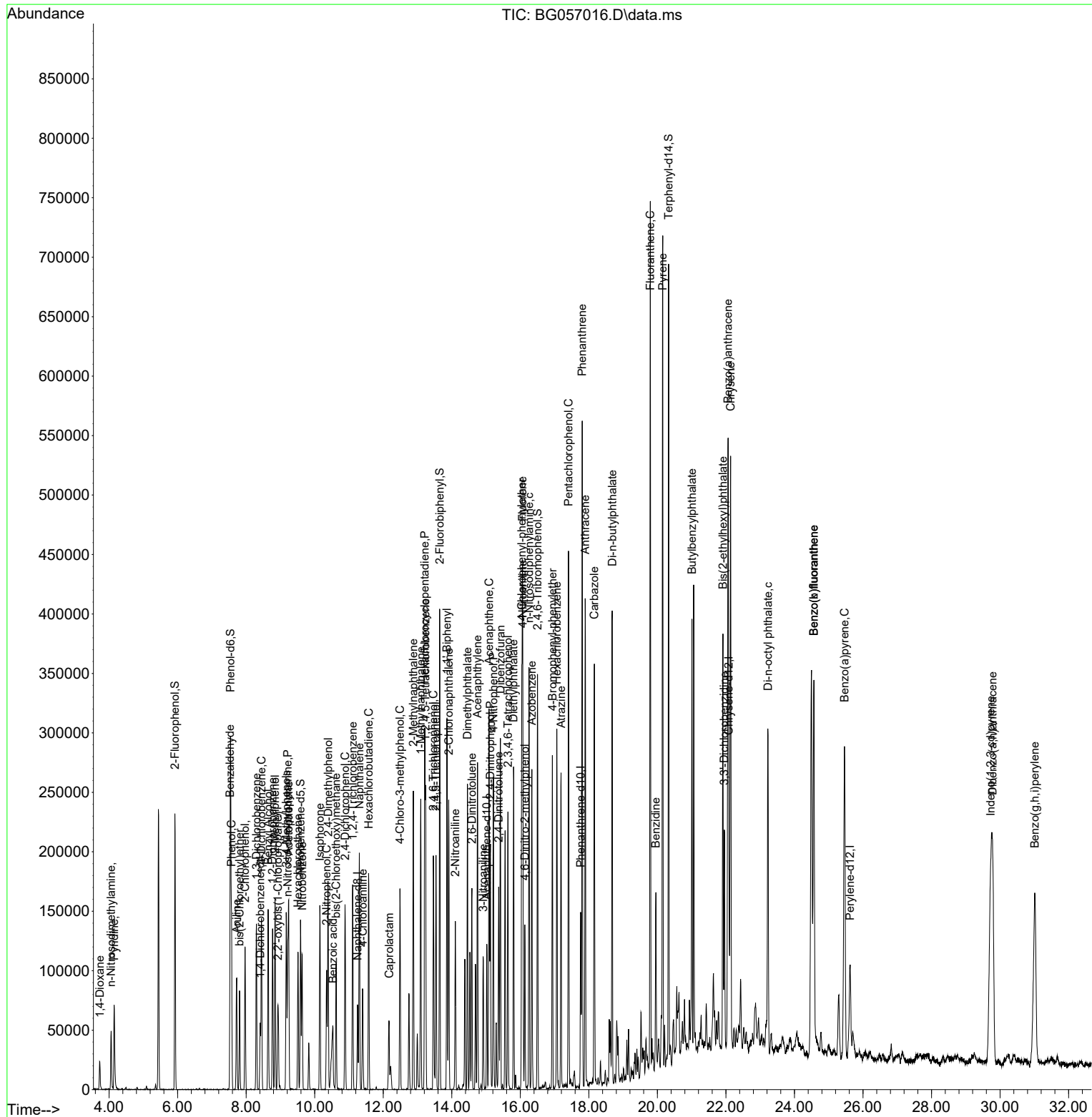
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.541	196	54237	47.618	ng	96
46) 1,1'-Biphenyl	13.858	154	161405	50.748	ng	99
47) 2-Chloronaphthalene	13.911	162	120577	51.259	ng	97
48) 2-Nitroaniline	14.105	65	39645	47.134	ng	98
49) Acenaphthylene	14.751	152	191257	49.486	ng	100
50) Dimethylphthalate	14.457	163	154774	45.211	ng	# 98
51) 2,6-Dinitrotoluene	14.587	165	34845	47.110	ng	94
52) Acenaphthene	15.086	154	128507	48.211	ng	99
53) 3-Nitroaniline	14.916	138	27266	37.242	ng	91
54) 2,4-Dinitrophenol	15.127	184	45667	109.690	ng	# 85
55) Dibenzofuran	15.421	168	193071	48.260	ng	98
56) 4-Nitrophenol	15.215	139	57216	105.685	ng	92
57) 2,4-Dinitrotoluene	15.368	165	48369	46.366	ng	# 95
58) Fluorene	16.061	166	161167	48.684	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.638	232	51004	49.182	ng	# 99
60) Diethylphthalate	15.803	149	152643	44.477	ng	98
61) 4-Chlorophenyl-phenyle...	16.044	204	88383	45.472	ng	100
62) 4-Nitroaniline	16.073	138	33500	44.164	ng	99
63) Azobenzene	16.337	77	156773	45.837	ng	96
65) 4,6-Dinitro-2-methylph...	16.132	198	33069	55.398	ng	97
66) n-Nitrosodiphenylamine	16.255	169	134100	50.684	ng	95
67) 4-Bromophenyl-phenylether	16.936	248	60097	49.279	ng	90
68) Hexachlorobenzene	17.066	284	65138	54.025	ng	98
69) Atrazine	17.189	200	57141	52.027	ng	97
70) Pentachlorophenol	17.406	266	86265	99.731	ng	99
71) Phenanthrene	17.806	178	349985	69.647	ng	100
72) Anthracene	17.894	178	257740	50.033	ng	99
73) Carbazole	18.158	167	226217	50.367	ng	96
74) Di-n-butylphthalate	18.681	149	243686	46.854	ng	98
75) Fluoranthene	19.791	202	455664	71.531	ng	99
77) Benzidine	19.956	184	83428	35.355	ng	96
78) Pyrene	20.156	202	455314	76.253	ng	99
80) Butylbenzylphthalate	21.007	149	98487	47.931	ng	96
81) Benzo(a)anthracene	22.059	228	359627	60.198	ng	98
82) 3,3'-Dichlorobenzidine	21.953	252	72662	36.019	ng	97
83) Chrysene	22.135	228	351460	62.832	ng	96
84) Bis(2-ethylhexyl)phtha...	21.912	149	143390	48.192	ng	96
85) Di-n-octyl phthalate	23.228	149	238607	47.588	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.725	276	399100	57.558	ng	# 96
88) Benzo(b)fluoranthene	24.567	252	324261	55.269	ng	99
89) Benzo(k)fluoranthene	24.567	252	324261	55.361	ng	97
90) Benzo(a)pyrene	25.460	252	336582	58.381	ng	97
91) Dibenzo(a,h)anthracene	29.778	278	294355	51.645	ng	98
92) Benzo(g,h,i)perylene	31.011	276	331680	59.431	ng	99

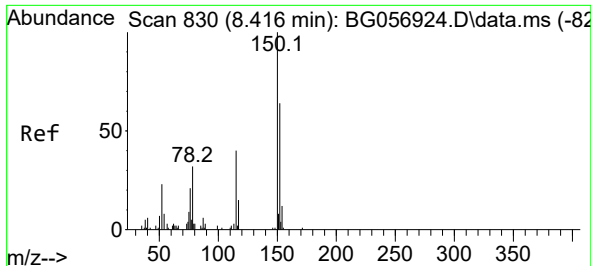
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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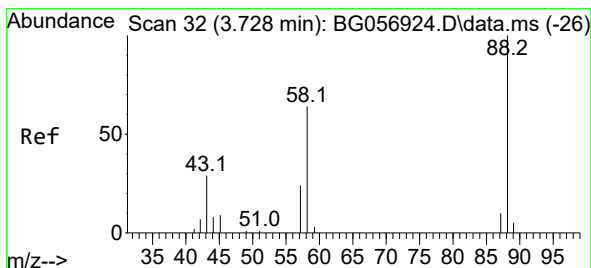
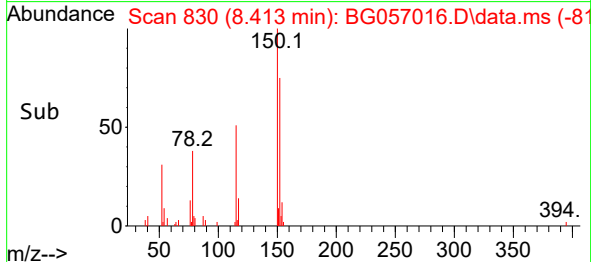
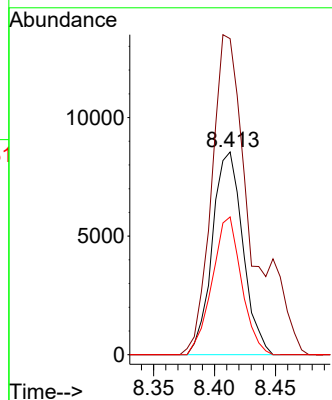
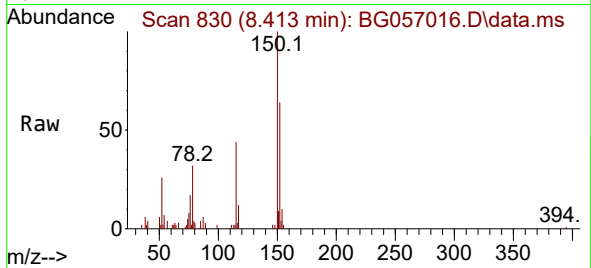




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.413 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG057016.D
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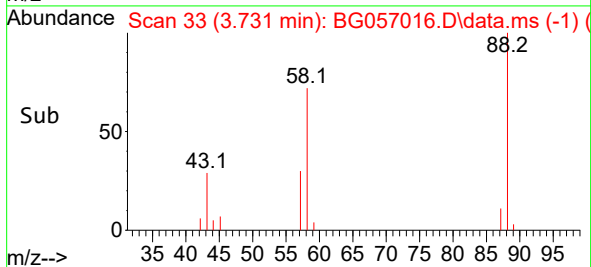
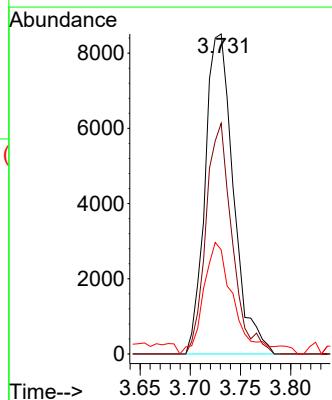
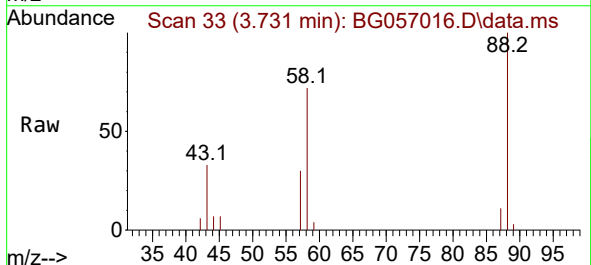
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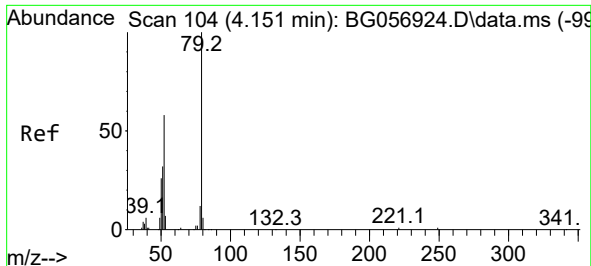
Tgt Ion:152 Resp: 14863
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.1 186.1
 115 67.9 49.1 73.7



#2
 1,4-Dioxane
 Concen: 41.059 ng
 RT: 3.731 min Scan# 33
 Delta R.T. 0.005 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

Tgt Ion: 88 Resp: 16715
 Ion Ratio Lower Upper
 88 100
 58 66.5 55.9 83.9
 43 36.3 25.7 38.5

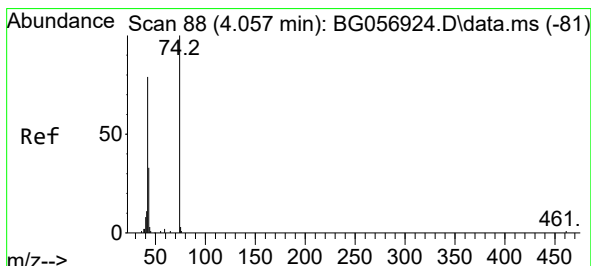
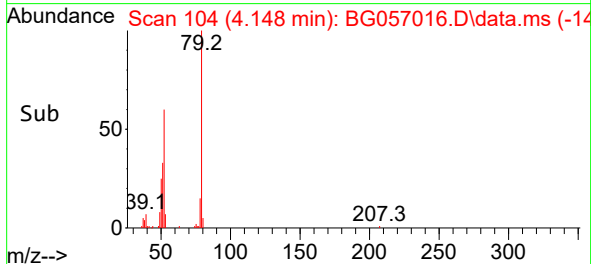
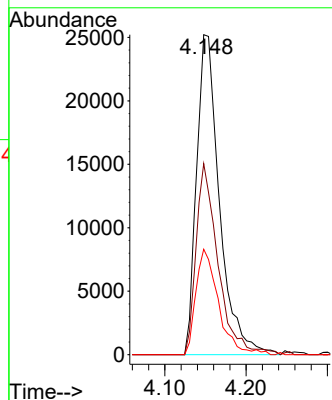
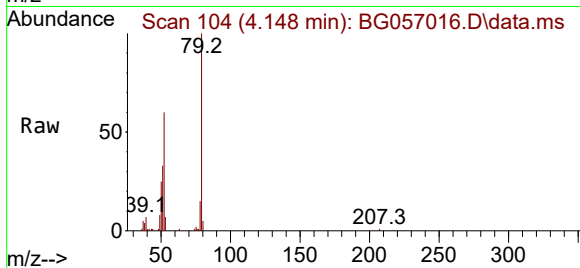




#3
 Pyridine
 Concen: 37.678 ng
 RT: 4.148 min Scan# 104
 Delta R.T. -0.000 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

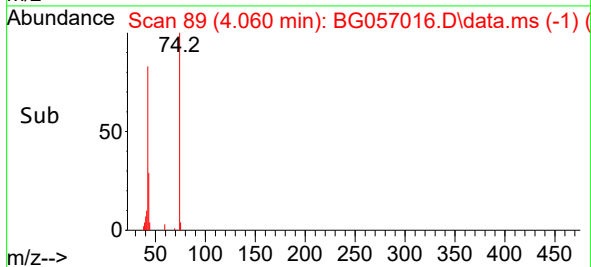
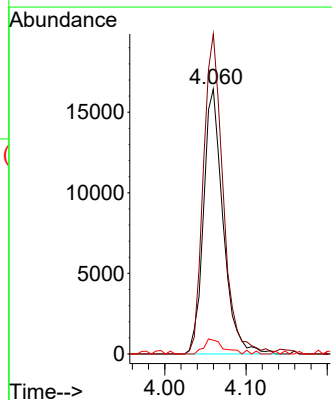
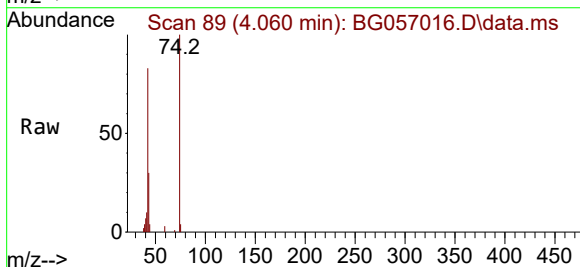
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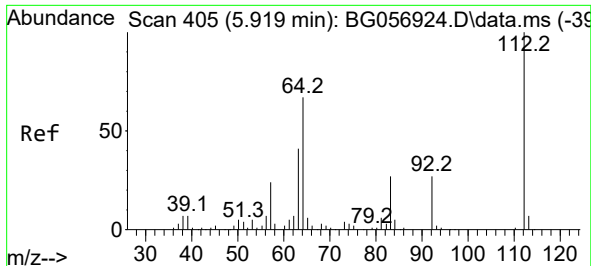
Tgt Ion: 79 Resp: 49404
 Ion Ratio Lower Upper
 79 100
 52 59.7 46.1 69.1
 51 33.0 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 45.648 ng
 RT: 4.060 min Scan# 89
 Delta R.T. 0.005 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

Tgt Ion: 42 Resp: 27519
 Ion Ratio Lower Upper
 42 100
 74 120.8 100.6 151.0
 44 5.2 4.6 7.0

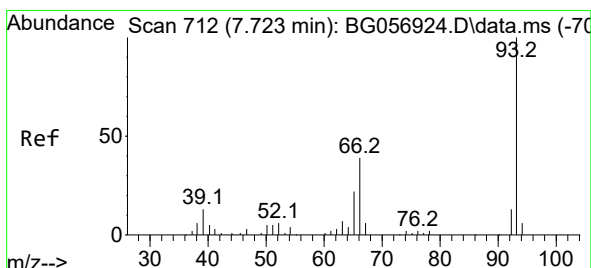
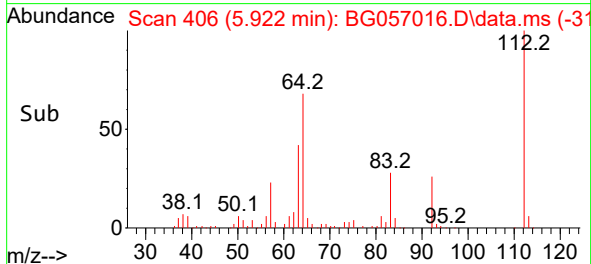
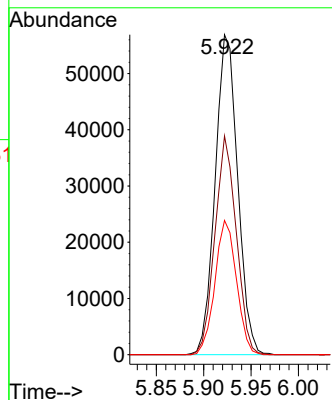
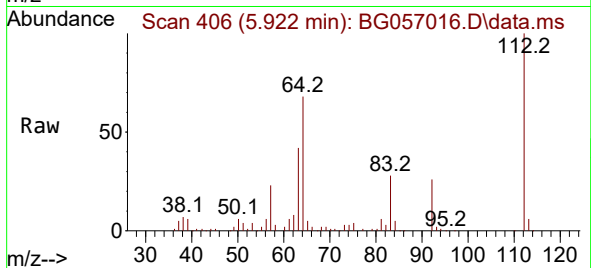




#5
2-Fluorophenol
Concen: 101.365 ng
RT: 5.922 min Scan# 406
Delta R.T. 0.005 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

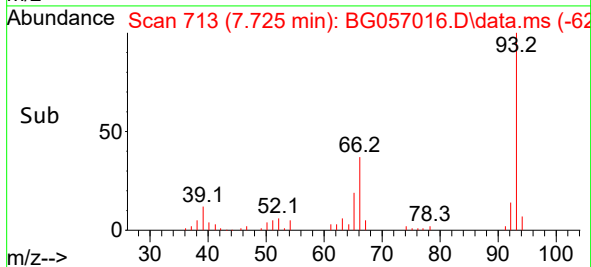
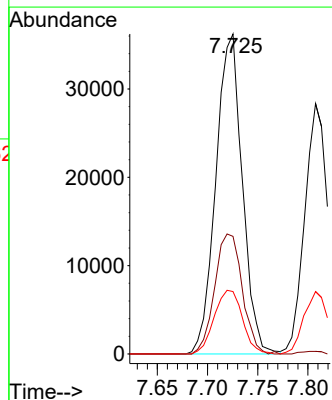
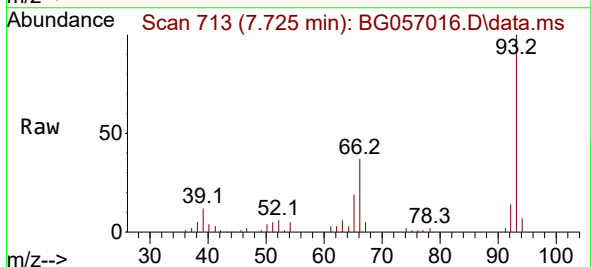
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ClientSampleId :
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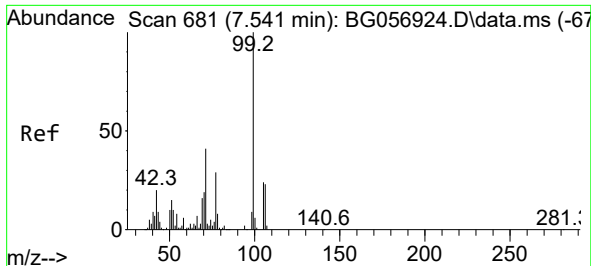
Tgt Ion:112 Resp: 94135
Ion Ratio Lower Upper
112 100
64 68.4 53.2 79.8
63 42.0 32.6 48.8



#6
Aniline
Concen: 37.398 ng
RT: 7.725 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 93 Resp: 66406
Ion Ratio Lower Upper
93 100
66 36.7 31.4 47.0
65 19.5 17.3 25.9

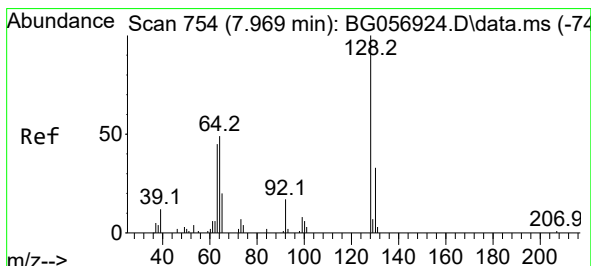
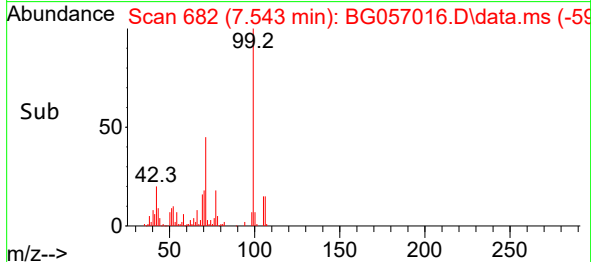
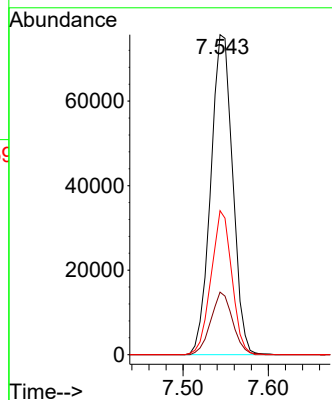
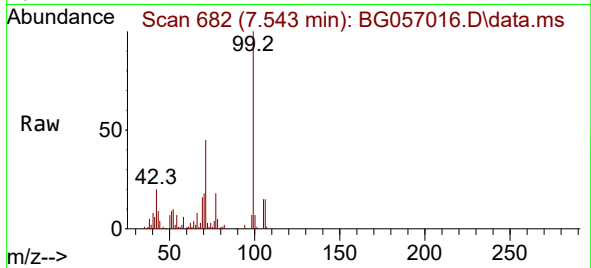




#7
Phenol-d6
Concen: 97.492 ng
RT: 7.543 min Scan# 681
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

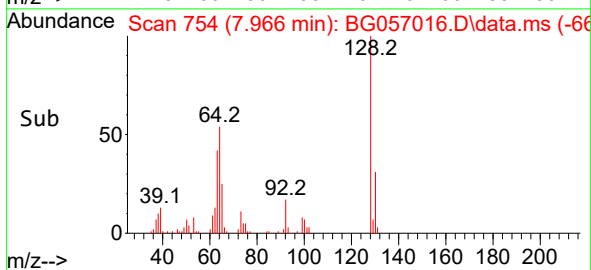
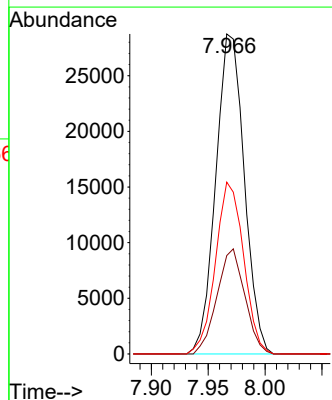
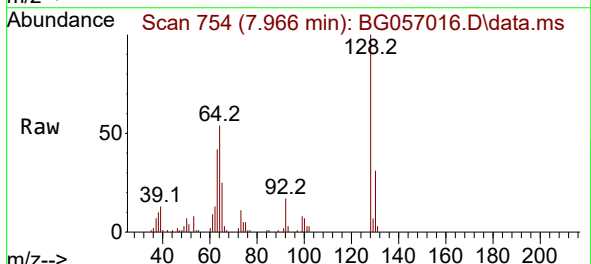
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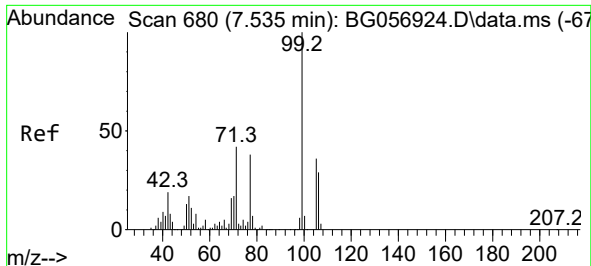
Tgt Ion: 99 Resp: 135412
Ion Ratio Lower Upper
99 100
42 19.5 15.7 23.5
71 45.0 32.5 48.7



#8
2-Chlorophenol
Concen: 54.262 ng
RT: 7.966 min Scan# 754
Delta R.T. -0.006 min
Lab File: BG057016.D
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Tgt Ion: 128 Resp: 50193
Ion Ratio Lower Upper
128 100
130 30.8 12.6 52.6
64 53.7 40.6 80.6

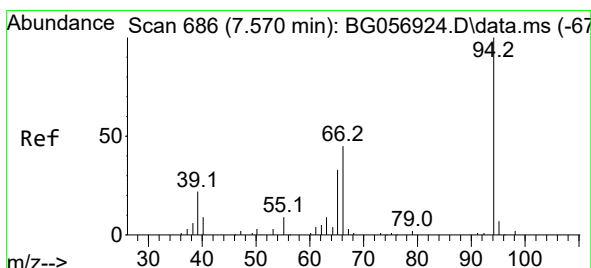
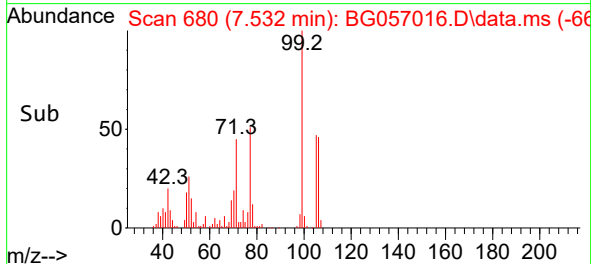
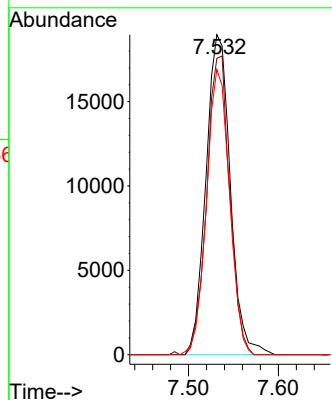
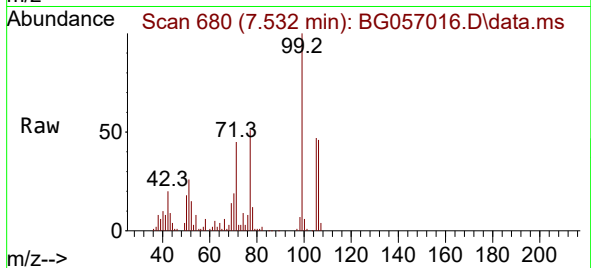




