

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
 Data File : BG050608.D
 Acq On : 15 Oct 2021 18:08
 Operator : CG/JU
 Sample : M4195-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAR-SOILPILE MSD

Quant Time: Oct 18 06:32:20 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	8.260	152	44292	20.000	ng	0.00
21) Naphthalene-d8	11.080	136	183479	20.000	ng	# 0.00
39) Acenaphthene-d10	14.876	164	123346	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	270713	20.000	ng	# 0.00
76) Chrysene-d12	21.920	240	232005	20.000	ng	# 0.00
86) Perylene-d12	25.328	264	238250	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	395601	133.576	ng	0.00
7) Phenol-d6	7.402	99	506026	118.013	ng	0.00
23) Nitrobenzene-d5	9.429	82	399074	90.037	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	162603	138.209	ng	0.00
45) 2-Fluorobiphenyl	13.501	172	713386	87.045	ng	0.00
79) Terphenyl-d14	20.205	244	1048739	88.093	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.665	88	57120	37.239	ng	# 25
3) Pyridine	4.076	79	108939	25.998	ng	94
4) n-Nitrosodimethylamine	3.982	42	91032	46.100	ng	# 47
6) Aniline	7.578	93	149146	29.938	ng	95
8) 2-Chlorophenol	7.819	128	152283	53.404	ng	87
9) Benzaldehyde	7.390	77	109485	40.570	ng	92
10) Phenol	7.431	94	189994	45.572	ng	86
11) bis(2-Chloroethyl)ether	7.666	93	153875	47.288	ng	87
12) 1,3-Dichlorobenzene	8.142	146	153314	46.576	ng	97
13) 1,4-Dichlorobenzene	8.295	146	155024	46.715	ng	97
14) 1,2-Dichlorobenzene	8.612	146	149453	47.151	ng	96
15) Benzyl Alcohol	8.495	79	178546	52.692	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.777	45	251179	47.331	ng	85
17) 2-Methylphenol	8.689	107	142761	52.042	ng	92
18) Hexachloroethane	9.347	117	60567	48.224	ng	91
19) n-Nitroso-di-n-propyla...	9.059	70	150141	48.040	ng	# 90
20) 3+4-Methylphenols	9.018	107	193679	50.160	ng	95
22) Acetophenone	9.082	105	243741	46.727	ng	# 97
24) Nitrobenzene	9.476	77	213107	48.355	ng	96
25) Isophorone	9.993	82	383908	48.833	ng	# 96
26) 2-Nitrophenol	10.181	139	86829	53.656	ng	# 92
27) 2,4-Dimethylphenol	10.234	122	159222	56.949	ng	93
28) bis(2-Chloroethoxy)met...	10.469	93	215881	48.025	ng	93
29) 2,4-Dichlorophenol	10.722	162	151996	53.339	ng	96
30) 1,2,4-Trichlorobenzene	10.939	180	145531	44.958	ng	99
31) Naphthalene	11.133	128	616564	62.780	ng	98
32) Benzoic acid	10.304	122	10344	4.985	ng	# 79
33) 4-Chloroaniline	11.239	127	38457	9.333	ng	96
34) Hexachlorobutadiene	11.403	225	91428	44.989	ng	92
35) Caprolactam	12.014	113	45975	42.155	ng	# 63
36) 4-Chloro-3-methylphenol	12.337	107	187076	52.523	ng	# 91
37) 2-Methylnaphthalene	12.719	142	370015	54.604	ng	96
38) 1-Methylnaphthalene	12.937	142	349395	53.173	ng	91
40) 1,2,4,5-Tetrachloroben...	13.078	216	167208	45.905	ng	97
41) Hexachlorocyclopentadiene	13.054	237	199873	94.946	ng	91
43) 2,4,6-Trichlorophenol	13.313	196	124897	48.660	ng	94

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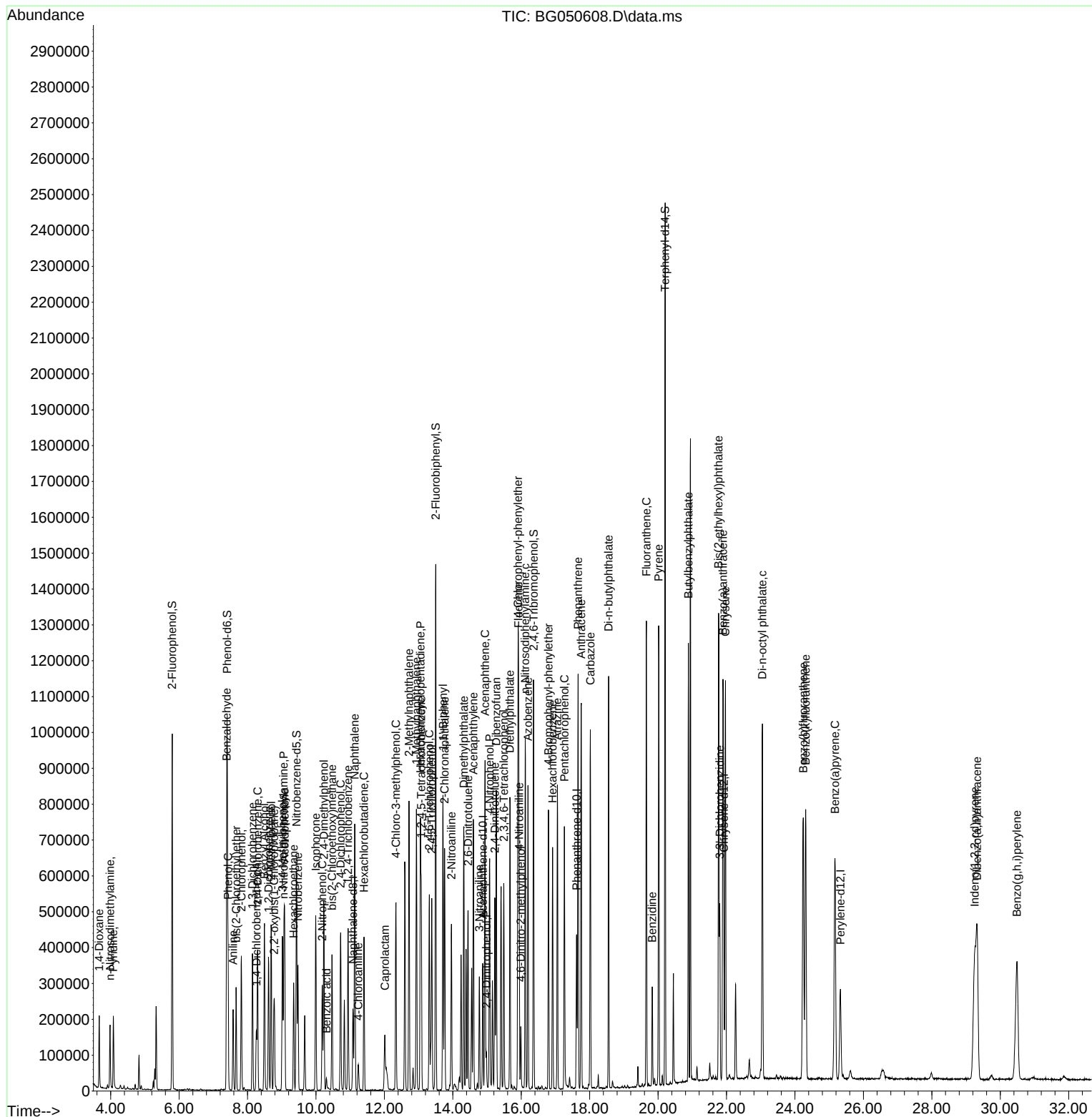
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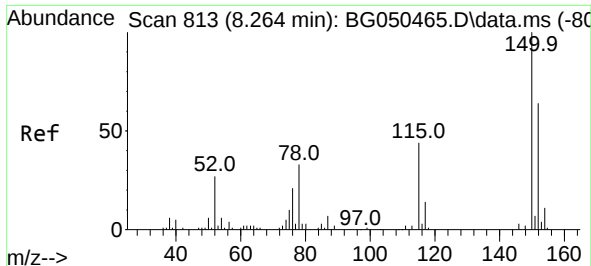
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.383	196	136862	51.001	ng	90
46) 1,1'-Biphenyl	13.712	154	416386	46.281	ng	94
47) 2-Chloronaphthalene	13.759	162	322478	46.680	ng	98
48) 2-Nitroaniline	13.959	65	144620	52.625	ng	97
49) Acenaphthylene	14.599	152	535916	47.345	ng	97
50) Dimethylphthalate	14.323	163	463291	49.692	ng	99
51) 2,6-Dinitrotoluene	14.447	165	95314	51.041	ng	90
52) Acenaphthene	14.940	154	333091	45.793	ng	89
53) 3-Nitroaniline	14.776	138	70554	31.941	ng	89
54) 2,4-Dinitrophenol	14.981	184	23127	19.963	ng	94
55) Dibenzofuran	15.269	168	512080	45.520	ng	99
56) 4-Nitrophenol	15.075	139	155645	87.597	ng	# 83
57) 2,4-Dinitrotoluene	15.228	165	136681	51.928	ng	92
58) Fluorene	15.921	166	419052	48.496	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.492	232	114097	48.810	ng	96
60) Diethylphthalate	15.669	149	466397	47.611	ng	97
61) 4-Chlorophenyl-phenyle...	15.904	204	220072	46.547	ng	97
62) 4-Nitroaniline	15.939	138	108353	47.148	ng	# 68
63) Azobenzene	16.197	77	520550	45.906	ng	83
65) 4,6-Dinitro-2-methylph...	15.986	198	35997	22.138	ng	88
66) n-Nitrosodiphenylamine	16.115	169	369676	48.059	ng	97
67) 4-Bromophenyl-phenylether	16.797	248	131841	48.330	ng	98
68) Hexachlorobenzene	16.914	284	132590	48.904	ng	# 90
69) Atrazine	17.055	200	152746	50.410	ng	98
70) Pentachlorophenol	17.261	266	123493	66.909	ng	94
71) Phenanthrene	17.660	178	696764	48.843	ng	98
72) Anthracene	17.754	178	695423	49.057	ng	98
73) Carbazole	18.019	167	640738	45.351	ng	99
74) Di-n-butylphthalate	18.554	149	789223	47.600	ng	98
75) Fluoranthene	19.658	202	795910	45.388	ng	95
77) Benzidine	19.829	184	154107	20.494	ng	97
78) Pyrene	20.017	202	803649	48.822	ng	96
80) Butylbenzylphthalate	20.886	149	350116	50.285	ng	93
81) Benzo(a)anthracene	21.897	228	730782	47.603	ng	100
82) 3,3'-Dichlorobenzidine	21.803	252	169076	33.233	ng	# 98
83) Chrysene	21.967	228	700905	48.538	ng	96
84) Bis(2-ethylhexyl)phtha...	21.767	149	508186	51.368	ng	# 96
85) Di-n-octyl phthalate	23.048	149	865155	52.432	ng	96
87) Indeno(1,2,3-cd)pyrene	29.253	276	816708	49.217	ng	# 96
88) Benzo(b)fluoranthene	24.241	252	763661	52.338	ng	# 93
89) Benzo(k)fluoranthene	24.311	252	703250	48.992	ng	# 96
90) Benzo(a)pyrene	25.169	252	718004	57.876	ng	# 93
91) Dibenzo(a,h)anthracene	29.323	278	685407	49.937	ng	# 92
92) Benzo(g,h,i)perylene	30.487	276	679772	50.568	ng	# 88

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

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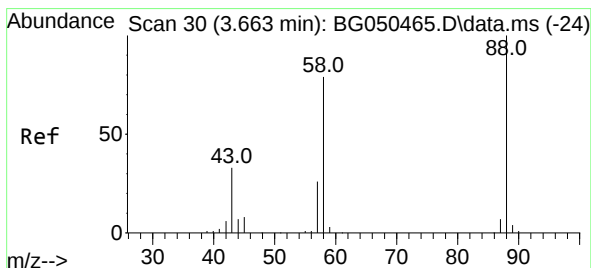
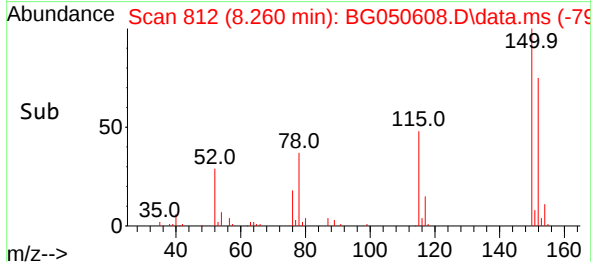
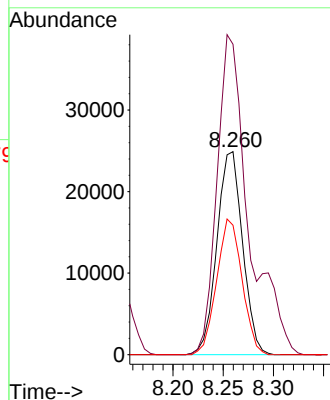
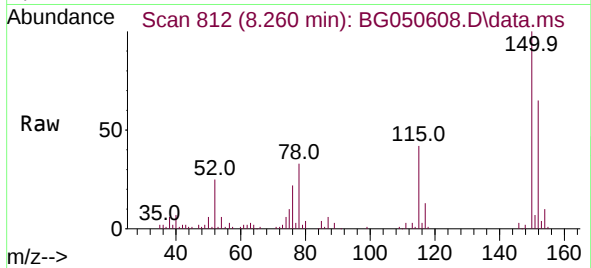




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.260 min Scan# 812
Delta R.T. 0.002 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

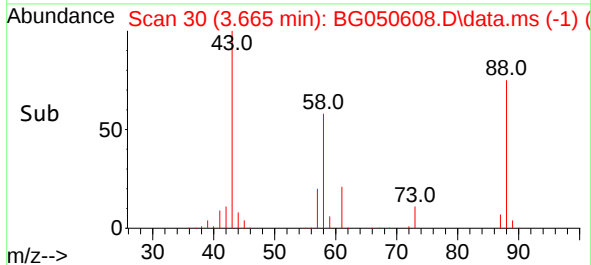
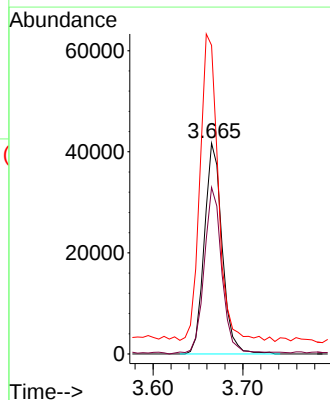
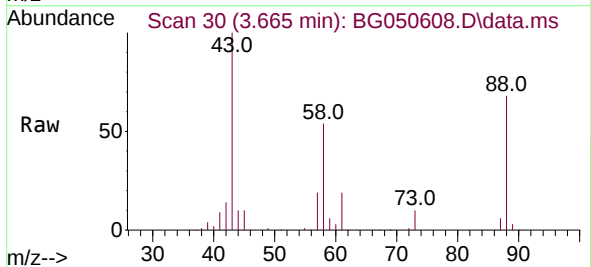
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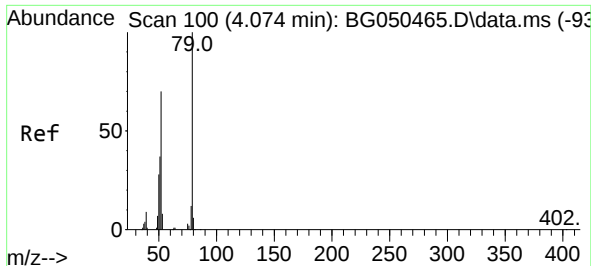
Tgt Ion:152 Resp: 44292
Ion Ratio Lower Upper
152 100
150 152.9 119.4 179.0
115 63.7 60.2 90.4



