

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
 Data File : BG050607.D
 Acq On : 15 Oct 2021 17:26
 Operator : CG/JU
 Sample : M4195-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE MS

Quant Time: Oct 15 18:12:26 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	42733	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	178712	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	118344	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	257068	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	224458	20.000	ng	# 0.00
86) Perylene-d12	25.327	264	228426	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	381497	133.513	ng	0.00
7) Phenol-d6	7.401	99	489740	118.381	ng	0.00
23) Nitrobenzene-d5	9.428	82	387584	89.778	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	154411	136.793	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	691829	87.983	ng	0.00
79) Terphenyl-d14	20.204	244	1009291	87.630	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.670	88	56030	37.861	ng	# 26
3) Pyridine	4.081	79	107139	26.502	ng	94
4) n-Nitrosodimethylamine	3.982	42	86884	45.605	ng	# 51
6) Aniline	7.577	93	143197	29.792	ng	95
8) 2-Chlorophenol	7.818	128	147149	53.487	ng	89
9) Benzaldehyde	7.389	77	108619	41.877	ng	93
10) Phenol	7.430	94	185181	46.038	ng	86
11) bis(2-Chloroethyl)ether	7.665	93	150297	47.874	ng	87
12) 1,3-Dichlorobenzene	8.141	146	148663	46.811	ng	96
13) 1,4-Dichlorobenzene	8.294	146	152132	47.516	ng	97
14) 1,2-Dichlorobenzene	8.611	146	146839	48.016	ng	94
15) Benzyl Alcohol	8.494	79	170837	52.256	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.776	45	247231	48.287	ng	86
17) 2-Methylphenol	8.688	107	137381	51.908	ng	94
18) Hexachloroethane	9.352	117	59559	49.151	ng	91
19) n-Nitroso-di-n-propyla...	9.064	70	144136	47.801	ng	# 88
20) 3+4-Methylphenols	9.017	107	183825	49.345	ng	95
22) Acetophenone	9.081	105	238181	46.879	ng	# 98
24) Nitrobenzene	9.475	77	206438	48.091	ng	97
25) Isophorone	9.992	82	370442	48.377	ng	# 96
26) 2-Nitrophenol	10.186	139	83654	53.073	ng	# 91
27) 2,4-Dimethylphenol	10.233	122	154092	56.585	ng	90
28) bis(2-Chloroethoxy)met...	10.468	93	206961	47.269	ng	93
29) 2,4-Dichlorophenol	10.721	162	146306	52.712	ng	95
30) 1,2,4-Trichlorobenzene	10.938	180	144122	45.711	ng	99
31) Naphthalene	11.132	128	602748	63.010	ng	98
32) Benzoic acid	10.304	122	4899	2.424	ng	92
33) 4-Chloroaniline	11.238	127	37801	9.418	ng	92
34) Hexachlorobutadiene	11.402	225	90979	45.963	ng	97
35) Caprolactam	12.013	113	30820	29.013	ng	# 65
36) 4-Chloro-3-methylphenol	12.336	107	174496	50.298	ng	# 91
37) 2-Methylnaphthalene	12.718	142	358625	54.335	ng	93
38) 1-Methylnaphthalene	12.936	142	337266	52.696	ng	93
40) 1,2,4,5-Tetrachloroben...	13.077	216	161125	46.105	ng	97
41) Hexachlorocyclopentadiene	13.053	237	198735	98.396	ng	93
43) 2,4,6-Trichlorophenol	13.312	196	120455	48.913	ng	93

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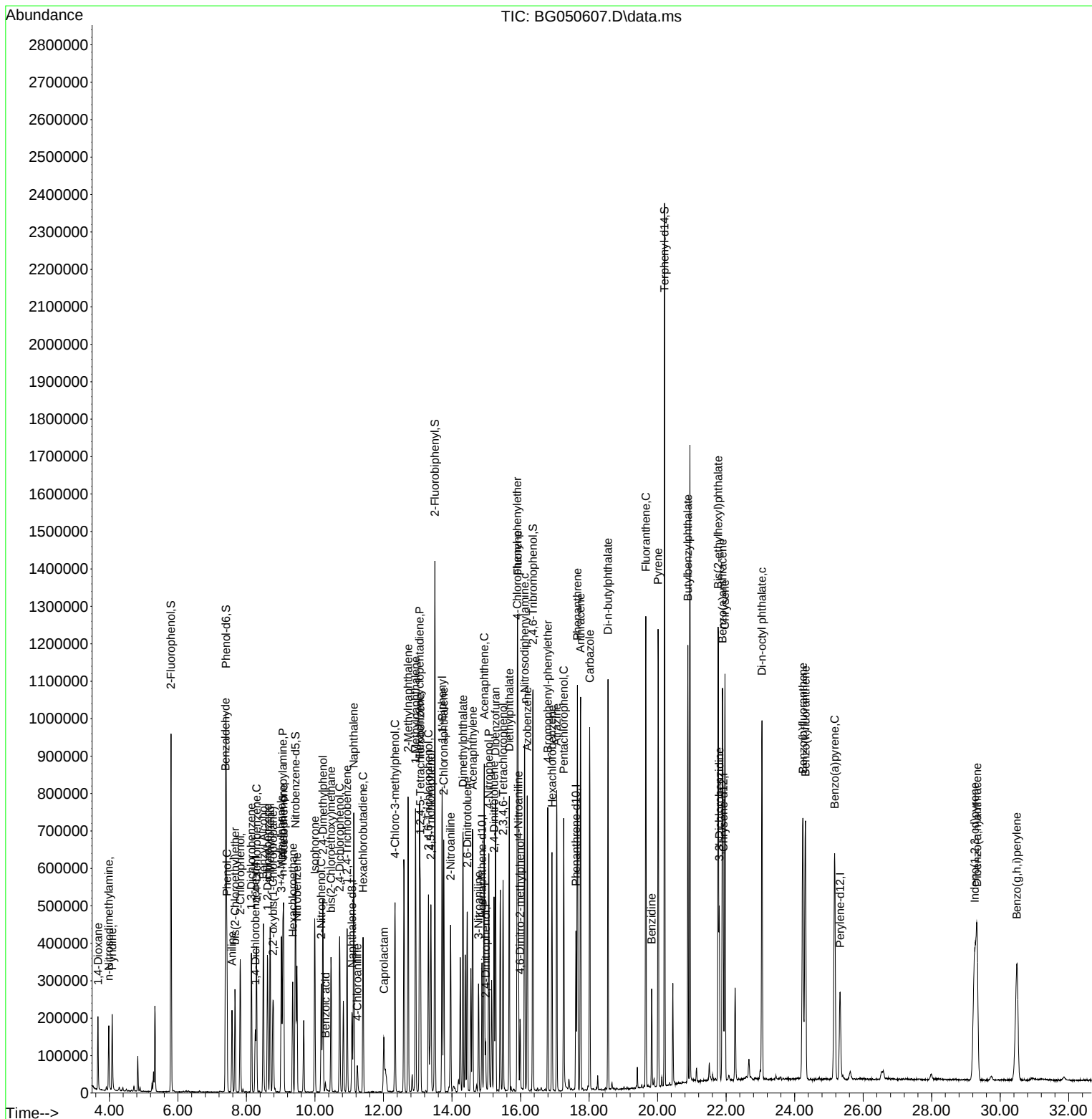
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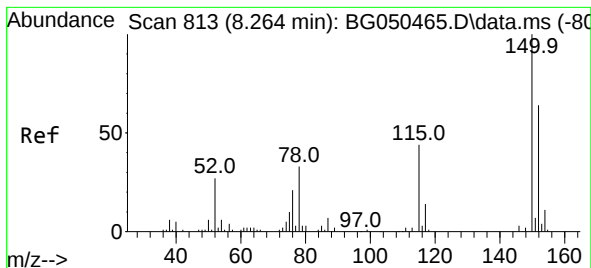
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.382	196	127136	49.379	ng	89
46) 1,1'-Biphenyl	13.711	154	395833	45.856	ng	94
47) 2-Chloronaphthalene	13.758	162	311266	46.961	ng	98
48) 2-Nitroaniline	13.958	65	137363	52.097	ng	96
49) Acenaphthylene	14.604	152	512869	47.224	ng	97
50) Dimethylphthalate	14.322	163	442916	49.514	ng	100
51) 2,6-Dinitrotoluene	14.446	165	92015	51.357	ng	92
52) Acenaphthene	14.939	154	328544	47.077	ng	92
53) 3-Nitroaniline	14.775	138	65070	30.703	ng	86
54) 2,4-Dinitrophenol	14.980	184	27923	25.122	ng	89
55) Dibenzofuran	15.268	168	494828	45.845	ng	98
56) 4-Nitrophenol	15.074	139	148701	87.226	ng	# 83
57) 2,4-Dinitrotoluene	15.227	165	130684	51.748	ng	94
58) Fluorene	15.915	166	399774	48.221	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.492	232	106261	47.379	ng	93
60) Diethylphthalate	15.674	149	443527	47.190	ng	97
61) 4-Chlorophenyl-phenyle...	15.903	204	209525	46.189	ng	97
62) 4-Nitroaniline	15.938	138	101289	45.937	ng	# 71
63) Azobenzene	16.197	77	497801	45.755	ng	83
65) 4,6-Dinitro-2-methylph...	15.985	198	39807	25.781	ng	86
66) n-Nitrosodiphenylamine	16.120	169	357349	48.923	ng	97
67) 4-Bromophenyl-phenylether	16.796	248	123066	47.508	ng	99
68) Hexachlorobenzene	16.919	284	124883	48.506	ng	# 92
69) Atrazine	17.054	200	145284	50.492	ng	98
70) Pentachlorophenol	17.260	266	122447	69.864	ng	98
71) Phenanthrene	17.660	178	664952	49.087	ng	98
72) Anthracene	17.754	178	656519	48.771	ng	98
73) Carbazole	18.018	167	614584	45.809	ng	98
74) Di-n-butylphthalate	18.553	149	752756	47.810	ng	97
75) Fluoranthene	19.657	202	760302	45.658	ng	96
77) Benzidine	19.828	184	146930	20.197	ng	99
78) Pyrene	20.016	202	768474	48.255	ng	97
80) Butylbenzylphthalate	20.885	149	336617	49.972	ng	95
81) Benzo(a)anthracene	21.896	228	699128	47.073	ng	99
82) 3,3'-Dichlorobenzidine	21.802	252	159537	32.412	ng	# 96
83) Chrysene	21.966	228	671619	48.074	ng	96
84) Bis(2-ethylhexyl)phtha...	21.772	149	487816	50.967	ng	# 96
85) Di-n-octyl phthalate	23.047	149	830312	52.013	ng	96
87) Indeno(1,2,3-cd)pyrene	29.258	276	773803	48.636	ng	# 88
88) Benzo(b)fluoranthene	24.240	252	718467	51.358	ng	# 94
89) Benzo(k)fluoranthene	24.317	252	669356	48.636	ng	# 97
90) Benzo(a)pyrene	25.169	252	684765	57.571	ng	# 94
91) Dibenzo(a,h)anthracene	29.328	278	653289	49.644	ng	# 94
92) Benzo(g,h,i)perylene	30.486	276	647861	50.267	ng	# 91

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

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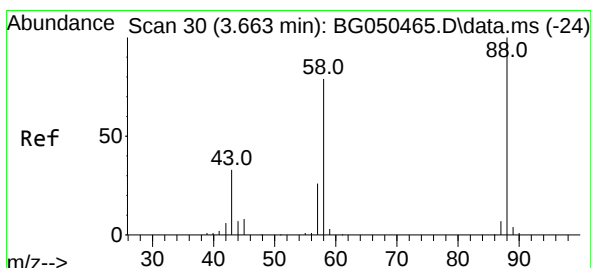
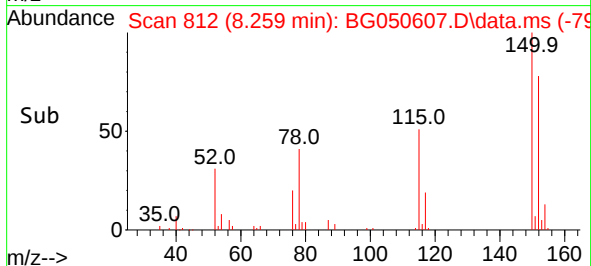
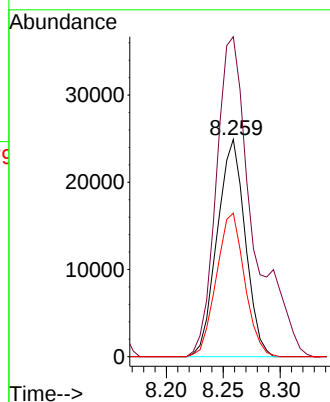
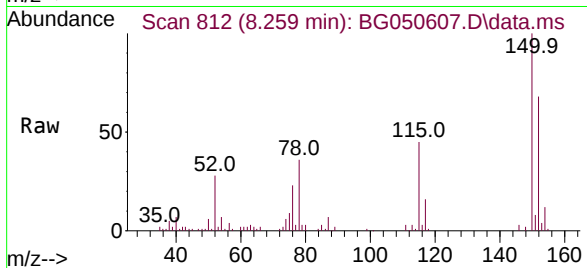




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

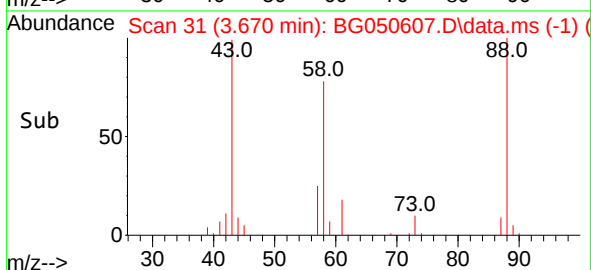
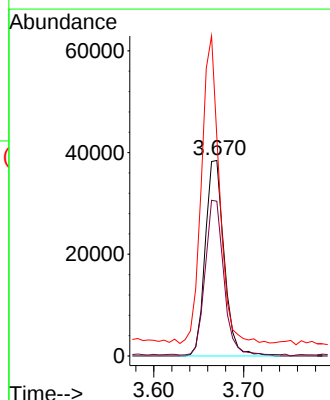
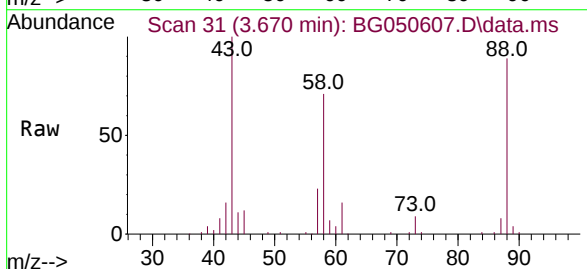
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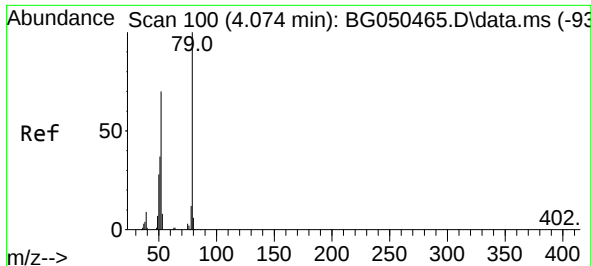
Tgt Ion:152 Resp: 42733
Ion Ratio Lower Upper
152 100
150 147.3 119.4 179.0
115 66.1 60.2 90.4



#2
1,4-Dioxane
Concen: 37.861 ng
RT: 3.670 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 88 Resp: 56030
Ion Ratio Lower Upper
88 100
58 80.4 55.7 83.5
43 148.8 29.3 43.9#

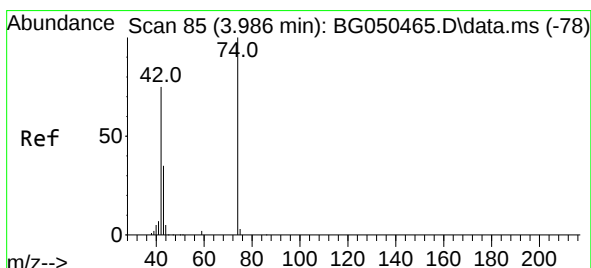
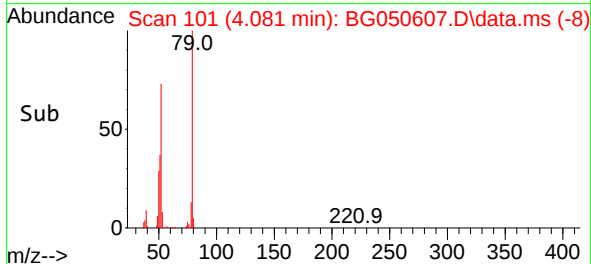
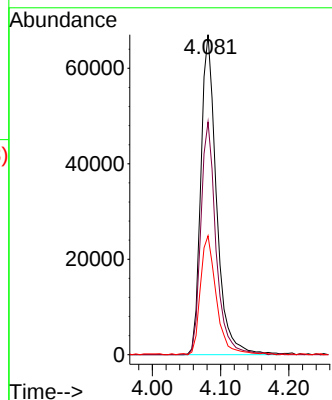
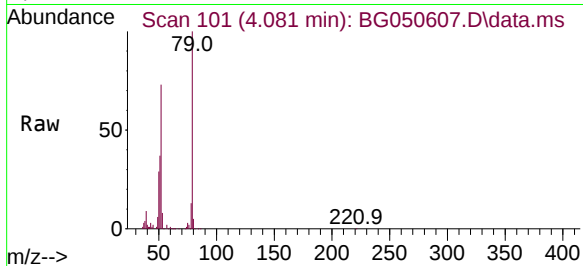




#3
Pyridine
Concen: 26.502 ng
RT: 4.081 min Scan# 101
Delta R.T. 0.018 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

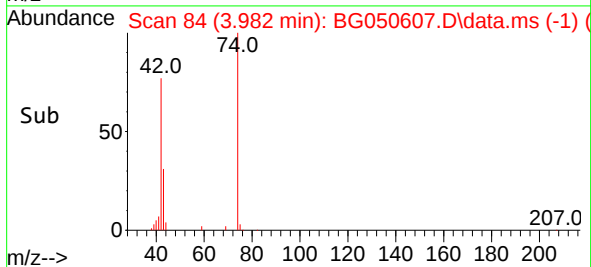
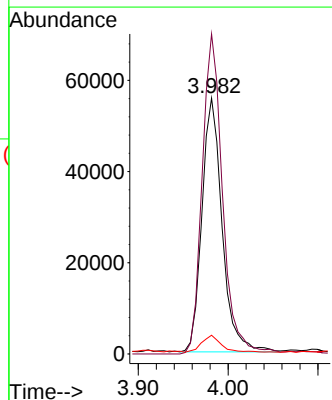
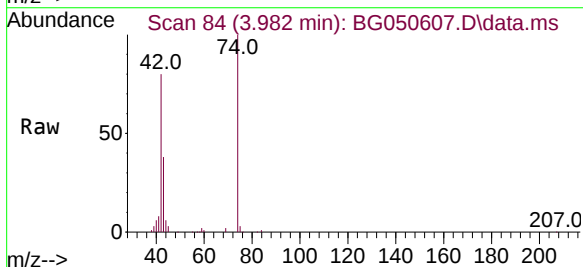
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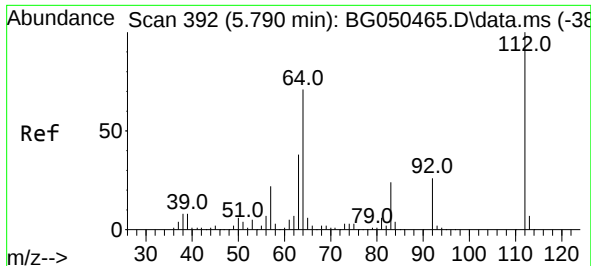
Tgt Ion: 79 Resp: 107139
Ion Ratio Lower Upper
79 100
52 72.8 58.4 87.6
51 37.2 37.0 55.6



#4
n-Nitrosodimethylamine
Concen: 45.605 ng
RT: 3.982 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 42 Resp: 86884
Ion Ratio Lower Upper
42 100
74 125.1 64.0 96.0#
44 7.3 2.7 4.1#

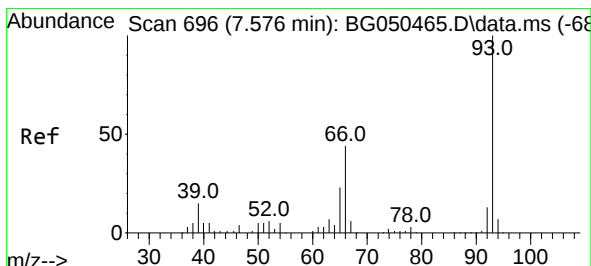
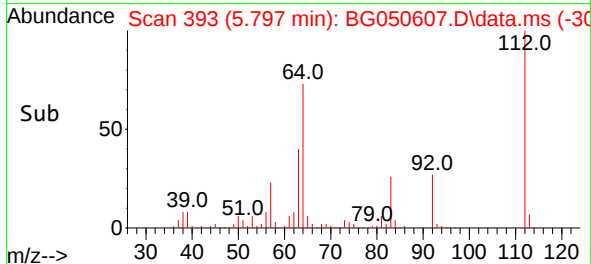
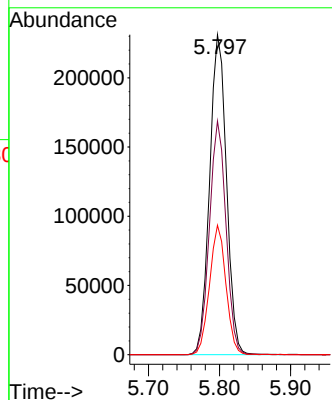
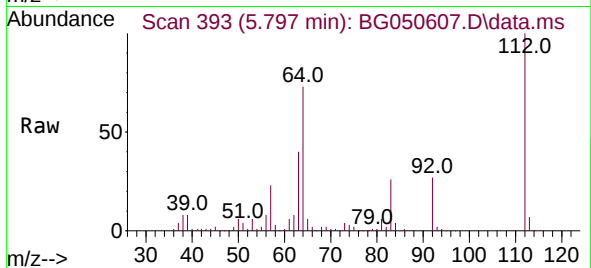




#5
2-Fluorophenol
Concen: 133.513 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

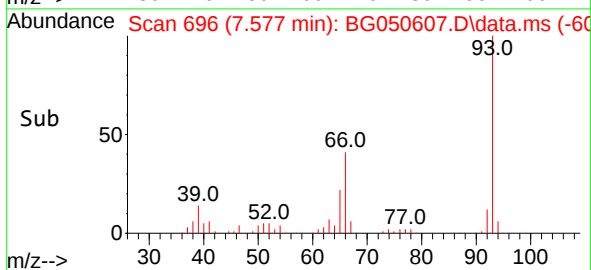
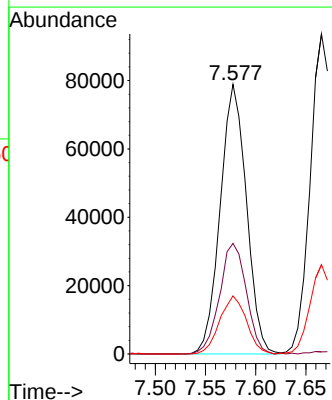
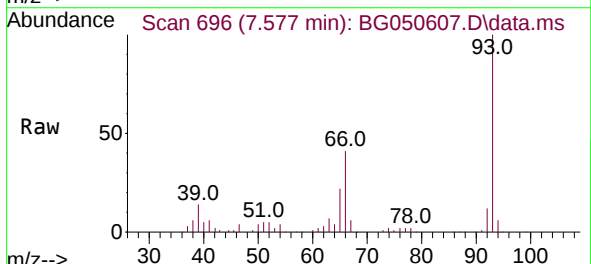
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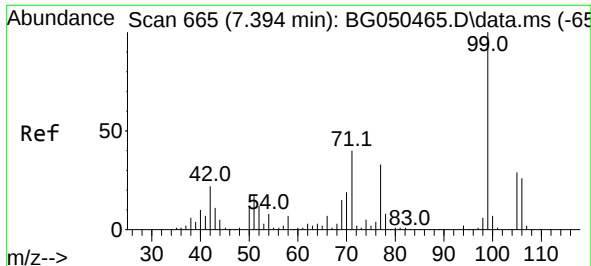
Tgt Ion:112 Resp: 381497
Ion Ratio Lower Upper
112 100
64 73.0 46.7 70.1#
63 40.4 35.3 52.9



#6
Aniline
Concen: 29.792 ng
RT: 7.577 min Scan# 696
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 93 Resp: 143197
Ion Ratio Lower Upper
93 100
66 41.0 30.6 45.8
65 21.6 15.0 22.4

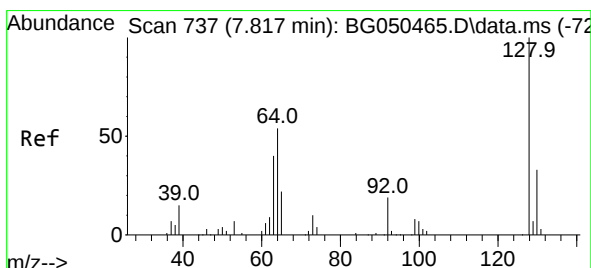
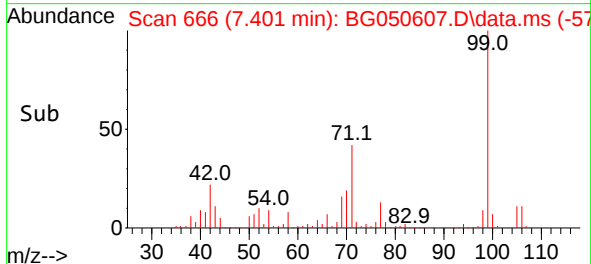
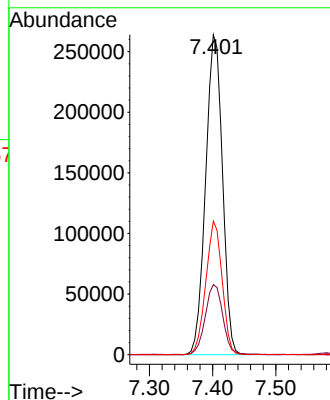
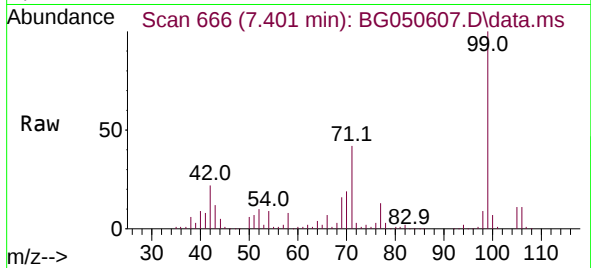




#7
Phenol-d6
Concen: 118.381 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