#9
Benzaldehyde
Concen: 40.988 ng
RT: 7.532 min Scan# 680
Delta R.T. -0.006 min
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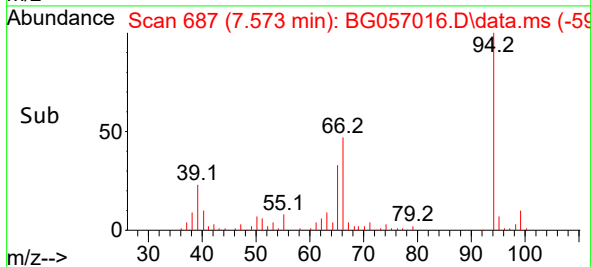
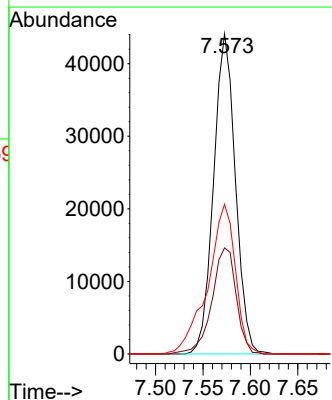
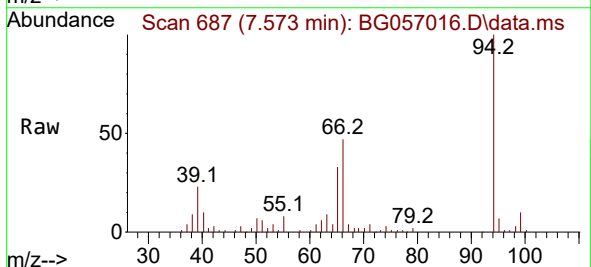
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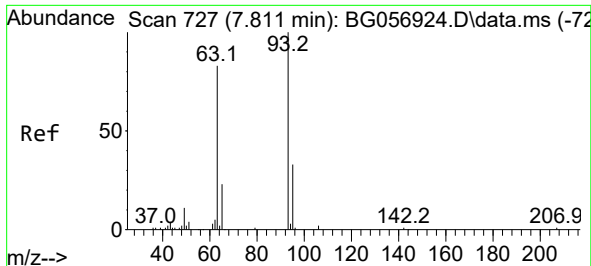
Tgt Ion: 77 Resp: 35708
Ion Ratio Lower Upper
77 100
105 92.6 73.6 113.6
106 89.1 56.7 96.7



#10
Phenol
Concen: 51.262 ng
RT: 7.573 min Scan# 687
Delta R.T. -0.000 min
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Tgt Ion: 94 Resp: 70550
Ion Ratio Lower Upper
94 100
65 33.2 13.3 53.3
66 46.8 26.7 66.7

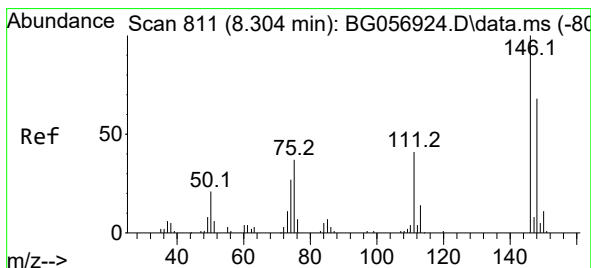
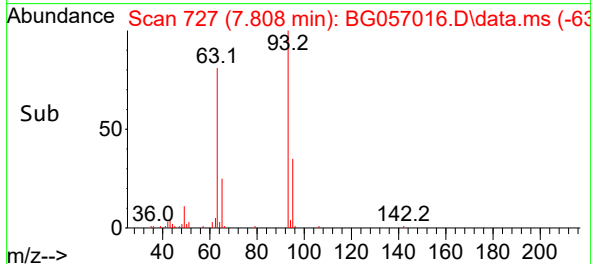
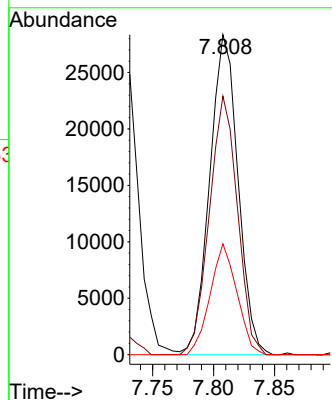
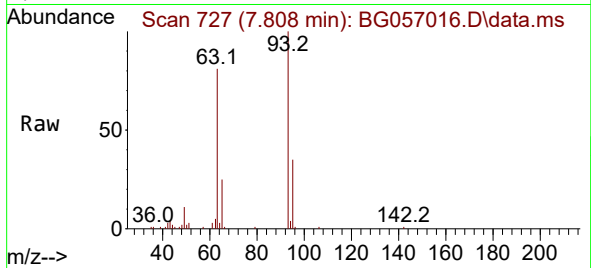




#11
bis(2-Chloroethyl)ether
Concen: 46.649 ng
RT: 7.808 min Scan# 727
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

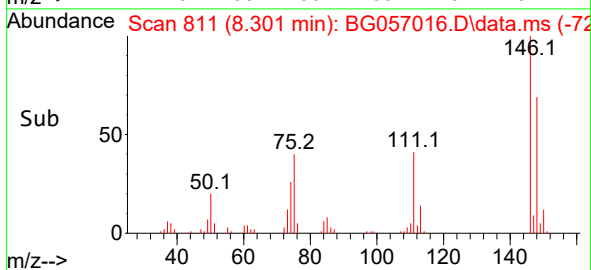
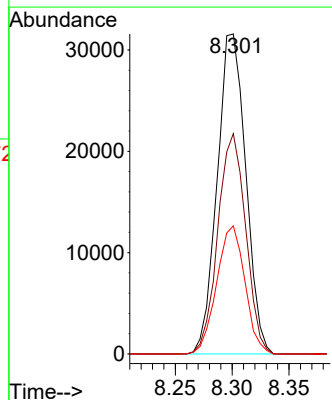
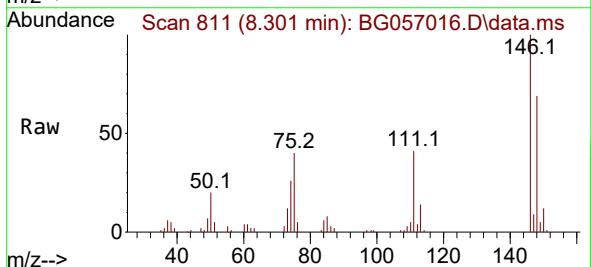
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

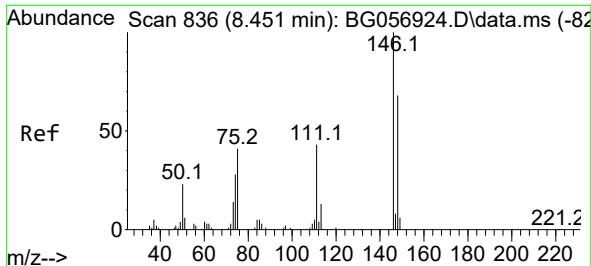
Tgt Ion: 93 Resp: 45732
Ion Ratio Lower Upper
93 100
63 80.8 62.7 102.7
95 34.7 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 54.068 ng
RT: 8.301 min Scan# 811
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 146 Resp: 55263
Ion Ratio Lower Upper
146 100
148 68.9 54.2 81.4
75 40.1 29.8 44.8

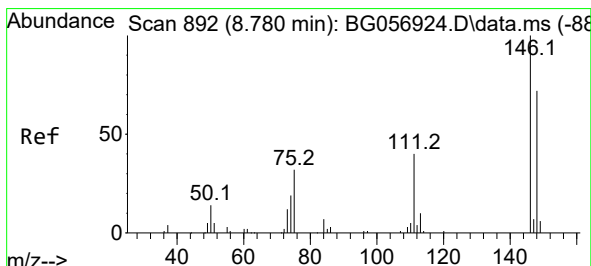
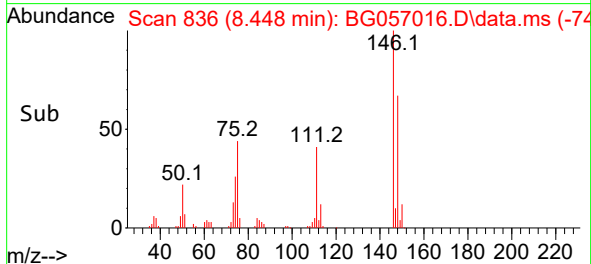
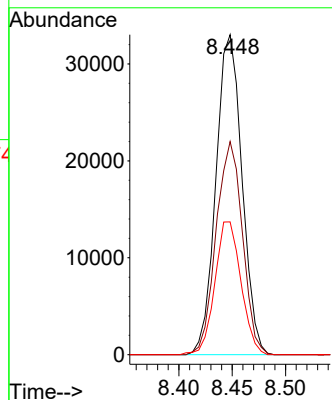
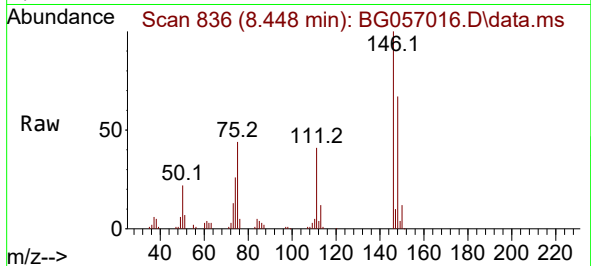




#13
1,4-Dichlorobenzene
Concen: 54.413 ng
RT: 8.448 min Scan# 811
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

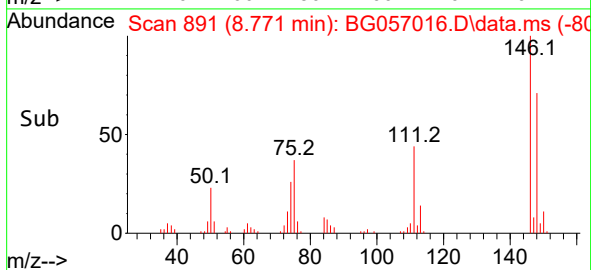
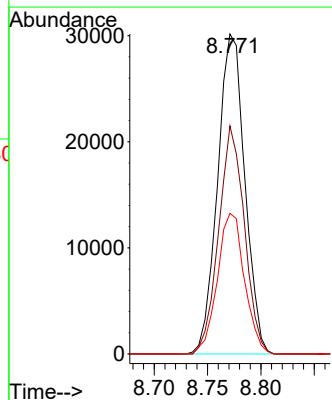
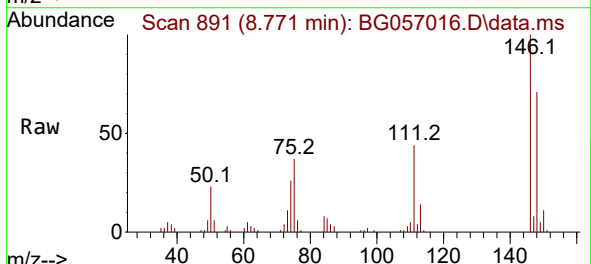
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

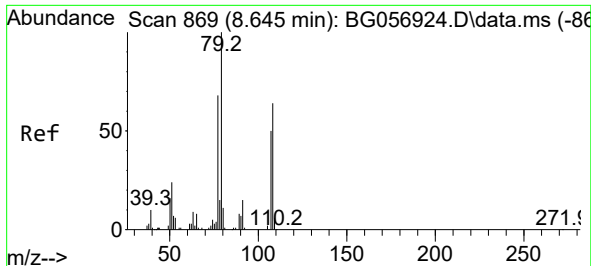
Tgt Ion:146 Resp: 56131
Ion Ratio Lower Upper
146 100
148 66.6 54.8 82.2
111 41.5 34.6 52.0



#14
1,2-Dichlorobenzene
Concen: 53.697 ng
RT: 8.771 min Scan# 891
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:146 Resp: 53516
Ion Ratio Lower Upper
146 100
148 71.3 57.4 86.0
111 44.0 33.2 49.8

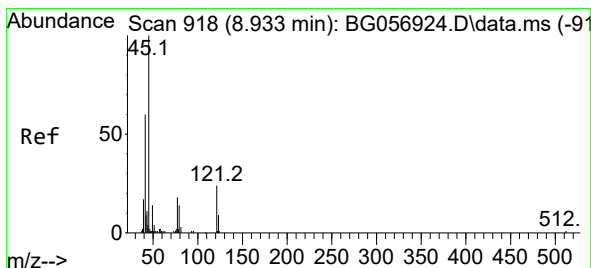
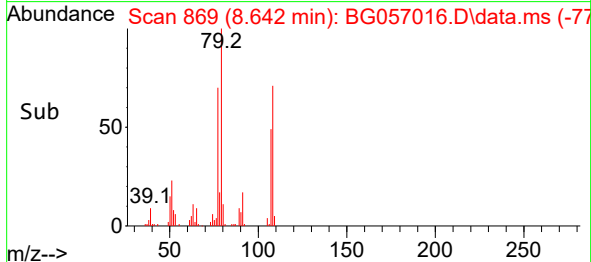
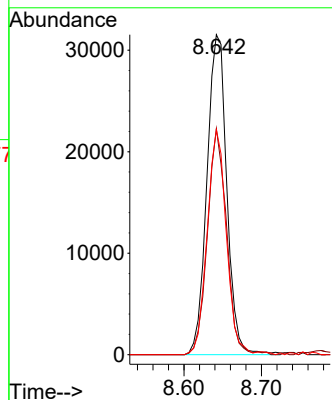
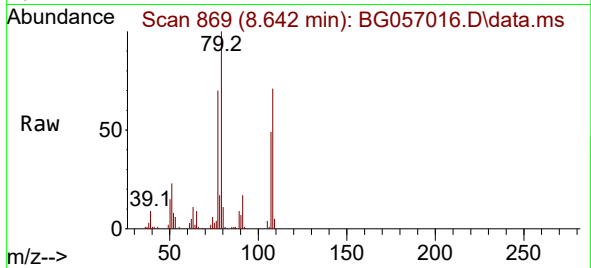




#15
Benzyl Alcohol
Concen: 48.709 ng
RT: 8.642 min Scan# 869
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

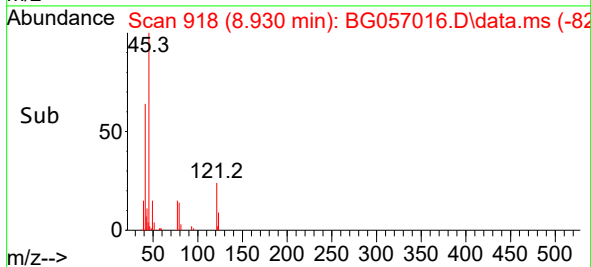
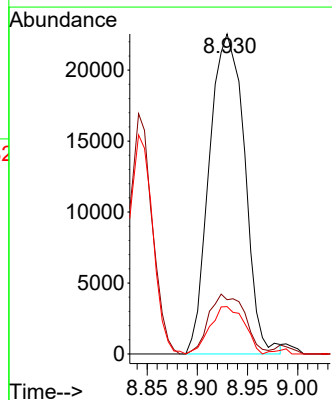
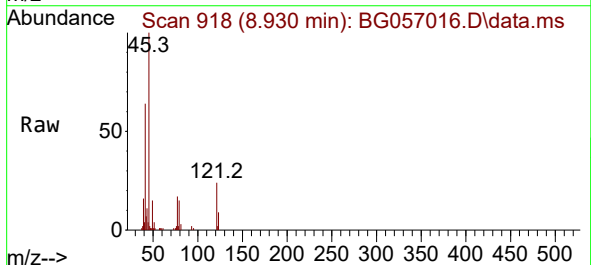
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

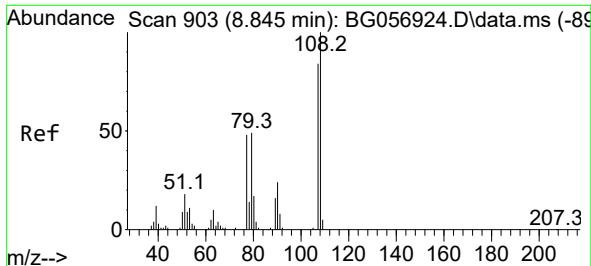
Tgt Ion: 79 Resp: 56215
Ion Ratio Lower Upper
79 100
108 70.6 51.2 76.8
77 70.3 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.664 ng
RT: 8.930 min Scan# 918
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 45 Resp: 55133
Ion Ratio Lower Upper
45 100
77 16.9 0.0 38.7
79 14.8 0.0 35.1





#17

2-Methylphenol

Concen: 48.437 ng

RT: 8.841 min Scan# 90

Delta R.T. -0.000 min

Lab File: BG057016.D

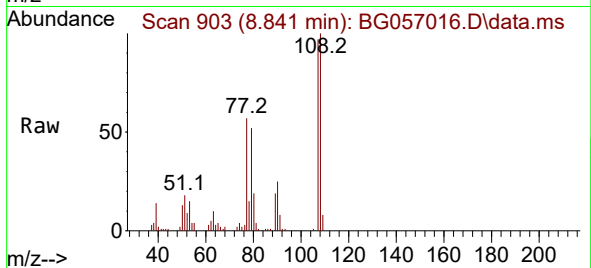
Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD



Tgt Ion:107 Resp: 47560

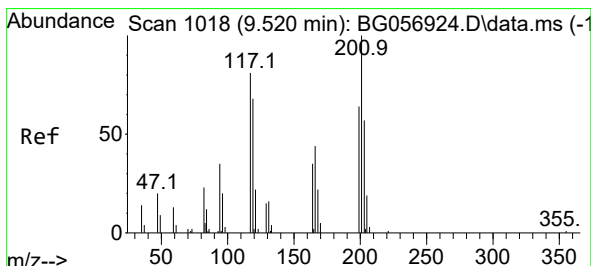
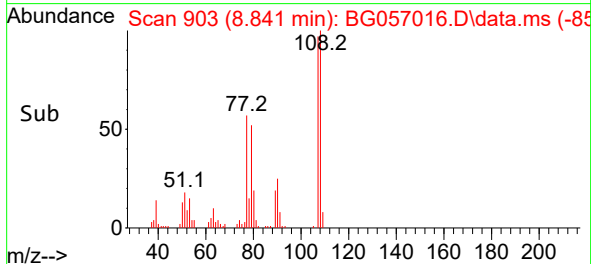
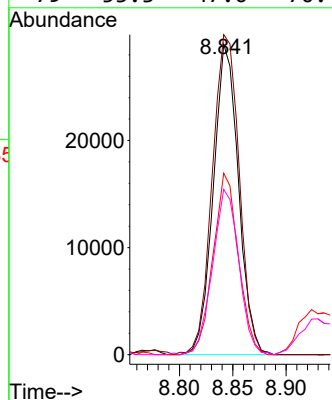
Ion Ratio Lower Upper

107 100

108 103.1 96.0 144.0

77 58.4 45.6 68.4

79 53.3 47.0 70.4



#18

Hexachloroethane

Concen: 53.554 ng

RT: 9.511 min Scan# 1017

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

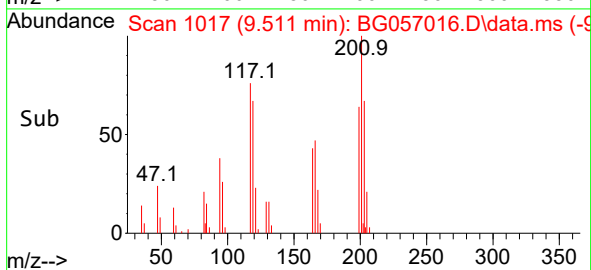
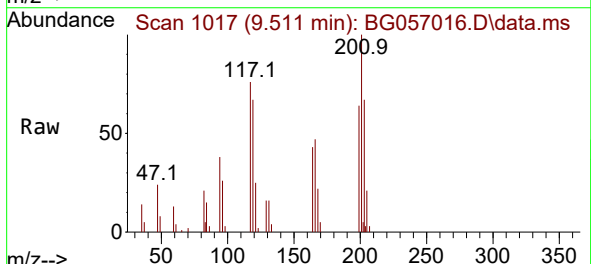
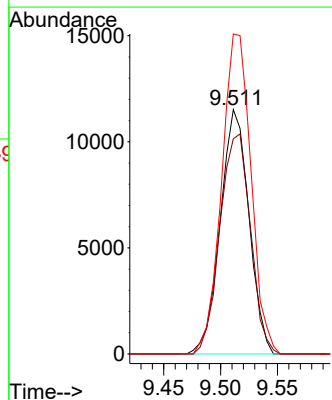
Tgt Ion:117 Resp: 20192

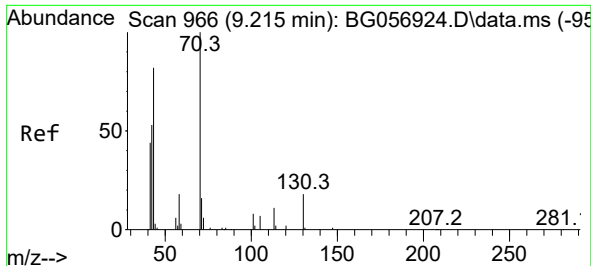
Ion Ratio Lower Upper

117 100

119 88.1 67.0 100.6

201 130.9 98.7 148.1



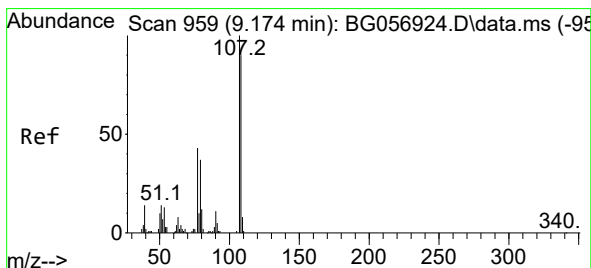
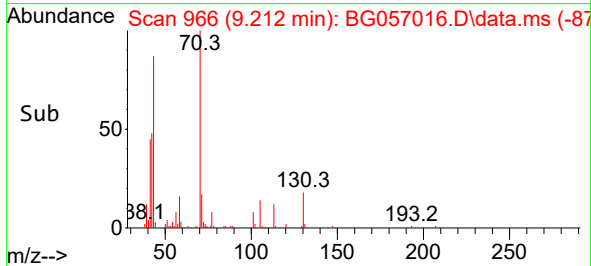
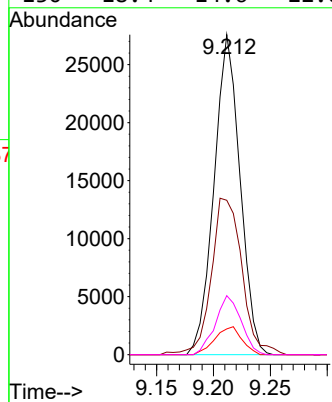
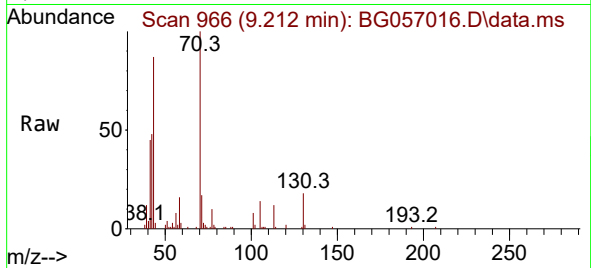


#19
n-Nitroso-di-n-propylamine
Concen: 44.088 ng
RT: 9.212 min Scan# 90
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Instrument :
BNA_G
ClientSampleId :
72-11982MSD

Tgt Ion: 70 Resp: 43800

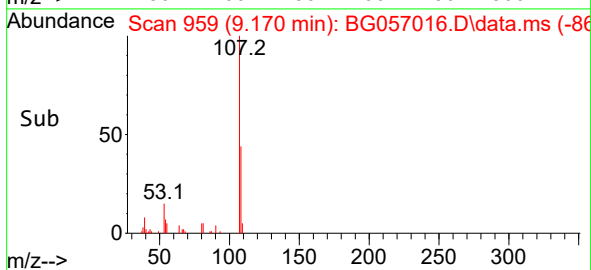
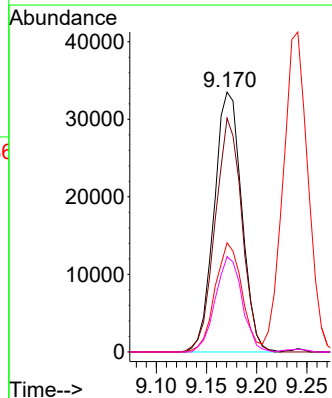
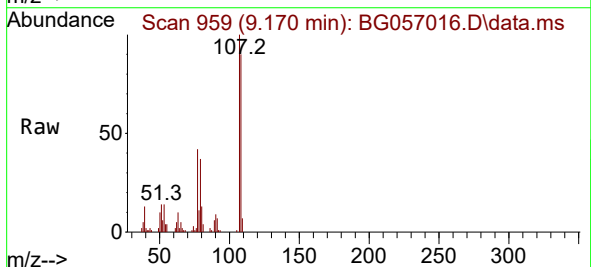
Ion	Ratio	Lower	Upper
70	100		
42	48.3	43.4	65.0
101	8.1	6.2	9.2
130	18.4	14.6	22.0

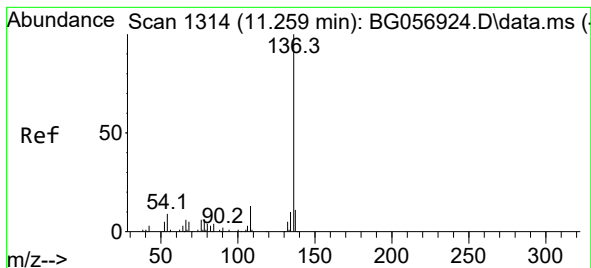


#20
3+4-Methylphenols
Concen: 46.567 ng
RT: 9.170 min Scan# 959
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 107 Resp: 63937

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.9	109.9
77	42.0	22.7	62.7
79	36.7	16.5	56.5