#2
1,4-Dioxane
Concen: 37.239 ng
RT: 3.665 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion: 88 Resp: 57120
Ion Ratio Lower Upper
88 100
58 80.2 55.7 83.5
43 150.5 29.3 43.9#

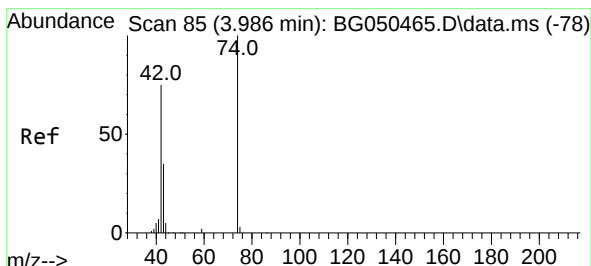
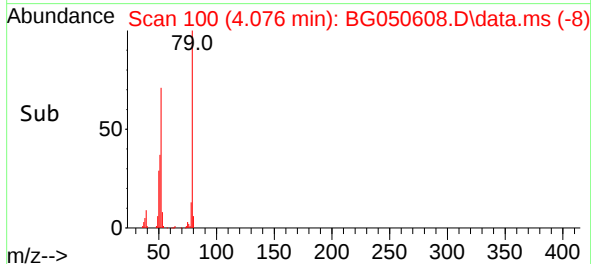
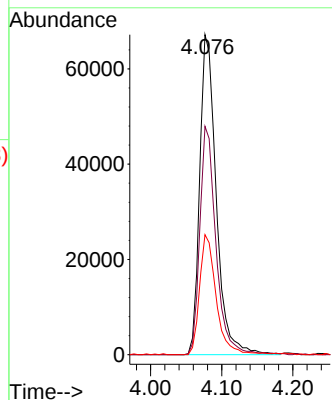
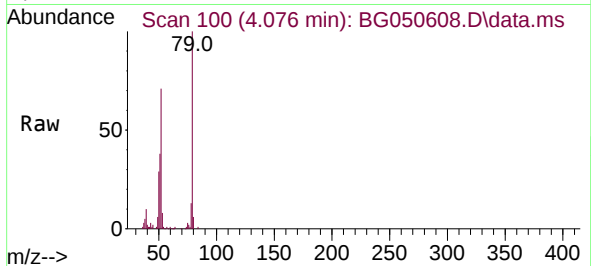




#3
Pyridine
Concen: 25.998 ng
RT: 4.076 min Scan# 100
Delta R.T. 0.013 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

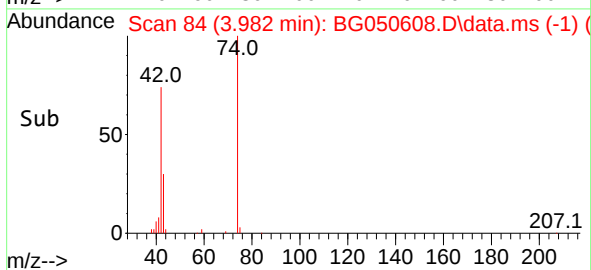
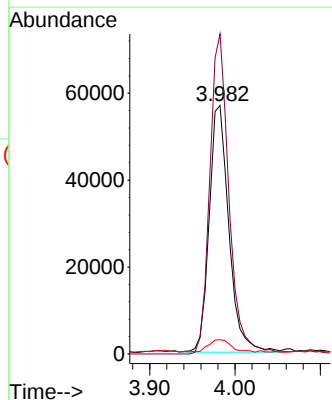
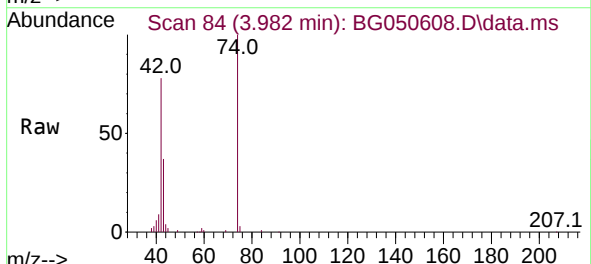
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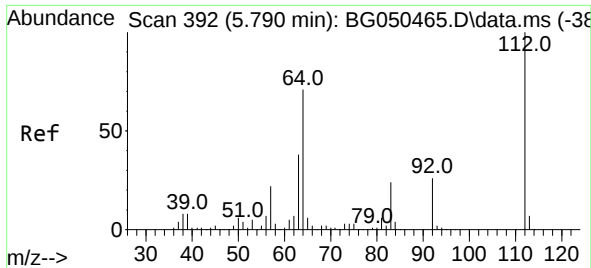
Tgt Ion: 79 Resp: 108939
Ion Ratio Lower Upper
79 100
52 71.3 58.4 87.6
51 37.5 37.0 55.6



#4
n-Nitrosodimethylamine
Concen: 46.100 ng
RT: 3.982 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion: 42 Resp: 91032
Ion Ratio Lower Upper
42 100
74 128.8 64.0 96.0#
44 5.8 2.7 4.1#

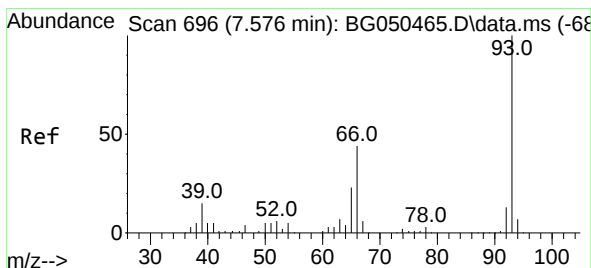
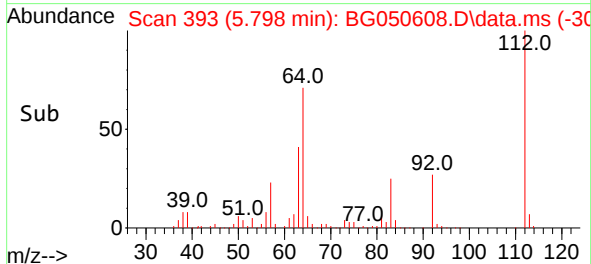
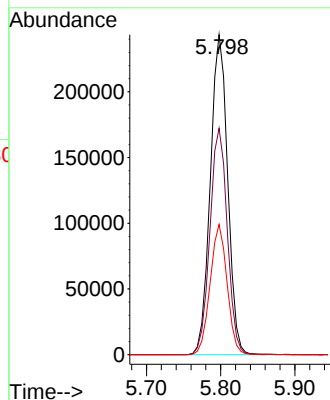
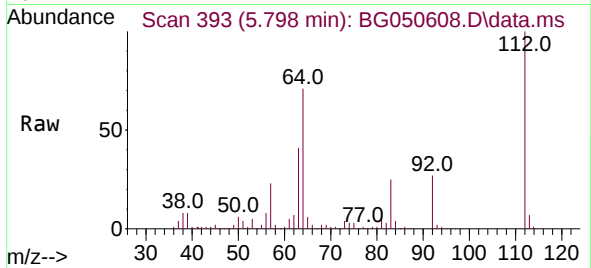




#5
2-Fluorophenol
Concen: 133.576 ng
RT: 5.798 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

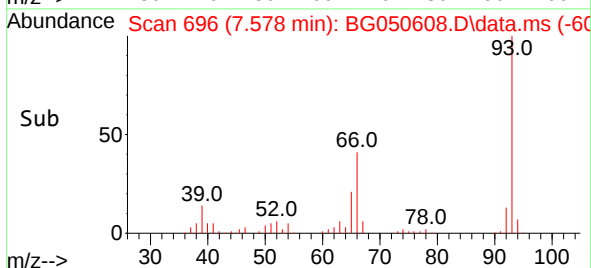
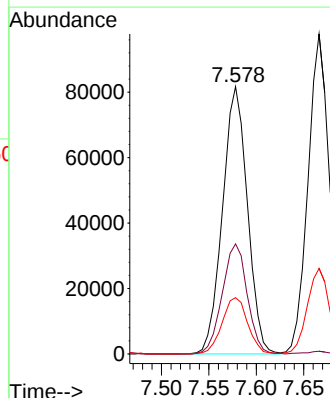
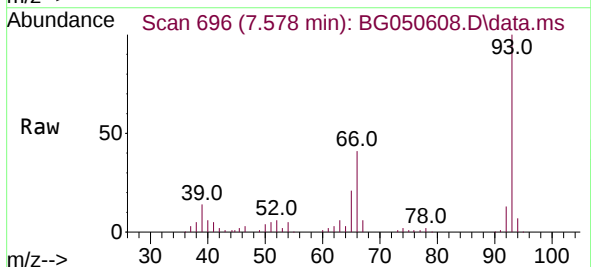
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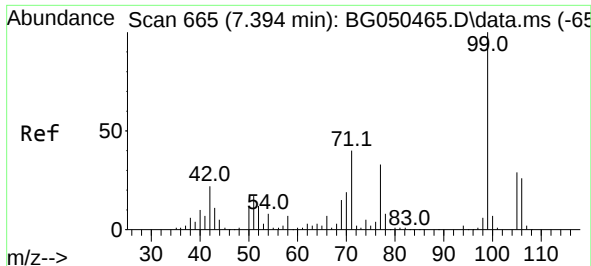
Tgt Ion:112 Resp: 395601
Ion Ratio Lower Upper
112 100
64 70.7 46.7 70.1#
63 40.7 35.3 52.9



#6
Aniline
Concen: 29.938 ng
RT: 7.578 min Scan# 696
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion: 93 Resp: 149146
Ion Ratio Lower Upper
93 100
66 41.2 30.6 45.8
65 21.1 15.0 22.4

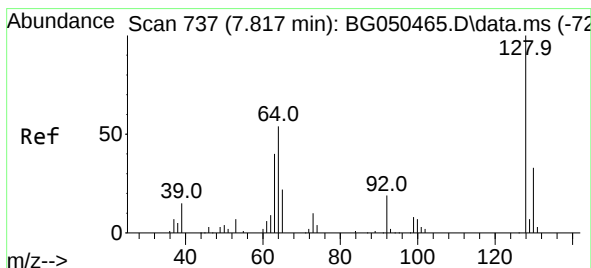
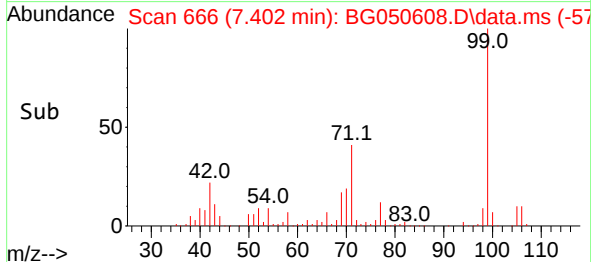
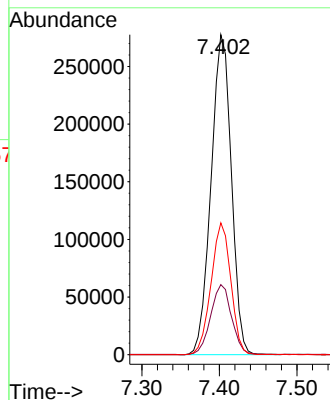
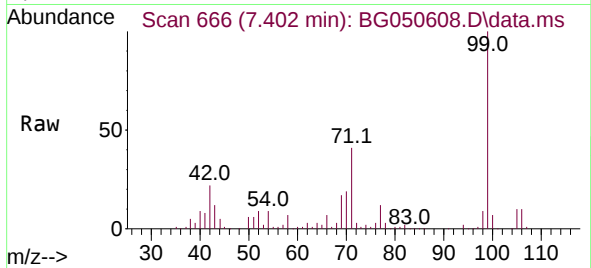




#7
Phenol-d6
Concen: 118.013 ng
RT: 7.402 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

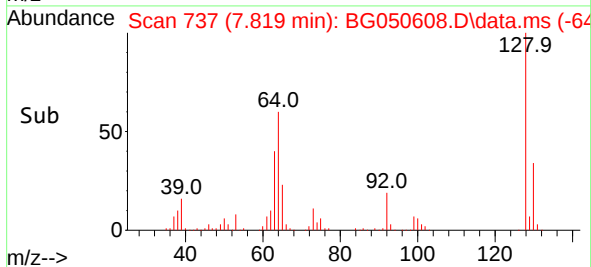
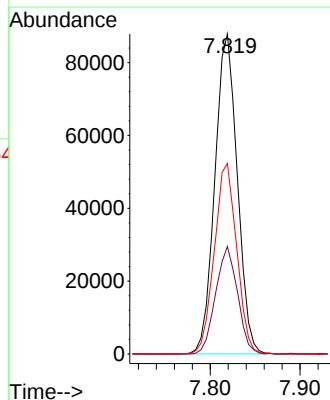
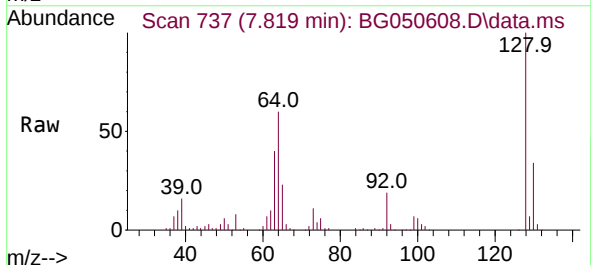
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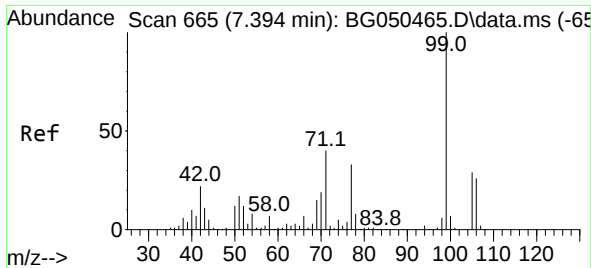
Tgt Ion: 99 Resp: 506026
Ion Ratio Lower Upper
99 100
42 21.9 20.5 30.7
71 41.2 41.5 62.3#



#8
2-Chlorophenol
Concen: 53.404 ng
RT: 7.819 min Scan# 737
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:128 Resp: 152283
Ion Ratio Lower Upper
128 100
130 33.6 10.0 50.0
64 59.6 28.1 68.1

