

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041323\
 Data File : BG057081.D
 Acq On : 13 Apr 2023 14:06
 Operator : CG/JU
 Sample : 02292-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SO-VB3-041123MSD

Quant Time: Apr 13 14:43:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	15011	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	60006	20.000	ng	# 0.00
39) Acenaphthene-d10	15.016	164	43998	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	102845	20.000	ng	0.00
76) Chrysene-d12	22.077	240	88829	20.000	ng	# 0.00
86) Perylene-d12	25.608	264	96034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	130269	138.891	ng	0.00
7) Phenol-d6	7.538	99	183933	131.120	ng	0.00
23) Nitrobenzene-d5	9.583	82	115058	78.457	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	84393	120.067	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	250515	77.208	ng	0.00
79) Terphenyl-d14	20.327	244	432114	82.316	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.720	88	18668	45.404	ng	92
3) Pyridine	4.143	79	54950	41.494	ng	99
4) n-Nitrosodimethylamine	4.049	42	28236	46.376	ng	98
6) Aniline	7.715	93	78452	43.747	ng	98
8) 2-Chlorophenol	7.961	128	53839	57.630	ng	95
9) Benzaldehyde	7.527	77	43853	49.841	ng	96
10) Phenol	7.568	94	78479	56.461	ng	97
11) bis(2-Chloroethyl)ether	7.803	93	52689	53.215	ng	99
12) 1,3-Dichlorobenzene	8.296	146	56882	55.104	ng	97
13) 1,4-Dichlorobenzene	8.443	146	58811	56.449	ng	94
14) 1,2-Dichlorobenzene	8.766	146	55163	54.804	ng	96
15) Benzyl Alcohol	8.637	79	59558	51.096	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.919	45	68362	57.290	ng	95
17) 2-Methylphenol	8.836	107	51878	52.314	ng	89
18) Hexachloroethane	9.506	117	20809	54.646	ng	94
19) n-Nitroso-di-n-propyla...	9.207	70	48471	48.308	ng	# 98
20) 3+4-Methylphenols	9.165	107	70285	50.686	ng	96
22) Acetophenone	9.236	105	87541	49.027	ng	# 98
24) Nitrobenzene	9.624	77	72686	48.479	ng	95
25) Isophorone	10.147	82	127618	45.698	ng	98
26) 2-Nitrophenol	10.346	139	29825	51.536	ng	89
27) 2,4-Dimethylphenol	10.387	122	52968	51.838	ng	98
28) bis(2-Chloroethoxy)met...	10.622	93	69443	49.670	ng	99
29) 2,4-Dichlorophenol	10.881	162	56265	51.201	ng	97
30) 1,2,4-Trichlorobenzene	11.098	180	59341	50.823	ng	99
31) Naphthalene	11.298	128	162638	49.725	ng	99
32) Benzoic acid	10.522	122	31073	44.271	ng	95
33) 4-Chloroaniline	11.392	127	51704	35.001	ng	96
34) Hexachlorobutadiene	11.568	225	41200	46.974	ng	95
35) Caprolactam	12.161	113	10198	26.910	ng	# 77
36) 4-Chloro-3-methylphenol	12.485	107	60117	48.918	ng	96
37) 2-Methylnaphthalene	12.872	142	118508	45.653	ng	98
38) 1-Methylnaphthalene	13.090	142	110909	45.501	ng	100
40) 1,2,4,5-Tetrachloroben...	13.231	216	75770	49.662	ng	# 98
41) Hexachlorocyclopentadiene	13.207	237	96455	114.740	ng	96
43) 2,4,6-Trichlorophenol	13.460	196	50261	51.623	ng	92

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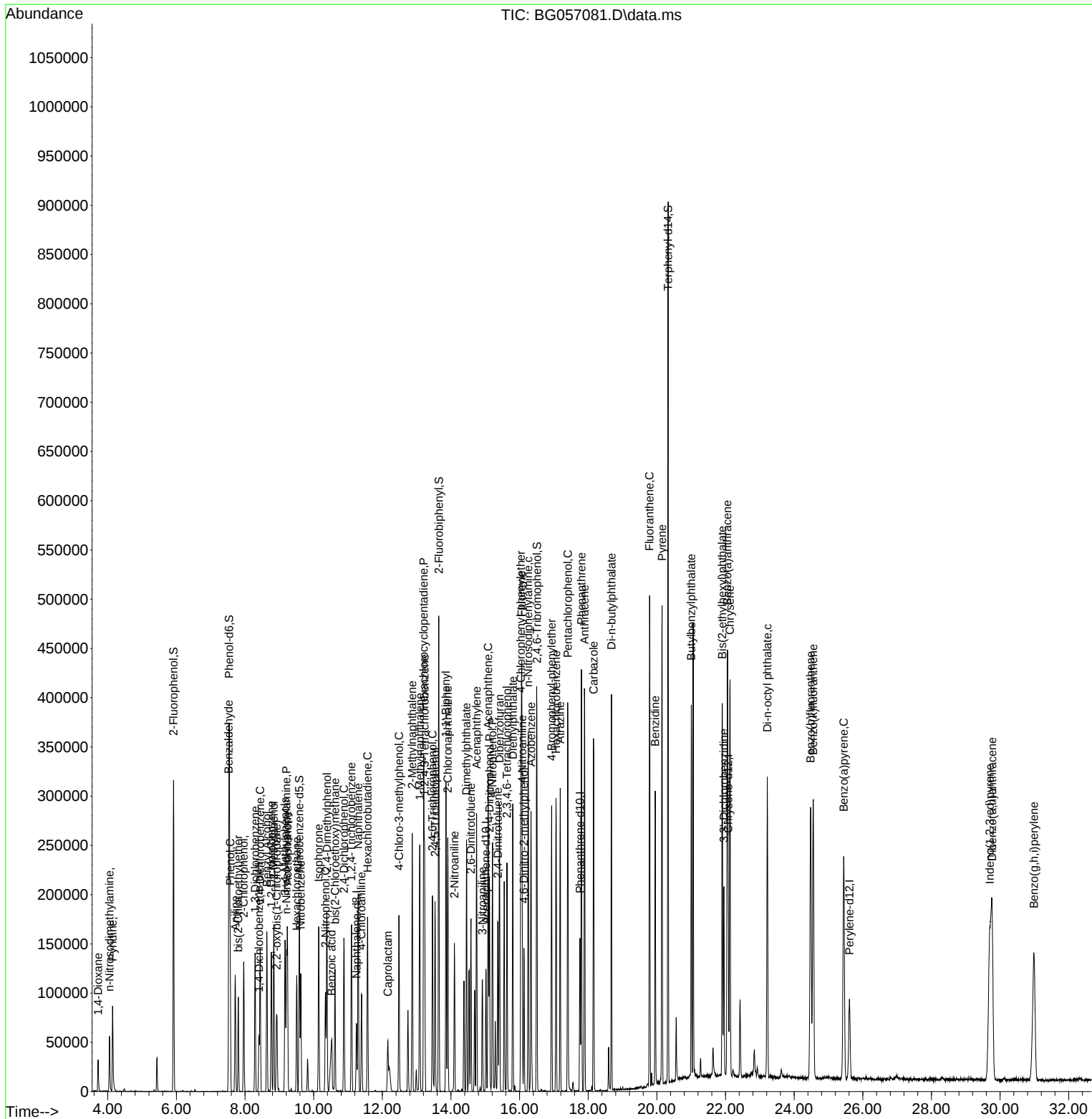
Quant Time: Apr 13 14:43:03 2023
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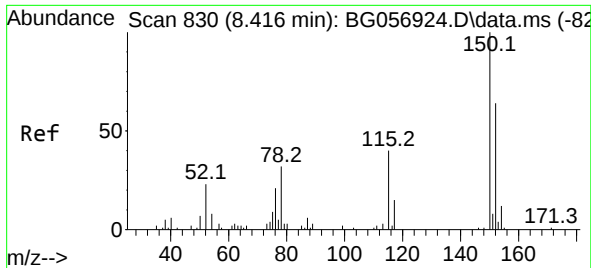
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.536	196	53258	46.174	ng	96
46) 1,1'-Biphenyl	13.853	154	163055	50.626	ng	99
47) 2-Chloronaphthalene	13.906	162	124944	52.452	ng	98
48) 2-Nitroaniline	14.100	65	42663	50.088	ng	97
49) Acenaphthylene	14.746	152	196633	50.241	ng	100
50) Dimethylphthalate	14.452	163	163474	47.155	ng	98
51) 2,6-Dinitrotoluene	14.582	165	36236	48.378	ng	99
52) Acenaphthene	15.081	154	125999	46.679	ng	98
53) 3-Nitroaniline	14.917	138	26924	36.315	ng	95
54) 2,4-Dinitrophenol	15.122	184	48288	114.536	ng	94
55) Dibenzofuran	15.416	168	196786	48.574	ng	100
56) 4-Nitrophenol	15.210	139	57968	105.735	ng	# 86
57) 2,4-Dinitrotoluene	15.369	165	49742	47.086	ng	98
58) Fluorene	16.062	166	162292	48.411	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.633	232	49812	47.432	ng	# 97
60) Diethylphthalate	15.804	149	166313	47.855	ng	99
61) 4-Chlorophenyl-phenyle...	16.039	204	92412	46.951	ng	97
62) 4-Nitroaniline	16.074	138	37083	48.276	ng	90
63) Azobenzene	16.332	77	174389	50.350	ng	98
65) 4,6-Dinitro-2-methylph...	16.127	198	36406	58.449	ng	96
66) n-Nitrosodiphenylamine	16.250	169	136065	49.285	ng	98
67) 4-Bromophenyl-phenylether	16.931	248	61613	48.418	ng	96
68) Hexachlorobenzene	17.061	284	67256	53.459	ng	98
69) Atrazine	17.184	200	61922	54.032	ng	96
70) Pentachlorophenol	17.401	266	78855	87.367	ng	99
71) Phenanthrene	17.801	178	260400	49.661	ng	99
72) Anthracene	17.889	178	265045	49.308	ng	99
73) Carbazole	18.153	167	233675	49.861	ng	94
74) Di-n-butylphthalate	18.676	149	270367	49.819	ng	99
75) Fluoranthene	19.786	202	303543	45.666	ng	99
77) Benzidine	19.951	184	166687	68.652	ng	97
78) Pyrene	20.151	202	307429	50.038	ng	98
80) Butylbenzylphthalate	21.002	149	113570	53.717	ng	99
81) Benzo(a)anthracene	22.054	228	303279	49.338	ng	100
82) 3,3'-Dichlorobenzidine	21.954	252	77449	37.312	ng	96
83) Chrysene	22.130	228	273740	47.561	ng	97
84) Bis(2-ethylhexyl)phtha...	21.907	149	161479	52.746	ng	99
85) Di-n-octyl phthalate	23.217	149	275434	53.388	ng	100
87) Indeno(1,2,3-cd)pyrene	29.697	276	366711	51.669	ng	# 97
88) Benzo(b)fluoranthene	24.480	252	310112	51.640	ng	98
89) Benzo(k)fluoranthene	24.556	252	306431	51.112	ng	# 97
90) Benzo(a)pyrene	25.443	252	276083	46.784	ng	99
91) Dibenzo(a,h)anthracene	29.767	278	303580	52.037	ng	99
92) Benzo(g,h,i)perylene	30.989	276	290072	50.778	ng	97

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

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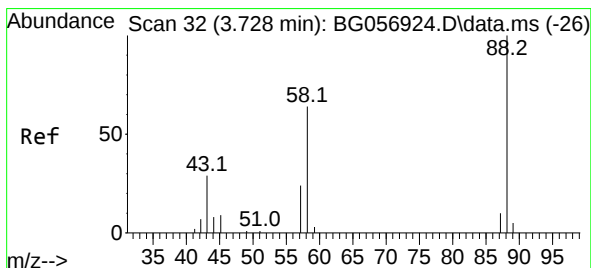
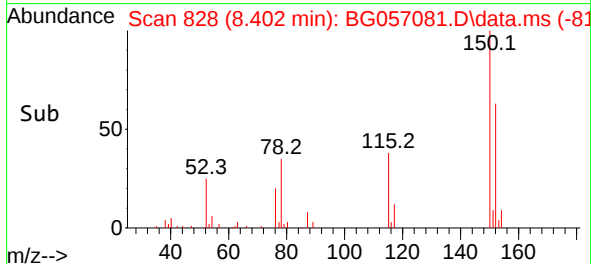
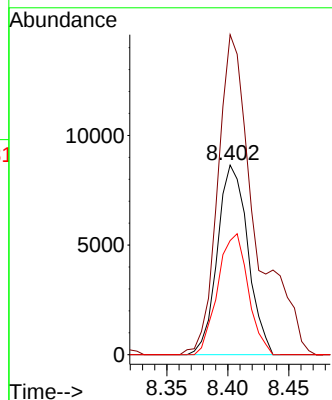
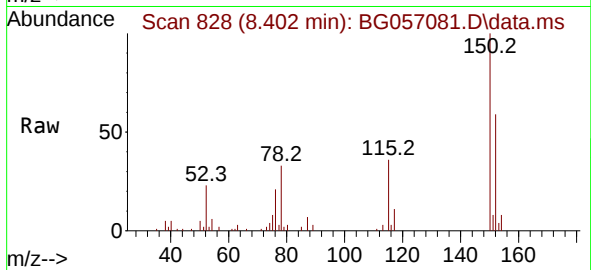




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

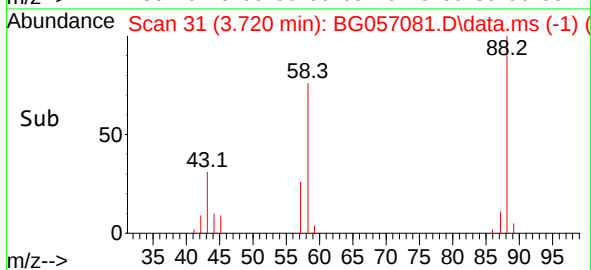
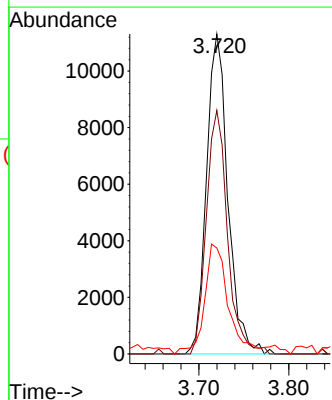
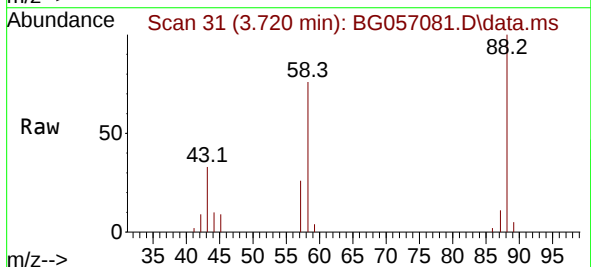
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion:152 Resp: 15011
Ion Ratio Lower Upper
152 100
150 168.8 124.1 186.1
115 60.2 49.1 73.7



#2
1,4-Dioxane
Concen: 45.404 ng
RT: 3.720 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion: 88 Resp: 18668
Ion Ratio Lower Upper
88 100
58 75.3 55.9 83.9
43 37.9 25.7 38.5





#3

Pyridine

Concen: 41.494 ng

RT: 4.143 min Scan# 103

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

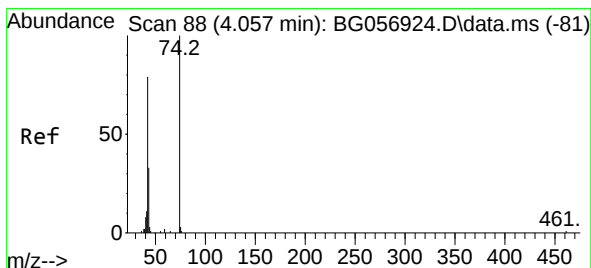
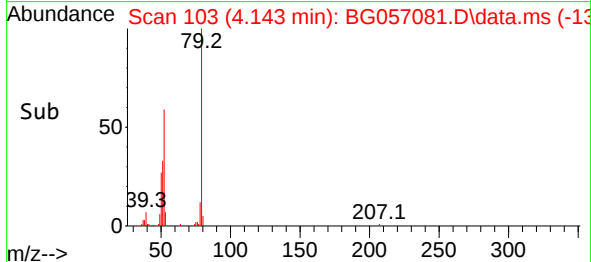
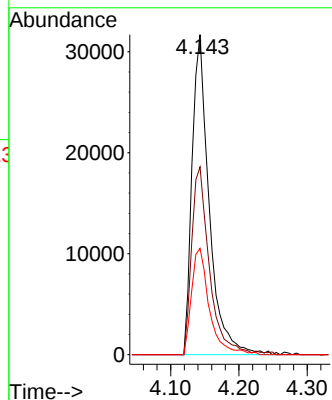
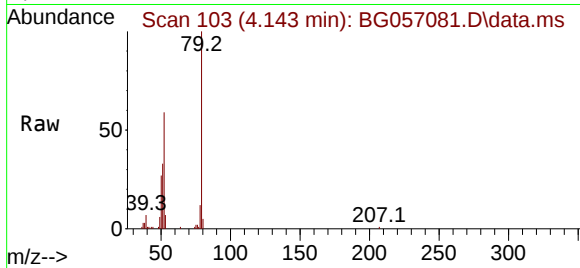
Tgt Ion: 79 Resp: 54950

Ion Ratio Lower Upper

79 100

52 58.7 46.1 69.1

51 33.2 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 46.376 ng

RT: 4.049 min Scan# 87

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

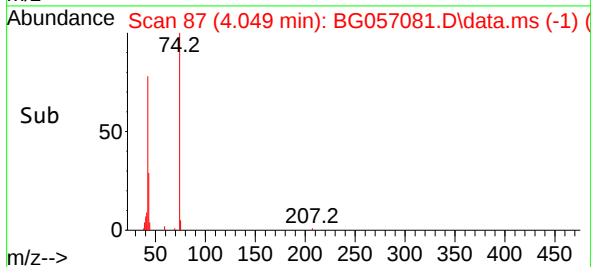
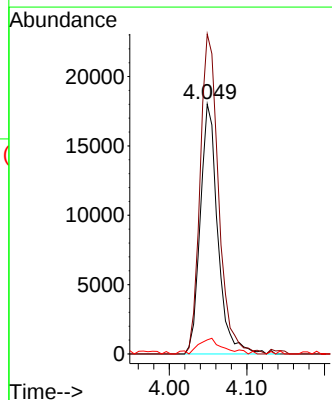
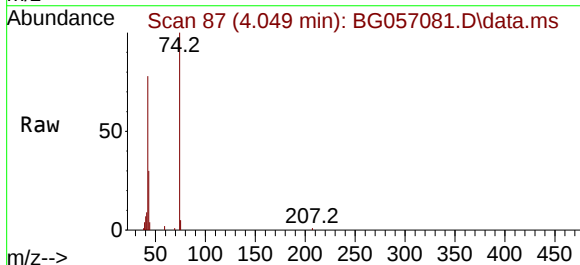
Tgt Ion: 42 Resp: 28236

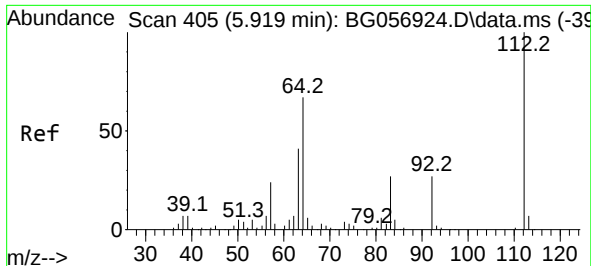
Ion Ratio Lower Upper

42 100

74 128.1 100.6 151.0

44 5.6 4.6 7.0

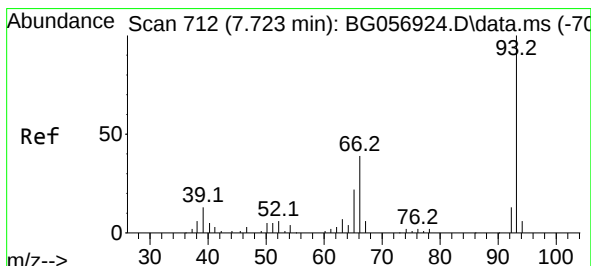
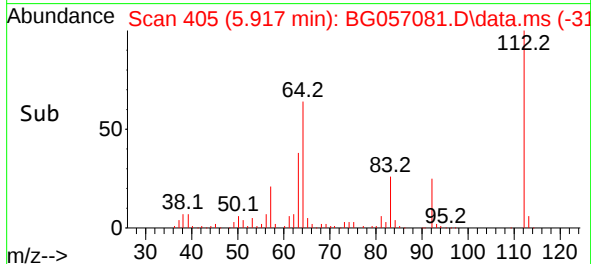
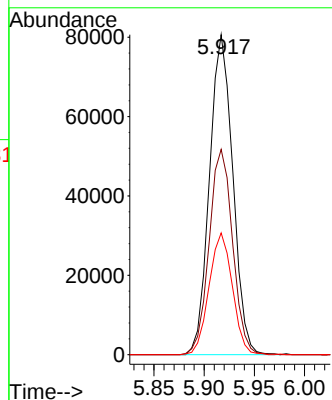
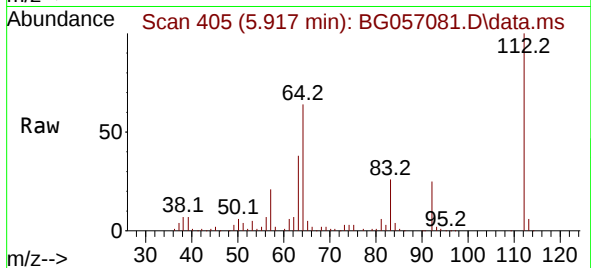




#5
2-Fluorophenol
Concen: 138.891 ng
RT: 5.917 min Scan# 405
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

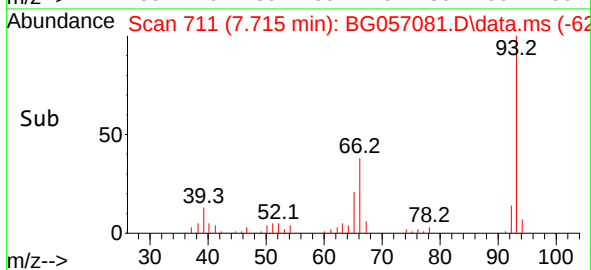
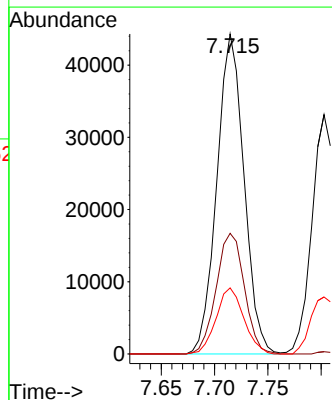
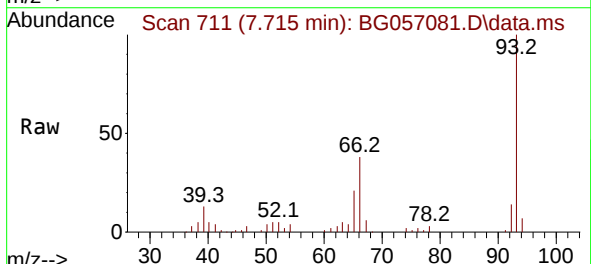
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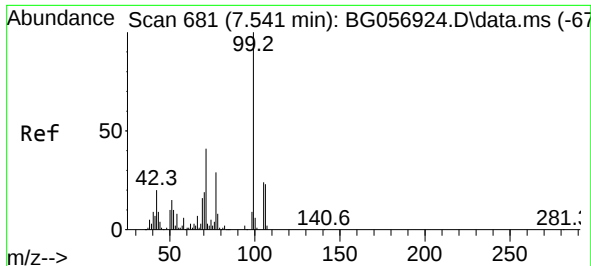
Tgt Ion:112 Resp: 130269
Ion Ratio Lower Upper
112 100
64 64.1 53.2 79.8
63 38.1 32.6 48.8



#6
Aniline
Concen: 43.747 ng
RT: 7.715 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion: 93 Resp: 78452
Ion Ratio Lower Upper
93 100
66 37.7 31.4 47.0
65 20.6 17.3 25.9

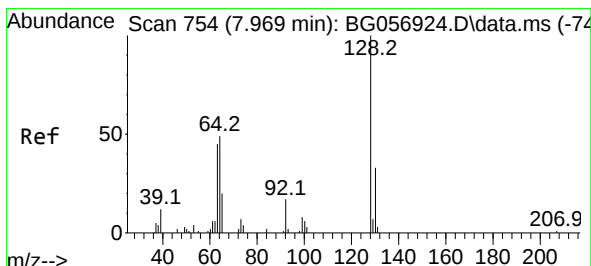
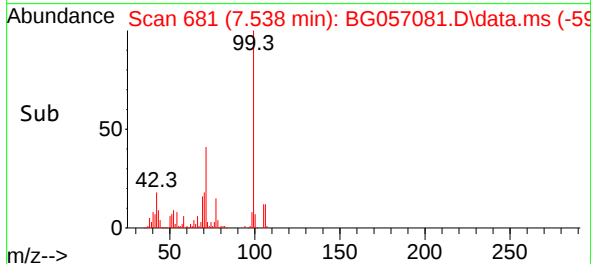
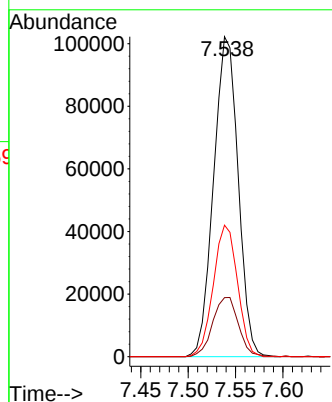
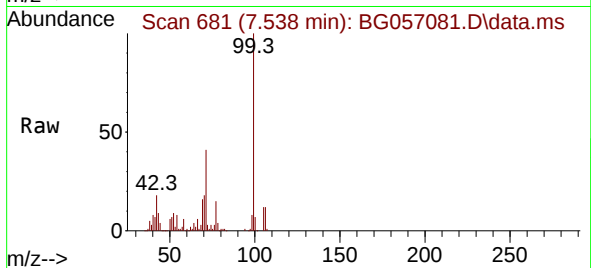




#7
Phenol-d6
Concen: 131.120 ng
RT: 7.538 min Scan# 681
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