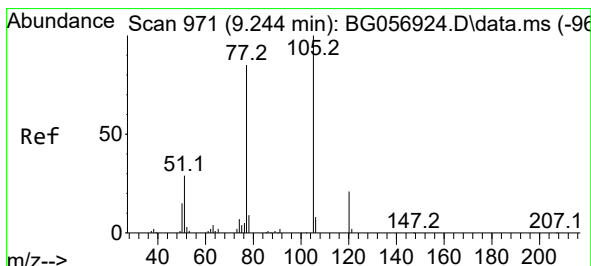
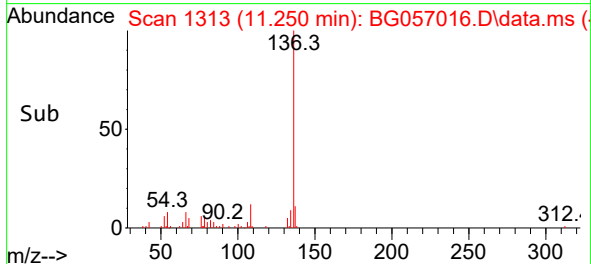
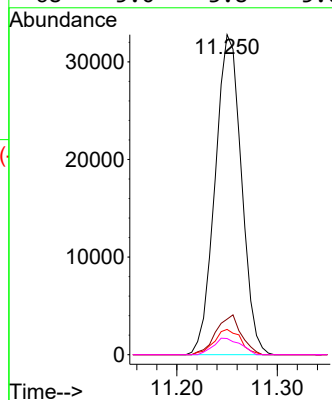
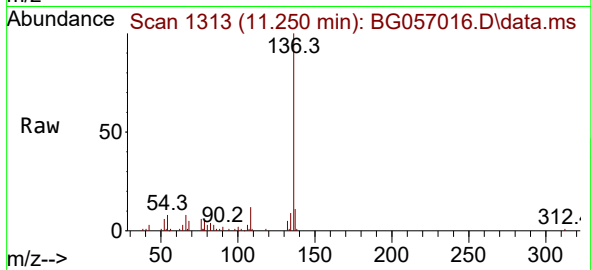




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.250 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

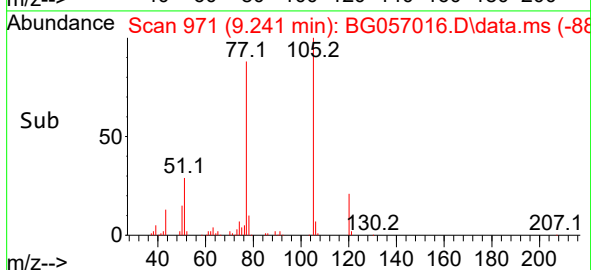
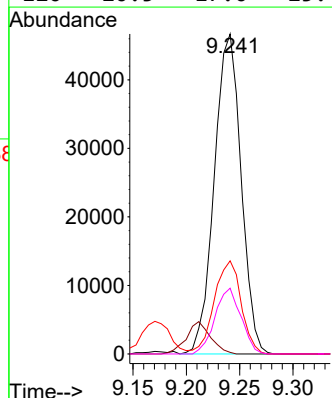
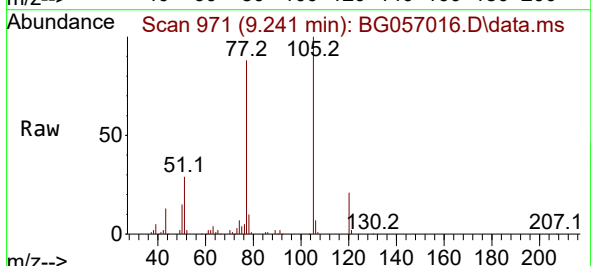
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

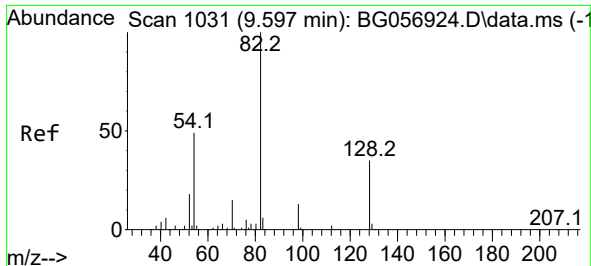
Tgt Ion:136 Resp: 59613
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.9 6.9 10.3
68 5.0 3.8 5.6



#22
Acetophenone
Concen: 45.986 ng
RT: 9.241 min Scan# 971
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:105 Resp: 81572
Ion Ratio Lower Upper
105 100
71 0.5 0.7 1.1#
51 29.1 23.8 35.8
120 20.5 17.0 25.4





#23

Nitrobenzene-d5

Concen: 60.180 ng

RT: 9.588 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

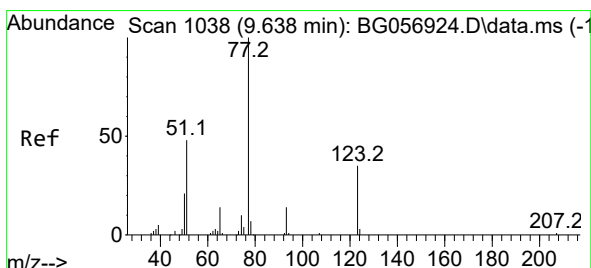
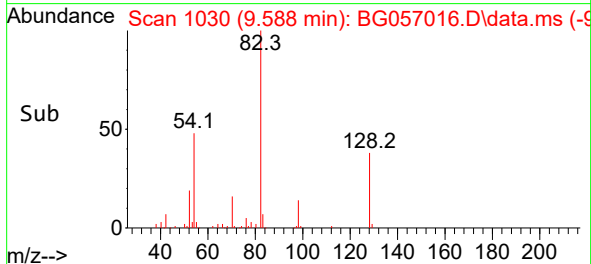
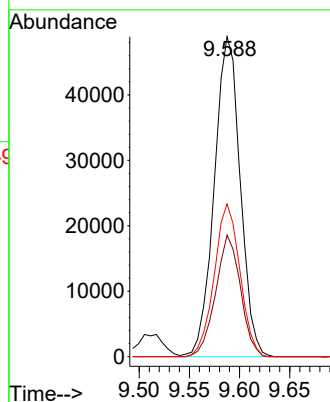
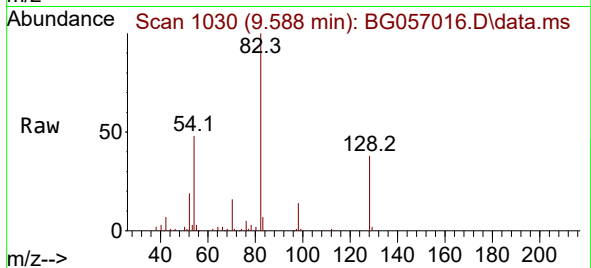
Tgt Ion: 82 Resp: 87676

Ion Ratio Lower Upper

82 100

128 38.0 27.9 41.9

54 47.7 39.4 59.2



#24

Nitrobenzene

Concen: 47.004 ng

RT: 9.635 min Scan# 1038

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

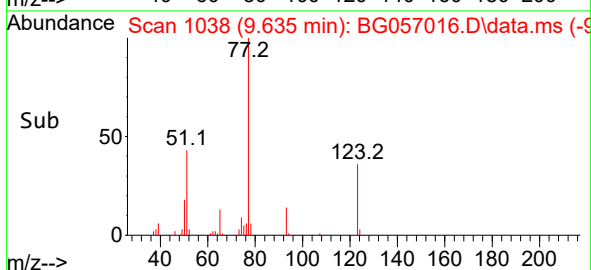
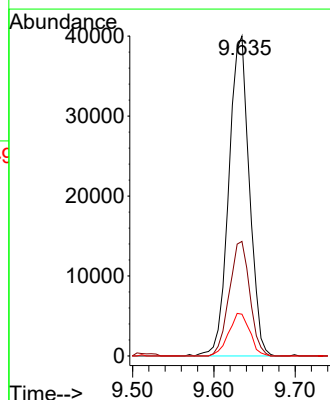
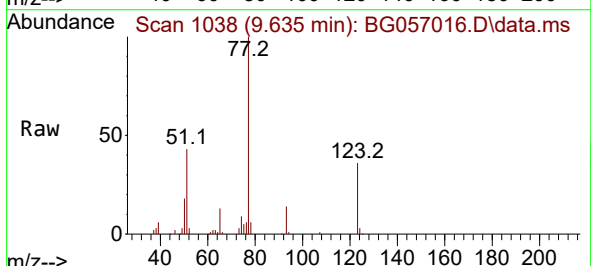
Tgt Ion: 77 Resp: 70014

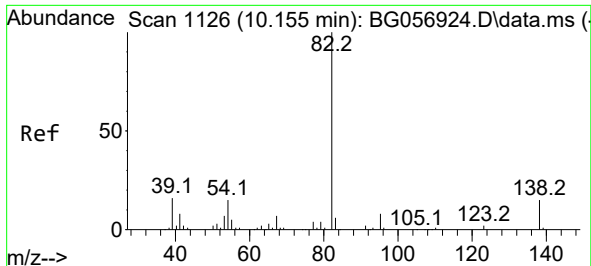
Ion Ratio Lower Upper

77 100

123 35.8 27.6 41.4

65 13.1 11.5 17.3

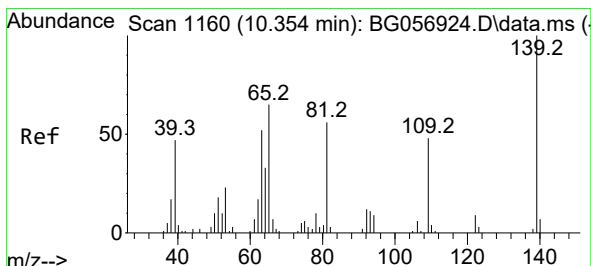
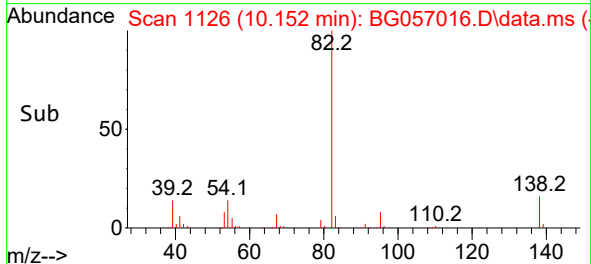
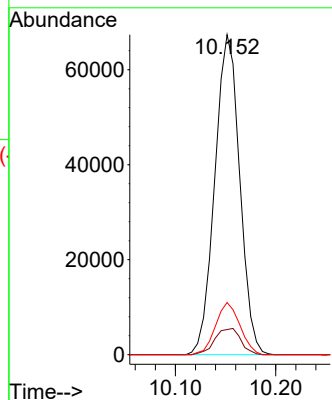
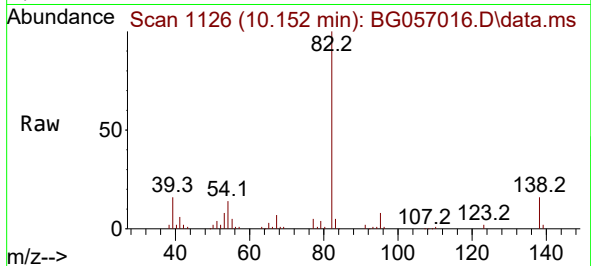




#25
Isophorone
Concen: 41.784 ng
RT: 10.152 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

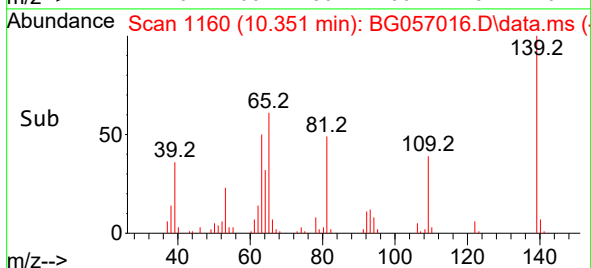
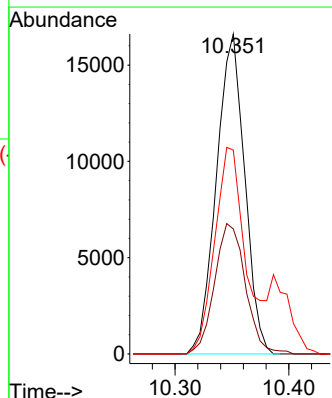
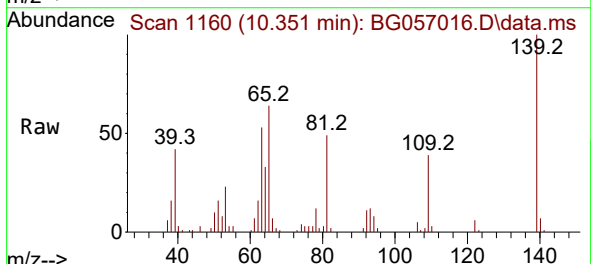
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

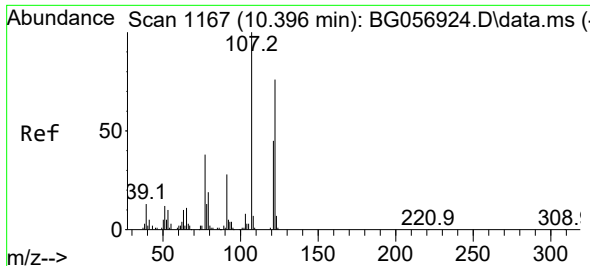
Tgt Ion: 82 Resp: 115923
Ion Ratio Lower Upper
82 100
95 7.9 6.3 9.5
138 16.3 11.8 17.8



#26
2-Nitrophenol
Concen: 49.906 ng
RT: 10.351 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:139 Resp: 28693
Ion Ratio Lower Upper
139 100
109 39.0 38.2 57.4
65 63.7 51.8 77.8

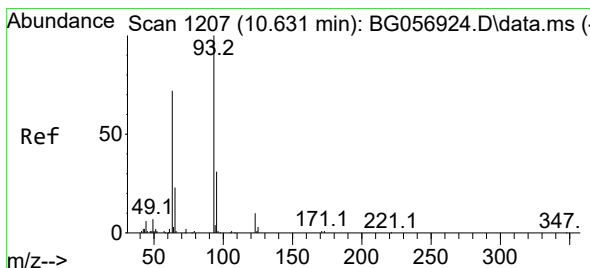
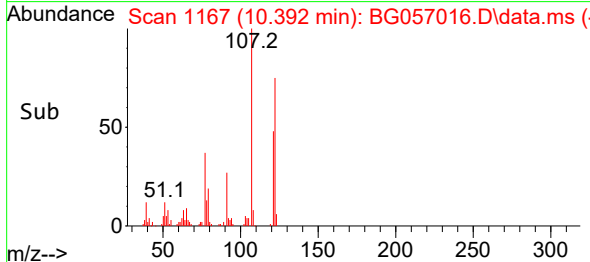
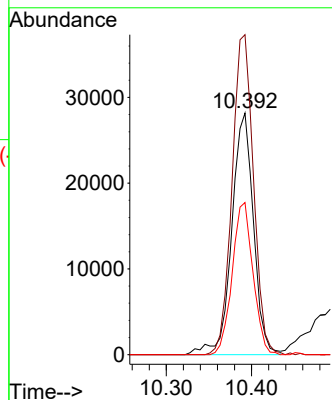
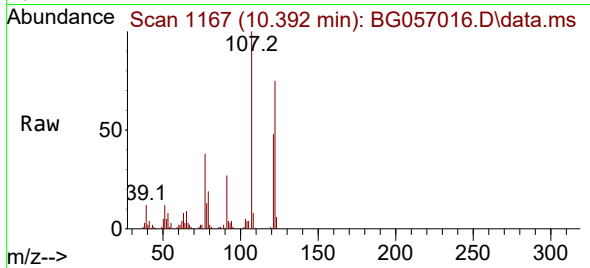




#27
2,4-Dimethylphenol
Concen: 49.263 ng
RT: 10.392 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

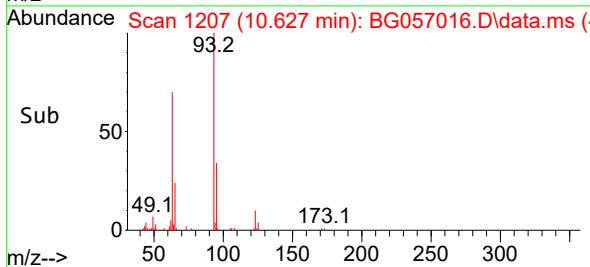
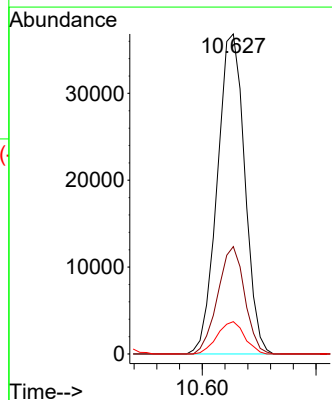
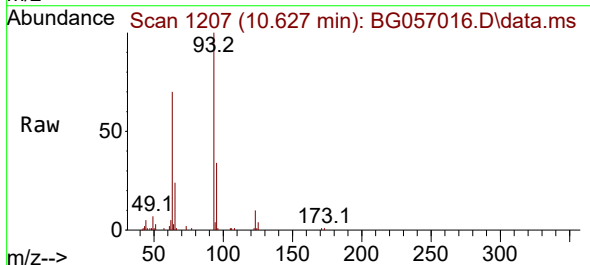
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

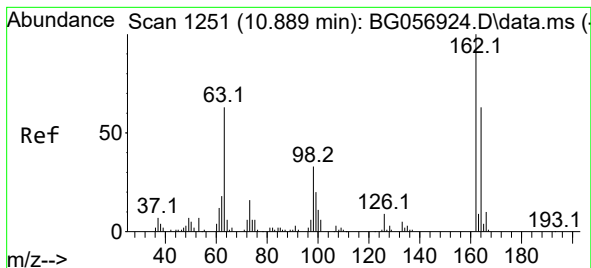
Tgt Ion:122 Resp: 50007
Ion Ratio Lower Upper
122 100
107 132.5 105.7 158.5
121 63.0 48.0 72.0



#28
bis(2-Chloroethoxy)methane
Concen: 44.450 ng
RT: 10.627 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 93 Resp: 61738
Ion Ratio Lower Upper
93 100
95 33.6 24.6 37.0
123 10.1 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 50.247 ng

RT: 10.886 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG057016.D

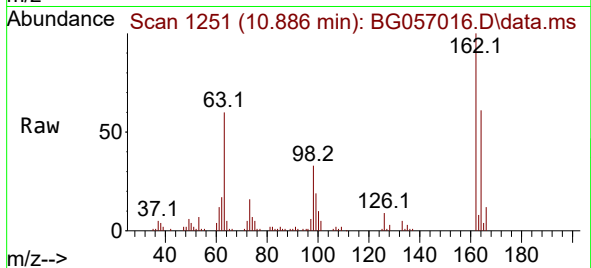
Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD



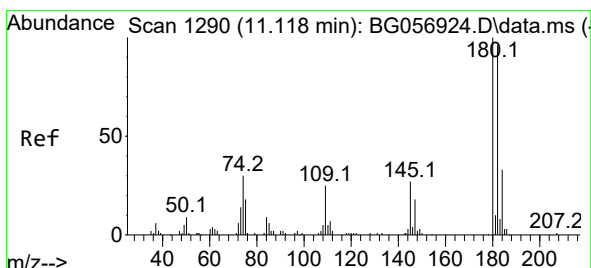
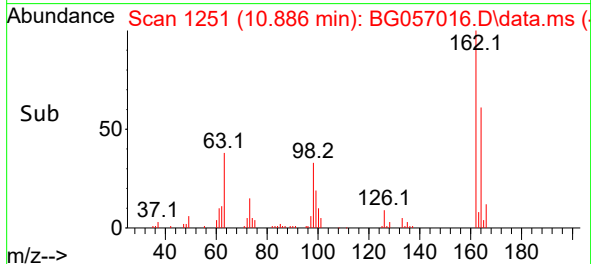
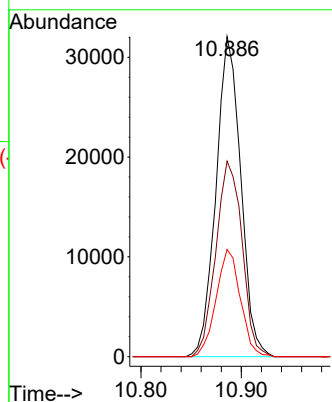
Tgt Ion:162 Resp: 54855

Ion Ratio Lower Upper

162 100

164 61.1 43.4 83.4

98 33.5 12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 51.596 ng

RT: 11.109 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

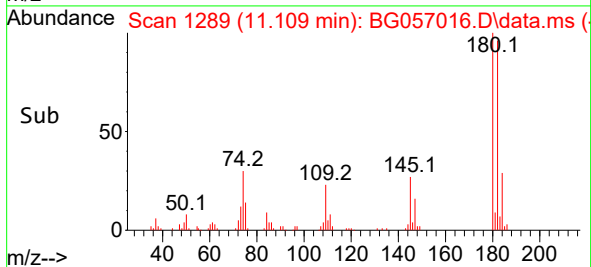
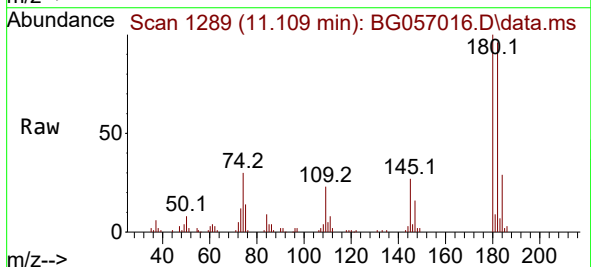
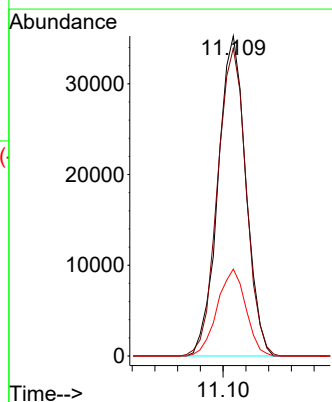
Tgt Ion:180 Resp: 59850

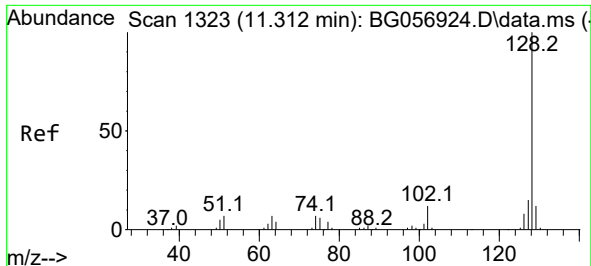
Ion Ratio Lower Upper

180 100

182 96.2 77.1 115.7

145 27.2 21.3 31.9

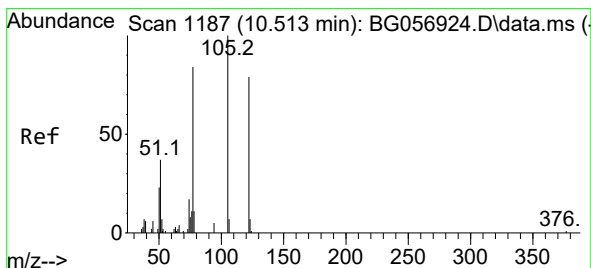
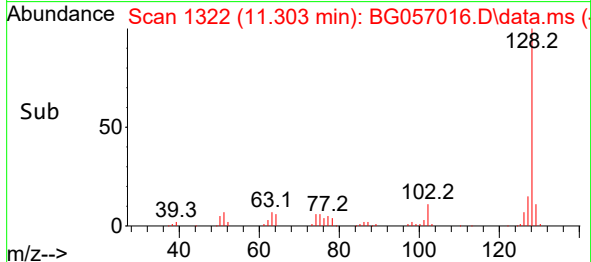
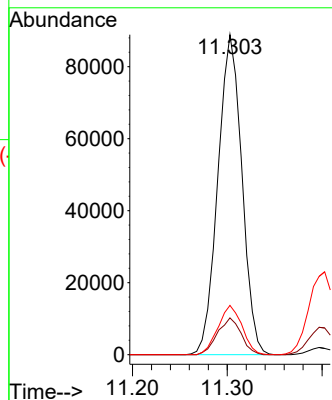
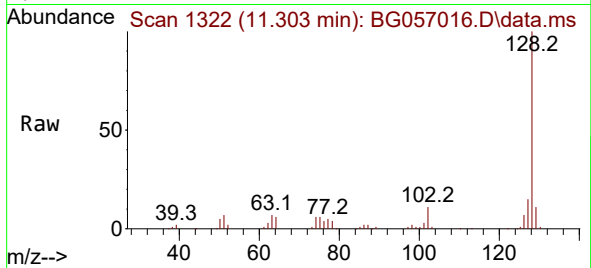




#31
Naphthalene
Concen: 48.195 ng
RT: 11.303 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

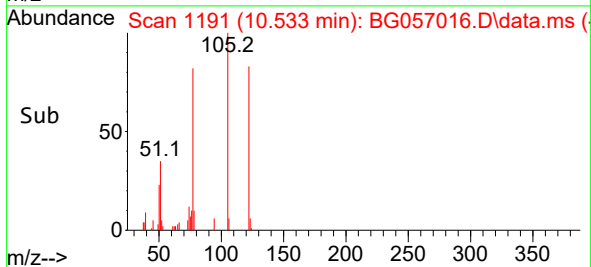
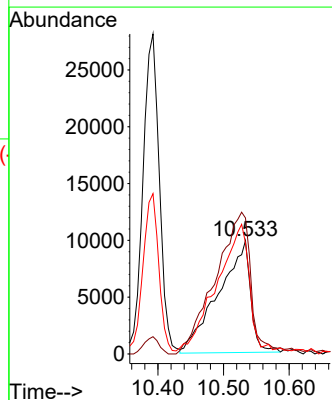
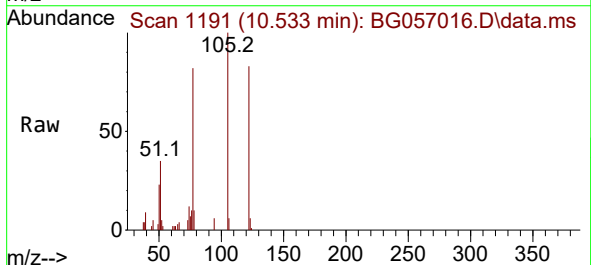
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

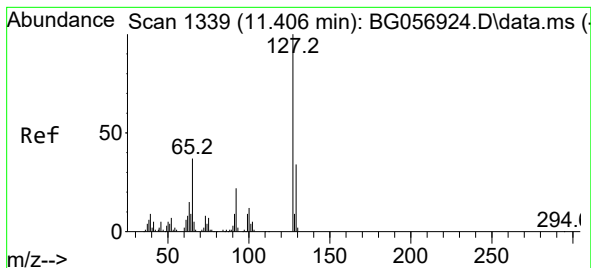
Tgt Ion:128 Resp: 156600
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 15.4 12.2 18.4



#32
Benzoic acid
Concen: 47.716 ng
RT: 10.533 min Scan# 1191
Delta R.T. 0.005 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:122 Resp: 33272
Ion Ratio Lower Upper
122 100
105 119.9 105.4 145.4
77 97.8 87.4 127.4