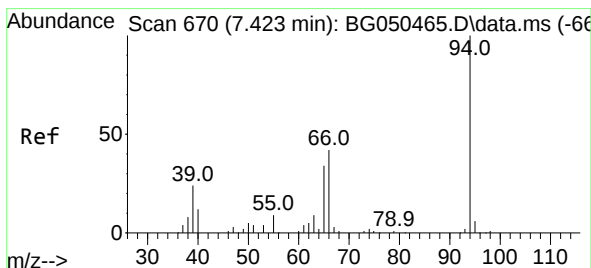
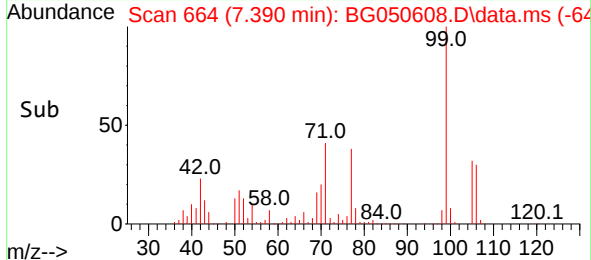
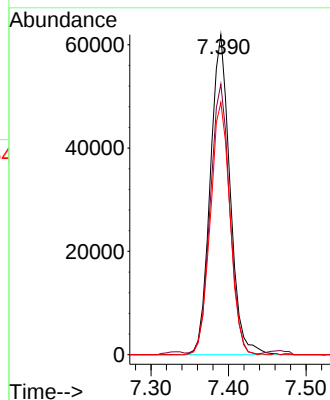
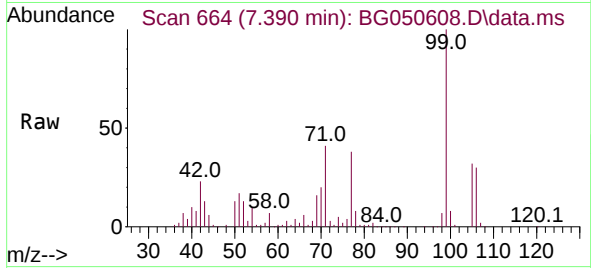




#9
Benzaldehyde
Concen: 40.570 ng
RT: 7.390 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

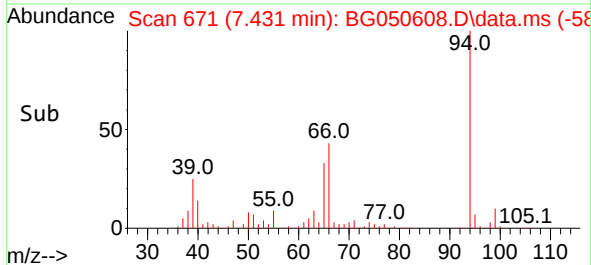
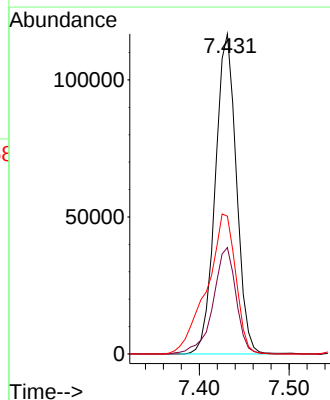
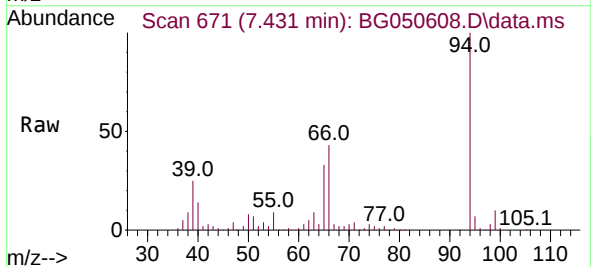
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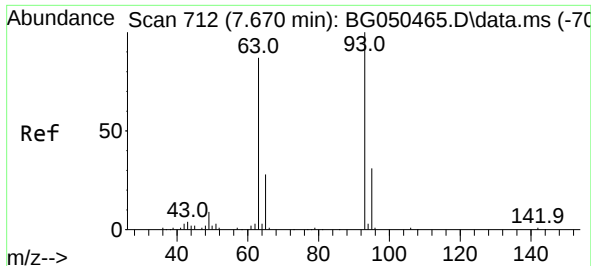
Tgt Ion: 77 Resp: 109485
Ion Ratio Lower Upper
77 100
105 84.5 68.8 108.8
106 78.8 47.9 87.9



#10
Phenol
Concen: 45.572 ng
RT: 7.431 min Scan# 671
Delta R.T. 0.007 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

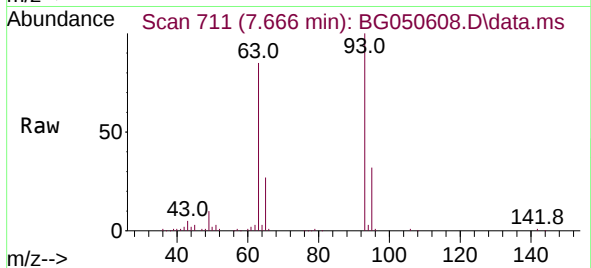
Tgt Ion: 94 Resp: 189994
Ion Ratio Lower Upper
94 100
65 33.3 12.9 52.9
66 43.0 39.4 79.4



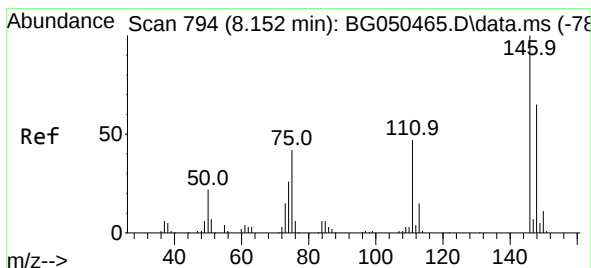
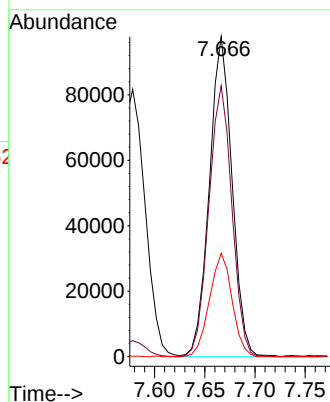
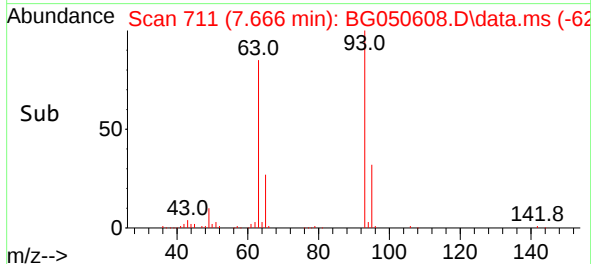


#11
bis(2-Chloroethyl)ether
Concen: 47.288 ng
RT: 7.666 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

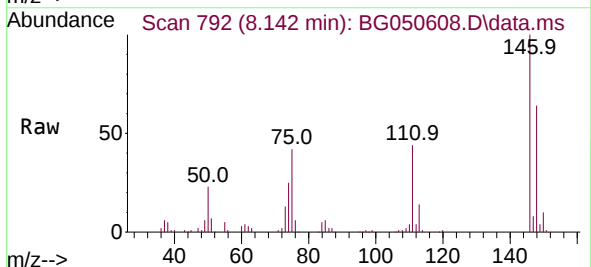
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD



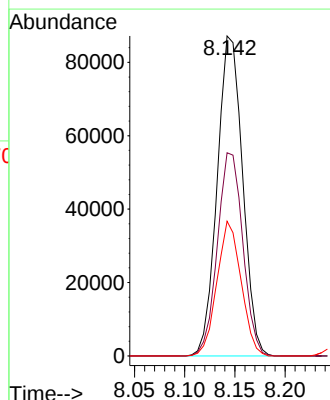
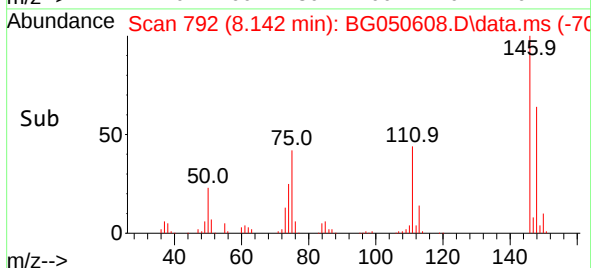
Tgt Ion: 93 Resp: 153875
Ion Ratio Lower Upper
93 100
63 84.6 50.4 90.4
95 32.3 15.3 55.3

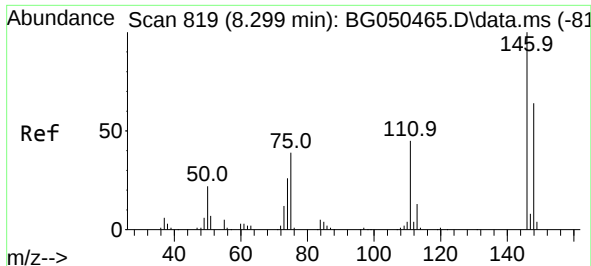


#12
1,3-Dichlorobenzene
Concen: 46.576 ng
RT: 8.142 min Scan# 792
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08



Tgt Ion: 146 Resp: 153314
Ion Ratio Lower Upper
146 100
148 63.5 52.6 78.8
75 42.1 35.7 53.5





#13

1,4-Dichlorobenzene

Concen: 46.715 ng

RT: 8.295 min Scan# 818

Delta R.T. 0.001 min

Lab File: BG050608.D

Acq: 15 Oct 2021 18:08

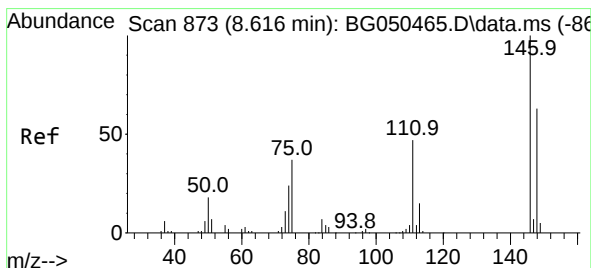
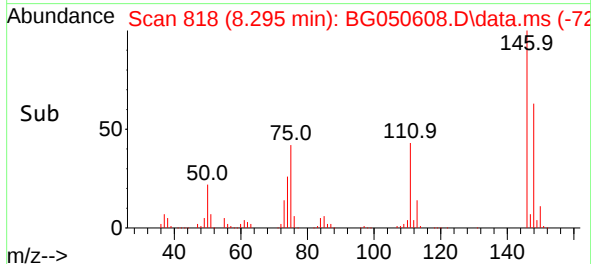
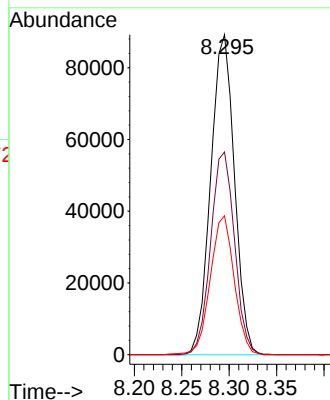
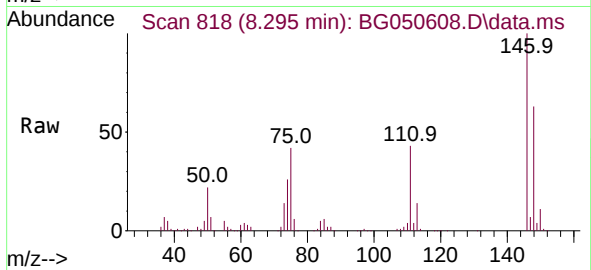
Tgt Ion:146 Resp: 155024

Ion Ratio Lower Upper

146 100

148 63.4 54.0 81.0

111 43.4 34.3 51.5



#14

1,2-Dichlorobenzene

Concen: 47.151 ng

RT: 8.612 min Scan# 872

Delta R.T. -0.005 min

Lab File: BG050608.D

Acq: 15 Oct 2021 18:08

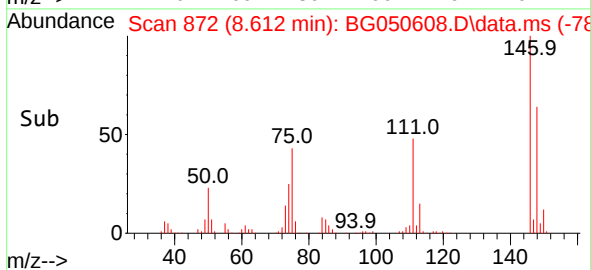
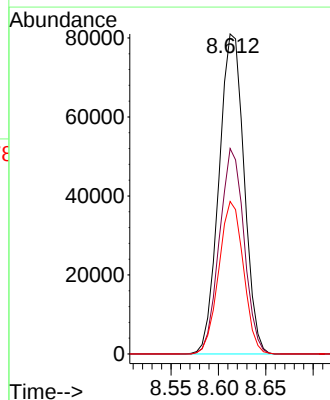
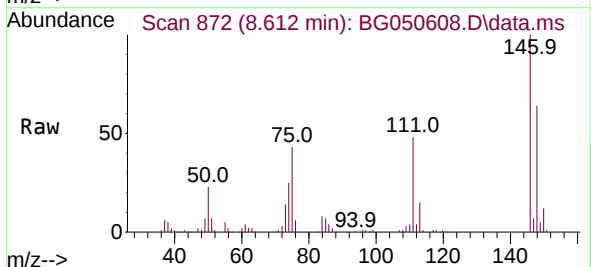
Tgt Ion:146 Resp: 149453

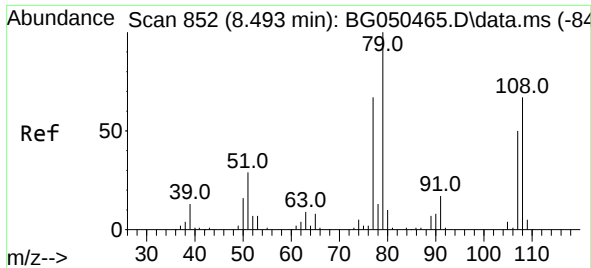
Ion Ratio Lower Upper

146 100

148 64.2 47.5 71.3

111 47.7 39.1 58.7

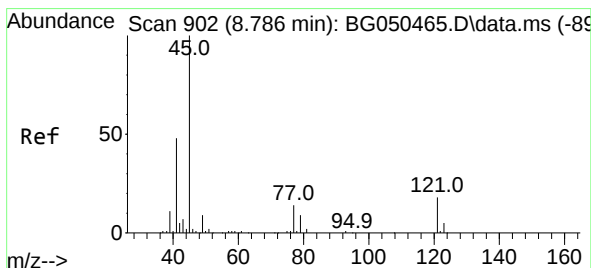
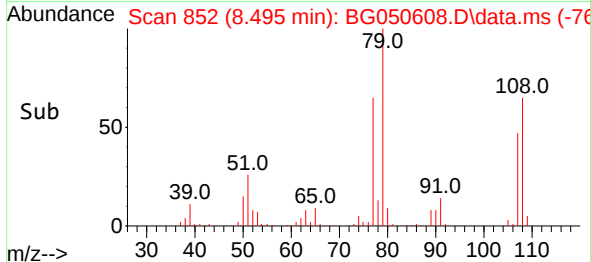
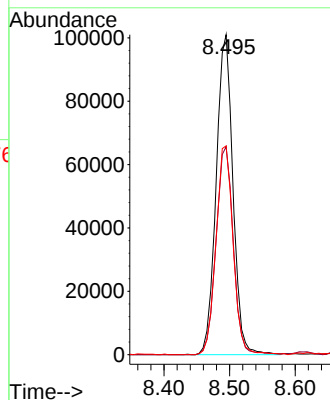
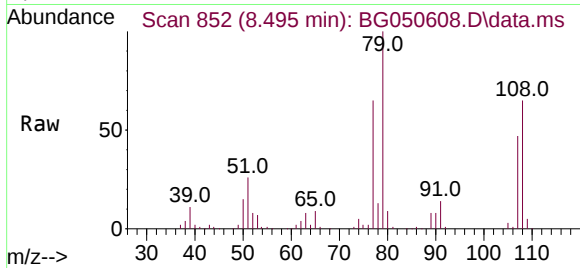




#15
Benzyl Alcohol
Concen: 52.692 ng
RT: 8.495 min Scan# 852
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