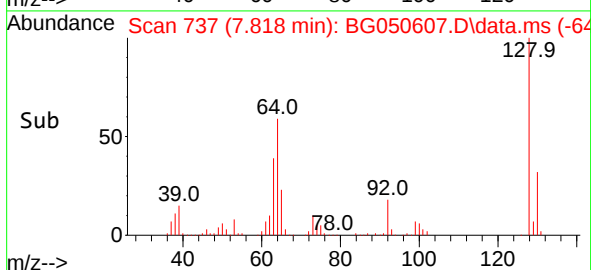
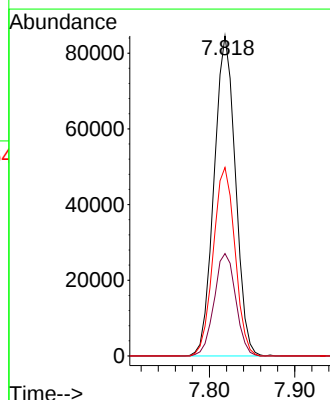
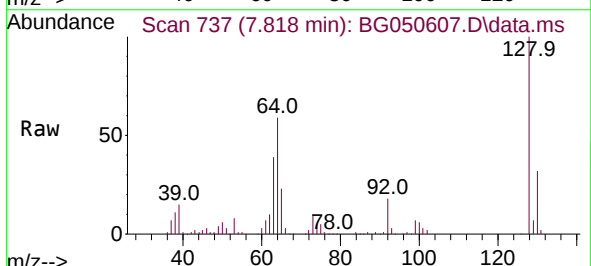
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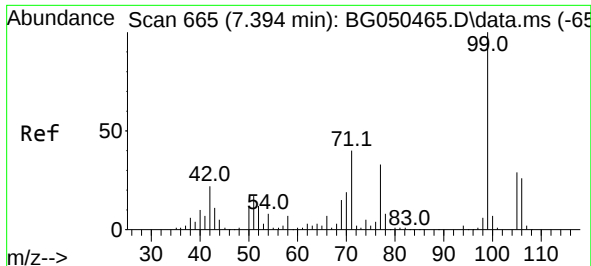
Tgt Ion: 99 Resp: 489740
Ion Ratio Lower Upper
99 100
42 21.9 20.5 30.7
71 41.7 41.5 62.3



#8
2-Chlorophenol
Concen: 53.487 ng
RT: 7.818 min Scan# 737
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 128 Resp: 147149
Ion Ratio Lower Upper
128 100
130 32.0 10.0 50.0
64 58.9 28.1 68.1

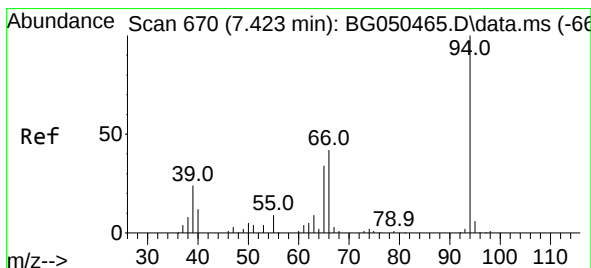
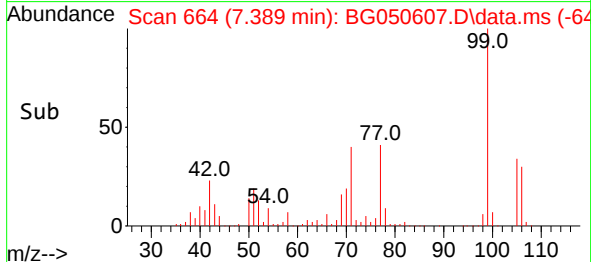
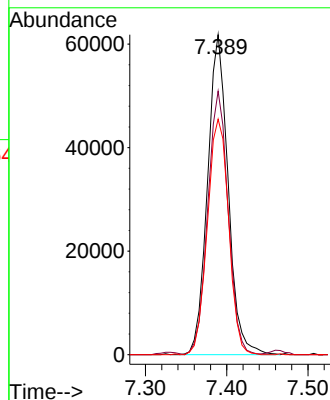
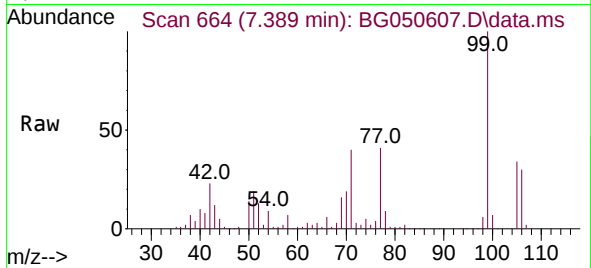




#9
Benzaldehyde
Concen: 41.877 ng
RT: 7.389 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

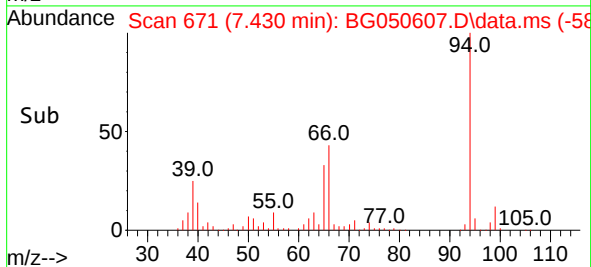
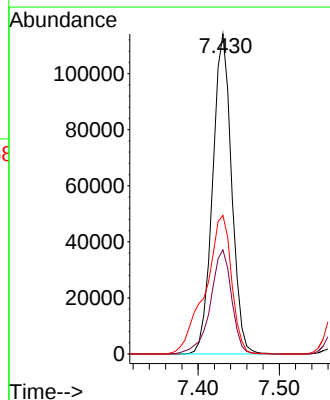
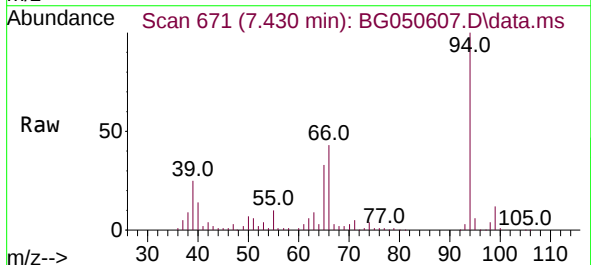
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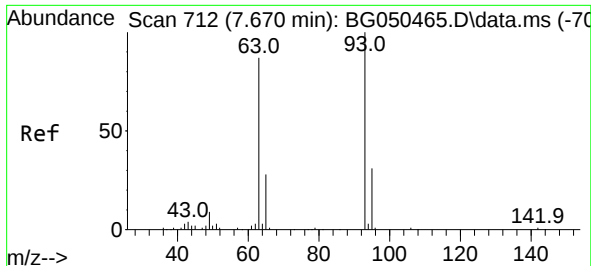
Tgt Ion: 77 Resp: 108619
Ion Ratio Lower Upper
77 100
105 82.4 68.8 108.8
106 73.6 47.9 87.9



#10
Phenol
Concen: 46.038 ng
RT: 7.430 min Scan# 671
Delta R.T. 0.006 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 94 Resp: 185181
Ion Ratio Lower Upper
94 100
65 32.6 12.9 52.9
66 43.3 39.4 79.4

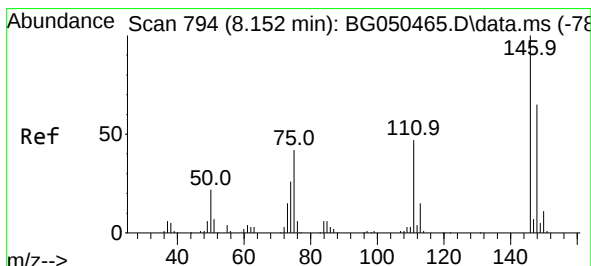
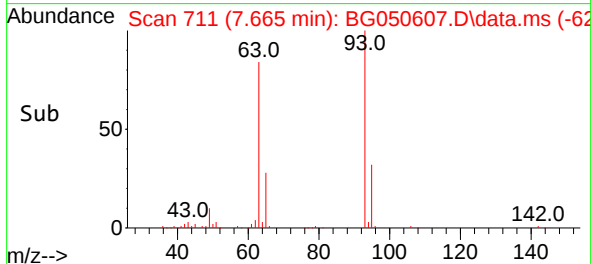
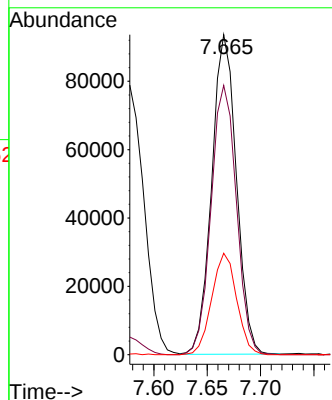
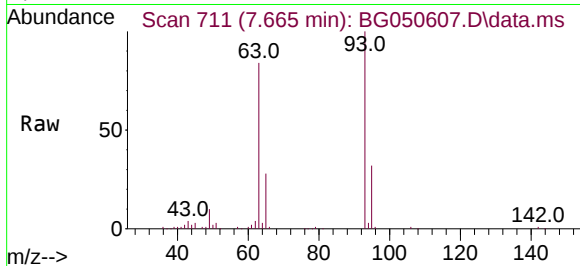




#11
bis(2-Chloroethyl)ether
Concen: 47.874 ng
RT: 7.665 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

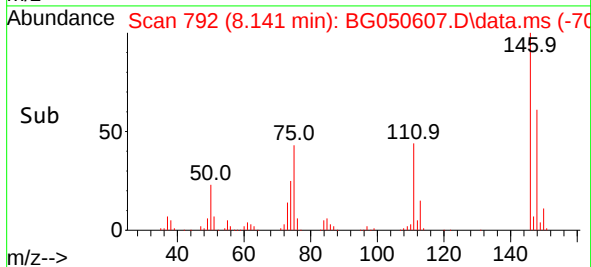
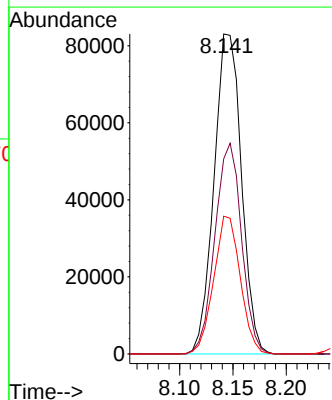
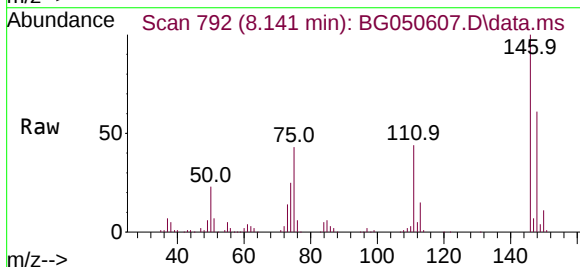
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

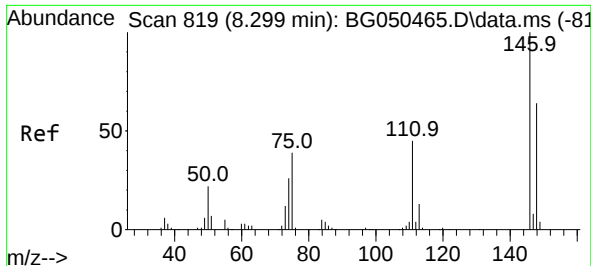
Tgt Ion: 93 Resp: 150297
Ion Ratio Lower Upper
93 100
63 84.1 50.4 90.4
95 31.7 15.3 55.3



#12
1,3-Dichlorobenzene
Concen: 46.811 ng
RT: 8.141 min Scan# 792
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 146 Resp: 148663
Ion Ratio Lower Upper
146 100
148 61.0 52.6 78.8
75 43.0 35.7 53.5





#13

1,4-Dichlorobenzene

Concen: 47.516 ng

RT: 8.294 min Scan# 818

Delta R.T. 0.001 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

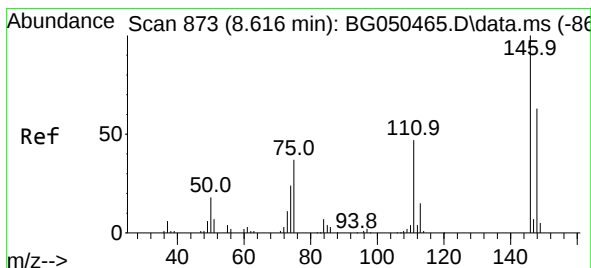
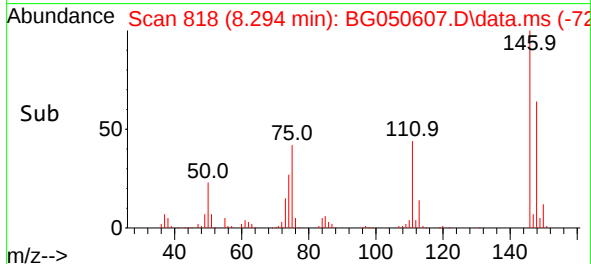
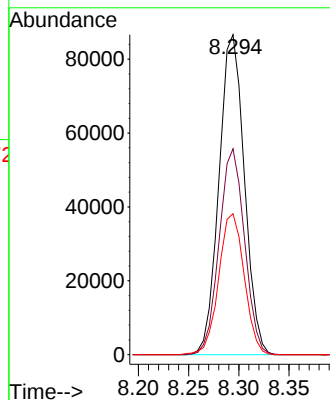
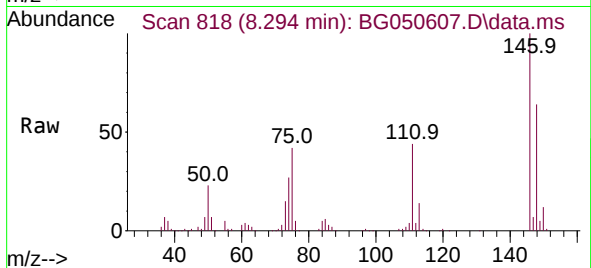
Tgt Ion:146 Resp: 152132

Ion Ratio Lower Upper

146 100

148 64.3 54.0 81.0

111 44.1 34.3 51.5



#14

1,2-Dichlorobenzene

Concen: 48.016 ng

RT: 8.611 min Scan# 872

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

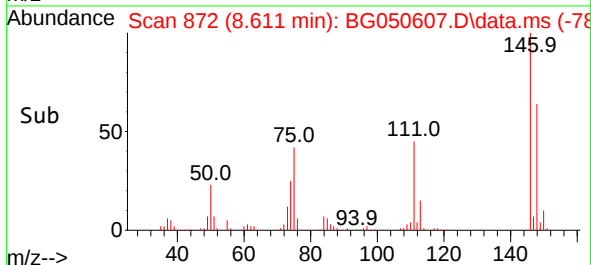
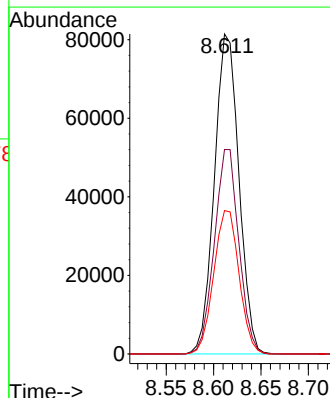
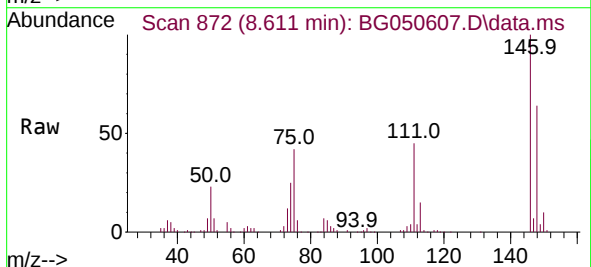
Tgt Ion:146 Resp: 146839

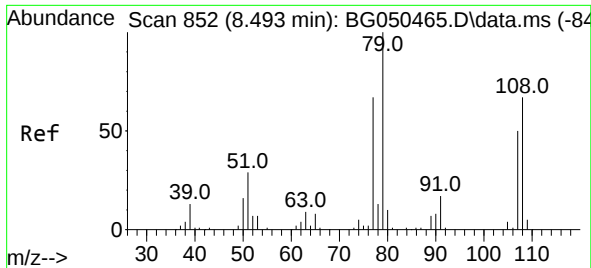
Ion Ratio Lower Upper

146 100

148 63.9 47.5 71.3

111 44.8 39.1 58.7

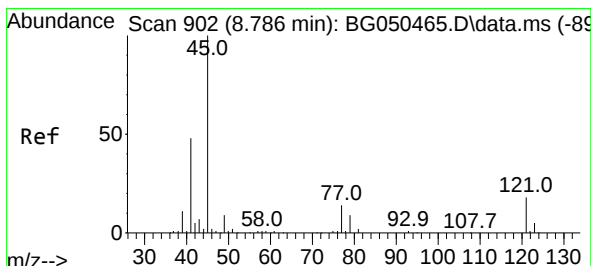
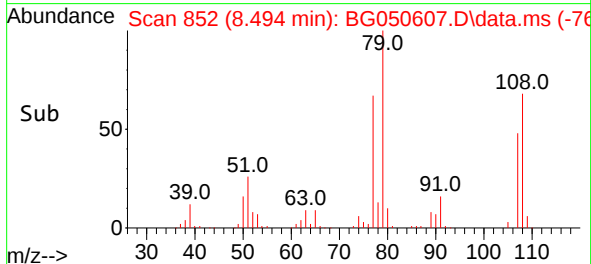
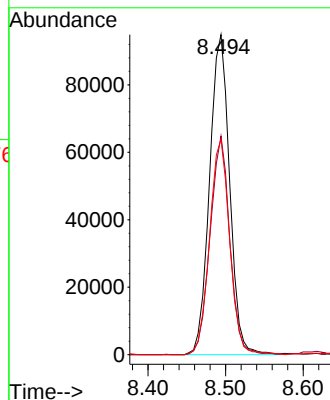
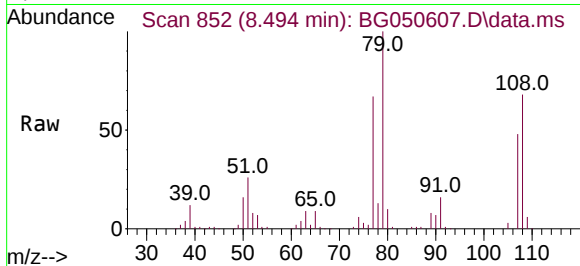




#15
Benzyl Alcohol
Concen: 52.256 ng
RT: 8.494 min Scan# 852
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

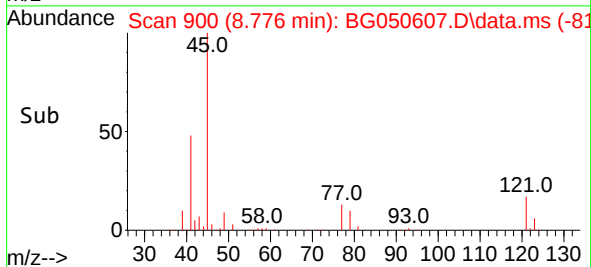
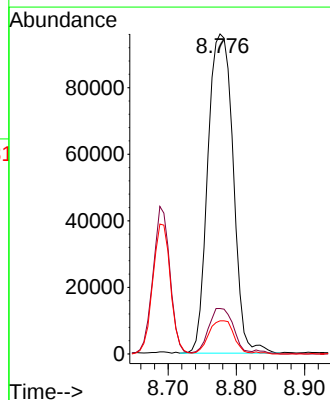
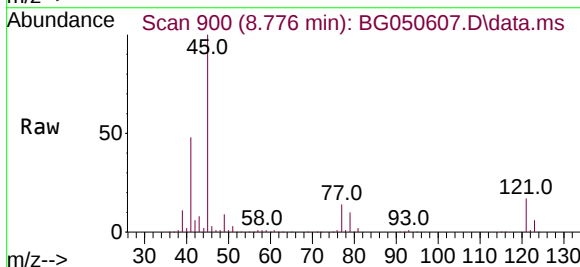
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

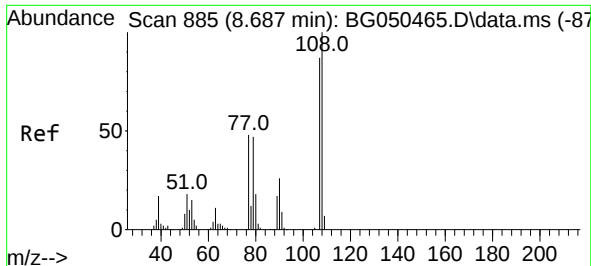
Tgt Ion:	79	Resp:	170837
Ion Ratio	Lower	Upper	
79	100		
108	68.3	48.2	72.4
77	67.3	57.3	85.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.287 ng
RT: 8.776 min Scan# 900
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

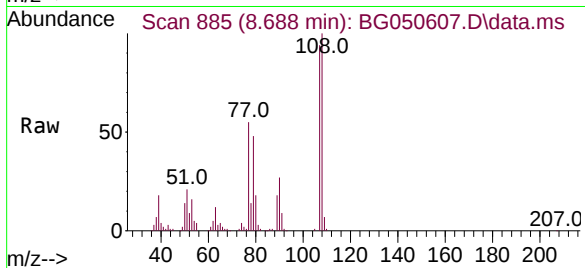
Tgt Ion:	45	Resp:	247231
Ion Ratio	Lower	Upper	
45	100		
77	14.2	2.2	42.2
79	10.3	0.0	34.3



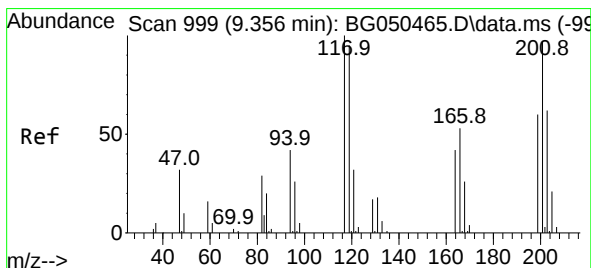
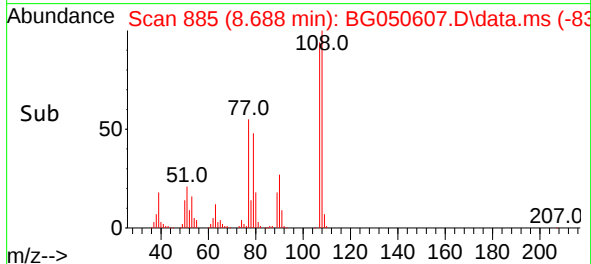
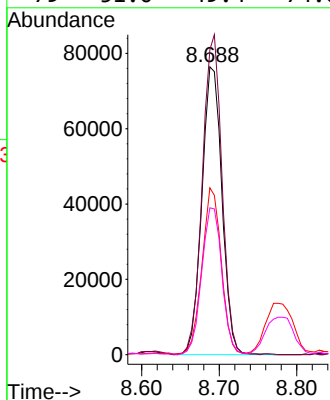


#17
2-Methylphenol
Concen: 51.908 ng
RT: 8.688 min Scan# 885
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

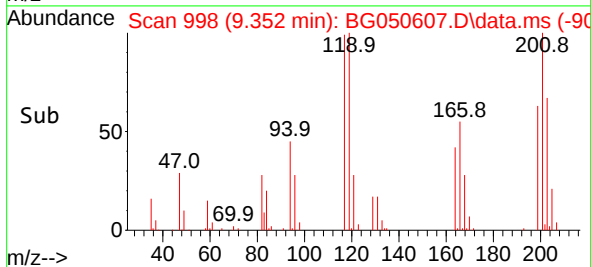
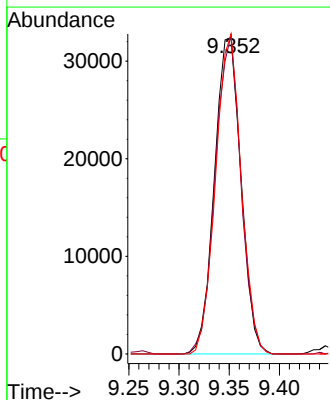
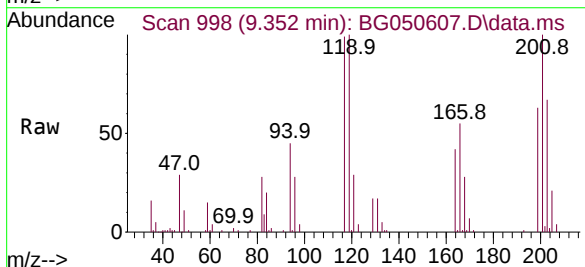


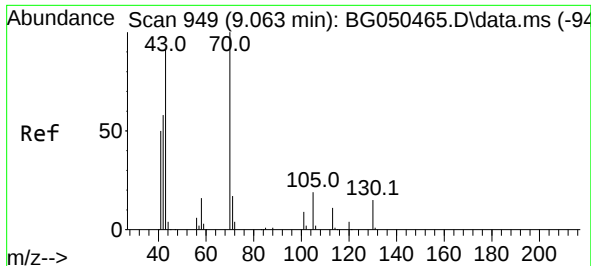
Tgt Ion:	107	Resp:	137381
Ion	Ratio	Lower	Upper
107	100		
108	106.0	84.6	127.0
77	58.0	50.7	76.1
79	51.0	49.4	74.0



#18
Hexachloroethane
Concen: 49.151 ng
RT: 9.352 min Scan# 998
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:	117	Resp:	59559
Ion	Ratio	Lower	Upper
117	100		
119	100.7	74.4	111.6
201	101.1	88.6	133.0

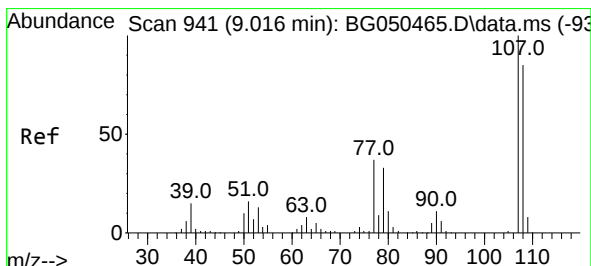
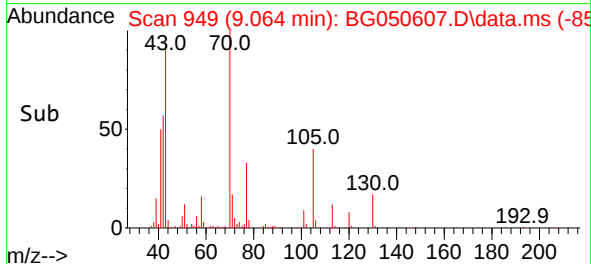
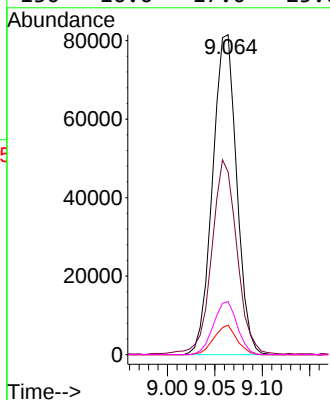
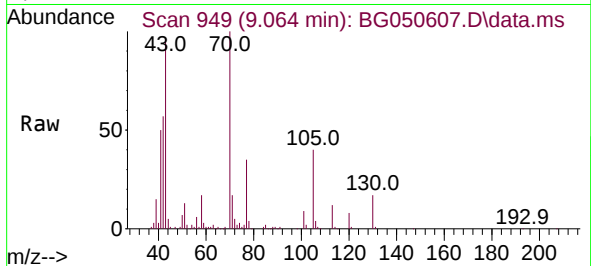




#19
n-Nitroso-di-n-propylamine
Concen: 47.801 ng
RT: 9.064 min Scan# 949
Delta R.T. 0.006 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