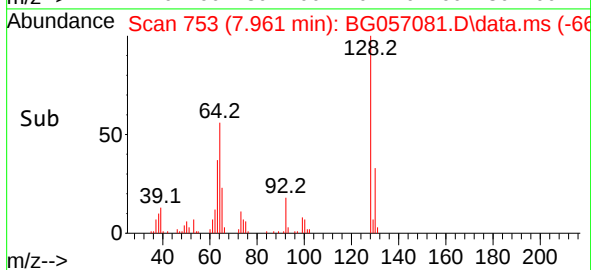
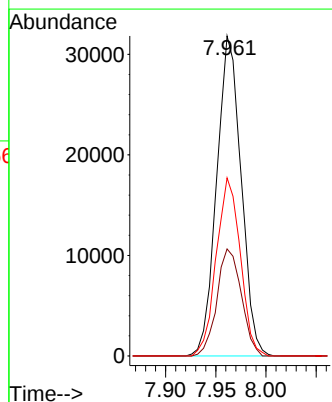
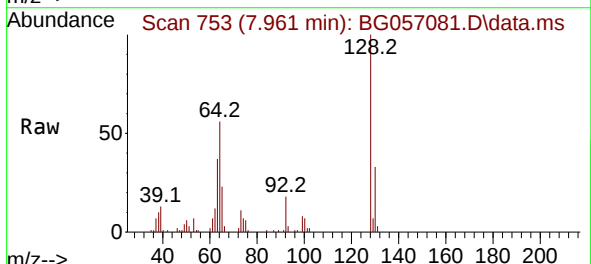
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Tgt Ion: 99 Resp: 183933
Ion Ratio Lower Upper
99 100
42 18.5 15.7 23.5
71 41.1 32.5 48.7



#8
2-Chlorophenol
Concen: 57.630 ng
RT: 7.961 min Scan# 753
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:128 Resp: 53839
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 55.6 40.6 80.6

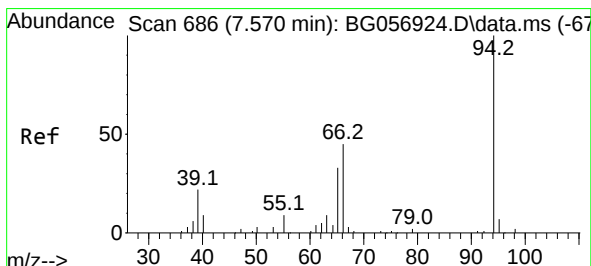
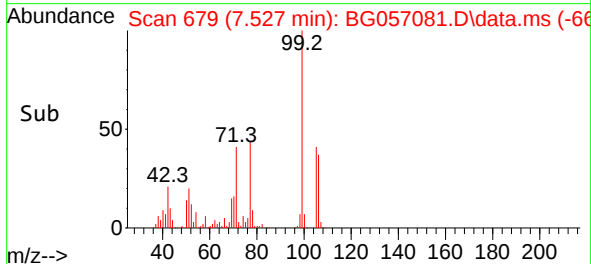
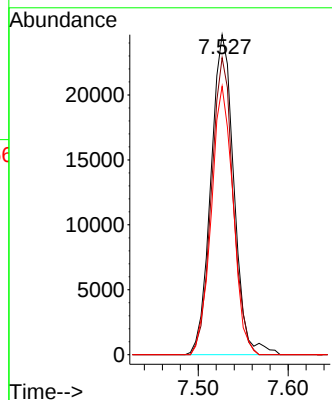
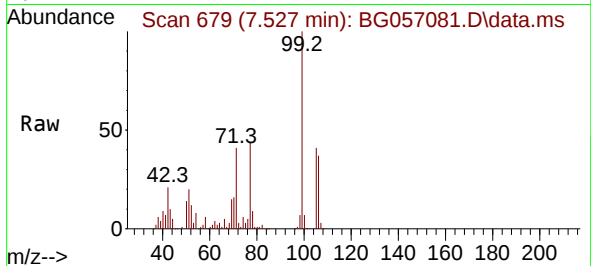




#9
Benzaldehyde
Concen: 49.841 ng
RT: 7.527 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

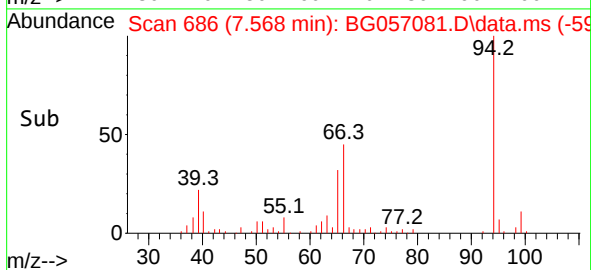
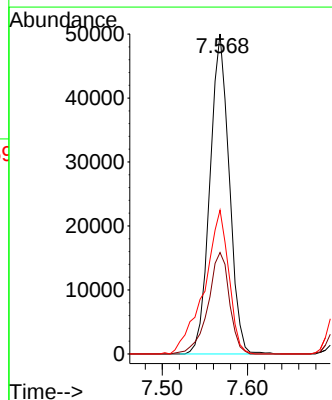
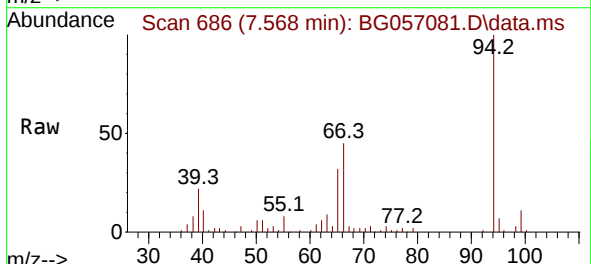
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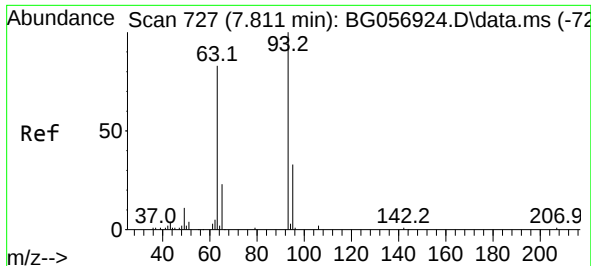
Tgt Ion: 77 Resp: 43853
Ion Ratio Lower Upper
77 100
105 92.8 73.6 113.6
106 83.9 56.7 96.7



#10
Phenol
Concen: 56.461 ng
RT: 7.568 min Scan# 686
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion: 94 Resp: 78479
Ion Ratio Lower Upper
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65 31.7 13.3 53.3
66 44.9 26.7 66.7

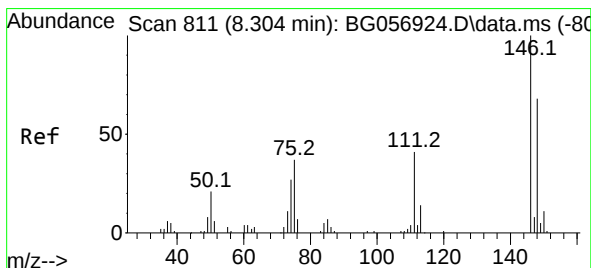
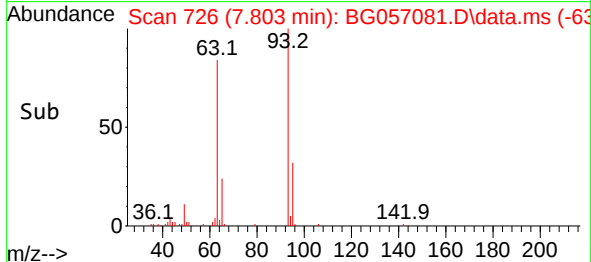
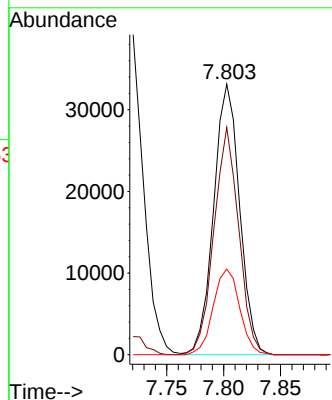
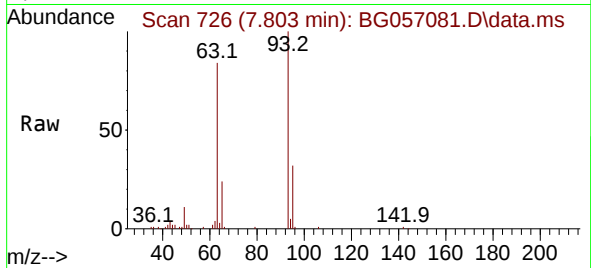




#11
bis(2-Chloroethyl)ether
Concen: 53.215 ng
RT: 7.803 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

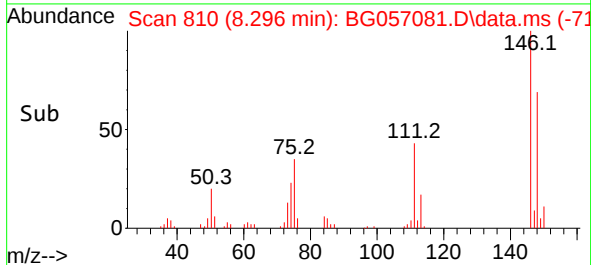
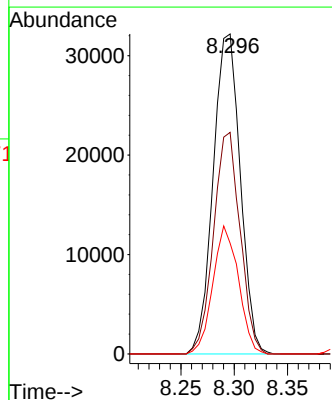
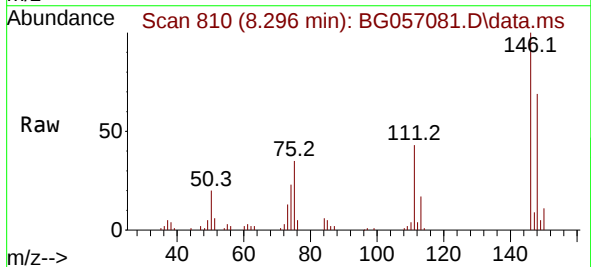
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

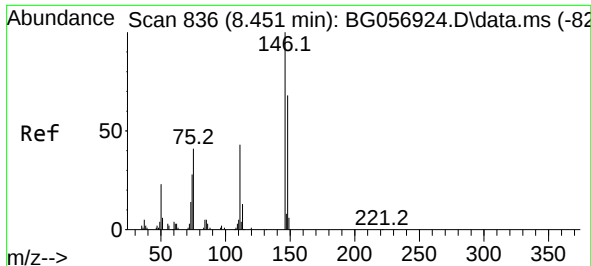
Tgt Ion: 93 Resp: 52689
Ion Ratio Lower Upper
93 100
63 83.9 62.7 102.7
95 31.6 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 55.104 ng
RT: 8.296 min Scan# 810
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:146 Resp: 56882
Ion Ratio Lower Upper
146 100
148 69.3 54.2 81.4
75 34.6 29.8 44.8

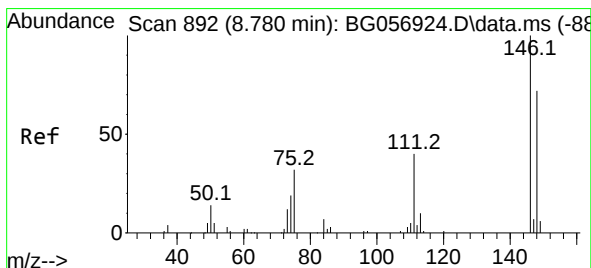
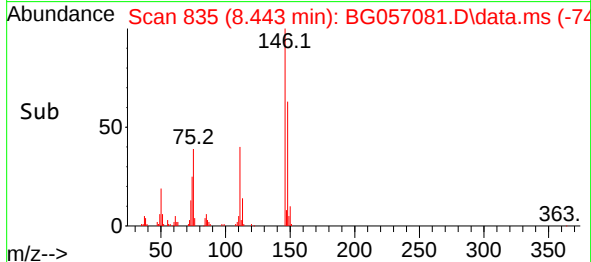
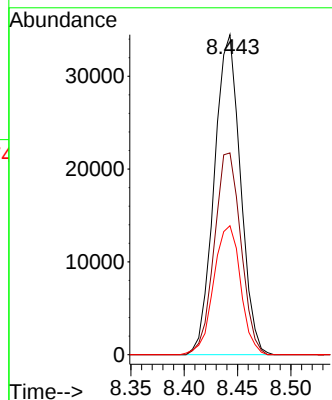
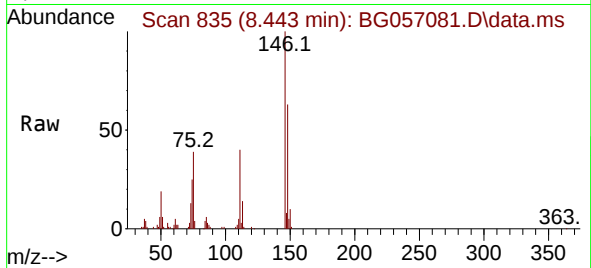




#13
1,4-Dichlorobenzene
Concen: 56.449 ng
RT: 8.443 min Scan# 811
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

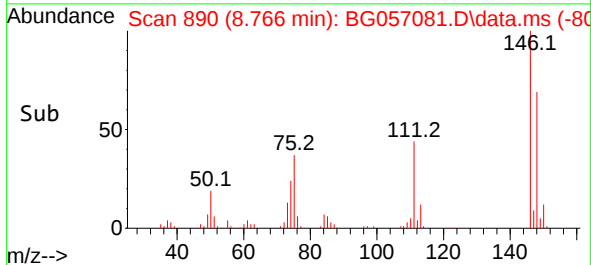
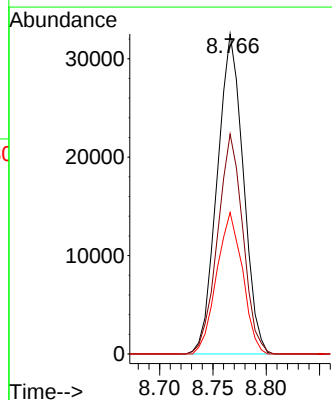
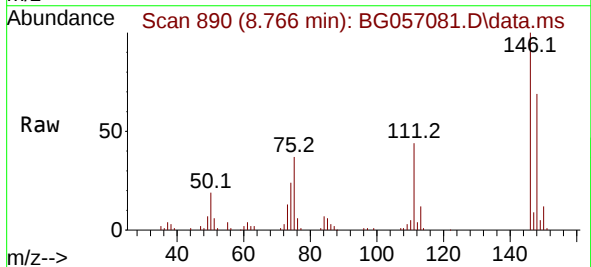
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion:146 Resp: 58811
Ion Ratio Lower Upper
146 100
148 63.0 54.8 82.2
111 40.3 34.6 52.0



#14
1,2-Dichlorobenzene
Concen: 54.804 ng
RT: 8.766 min Scan# 890
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:146 Resp: 55163
Ion Ratio Lower Upper
146 100
148 68.7 57.4 86.0
111 44.2 33.2 49.8

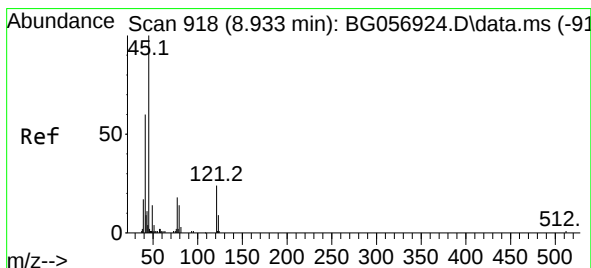
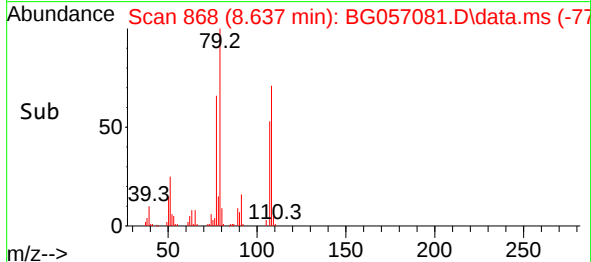
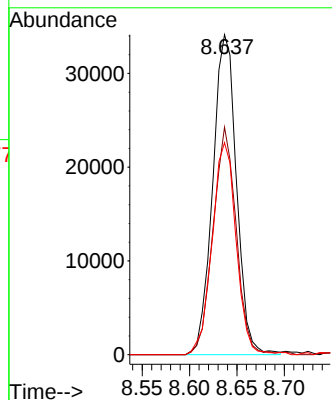
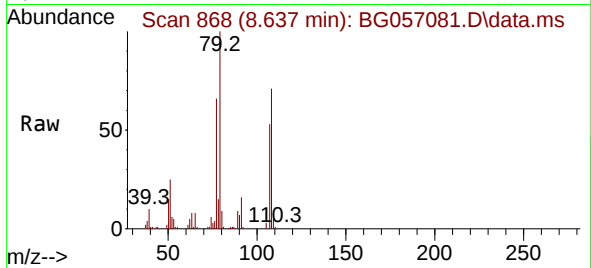




#15
Benzyl Alcohol
Concen: 51.096 ng
RT: 8.637 min Scan# 869
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

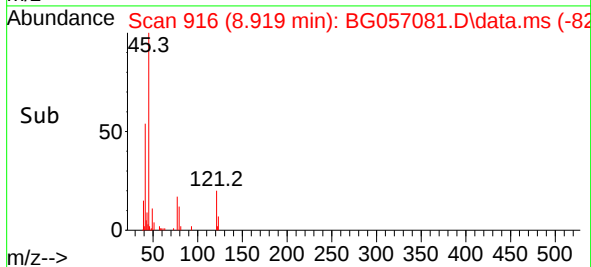
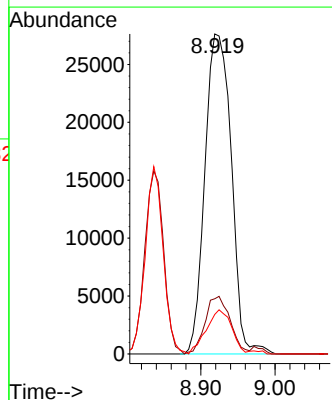
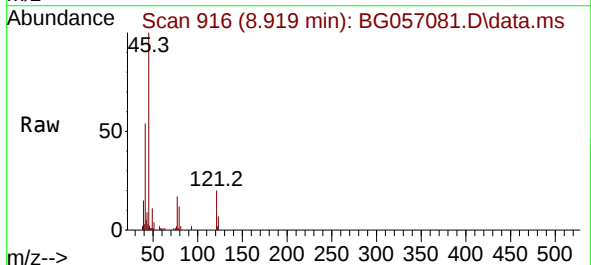
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion: 79 Resp: 59558
Ion Ratio Lower Upper
79 100
108 71.1 51.2 76.8
77 66.3 54.4 81.6



#16
2,2'-oxybis(1-chloropropane)
Concen: 57.290 ng
RT: 8.919 min Scan# 916
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion: 45 Resp: 68362
Ion Ratio Lower Upper
45 100
77 17.3 0.0 38.7
79 12.3 0.0 35.1

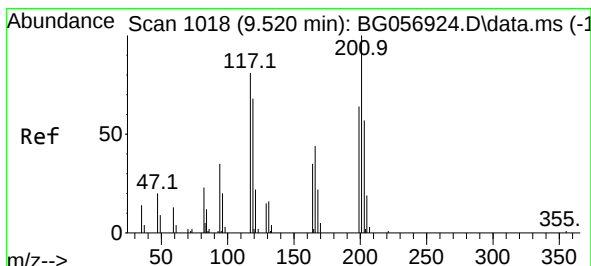
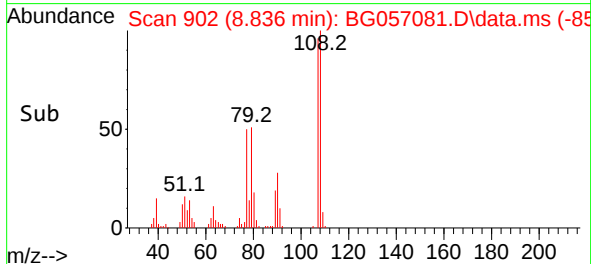
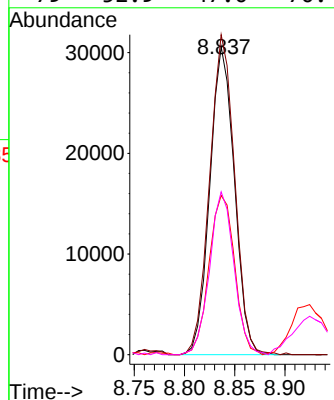
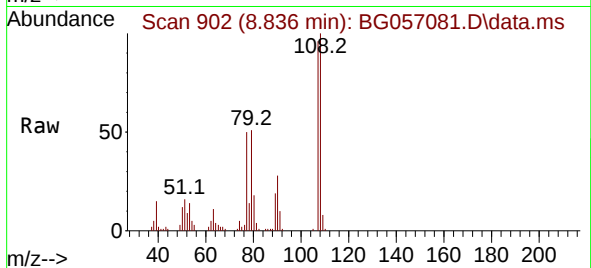




#17
2-Methylphenol
Concen: 52.314 ng
RT: 8.836 min Scan# 90
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

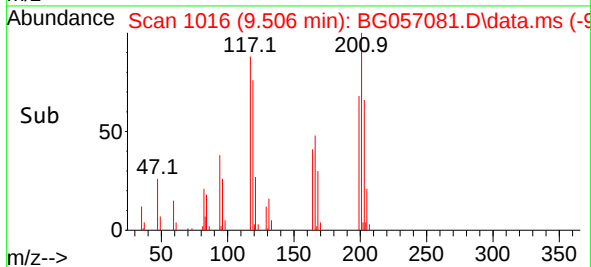
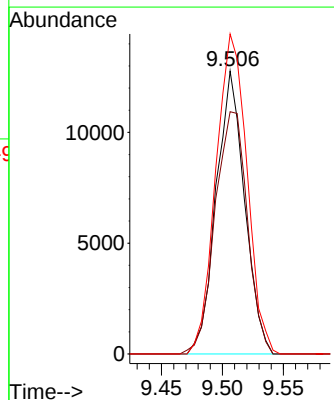
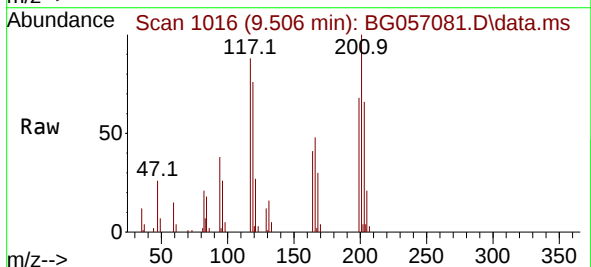
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

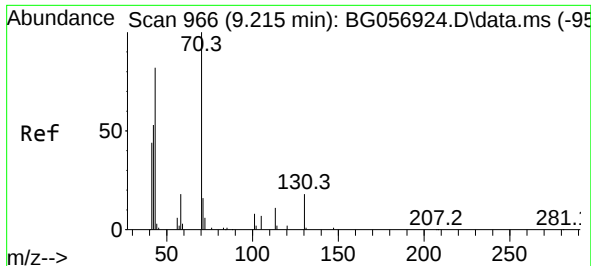
Tgt Ion:	107	Resp:	51878
Ion	Ratio	Lower	Upper
107	100		
108	103.9	96.0	144.0
77	51.7	45.6	68.4
79	52.9	47.0	70.4



#18
Hexachloroethane
Concen: 54.646 ng
RT: 9.506 min Scan# 1016
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:	117	Resp:	20809
Ion	Ratio	Lower	Upper
117	100		
119	85.7	67.0	100.6
201	113.1	98.7	148.1

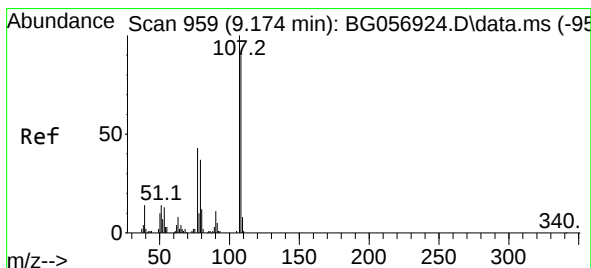
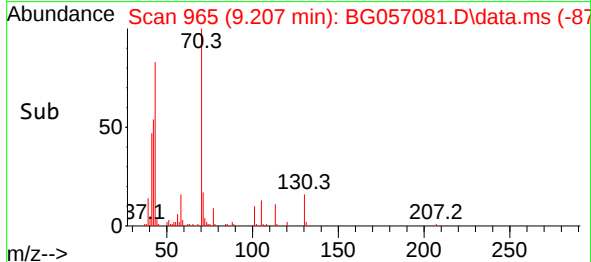
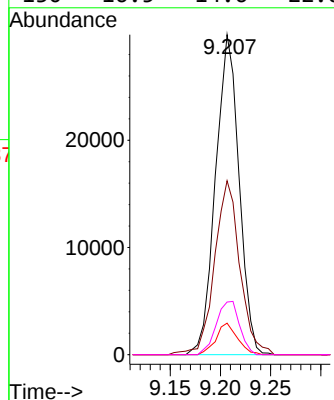
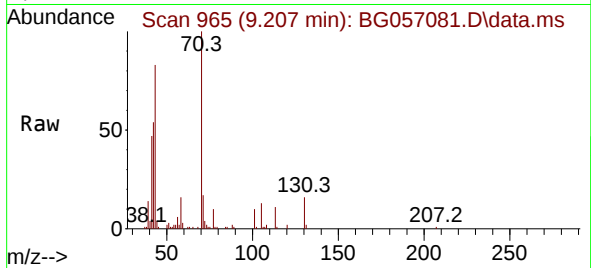




#19
n-Nitroso-di-n-propylamine
Concen: 48.308 ng
RT: 9.207 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

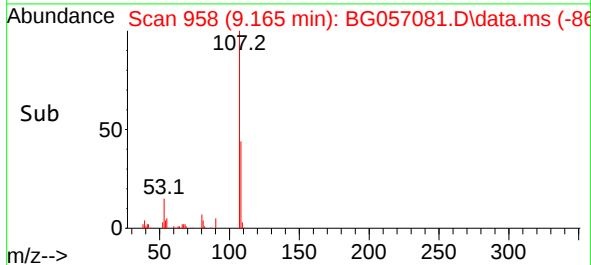
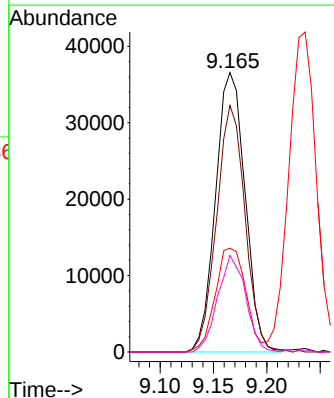
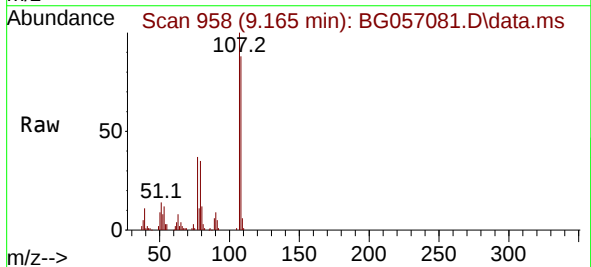
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