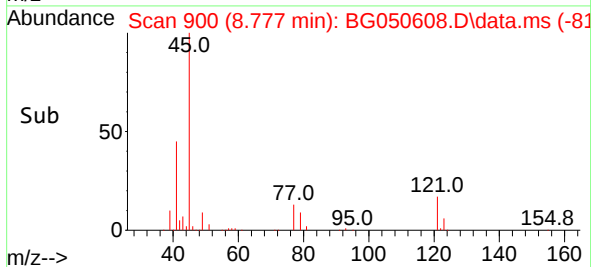
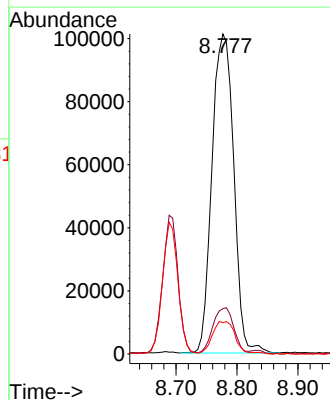
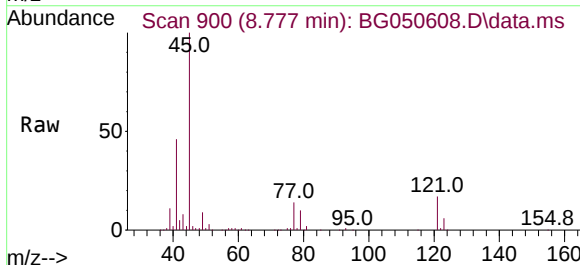
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

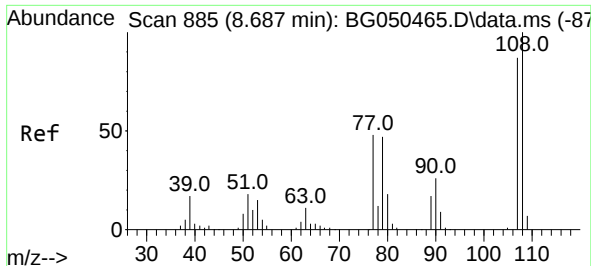
Tgt Ion: 79 Resp: 178546
Ion Ratio Lower Upper
79 100
108 65.0 48.2 72.4
77 65.2 57.3 85.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.331 ng
RT: 8.777 min Scan# 900
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

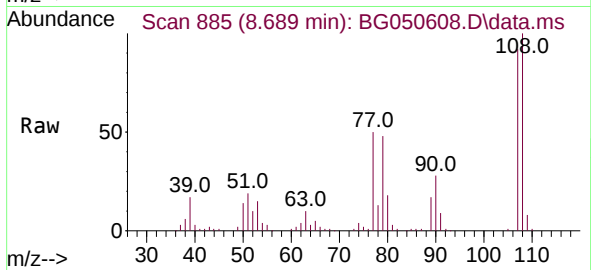
Tgt Ion: 45 Resp: 251179
Ion Ratio Lower Upper
45 100
77 14.2 2.2 42.2
79 9.8 0.0 34.3



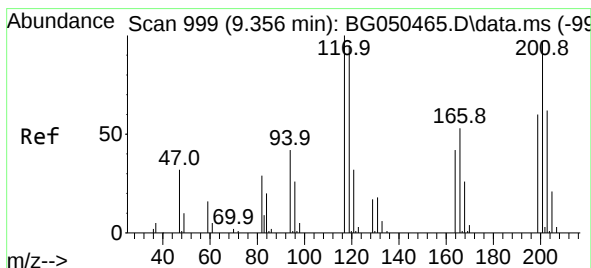
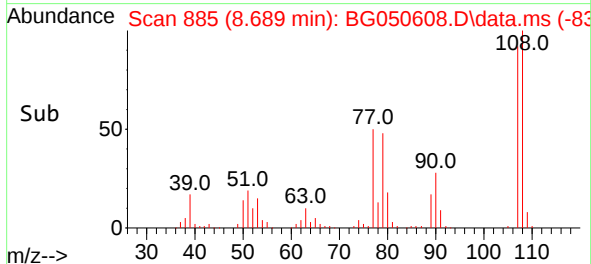
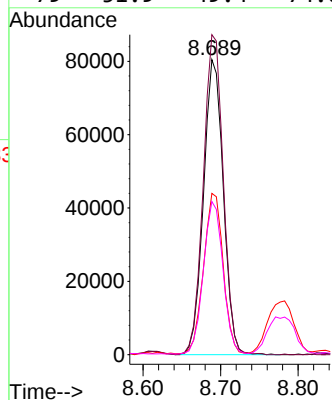


#17
2-Methylphenol
Concen: 52.042 ng
RT: 8.689 min Scan# 885
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

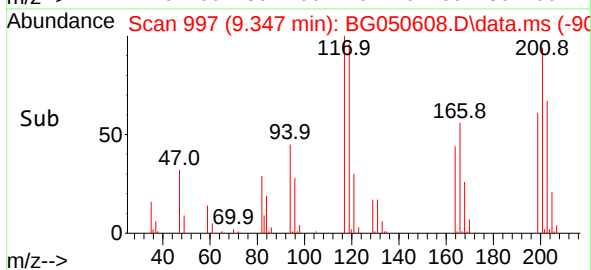
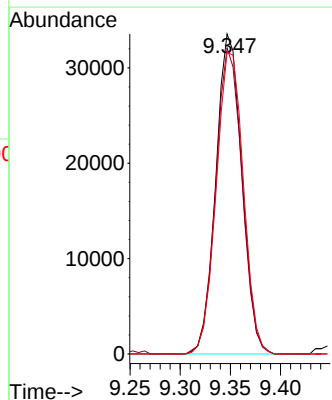
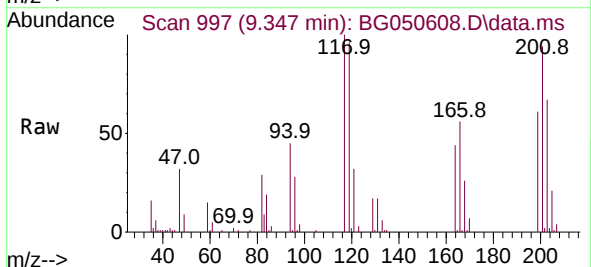


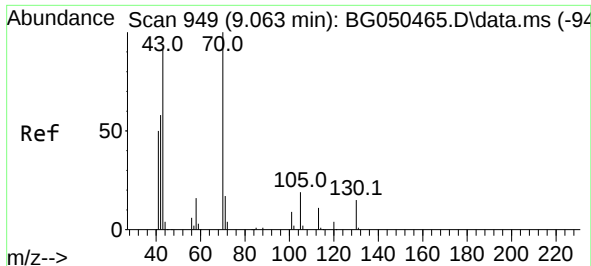
Tgt Ion	Ratio	Lower	Upper
107	100		
108	108.5	84.6	127.0
77	54.7	50.7	76.1
79	51.9	49.4	74.0



#18
Hexachloroethane
Concen: 48.224 ng
RT: 9.347 min Scan# 997
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.4	111.6
201	96.5	88.6	133.0

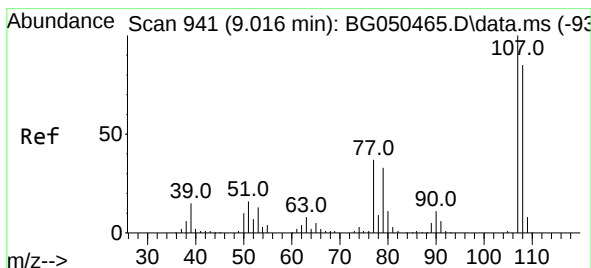
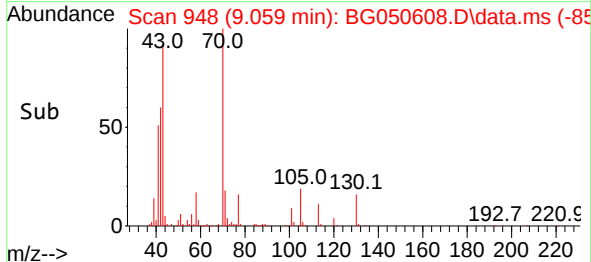
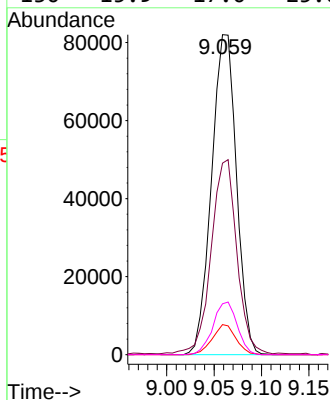
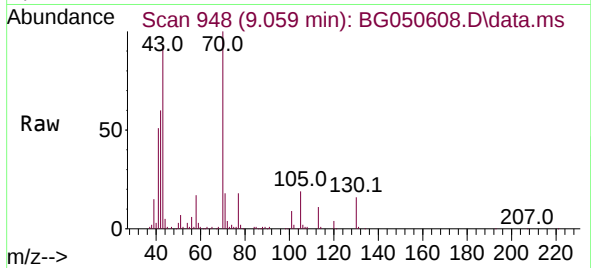




#19
n-Nitroso-di-n-propylamine
Concen: 48.040 ng
RT: 9.059 min Scan# 948
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

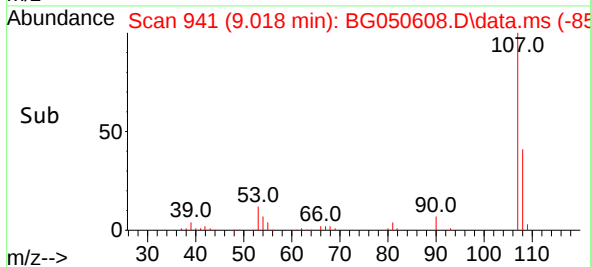
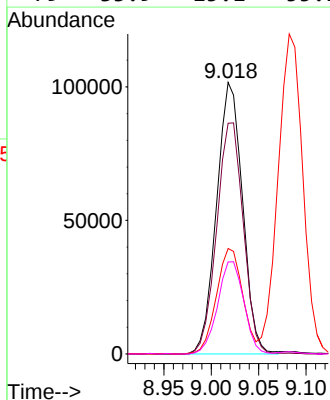
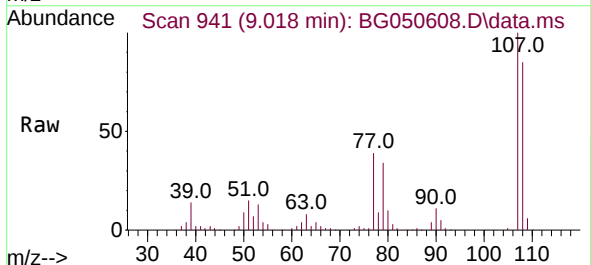
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

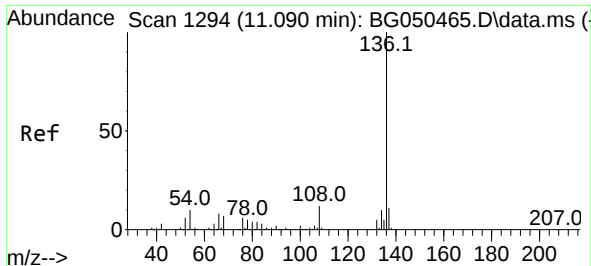
Tgt Ion:	70	Resp:	150141
Ion Ratio	Lower	Upper	
70	100		
42	59.9	54.5	81.7
101	9.4	9.0	13.6
130	15.9	17.0	25.6



#20
3+4-Methylphenols
Concen: 50.160 ng
RT: 9.018 min Scan# 941
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

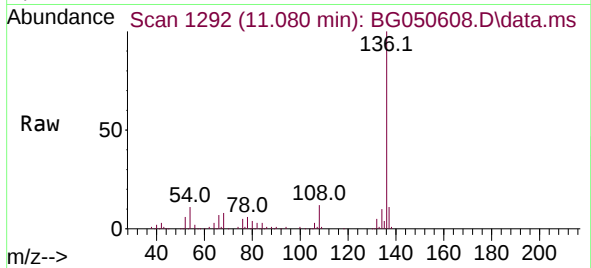
Tgt Ion:	107	Resp:	193679
Ion Ratio	Lower	Upper	
107	100		
108	85.0	69.3	109.3
77	38.8	25.2	65.2
79	33.9	15.1	55.1



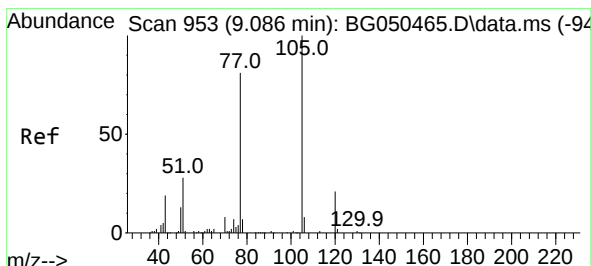
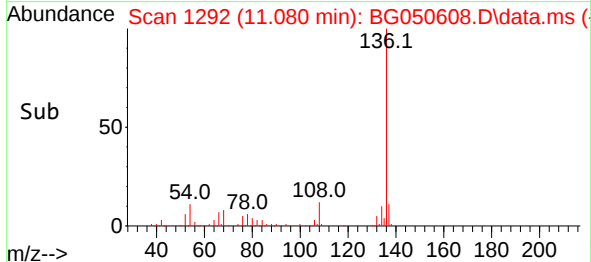
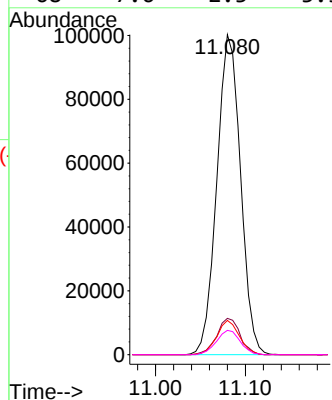


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.080 min Scan# 1292
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

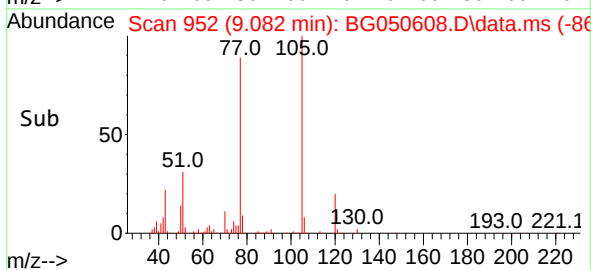
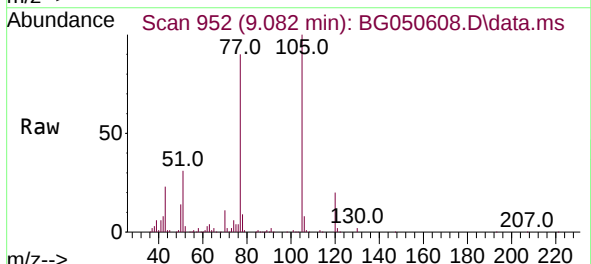
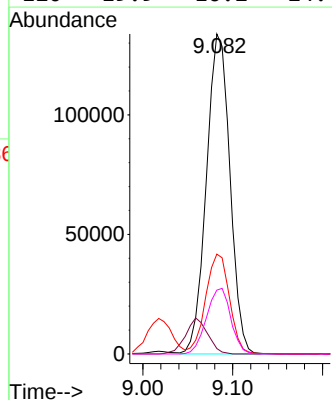