#33

4-Chloroaniline

Concen: 30.336 ng

RT: 11.403 min Scan# 11

Delta R.T. 0.005 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

Tgt Ion:127 Resp: 44519

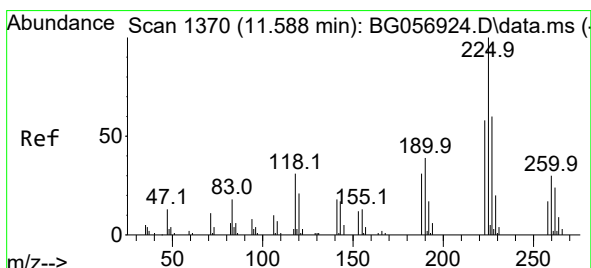
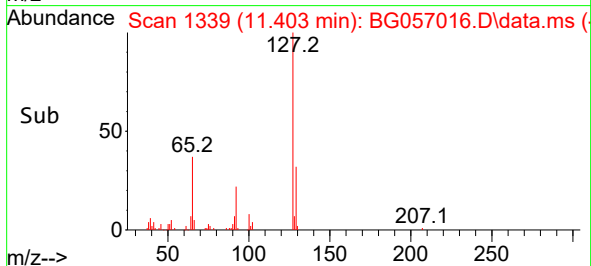
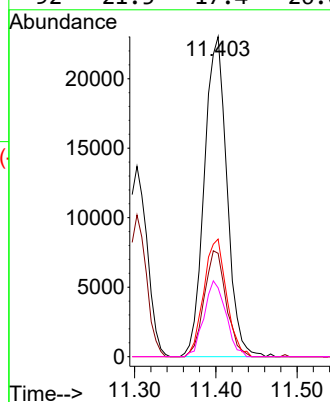
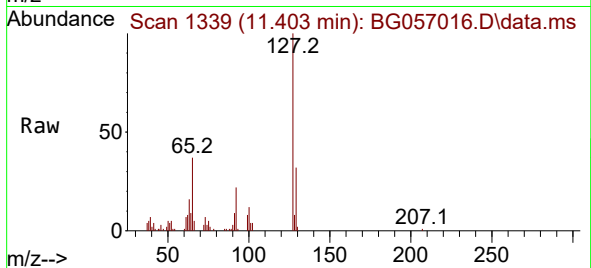
Ion Ratio Lower Upper

127 100

129 32.3 27.6 41.4

65 36.7 29.8 44.8

92 21.5 17.4 26.0



#34

Hexachlorobutadiene

Concen: 50.797 ng

RT: 11.573 min Scan# 1368

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

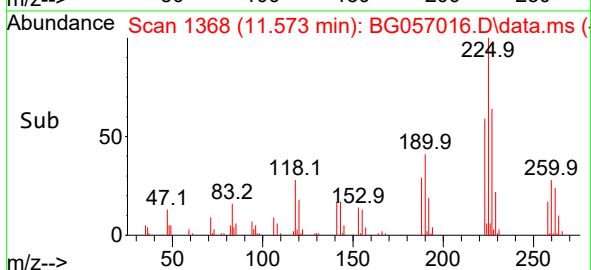
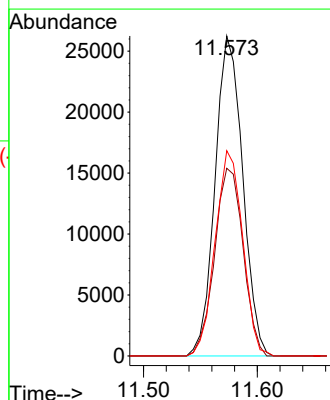
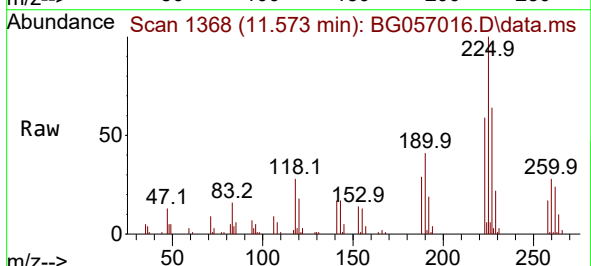
Tgt Ion:225 Resp: 44261

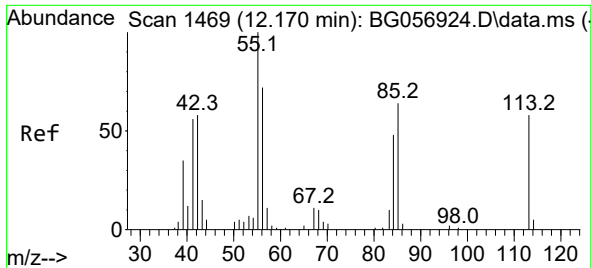
Ion Ratio Lower Upper

225 100

223 58.7 46.4 69.6

227 64.2 48.0 72.0

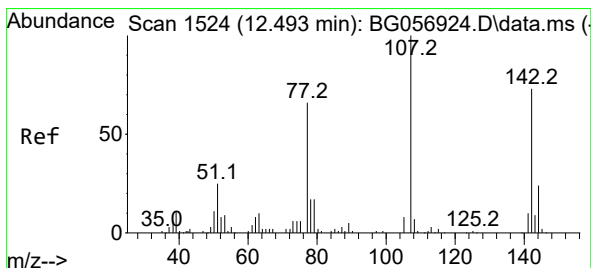
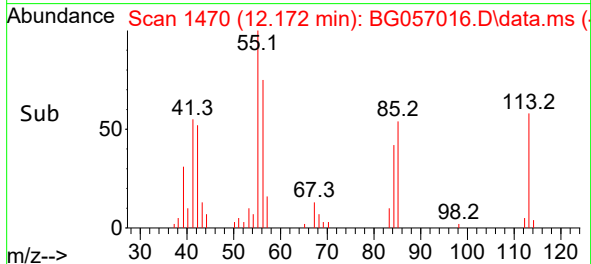
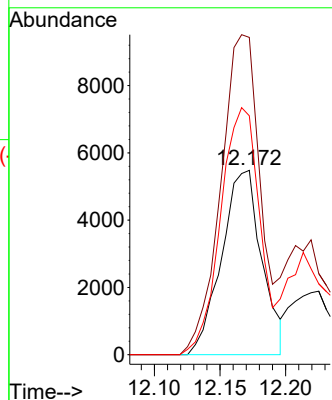
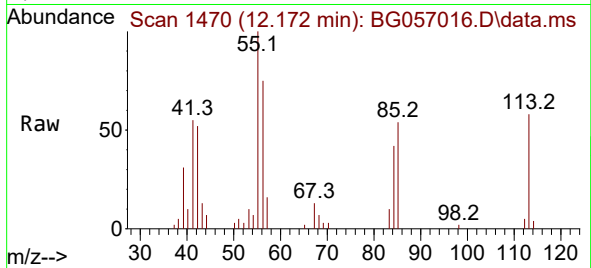




#35
Caprolactam
Concen: 30.941 ng
RT: 12.172 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

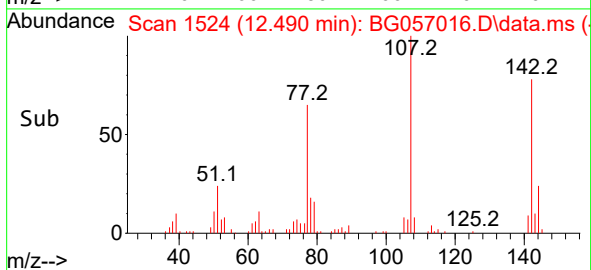
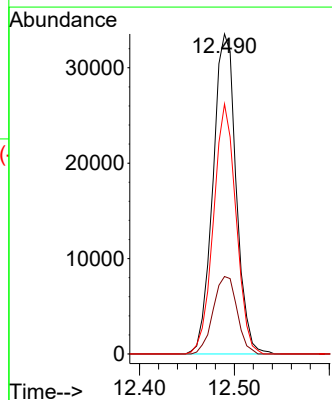
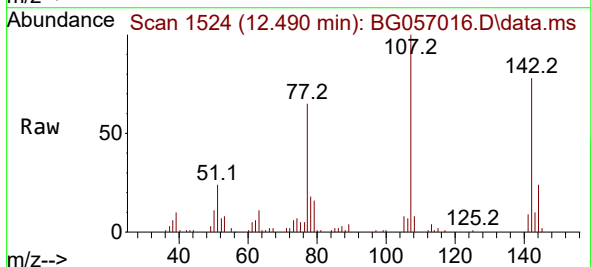
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

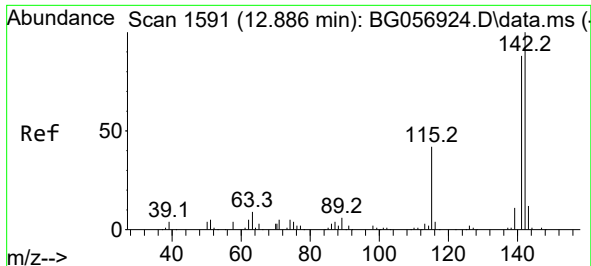
Tgt Ion:113 Resp: 11649
Ion Ratio Lower Upper
113 100
55 172.1 151.6 191.6
56 129.6 103.7 143.7



#36
4-Chloro-3-methylphenol
Concen: 46.680 ng
RT: 12.490 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:107 Resp: 56990
Ion Ratio Lower Upper
107 100
144 24.2 19.0 28.4
142 78.1 58.6 88.0





#37

2-Methylnaphthalene

Concen: 44.504 ng

RT: 12.877 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

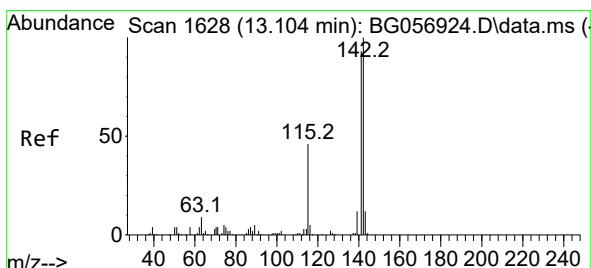
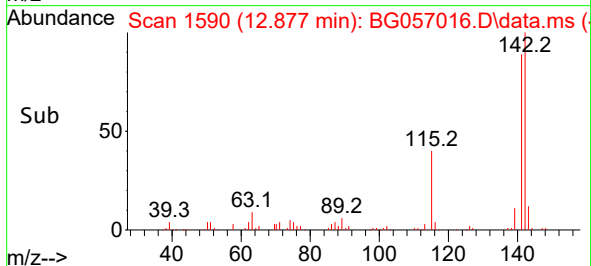
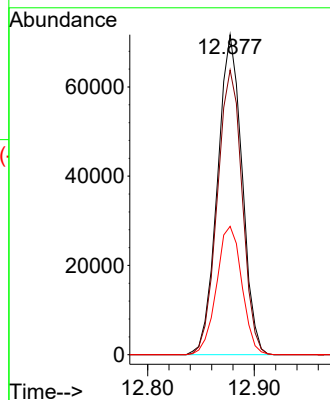
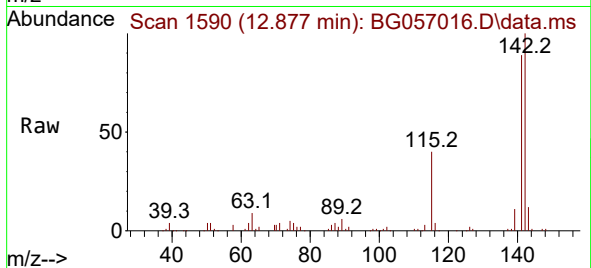
Tgt Ion:142 Resp: 114769

Ion Ratio Lower Upper

142 100

141 89.0 70.3 105.5

115 40.1 33.5 50.3



#38

1-Methylnaphthalene

Concen: 43.483 ng

RT: 13.095 min Scan# 1627

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

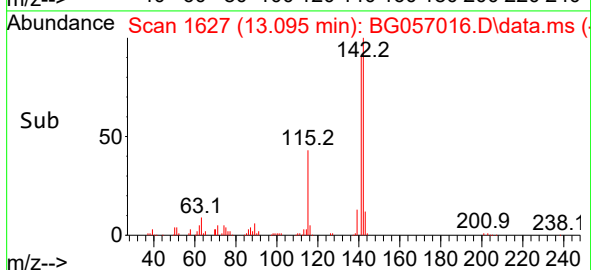
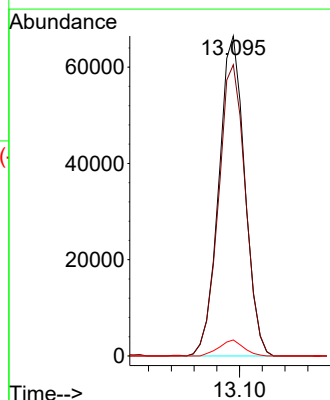
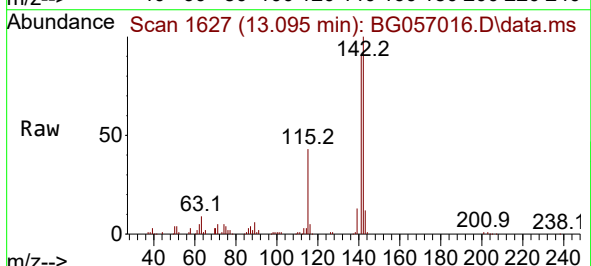
Tgt Ion:142 Resp: 105296

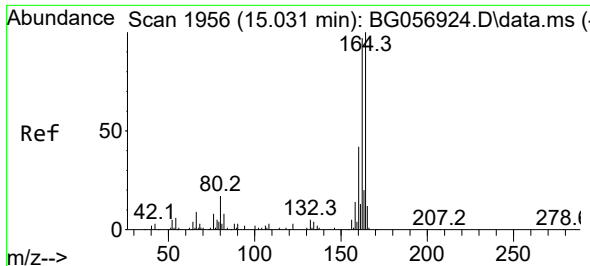
Ion Ratio Lower Upper

142 100

141 91.0 74.0 111.0

116 5.0 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.021 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

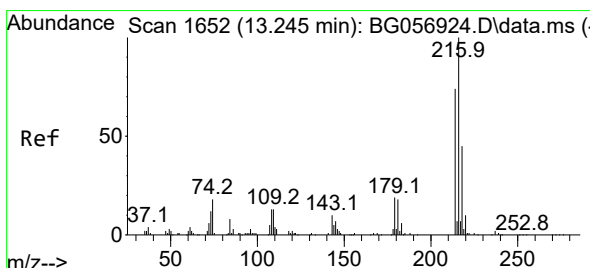
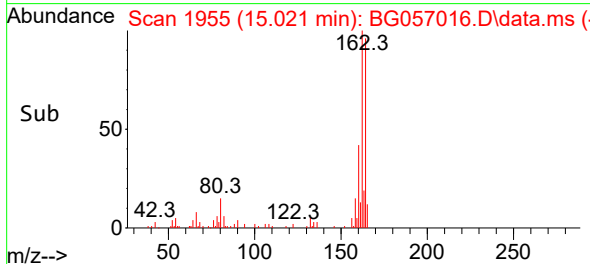
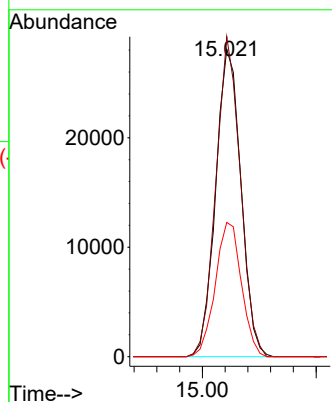
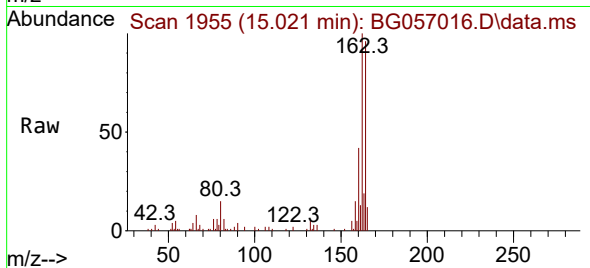
Tgt Ion:164 Resp: 43448

Ion Ratio Lower Upper

164 100

162 104.0 77.8 116.8

160 43.7 33.5 50.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.683 ng

RT: 13.236 min Scan# 1651

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Tgt Ion:216 Resp: 79375

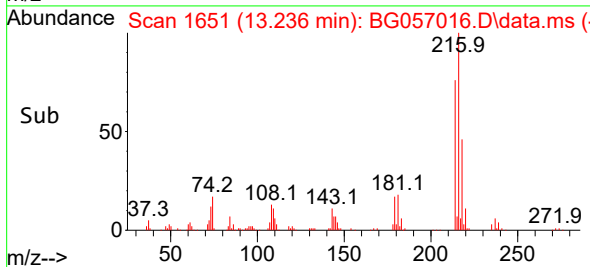
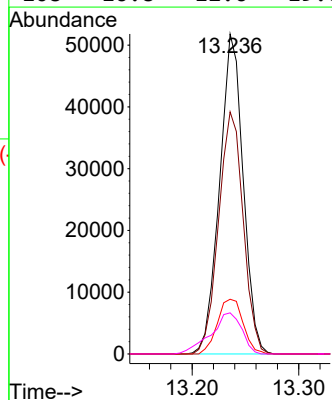
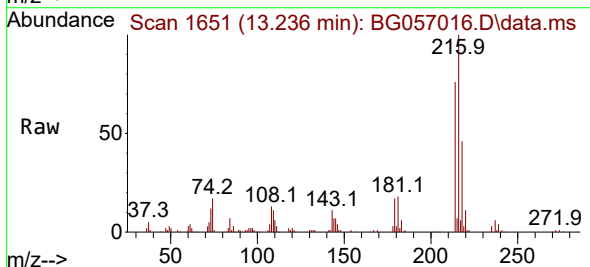
Ion Ratio Lower Upper

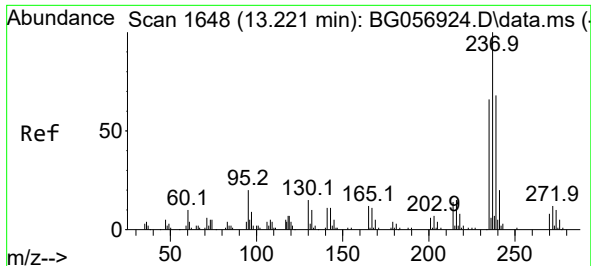
216 100

214 78.8 63.3 94.9

179 18.8 15.0 22.6

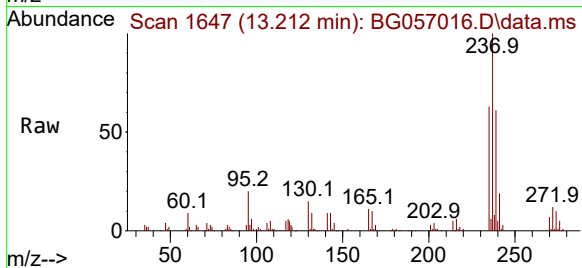
108 16.8 12.6 19.0



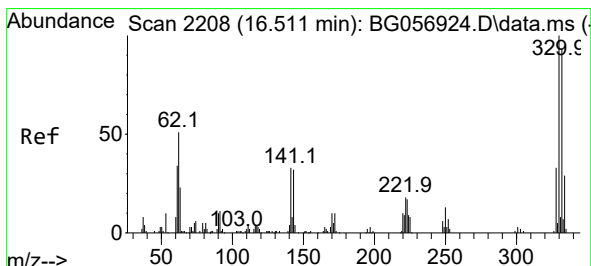
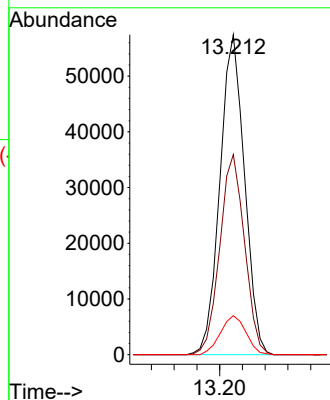
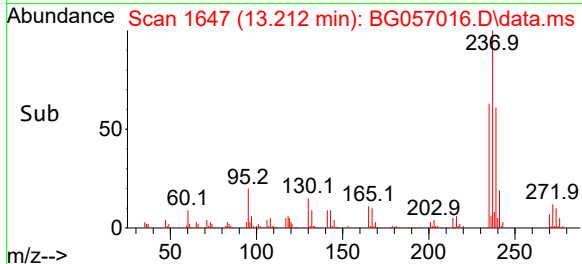


#41
Hexachlorocyclopentadiene
Concen: 103.789 ng
RT: 13.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

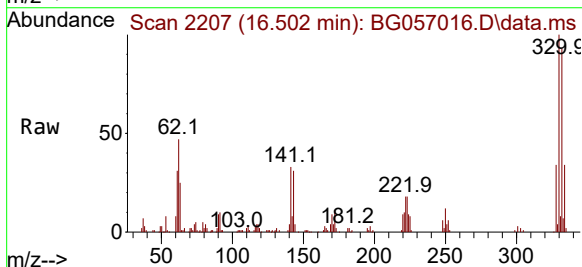
Instrument :
BNA_G
ClientSampleId :
72-11982MSD



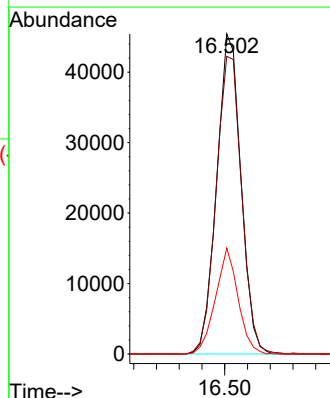
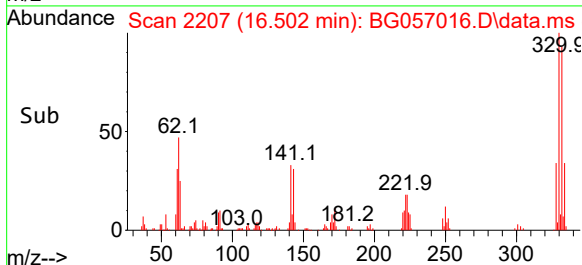
Tgt Ion:237 Resp: 86158
Ion Ratio Lower Upper
237 100
235 62.6 45.9 85.9
272 12.2 0.0 32.3

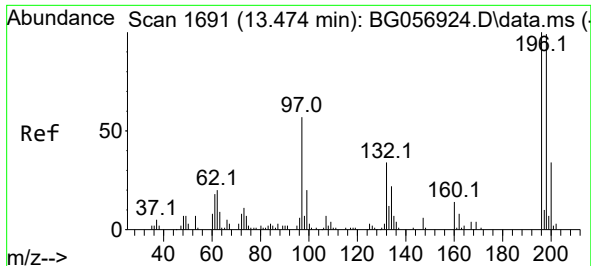


#42
2,4,6-Tribromophenol
Concen: 96.716 ng
RT: 16.502 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37



Tgt Ion:330 Resp: 67130
Ion Ratio Lower Upper
330 100
332 97.9 76.1 114.1
141 30.9 25.8 38.6

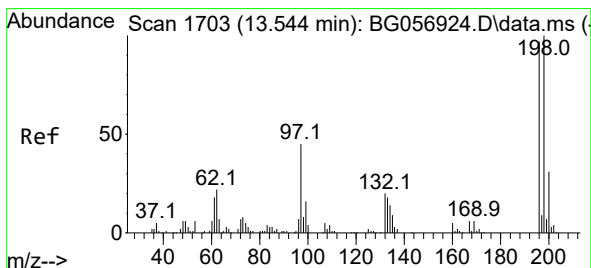
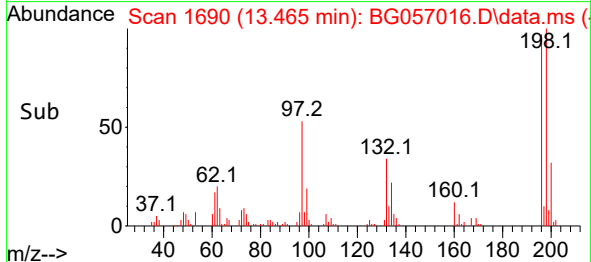
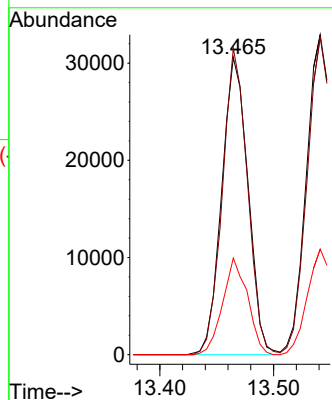
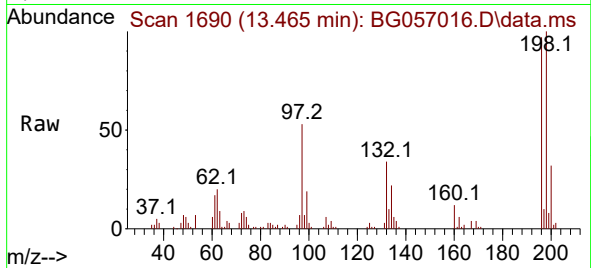




#43
2,4,6-Trichlorophenol
Concen: 51.210 ng
RT: 13.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

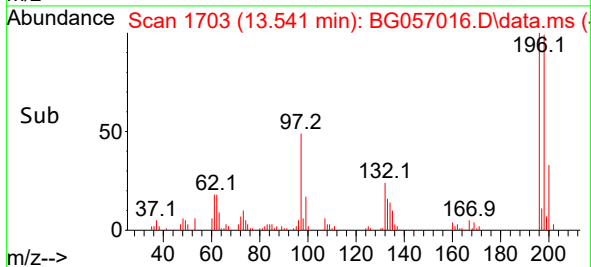
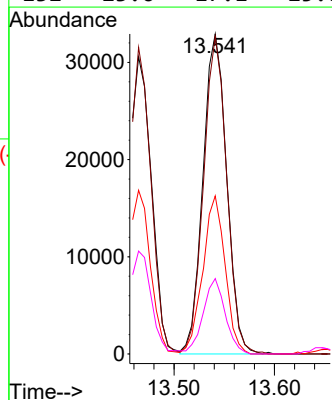
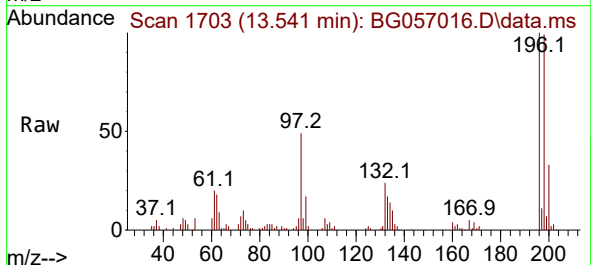
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

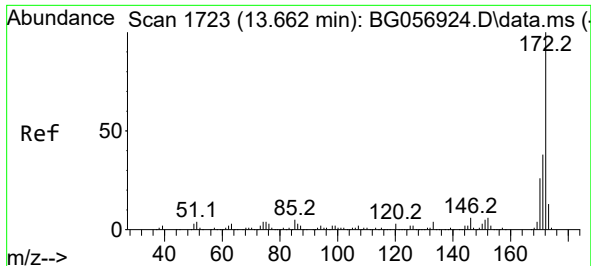
Tgt Ion:196 Resp: 49236
Ion Ratio Lower Upper
196 100
198 103.2 79.1 118.7
200 32.5 27.2 40.8