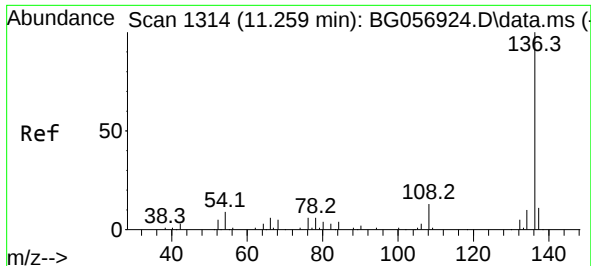
Tgt Ion: 70 Resp: 48471
Ion Ratio Lower Upper
70 100
42 54.3 43.4 65.0
101 9.8 6.2 9.2#
130 16.5 14.6 22.0



#20
3+4-Methylphenols
Concen: 50.686 ng
RT: 9.165 min Scan# 958
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion: 107 Resp: 70285
Ion Ratio Lower Upper
107 100
108 88.3 69.9 109.9
77 37.2 22.7 62.7
79 34.5 16.5 56.5

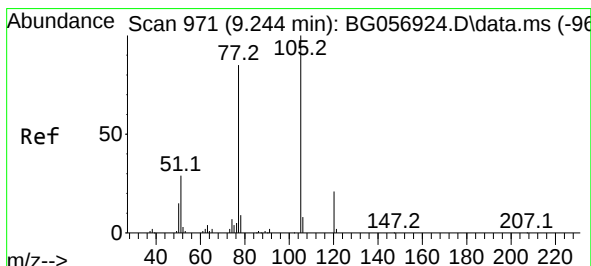
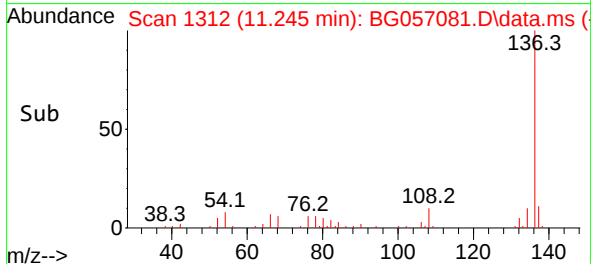
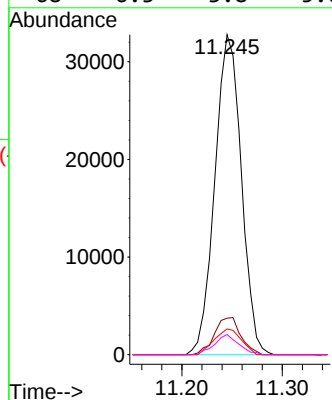
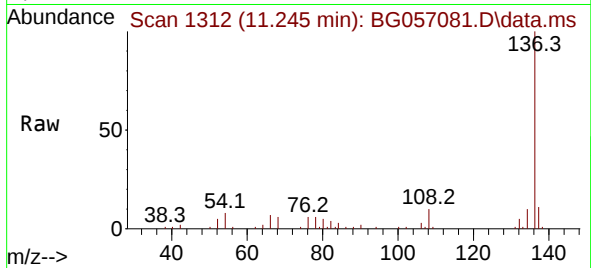




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

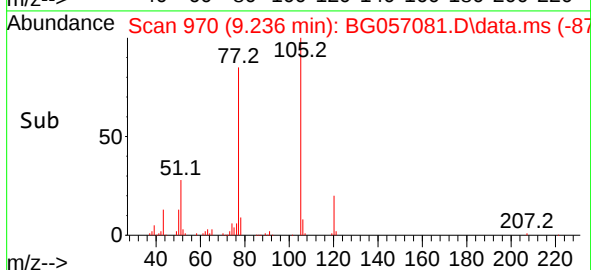
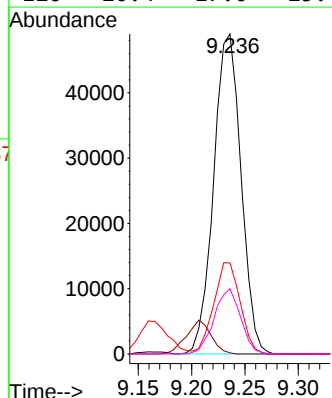
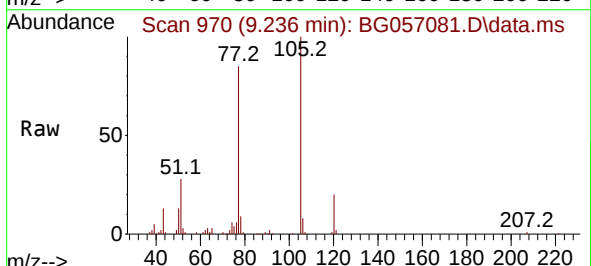
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

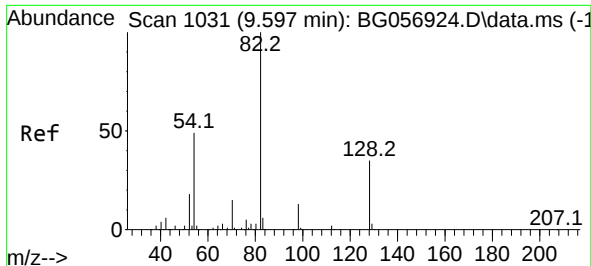
Tgt Ion:136	Resp:	60006
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.6 13.0
54	8.1	6.9 10.3
68	6.3	3.8 5.6#



#22
Acetophenone
Concen: 49.027 ng
RT: 9.236 min Scan# 970
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:105	Resp:	87541
Ion Ratio	Lower	Upper
105	100	
71	0.3	0.7 1.1#
51	28.4	23.8 35.8
120	20.4	17.0 25.4





#23

Nitrobenzene-d5

Concen: 78.457 ng

RT: 9.583 min Scan# 1029

Delta R.T. -0.004 min

Lab File: BG057081.D

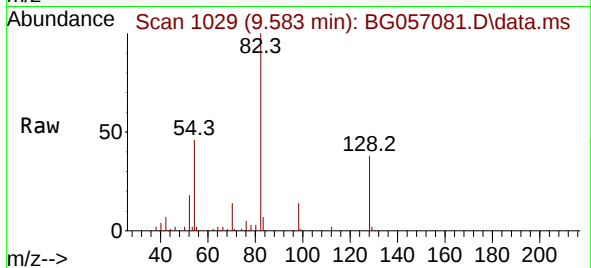
Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD



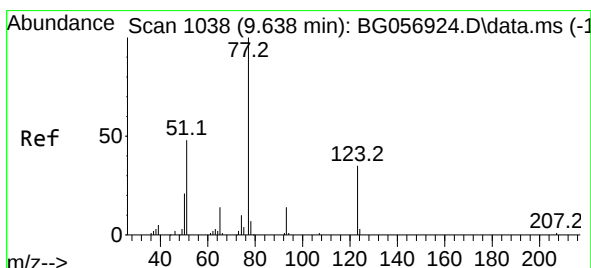
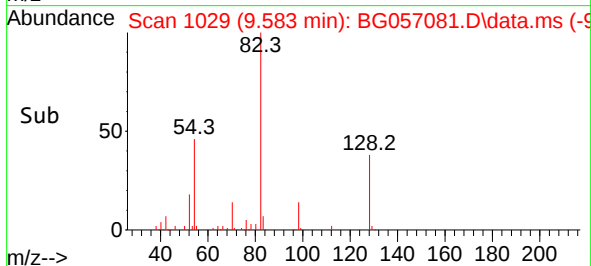
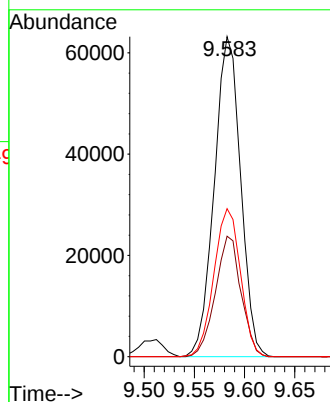
Tgt Ion: 82 Resp: 115058

Ion Ratio Lower Upper

82 100

128 37.7 27.9 41.9

54 46.3 39.4 59.2



#24

Nitrobenzene

Concen: 48.479 ng

RT: 9.624 min Scan# 1036

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

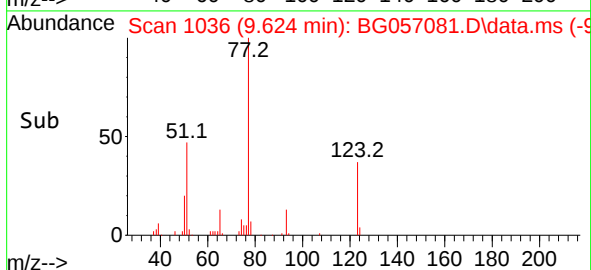
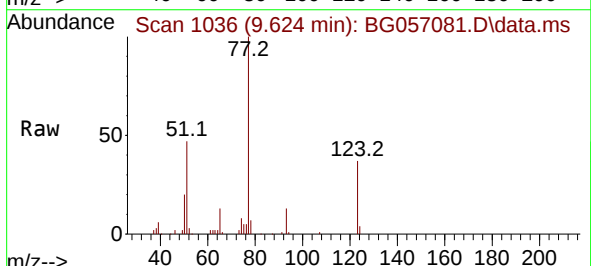
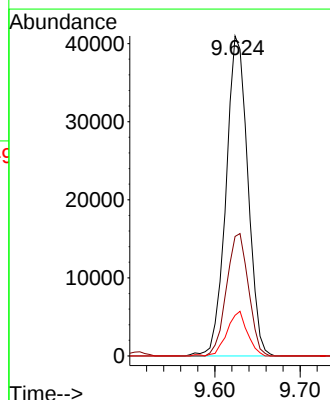
Tgt Ion: 77 Resp: 72686

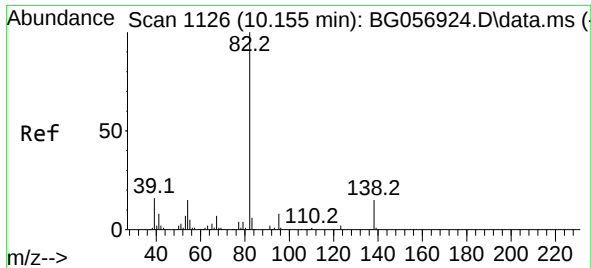
Ion Ratio Lower Upper

77 100

123 37.3 27.6 41.4

65 12.7 11.5 17.3

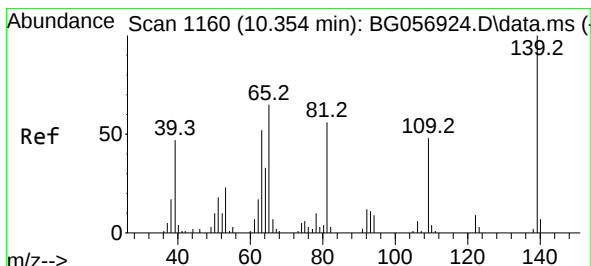
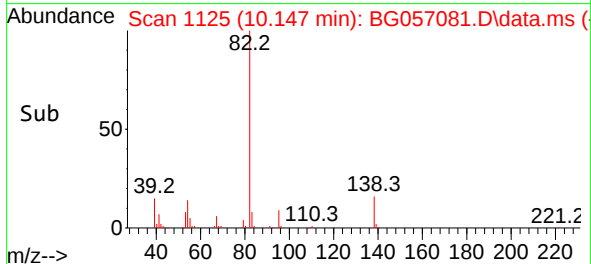
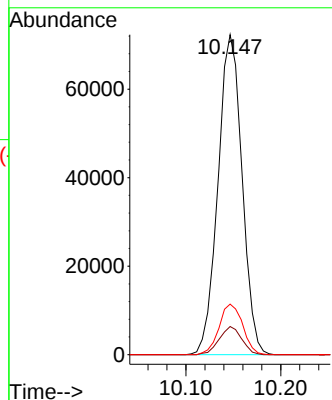
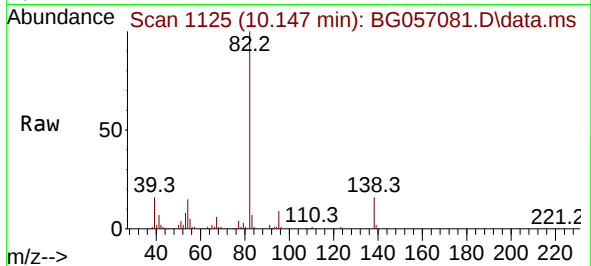




#25
Isophorone
Concen: 45.698 ng
RT: 10.147 min Scan# 1125
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

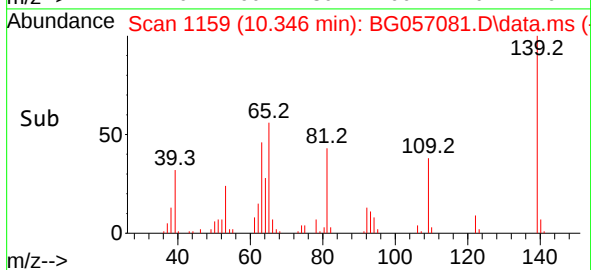
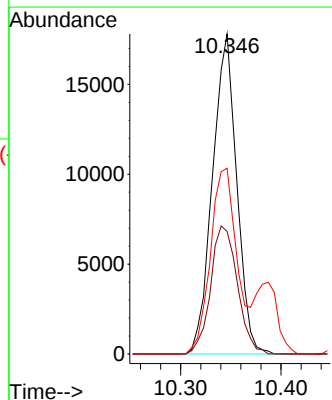
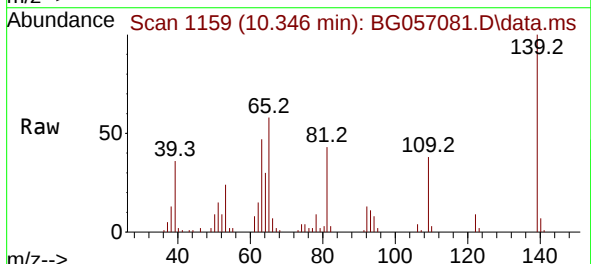
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion: 82 Resp: 127618
Ion Ratio Lower Upper
82 100
95 8.8 6.3 9.5
138 15.8 11.8 17.8



#26
2-Nitrophenol
Concen: 51.536 ng
RT: 10.346 min Scan# 1159
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:139 Resp: 29825
Ion Ratio Lower Upper
139 100
109 38.3 38.2 57.4
65 58.1 51.8 77.8





#27

2,4-Dimethylphenol

Concen: 51.838 ng

RT: 10.387 min Scan# 1166

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

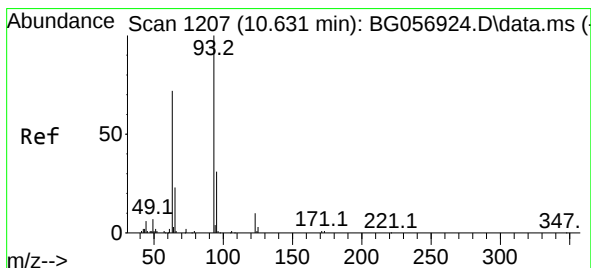
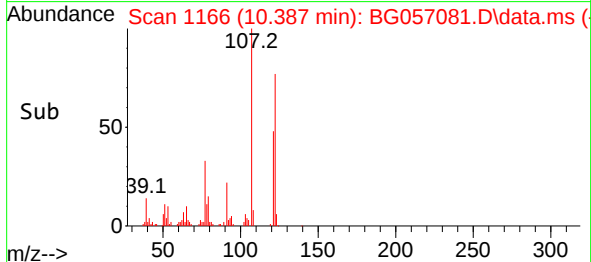
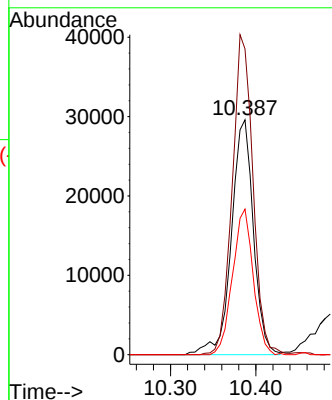
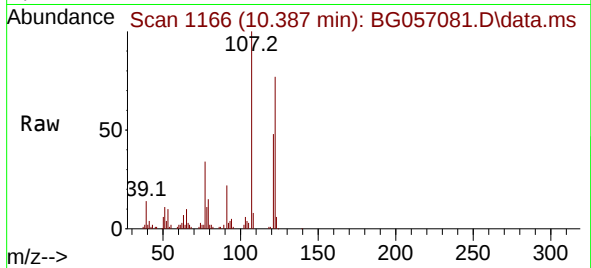
Tgt Ion:122 Resp: 52968

Ion Ratio Lower Upper

122 100

107 130.2 105.7 158.5

121 62.0 48.0 72.0



#28

bis(2-Chloroethoxy)methane

Concen: 49.670 ng

RT: 10.622 min Scan# 1206

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

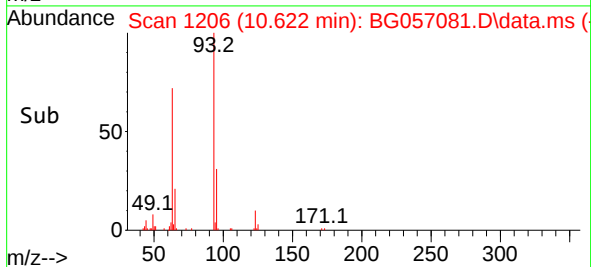
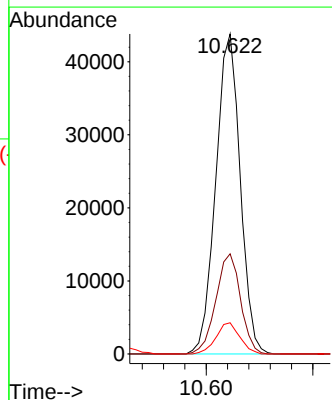
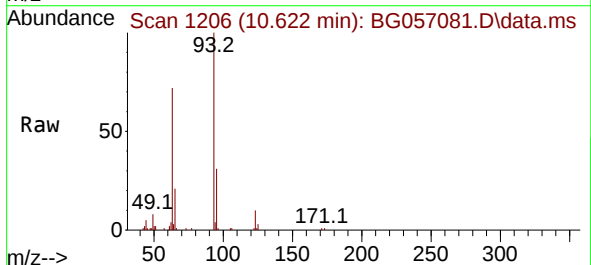
Tgt Ion: 93 Resp: 69443

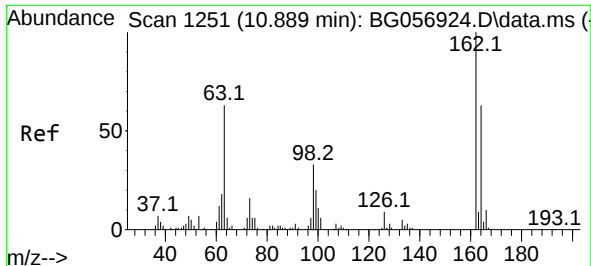
Ion Ratio Lower Upper

93 100

95 31.3 24.6 37.0

123 9.8 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 51.201 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

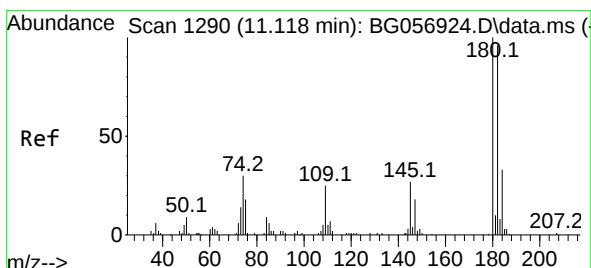
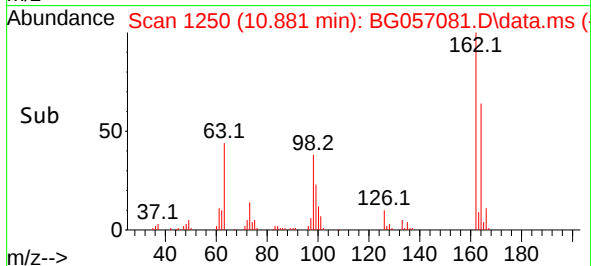
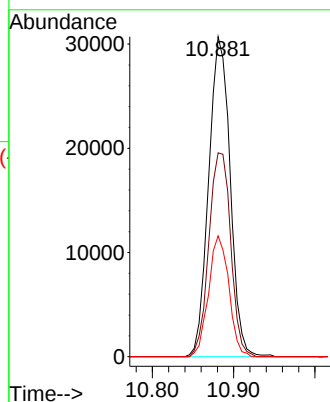
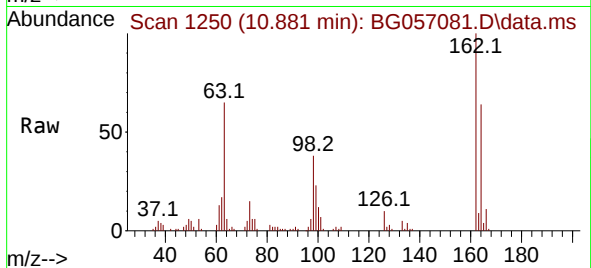
Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

Tgt Ion:162	Resp:	56265
Ion Ratio	Lower	Upper
162	100	
164	63.7	43.4 83.4
98	37.8	12.5 52.5



#30

1,2,4-Trichlorobenzene

Concen: 50.823 ng

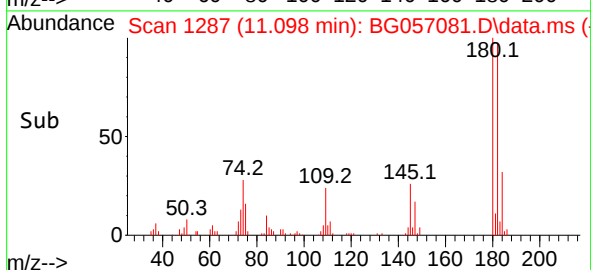
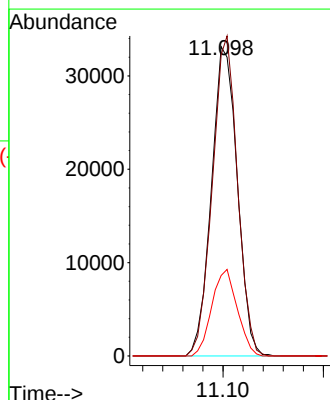
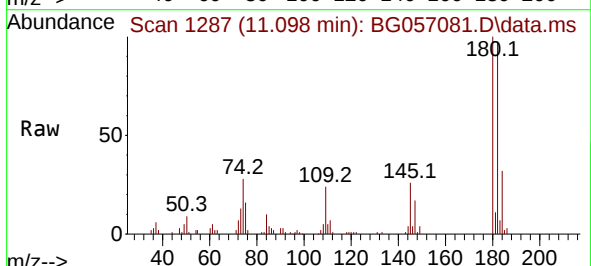
RT: 11.098 min Scan# 1287

Delta R.T. -0.009 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Tgt Ion:180	Resp:	59341
Ion Ratio	Lower	Upper
180	100	
182	97.4	77.1 115.7
145	26.0	21.3 31.9

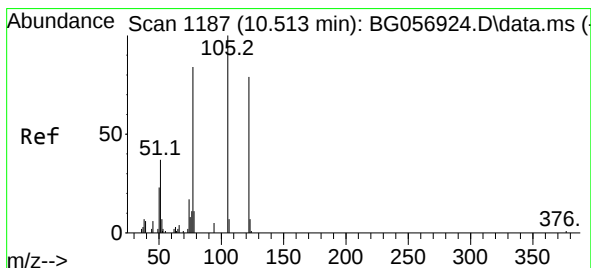
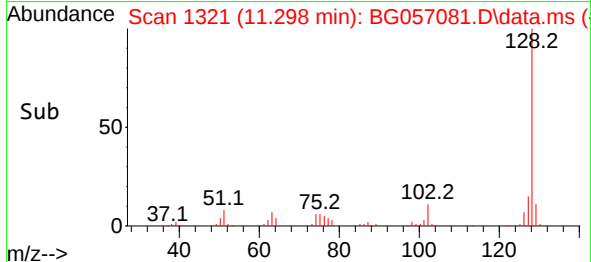
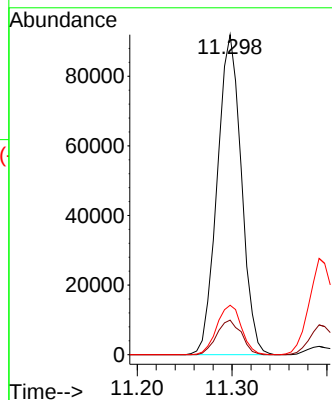
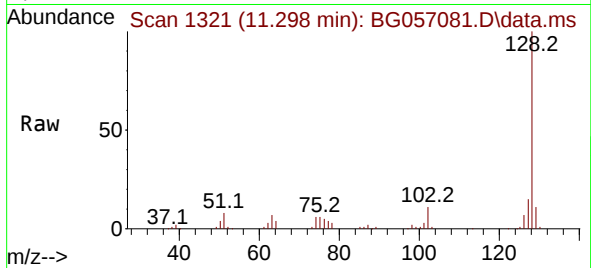




#31
Naphthalene
Concen: 49.725 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

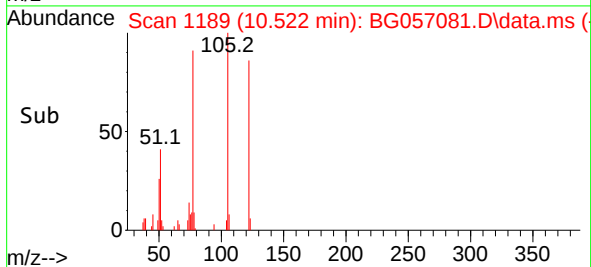
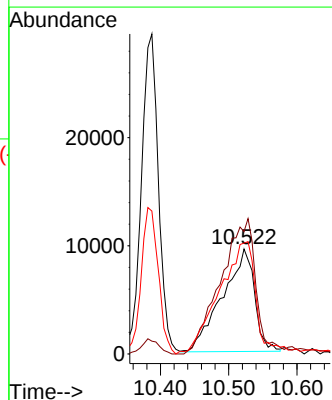
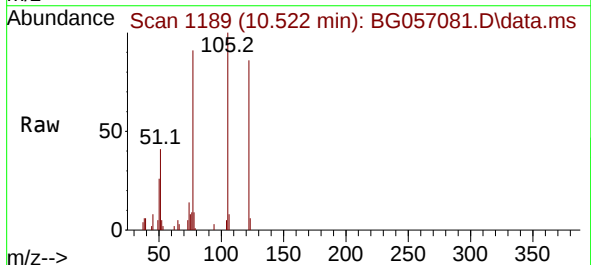
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