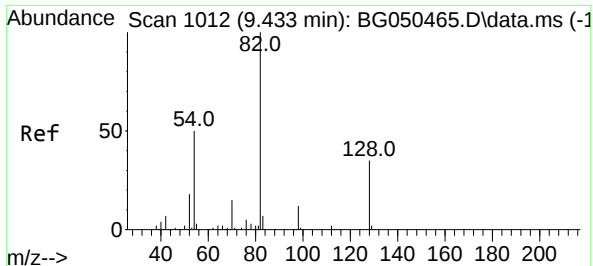
Tgt Ion:136 Resp: 183479
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 10.7 5.5 8.3#
68 7.6 2.3 3.5#



#22
Acetophenone
Concen: 46.727 ng
RT: 9.082 min Scan# 952
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:105 Resp: 243741
Ion Ratio Lower Upper
105 100
71 1.7 0.6 0.8#
51 31.2 26.6 40.0
120 19.9 16.2 24.4





#23

Nitrobenzene-d5

Concen: 90.037 ng

RT: 9.429 min Scan# 1011

Delta R.T. 0.001 min

Lab File: BG050608.D

Acq: 15 Oct 2021 18:08

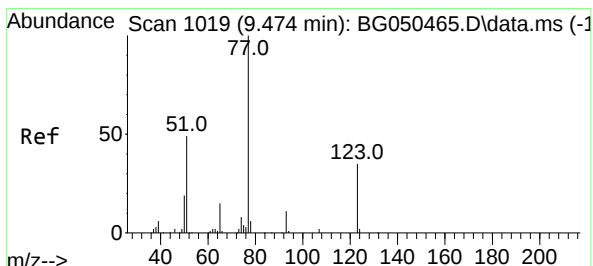
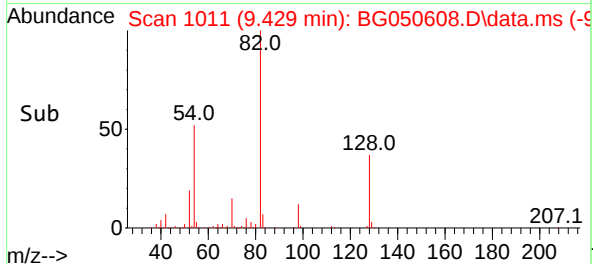
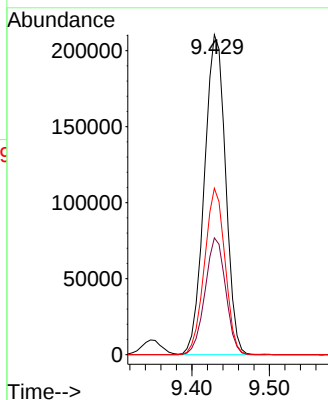
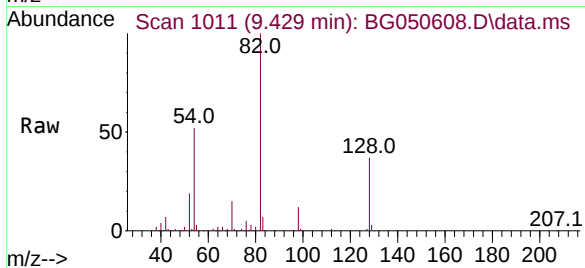
Instrument :

BNA_G

ClientSampleId :

HAR-SOILPILE MSD

Tgt Ion:	82	Resp:	399074
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.8	44.6
54	52.0	45.8	68.8



#24

Nitrobenzene

Concen: 48.355 ng

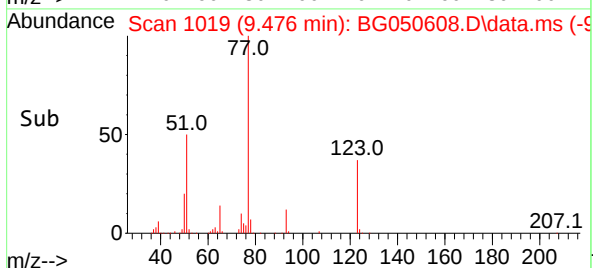
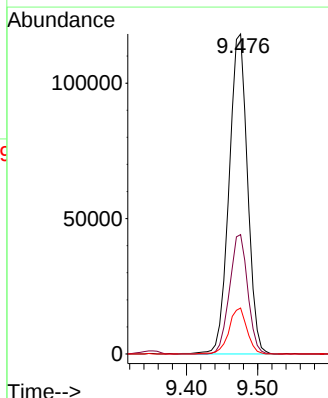
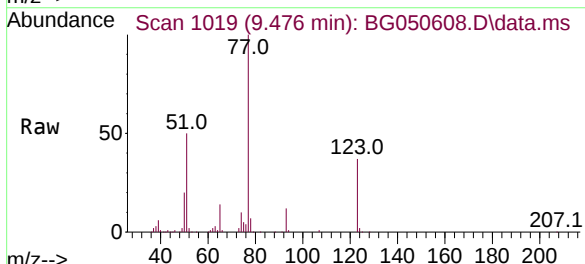
RT: 9.476 min Scan# 1019

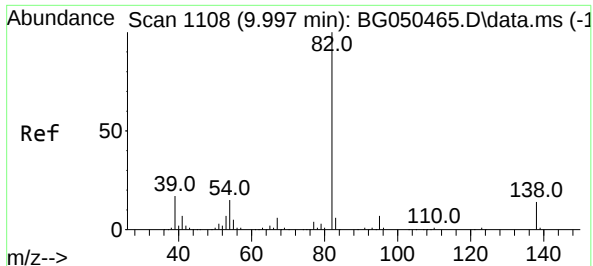
Delta R.T. 0.001 min

Lab File: BG050608.D

Acq: 15 Oct 2021 18:08

Tgt Ion:	77	Resp:	213107
Ion	Ratio	Lower	Upper
77	100		
123	37.3	27.5	41.3
65	14.4	12.6	18.8

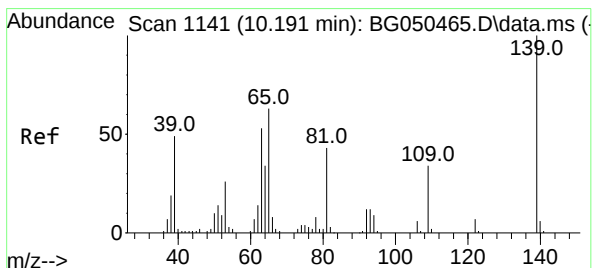
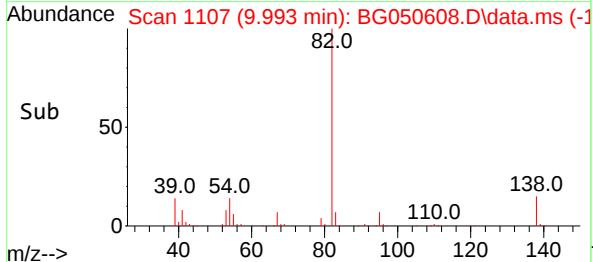
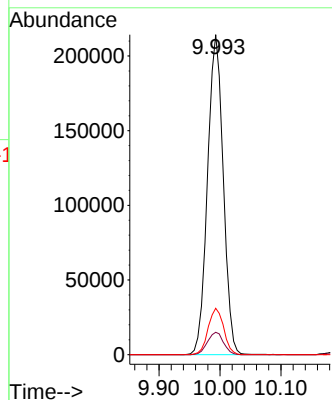
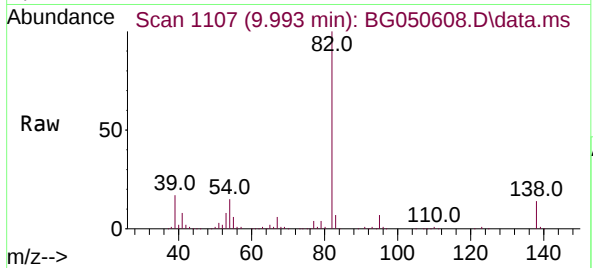




#25
Isophorone
Concen: 48.833 ng
RT: 9.993 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

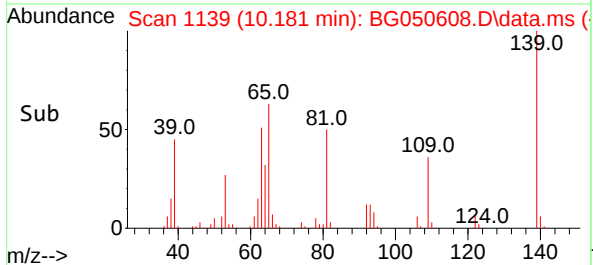
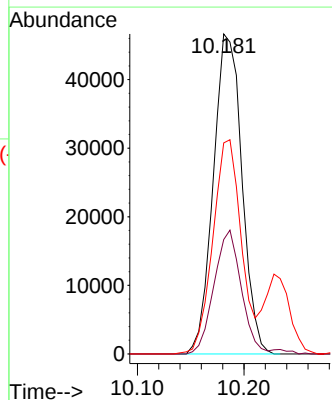
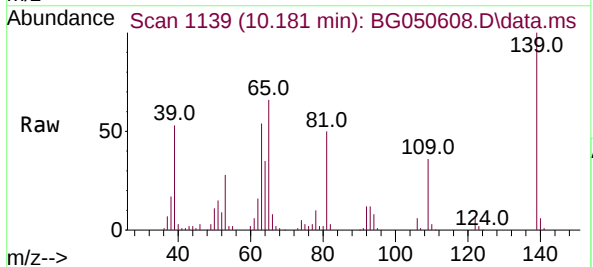
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

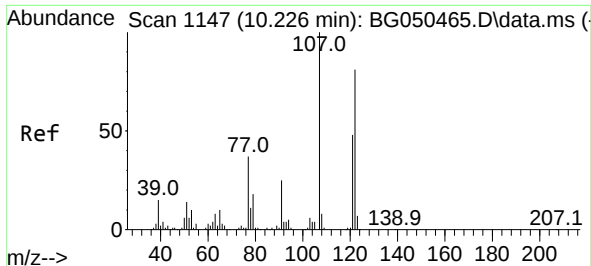
Tgt Ion: 82 Resp: 383908
Ion Ratio Lower Upper
82 100
95 7.0 8.5 12.7#
138 14.5 11.8 17.6



#26
2-Nitrophenol
Concen: 53.656 ng
RT: 10.181 min Scan# 1139
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:139 Resp: 86829
Ion Ratio Lower Upper
139 100
109 35.8 37.8 56.6#
65 65.9 51.8 77.8

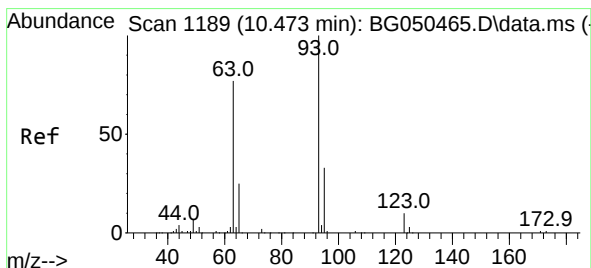
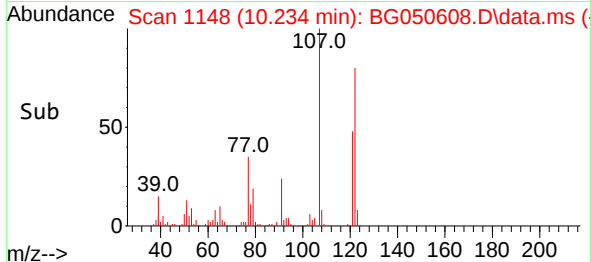
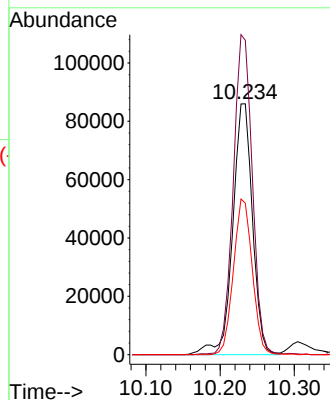
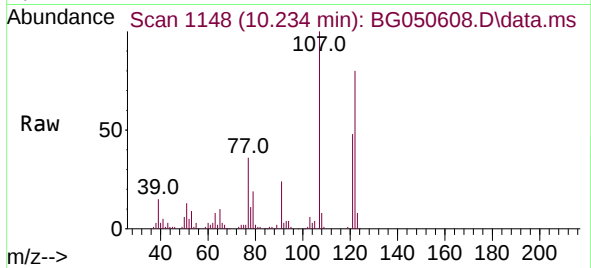




#27
2,4-Dimethylphenol
Concen: 56.949 ng
RT: 10.234 min Scan# 1148
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

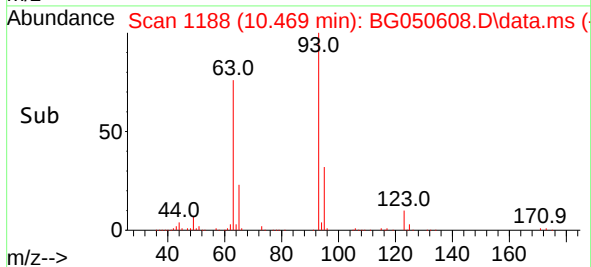
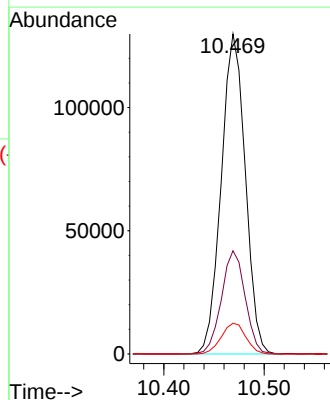
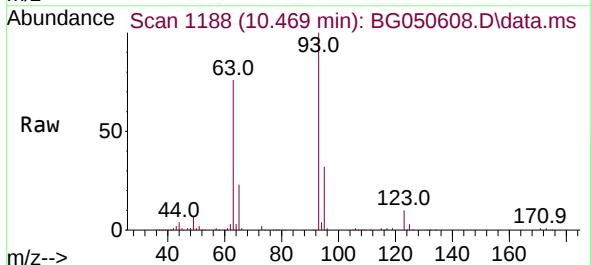
Instrument :
BNA_G
ClientSampleId :
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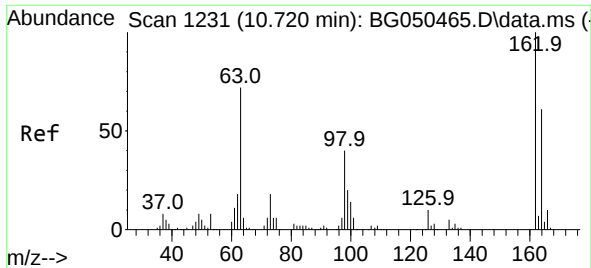
Tgt Ion:122 Resp: 159222
Ion Ratio Lower Upper
122 100
107 125.3 110.1 165.1
121 60.4 49.0 73.6



#28
bis(2-Chloroethoxy)methane
Concen: 48.025 ng
RT: 10.469 min Scan# 1188
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion: 93 Resp: 215881
Ion Ratio Lower Upper
93 100
95 32.2 22.2 33.4
123 9.6 8.8 13.2