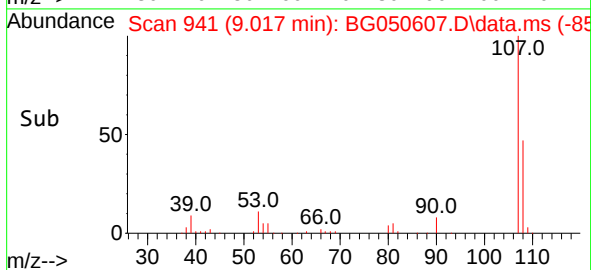
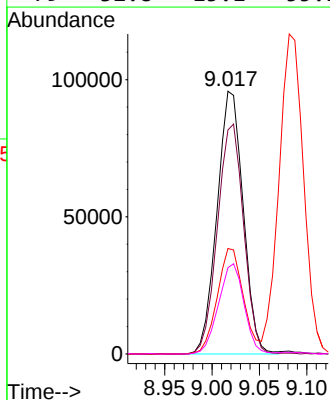
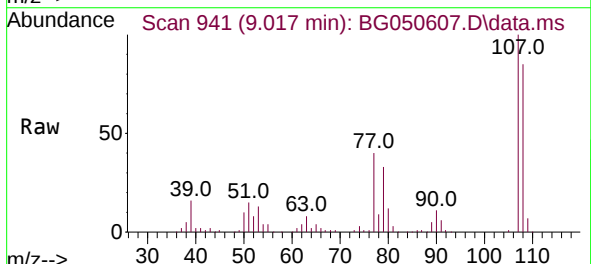
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

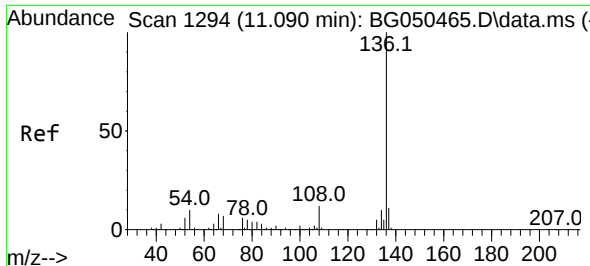
Tgt Ion: 70 Resp: 144136
Ion Ratio Lower Upper
70 100
42 57.1 54.5 81.7
101 9.2 9.0 13.6
130 16.6 17.0 25.6#



#20
3+4-Methylphenols
Concen: 49.345 ng
RT: 9.017 min Scan# 941
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

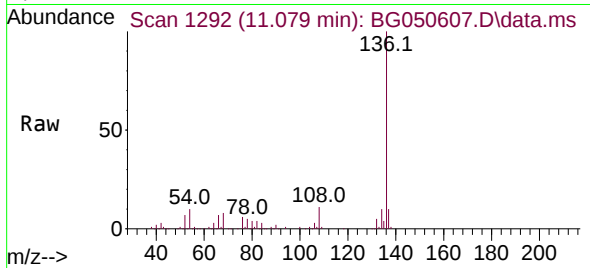
Tgt Ion: 107 Resp: 183825
Ion Ratio Lower Upper
107 100
108 85.3 69.3 109.3
77 40.1 25.2 65.2
79 32.8 15.1 55.1



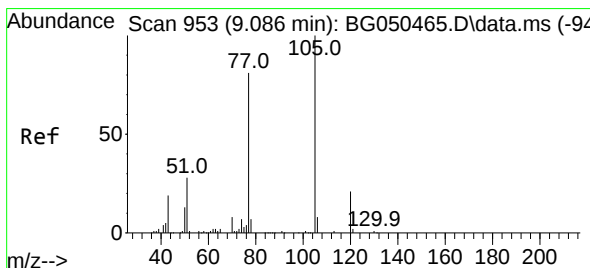
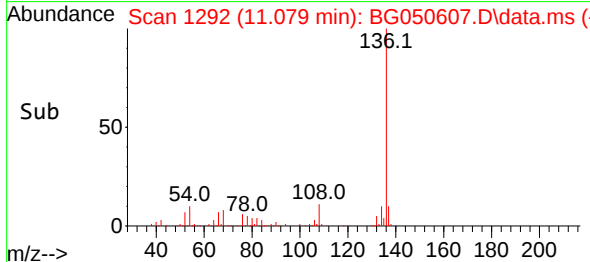
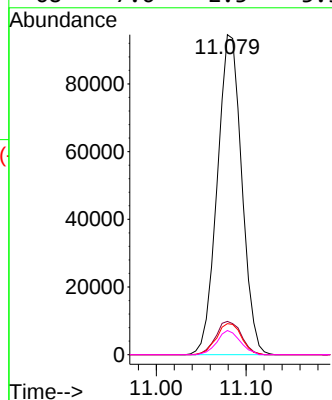


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1292
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

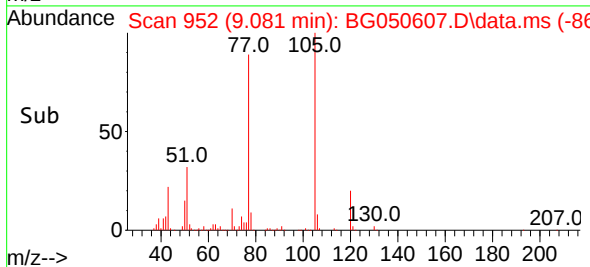
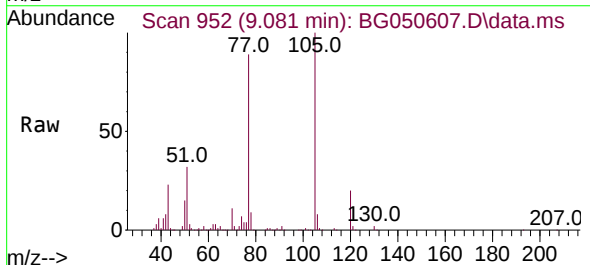
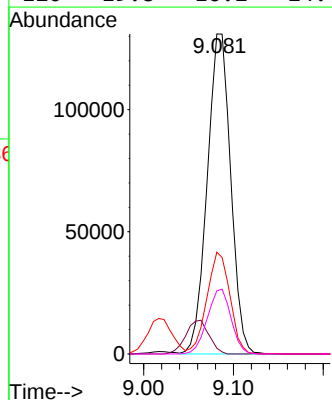


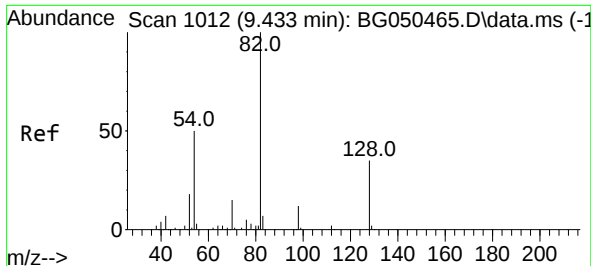
Tgt Ion:	136	Resp:	178712
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.2
54	9.7	5.5	8.3#
68	7.6	2.3	3.5#



#22
Acetophenone
Concen: 46.879 ng
RT: 9.081 min Scan# 952
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:	105	Resp:	238181
Ion Ratio	Lower	Upper	
105	100		
71	1.8	0.6	0.8#
51	31.8	26.6	40.0
120	19.8	16.2	24.4

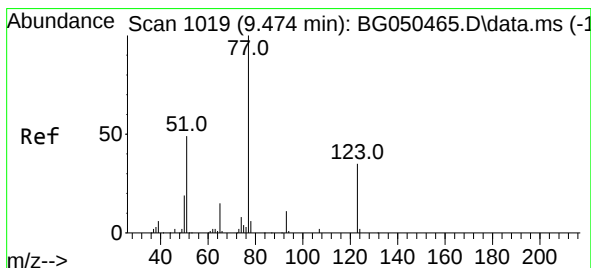
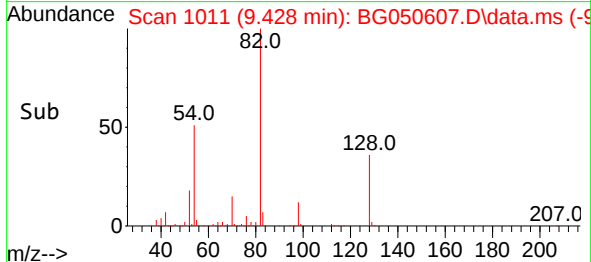
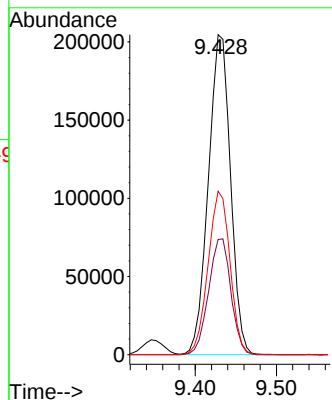
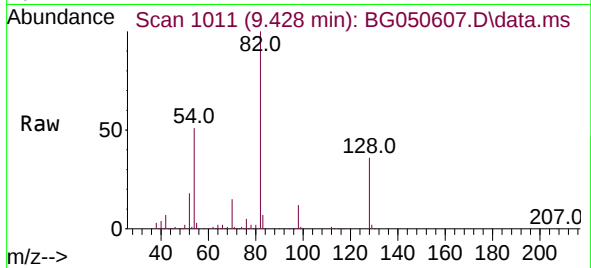




#23
Nitrobenzene-d5
Concen: 89.778 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

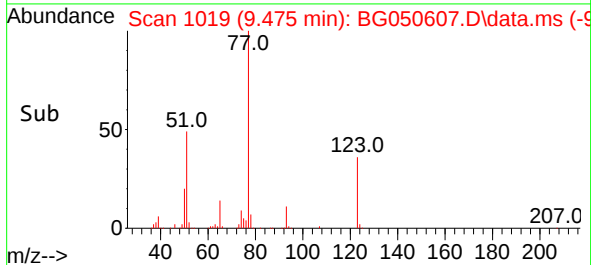
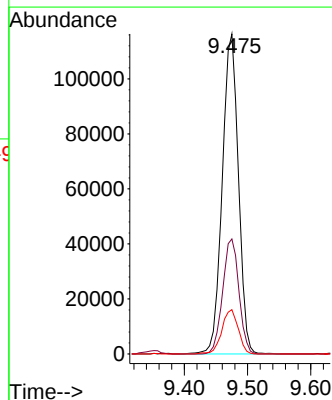
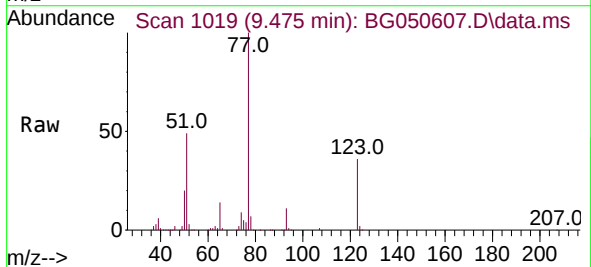
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

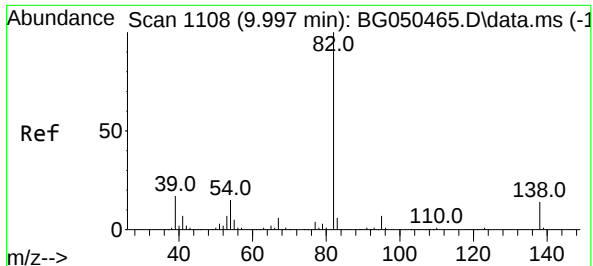
Tgt Ion: 82 Resp: 387584
Ion Ratio Lower Upper
82 100
128 36.0 29.8 44.6
54 51.1 45.8 68.8



#24
Nitrobenzene
Concen: 48.091 ng
RT: 9.475 min Scan# 1019
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 77 Resp: 206438
Ion Ratio Lower Upper
77 100
123 36.0 27.5 41.3
65 13.8 12.6 18.8

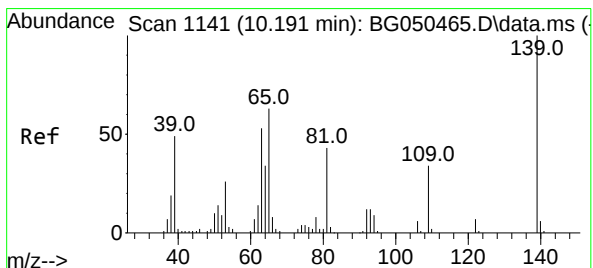
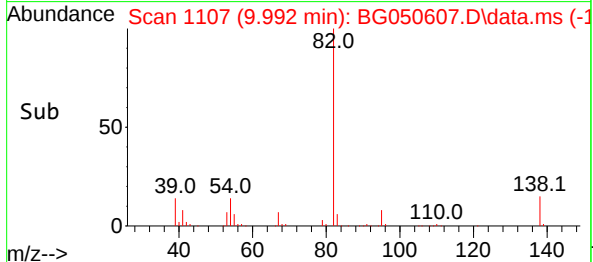
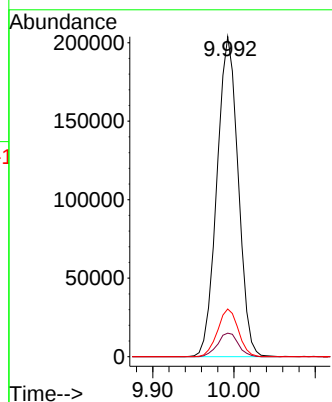
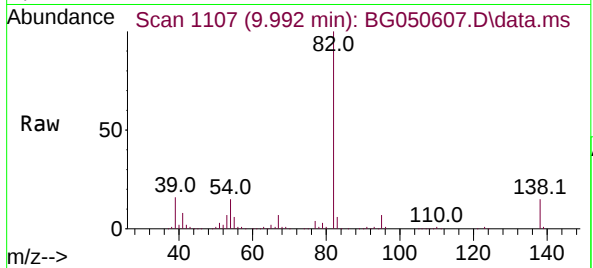




#25
Isophorone
Concen: 48.377 ng
RT: 9.992 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

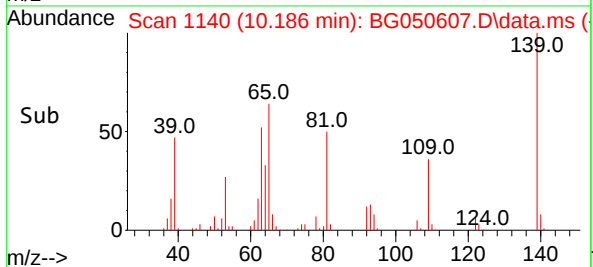
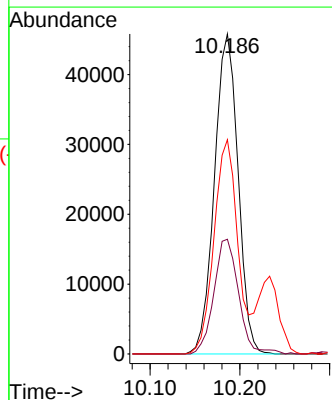
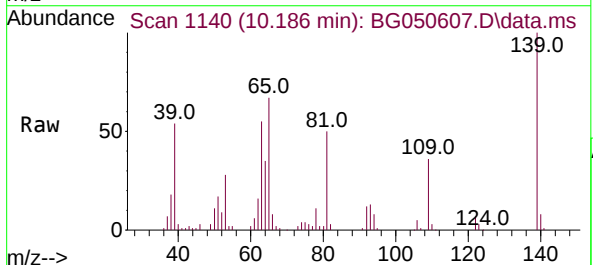
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

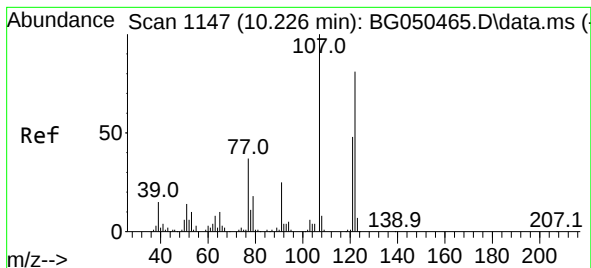
Tgt Ion: 82 Resp: 370442
Ion Ratio Lower Upper
82 100
95 7.3 8.5 12.7#
138 14.9 11.8 17.6



#26
2-Nitrophenol
Concen: 53.073 ng
RT: 10.186 min Scan# 1140
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 139 Resp: 83654
Ion Ratio Lower Upper
139 100
109 35.8 37.8 56.6#
65 67.0 51.8 77.8

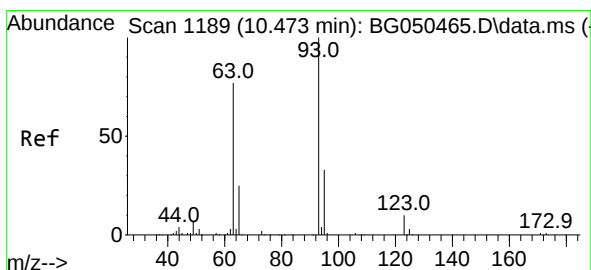
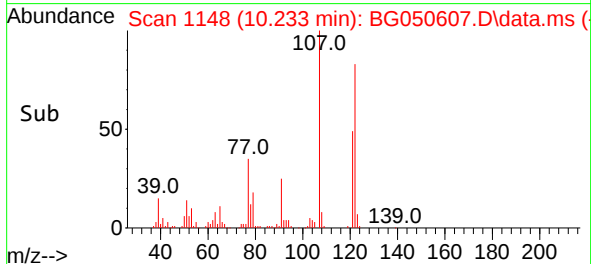
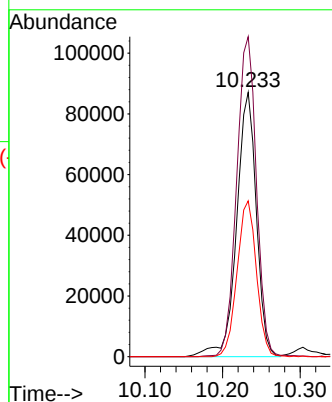
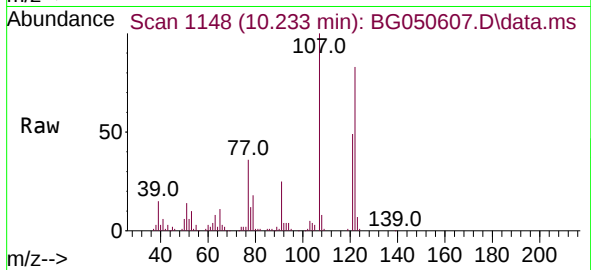




#27
2,4-Dimethylphenol
Concen: 56.585 ng
RT: 10.233 min Scan# 1148
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

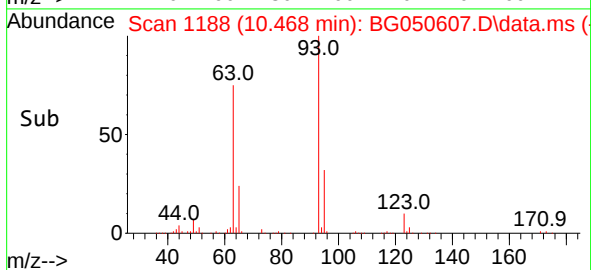
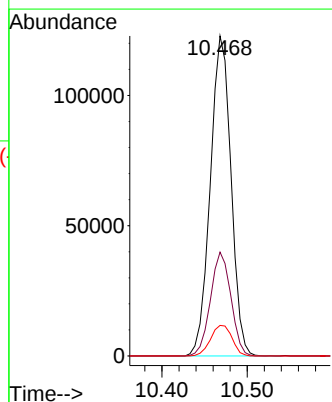
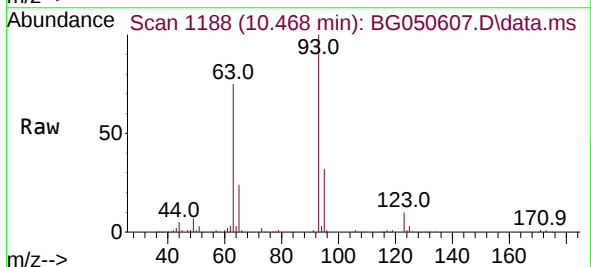
Instrument :
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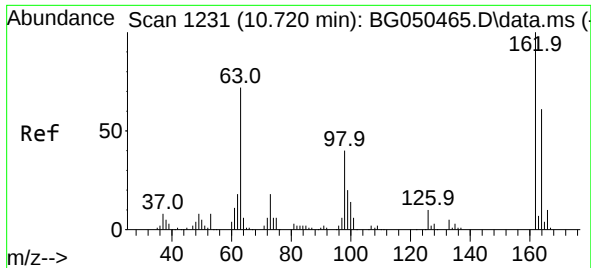
Tgt Ion:122 Resp: 154092
Ion Ratio Lower Upper
122 100
107 121.1 110.1 165.1
121 59.0 49.0 73.6



#28
bis(2-Chloroethoxy)methane
Concen: 47.269 ng
RT: 10.468 min Scan# 1188
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 93 Resp: 206961
Ion Ratio Lower Upper
93 100
95 32.5 22.2 33.4
123 9.6 8.8 13.2

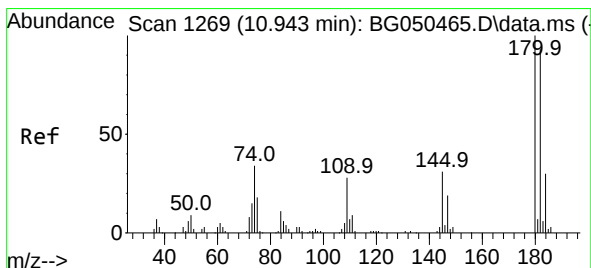
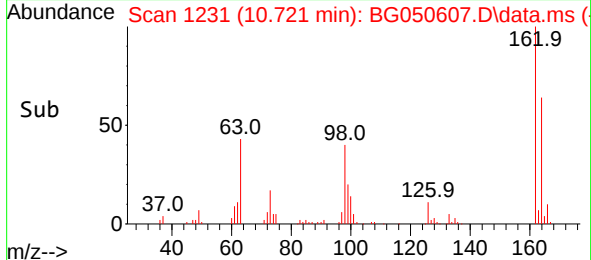
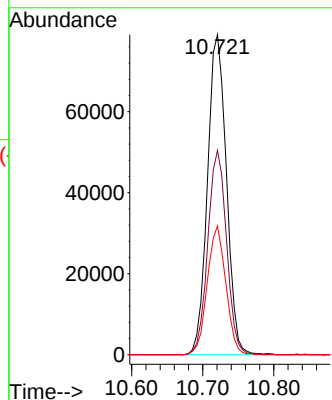
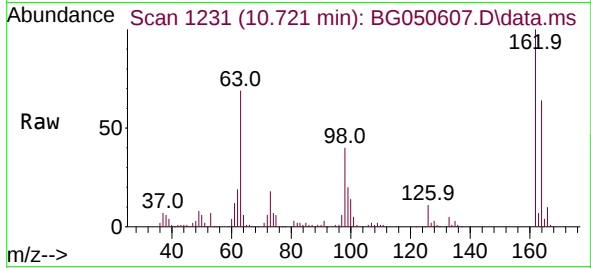




#29
2,4-Dichlorophenol
Concen: 52.712 ng
RT: 10.721 min Scan# 1231
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

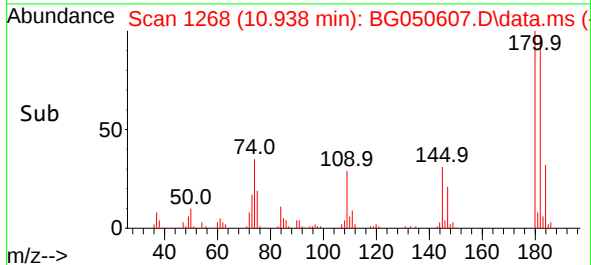
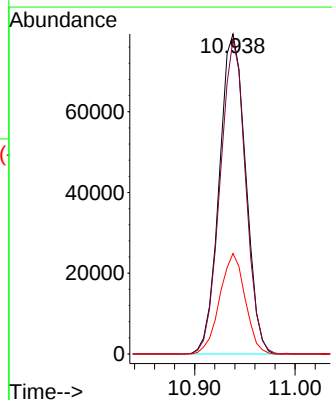
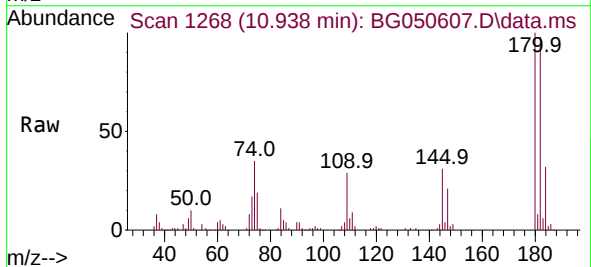
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ClientSampleId :
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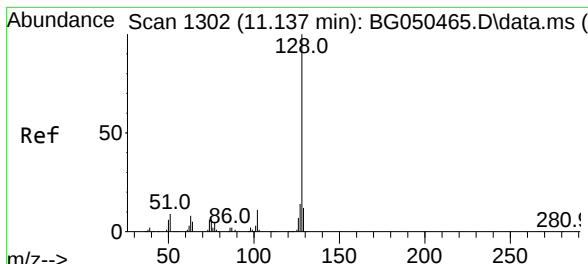
Tgt Ion:162 Resp: 146306
Ion Ratio Lower Upper
162 100
164 63.8 39.4 79.4
98 40.3 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 45.711 ng
RT: 10.938 min Scan# 1268
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:180 Resp: 144122
Ion Ratio Lower Upper
180 100
182 98.3 78.9 118.3
145 31.4 26.2 39.4

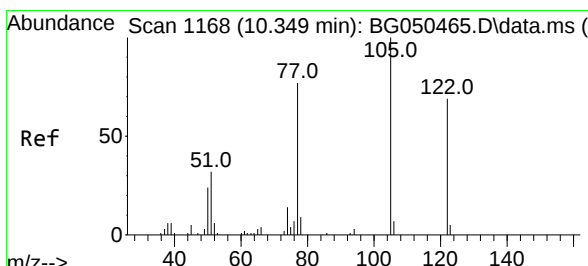
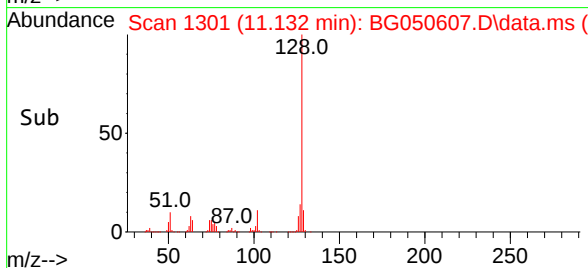
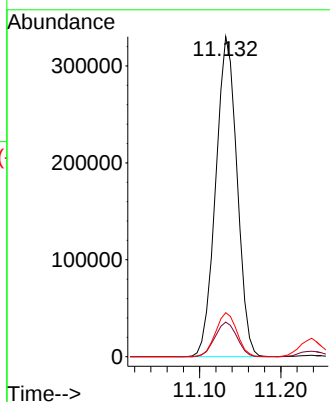
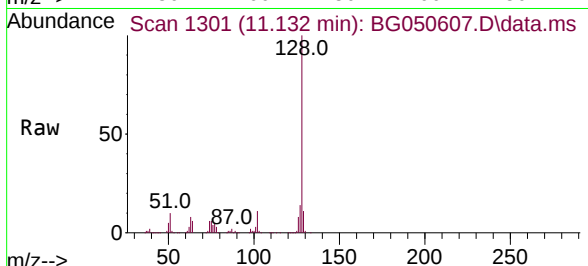




#31
Naphthalene
Concen: 63.010 ng
RT: 11.132 min Scan# 1301
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