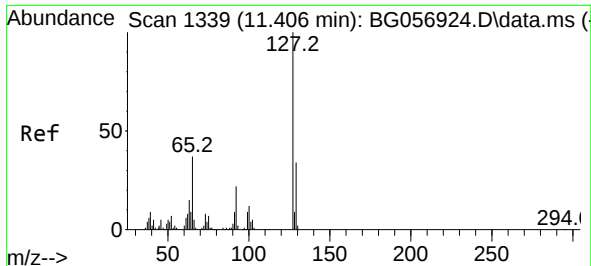
Tgt Ion:128 Resp: 162638
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.2
127 15.5 12.2 18.4



#32
Benzoic acid
Concen: 44.271 ng
RT: 10.522 min Scan# 1189
Delta R.T. 0.014 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:122 Resp: 31073
Ion Ratio Lower Upper
122 100
105 116.6 105.4 145.4
77 105.5 87.4 127.4

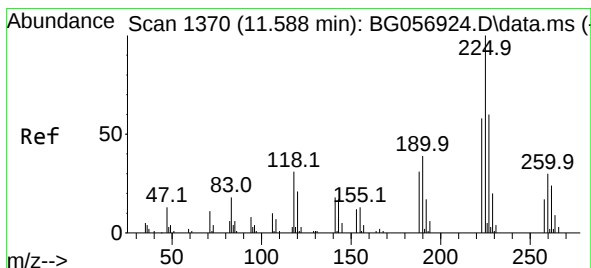
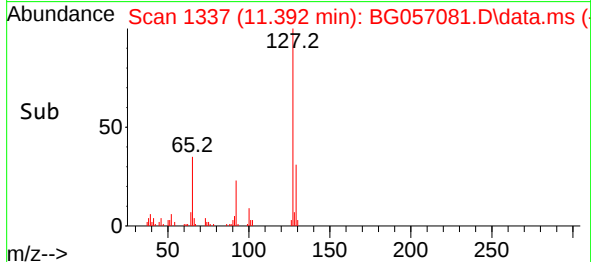
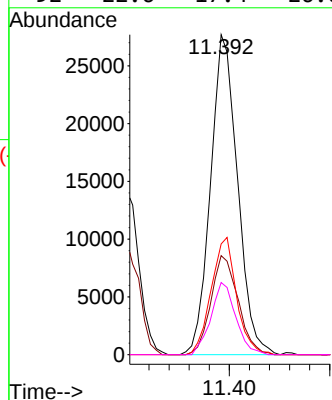
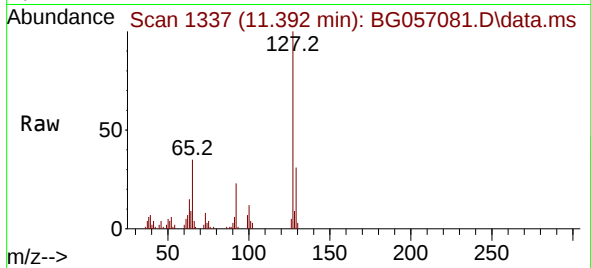




#33
4-Chloroaniline
Concen: 35.001 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

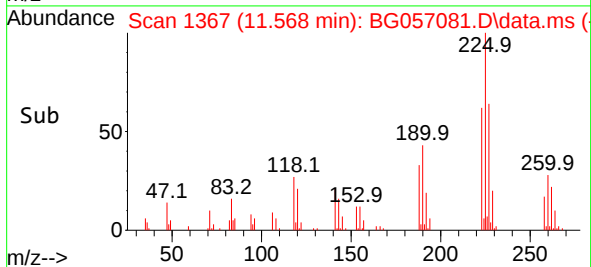
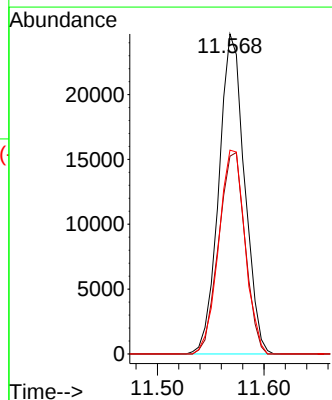
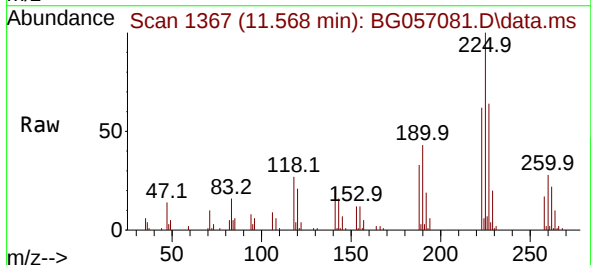
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

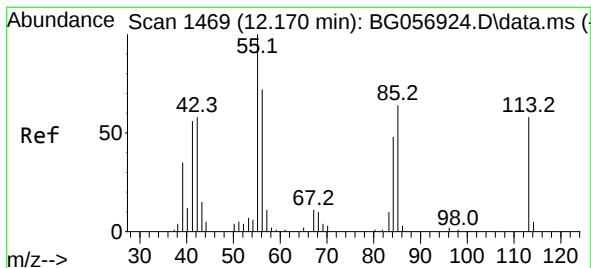
Tgt Ion:127	Resp:	51704
Ion Ratio	Lower	Upper
127	100	
129	31.0	27.6 41.4
65	34.6	29.8 44.8
92	22.6	17.4 26.0



#34
Hexachlorobutadiene
Concen: 46.974 ng
RT: 11.568 min Scan# 1367
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:225	Resp:	41200
Ion Ratio	Lower	Upper
225	100	
223	61.8	46.4 69.6
227	63.7	48.0 72.0





#35

Caprolactam

Concen: 26.910 ng

RT: 12.161 min Scan# 1468

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

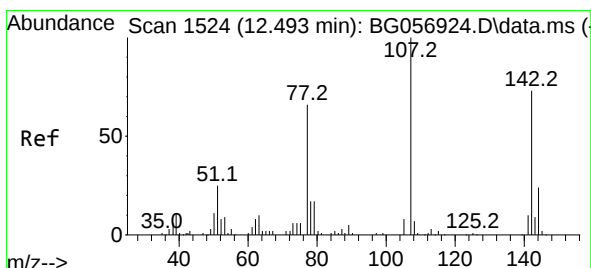
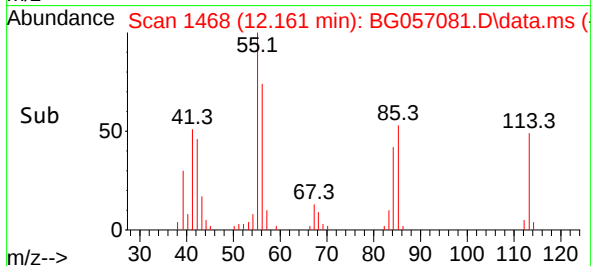
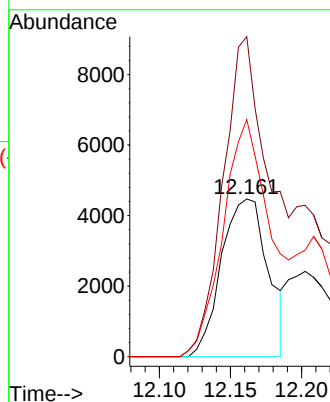
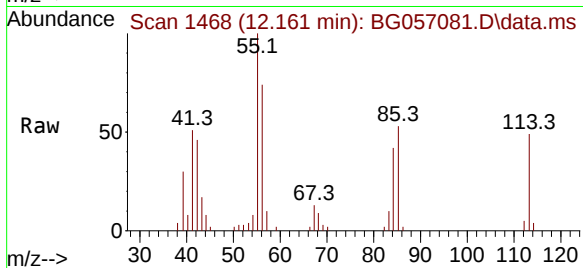
Tgt Ion:113 Resp: 10198

Ion Ratio Lower Upper

113 100

55 202.9 151.6 191.6#

56 150.4 103.7 143.7#



#36

4-Chloro-3-methylphenol

Concen: 48.918 ng

RT: 12.485 min Scan# 1523

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

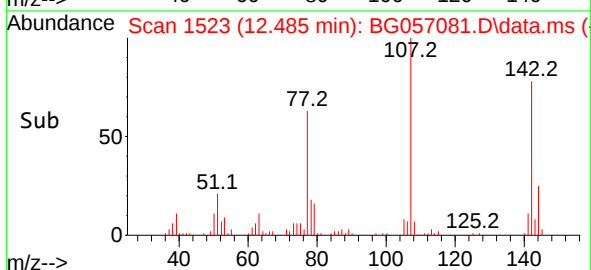
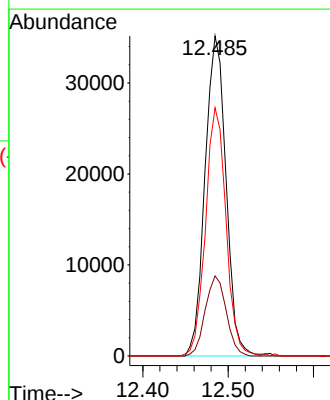
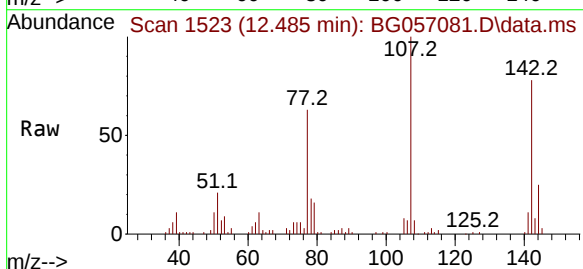
Tgt Ion:107 Resp: 60117

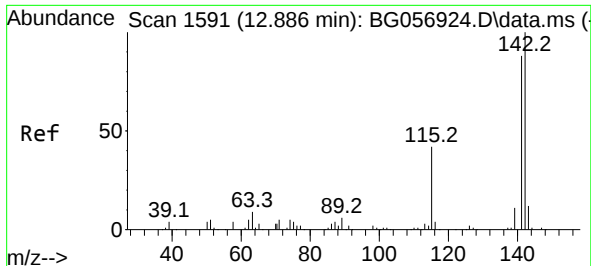
Ion Ratio Lower Upper

107 100

144 25.0 19.0 28.4

142 77.5 58.6 88.0

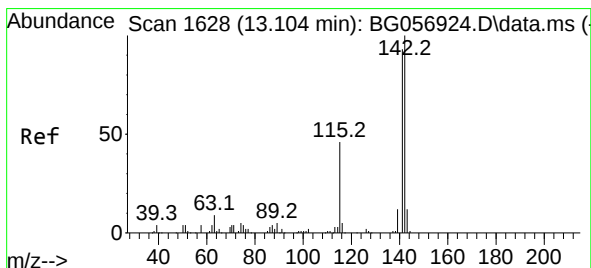
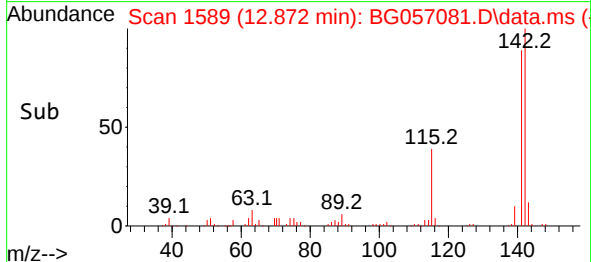
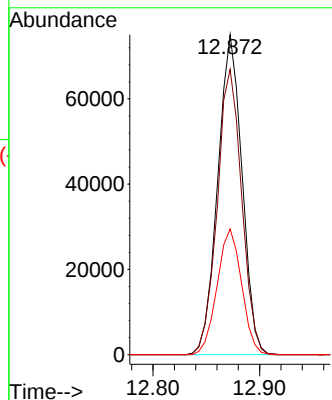
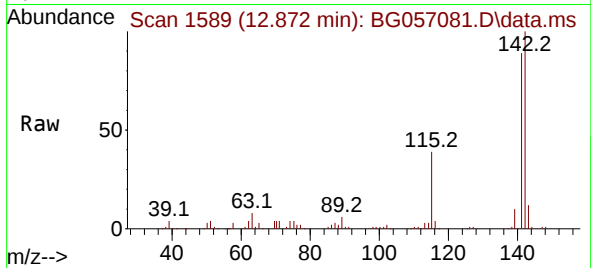




#37
2-Methylnaphthalene
Concen: 45.653 ng
RT: 12.872 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

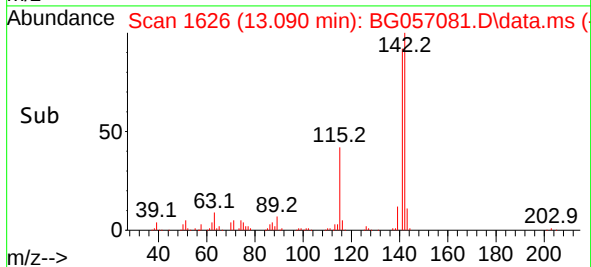
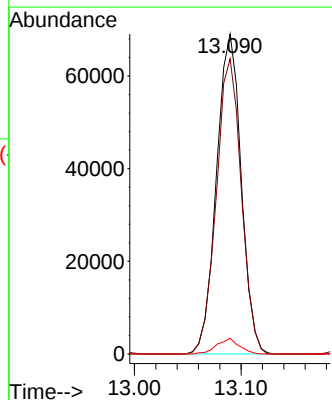
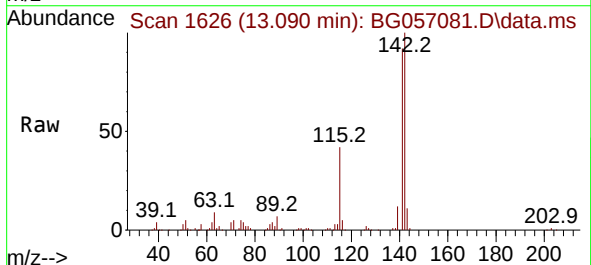
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

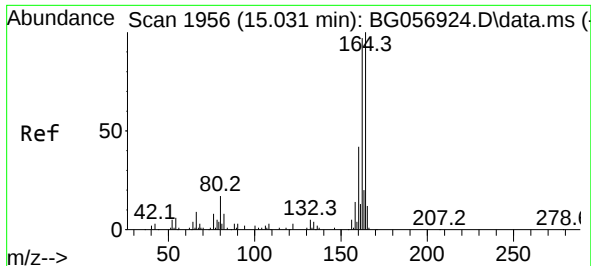
Tgt Ion:142 Resp: 118508
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5
115 39.3 33.5 50.3



#38
1-Methylnaphthalene
Concen: 45.501 ng
RT: 13.090 min Scan# 1626
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:142 Resp: 110909
Ion Ratio Lower Upper
142 100
141 92.3 74.0 111.0
116 4.9 3.7 5.5

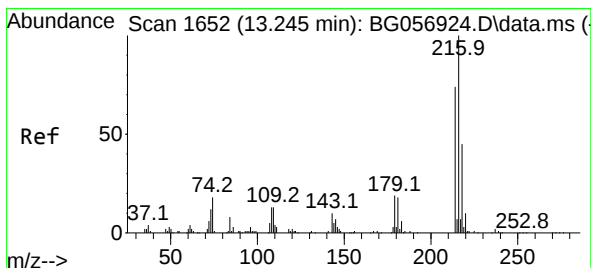
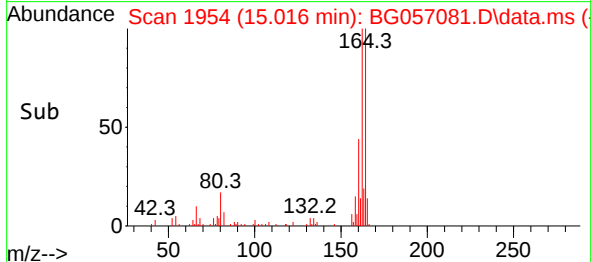
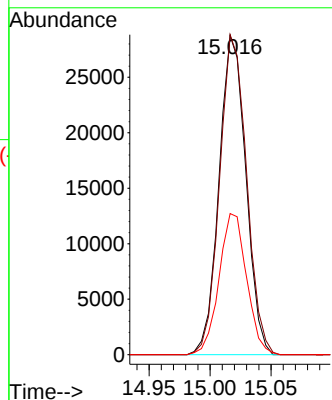
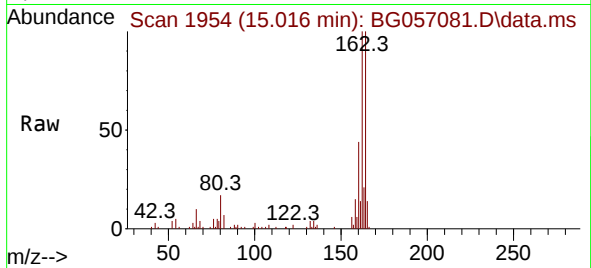




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.016 min Scan# 1954
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

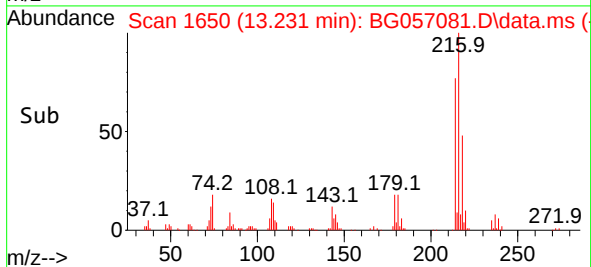
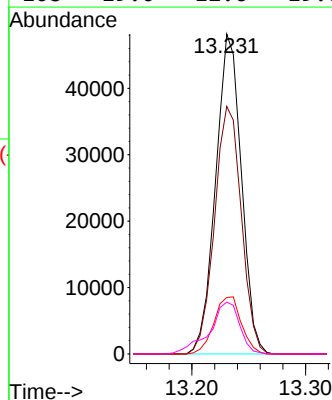
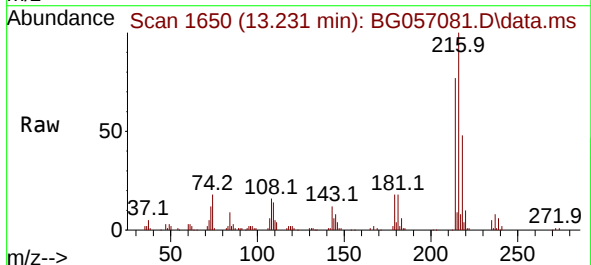
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

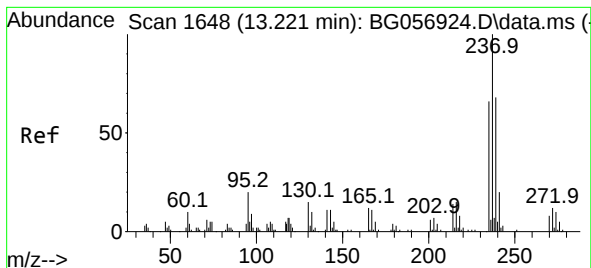
Tgt Ion:164 Resp: 43998
Ion Ratio Lower Upper
164 100
162 100.3 77.8 116.8
160 44.2 33.5 50.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.662 ng
RT: 13.231 min Scan# 1650
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:216 Resp: 75770
Ion Ratio Lower Upper
216 100
214 80.5 63.3 94.9
179 19.0 15.0 22.6
108 19.0 12.6 19.0#





#41

Hexachlorocyclopentadiene

Concen: 114.740 ng

RT: 13.207 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

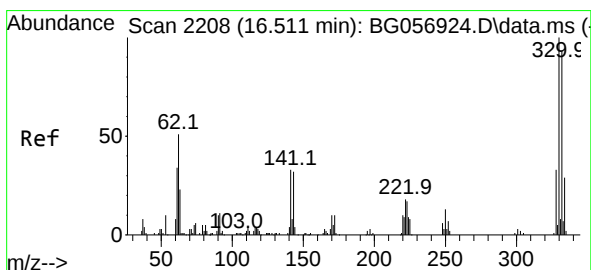
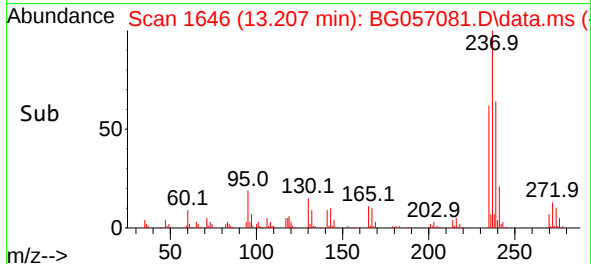
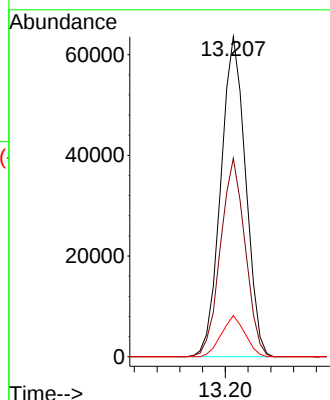
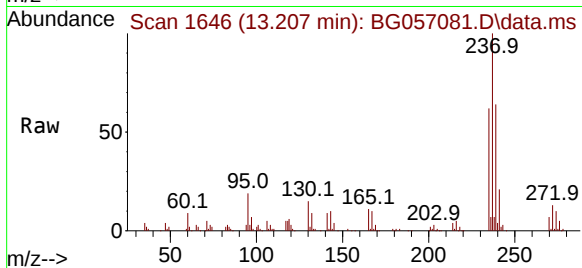
Tgt Ion:237 Resp: 96455

Ion Ratio Lower Upper

237 100

235 62.0 45.9 85.9

272 12.9 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 120.067 ng

RT: 16.503 min Scan# 2207

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

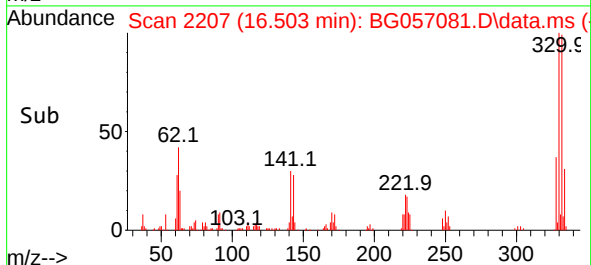
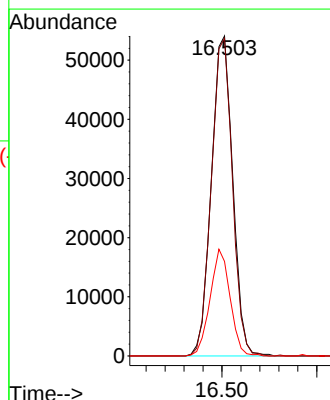
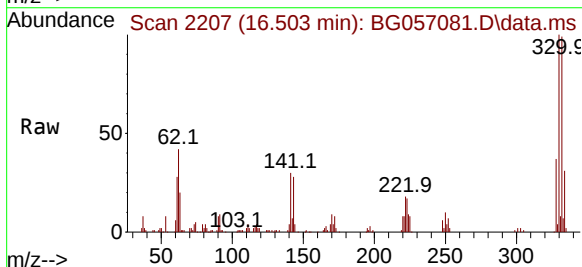
Tgt Ion:330 Resp: 84393

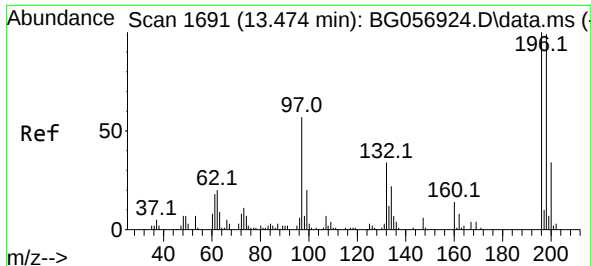
Ion Ratio Lower Upper

330 100

332 97.8 76.1 114.1

141 31.3 25.8 38.6





#43

2,4,6-Trichlorophenol

Concen: 51.623 ng

RT: 13.460 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG057081.D

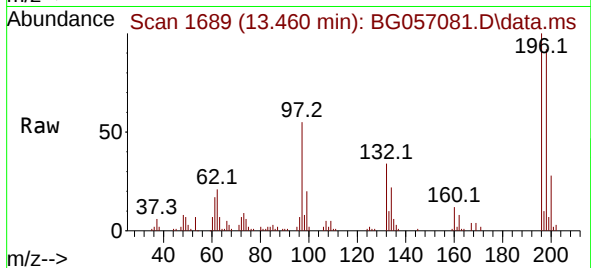
Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD



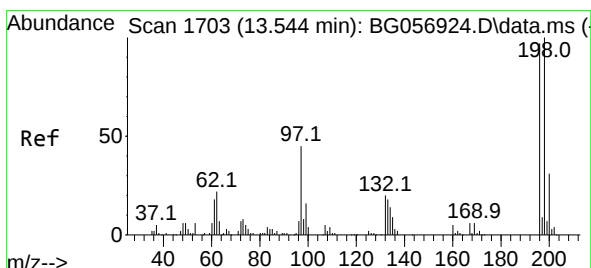
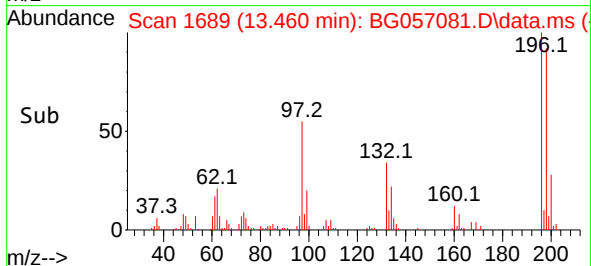
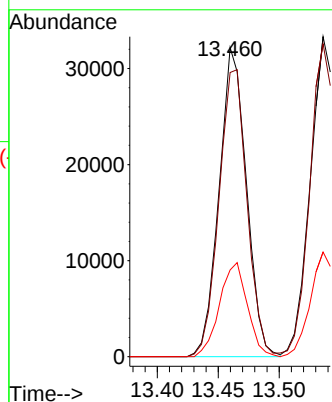
Tgt Ion:196 Resp: 50261

Ion Ratio Lower Upper

196 100

198 91.9 79.1 118.7

200 28.1 27.2 40.8



#44

2,4,5-Trichlorophenol

Concen: 46.174 ng

RT: 13.536 min Scan# 1702

Delta R.T. -0.003 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Tgt Ion:196 Resp: 53258