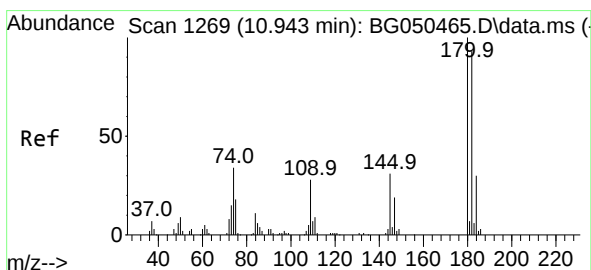
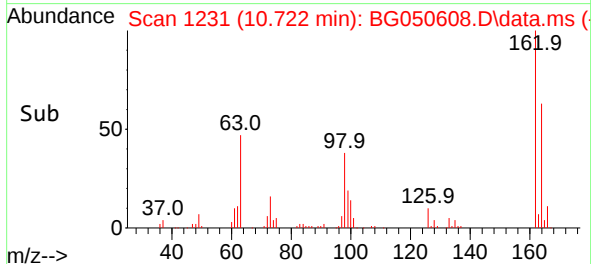
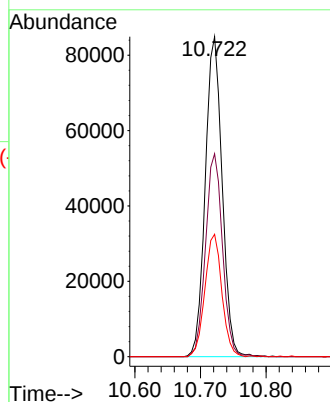
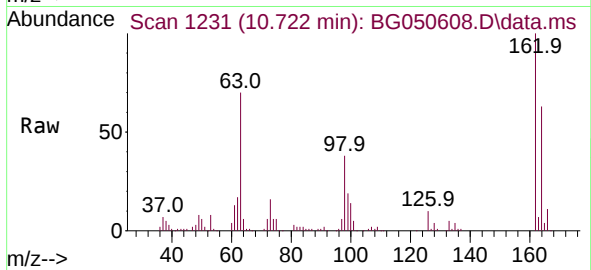




#29
2,4-Dichlorophenol
Concen: 53.339 ng
RT: 10.722 min Scan# 1231
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

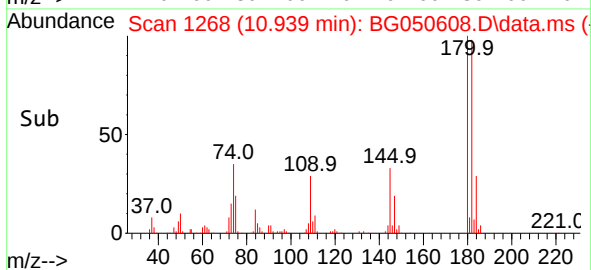
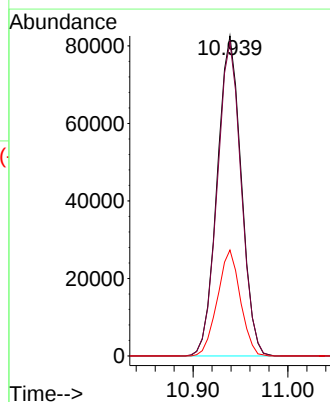
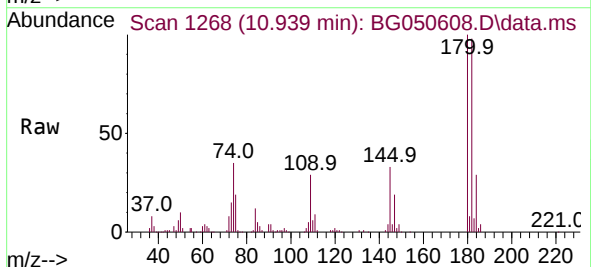
Instrument :
BNA_G
ClientSampleId :
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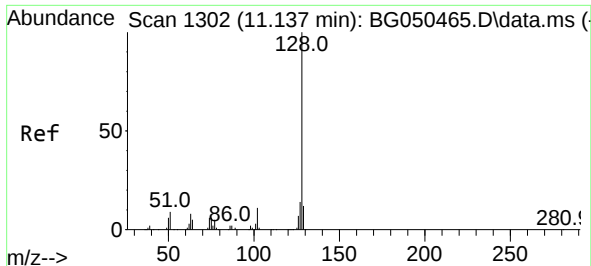
Tgt Ion:162 Resp: 151996
Ion Ratio Lower Upper
162 100
164 63.4 39.4 79.4
98 38.2 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 44.958 ng
RT: 10.939 min Scan# 1268
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:180 Resp: 145531
Ion Ratio Lower Upper
180 100
182 98.1 78.9 118.3
145 33.1 26.2 39.4

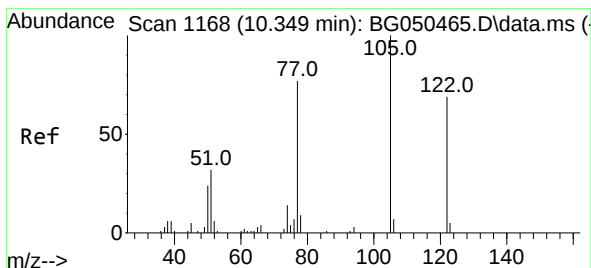
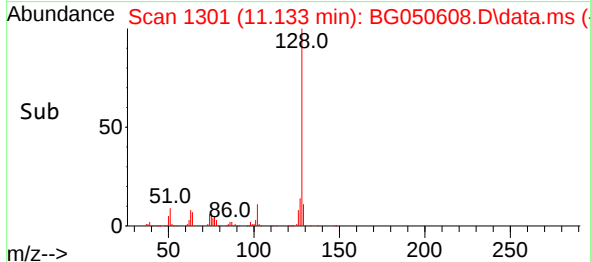
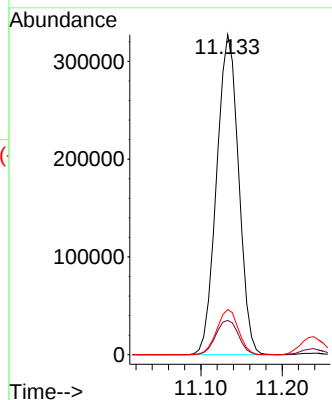
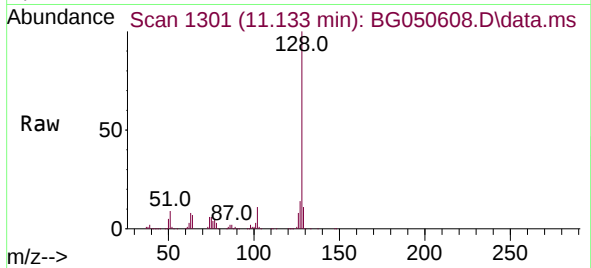




#31
Naphthalene
Concen: 62.780 ng
RT: 11.133 min Scan# 1301
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

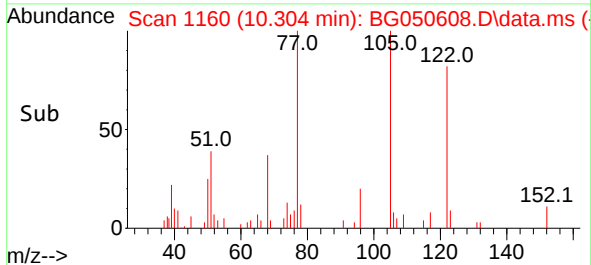
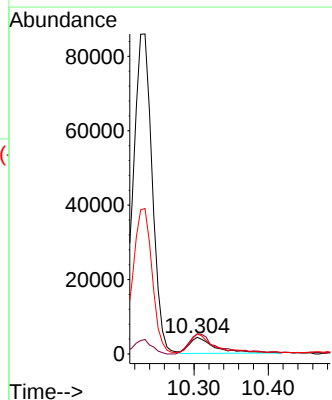
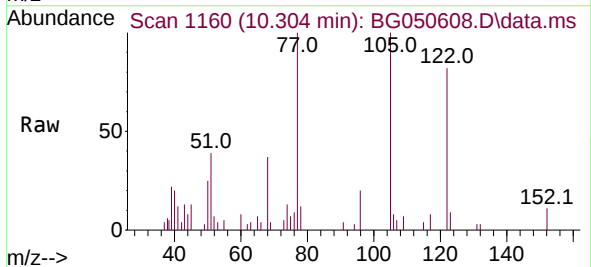
Instrument :
BNA_G
ClientSampleId :
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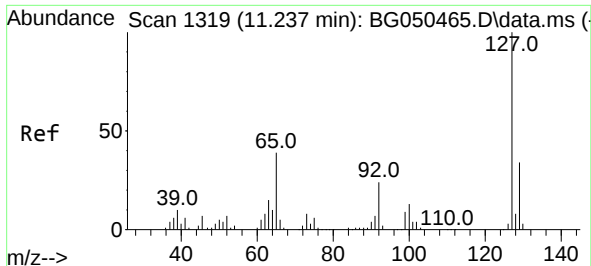
Tgt Ion:128 Resp: 616564
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 14.1 10.2 15.4



#32
Benzoic acid
Concen: 4.985 ng
RT: 10.304 min Scan# 1160
Delta R.T. -0.051 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:122 Resp: 10344
Ion Ratio Lower Upper
122 100
105 121.4 92.3 132.3
77 121.0 66.5 106.5#

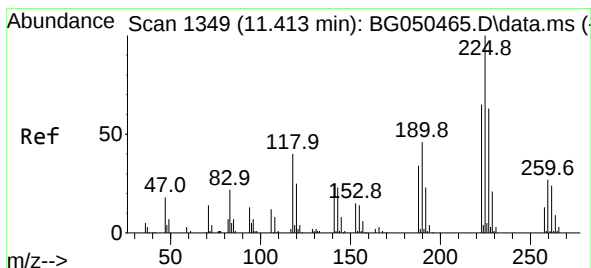
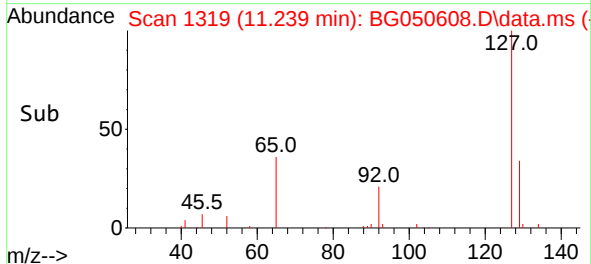
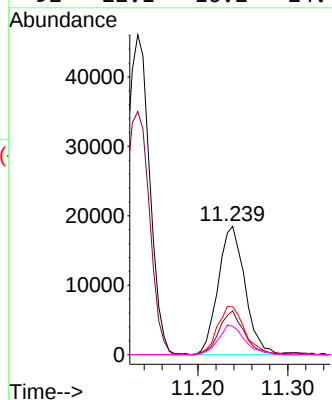
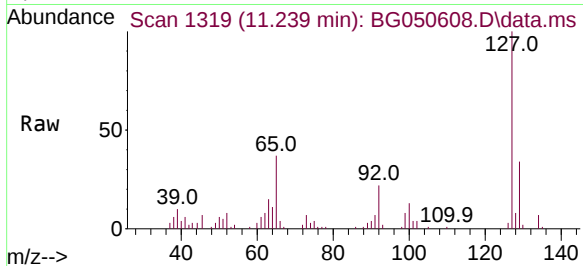




#33
4-Chloroaniline
Concen: 9.333 ng
RT: 11.239 min Scan# 1319
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

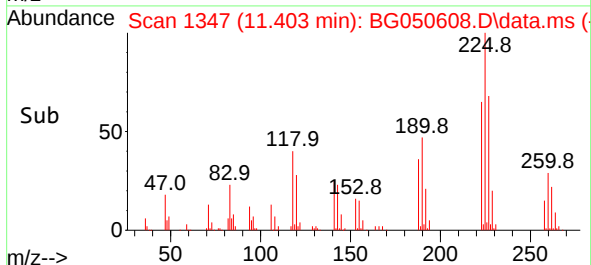
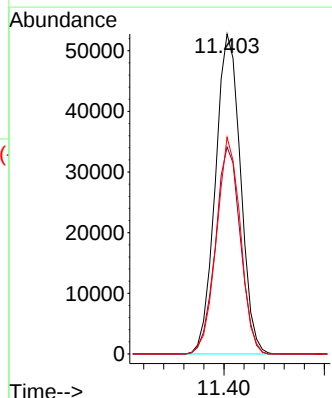
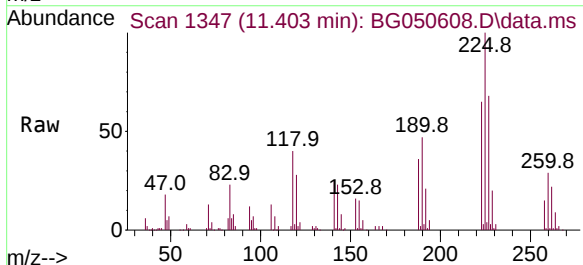
Instrument :
BNA_G
ClientSampleId :
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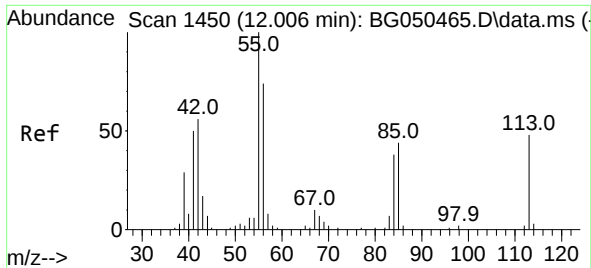
Tgt Ion:	127	Resp:	38457
Ion	Ratio	Lower	Upper
127	100		
129	34.1	26.7	40.1
65	37.2	32.8	49.2
92	22.1	16.2	24.4



#34
Hexachlorobutadiene
Concen: 44.989 ng
RT: 11.403 min Scan# 1347
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:	225	Resp:	91428
Ion	Ratio	Lower	Upper
225	100		
223	64.7	49.8	74.8
227	67.7	46.4	69.6

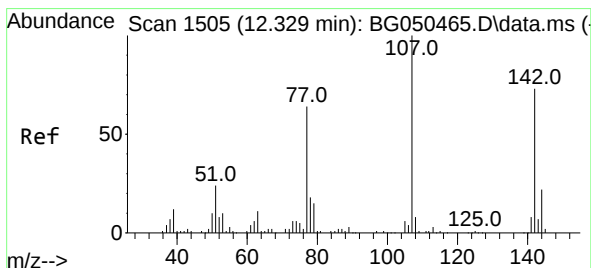
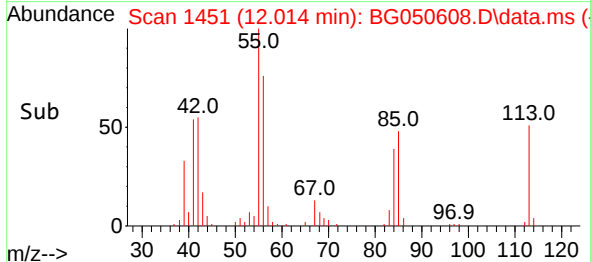
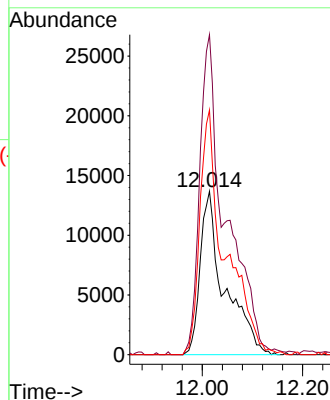
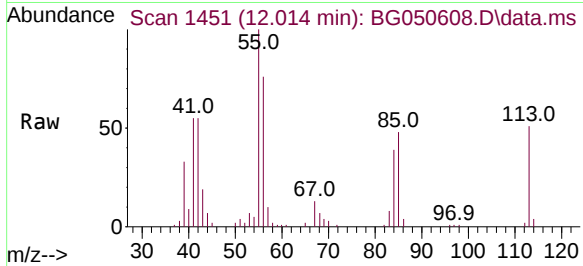