#44
2,4,5-Trichlorophenol
Concen: 47.618 ng
RT: 13.541 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:196 Resp: 54237
Ion Ratio Lower Upper
196 100
198 99.2 82.5 123.7
97 49.4 37.0 55.6
132 23.6 17.1 25.7

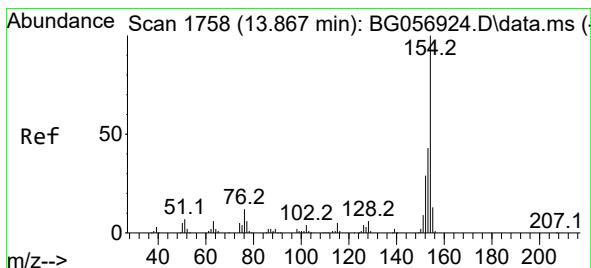
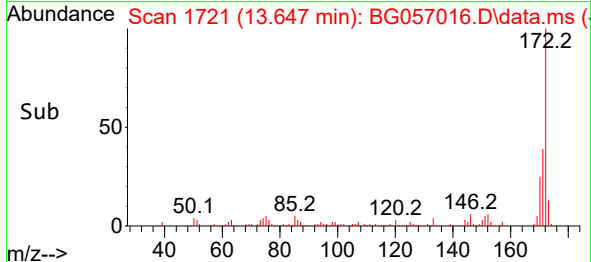
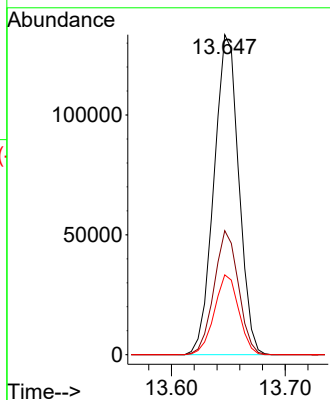
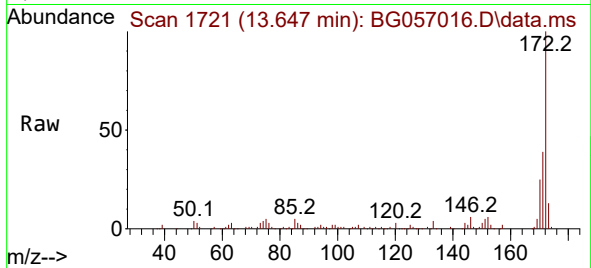




#45
2-Fluorobiphenyl
Concen: 63.148 ng
RT: 13.647 min Scan# 1721
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

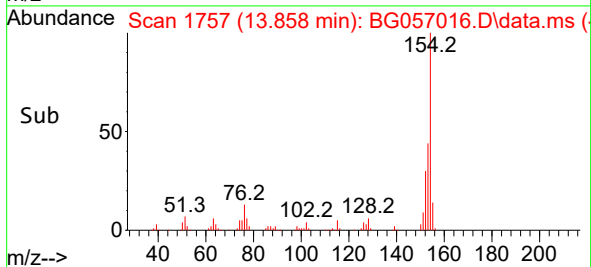
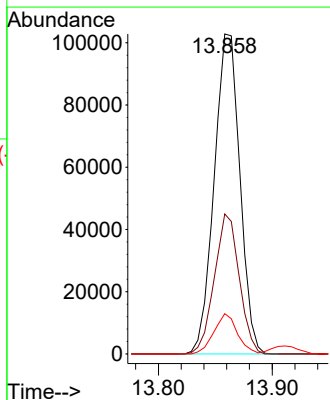
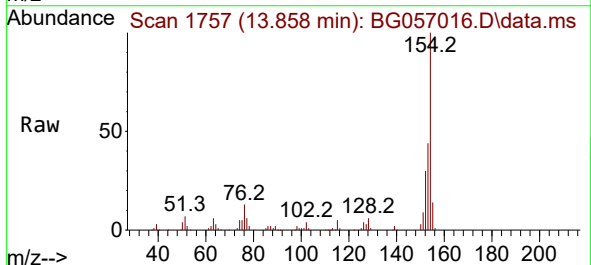
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

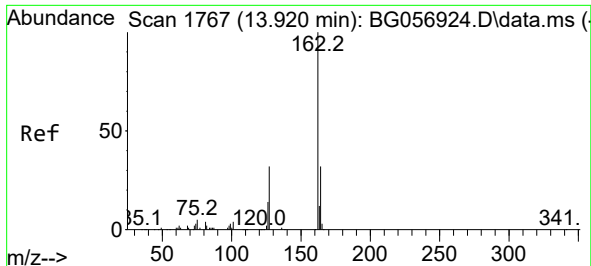
Tgt Ion:172 Resp: 202334
Ion Ratio Lower Upper
172 100
171 38.7 30.6 46.0
170 24.9 20.6 30.8



#46
1,1'-Biphenyl
Concen: 50.748 ng
RT: 13.858 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:154 Resp: 161405
Ion Ratio Lower Upper
154 100
153 43.7 23.4 63.4
76 12.6 0.0 31.6

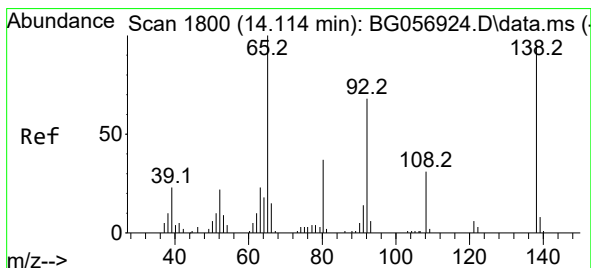
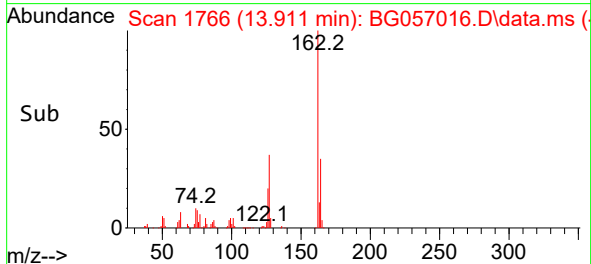
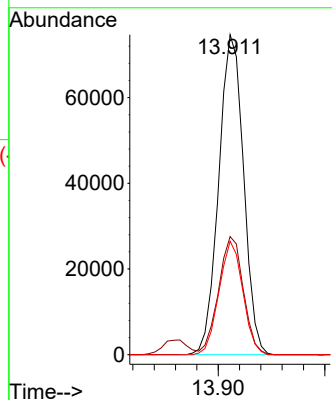
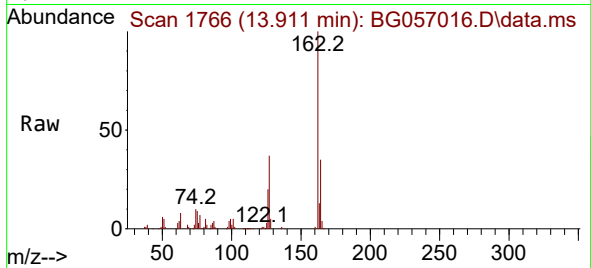




#47
2-Chloronaphthalene
Concen: 51.259 ng
RT: 13.911 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

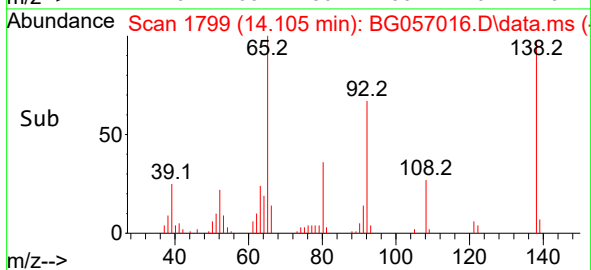
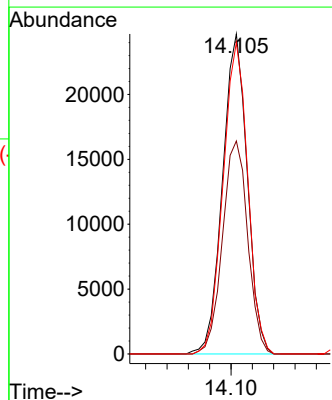
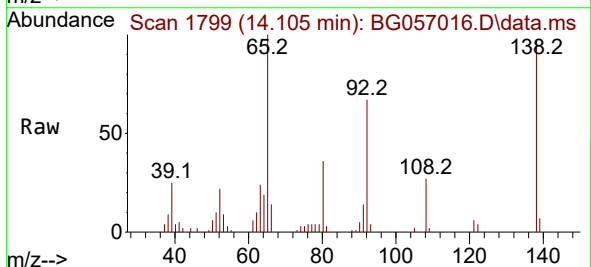
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

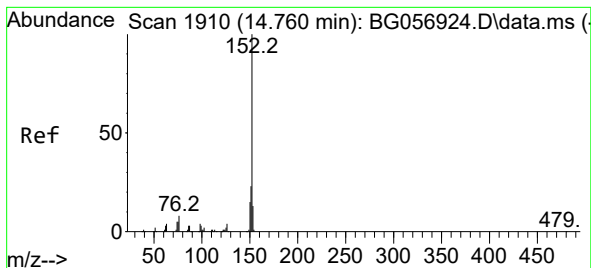
Tgt Ion:162 Resp: 120577
Ion Ratio Lower Upper
162 100
127 36.9 29.5 44.3
164 35.4 25.5 38.3



#48
2-Nitroaniline
Concen: 47.134 ng
RT: 14.105 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion: 65 Resp: 39645
Ion Ratio Lower Upper
65 100
92 66.6 54.3 81.5
138 97.4 76.0 114.0





#49

Acenaphthylene

Concen: 49.486 ng

RT: 14.751 min Scan# 1910

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

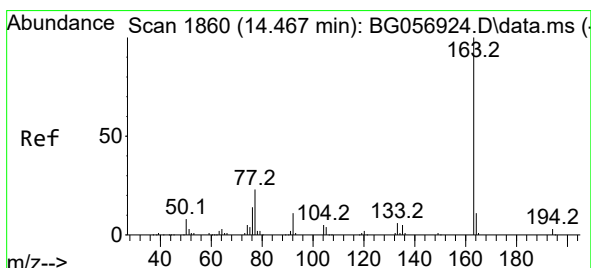
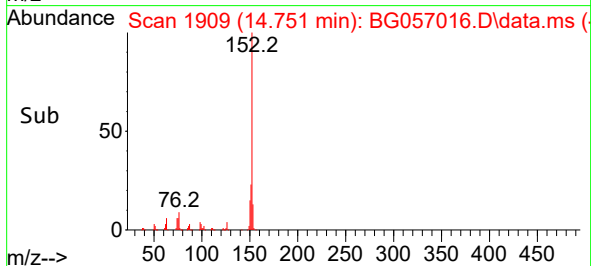
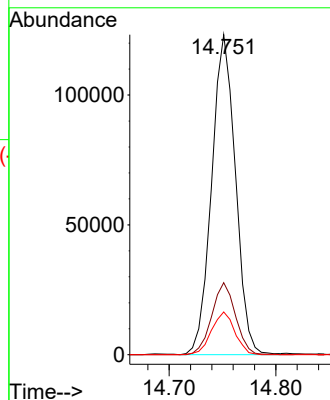
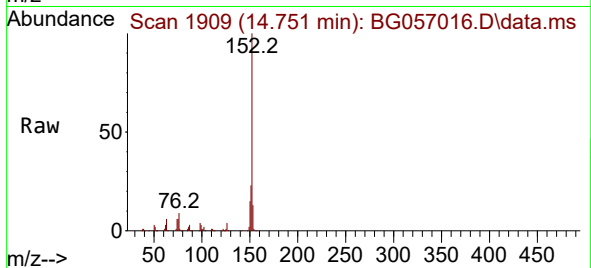
Tgt Ion:152 Resp: 191257

Ion Ratio Lower Upper

152 100

151 22.5 18.2 27.2

153 13.3 10.5 15.7



#50

Dimethylphthalate

Concen: 45.211 ng

RT: 14.457 min Scan# 1859

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

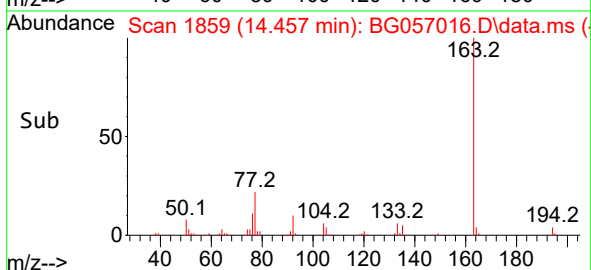
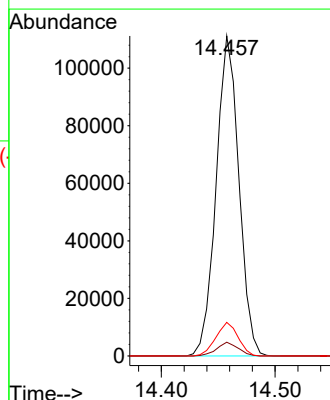
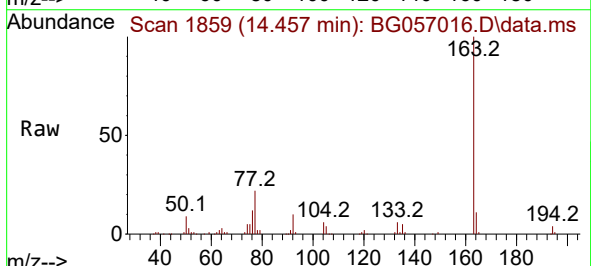
Tgt Ion:163 Resp: 154774

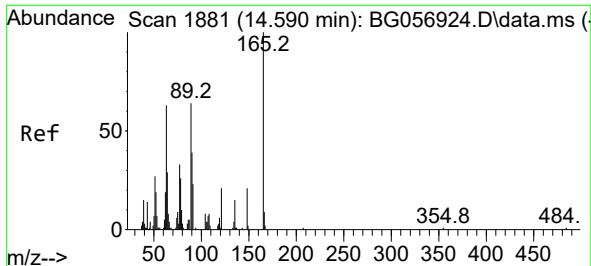
Ion Ratio Lower Upper

163 100

194 4.3 2.8 4.2#

164 10.5 8.8 13.2

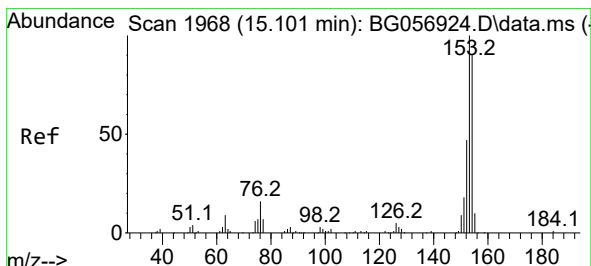
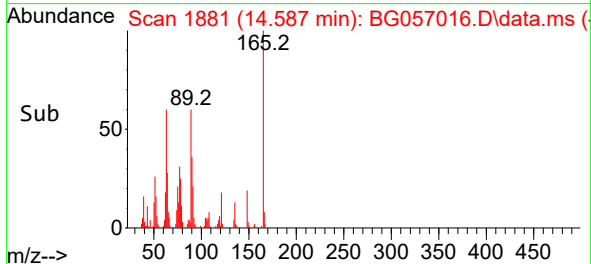
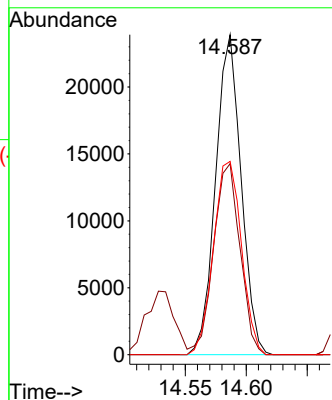
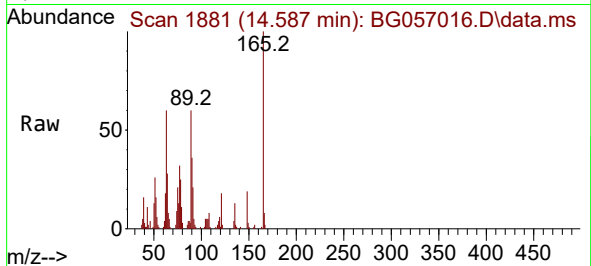




#51
2,6-Dinitrotoluene
Concen: 47.110 ng
RT: 14.587 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

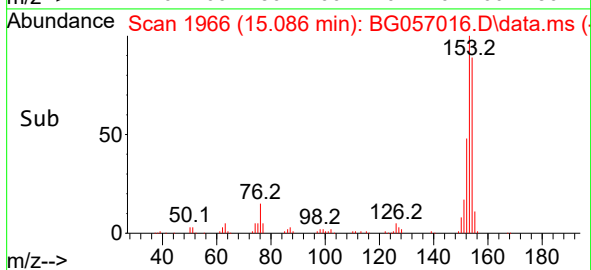
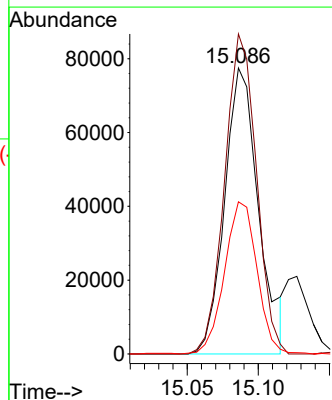
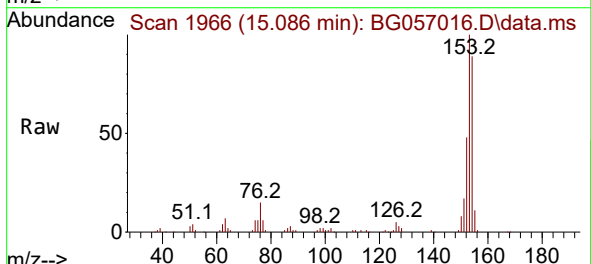
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

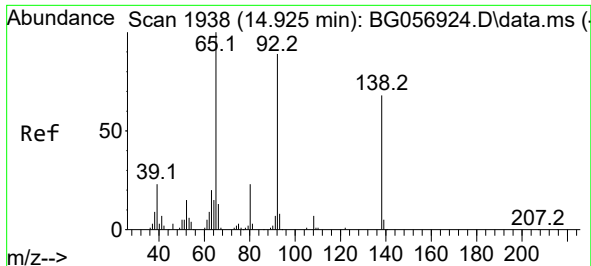
Tgt Ion:165 Resp: 34845
Ion Ratio Lower Upper
165 100
63 59.7 53.0 79.6
89 60.4 51.0 76.4



#52
Acenaphthene
Concen: 48.211 ng
RT: 15.086 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:154 Resp: 128507
Ion Ratio Lower Upper
154 100
153 111.9 88.9 133.3
152 53.2 41.8 62.8

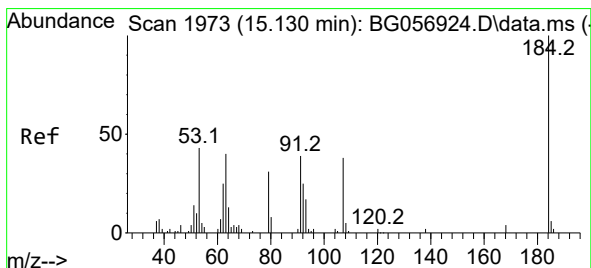
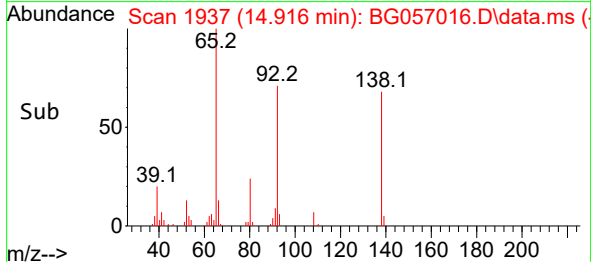
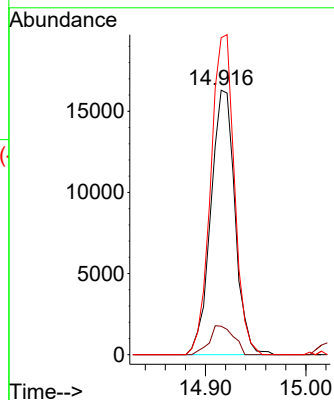
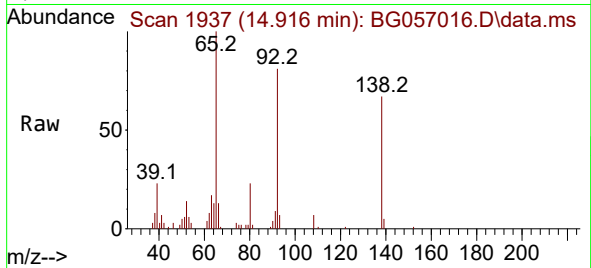




#53
3-Nitroaniline
Concen: 37.242 ng
RT: 14.916 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

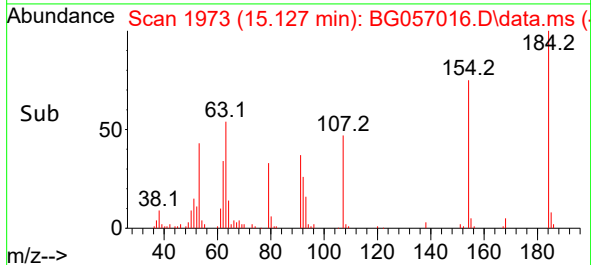
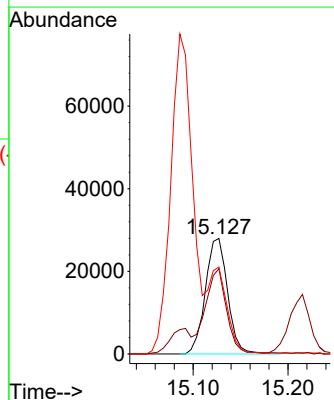
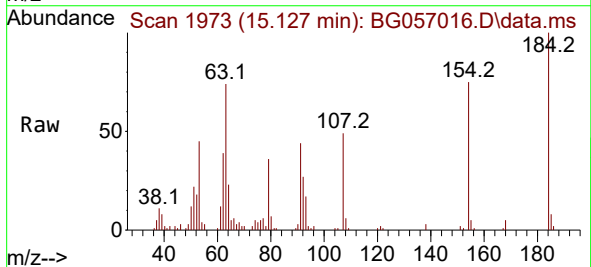
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

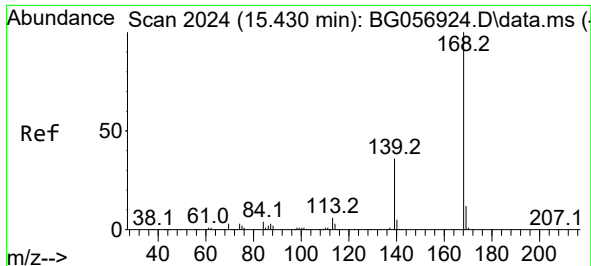
Tgt Ion:138 Resp: 27266
Ion Ratio Lower Upper
138 100
108 10.8 8.2 12.2
92 119.9 105.2 157.8



#54
2,4-Dinitrophenol
Concen: 109.690 ng
RT: 15.127 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:184 Resp: 45667
Ion Ratio Lower Upper
184 100
63 73.8 46.5 69.7#
154 75.3 53.5 80.3

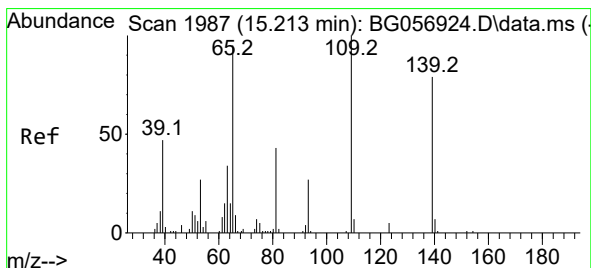
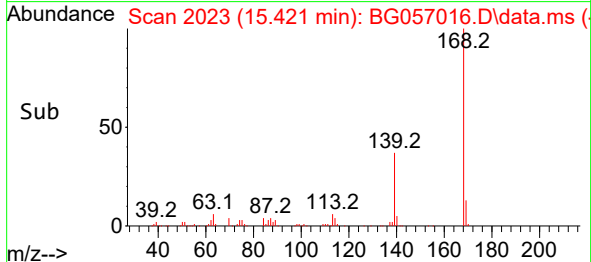
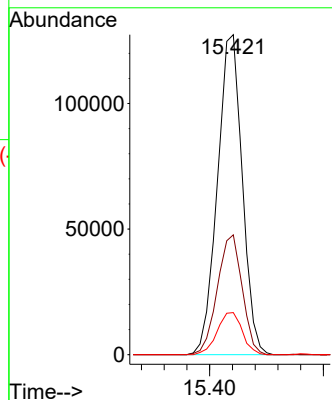
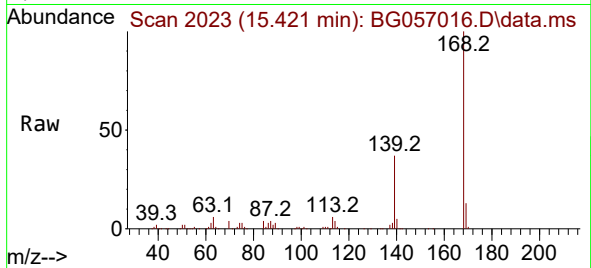




#55
Dibenzenofuran
Concen: 48.260 ng
RT: 15.421 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

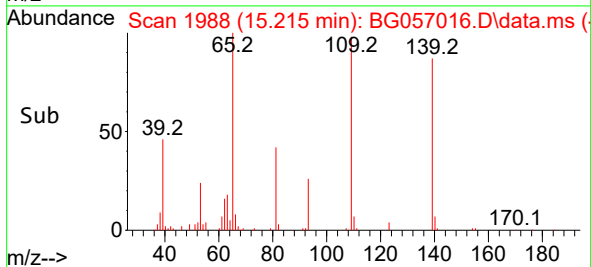
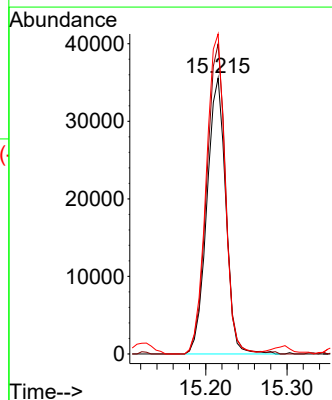
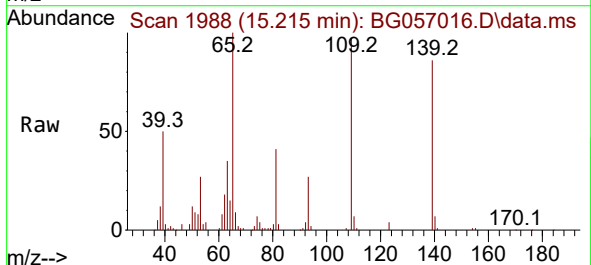
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