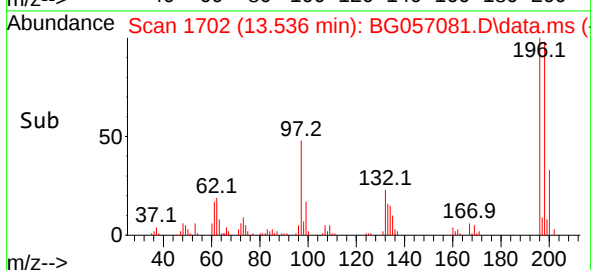
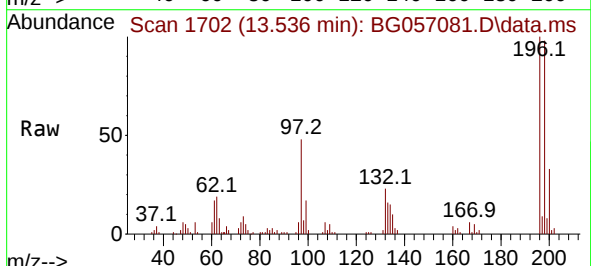
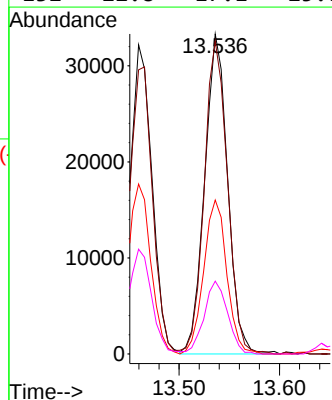
Ion Ratio Lower Upper

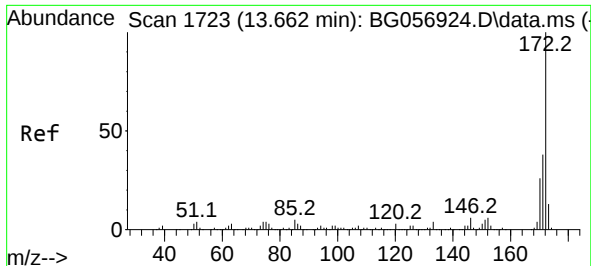
196 100

198 97.8 82.5 123.7

97 48.1 37.0 55.6

132 22.8 17.1 25.7

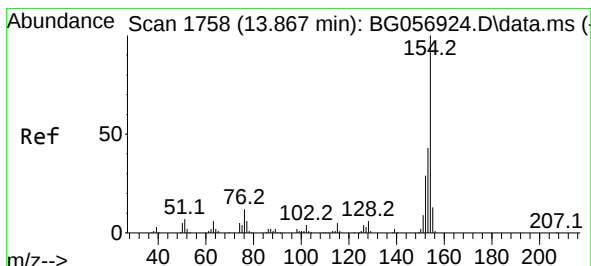
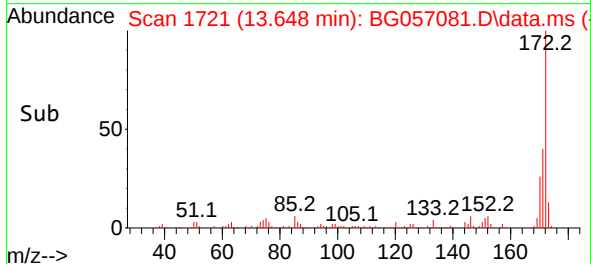
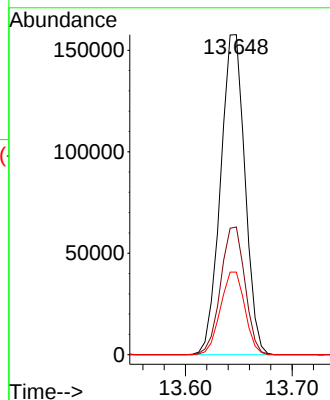
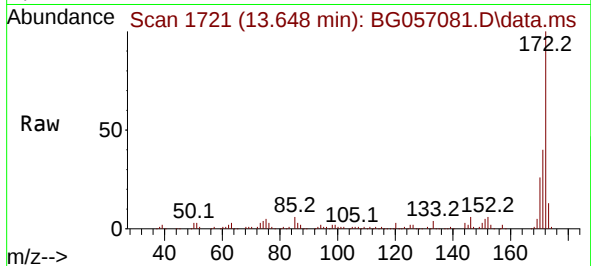




#45
2-Fluorobiphenyl
Concen: 77.208 ng
RT: 13.648 min Scan# 1721
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

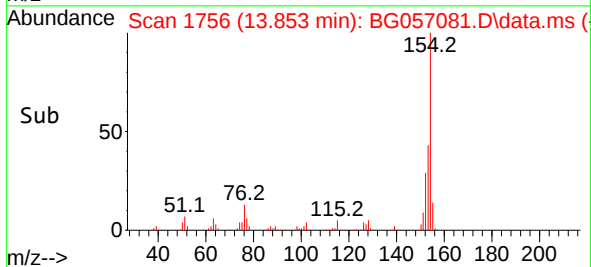
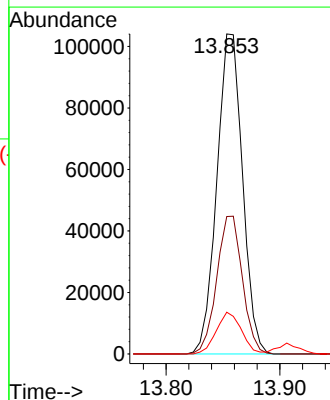
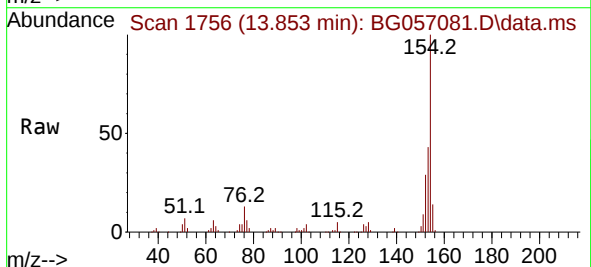
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion:172 Resp: 250515
Ion Ratio Lower Upper
172 100
171 39.9 30.6 46.0
170 25.8 20.6 30.8



#46
1,1'-Biphenyl
Concen: 50.626 ng
RT: 13.853 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:154 Resp: 163055
Ion Ratio Lower Upper
154 100
153 42.9 23.4 63.4
76 13.0 0.0 31.6

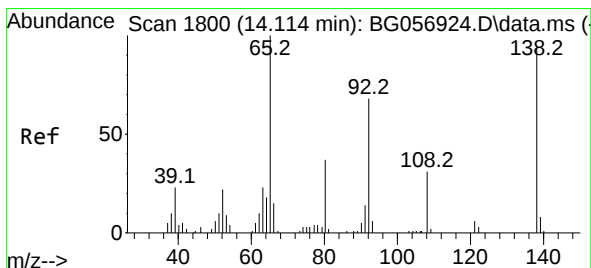
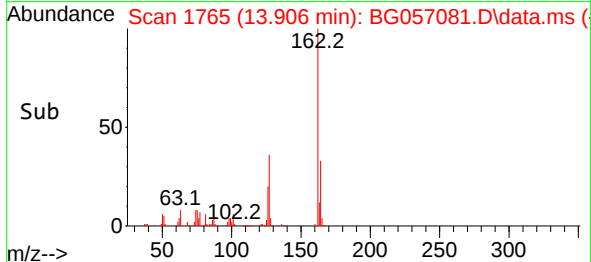
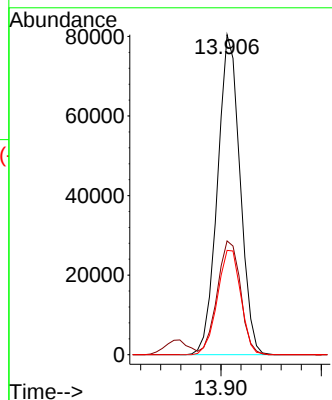
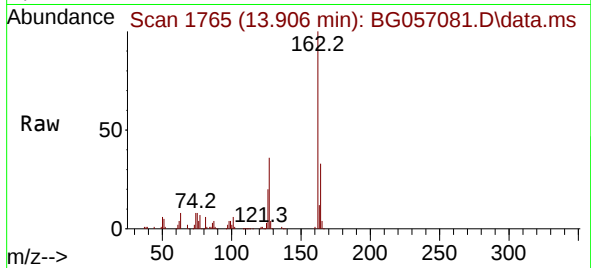




#47
2-Chloronaphthalene
Concen: 52.452 ng
RT: 13.906 min Scan# 1765
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

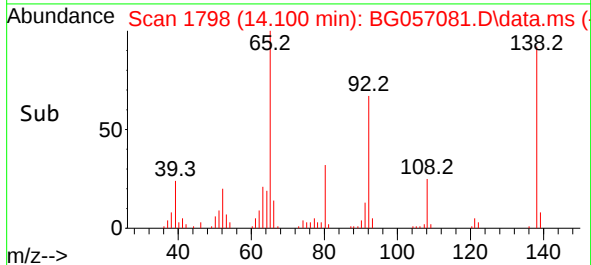
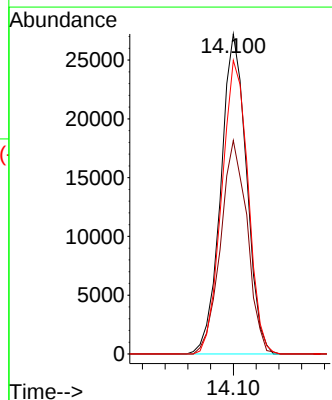
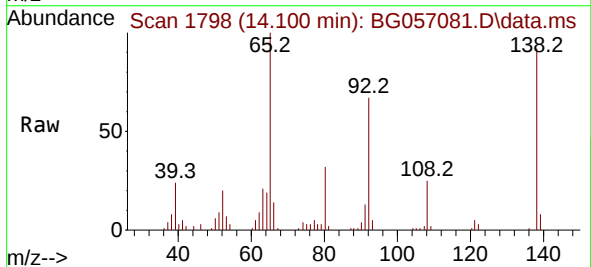
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

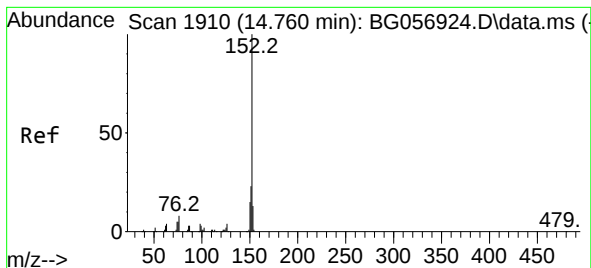
Tgt Ion:	162	Resp:	124944
Ion Ratio	Lower	Upper	
162	100		
127	35.6	29.5	44.3
164	32.6	25.5	38.3



#48
2-Nitroaniline
Concen: 50.088 ng
RT: 14.100 min Scan# 1798
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:	65	Resp:	42663
Ion Ratio	Lower	Upper	
65	100		
92	66.7	54.3	81.5
138	91.7	76.0	114.0





#49

Acenaphthylene

Concen: 50.241 ng

RT: 14.746 min Scan# 1910

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

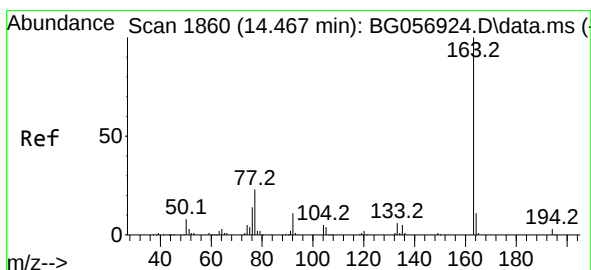
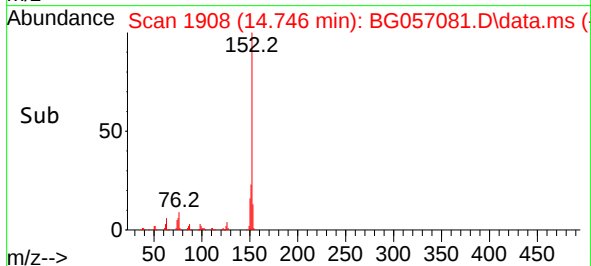
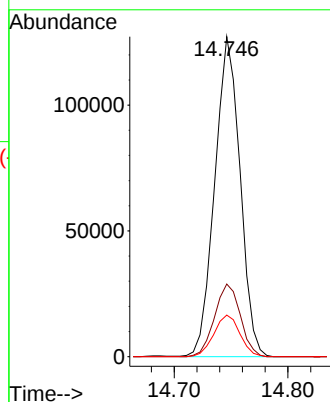
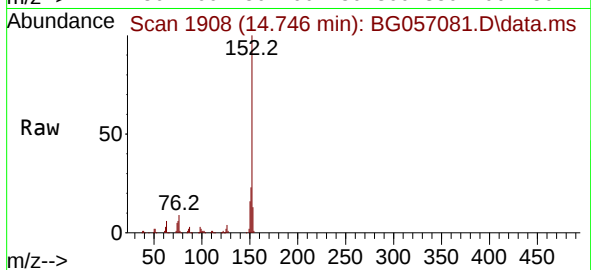
Tgt Ion:152 Resp: 196633

Ion Ratio Lower Upper

152 100

151 22.7 18.2 27.2

153 13.0 10.5 15.7



#50

Dimethylphthalate

Concen: 47.155 ng

RT: 14.452 min Scan# 1858

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

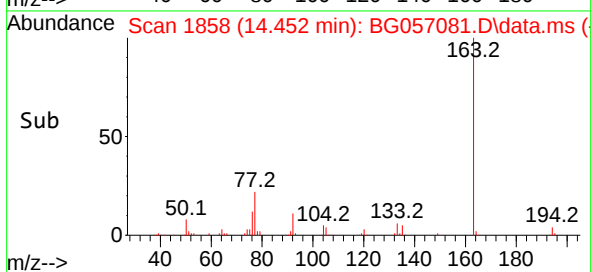
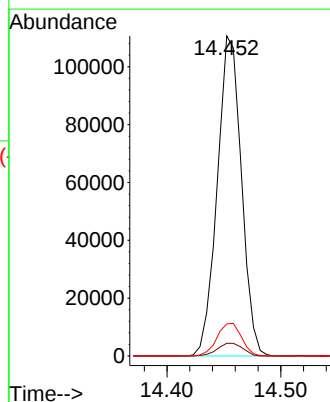
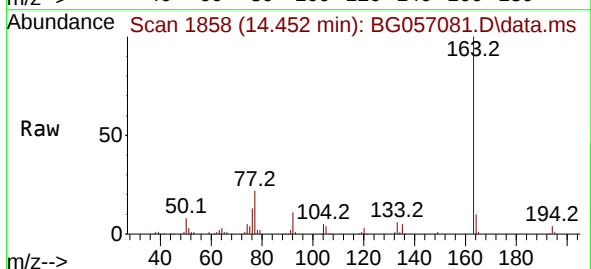
Tgt Ion:163 Resp: 163474

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

164 10.0 8.8 13.2

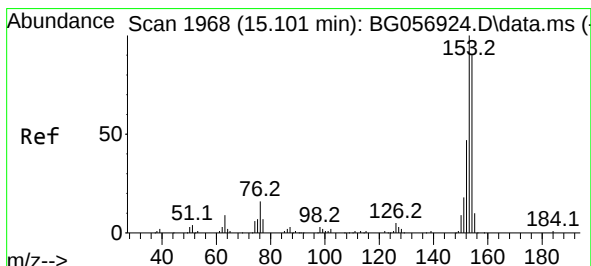
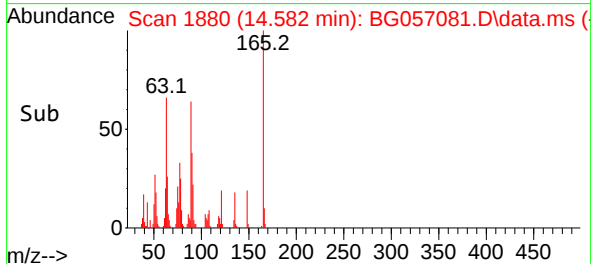
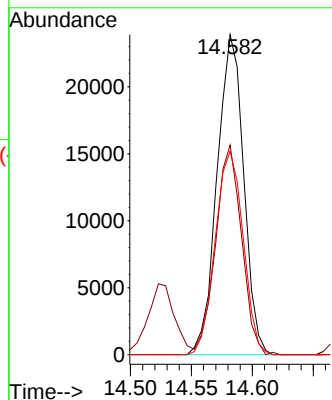
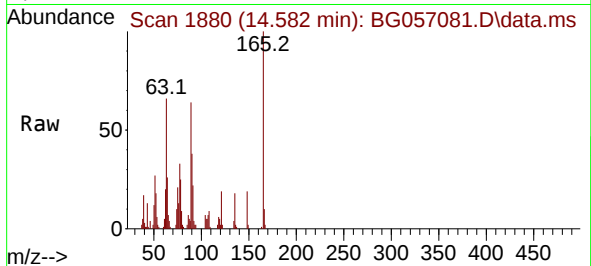




#51
2,6-Dinitrotoluene
Concen: 48.378 ng
RT: 14.582 min Scan# 1881
Delta R.T. -0.003 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

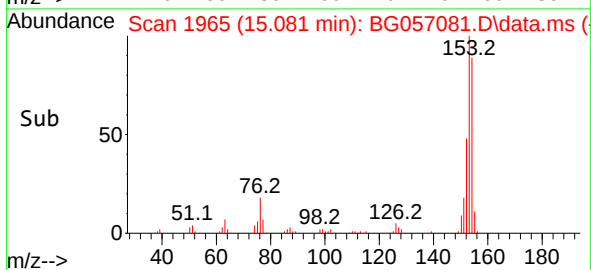
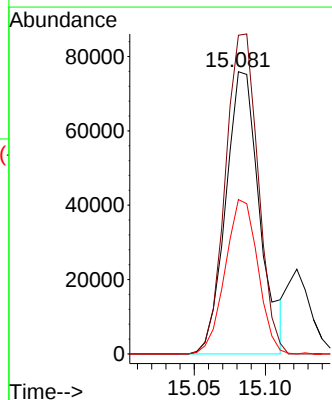
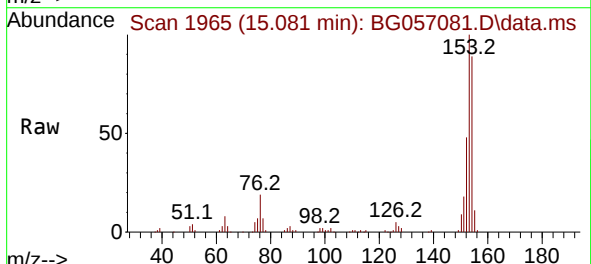
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

Tgt Ion:165 Resp: 36236
Ion Ratio Lower Upper
165 100
63 65.5 53.0 79.6
89 63.6 51.0 76.4



#52
Acenaphthene
Concen: 46.679 ng
RT: 15.081 min Scan# 1965
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:154 Resp: 125999
Ion Ratio Lower Upper
154 100
153 112.9 88.9 133.3
152 54.7 41.8 62.8

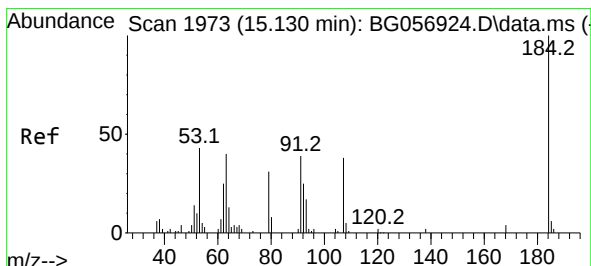
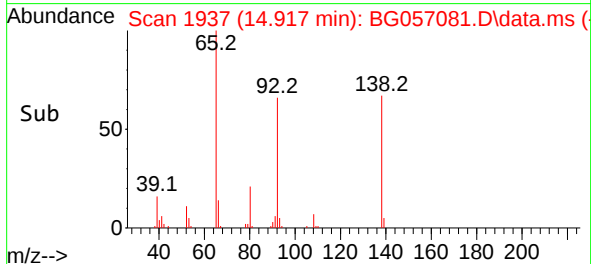
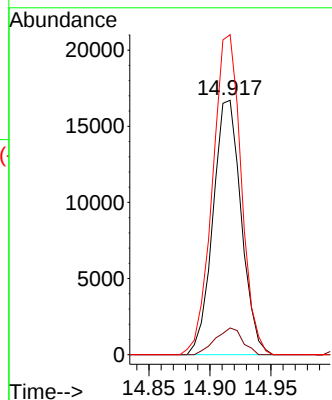
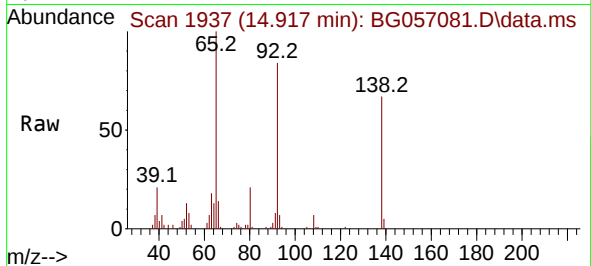




#53
3-Nitroaniline
Concen: 36.315 ng
RT: 14.917 min Scan# 1937
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

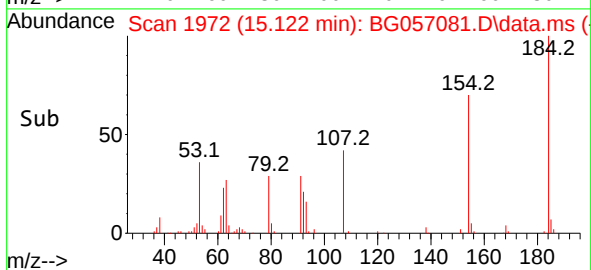
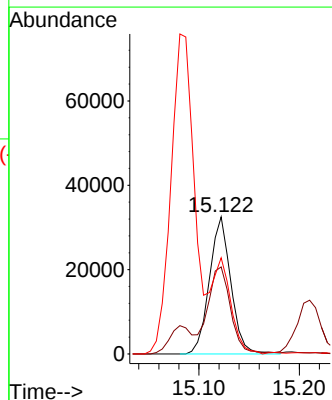
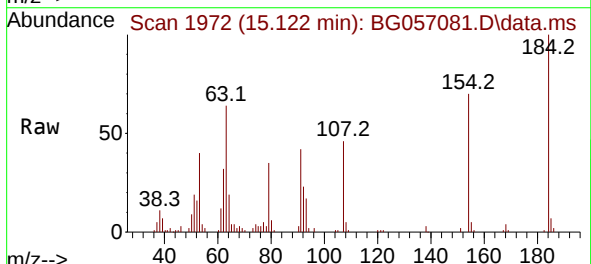
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

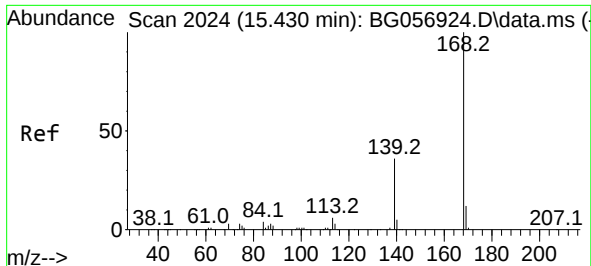
Tgt Ion:138 Resp: 26924
Ion Ratio Lower Upper
138 100
108 10.5 8.2 12.2
92 125.8 105.2 157.8



#54
2,4-Dinitrophenol
Concen: 114.536 ng
RT: 15.122 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:184 Resp: 48288
Ion Ratio Lower Upper
184 100
63 63.5 46.5 69.7
154 70.2 53.5 80.3

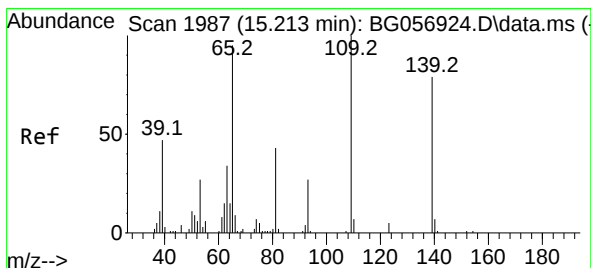
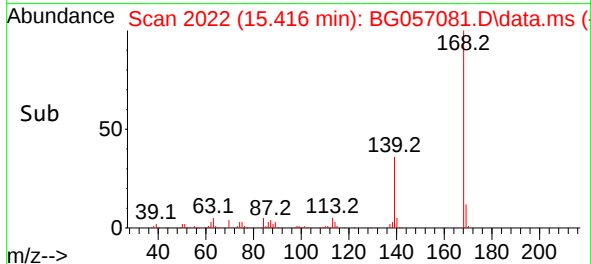
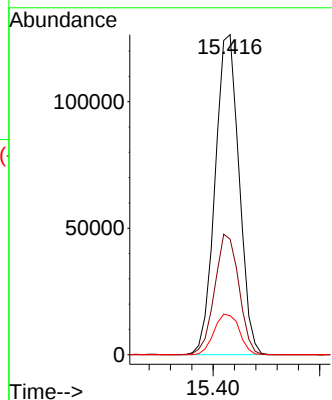
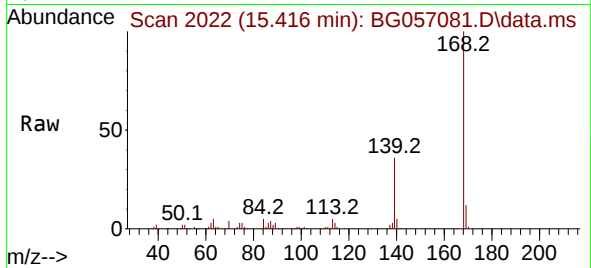




#55
Dibenzenofuran
Concen: 48.574 ng
RT: 15.416 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

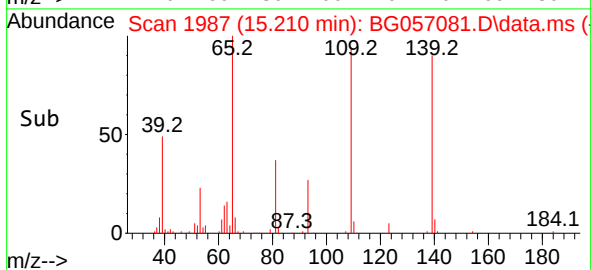
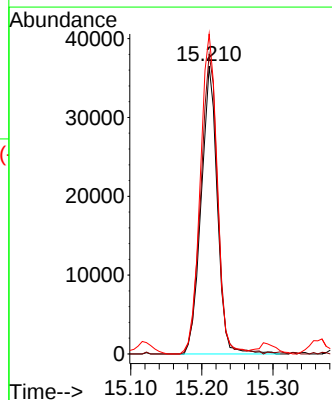
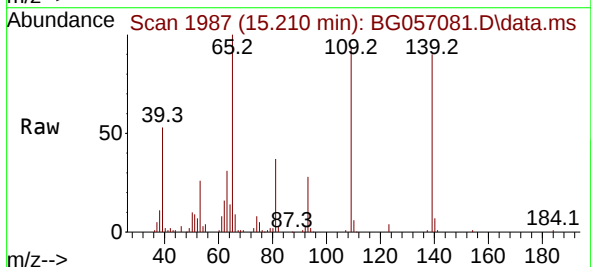
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