#35
Caprolactam
Concen: 42.155 ng
RT: 12.014 min Scan# 1451
Delta R.T. 0.007 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

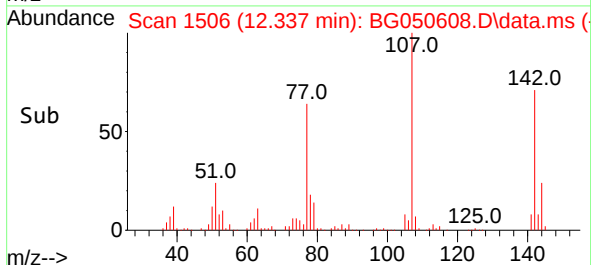
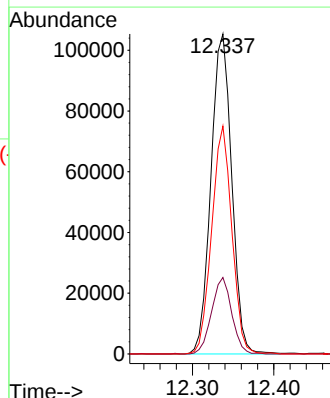
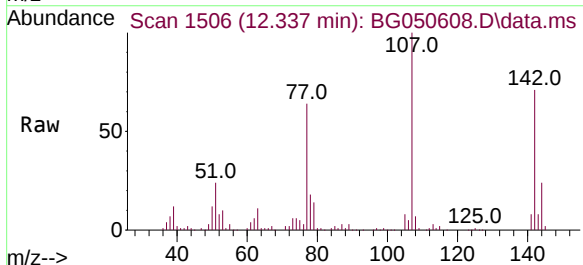
Instrument :
BNA_G
ClientSampleId :
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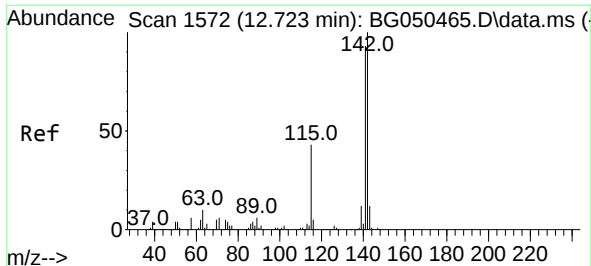
Tgt Ion:113 Resp: 45975
Ion Ratio Lower Upper
113 100
55 196.0 113.8 153.8#
56 149.8 105.6 145.6#



#36
4-Chloro-3-methylphenol
Concen: 52.523 ng
RT: 12.337 min Scan# 1506
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:107 Resp: 187076
Ion Ratio Lower Upper
107 100
144 23.9 24.8 37.2#
142 71.2 62.2 93.4

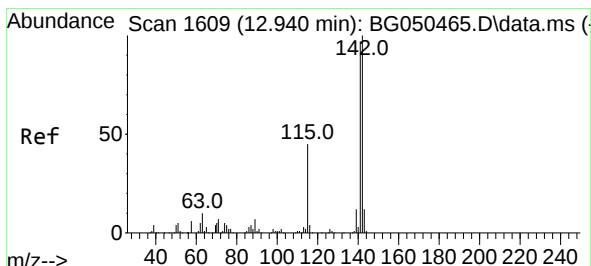
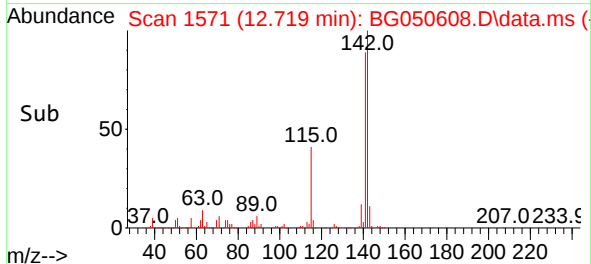
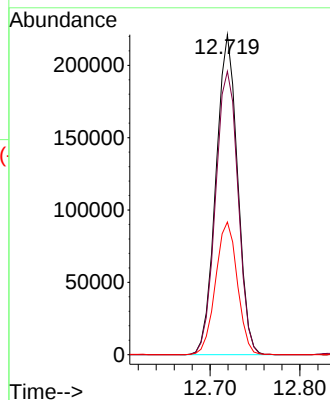
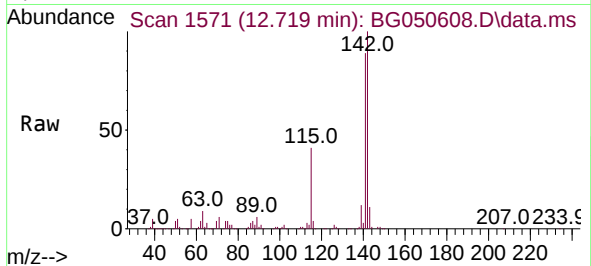




#37
2-Methylnaphthalene
Concen: 54.604 ng
RT: 12.719 min Scan# 1571
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

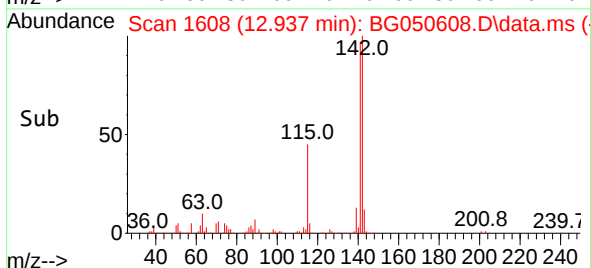
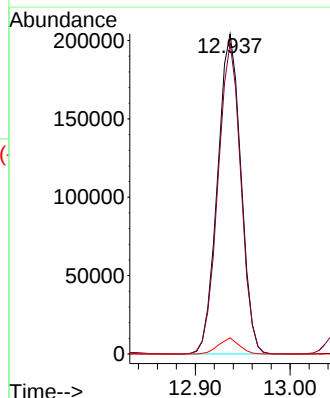
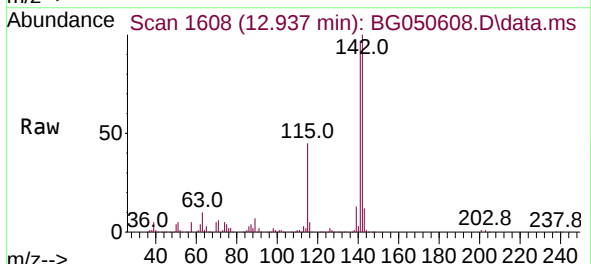
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

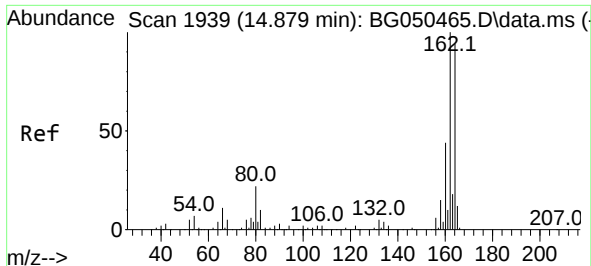
Tgt Ion:142 Resp: 370015
Ion Ratio Lower Upper
142 100
141 88.5 68.8 103.2
115 41.4 36.4 54.6



#38
1-Methylnaphthalene
Concen: 53.173 ng
RT: 12.937 min Scan# 1608
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

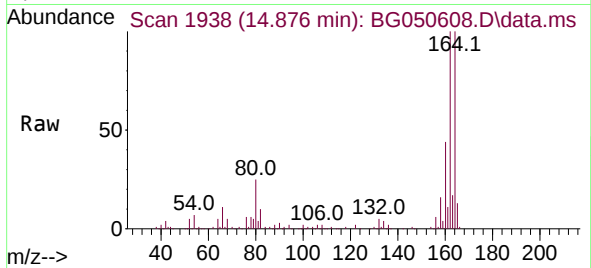
Tgt Ion:142 Resp: 349395
Ion Ratio Lower Upper
142 100
141 97.2 70.6 106.0
116 5.0 4.0 6.0



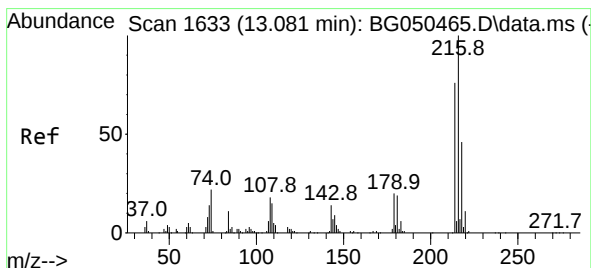
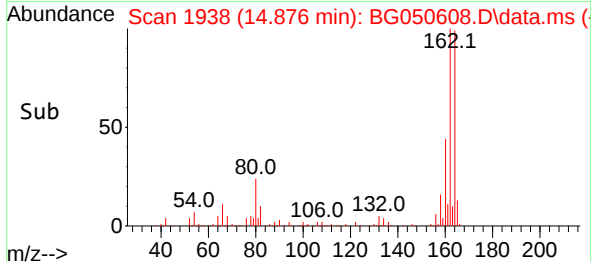
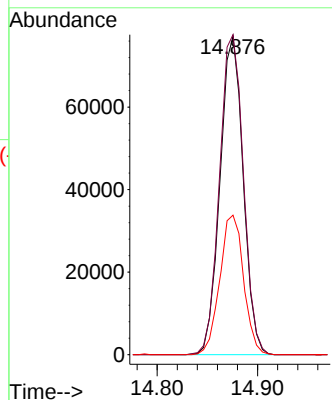


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.876 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

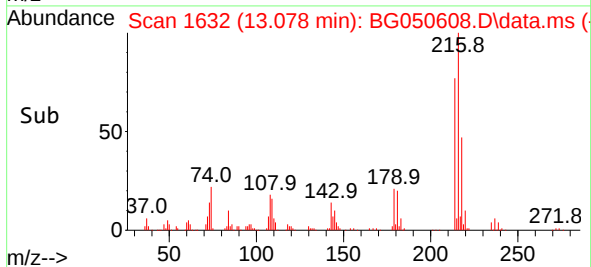
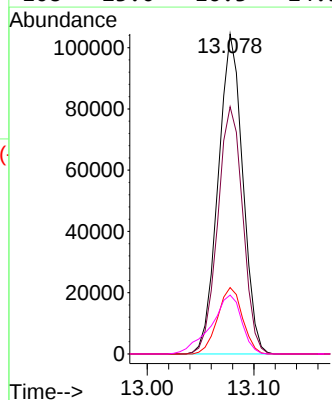
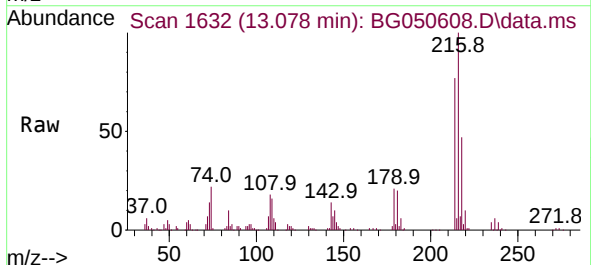


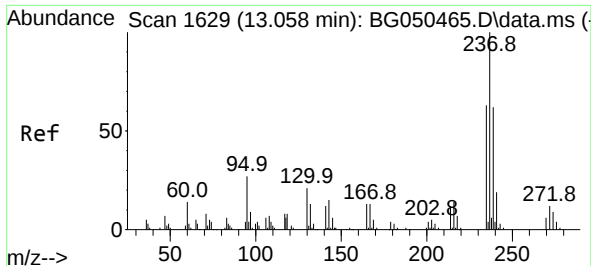
Tgt Ion:164 Resp: 123346
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 43.8 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.905 ng
RT: 13.078 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

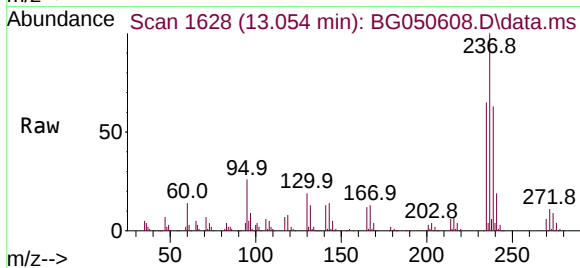
Tgt Ion:216 Resp: 167208
Ion Ratio Lower Upper
216 100
214 78.6 61.4 92.2
179 21.0 17.3 25.9
108 23.0 16.3 24.5



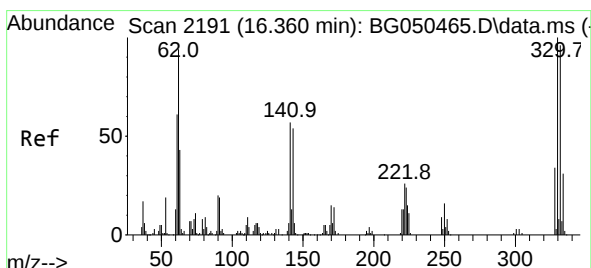
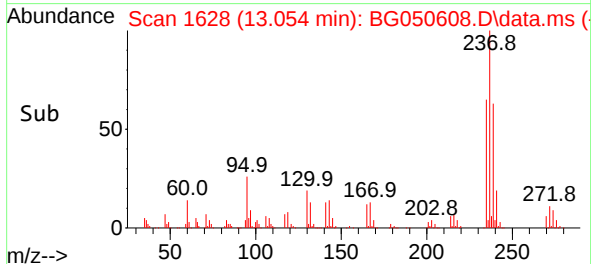
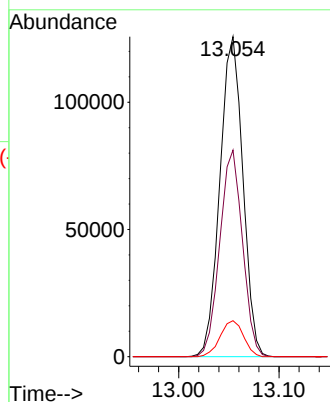


#41
Hexachlorocyclopentadiene
Concen: 94.946 ng
RT: 13.054 min Scan# 1628
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
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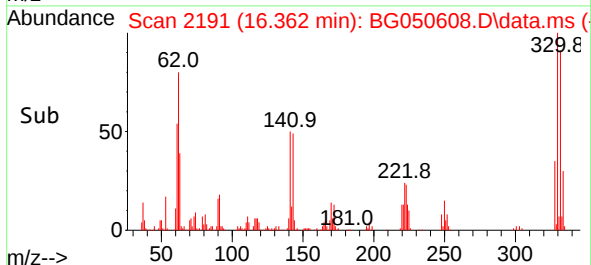
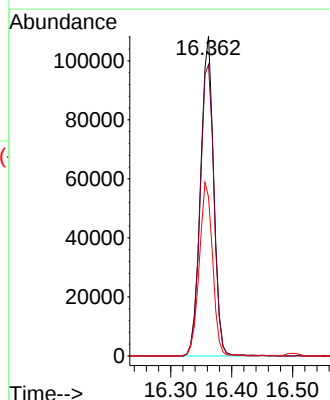
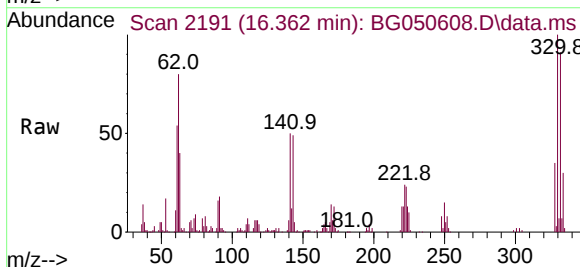