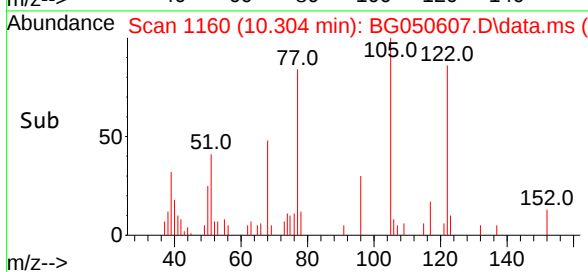
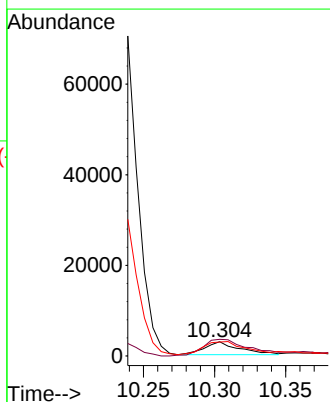
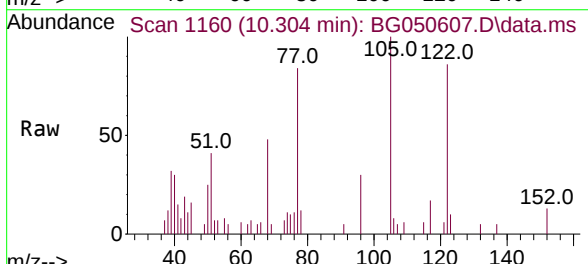
Instrument :
BNA_G
ClientSampleId :
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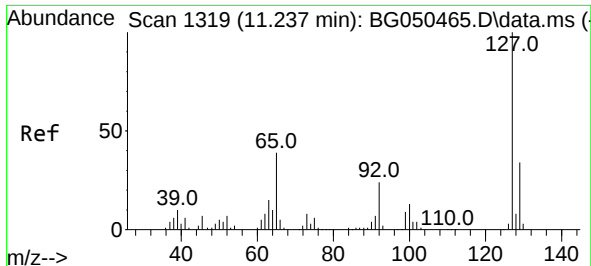
Tgt Ion:	128	Resp:	602748
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	13.8	10.2	15.4



#32
Benzoic acid
Concen: 2.424 ng
RT: 10.304 min Scan# 1160
Delta R.T. -0.052 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:	122	Resp:	4899
Ion	Ratio	Lower	Upper
122	100		
105	116.8	92.3	132.3
77	98.2	66.5	106.5

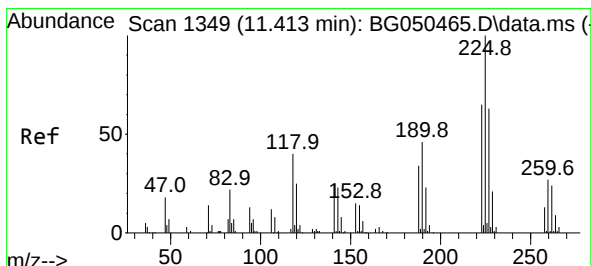
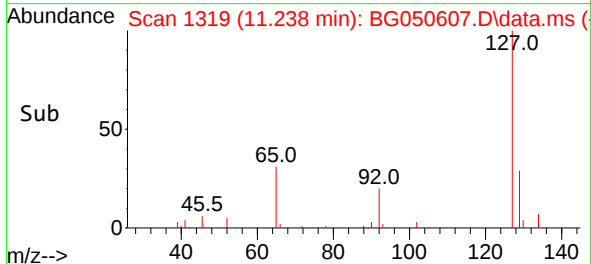
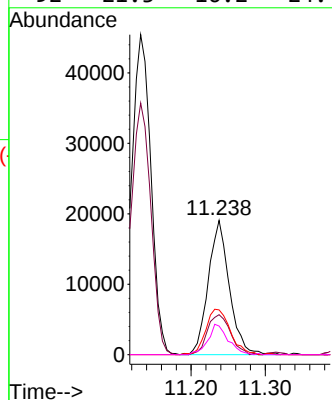
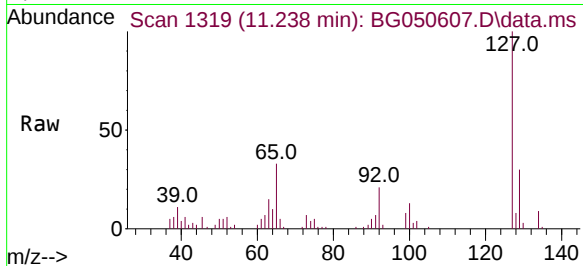




#33
4-Chloroaniline
Concen: 9.418 ng
RT: 11.238 min Scan# 1319
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

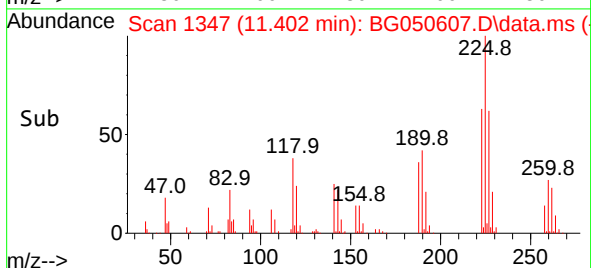
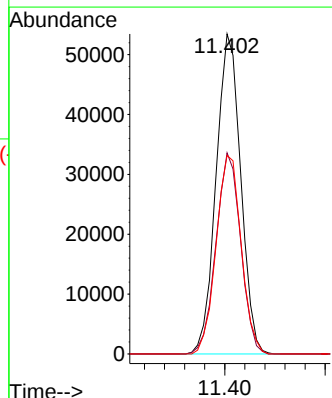
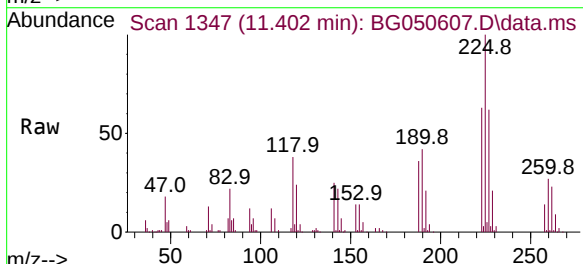
Instrument :
BNA_G
ClientSampleId :
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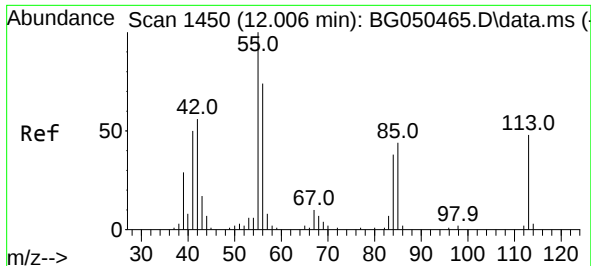
Tgt Ion:	127	Resp:	37801
Ion	Ratio	Lower	Upper
127	100		
129	29.8	26.7	40.1
65	33.4	32.8	49.2
92	21.3	16.2	24.4



#34
Hexachlorobutadiene
Concen: 45.963 ng
RT: 11.402 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:	225	Resp:	90979
Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.8
227	62.0	46.4	69.6

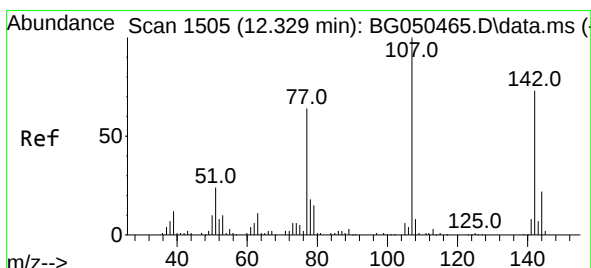
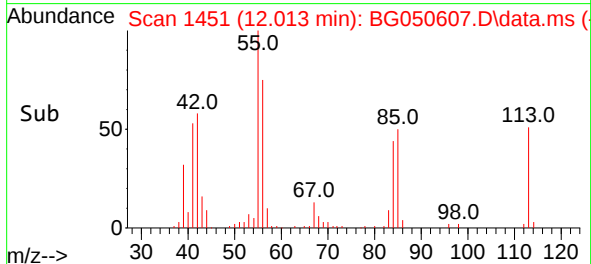
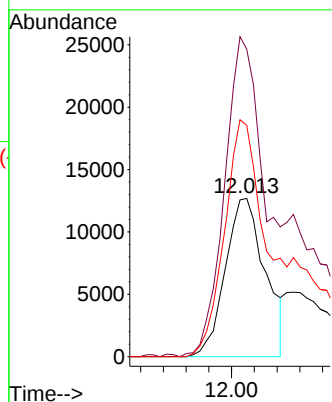
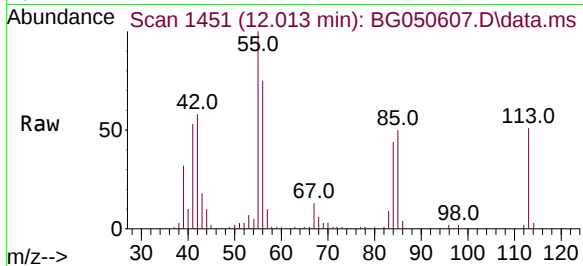




#35
Caprolactam
Concen: 29.013 ng
RT: 12.013 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

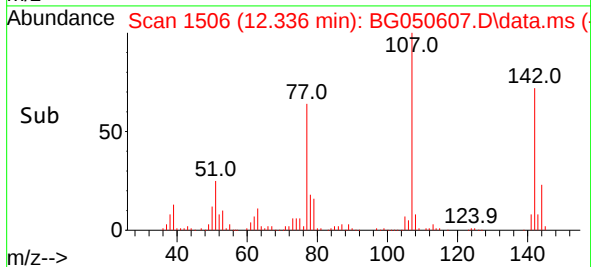
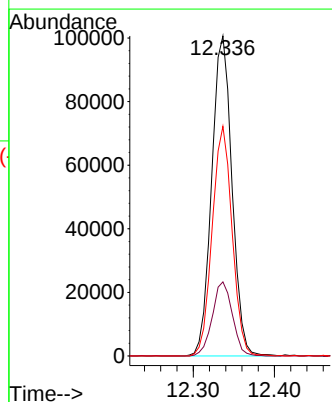
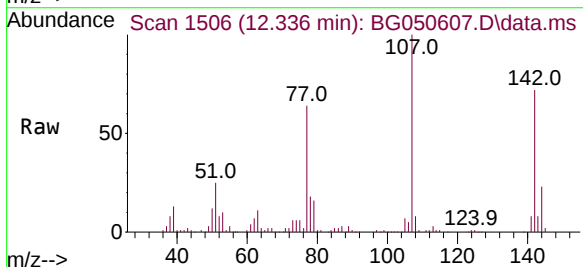
Instrument :
BNA_G
ClientSampleId :
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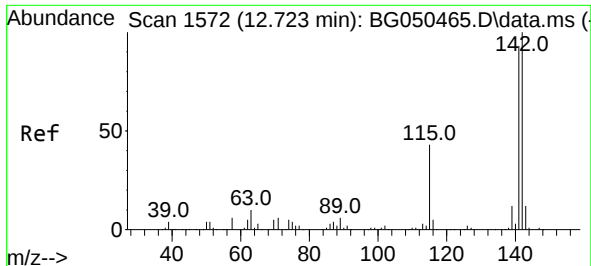
Tgt Ion:113 Resp: 30820
Ion Ratio Lower Upper
113 100
55 194.2 113.8 153.8#
56 146.2 105.6 145.6#



#36
4-Chloro-3-methylphenol
Concen: 50.298 ng
RT: 12.336 min Scan# 1506
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:107 Resp: 174496
Ion Ratio Lower Upper
107 100
144 23.2 24.8 37.2#
142 71.7 62.2 93.4

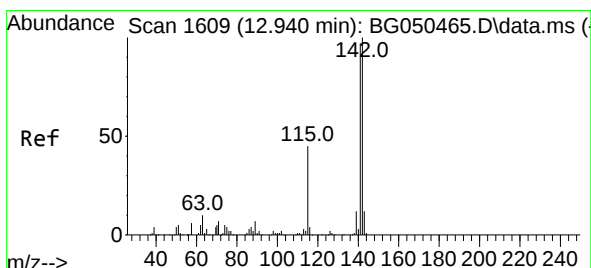
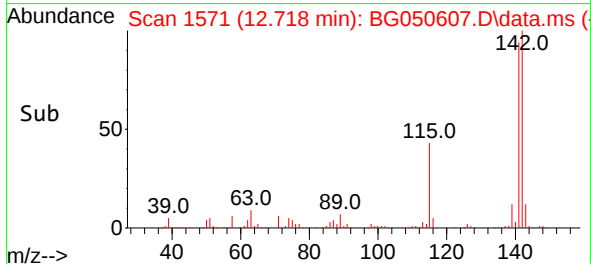
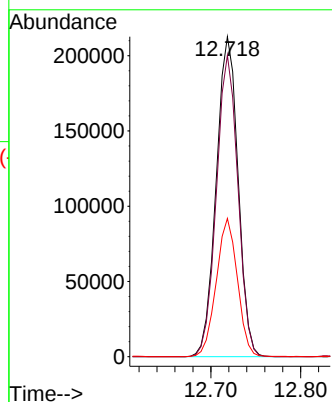
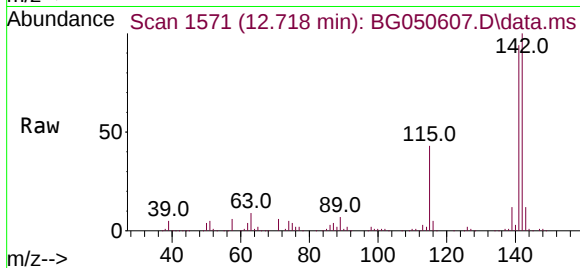




#37
2-Methylnaphthalene
Concen: 54.335 ng
RT: 12.718 min Scan# 1571
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

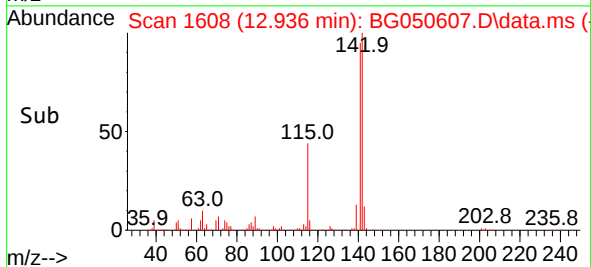
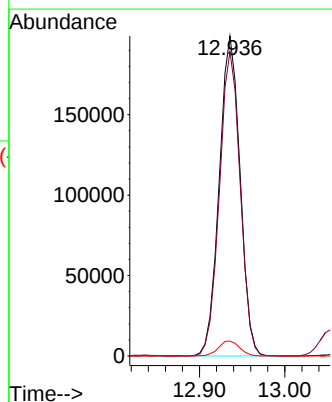
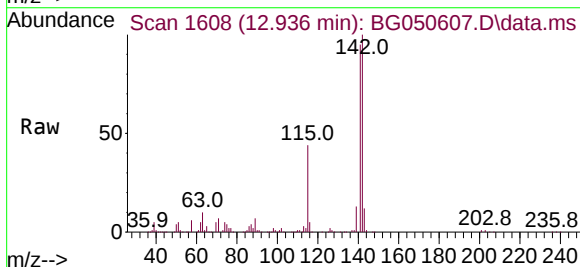
Instrument :
BNA_G
ClientSampleId :
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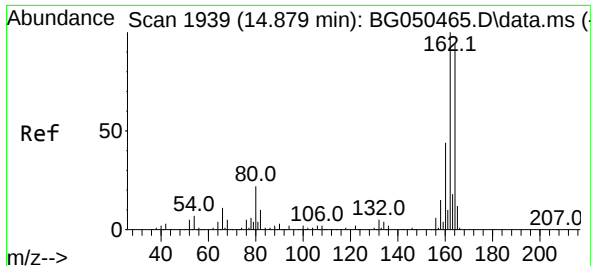
Tgt Ion:142 Resp: 358625
Ion Ratio Lower Upper
142 100
141 94.2 68.8 103.2
115 43.2 36.4 54.6



#38
1-Methylnaphthalene
Concen: 52.696 ng
RT: 12.936 min Scan# 1608
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:142 Resp: 337266
Ion Ratio Lower Upper
142 100
141 95.1 70.6 106.0
116 4.7 4.0 6.0

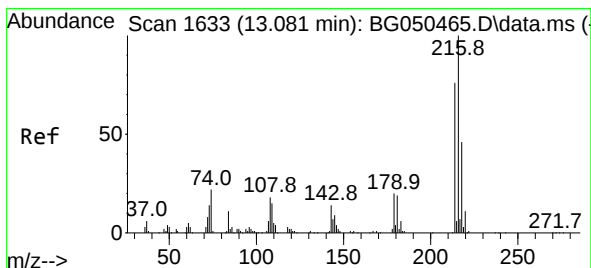
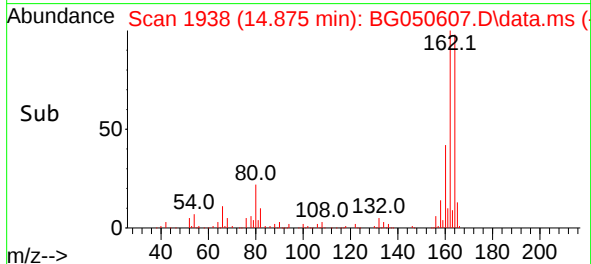
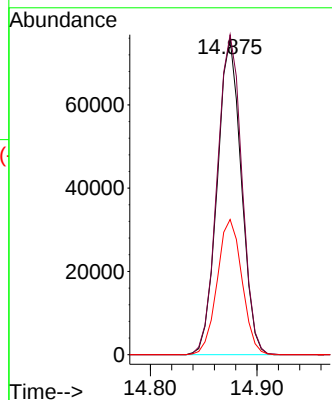
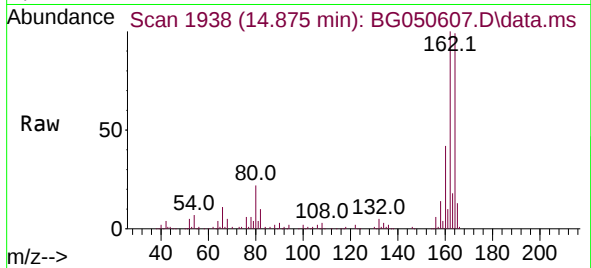




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

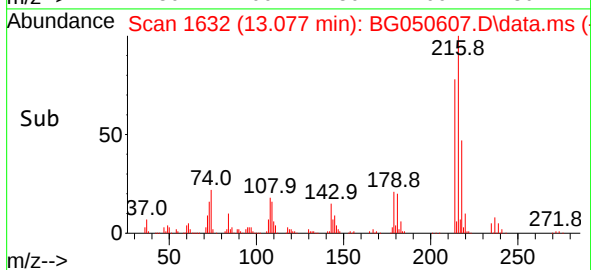
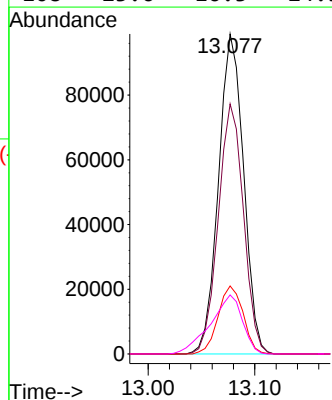
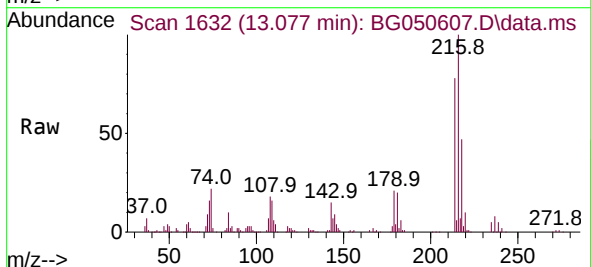
Instrument :
BNA_G
ClientSampleId :
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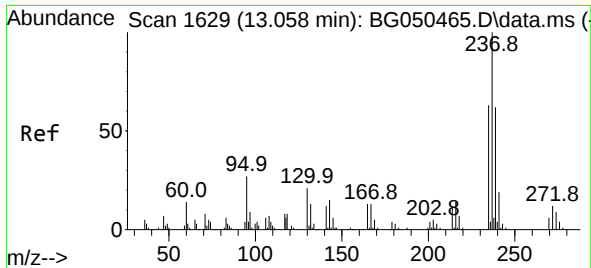
Tgt Ion:164 Resp: 118344
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 42.7 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.105 ng
RT: 13.077 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:216 Resp: 161125
Ion Ratio Lower Upper
216 100
214 78.6 61.4 92.2
179 21.3 17.3 25.9
108 23.6 16.3 24.5

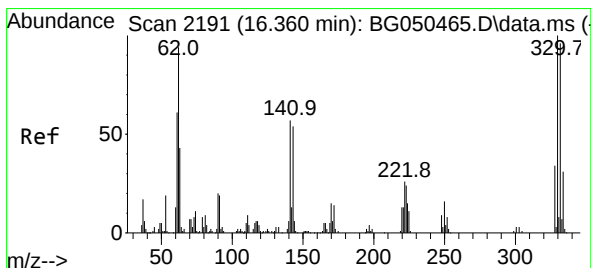
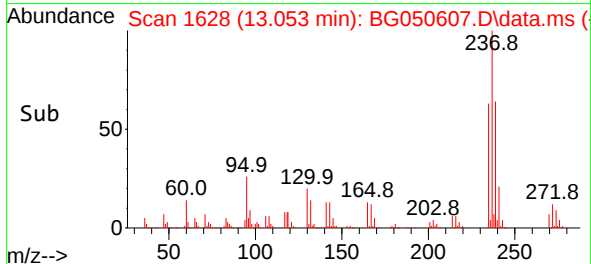
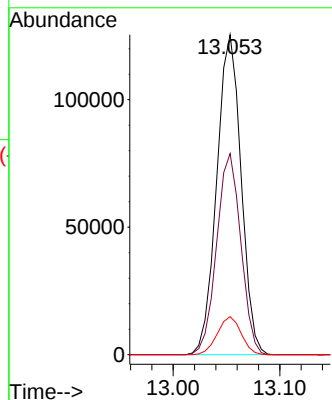
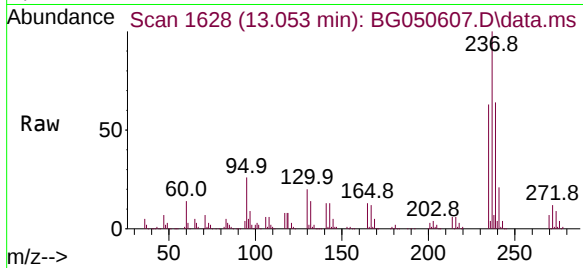




#41
Hexachlorocyclopentadiene
Concen: 98.396 ng
RT: 13.053 min Scan# 1628
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

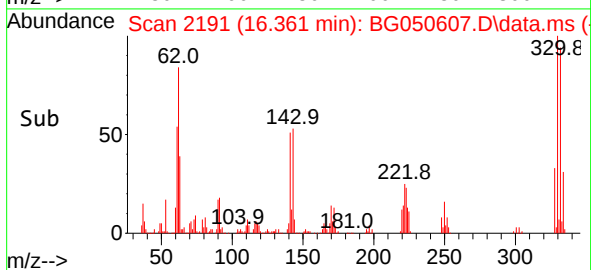
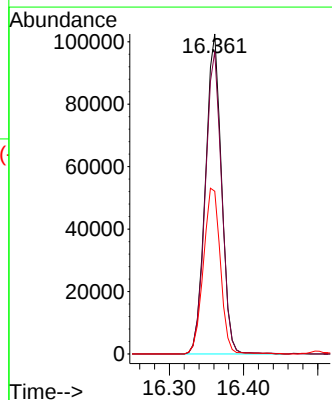
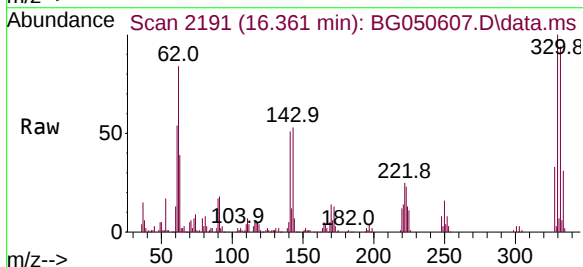
Instrument :
BNA_G
ClientSampleId :
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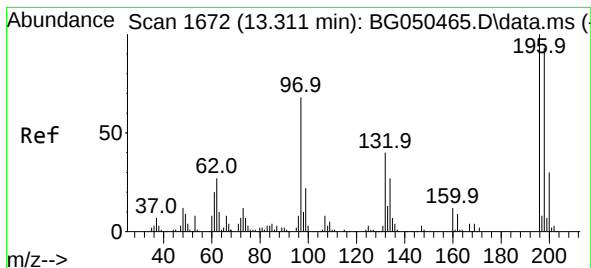
Tgt Ion:237 Resp: 198735
Ion Ratio Lower Upper
237 100
235 62.8 36.6 76.6
272 11.9 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 136.793 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:330 Resp: 154411
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 54.8 35.6 53.4#

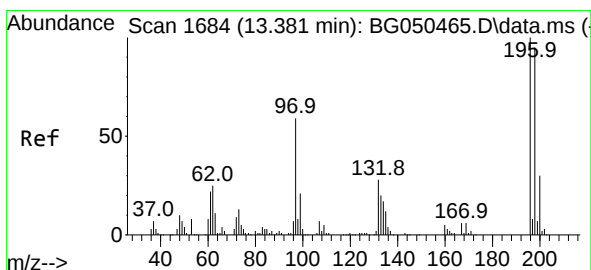
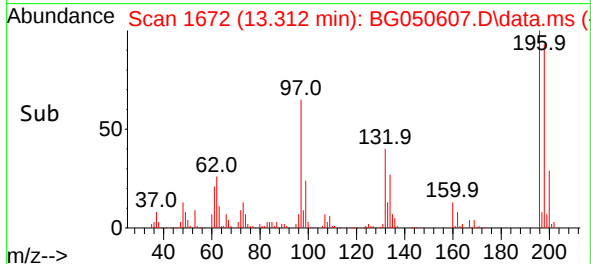
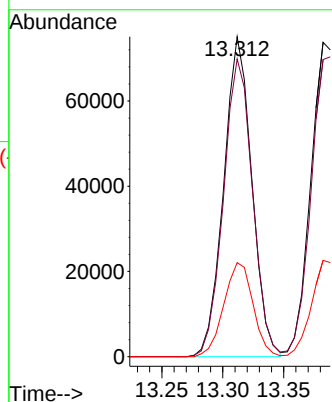
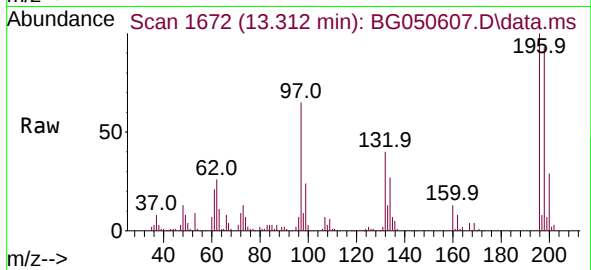




#43
2,4,6-Trichlorophenol
Concen: 48.913 ng
RT: 13.312 min Scan# 1672
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