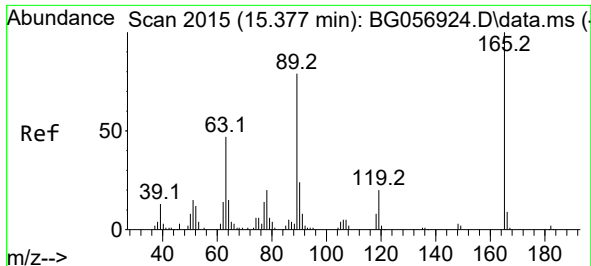
Tgt Ion:168 Resp: 193071
Ion Ratio Lower Upper
168 100
139 37.5 28.9 43.3
169 13.1 9.8 14.6



#56
4-Nitrophenol
Concen: 105.685 ng
RT: 15.215 min Scan# 1988
Delta R.T. 0.005 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:139 Resp: 57216
Ion Ratio Lower Upper
139 100
109 112.3 106.7 146.7
65 116.0 100.5 140.5





#57

2,4-Dinitrotoluene

Concen: 46.366 ng

RT: 15.368 min Scan# 20

Delta R.T. -0.006 min

Lab File: BG057016.D

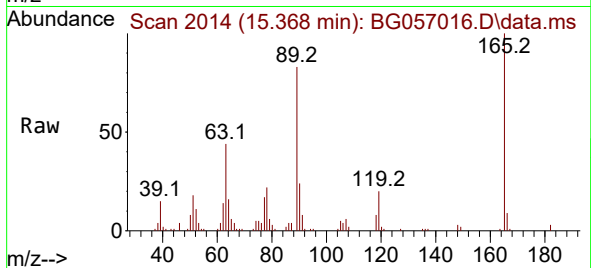
Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD



Tgt Ion:165 Resp: 48369

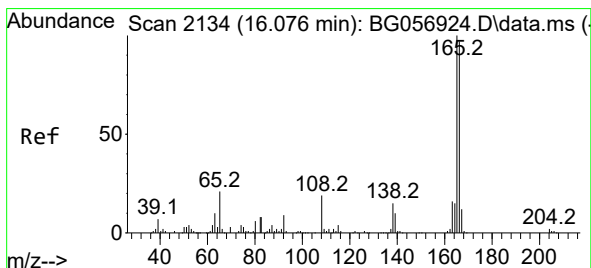
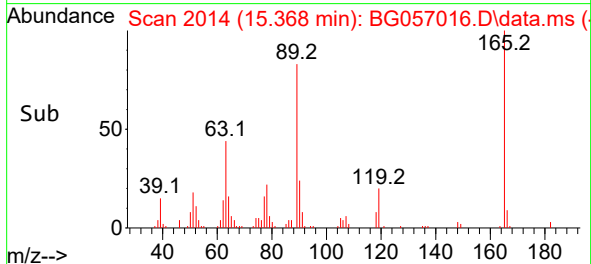
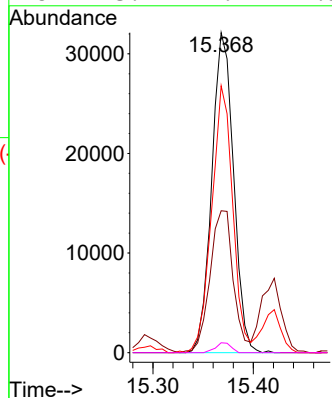
Ion Ratio Lower Upper

165 100

63 44.4 37.7 56.5

89 83.4 63.2 94.8

182 3.1 1.7 2.5#



#58

Fluorene

Concen: 48.684 ng

RT: 16.061 min Scan# 2132

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

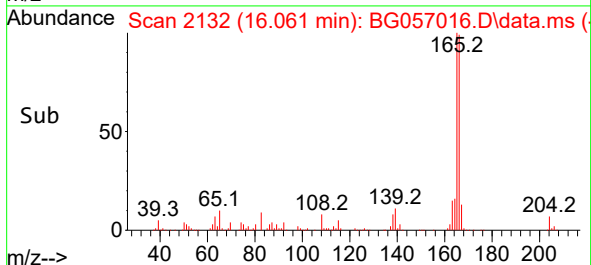
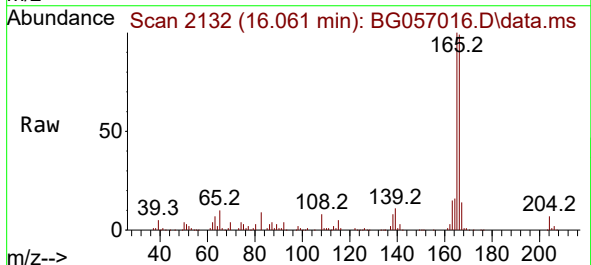
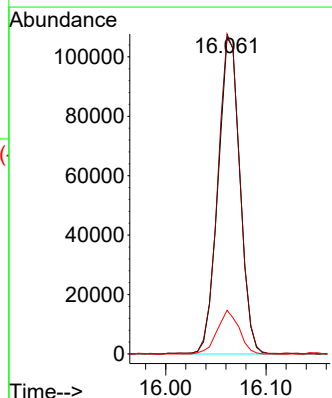
Tgt Ion:166 Resp: 161167

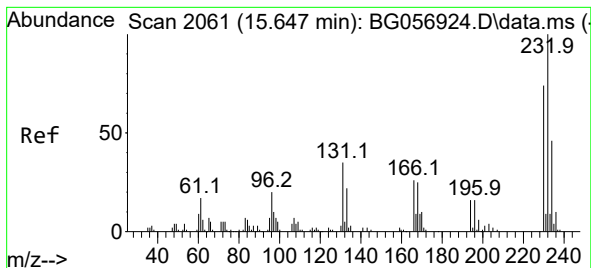
Ion Ratio Lower Upper

166 100

165 101.0 82.6 123.8

167 13.8 10.2 15.2

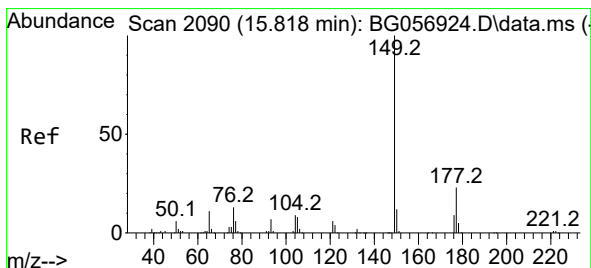
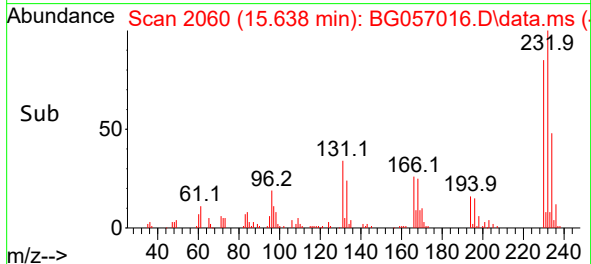
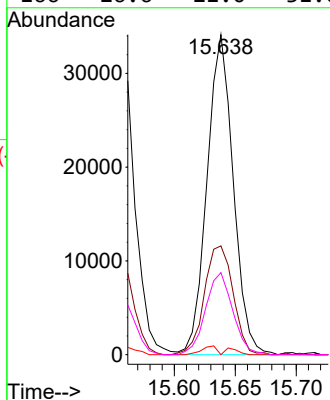
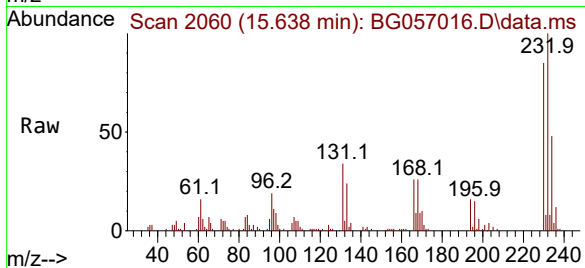




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.182 ng
RT: 15.638 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

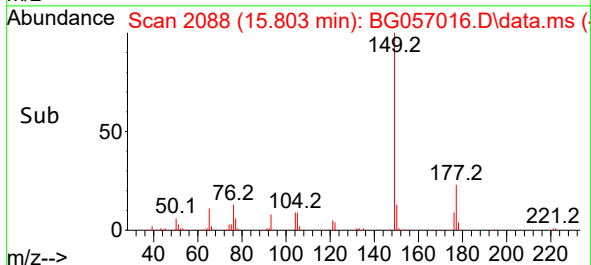
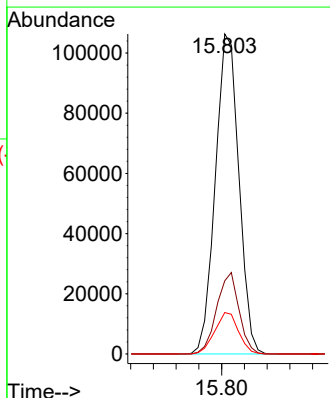
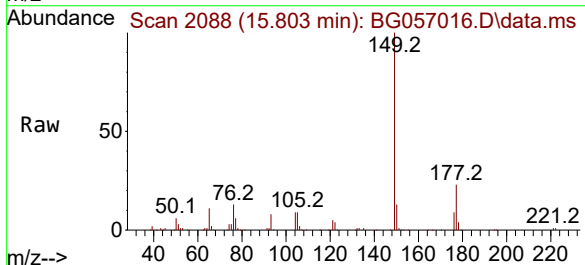
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

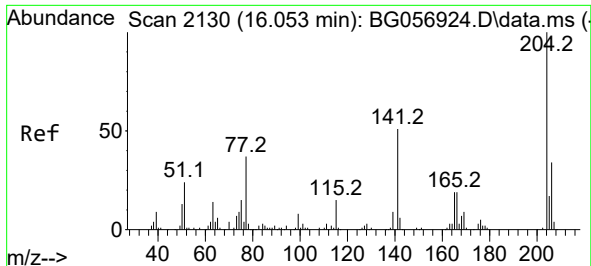
Tgt Ion:232 Resp: 51004
Ion Ratio Lower Upper
232 100
131 37.3 29.3 43.9
130 1.5 1.7 2.5#
166 26.6 21.0 31.6



#60
Diethylphthalate
Concen: 44.477 ng
RT: 15.803 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:149 Resp: 152643
Ion Ratio Lower Upper
149 100
177 22.9 18.8 28.2
150 13.0 9.4 14.2

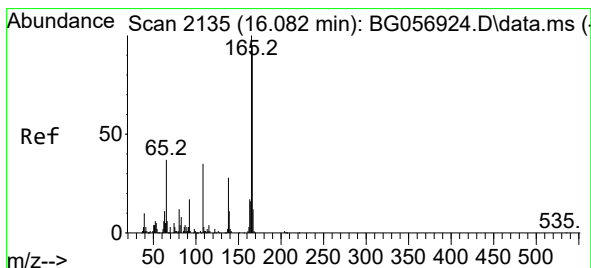
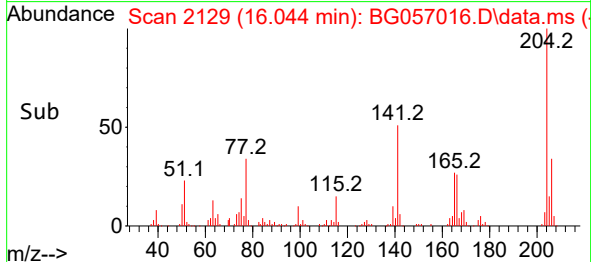
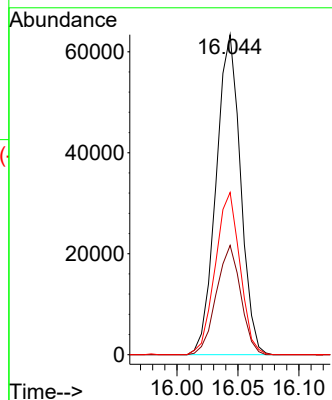
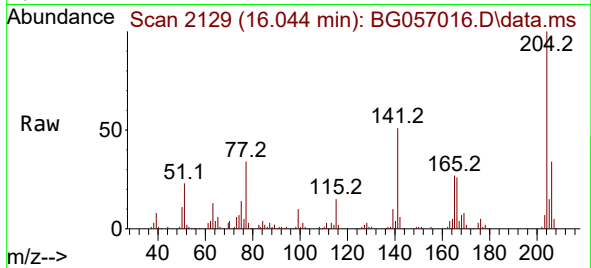




#61
4-Chlorophenyl-phenylether
Concen: 45.472 ng
RT: 16.044 min Scan# 211
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

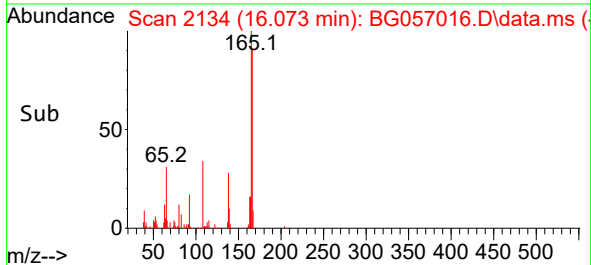
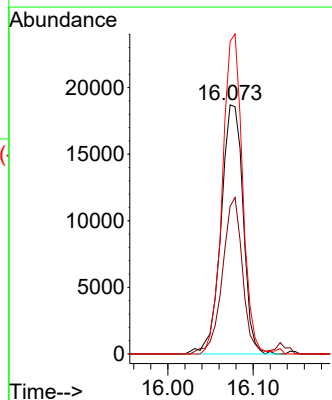
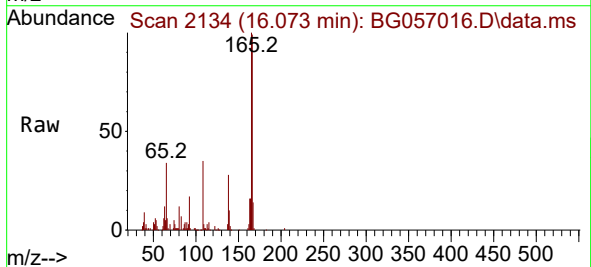
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

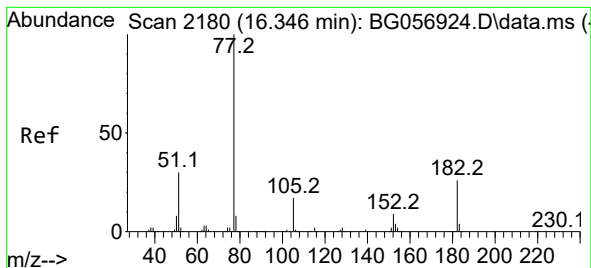
Tgt Ion:204 Resp: 88383
Ion Ratio Lower Upper
204 100
206 34.2 27.2 40.8
141 50.7 40.7 61.1



#62
4-Nitroaniline
Concen: 44.164 ng
RT: 16.073 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:138 Resp: 33500
Ion Ratio Lower Upper
138 100
92 59.2 40.9 80.9
108 125.4 104.3 144.3





#63

Azobenzene

Concen: 45.837 ng

RT: 16.337 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

Tgt Ion: 77 Resp: 156773

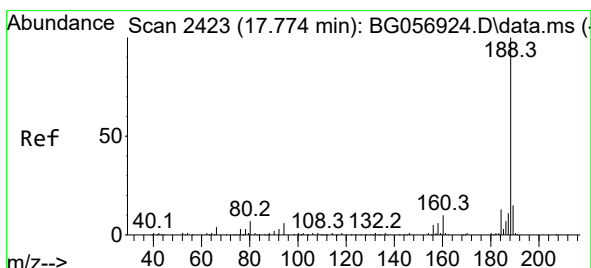
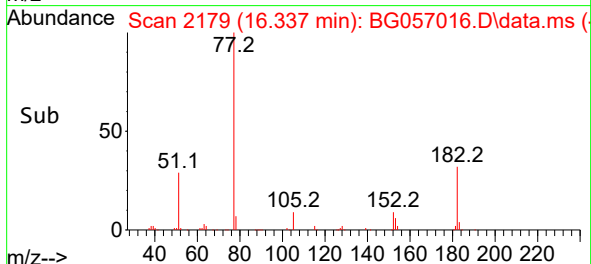
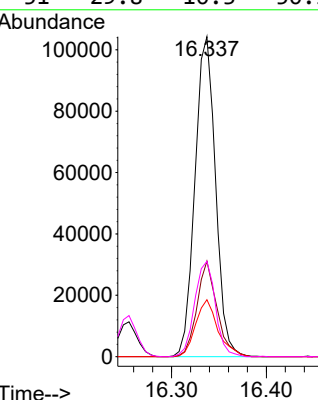
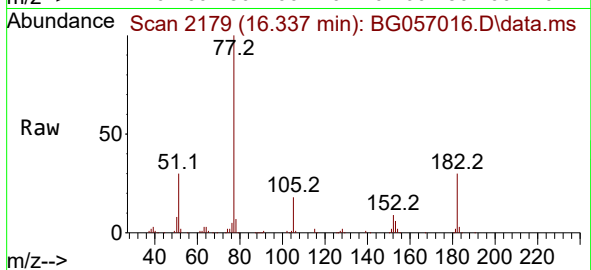
Ion Ratio Lower Upper

77 100

182 29.9 5.9 45.9

105 17.8 0.0 36.8

51 29.8 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.759 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

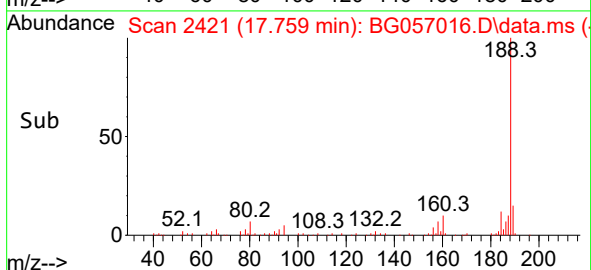
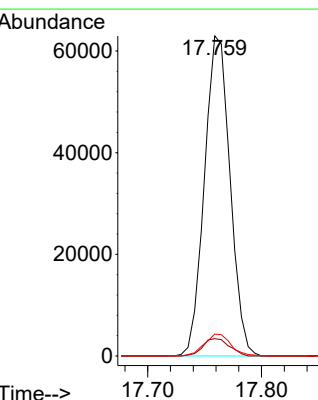
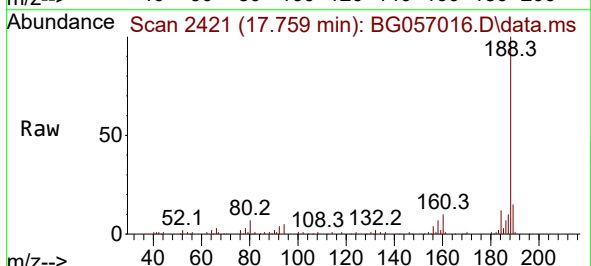
Tgt Ion:188 Resp: 98562

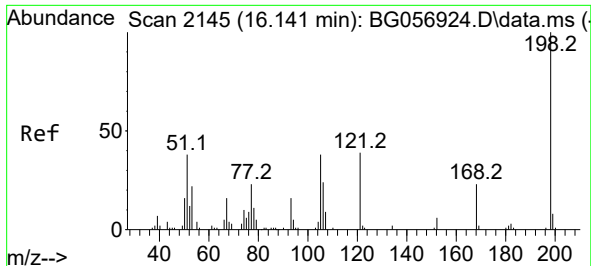
Ion Ratio Lower Upper

188 100

94 5.4 4.6 6.8

80 6.9 5.5 8.3

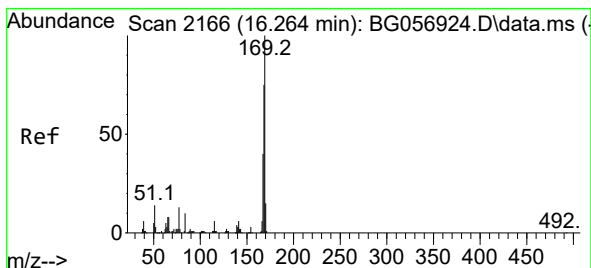
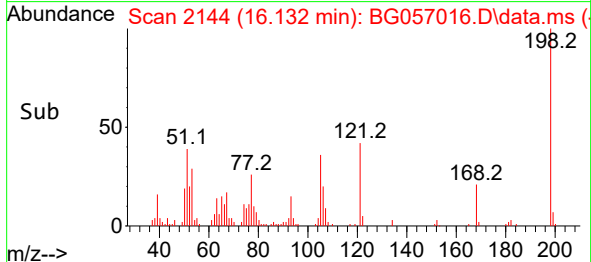
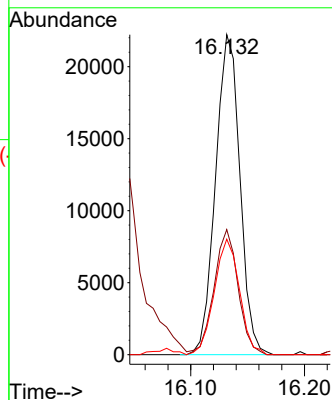
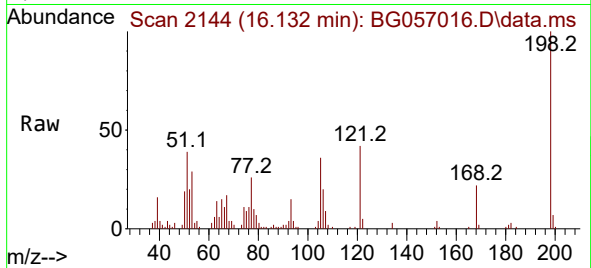




#65
4,6-Dinitro-2-methylphenol
Concen: 55.398 ng
RT: 16.132 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

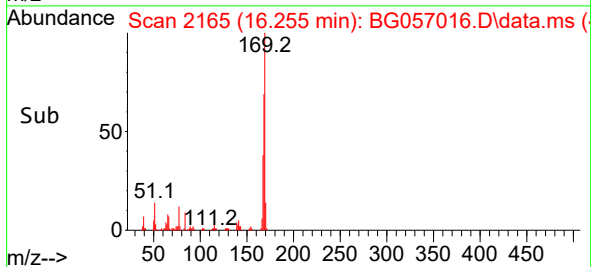
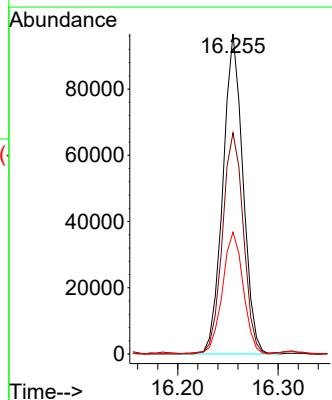
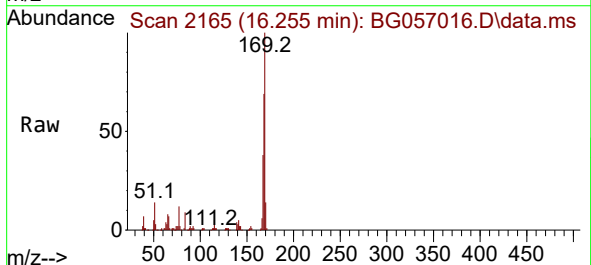
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

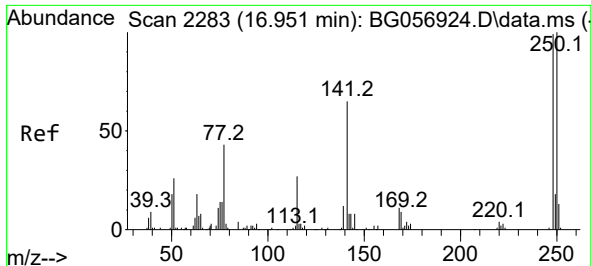
Tgt Ion:198 Resp: 33069
Ion Ratio Lower Upper
198 100
51 39.1 20.5 60.5
105 36.1 18.1 58.1



#66
n-Nitrosodiphenylamine
Concen: 50.684 ng
RT: 16.255 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:169 Resp: 134100
Ion Ratio Lower Upper
169 100
168 69.1 59.6 89.4
167 38.1 31.8 47.8

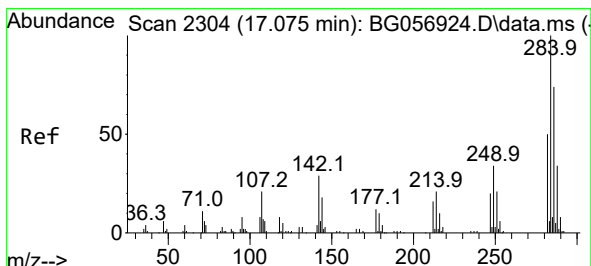
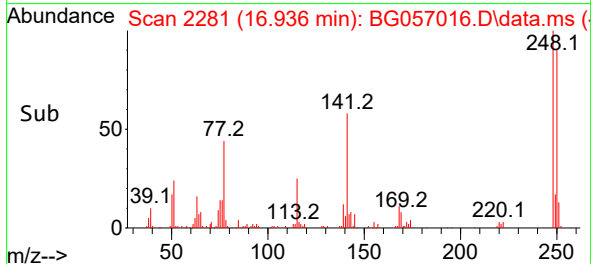
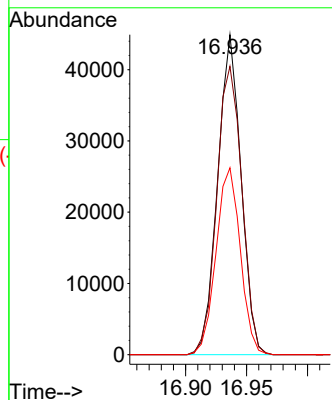
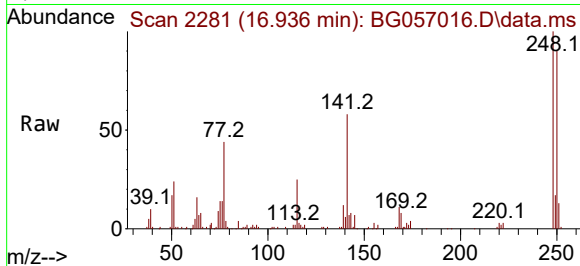




#67
4-Bromophenyl-phenylether
Concen: 49.279 ng
RT: 16.936 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

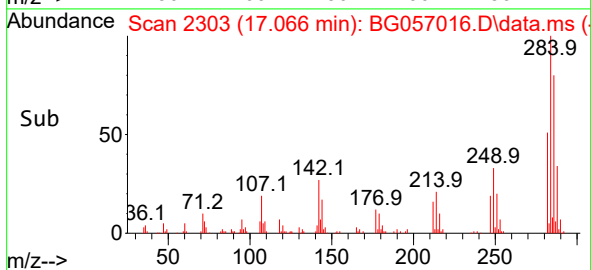
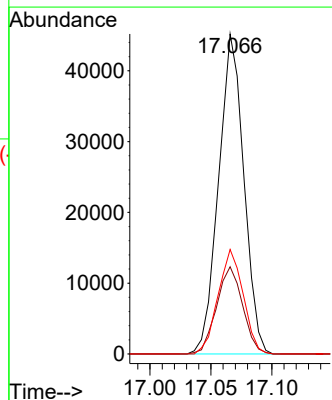
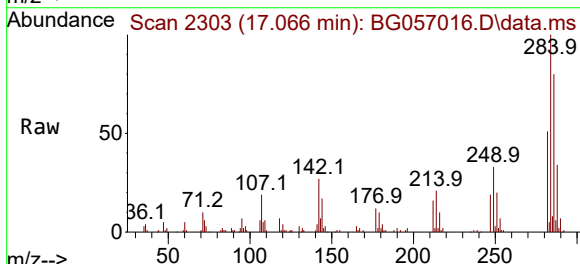
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