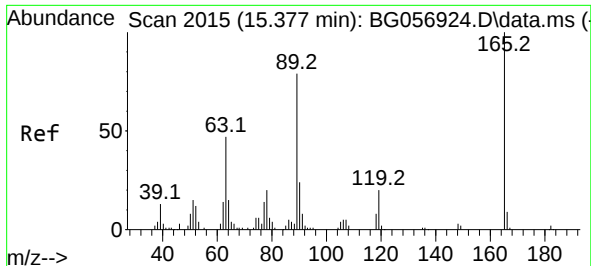
Tgt Ion:168 Resp: 196786
Ion Ratio Lower Upper
168 100
139 36.1 28.9 43.3
169 12.2 9.8 14.6



#56
4-Nitrophenol
Concen: 105.735 ng
RT: 15.210 min Scan# 1987
Delta R.T. 0.002 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:139 Resp: 57968
Ion Ratio Lower Upper
139 100
109 104.3 106.7 146.7#
65 111.2 100.5 140.5





#57

2,4-Dinitrotoluene

Concen: 47.086 ng

RT: 15.369 min Scan# 2014

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

Tgt Ion:165 Resp: 49742

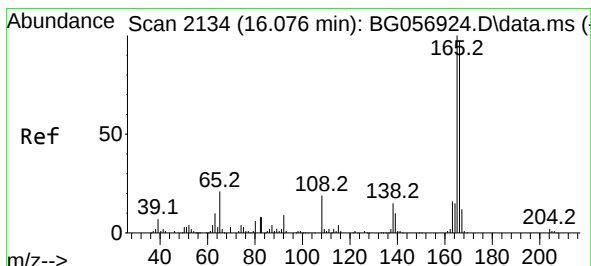
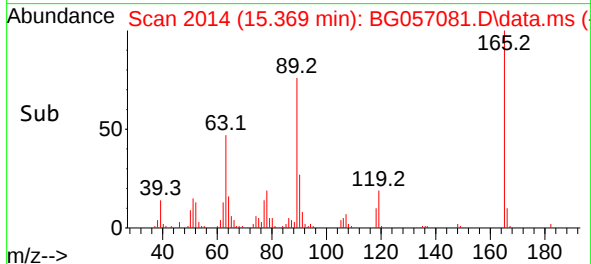
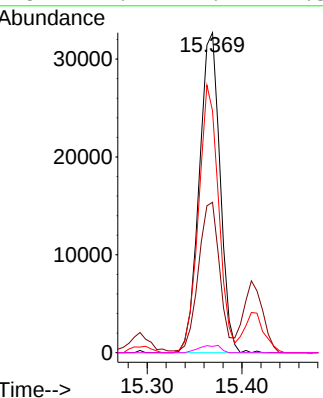
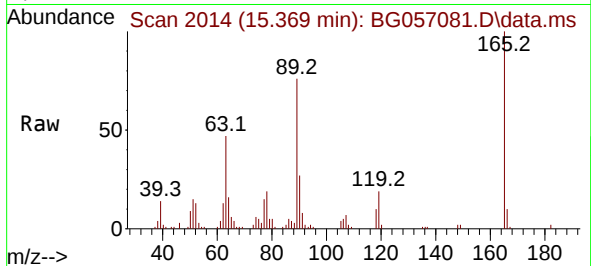
Ion Ratio Lower Upper

165 100

63 47.0 37.7 56.5

89 75.6 63.2 94.8

182 1.9 1.7 2.5



#58

Fluorene

Concen: 48.411 ng

RT: 16.062 min Scan# 2132

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

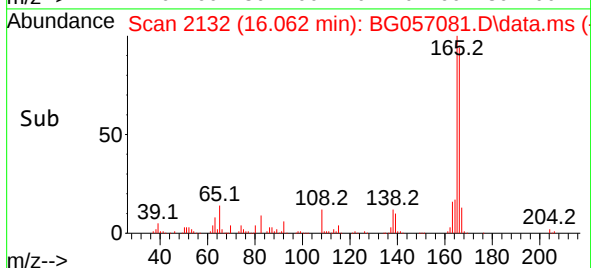
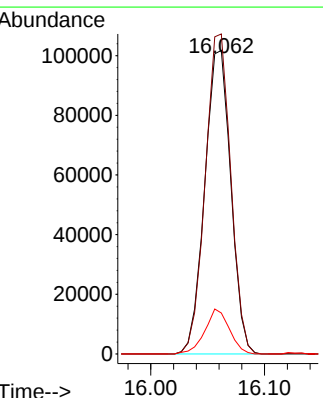
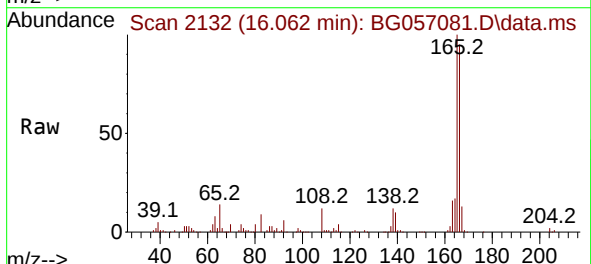
Tgt Ion:166 Resp: 162292

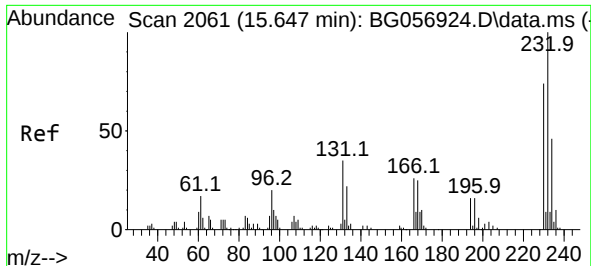
Ion Ratio Lower Upper

166 100

165 105.4 82.6 123.8

167 13.5 10.2 15.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.432 ng

RT: 15.633 min Scan# 2061

Delta R.T. -0.004 min

Lab File: BG057081.D

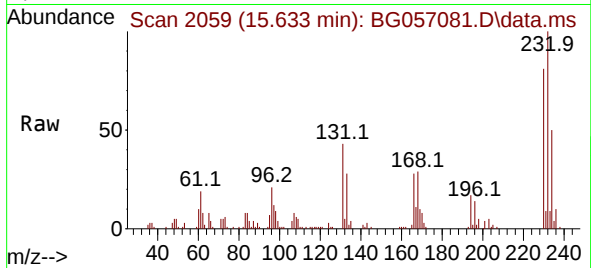
Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD



Tgt Ion:232 Resp: 49812

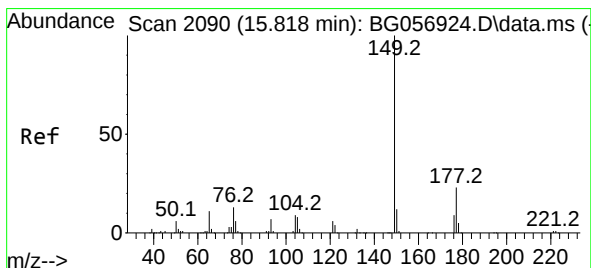
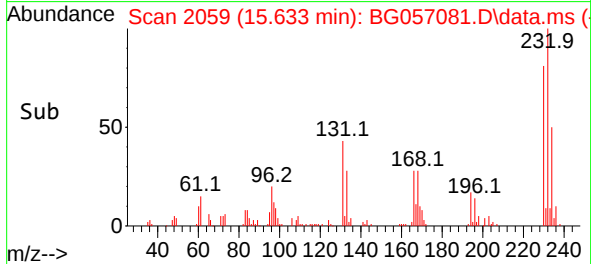
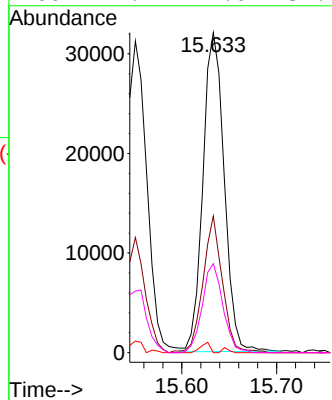
Ion Ratio Lower Upper

232 100

131 39.2 29.3 43.9

130 1.4 1.7 2.5#

166 27.2 21.0 31.6



#60

Diethylphthalate

Concen: 47.855 ng

RT: 15.804 min Scan# 2088

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

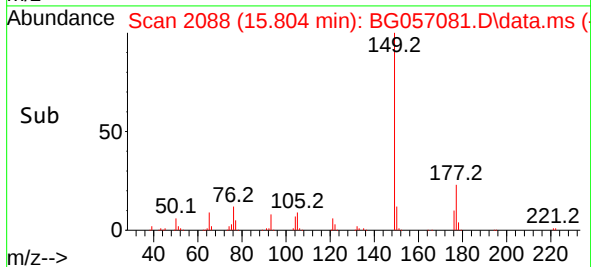
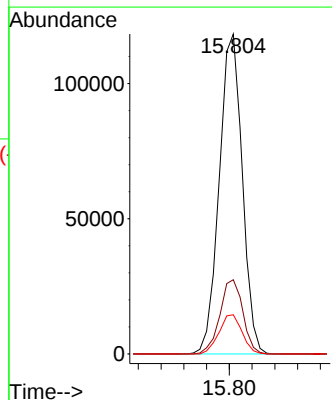
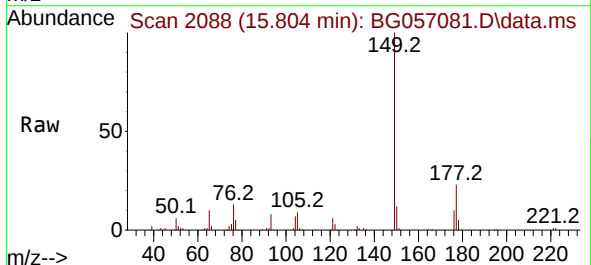
Tgt Ion:149 Resp: 166313

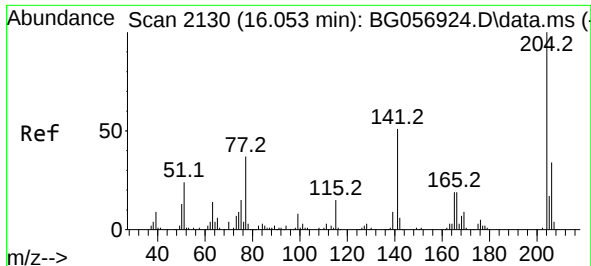
Ion Ratio Lower Upper

149 100

177 23.2 18.8 28.2

150 12.2 9.4 14.2

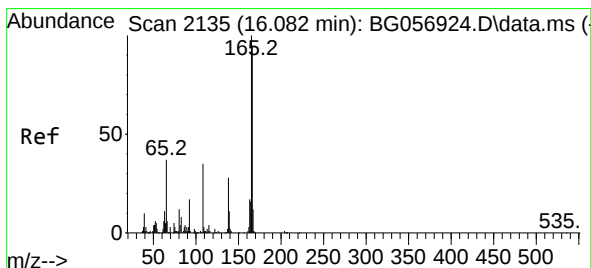
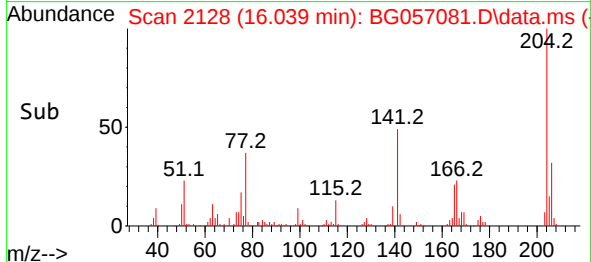
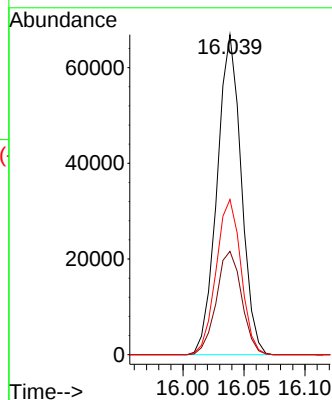
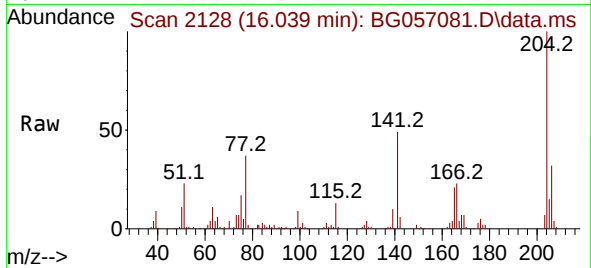




#61
4-Chlorophenyl-phenylether
Concen: 46.951 ng
RT: 16.039 min Scan# 2130
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

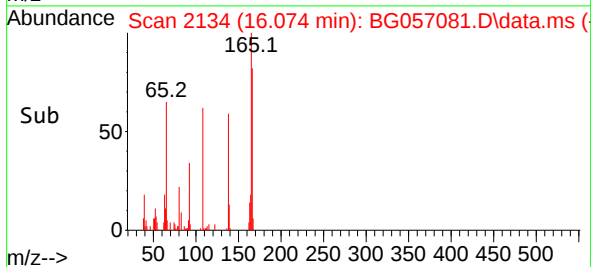
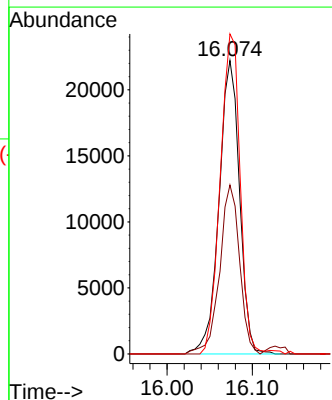
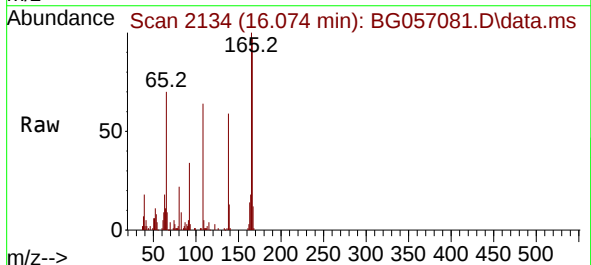
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

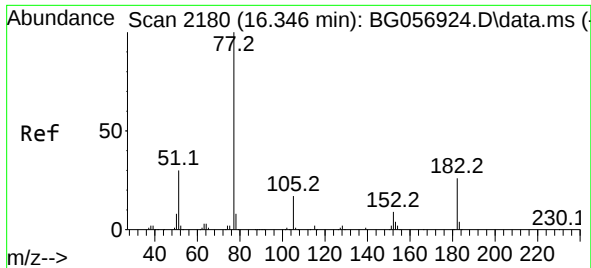
Tgt Ion:204 Resp: 92412
Ion Ratio Lower Upper
204 100
206 32.3 27.2 40.8
141 48.5 40.7 61.1



#62
4-Nitroaniline
Concen: 48.276 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:138 Resp: 37083
Ion Ratio Lower Upper
138 100
92 57.6 40.9 80.9
108 109.0 104.3 144.3

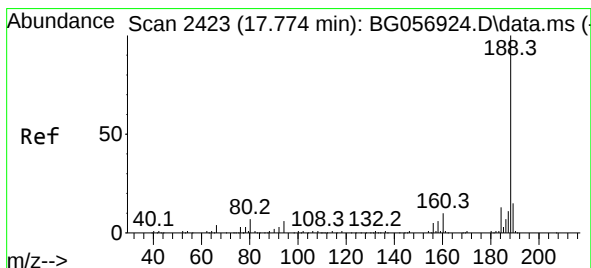
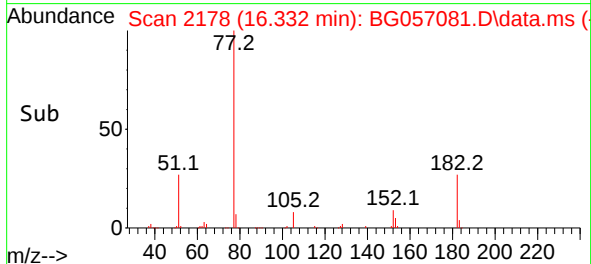
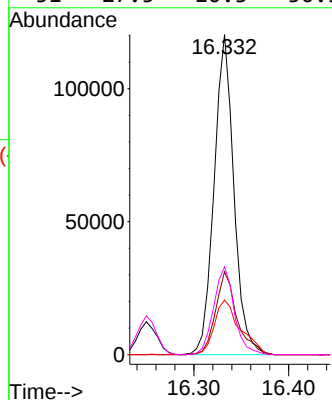
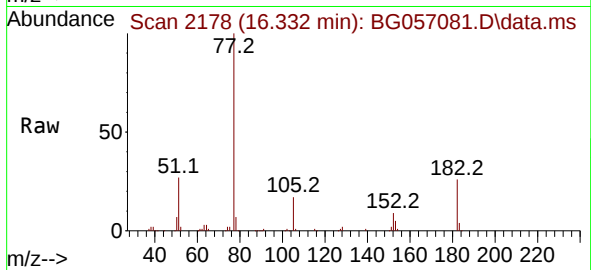




#63
Azobenzene
Concen: 50.350 ng
RT: 16.332 min Scan# 2180
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

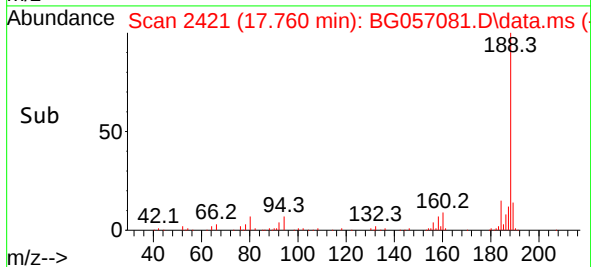
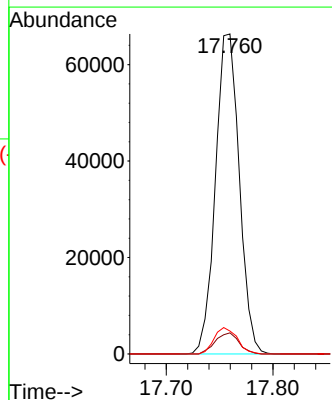
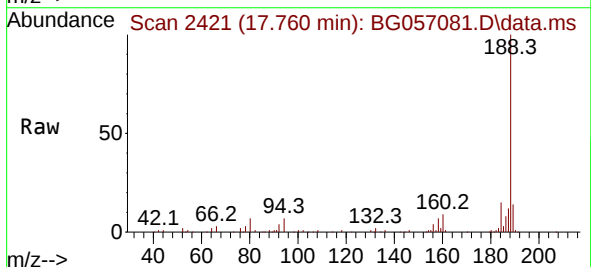
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

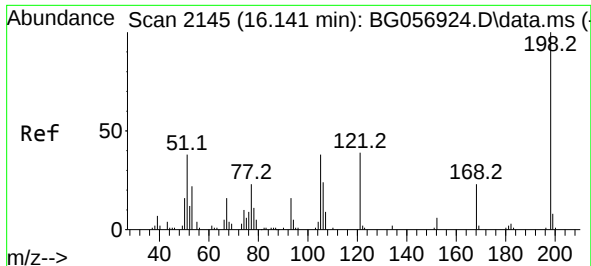
Tgt Ion: 77 Resp: 174389
Ion Ratio Lower Upper
77 100
182 25.9 5.9 45.9
105 17.1 0.0 36.8
51 27.5 10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.760 min Scan# 2421
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:188 Resp: 102845
Ion Ratio Lower Upper
188 100
94 6.6 4.6 6.8
80 7.2 5.5 8.3





#65

4,6-Dinitro-2-methylphenol

Concen: 58.449 ng

RT: 16.127 min Scan# 2143

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

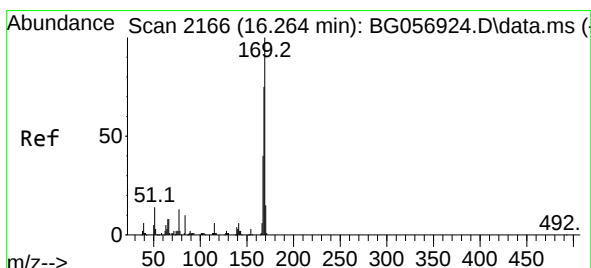
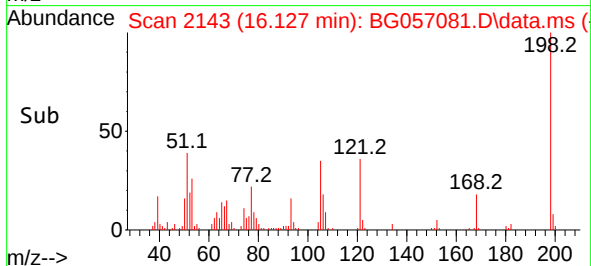
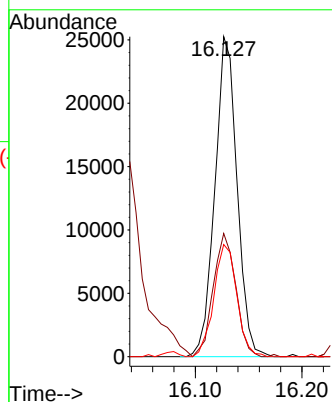
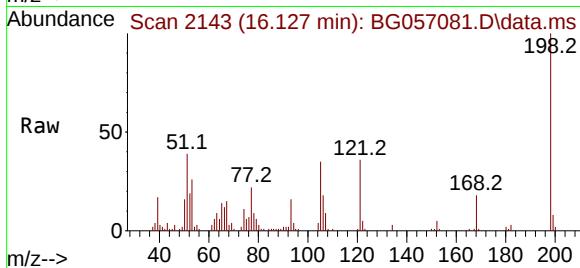
Tgt Ion:198 Resp: 36406

Ion Ratio Lower Upper

198 100

51 38.5 20.5 60.5

105 35.1 18.1 58.1



#66

n-Nitrosodiphenylamine

Concen: 49.285 ng

RT: 16.250 min Scan# 2164

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

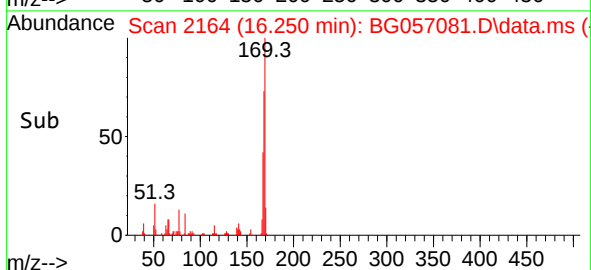
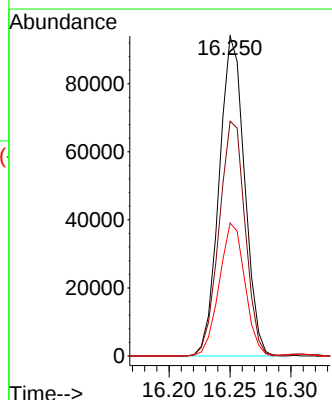
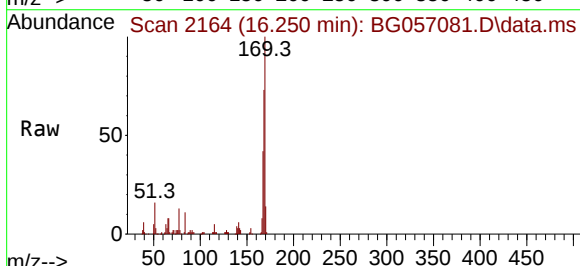
Tgt Ion:169 Resp: 136065

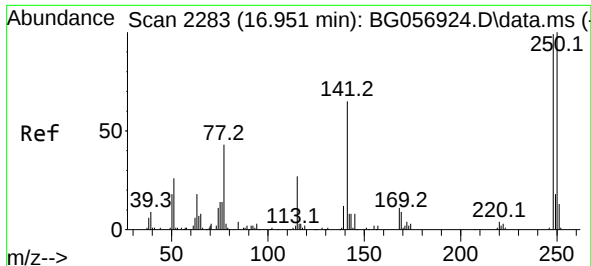
Ion Ratio Lower Upper

169 100

168 73.3 59.6 89.4

167 41.6 31.8 47.8

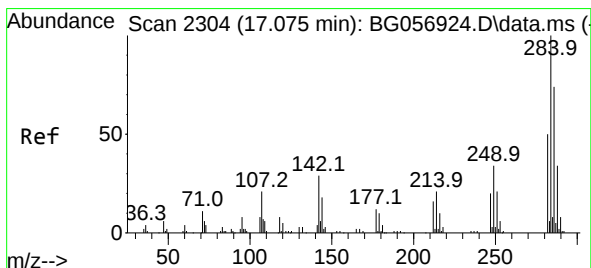
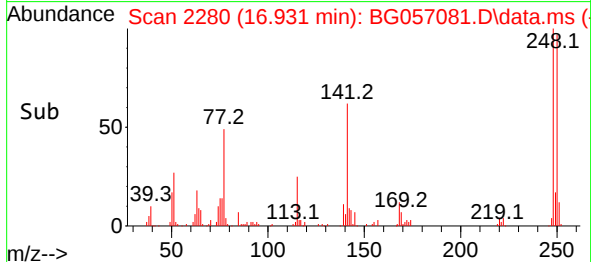
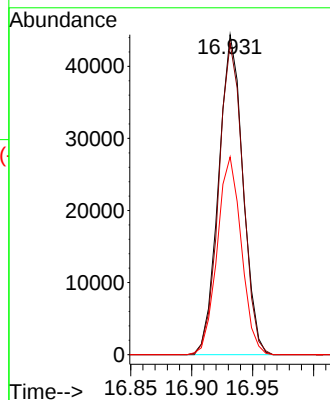
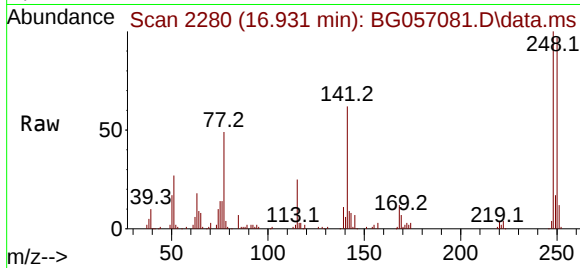




#67
4-Bromophenyl-phenylether
Concen: 48.418 ng
RT: 16.931 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