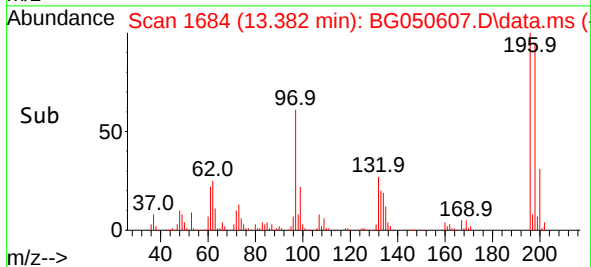
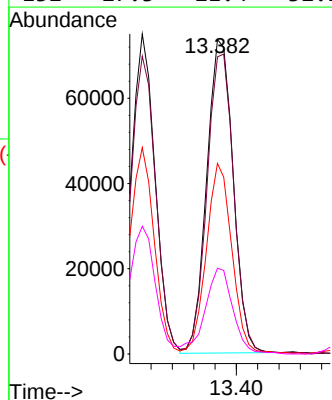
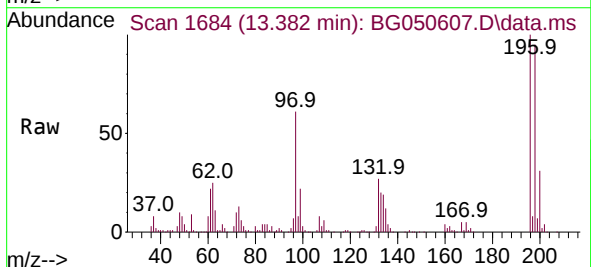
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

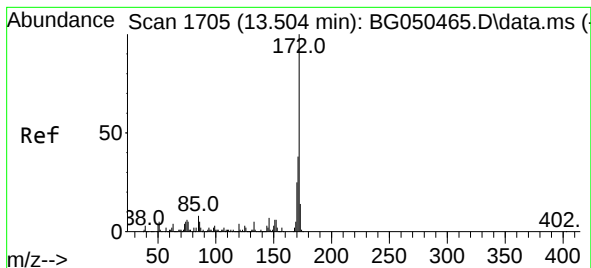
Tgt Ion:196 Resp: 120455
Ion Ratio Lower Upper
196 100
198 93.1 82.1 123.1
200 29.4 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 49.379 ng
RT: 13.382 min Scan# 1684
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:196 Resp: 127136
Ion Ratio Lower Upper
196 100
198 94.5 87.4 131.0
97 60.6 43.3 64.9
132 27.3 21.4 32.2

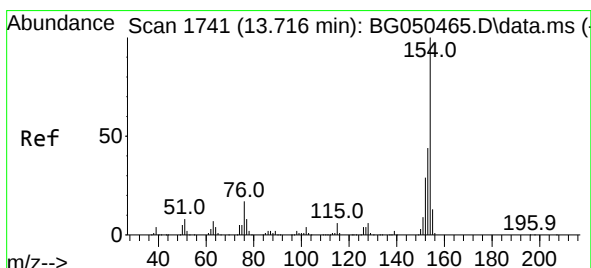
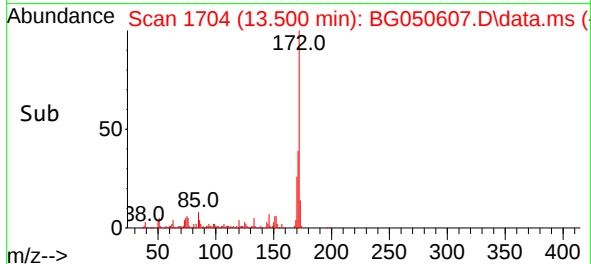
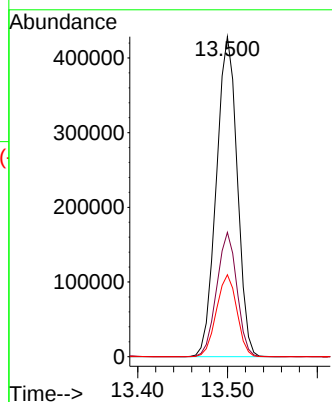
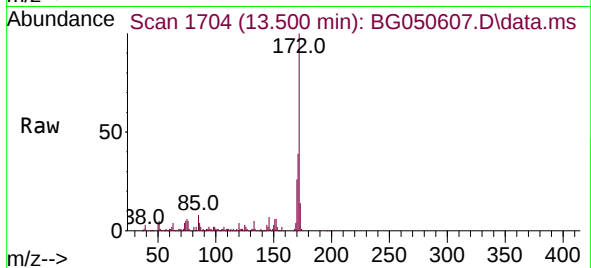




#45
2-Fluorobiphenyl
Concen: 87.983 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

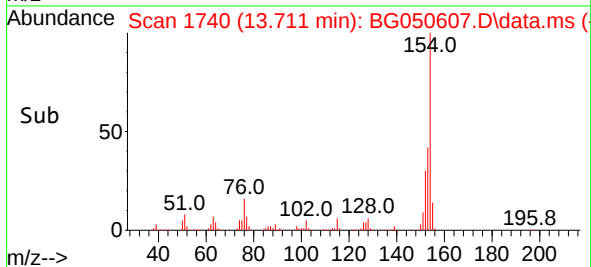
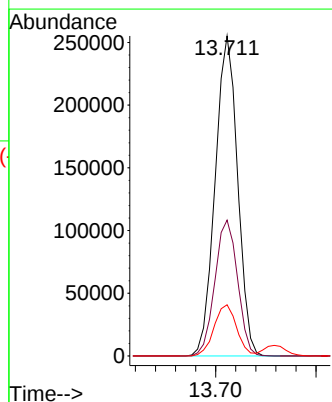
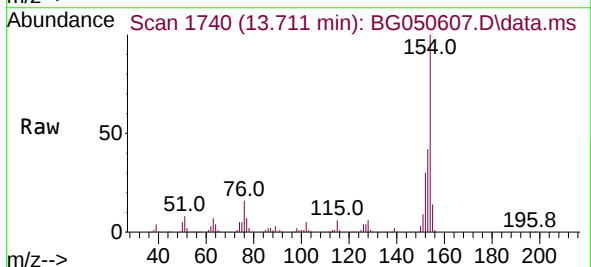
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

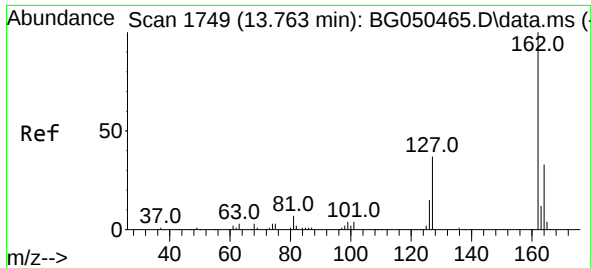
Tgt Ion:172 Resp: 691829
Ion Ratio Lower Upper
172 100
171 38.9 28.6 43.0
170 25.6 18.6 27.8



#46
1,1'-Biphenyl
Concen: 45.856 ng
RT: 13.711 min Scan# 1740
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:154 Resp: 395833
Ion Ratio Lower Upper
154 100
153 42.5 20.5 60.5
76 16.0 0.0 29.3

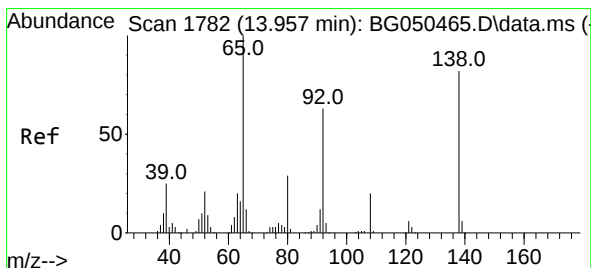
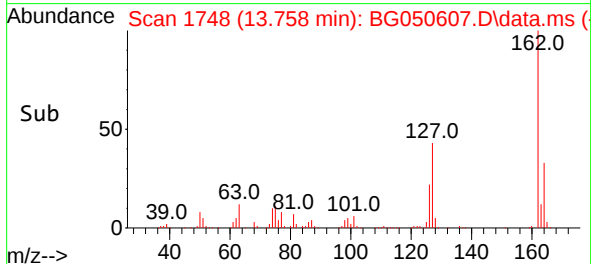
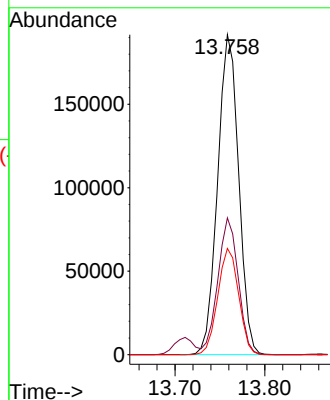
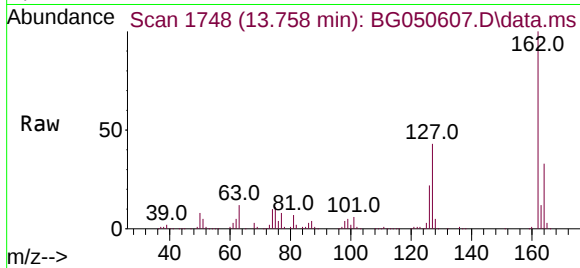




#47
2-Chloronaphthalene
Concen: 46.961 ng
RT: 13.758 min Scan# 1748
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

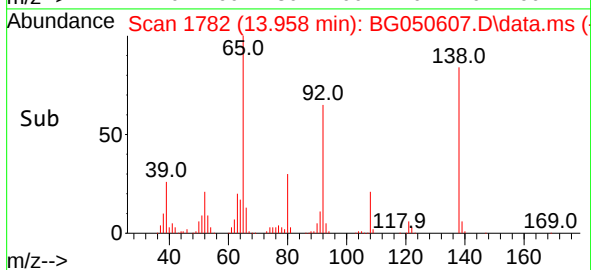
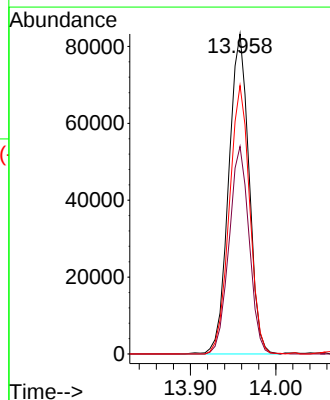
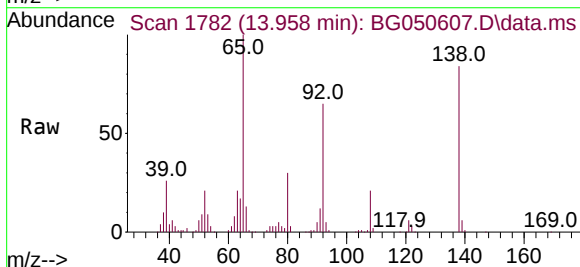
Instrument :
BNA_G
ClientSampleId :
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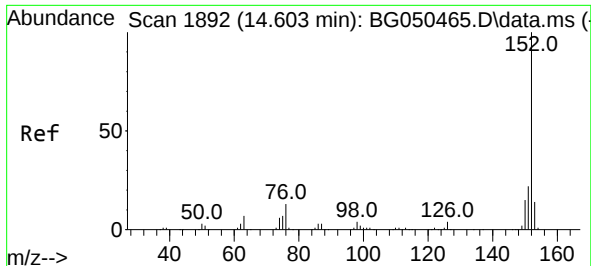
Tgt Ion:162 Resp: 311266
Ion Ratio Lower Upper
162 100
127 42.8 32.7 49.1
164 33.2 27.0 40.4



#48
2-Nitroaniline
Concen: 52.097 ng
RT: 13.958 min Scan# 1782
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion: 65 Resp: 137363
Ion Ratio Lower Upper
65 100
92 64.9 47.2 70.8
138 83.9 68.0 102.0

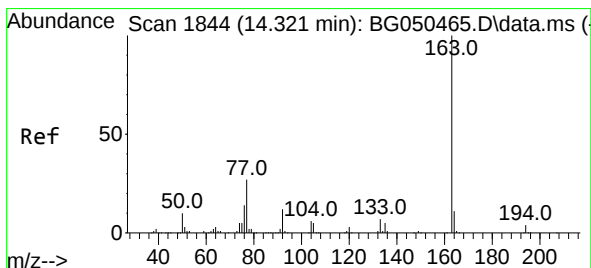
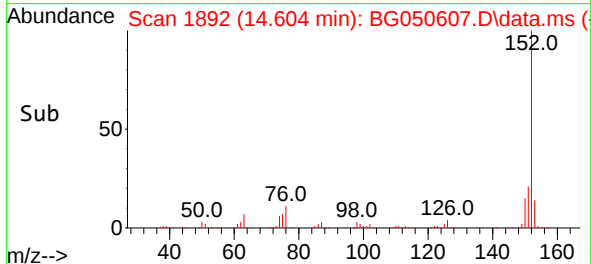
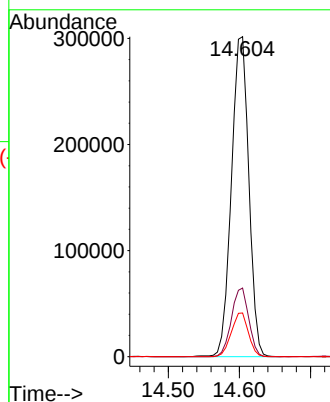
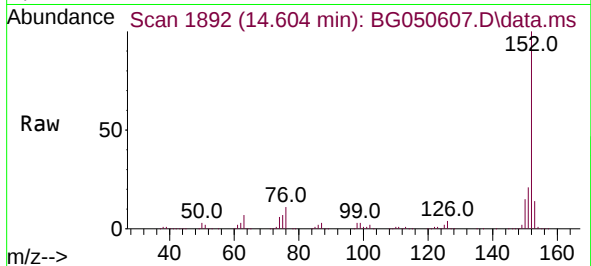




#49
Acenaphthylene
Concen: 47.224 ng
RT: 14.604 min Scan# 1892
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

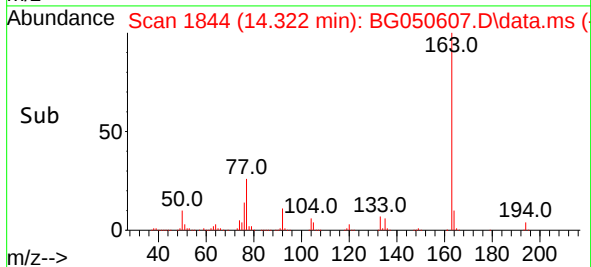
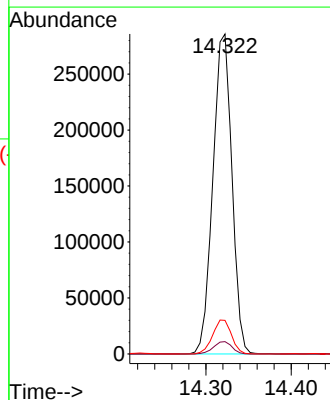
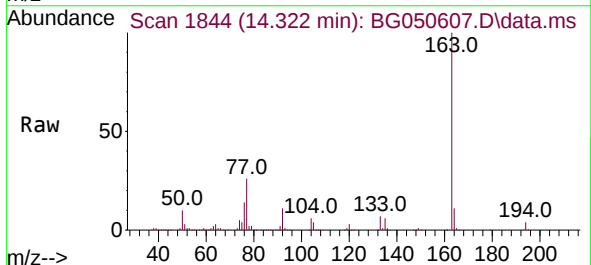
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

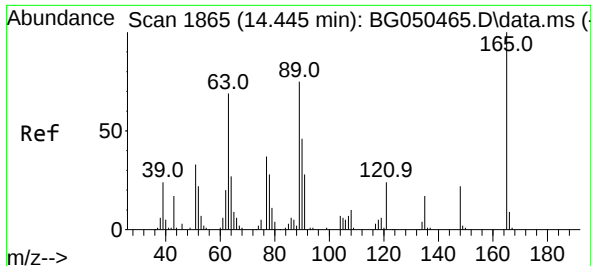
Tgt Ion:152 Resp: 512869
Ion Ratio Lower Upper
152 100
151 21.4 18.2 27.4
153 13.6 11.7 17.5



#50
Dimethylphthalate
Concen: 49.514 ng
RT: 14.322 min Scan# 1844
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:163 Resp: 442916
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.5 8.6 12.8

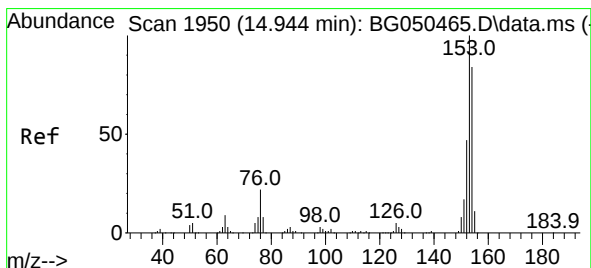
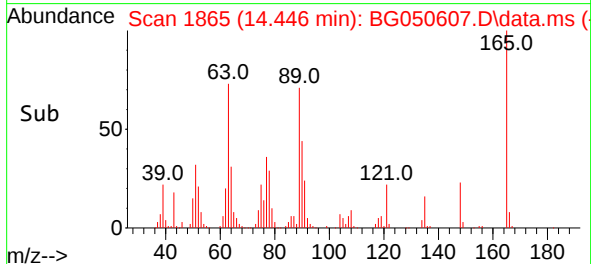
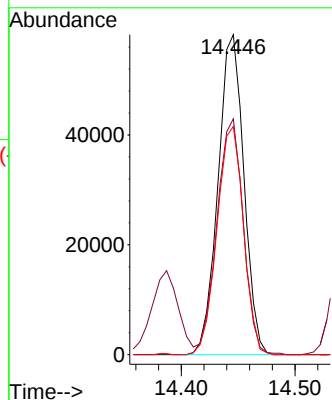
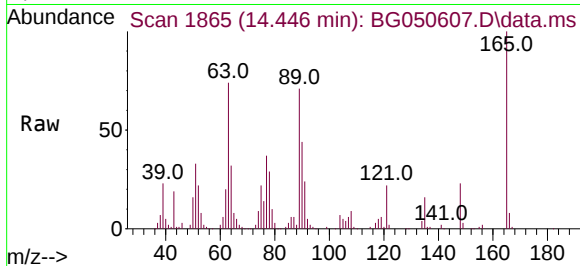




#51
2,6-Dinitrotoluene
Concen: 51.357 ng
RT: 14.446 min Scan# 1865
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

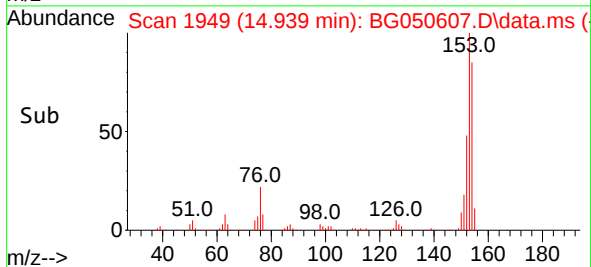
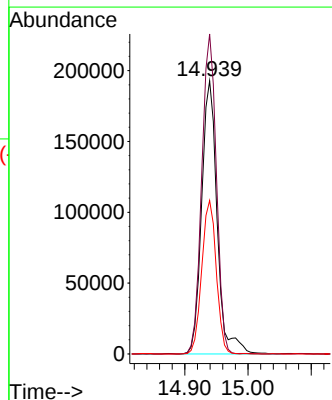
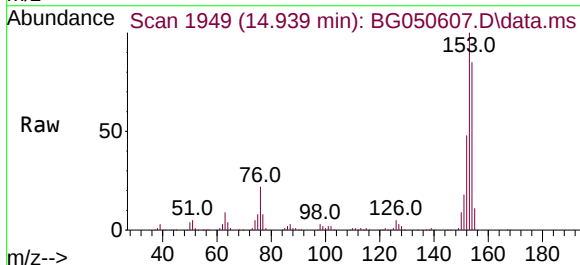
Instrument :
BNA_G
ClientSampleId :
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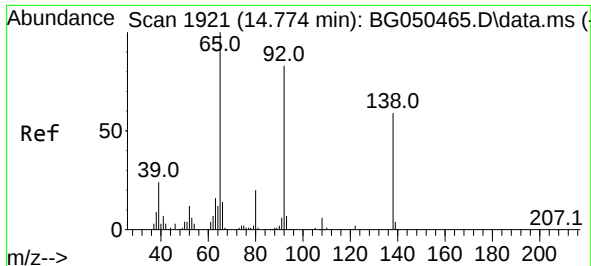
Tgt Ion:165 Resp: 92015
Ion Ratio Lower Upper
165 100
63 73.7 63.3 94.9
89 71.3 63.4 95.0



#52
Acenaphthene
Concen: 47.077 ng
RT: 14.939 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:154 Resp: 328544
Ion Ratio Lower Upper
154 100
153 117.2 87.0 130.4
152 56.2 40.1 60.1

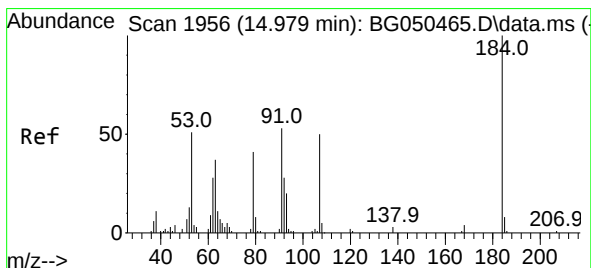
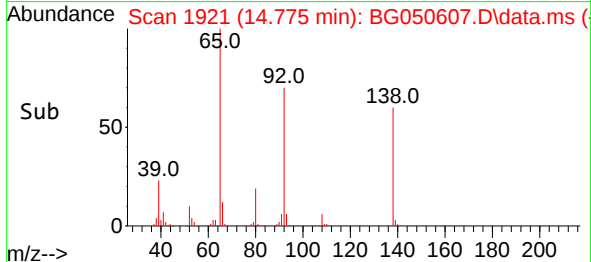
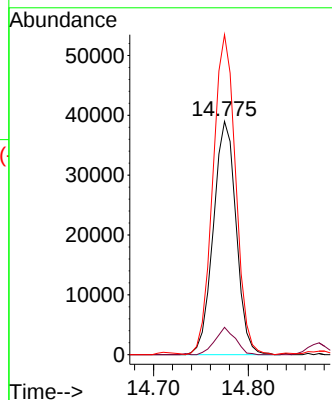
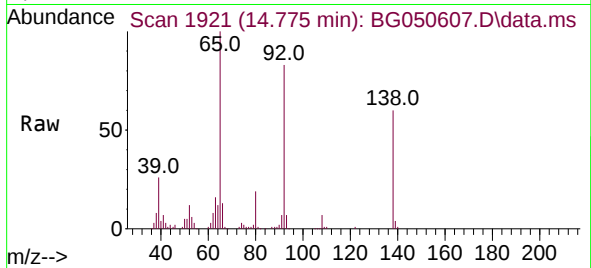




#53
3-Nitroaniline
Concen: 30.703 ng
RT: 14.775 min Scan# 1921
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

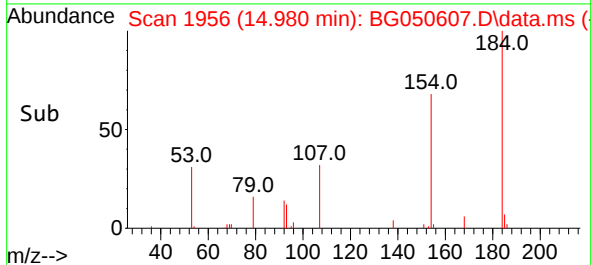
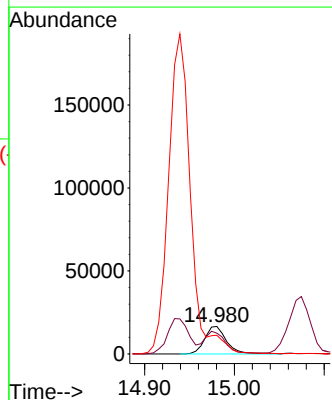
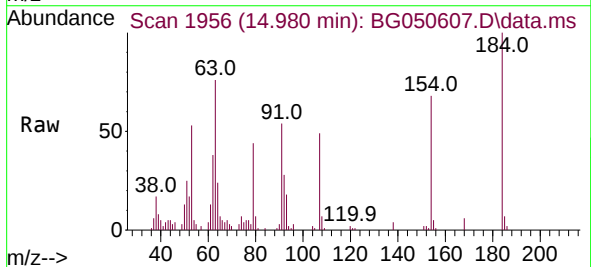
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

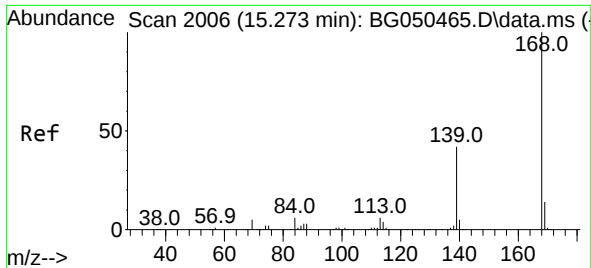
Tgt Ion:138 Resp: 65070
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 137.1 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 25.122 ng
RT: 14.980 min Scan# 1956
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:184 Resp: 27923
Ion Ratio Lower Upper
184 100
63 75.9 68.3 102.5
154 68.0 62.6 93.8

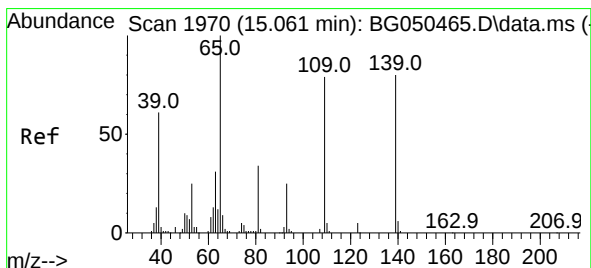
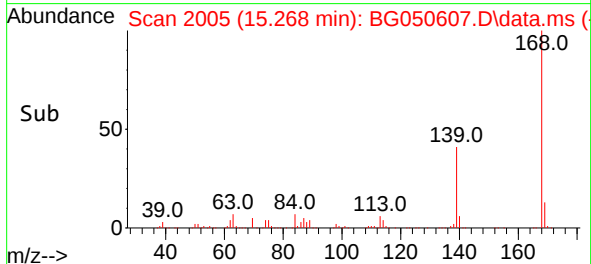
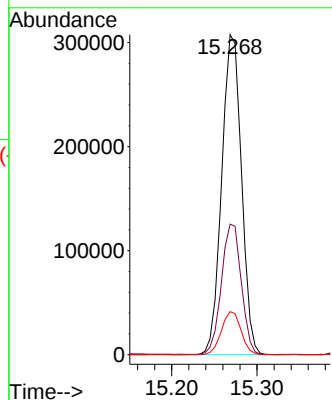
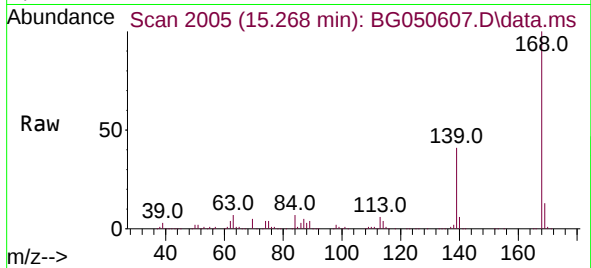




#55
Dibenzenofuran
Concen: 45.845 ng
RT: 15.268 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