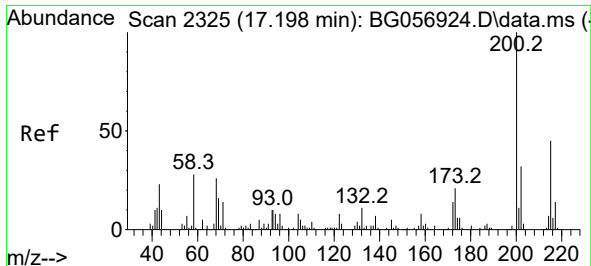
Tgt Ion:248 Resp: 60097
Ion Ratio Lower Upper
248 100
250 90.1 80.5 120.7
141 58.4 52.0 78.0



#68
Hexachlorobenzene
Concen: 54.025 ng
RT: 17.066 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:284 Resp: 65138
Ion Ratio Lower Upper
284 100
142 27.3 23.0 34.4
249 32.6 27.1 40.7

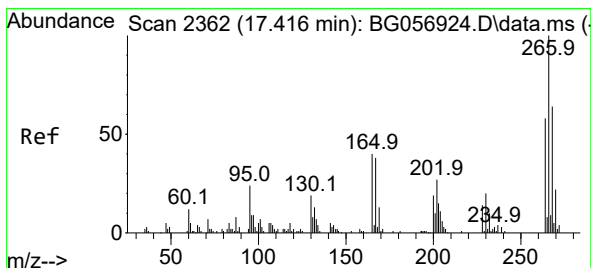
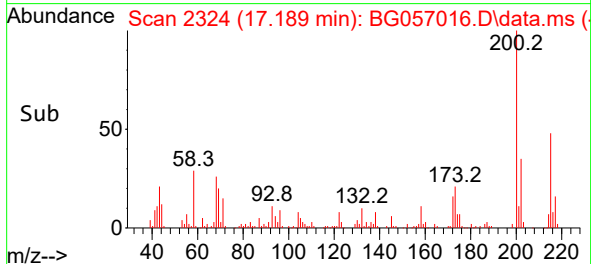
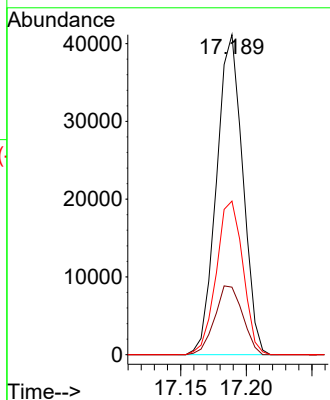
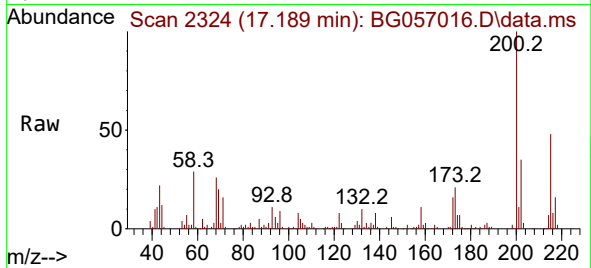




#69
Atrazine
Concen: 52.027 ng
RT: 17.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

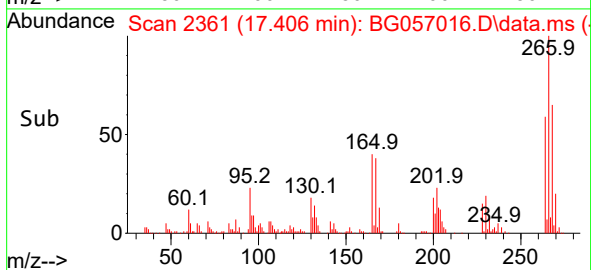
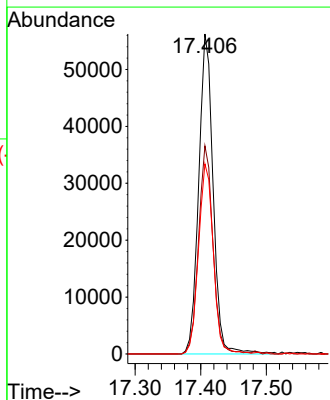
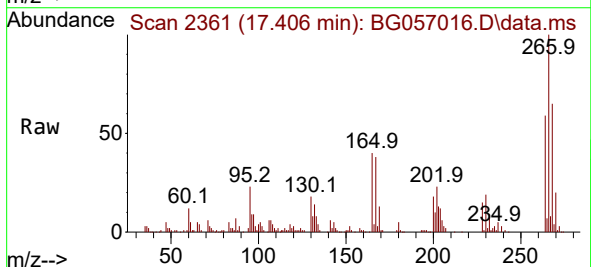
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

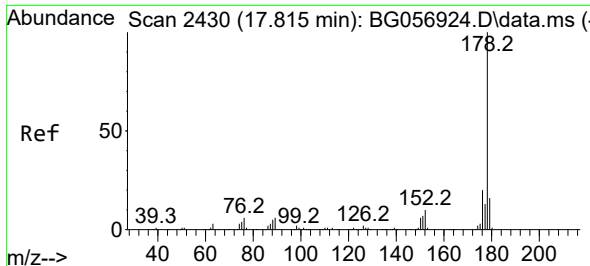
Tgt Ion:200 Resp: 57141
Ion Ratio Lower Upper
200 100
173 21.1 1.0 41.0
215 48.0 25.0 65.0



#70
Pentachlorophenol
Concen: 99.731 ng
RT: 17.406 min Scan# 2361
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:266 Resp: 86265
Ion Ratio Lower Upper
266 100
268 65.1 51.0 76.6
264 59.4 46.8 70.2

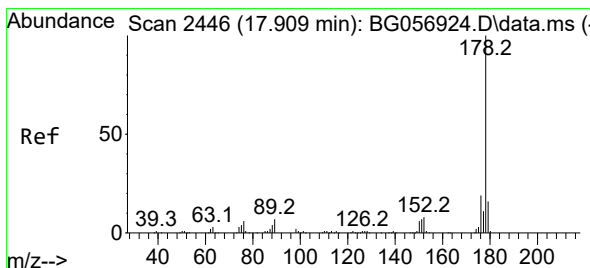
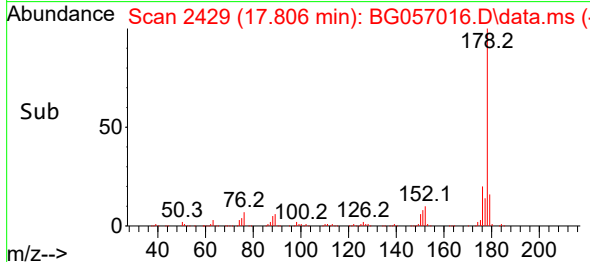
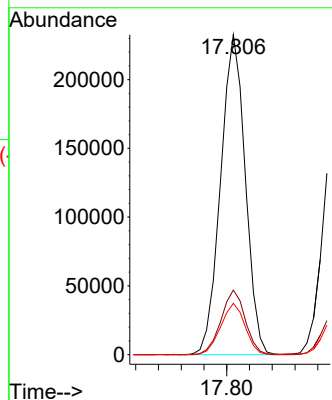
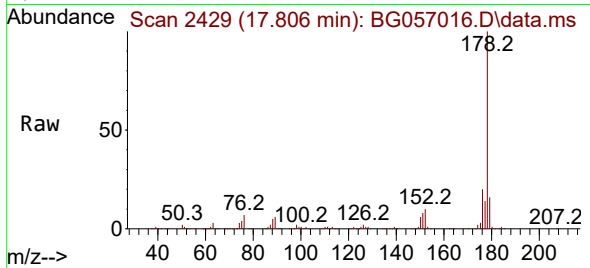




#71
Phenanthrene
Concen: 69.647 ng
RT: 17.806 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

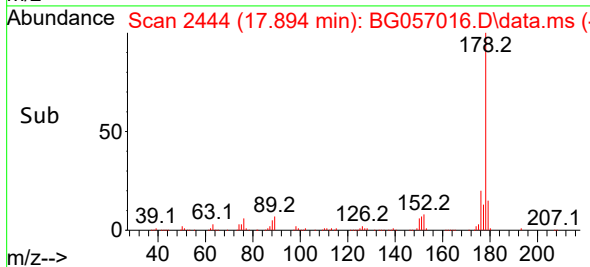
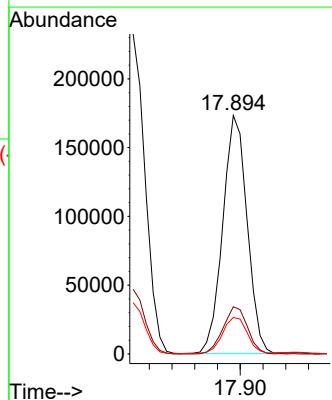
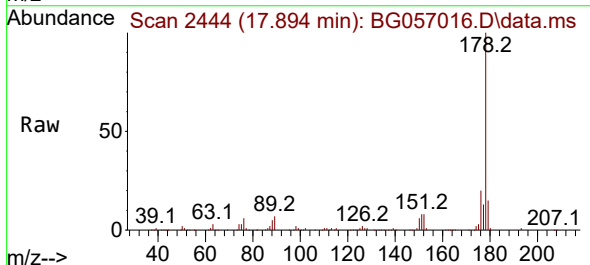
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

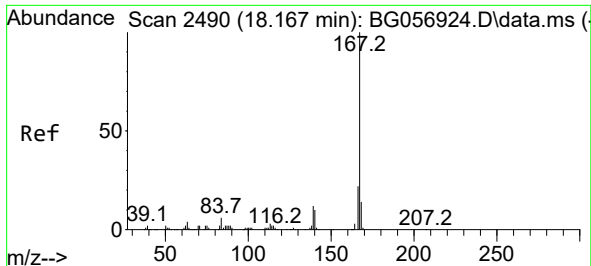
Tgt Ion:178 Resp: 349985
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 16.1 12.5 18.7



#72
Anthracene
Concen: 50.033 ng
RT: 17.894 min Scan# 2444
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:178 Resp: 257740
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 15.3 12.4 18.6

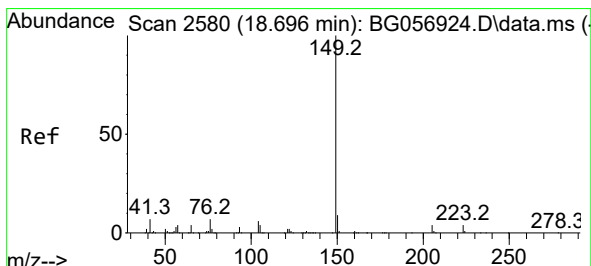
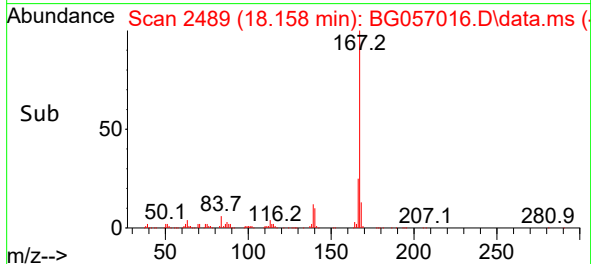
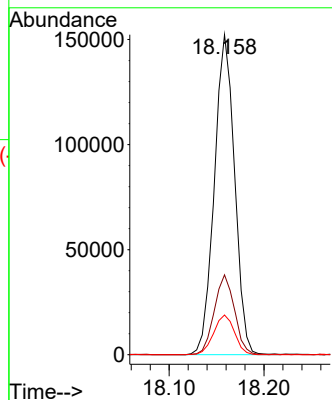
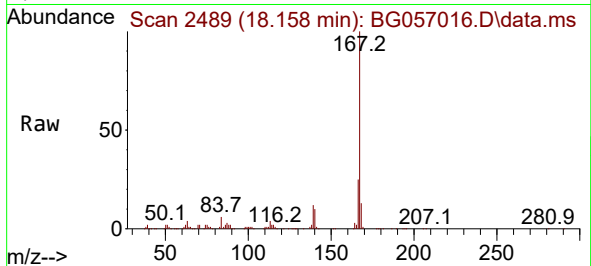




#73
 Carbazole
 Concen: 50.367 ng
 RT: 18.158 min Scan# 2490
 Delta R.T. -0.000 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

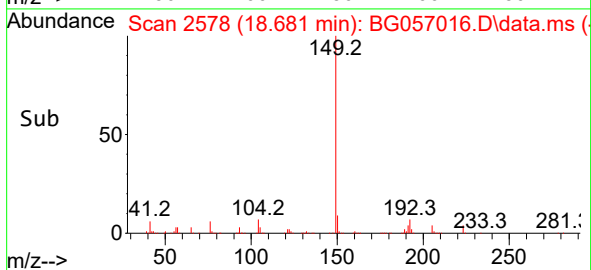
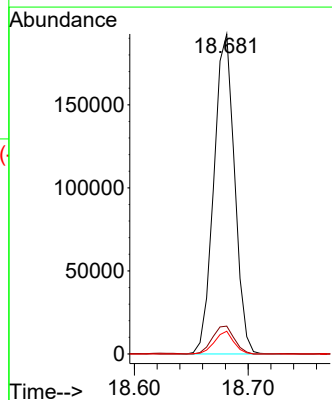
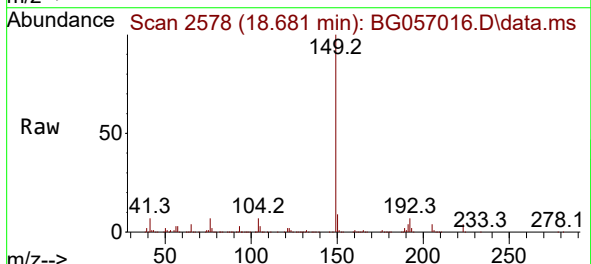
Instrument :
 BNA_G
 ClientSampleId :
 72-11982MSD

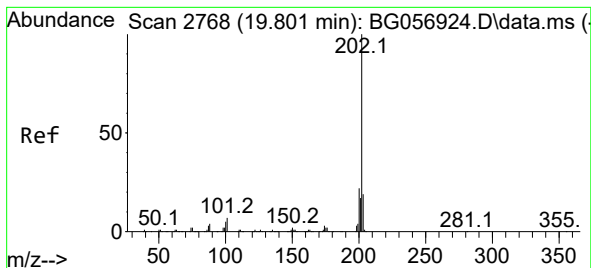
Tgt Ion:167 Resp: 226217
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.9 26.9
 139 12.4 9.5 14.3



#74
 Di-n-butylphthalate
 Concen: 46.854 ng
 RT: 18.681 min Scan# 2578
 Delta R.T. -0.000 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

Tgt Ion:149 Resp: 243686
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.4 11.0
 104 7.1 4.9 7.3





#75

Fluoranthene

Concen: 71.531 ng

RT: 19.791 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

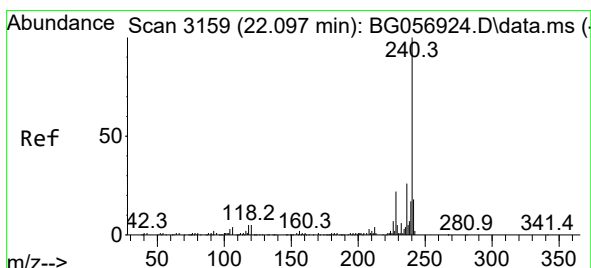
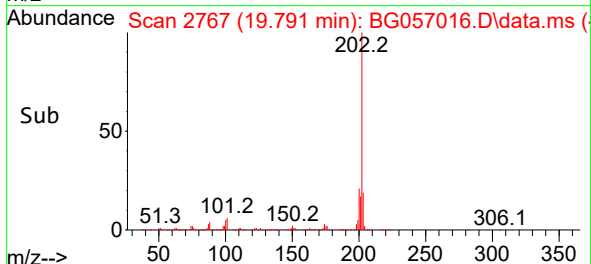
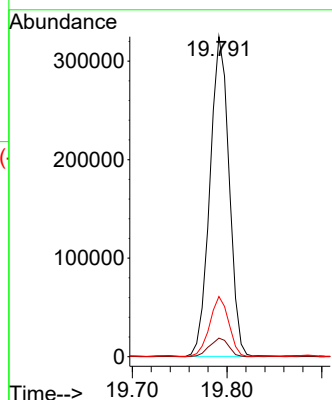
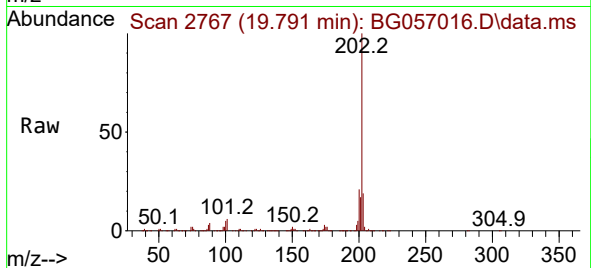
Tgt Ion:202 Resp: 455664

Ion Ratio Lower Upper

202 100

101 5.8 0.0 26.7

203 18.8 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.082 min Scan# 3157

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

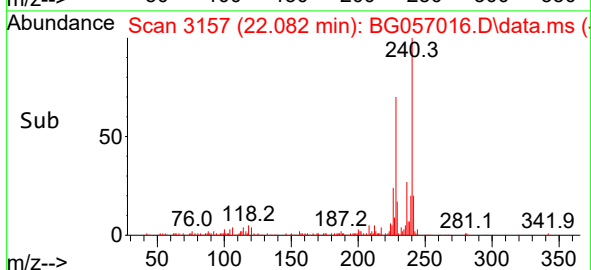
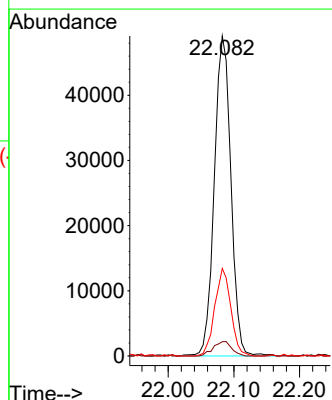
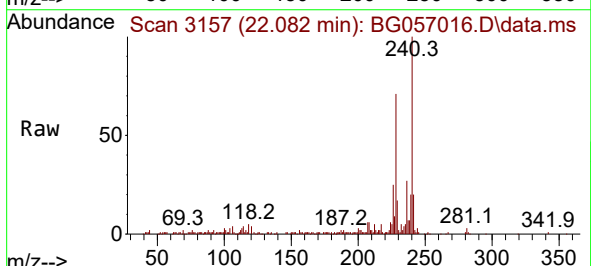
Tgt Ion:240 Resp: 86331

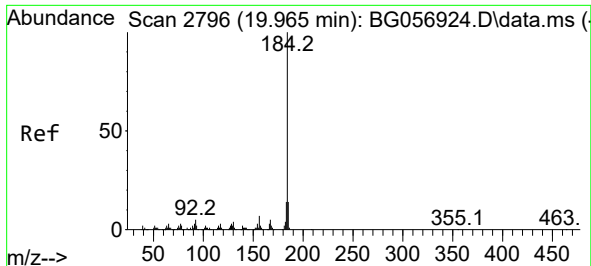
Ion Ratio Lower Upper

240 100

120 4.4 3.8 5.6

236 27.4 21.0 31.6

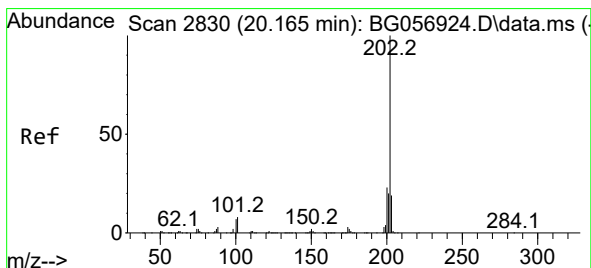
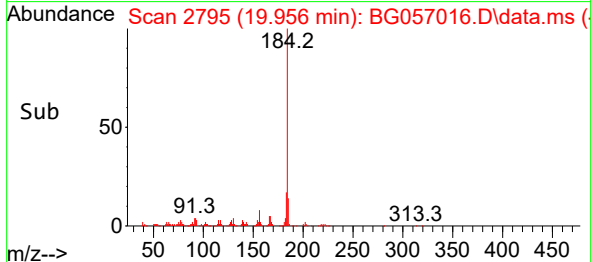
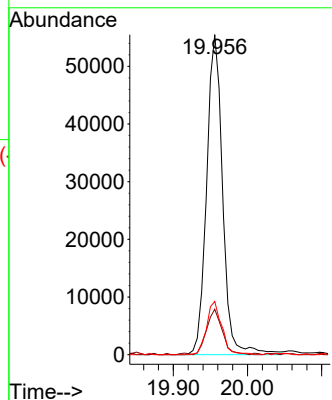
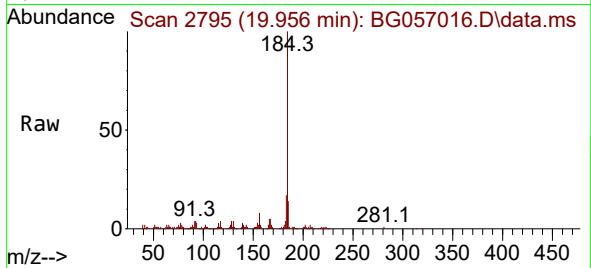




#77
Benzidine
Concen: 35.355 ng
RT: 19.956 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

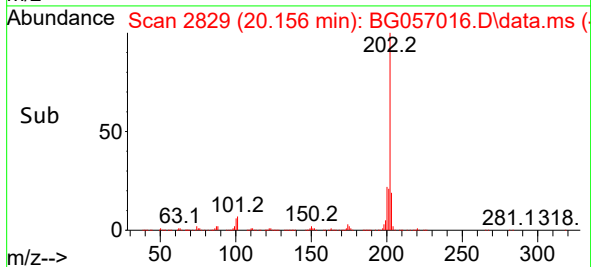
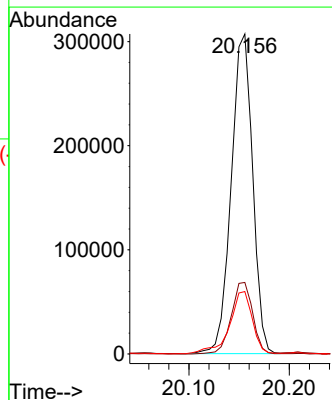
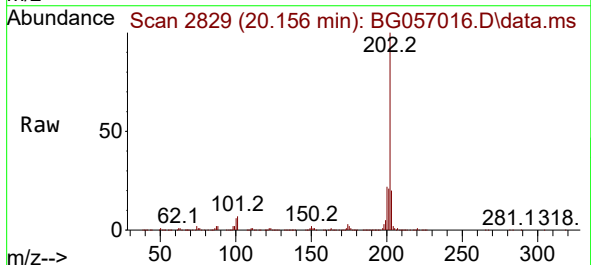
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

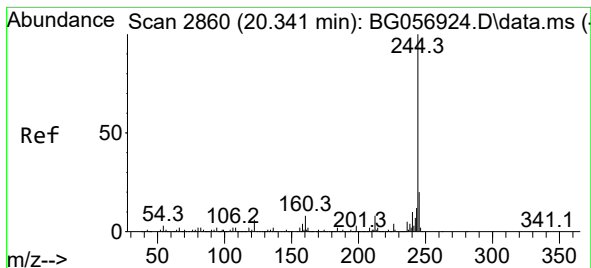
Tgt Ion:184 Resp: 83428
Ion Ratio Lower Upper
184 100
185 14.2 11.0 16.4
183 16.7 11.4 17.0



#78
Pyrene
Concen: 76.253 ng
RT: 20.156 min Scan# 2829
Delta R.T. 0.005 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:202 Resp: 455314
Ion Ratio Lower Upper
202 100
200 22.4 18.7 28.1
203 19.5 15.4 23.2





#79

Terphenyl-d14

Concen: 62.158 ng

RT: 20.326 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

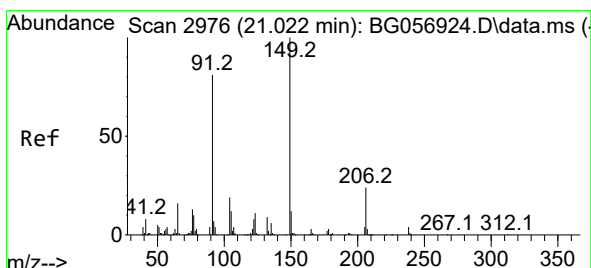
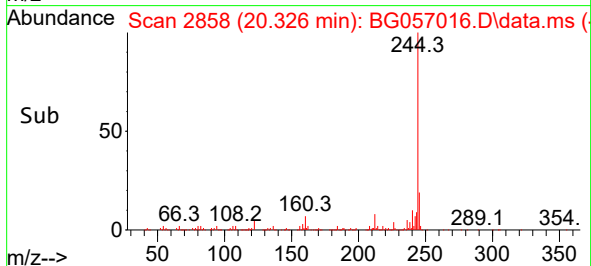
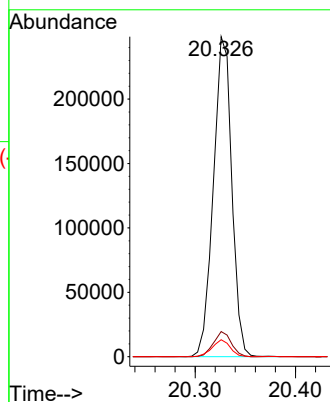
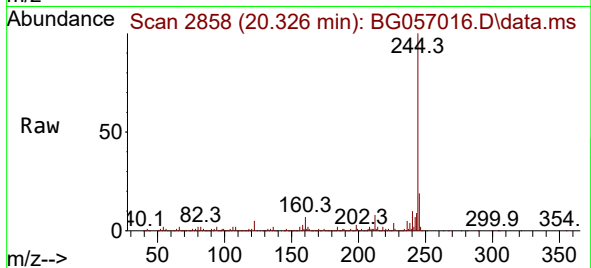
Tgt Ion:244 Resp: 317121