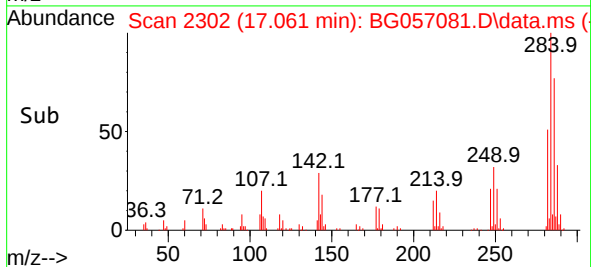
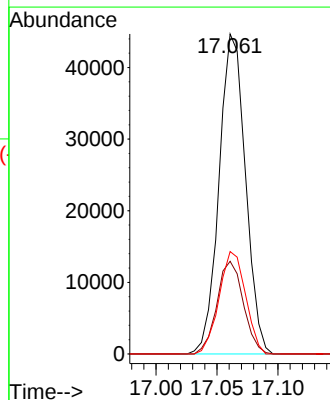
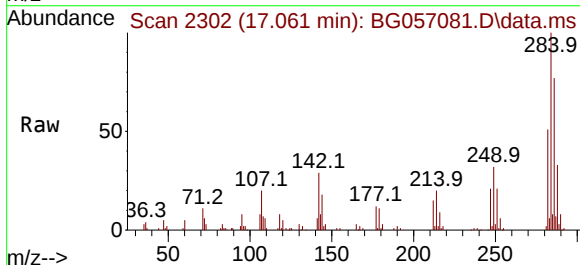
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

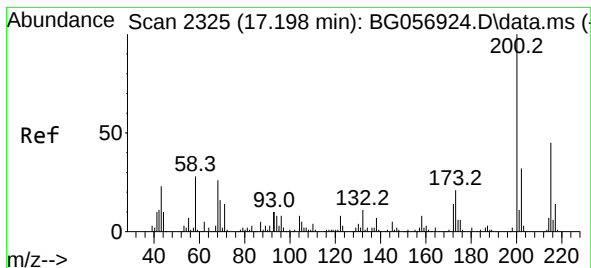
Tgt Ion:248 Resp: 61613
Ion Ratio Lower Upper
248 100
250 97.4 80.5 120.7
141 61.8 52.0 78.0



#68
Hexachlorobenzene
Concen: 53.459 ng
RT: 17.061 min Scan# 2302
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:284 Resp: 67256
Ion Ratio Lower Upper
284 100
142 28.9 23.0 34.4
249 32.0 27.1 40.7





#69

Atrazine

Concen: 54.032 ng

RT: 17.184 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

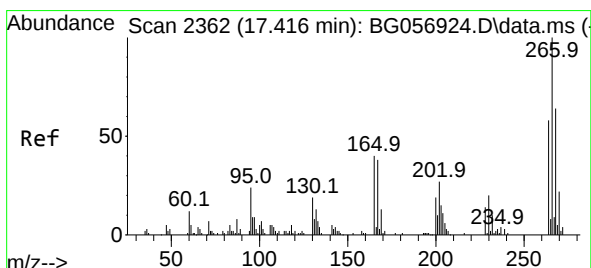
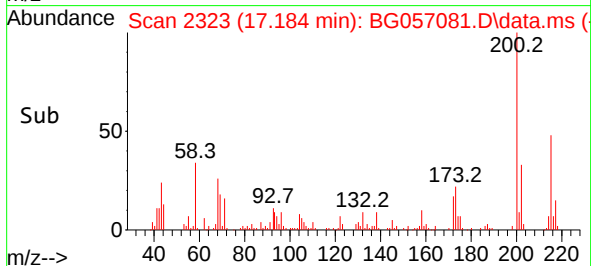
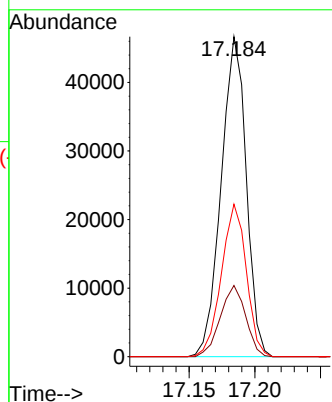
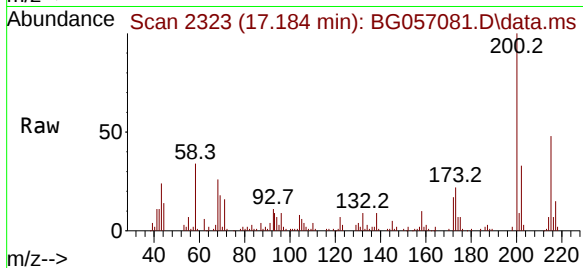
Tgt Ion:200 Resp: 61922

Ion Ratio Lower Upper

200 100

173 22.3 1.0 41.0

215 47.6 25.0 65.0



#70

Pentachlorophenol

Concen: 87.367 ng

RT: 17.401 min Scan# 2360

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

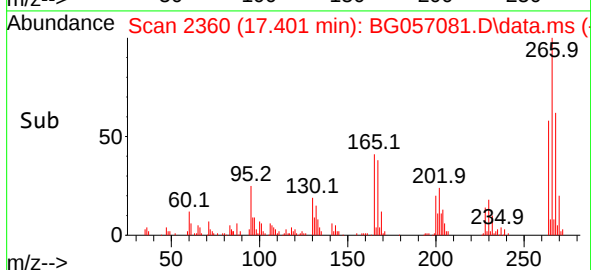
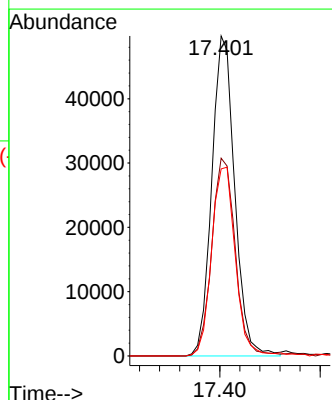
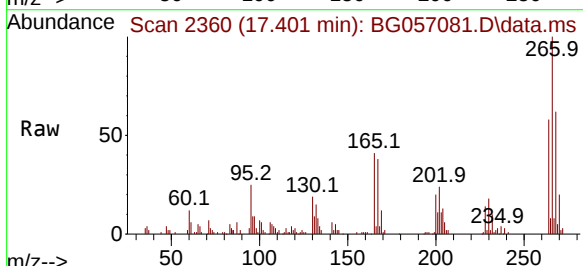
Tgt Ion:266 Resp: 78855

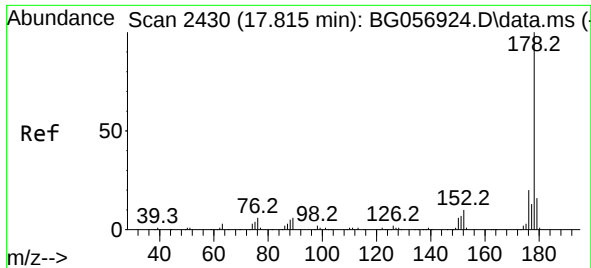
Ion Ratio Lower Upper

266 100

268 61.8 51.0 76.6

264 58.4 46.8 70.2

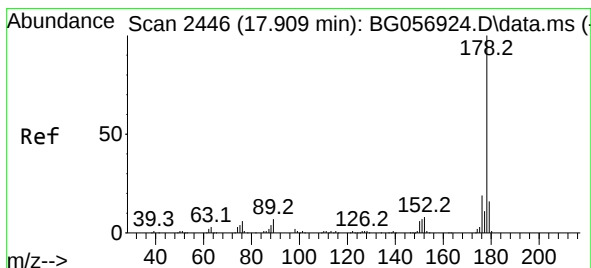
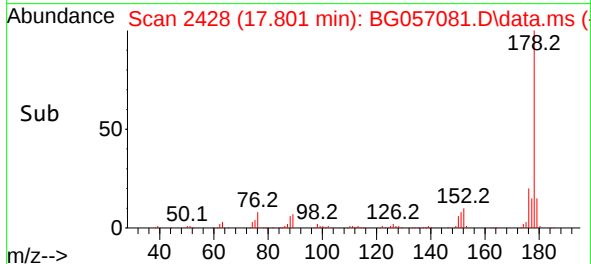
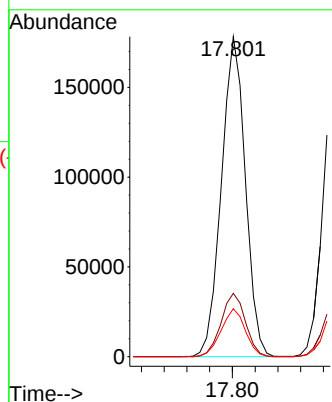
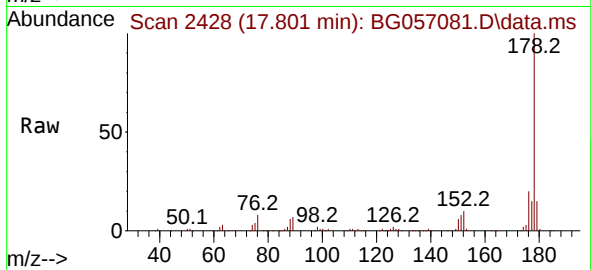




#71
Phenanthrene
Concen: 49.661 ng
RT: 17.801 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

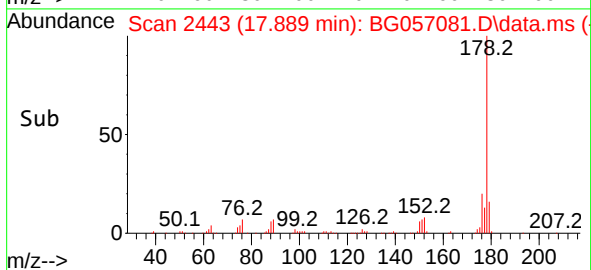
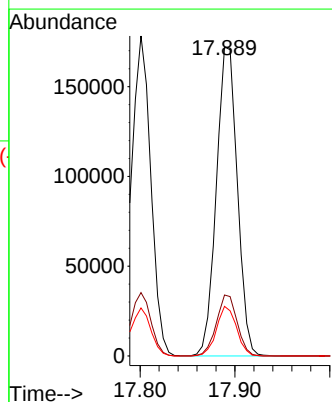
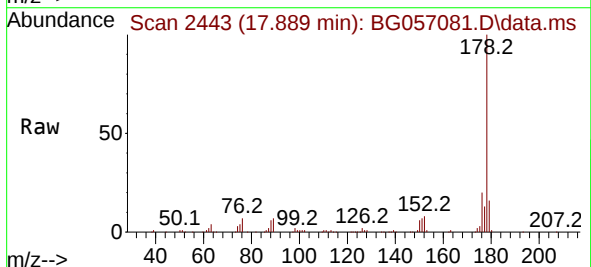
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

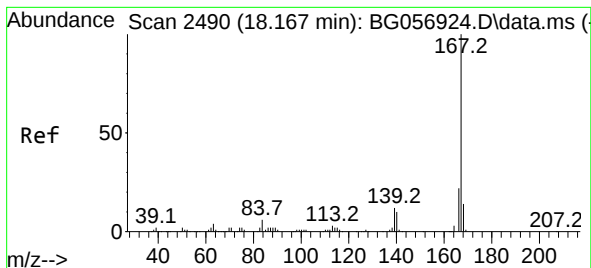
Tgt Ion:178 Resp: 260400
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.0 12.5 18.7



#72
Anthracene
Concen: 49.308 ng
RT: 17.889 min Scan# 2443
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:178 Resp: 265045
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.1 12.4 18.6





#73

Carbazole

Concen: 49.861 ng

RT: 18.153 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

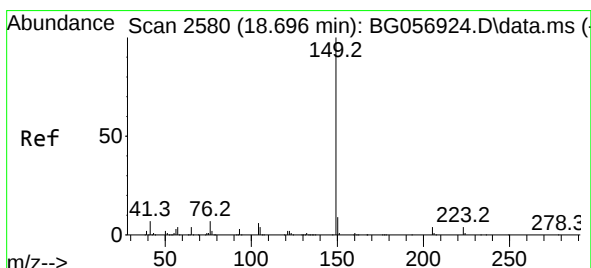
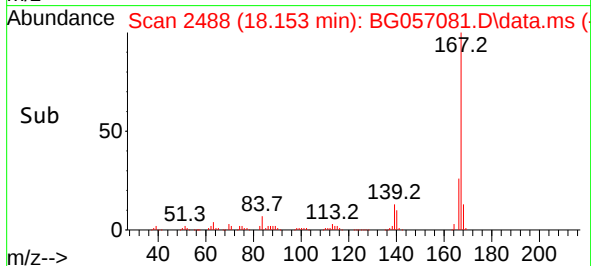
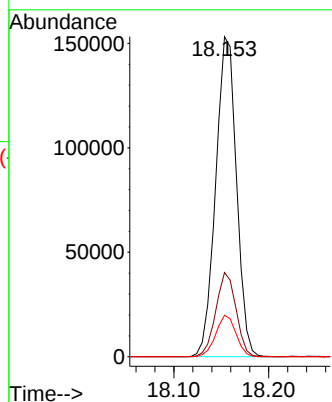
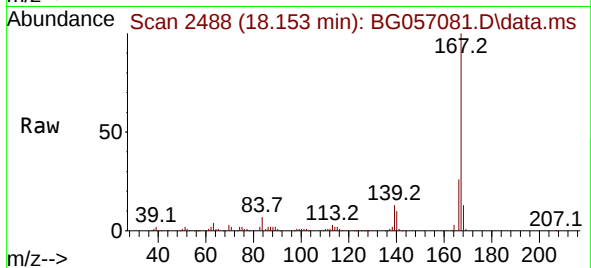
Tgt Ion:167 Resp: 233675

Ion Ratio Lower Upper

167 100

166 26.3 17.9 26.9

139 13.0 9.5 14.3



#74

Di-n-butylphthalate

Concen: 49.819 ng

RT: 18.676 min Scan# 2577

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

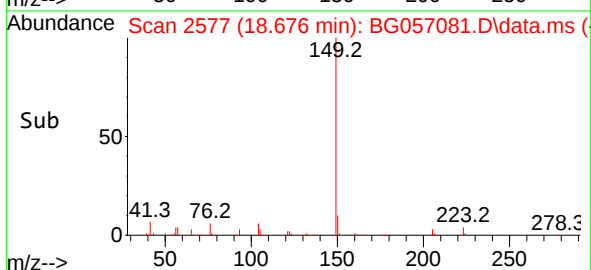
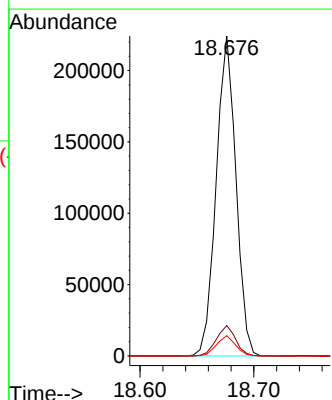
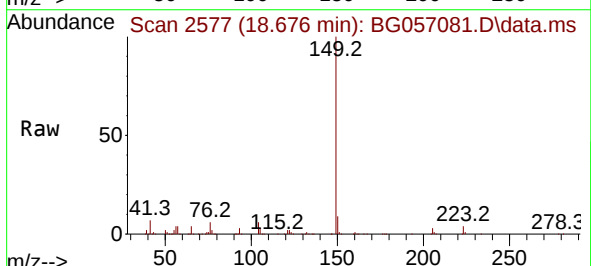
Tgt Ion:149 Resp: 270367

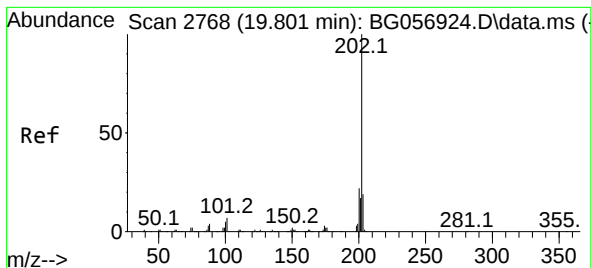
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 6.3 4.9 7.3





#75

Fluoranthene

Concen: 45.666 ng

RT: 19.786 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

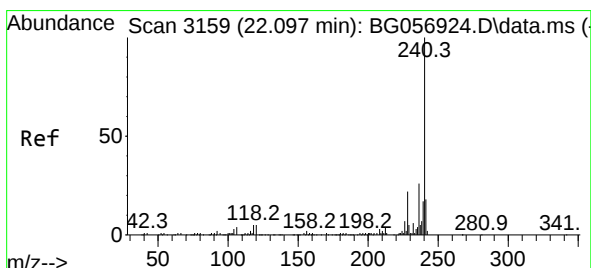
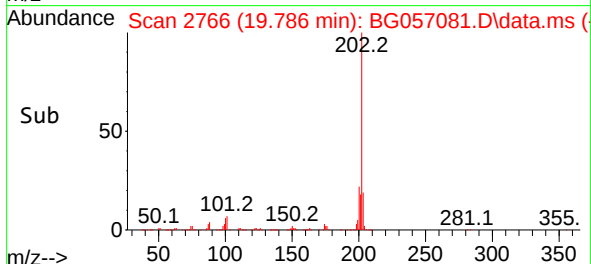
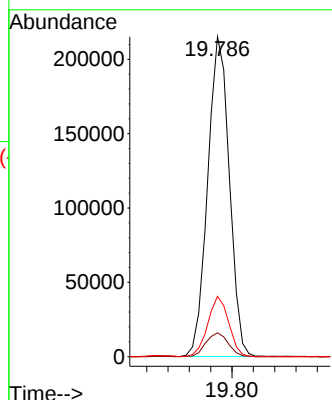
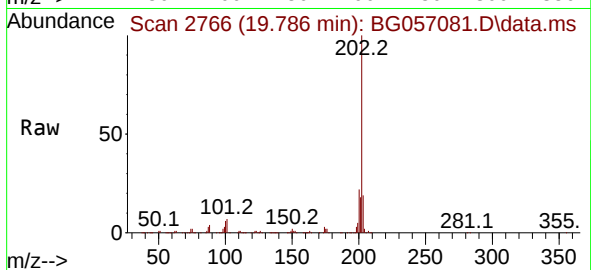
Tgt Ion:202 Resp: 303543

Ion Ratio Lower Upper

202 100

101 7.5 0.0 26.7

203 18.9 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.077 min Scan# 3156

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

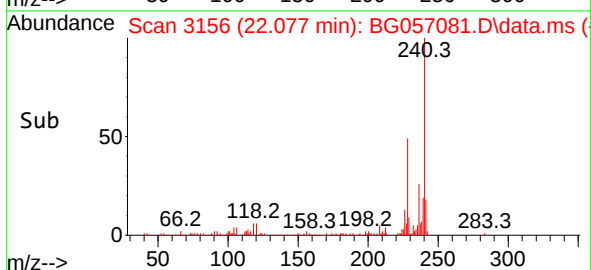
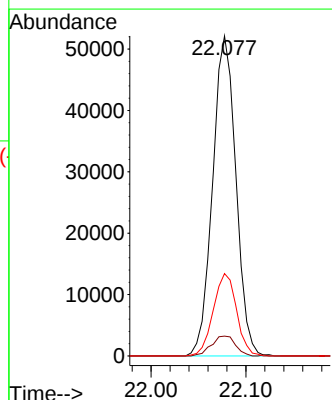
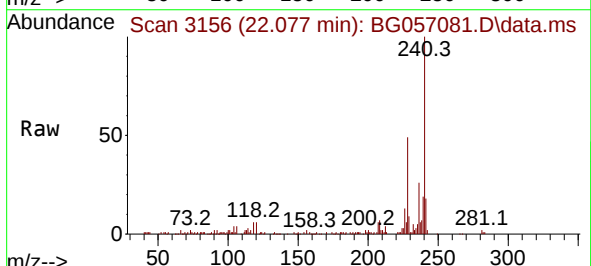
Tgt Ion:240 Resp: 88829

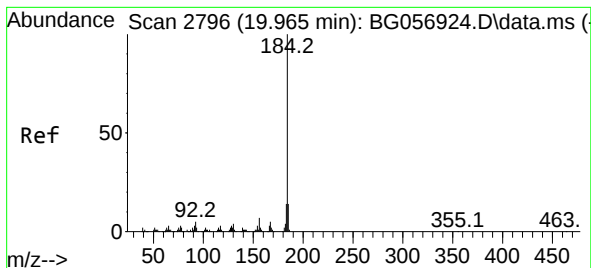
Ion Ratio Lower Upper

240 100

120 6.2 3.8 5.6#

236 25.8 21.0 31.6





#77

Benzidine

Concen: 68.652 ng

RT: 19.951 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

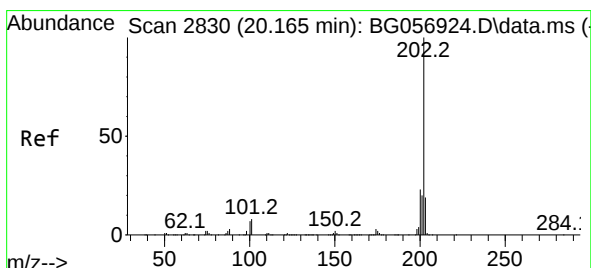
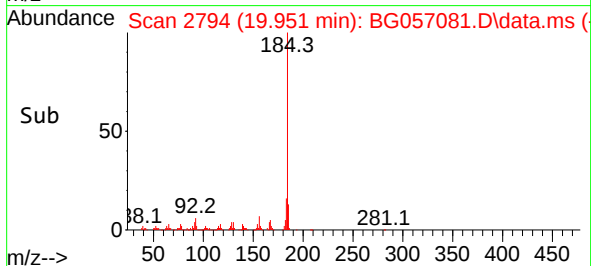
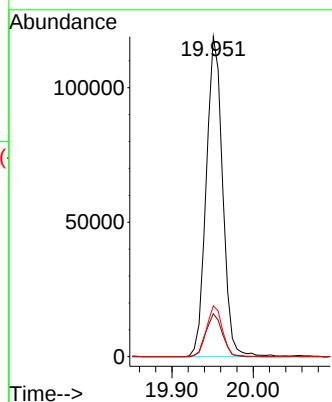
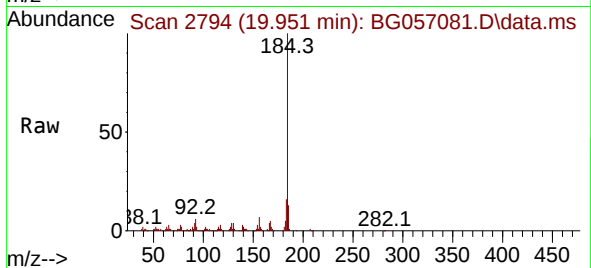
Tgt Ion:184 Resp: 166687

Ion Ratio Lower Upper

184 100

185 13.4 11.0 16.4

183 15.9 11.4 17.0



#78

Pyrene

Concen: 50.038 ng

RT: 20.151 min Scan# 2828

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

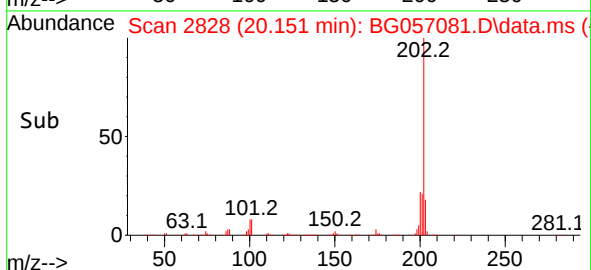
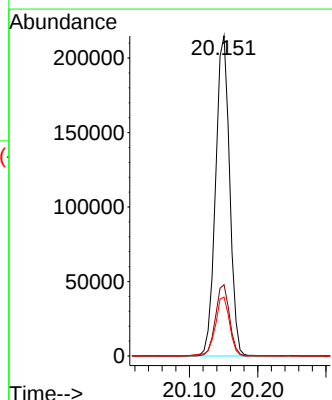
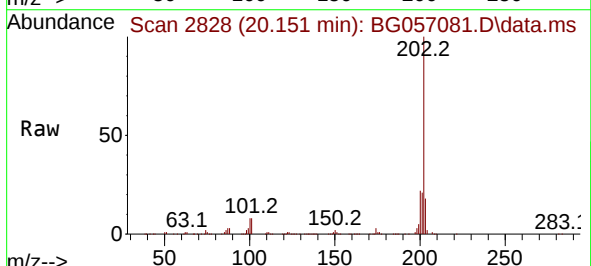
Tgt Ion:202 Resp: 307429

Ion Ratio Lower Upper

202 100

200 22.2 18.7 28.1

203 18.4 15.4 23.2

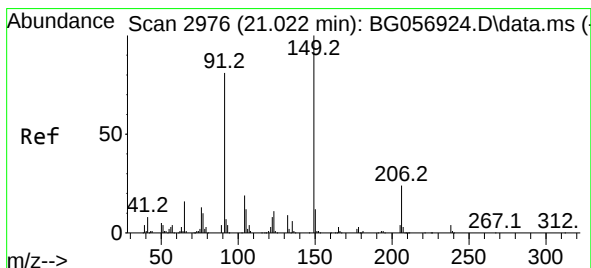
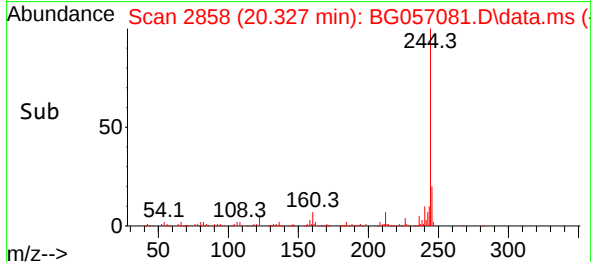
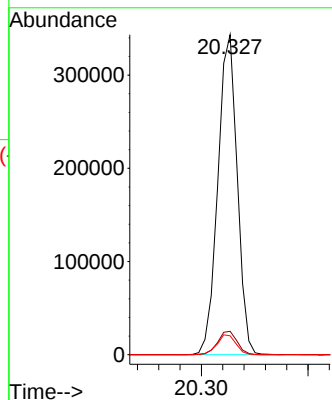
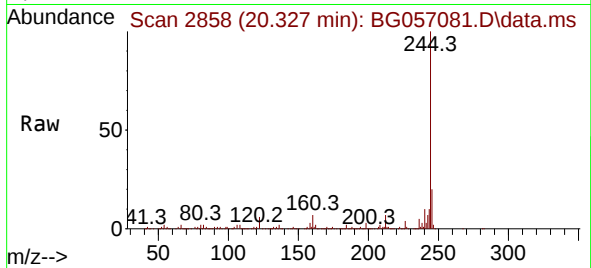




#79
 Terphenyl-d14
 Concen: 82.316 ng
 RT: 20.327 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG057081.D
 Acq: 13 Apr 2023 14:06