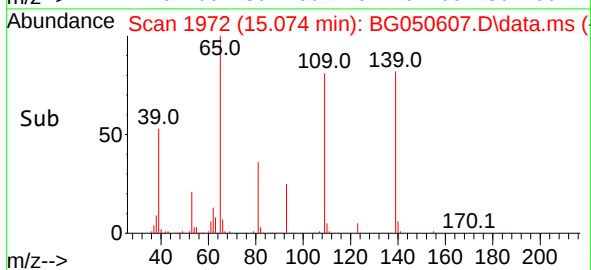
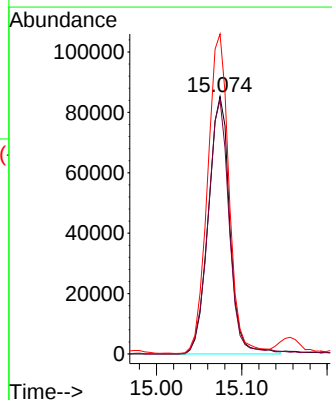
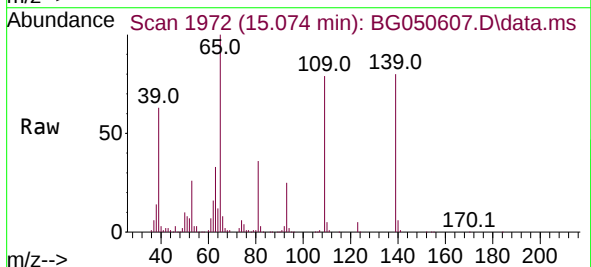
Instrument :
BNA_G
ClientSampleId :
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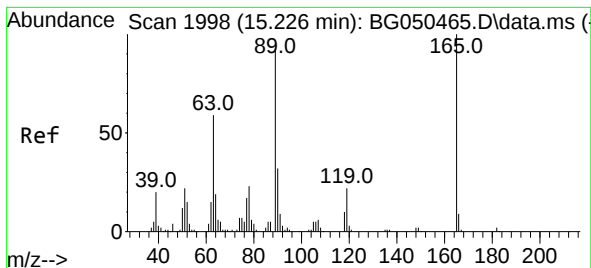
Tgt Ion:168 Resp: 494828
Ion Ratio Lower Upper
168 100
139 40.8 33.4 50.2
169 13.5 12.3 18.5



#56
4-Nitrophenol
Concen: 87.226 ng
RT: 15.074 min Scan# 1972
Delta R.T. 0.006 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:139 Resp: 148701
Ion Ratio Lower Upper
139 100
109 98.6 116.3 156.3#
65 124.3 105.0 145.0

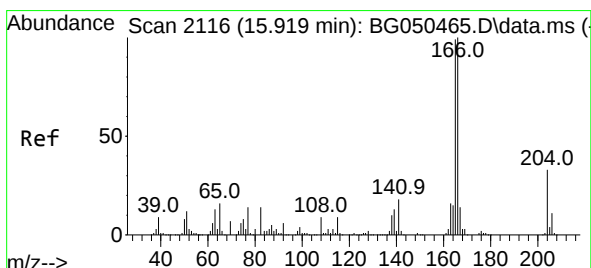
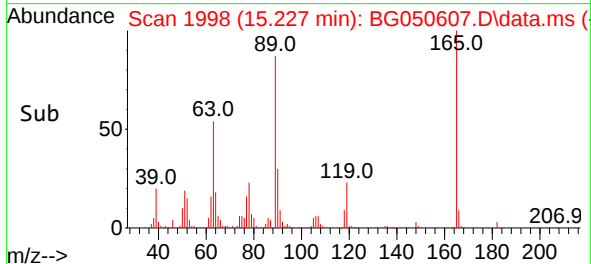
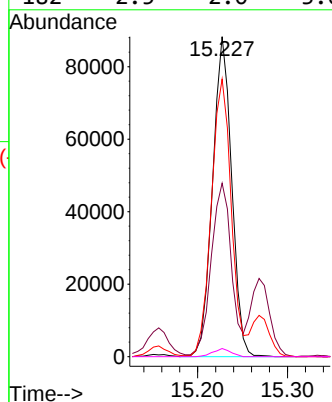
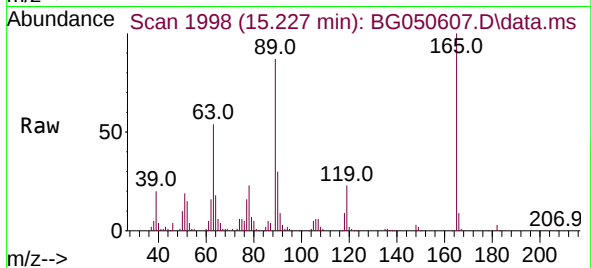




#57
2,4-Dinitrotoluene
Concen: 51.748 ng
RT: 15.227 min Scan# 1998
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

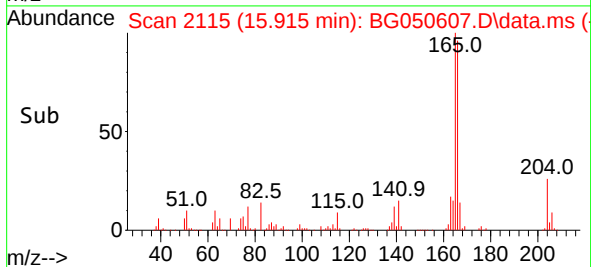
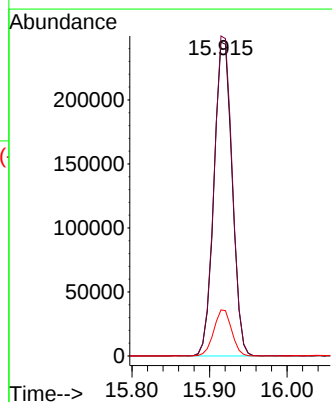
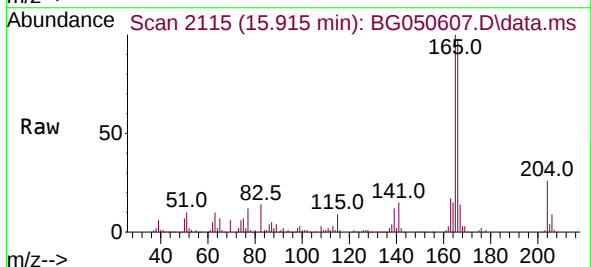
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

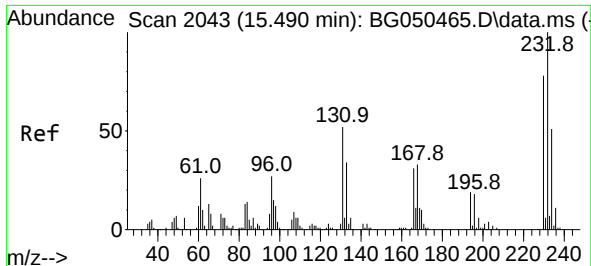
Tgt Ion:	165	Resp:	130684
Ion Ratio	Lower	Upper	
165	100		
63	54.2	48.0	72.0
89	86.7	65.4	98.0
182	2.5	2.0	3.0



#58
Fluorene
Concen: 48.221 ng
RT: 15.915 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:	166	Resp:	399774
Ion Ratio	Lower	Upper	
166	100		
165	102.0	77.7	116.5
167	14.7	10.8	16.2

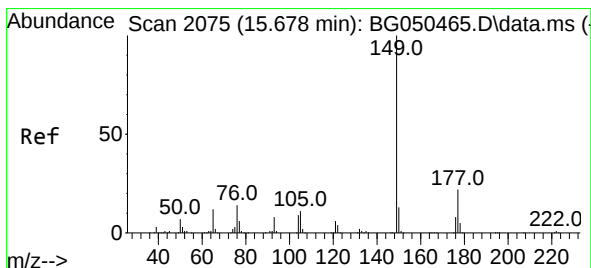
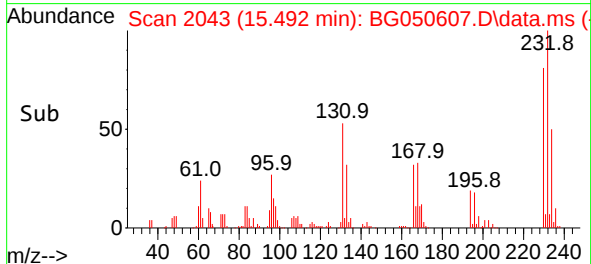
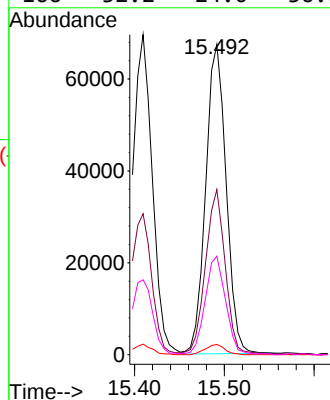
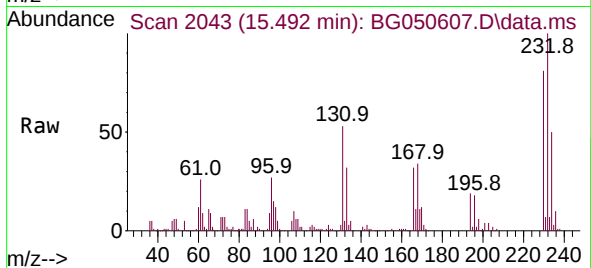




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.379 ng
RT: 15.492 min Scan# 2043
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

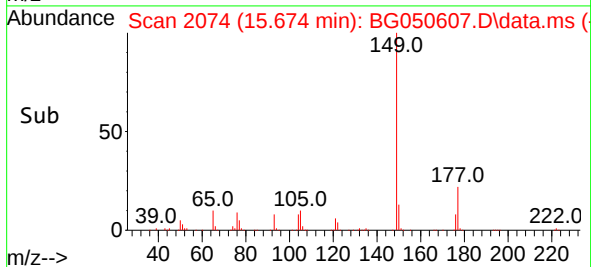
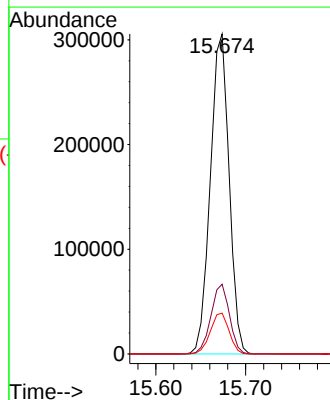
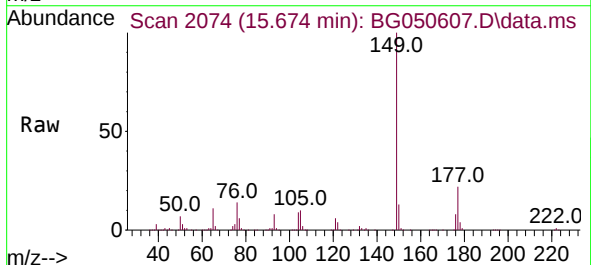
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

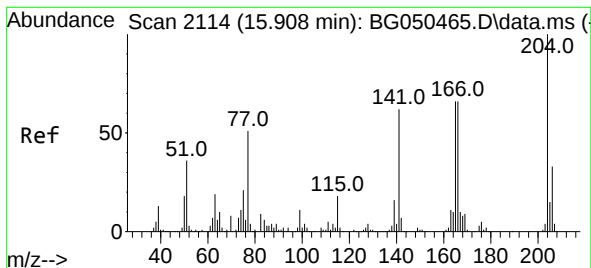
Tgt Ion:232 Resp: 106261
Ion Ratio Lower Upper
232 100
131 52.3 37.2 55.8
130 3.2 2.8 4.2
166 32.2 24.0 36.0



#60
Diethylphthalate
Concen: 47.190 ng
RT: 15.674 min Scan# 2074
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:149 Resp: 443527
Ion Ratio Lower Upper
149 100
177 21.8 19.0 28.6
150 12.8 10.2 15.4

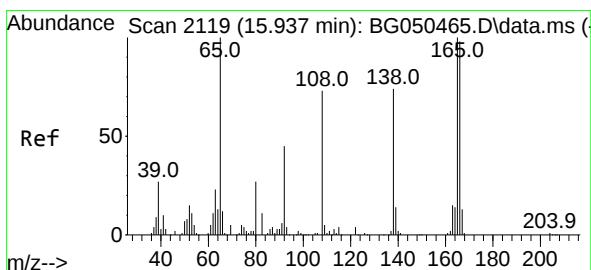
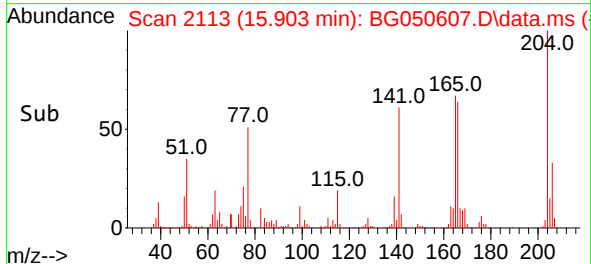
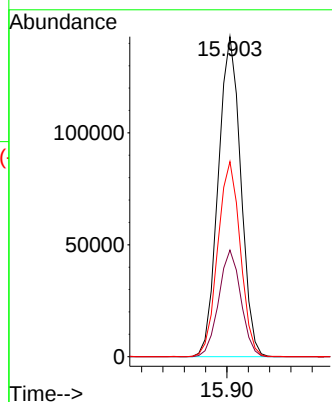
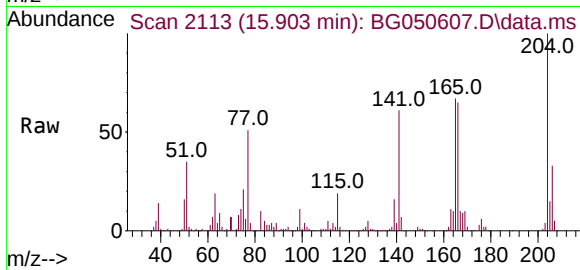




#61
4-Chlorophenyl-phenylether
Concen: 46.189 ng
RT: 15.903 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

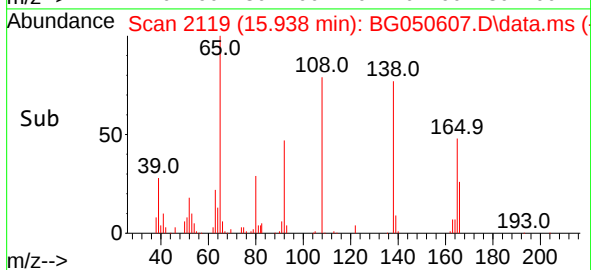
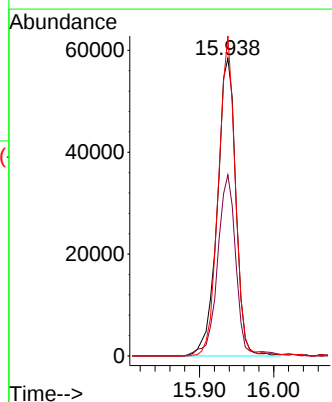
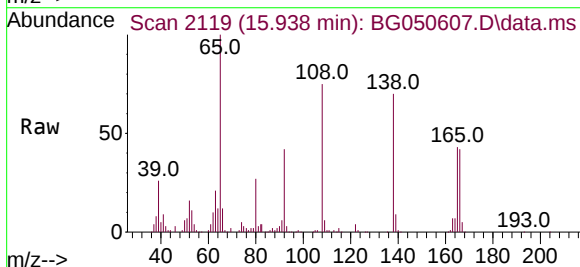
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

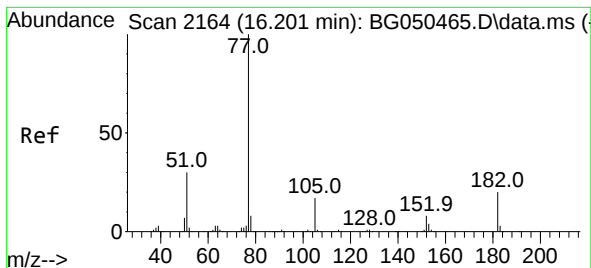
Tgt Ion:204 Resp: 209525
Ion Ratio Lower Upper
204 100
206 33.3 24.6 37.0
141 60.9 47.8 71.8



#62
4-Nitroaniline
Concen: 45.937 ng
RT: 15.938 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:138 Resp: 101289
Ion Ratio Lower Upper
138 100
92 60.8 32.3 72.3
108 107.4 132.4 172.4#





#63

Azobenzene

Concen: 45.755 ng

RT: 16.197 min Scan# 2163

Delta R.T. 0.001 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

Tgt Ion: 77 Resp: 497801

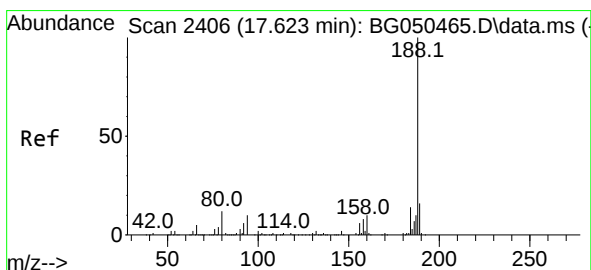
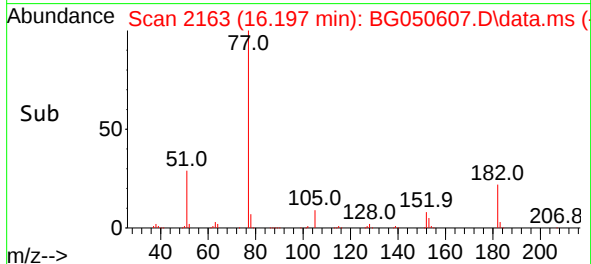
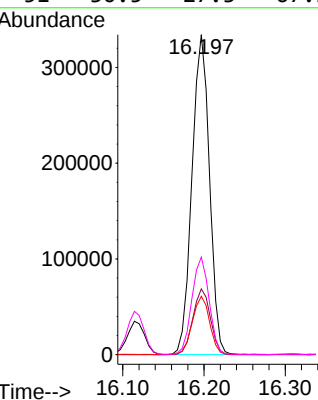
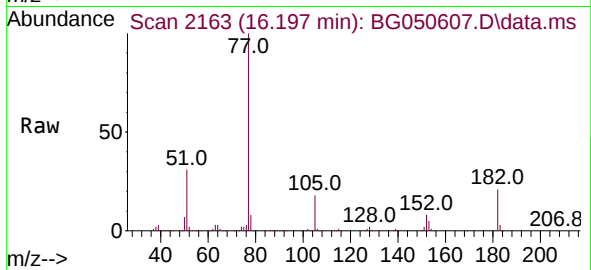
Ion Ratio Lower Upper

77 100

182 20.6 7.9 47.9

105 18.2 0.0 37.9

51 30.5 27.3 67.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.619 min Scan# 2405

Delta R.T. 0.001 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

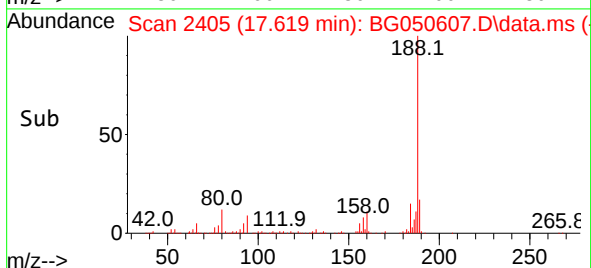
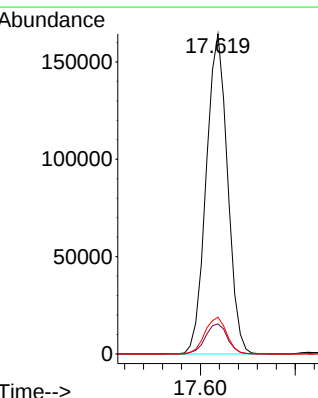
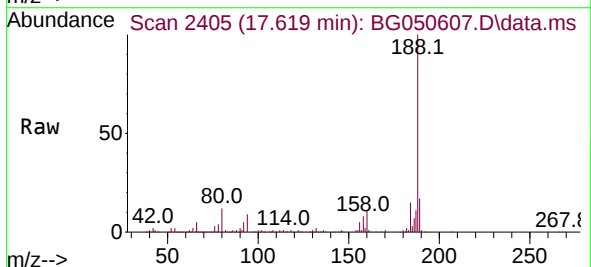
Tgt Ion:188 Resp: 257068

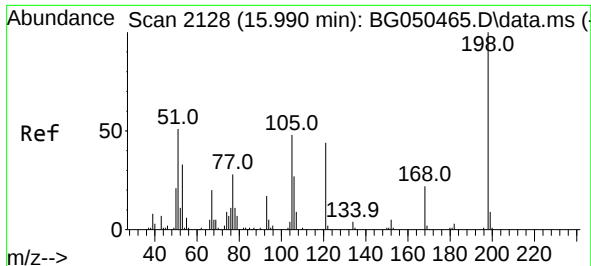
Ion Ratio Lower Upper

188 100

94 9.4 5.4 8.0#

80 11.5 3.7 5.5#

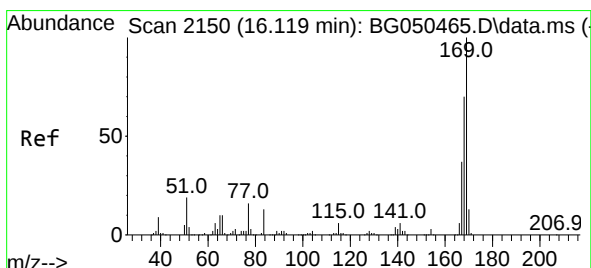
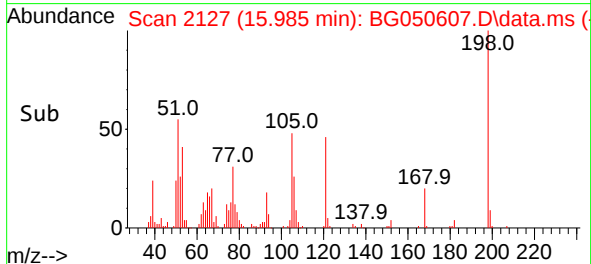
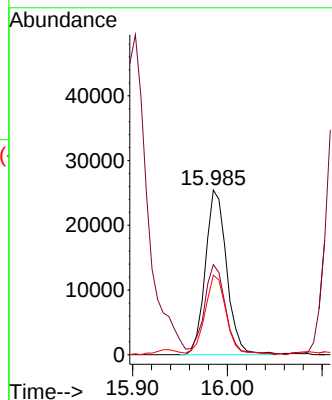
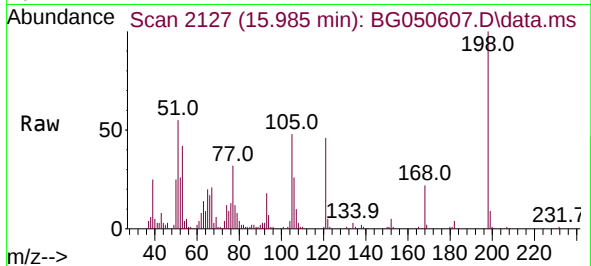




#65
4,6-Dinitro-2-methylphenol
Concen: 25.781 ng
RT: 15.985 min Scan# 2127
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

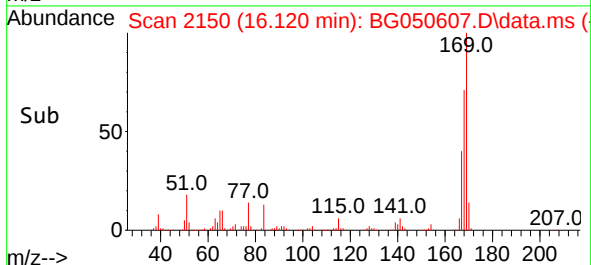
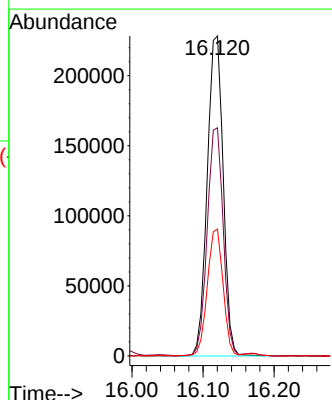
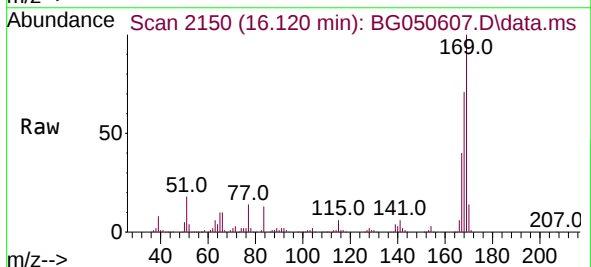
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

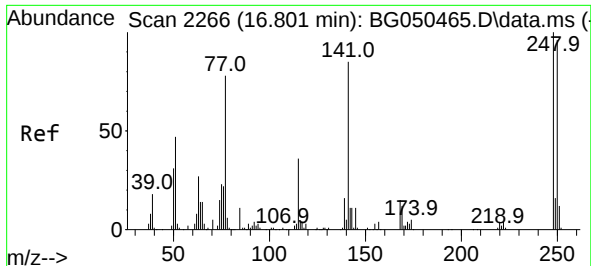
Tgt Ion:198 Resp: 39807
Ion Ratio Lower Upper
198 100
51 54.7 29.4 69.4
105 48.2 15.1 55.1



#66
n-Nitrosodiphenylamine
Concen: 48.923 ng
RT: 16.120 min Scan# 2150
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:169 Resp: 357349
Ion Ratio Lower Upper
169 100
168 71.3 56.3 84.5
167 39.7 28.4 42.6

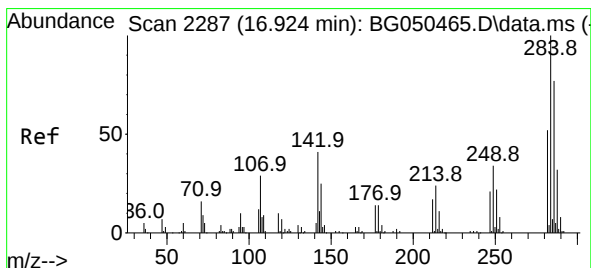
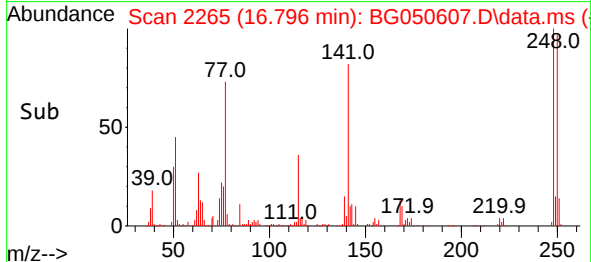
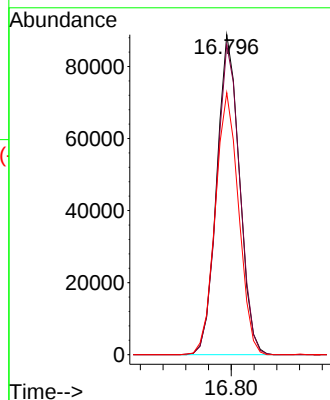
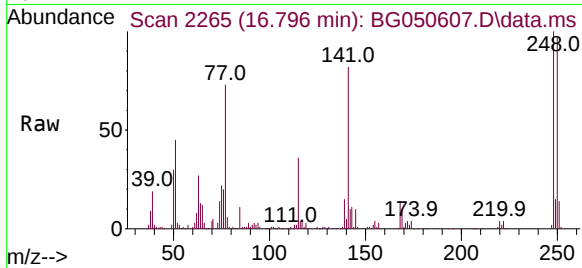




#67
4-Bromophenyl-phenylether
Concen: 47.508 ng
RT: 16.796 min Scan# 2265
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