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

122 5.3 5.0 7.4



#80

Butylbenzylphthalate

Concen: 47.931 ng

RT: 21.007 min Scan# 2974

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

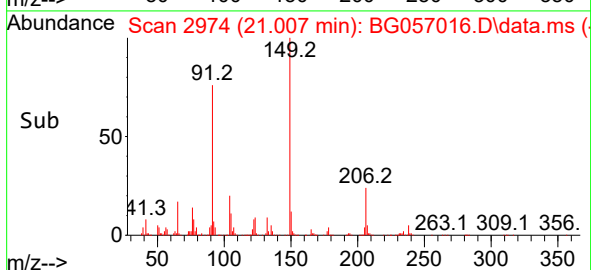
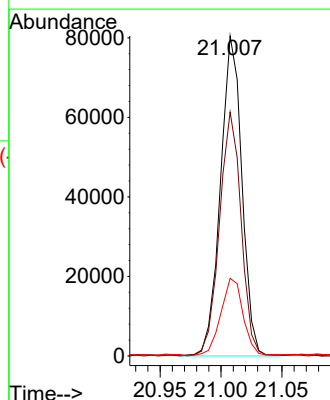
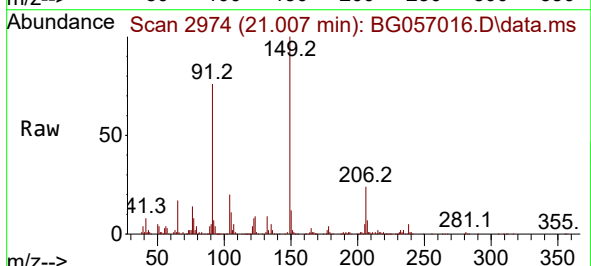
Tgt Ion:149 Resp: 98487

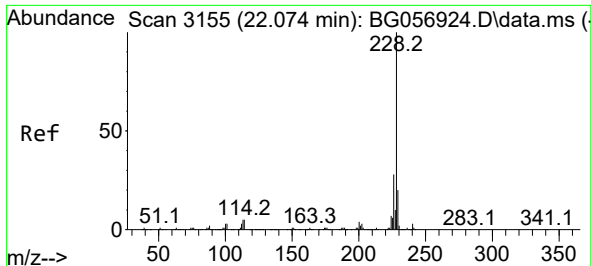
Ion Ratio Lower Upper

149 100

91 76.2 64.4 96.6

206 24.2 18.9 28.3

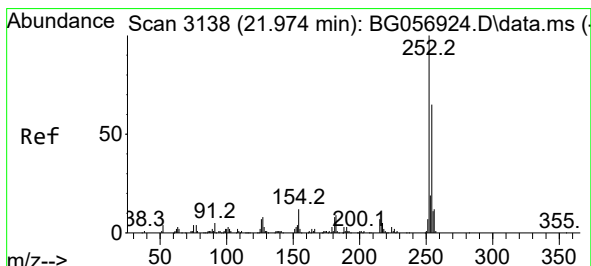
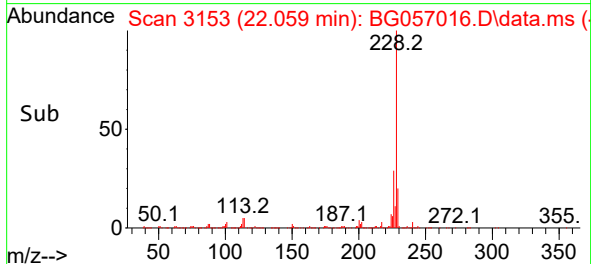
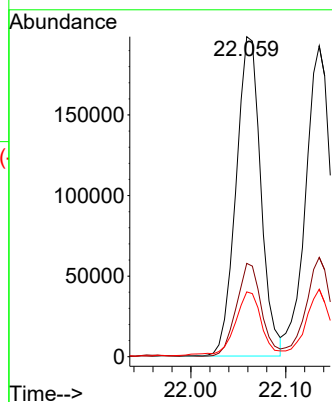
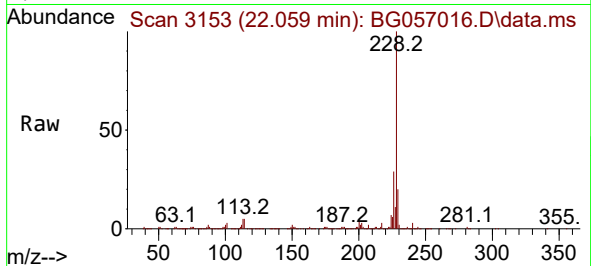




#81
Benzo(a)anthracene
Concen: 60.198 ng
RT: 22.059 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

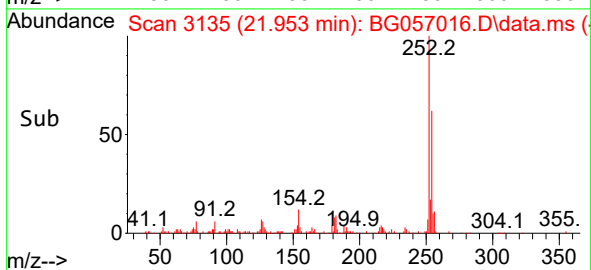
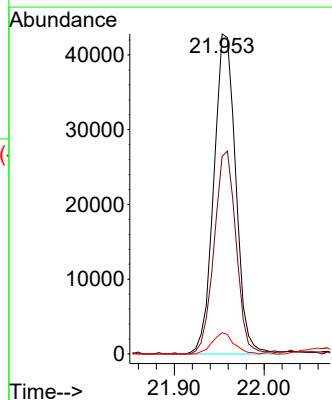
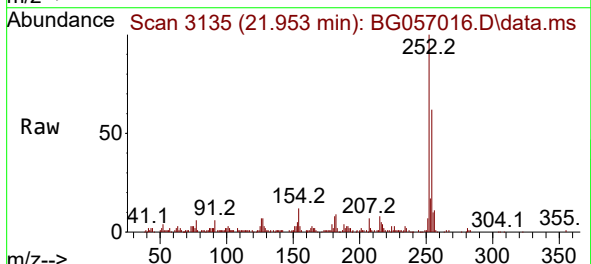
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

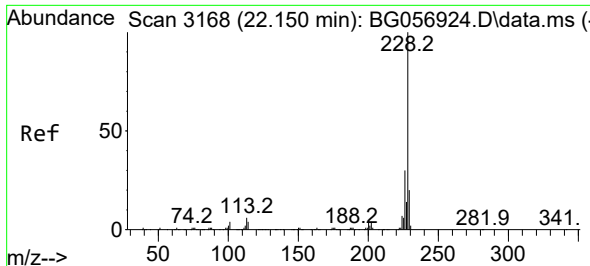
Tgt Ion:228 Resp: 359627
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 20.2 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 36.019 ng
RT: 21.953 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:252 Resp: 72662
Ion Ratio Lower Upper
252 100
254 61.7 51.7 77.5
126 6.7 5.6 8.4





#83

Chrysene

Concen: 62.832 ng

RT: 22.135 min Scan# 3166

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

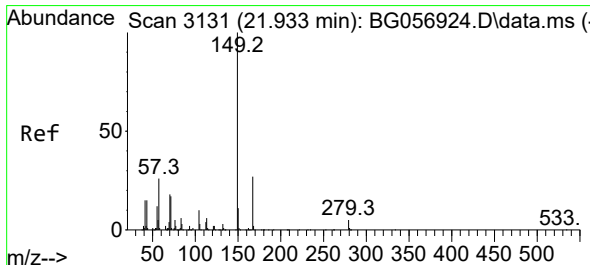
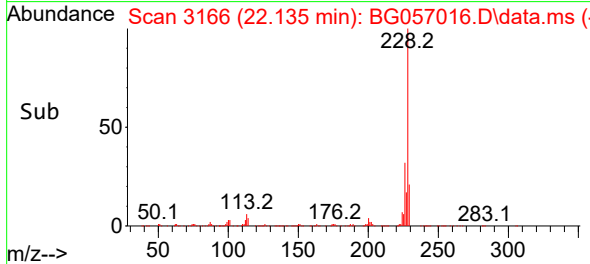
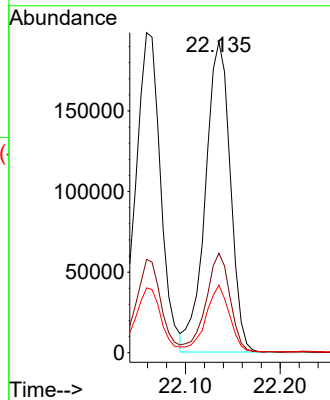
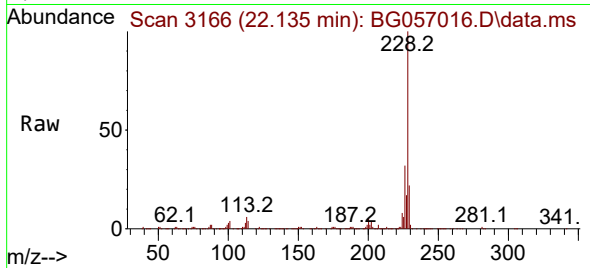
Tgt Ion:228 Resp: 351460

Ion Ratio Lower Upper

228 100

226 32.0 24.1 36.1

229 21.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.192 ng

RT: 21.912 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

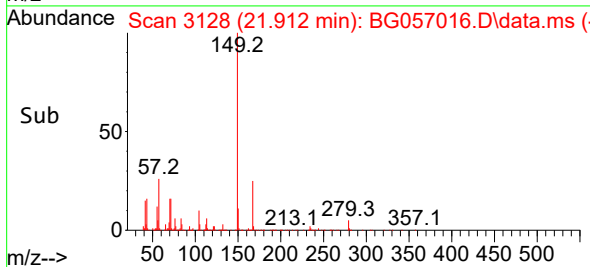
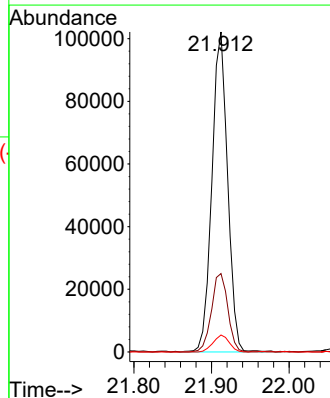
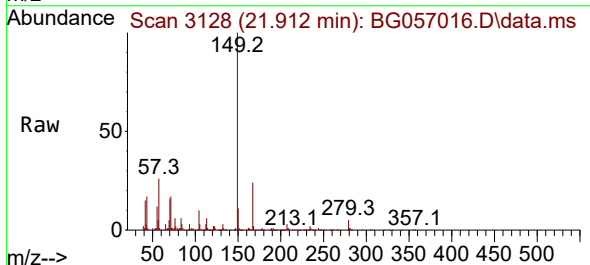
Tgt Ion:149 Resp: 143390

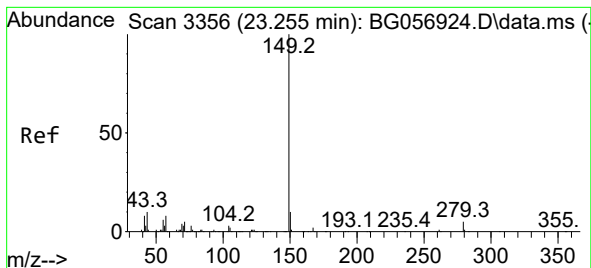
Ion Ratio Lower Upper

149 100

167 24.5 21.4 32.2

279 5.3 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 47.588 ng

RT: 23.228 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

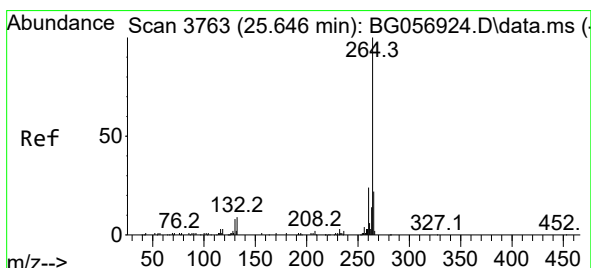
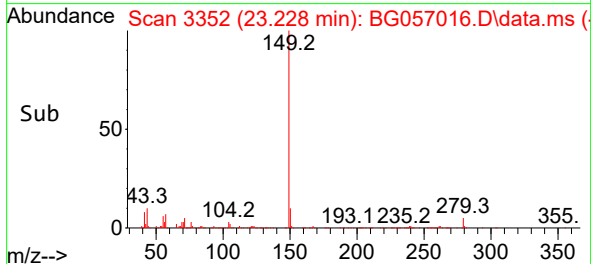
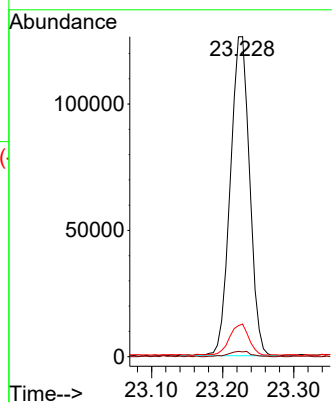
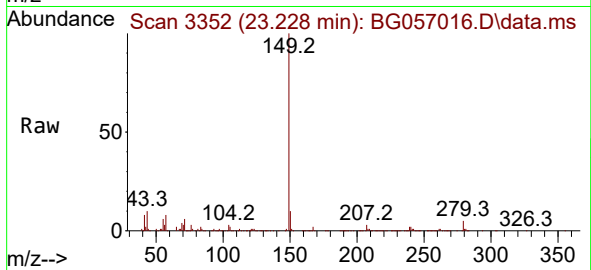
Tgt Ion:149 Resp: 238607

Ion Ratio Lower Upper

149 100

167 2.0 1.3 1.9#

43 9.7 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.625 min Scan# 3760

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

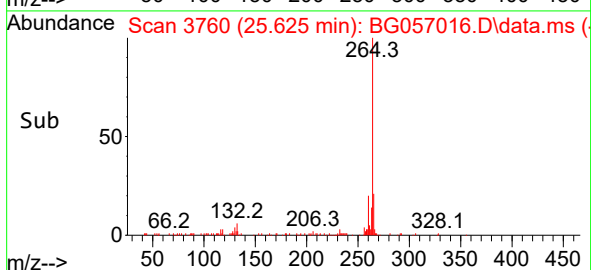
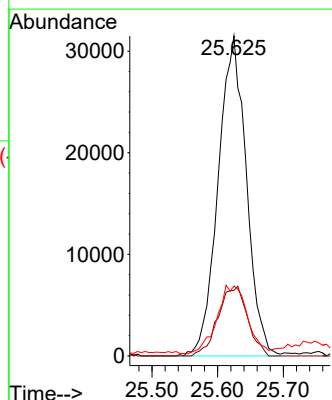
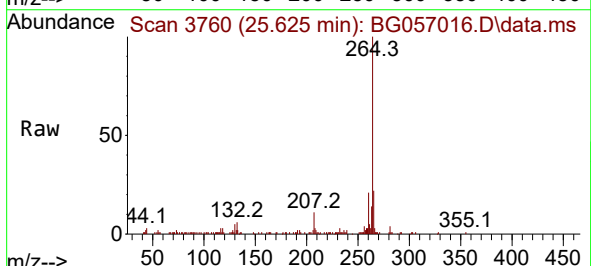
Tgt Ion:264 Resp: 93822

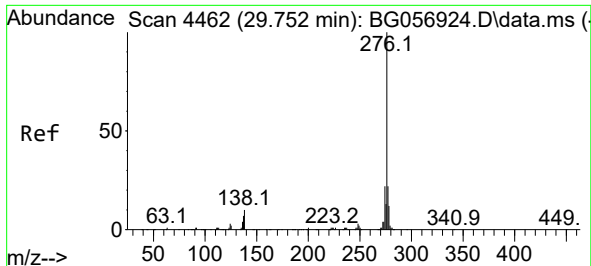
Ion Ratio Lower Upper

264 100

260 20.5 19.0 28.4

265 21.8 17.8 26.6

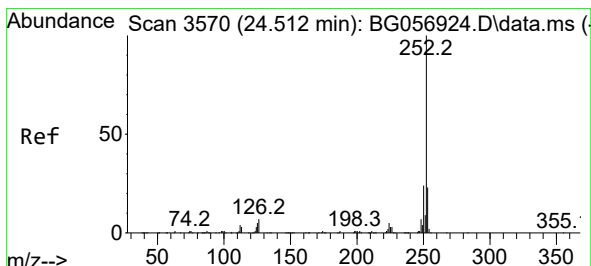
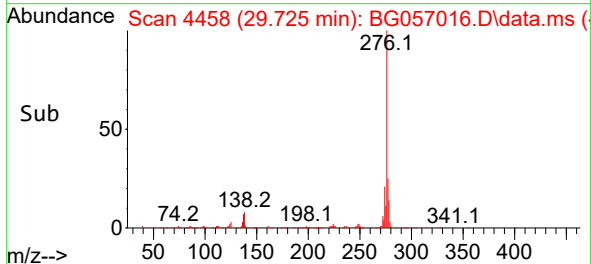
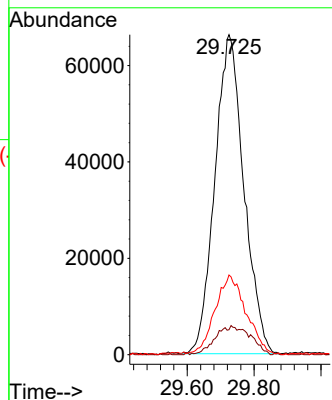
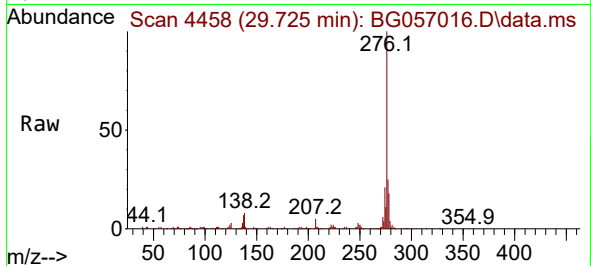




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 57.558 ng
 RT: 29.725 min Scan# 4462
 Delta R.T. -0.000 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

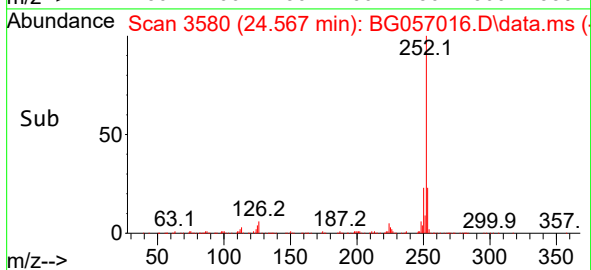
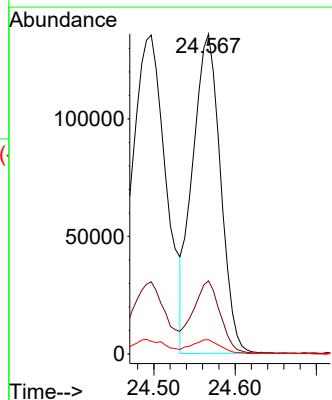
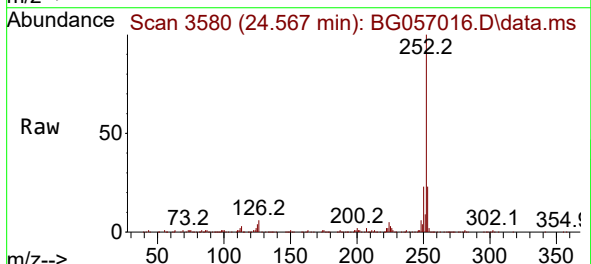
Instrument :
 BNA_G
 ClientSampleId :
 72-11982MSD

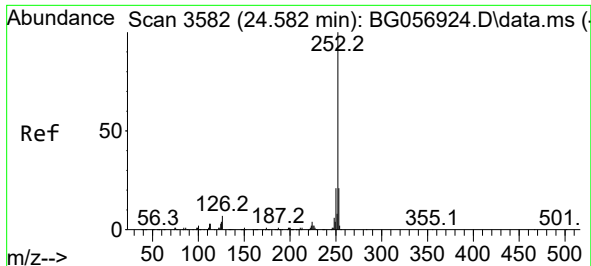
Tgt Ion:276 Resp: 399100
 Ion Ratio Lower Upper
 276 100
 138 4.2 7.7 11.5#
 277 26.2 21.0 31.4



#88
 Benzo(b)fluoranthene
 Concen: 55.269 ng
 RT: 24.567 min Scan# 3580
 Delta R.T. 0.076 min
 Lab File: BG057016.D
 Acq: 6 Apr 2023 17:37

Tgt Ion:252 Resp: 324261
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.1 27.1
 125 4.4 4.2 6.4

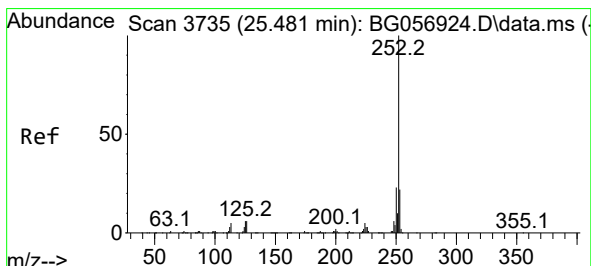
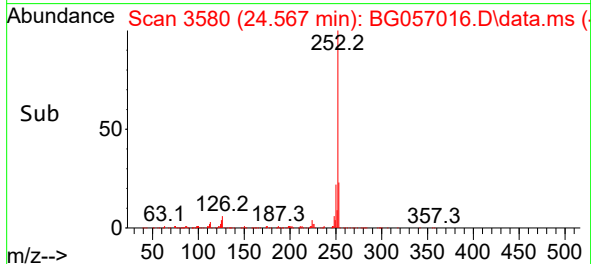
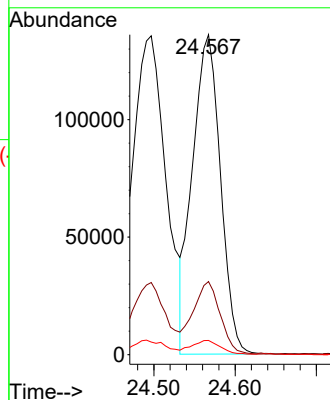
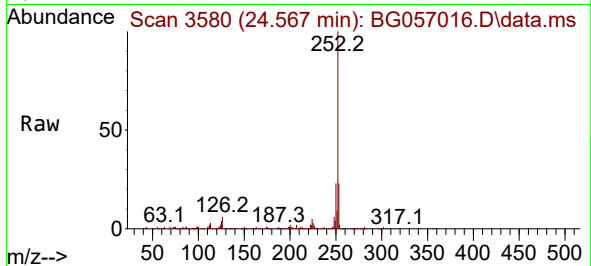




#89
Benzo(k)fluoranthene
Concen: 55.361 ng
RT: 24.567 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

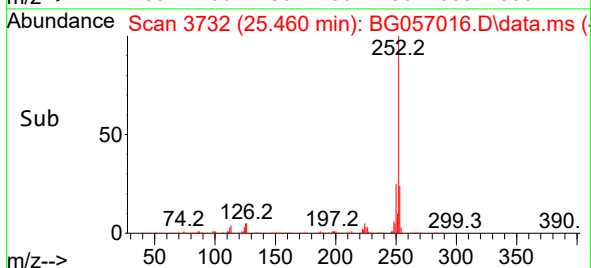
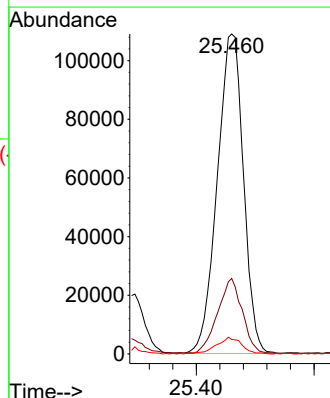
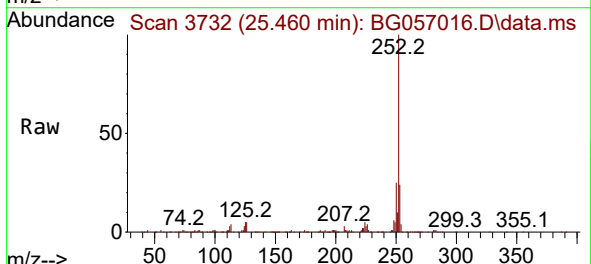
Instrument :
BNA_G
ClientSampleId :
72-11982MSD

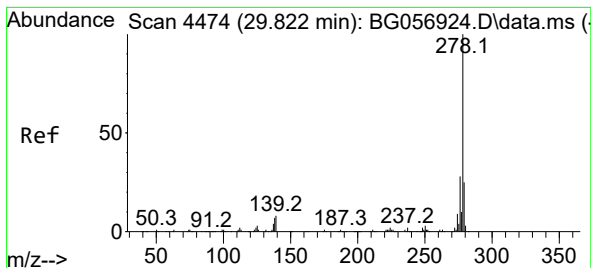
Tgt Ion:252 Resp: 324261
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 4.4 3.8 5.6



#90
Benzo(a)pyrene
Concen: 58.381 ng
RT: 25.460 min Scan# 3732
Delta R.T. -0.000 min
Lab File: BG057016.D
Acq: 6 Apr 2023 17:37

Tgt Ion:252 Resp: 336582
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 4.6 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 51.645 ng

RT: 29.778 min Scan# 4474

Delta R.T. -0.012 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Instrument :

BNA_G

ClientSampleId :

72-11982MSD

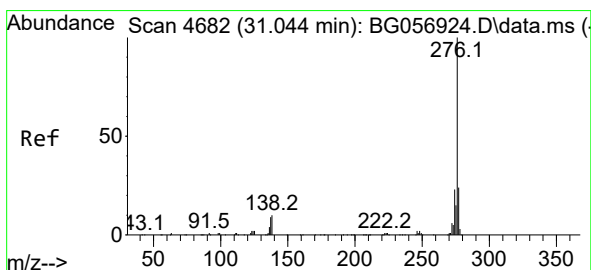
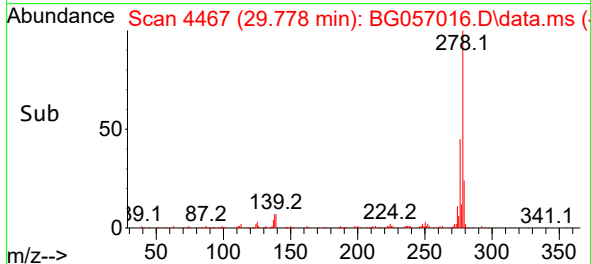
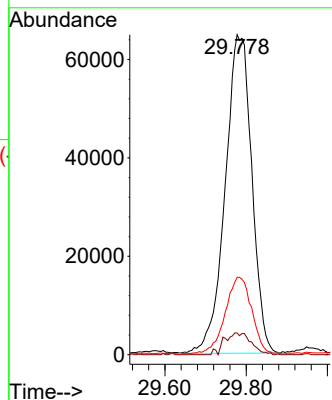
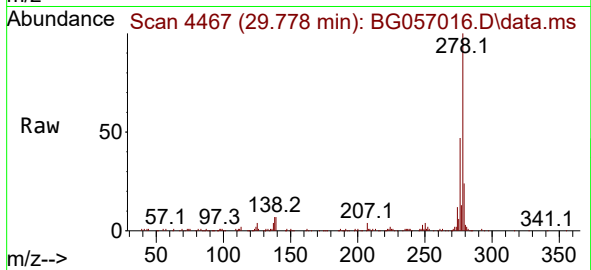
Tgt Ion:278 Resp: 294355

Ion Ratio Lower Upper

278 100

139 6.8 6.4 9.6

279 24.2 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 59.431 ng

RT: 31.011 min Scan# 4677

Delta R.T. -0.000 min

Lab File: BG057016.D

Acq: 6 Apr 2023 17:37

Tgt Ion:276 Resp: 331680

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 9.8 8.2 12.2