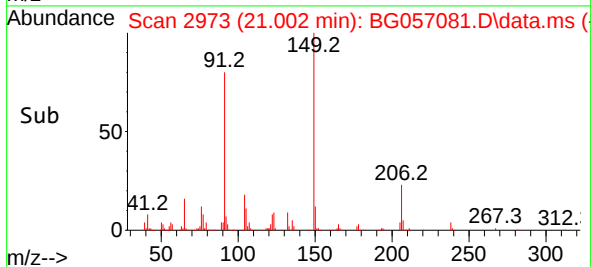
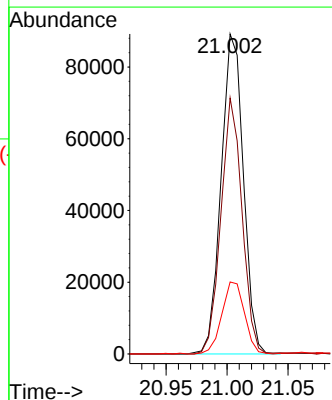
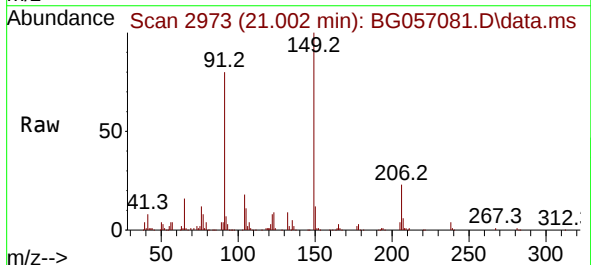
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SO-VB3-041123MSD

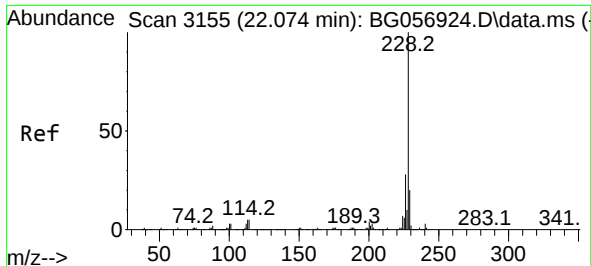
Tgt Ion:244 Resp: 432114
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.9 5.0 7.4



#80
 Butylbenzylphthalate
 Concen: 53.717 ng
 RT: 21.002 min Scan# 2973
 Delta R.T. -0.004 min
 Lab File: BG057081.D
 Acq: 13 Apr 2023 14:06

Tgt Ion:149 Resp: 113570
 Ion Ratio Lower Upper
 149 100
 91 80.0 64.4 96.6
 206 22.5 18.9 28.3

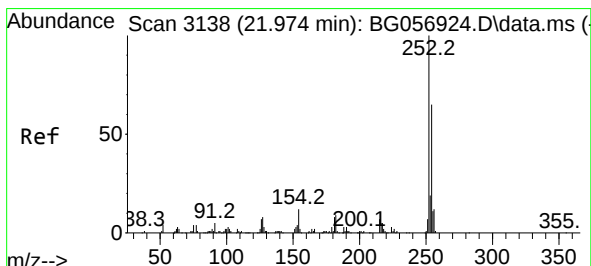
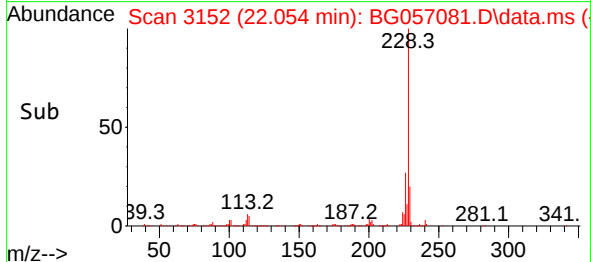
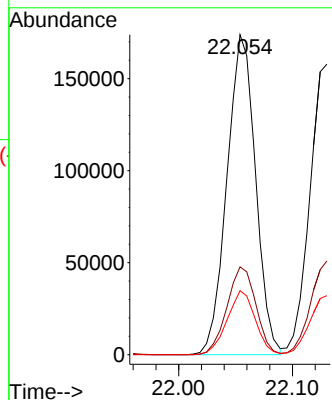
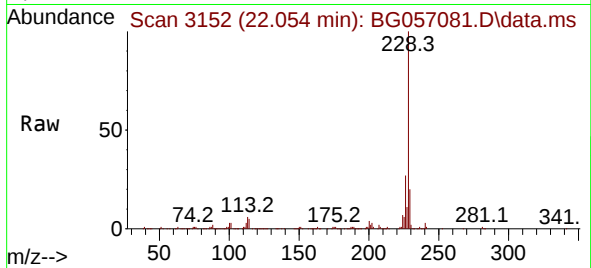




#81
Benzo(a)anthracene
Concen: 49.338 ng
RT: 22.054 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

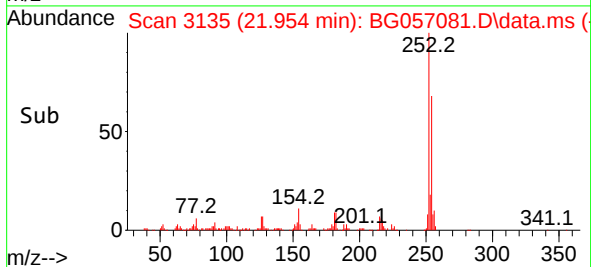
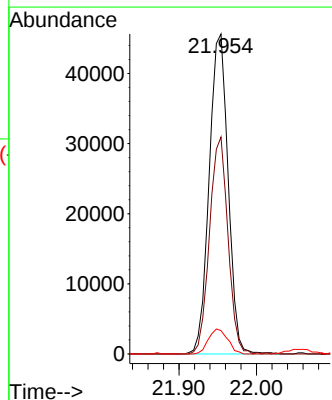
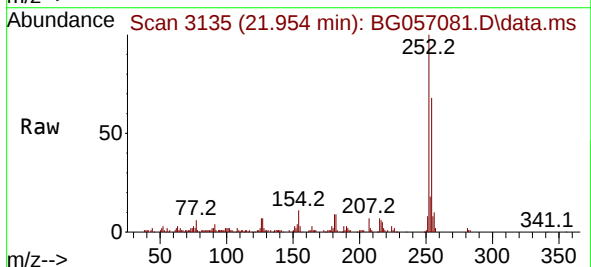
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

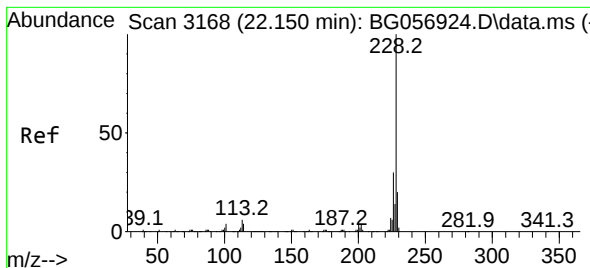
Tgt Ion:228 Resp: 303279
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 20.0 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 37.312 ng
RT: 21.954 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:252 Resp: 77449
Ion Ratio Lower Upper
252 100
254 67.8 51.7 77.5
126 7.3 5.6 8.4





#83

Chrysene

Concen: 47.561 ng

RT: 22.130 min Scan# 3165

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

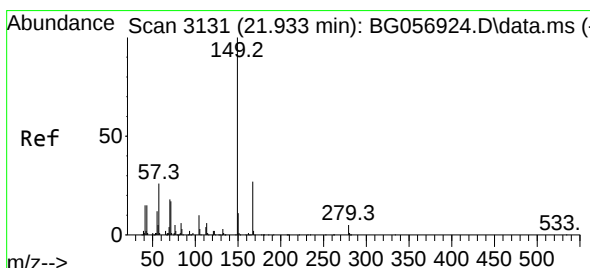
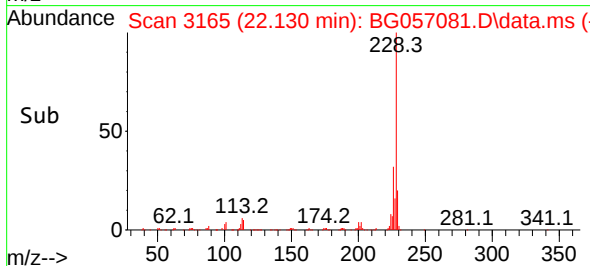
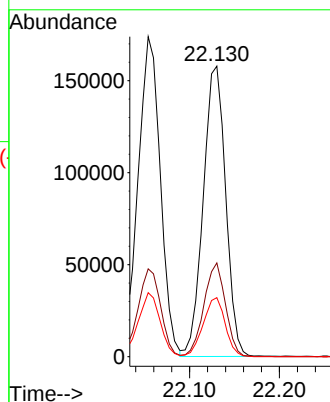
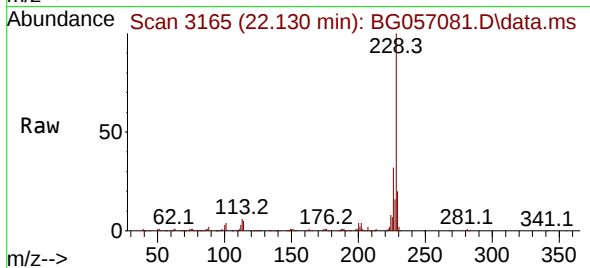
Tgt Ion:228 Resp: 273740

Ion Ratio Lower Upper

228 100

226 32.3 24.1 36.1

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.746 ng

RT: 21.907 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

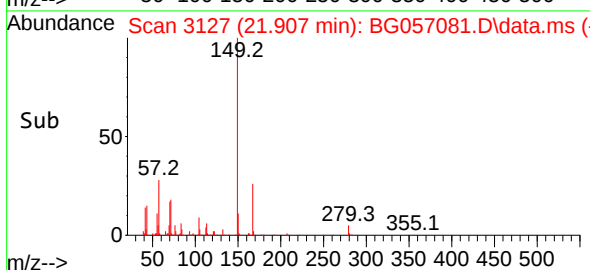
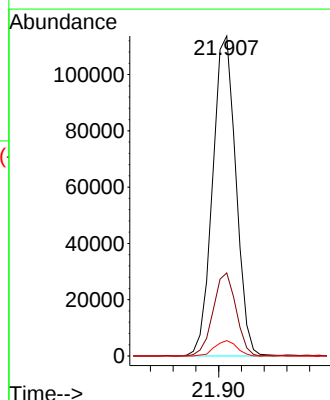
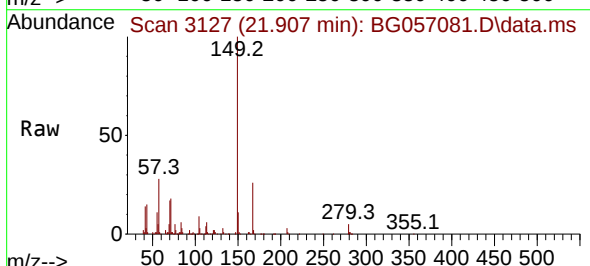
Tgt Ion:149 Resp: 161479

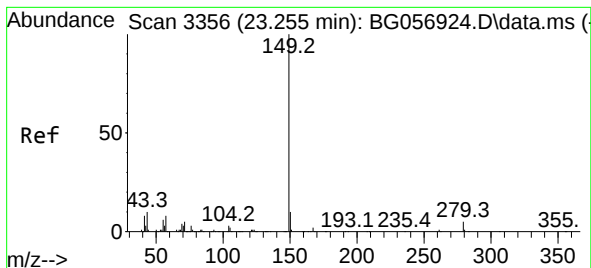
Ion Ratio Lower Upper

149 100

167 26.0 21.4 32.2

279 4.8 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 53.388 ng

RT: 23.217 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

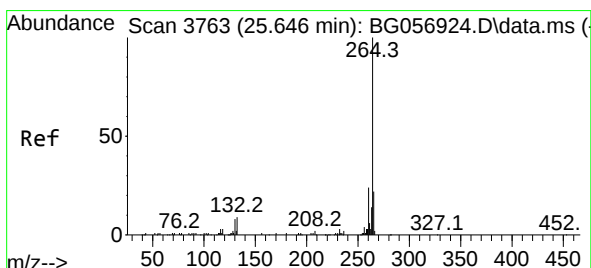
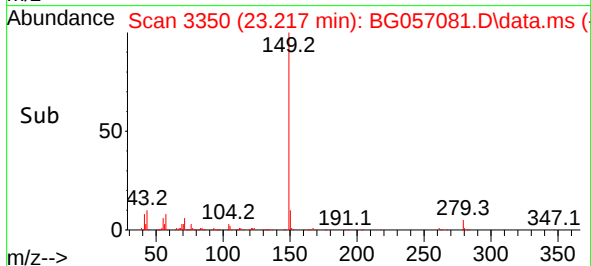
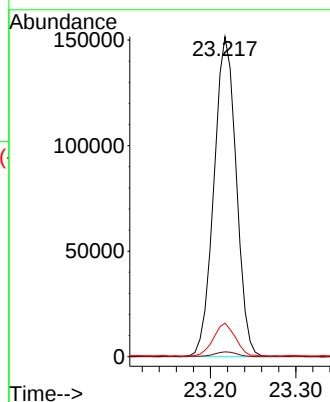
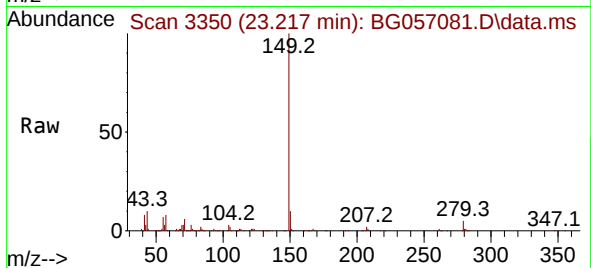
Tgt Ion:149 Resp: 275434

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.1 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.608 min Scan# 3757

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

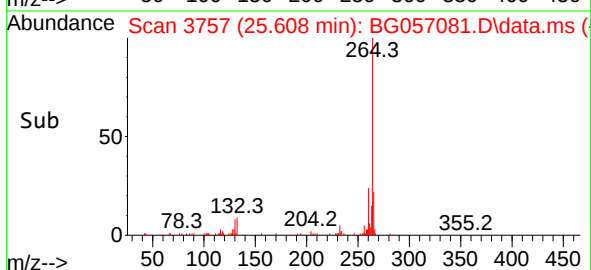
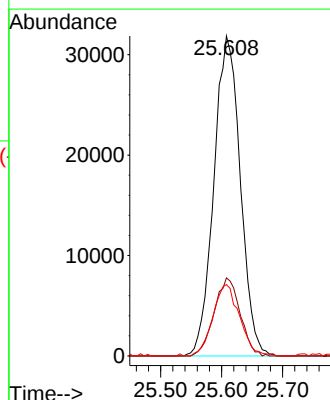
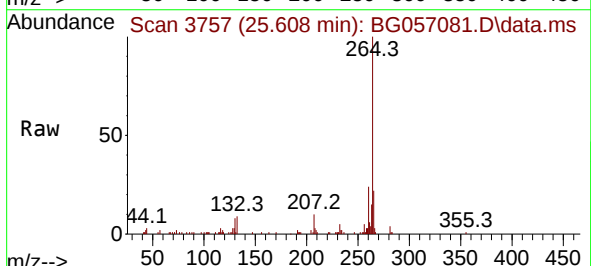
Tgt Ion:264 Resp: 96034

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 22.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.669 ng

RT: 29.697 min Scan# 44

Delta R.T. -0.015 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

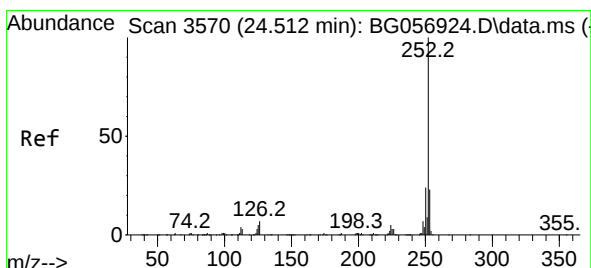
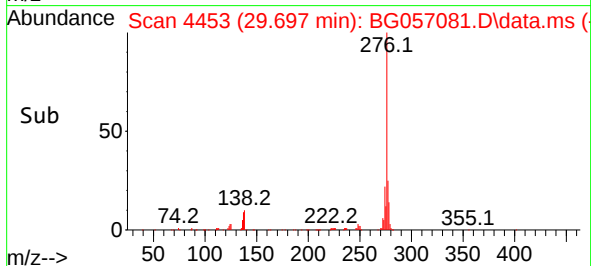
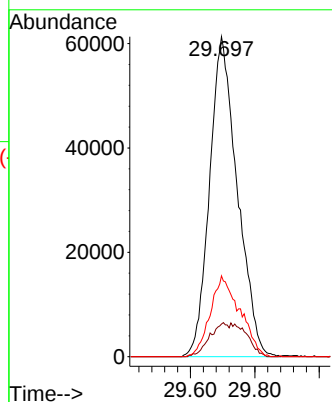
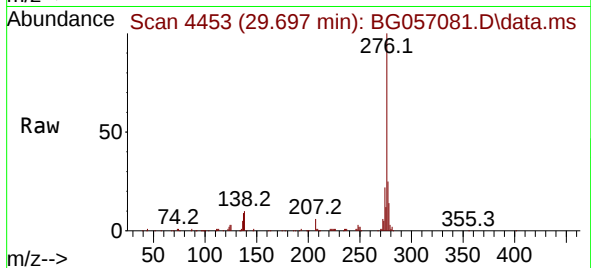
Tgt Ion:276 Resp: 366711

Ion Ratio Lower Upper

276 100

138 7.2 7.7 11.5#

277 26.9 21.0 31.4



#88

Benzo(b)fluoranthene

Concen: 51.640 ng

RT: 24.480 min Scan# 3565

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

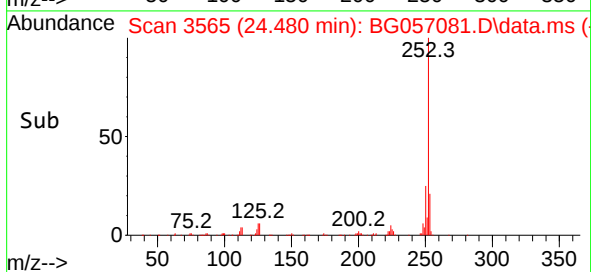
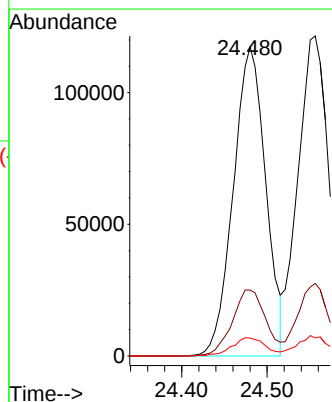
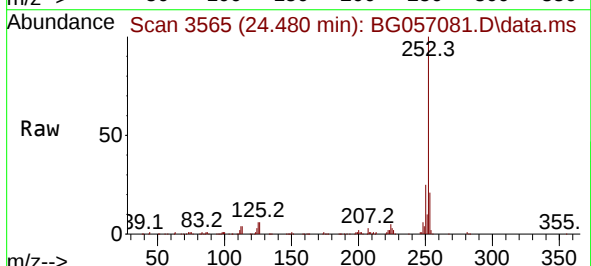
Tgt Ion:252 Resp: 310112

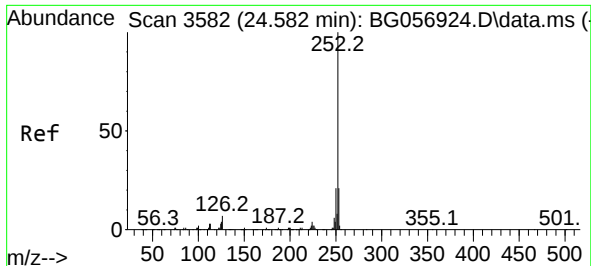
Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

125 5.8 4.2 6.4

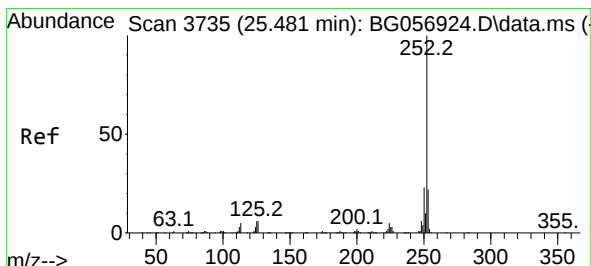
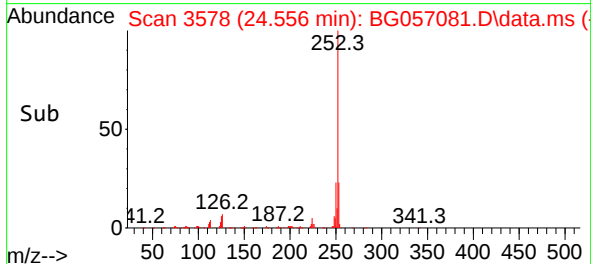
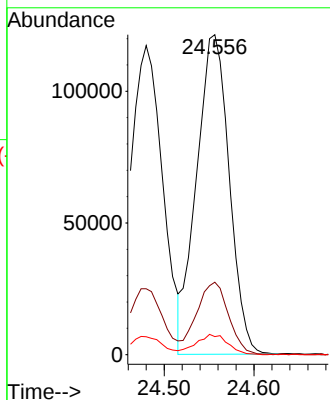
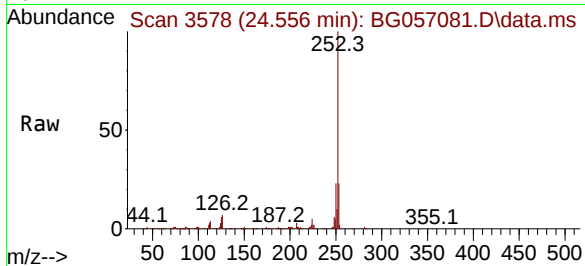




#89
Benzo(k)fluoranthene
Concen: 51.112 ng
RT: 24.556 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

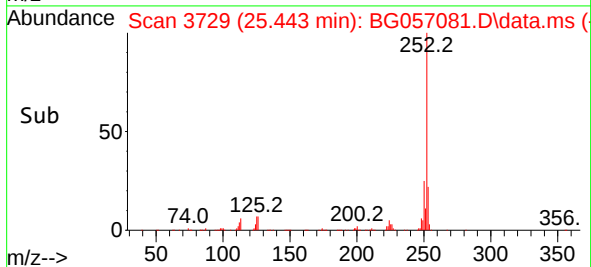
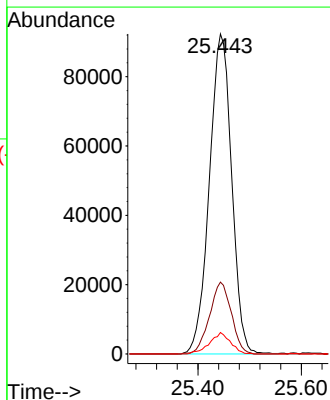
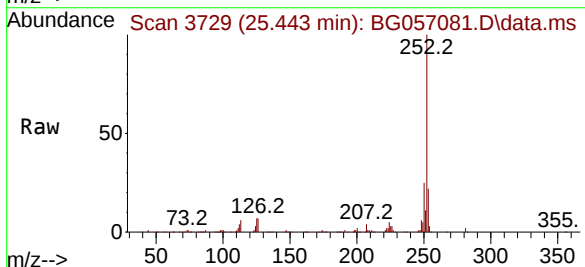
Instrument :
BNA_G
ClientSampleId :
IDW-SO-VB3-041123MSD

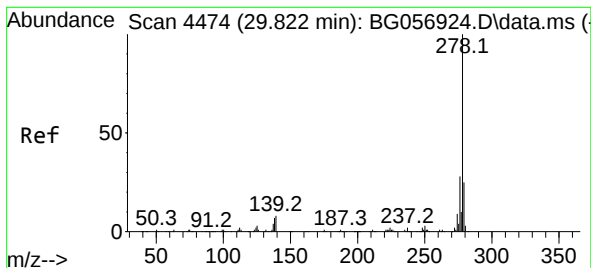
Tgt Ion:252 Resp: 306431
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 5.6 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 46.784 ng
RT: 25.443 min Scan# 3729
Delta R.T. -0.009 min
Lab File: BG057081.D
Acq: 13 Apr 2023 14:06

Tgt Ion:252 Resp: 276083
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 6.7 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 52.037 ng

RT: 29.767 min Scan# 4474

Delta R.T. 0.002 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Instrument :

BNA_G

ClientSampleId :

IDW-SO-VB3-041123MSD

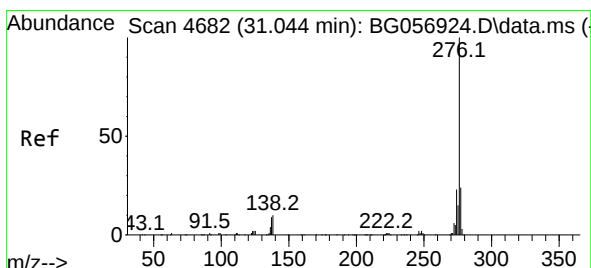
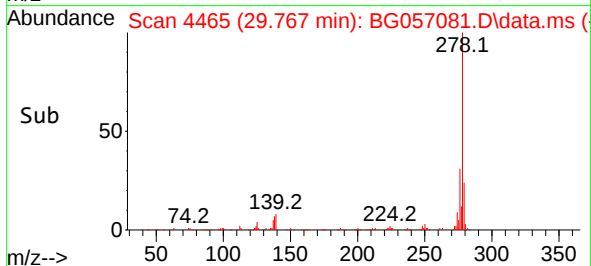
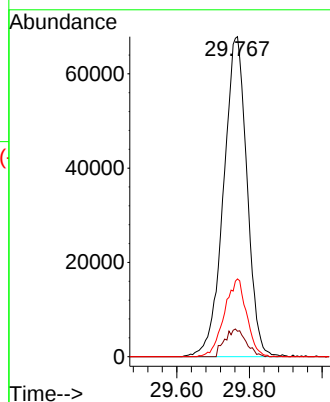
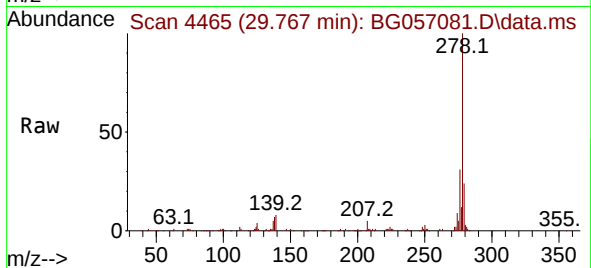
Tgt Ion:278 Resp: 303580

Ion Ratio Lower Upper

278 100

139 8.0 6.4 9.6

279 24.3 20.2 30.2



#92

Benzo(g,h,i)perylene

Concen: 50.778 ng

RT: 30.989 min Scan# 4673

Delta R.T. -0.004 min

Lab File: BG057081.D

Acq: 13 Apr 2023 14:06

Tgt Ion:276 Resp: 290072

Ion Ratio Lower Upper

276 100

277 22.8 19.1 28.7

138 11.8 8.2 12.2