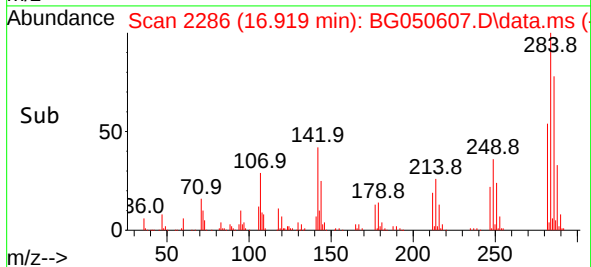
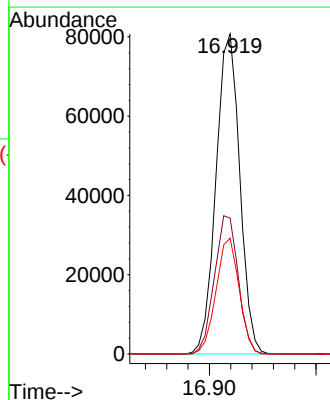
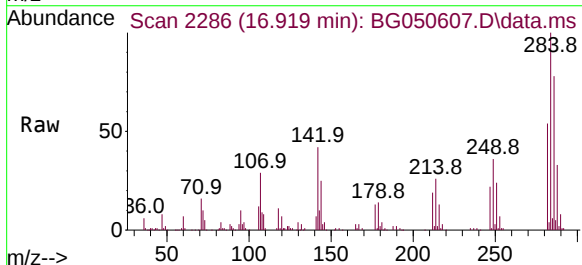
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

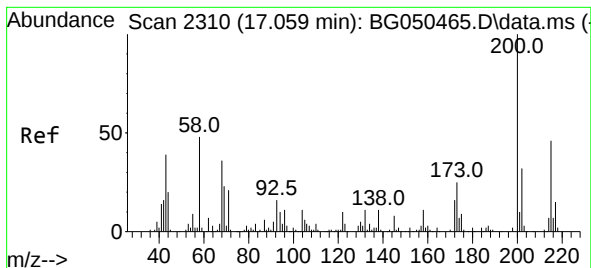
Tgt Ion:248 Resp: 123066
Ion Ratio Lower Upper
248 100
250 96.9 76.1 114.1
141 81.9 65.4 98.2



#68
Hexachlorobenzene
Concen: 48.506 ng
RT: 16.919 min Scan# 2286
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:284 Resp: 124883
Ion Ratio Lower Upper
284 100
142 42.5 27.0 40.6#
249 36.2 28.2 42.2

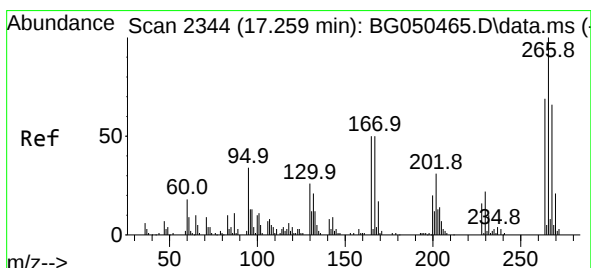
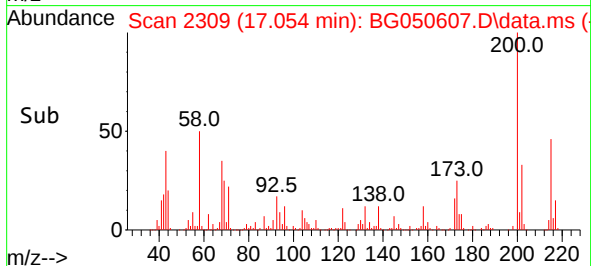
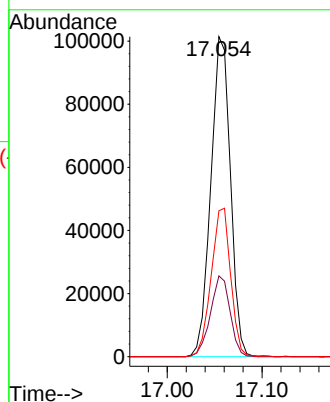
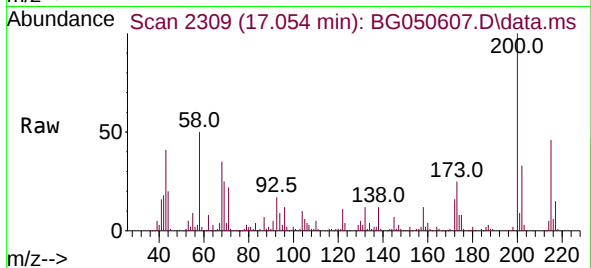




#69
 Atrazine
 Concen: 50.492 ng
 RT: 17.054 min Scan# 2309
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

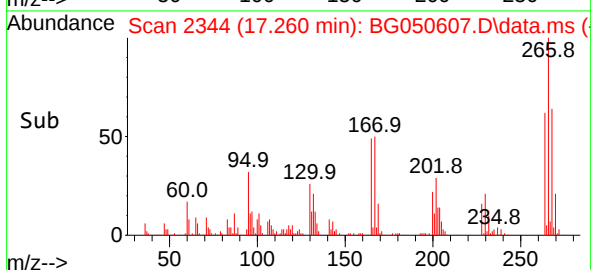
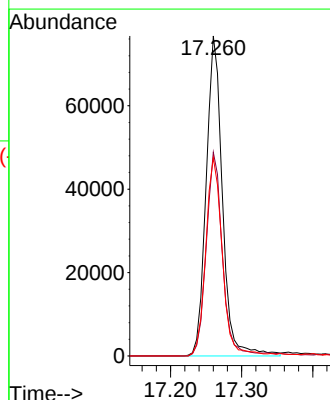
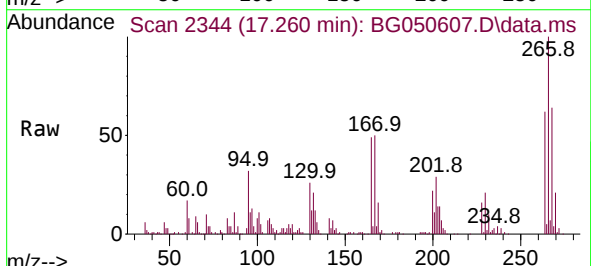
Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE MS

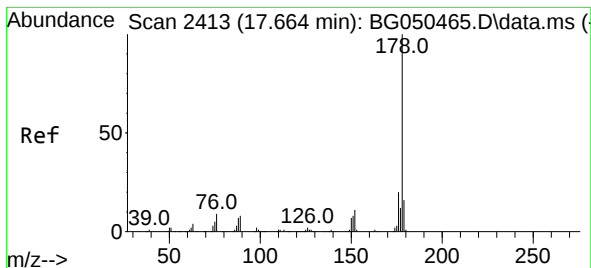
Tgt Ion:200 Resp: 145284
 Ion Ratio Lower Upper
 200 100
 173 25.3 3.7 43.7
 215 45.6 26.9 66.9



#70
 Pentachlorophenol
 Concen: 69.864 ng
 RT: 17.260 min Scan# 2344
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

Tgt Ion:266 Resp: 122447
 Ion Ratio Lower Upper
 266 100
 268 63.7 49.0 73.4
 264 62.0 49.0 73.6

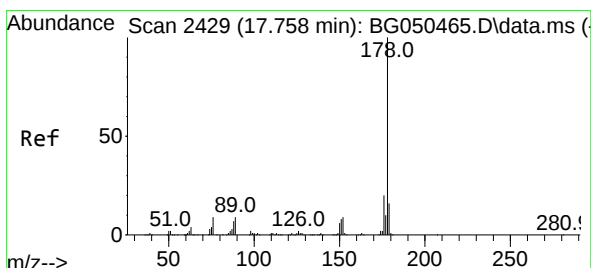
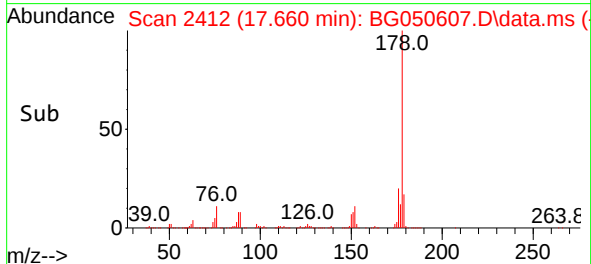
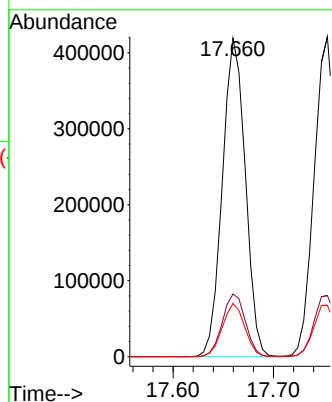
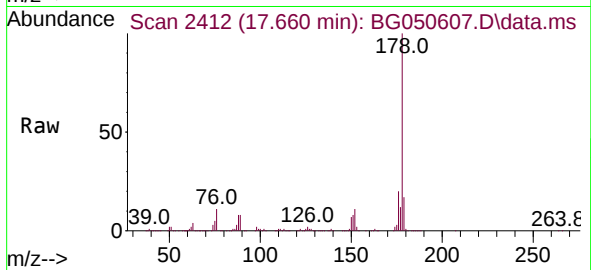




#71
Phenanthrene
Concen: 49.087 ng
RT: 17.660 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

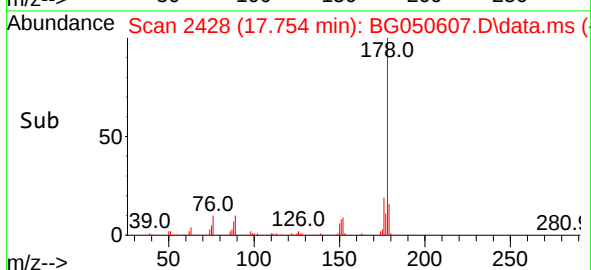
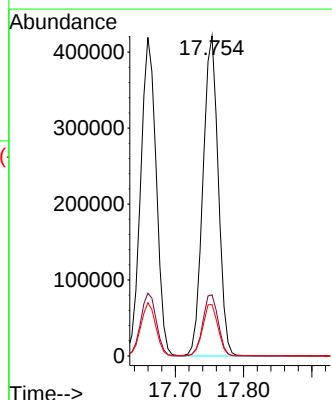
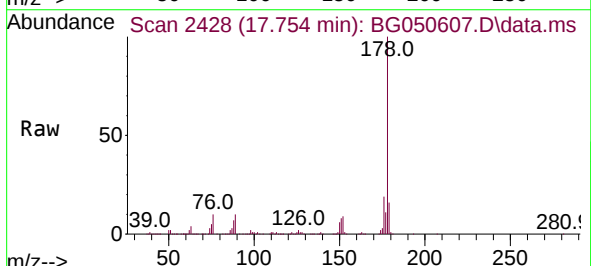
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

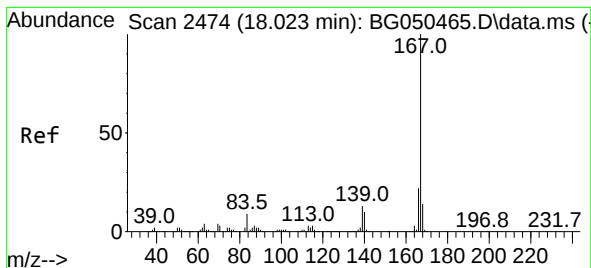
Tgt Ion:178 Resp: 664952
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.7 14.2 21.4



#72
Anthracene
Concen: 48.771 ng
RT: 17.754 min Scan# 2428
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:178 Resp: 656519
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 16.1 13.4 20.0





#73

Carbazole

Concen: 45.809 ng

RT: 18.018 min Scan# 2473

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

Instrument :

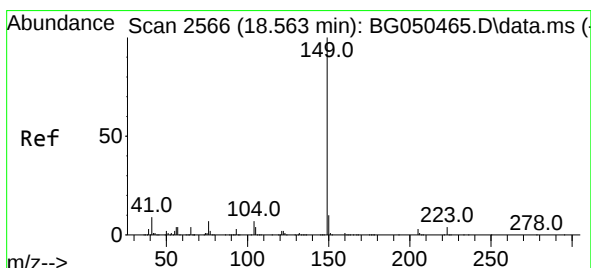
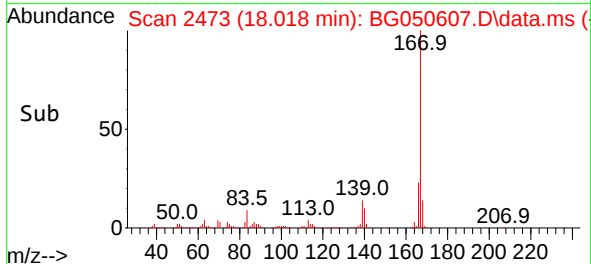
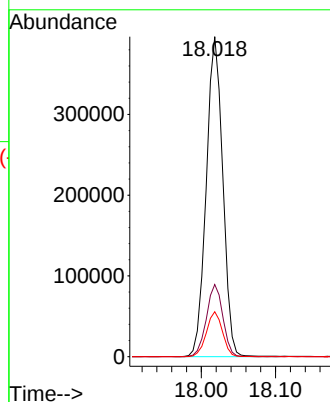
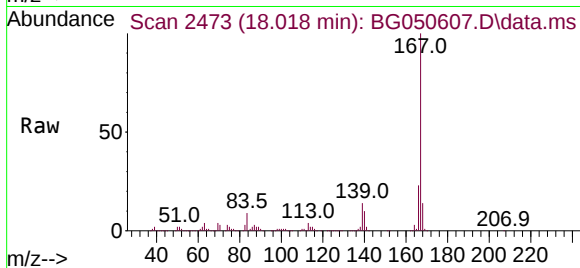
BNA_G

ClientSampleId :

HAR-SOILPILE MS

Tgt Ion:167 Resp: 614584

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.4	26.2
139	14.1	10.7	16.1



#74

Di-n-butylphthalate

Concen: 47.810 ng

RT: 18.553 min Scan# 2564

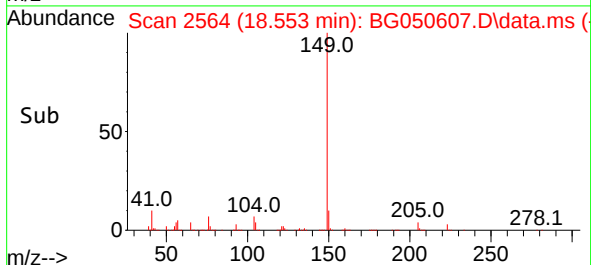
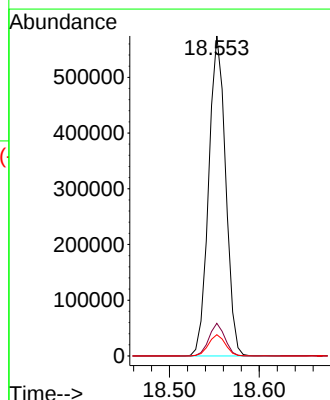
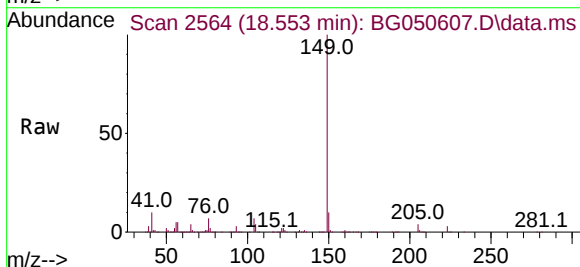
Delta R.T. -0.005 min

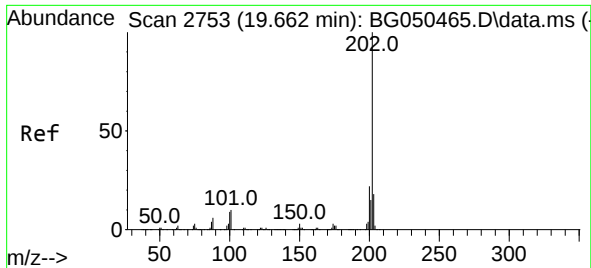
Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

Tgt Ion:149 Resp: 752756

Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.5	11.3
104	6.7	6.6	10.0

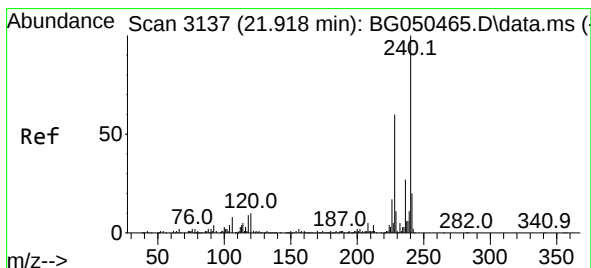
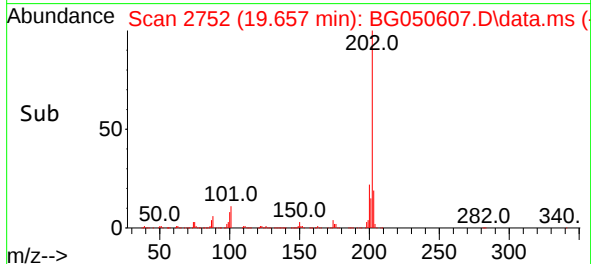
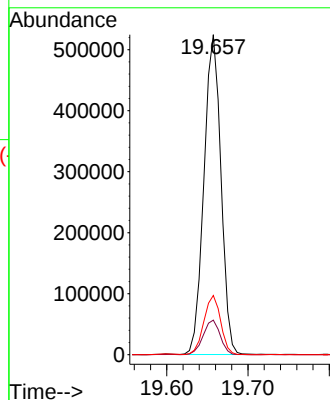
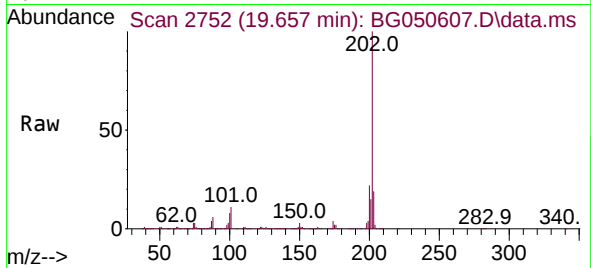




#75
Fluoranthene
Concen: 45.658 ng
RT: 19.657 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

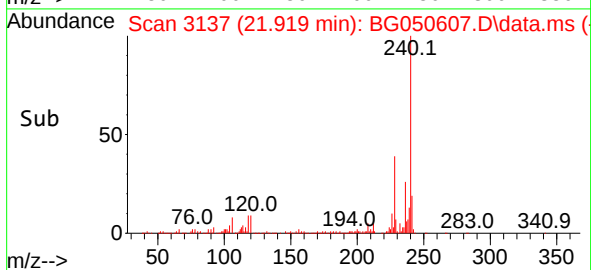
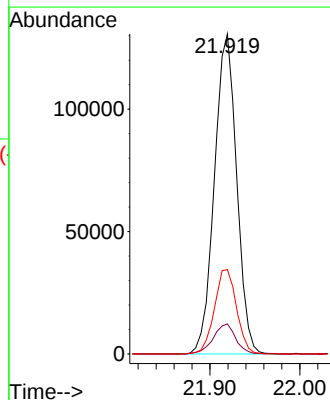
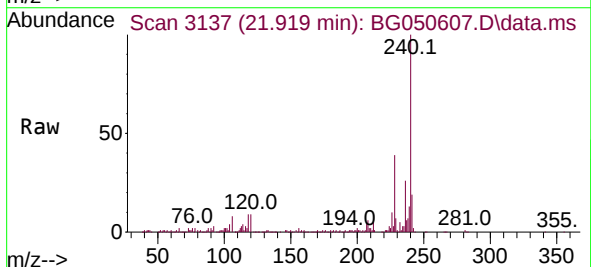
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

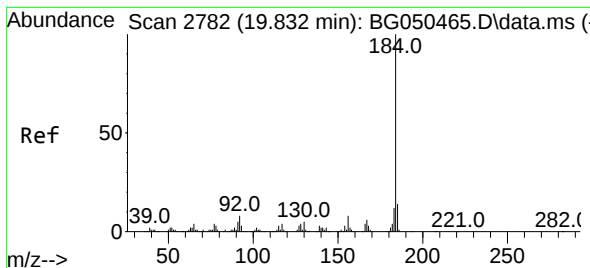
Tgt Ion:202 Resp: 760302
Ion Ratio Lower Upper
202 100
101 10.8 0.0 24.7
203 18.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:240 Resp: 224458
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 26.4 21.8 32.6





#77

Benzidine

Concen: 20.197 ng

RT: 19.828 min Scan# 2781

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

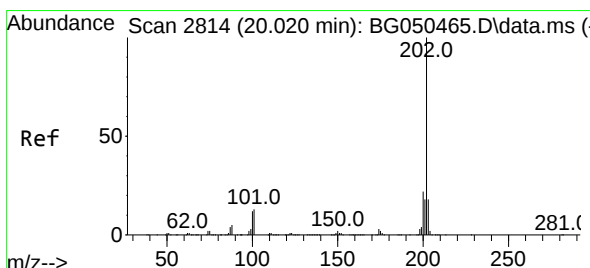
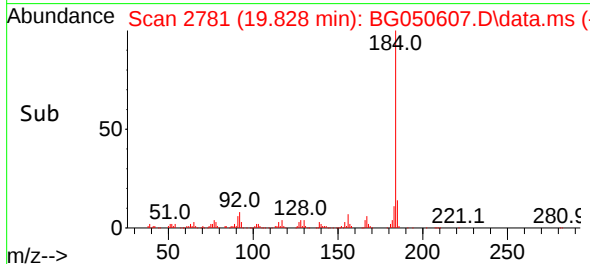
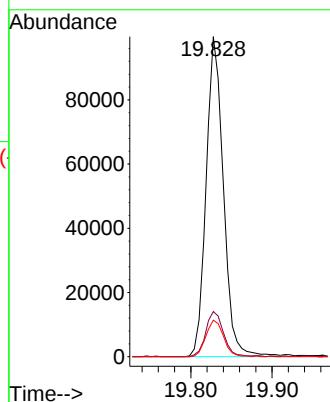
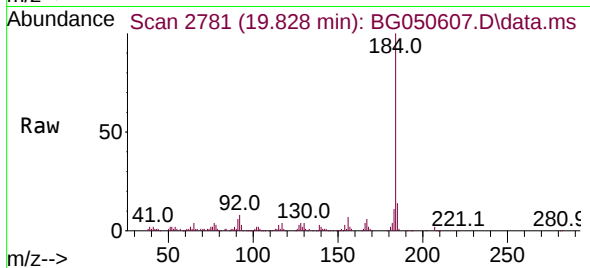
Tgt Ion:184 Resp: 146930

Ion Ratio Lower Upper

184 100

185 14.1 10.7 16.1

183 11.4 9.4 14.0



#78

Pyrene

Concen: 48.255 ng

RT: 20.016 min Scan# 2813

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

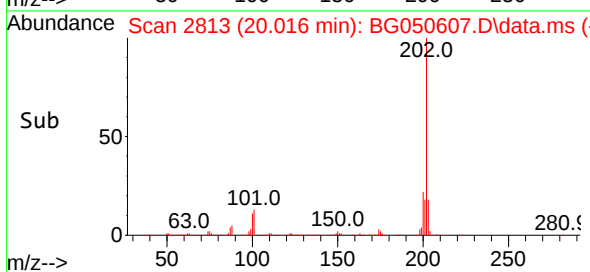
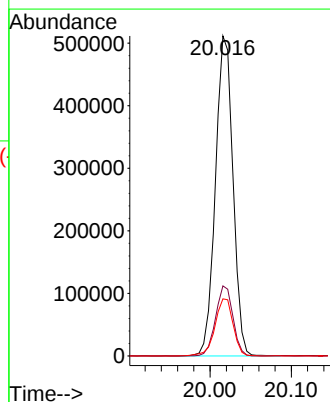
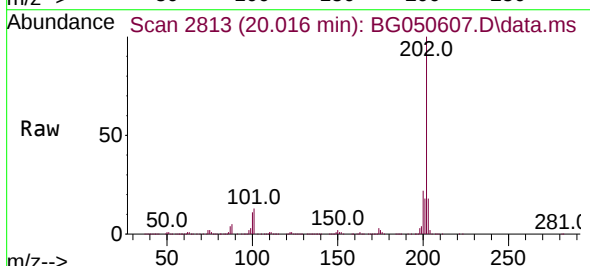
Tgt Ion:202 Resp: 768474

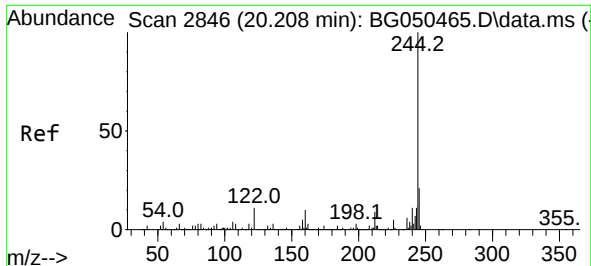
Ion Ratio Lower Upper

202 100

200 21.9 15.8 23.8

203 17.9 14.6 21.8

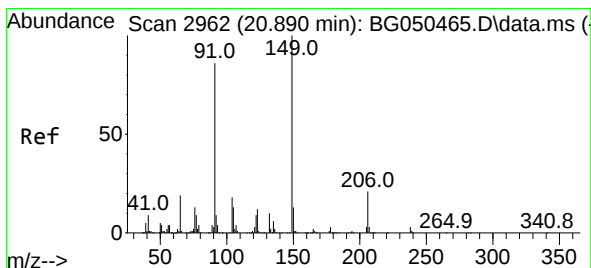
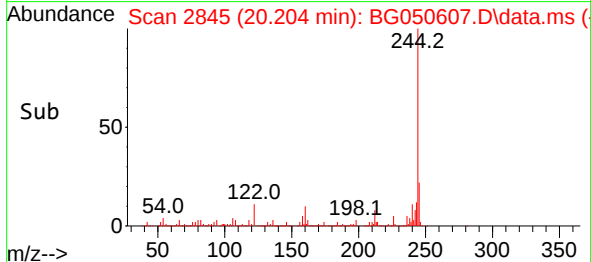
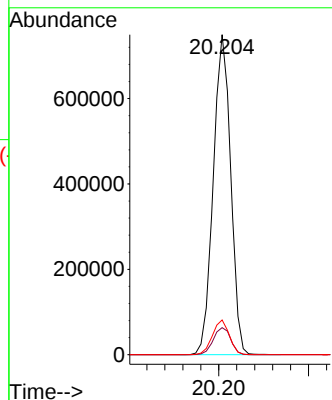
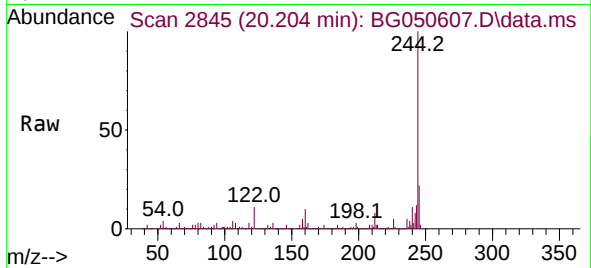




#79
 Terphenyl-d14
 Concen: 87.630 ng
 RT: 20.204 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

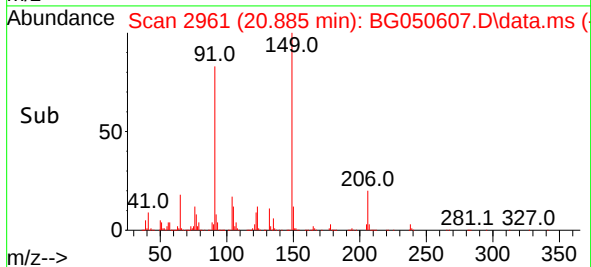
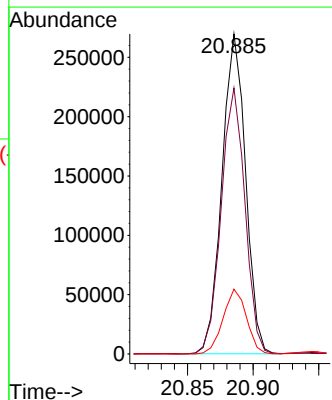
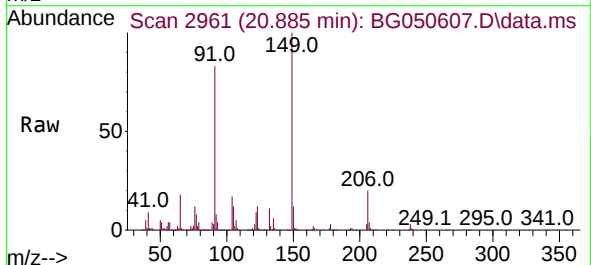
Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE MS

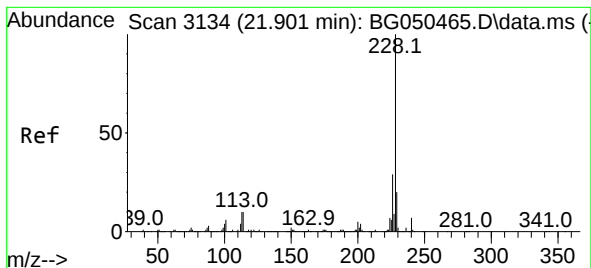
Tgt Ion:244 Resp: 1009291
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 10.9 5.0 7.6#



#80
 Butylbenzylphthalate
 Concen: 49.972 ng
 RT: 20.885 min Scan# 2961
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

Tgt Ion:149 Resp: 336617
 Ion Ratio Lower Upper
 149 100
 91 83.1 63.4 95.2
 206 20.3 18.4 27.6





#81

Benzo(a)anthracene

Concen: 47.073 ng

RT: 21.896 min Scan# 3133

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

Tgt Ion:228 Resp: 699128

Ion Ratio Lower Upper

228 100

226 28.9 22.7 34.1

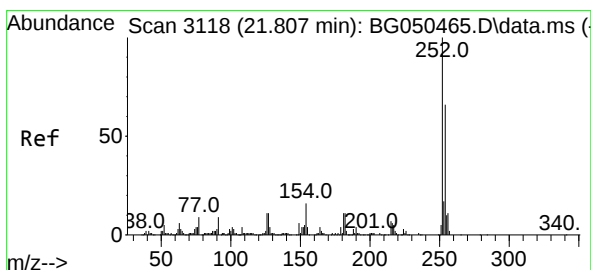
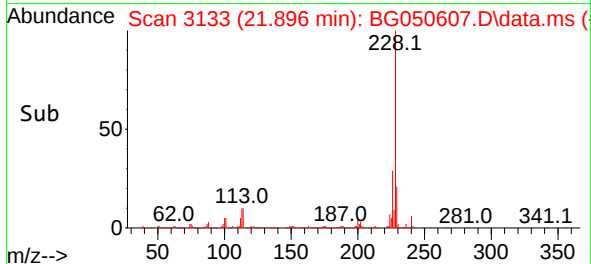
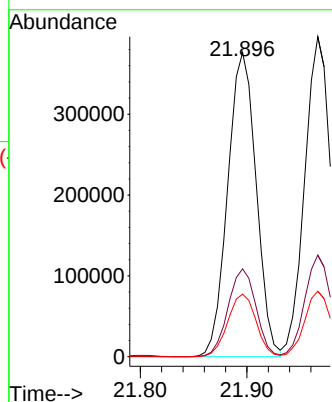
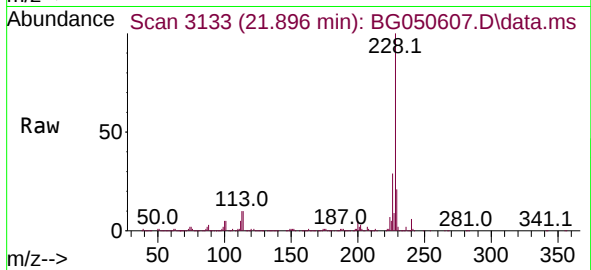
229 20.6 16.0 24.0

Instrument :

BNA_G

ClientSampleId :

HAR-SOILPILE MS



#82

3,3'-Dichlorobenzidine

Concen: 32.412 ng

RT: 21.802 min Scan# 3117

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

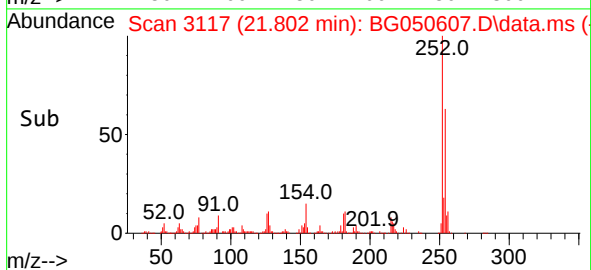
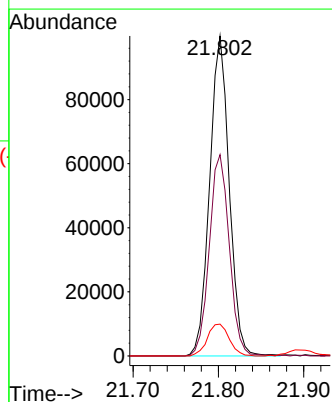
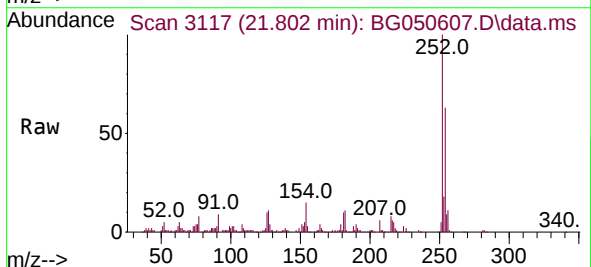
Tgt Ion:252 Resp: 159537

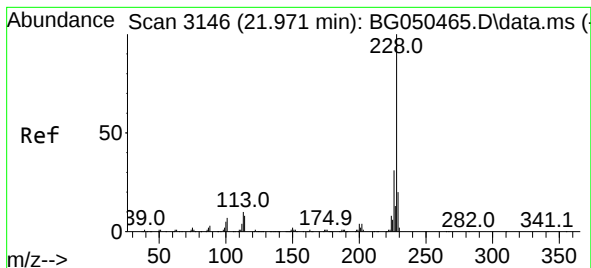
Ion Ratio Lower Upper

252 100

254 62.9 52.4 78.6

126 9.9 5.9 8.9#





#83

Chrysene

Concen: 48.074 ng

RT: 21.966 min Scan# 3145

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

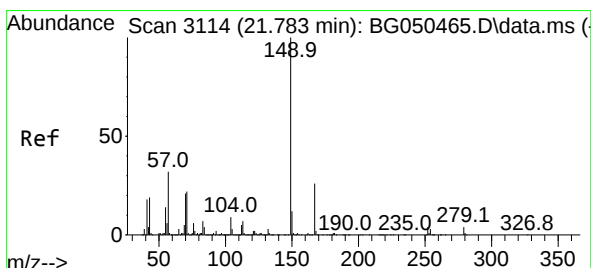
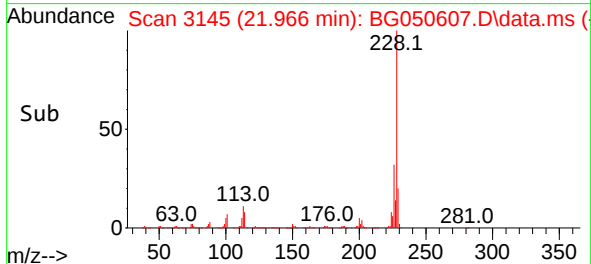
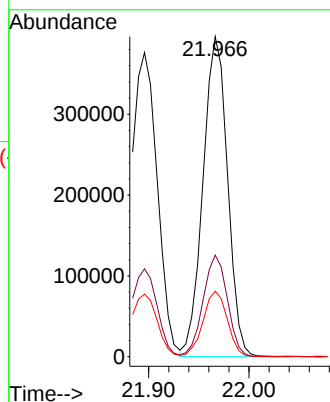
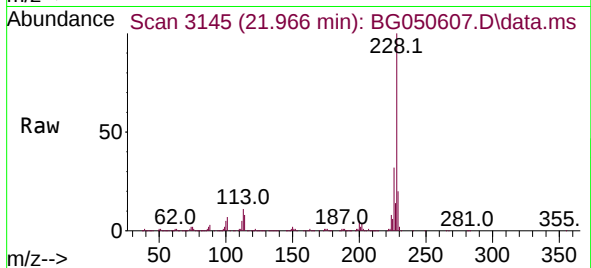
Tgt Ion:228 Resp: 671619

Ion Ratio Lower Upper

228 100

226 31.7 23.1 34.7

229 20.4 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.967 ng

RT: 21.772 min Scan# 3112

Delta R.T. -0.005 min

Lab File: BG050607.D

Acq: 15 Oct 2021 17:26

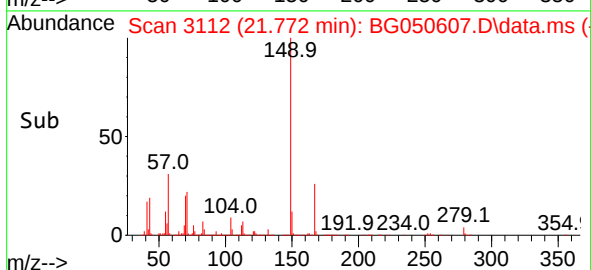
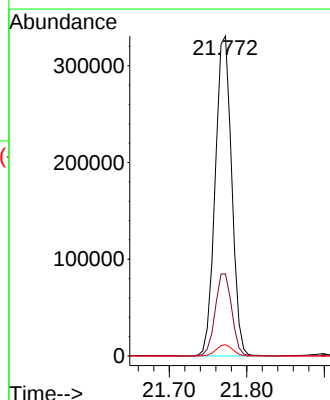
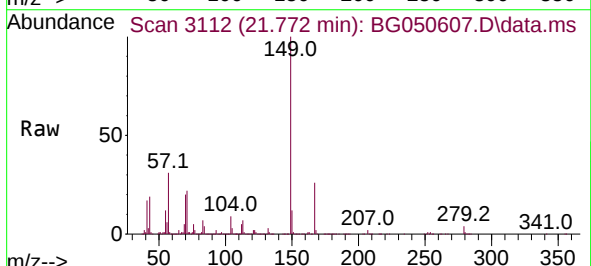
Tgt Ion:149 Resp: 487816

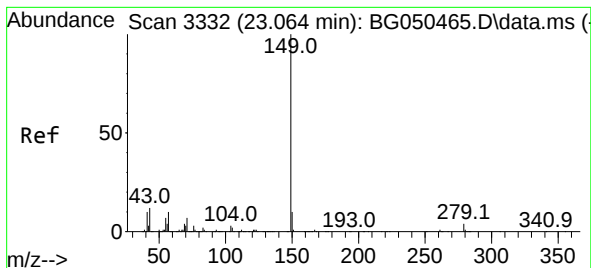
Ion Ratio Lower Upper

149 100

167 25.6 22.3 33.5

279 3.5 3.8 5.8#

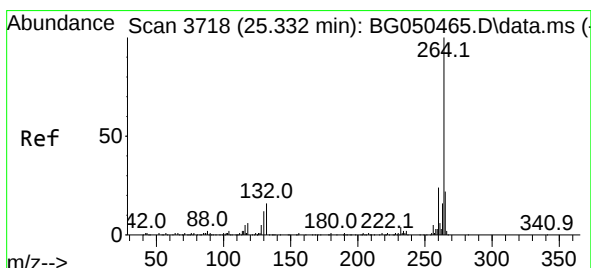
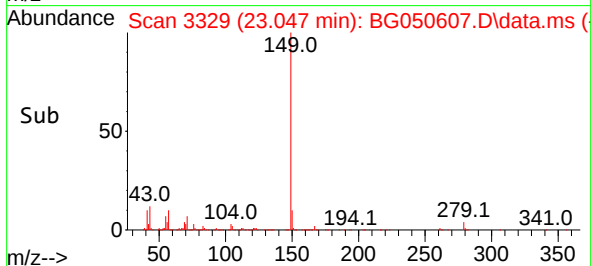
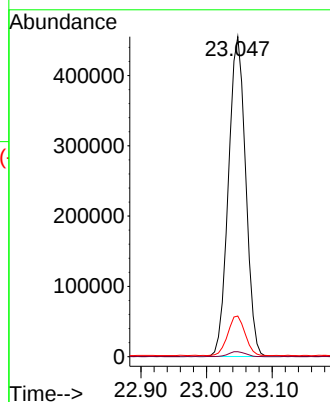
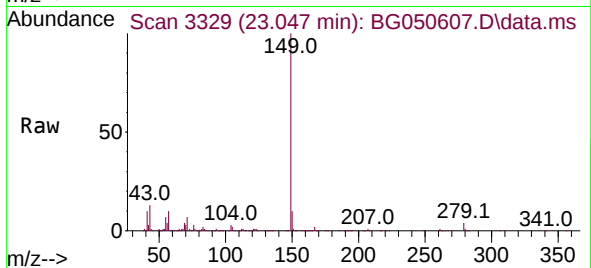




#85
Di-n-octyl phthalate
Concen: 52.013 ng
RT: 23.047 min Scan# 3329
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

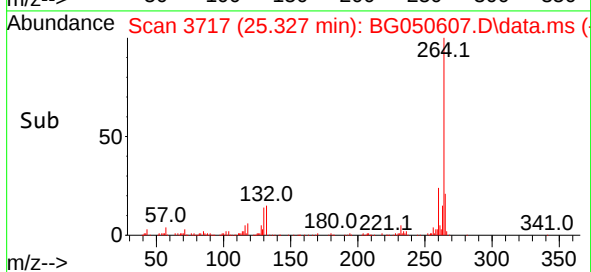
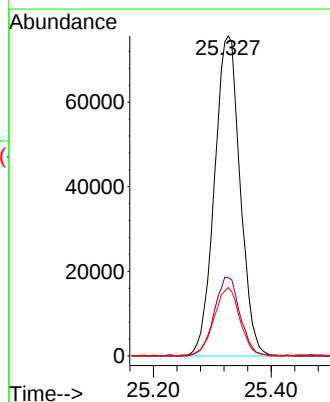
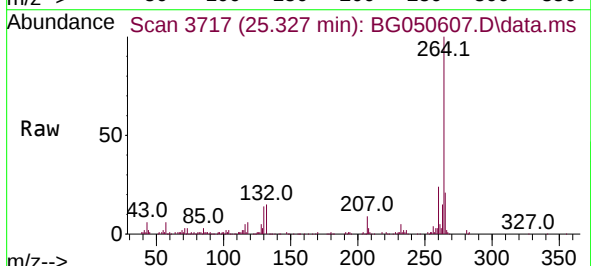
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

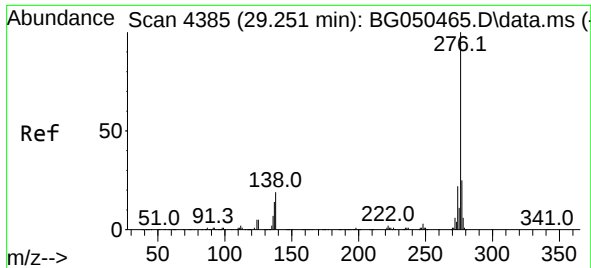
Tgt Ion:149 Resp: 830312
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.2
43 12.4 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:264 Resp: 228426
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 21.4 16.9 25.3

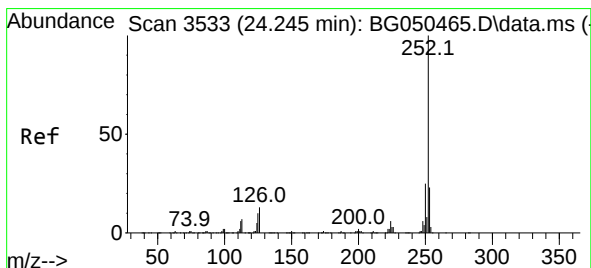
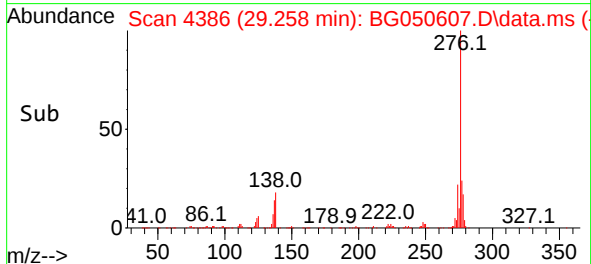
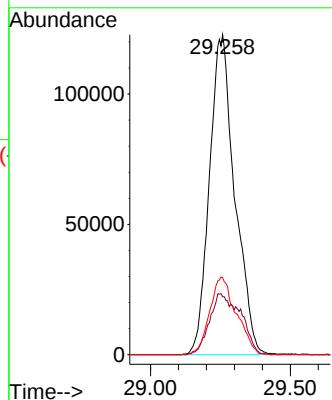
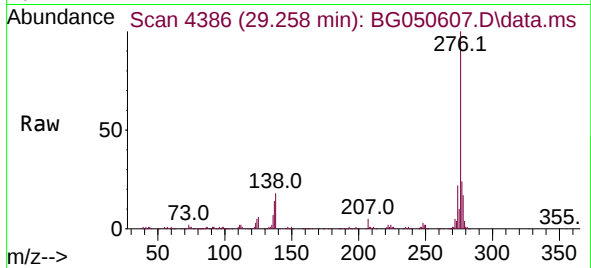




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.636 ng
 RT: 29.258 min Scan# 4386
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

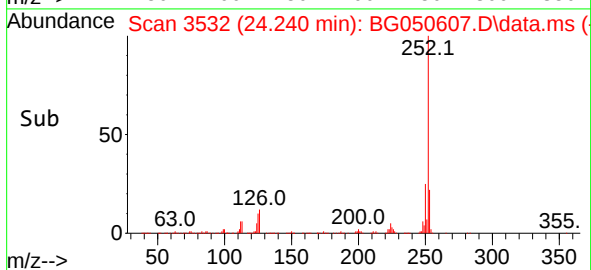
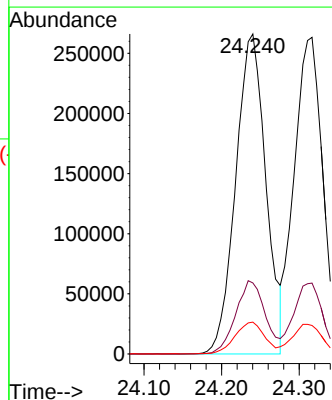
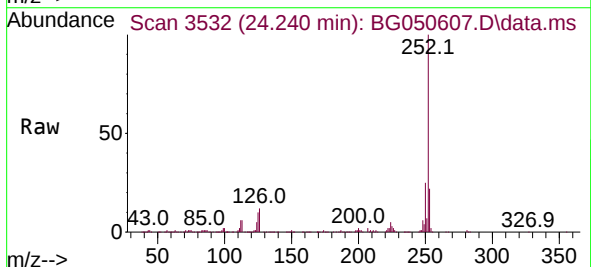
Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE MS

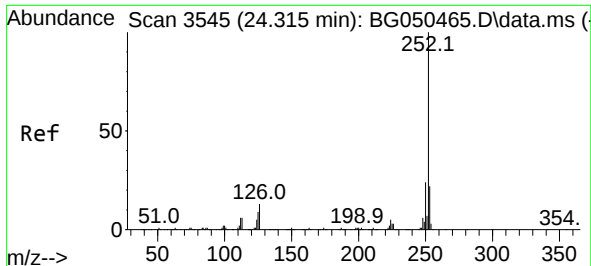
Tgt Ion:276 Resp: 773803
 Ion Ratio Lower Upper
 276 100
 138 23.5 5.1 7.7#
 277 25.5 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 51.358 ng
 RT: 24.240 min Scan# 3532
 Delta R.T. -0.005 min
 Lab File: BG050607.D
 Acq: 15 Oct 2021 17:26

Tgt Ion:252 Resp: 718467
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.2 24.4
 125 9.9 3.0 4.4#

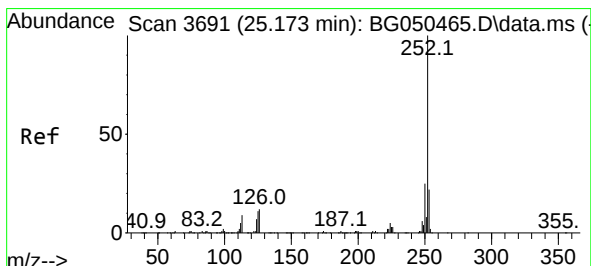
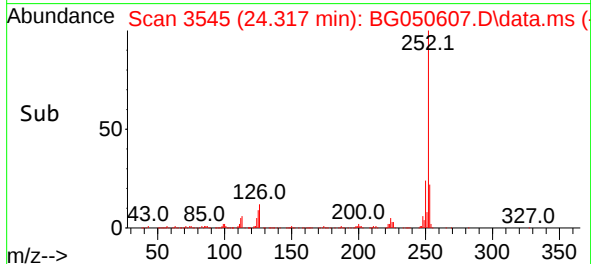
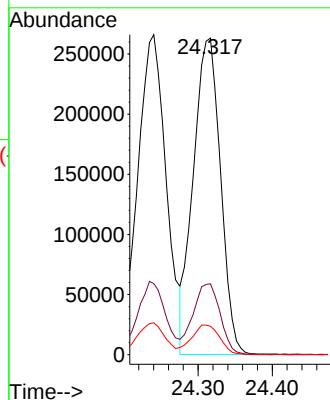
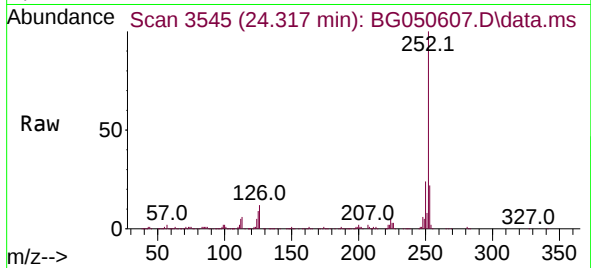




#89
Benzo(k)fluoranthene
Concen: 48.636 ng
RT: 24.317 min Scan# 3545
Delta R.T. 0.001 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

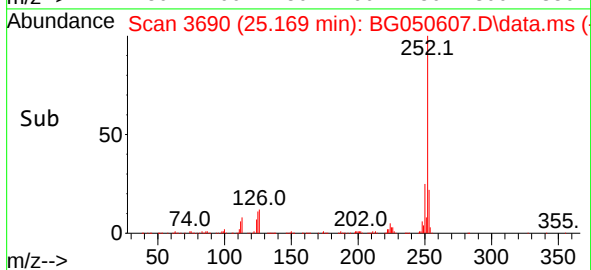
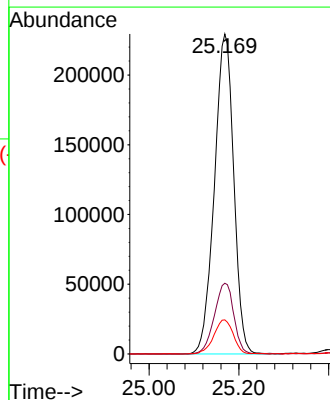
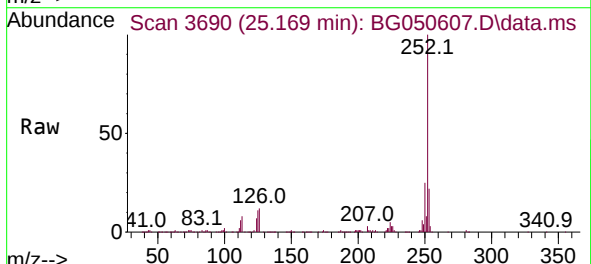
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

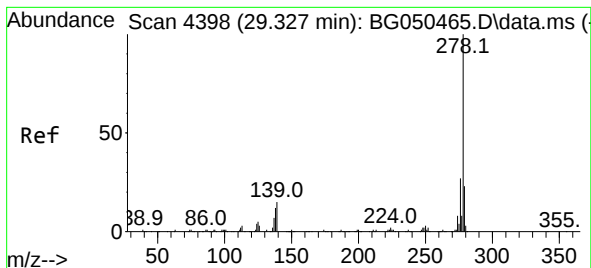
Tgt Ion:252 Resp: 669356
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 9.0 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 57.571 ng
RT: 25.169 min Scan# 3690
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:252 Resp: 684765
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 10.7 3.5 5.3#

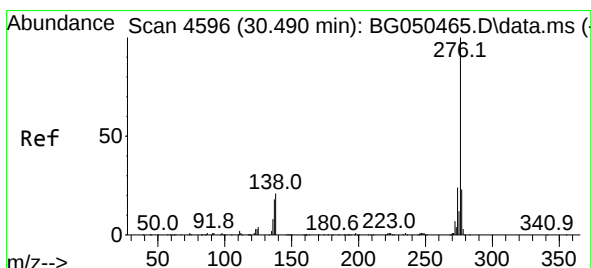
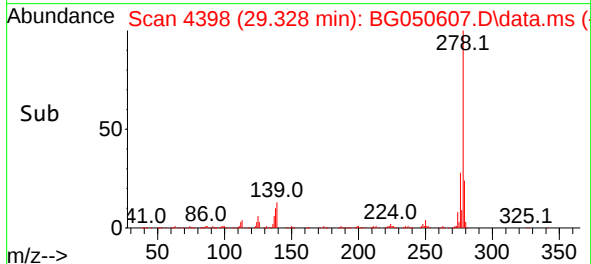
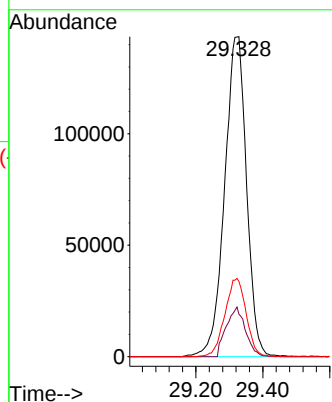
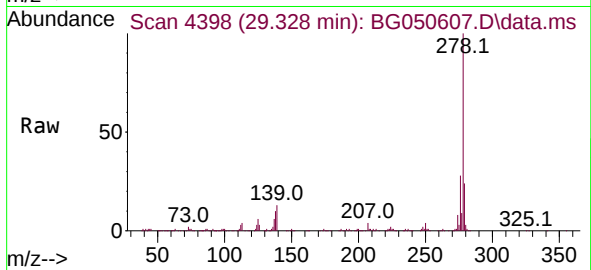




#91
Dibenzo(a,h)anthracene
Concen: 49.644 ng
RT: 29.328 min Scan# 4398
Delta R.T. -0.005 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MS

Tgt Ion:278 Resp: 653289
Ion Ratio Lower Upper
278 100
139 13.3 4.6 6.8#
279 23.5 17.9 26.9



#92
Benzo(g,h,i)perylene
Concen: 50.267 ng
RT: 30.486 min Scan# 4595
Delta R.T. -0.011 min
Lab File: BG050607.D
Acq: 15 Oct 2021 17:26

Tgt Ion:276 Resp: 647861
Ion Ratio Lower Upper
276 100
277 22.6 18.4 27.6
138 19.4 7.0 10.6#