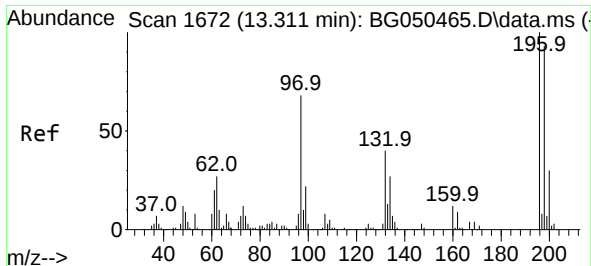
Tgt Ion:237 Resp: 199873
Ion Ratio Lower Upper
237 100
235 64.6 36.6 76.6
272 11.2 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 138.209 ng
RT: 16.362 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:330 Resp: 162603
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 54.9 35.6 53.4#

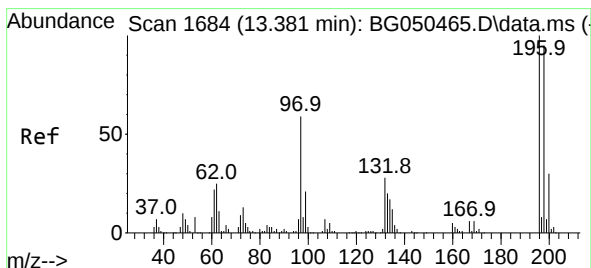
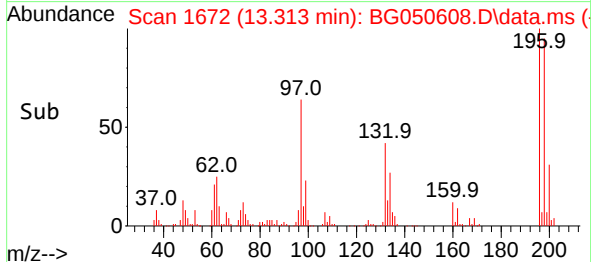
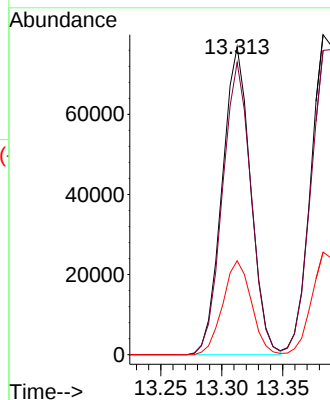
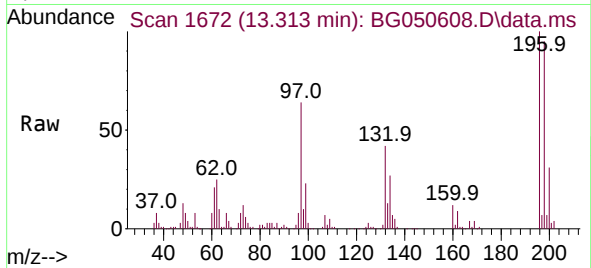




#43
2,4,6-Trichlorophenol
Concen: 48.660 ng
RT: 13.313 min Scan# 1672
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

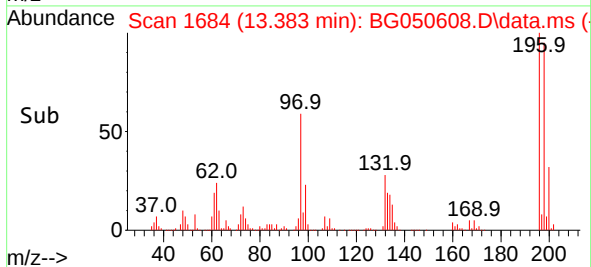
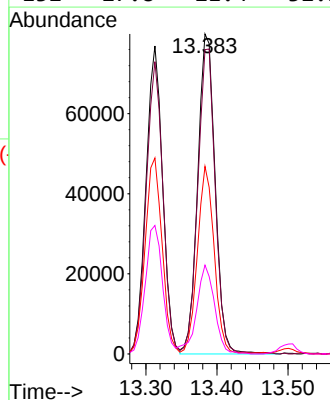
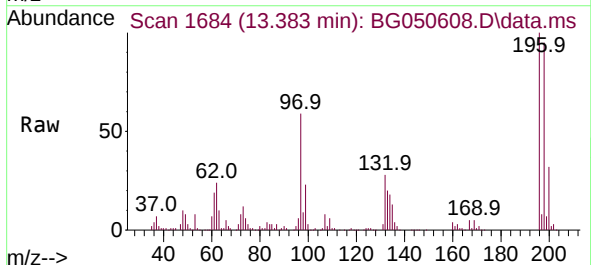
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

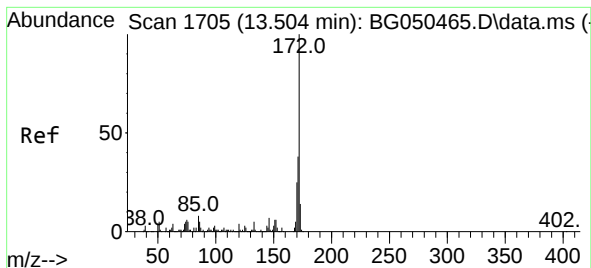
Tgt Ion:196 Resp: 124897
Ion Ratio Lower Upper
196 100
198 94.9 82.1 123.1
200 30.5 23.8 35.8



#44
2,4,5-Trichlorophenol
Concen: 51.001 ng
RT: 13.383 min Scan# 1684
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:196 Resp: 136862
Ion Ratio Lower Upper
196 100
198 95.1 87.4 131.0
97 58.6 43.3 64.9
132 27.8 21.4 32.2

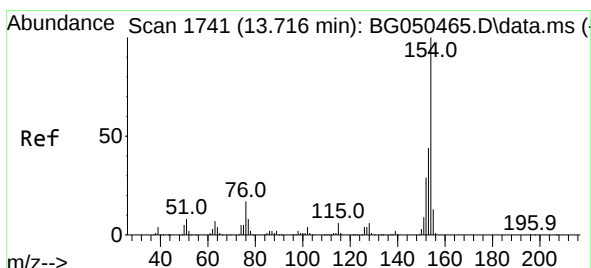
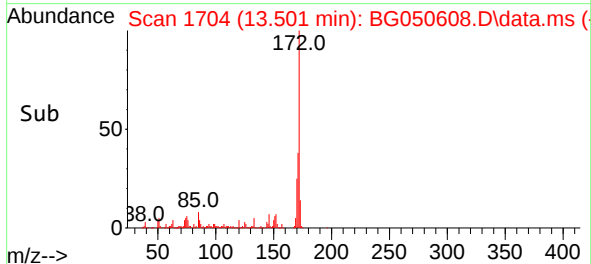
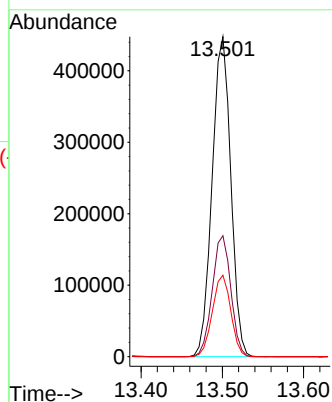
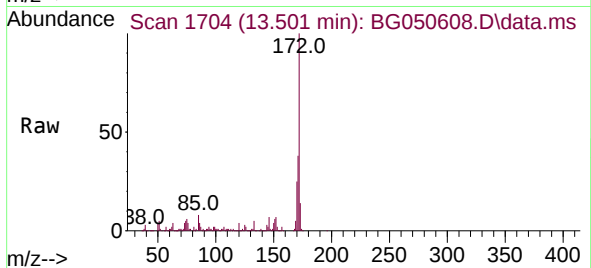




#45
2-Fluorobiphenyl
Concen: 87.045 ng
RT: 13.501 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

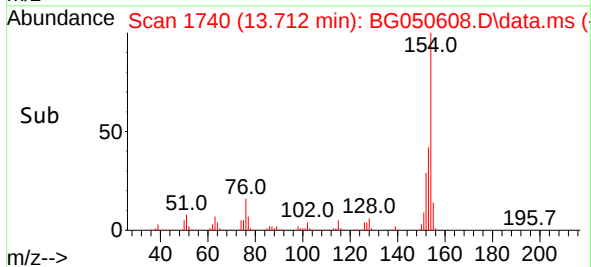
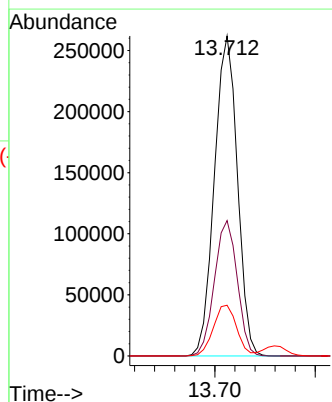
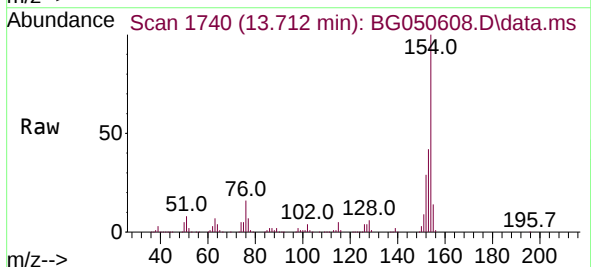
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

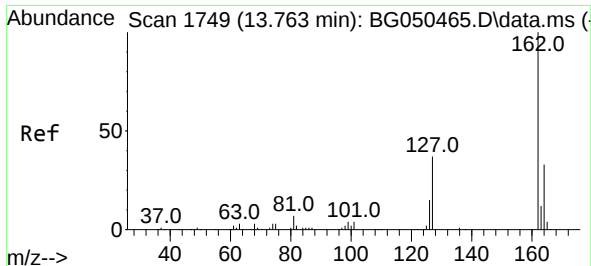
Tgt Ion:172 Resp: 713386
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.5 18.6 27.8



#46
1,1'-Biphenyl
Concen: 46.281 ng
RT: 13.712 min Scan# 1740
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:154 Resp: 416386
Ion Ratio Lower Upper
154 100
153 42.3 20.5 60.5
76 15.8 0.0 29.3

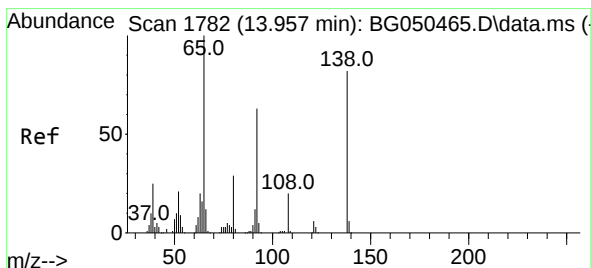
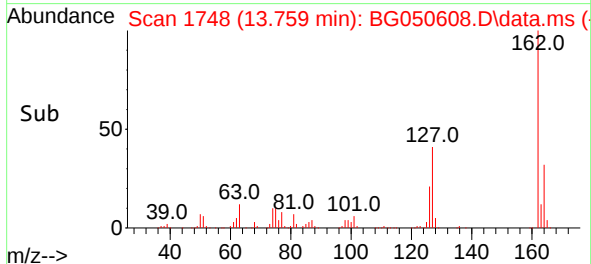
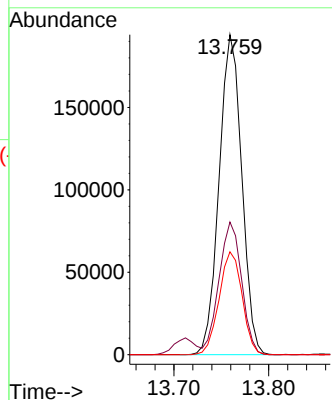
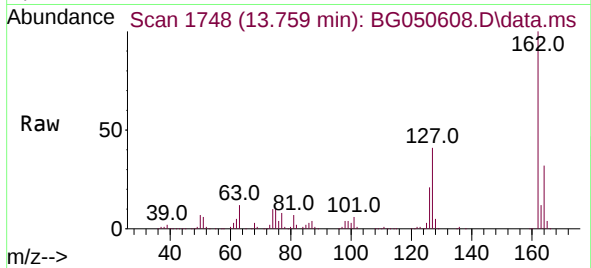




#47
2-Chloronaphthalene
Concen: 46.680 ng
RT: 13.759 min Scan# 1748
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

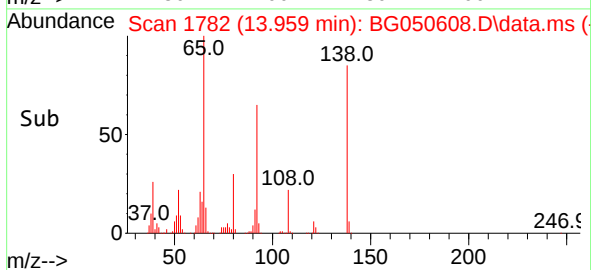
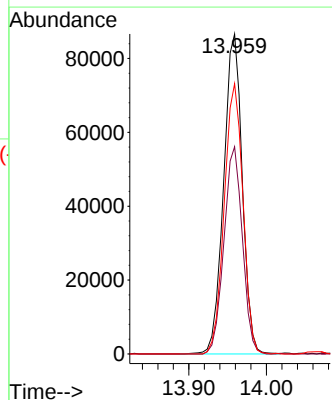
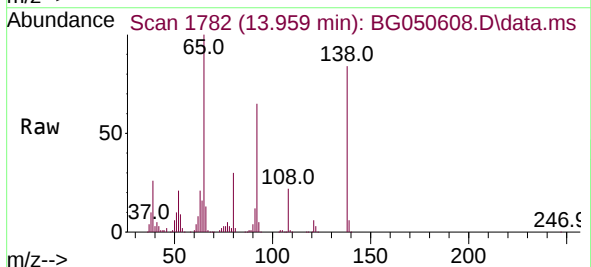
Instrument :
BNA_G
ClientSampleId :
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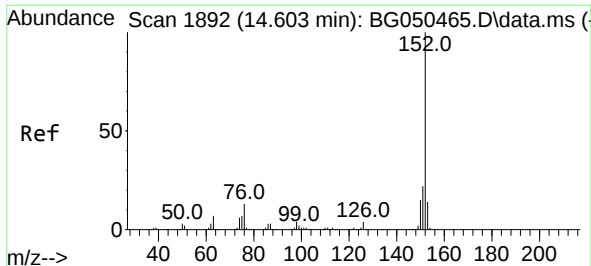
Tgt Ion:162 Resp: 322478
Ion Ratio Lower Upper
162 100
127 41.5 32.7 49.1
164 32.1 27.0 40.4



#48
2-Nitroaniline
Concen: 52.625 ng
RT: 13.959 min Scan# 1782
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

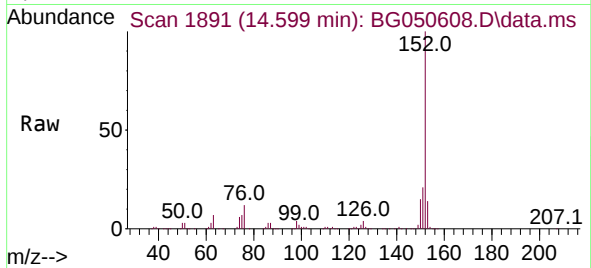
Tgt Ion: 65 Resp: 144620
Ion Ratio Lower Upper
65 100
92 64.7 47.2 70.8
138 84.5 68.0 102.0



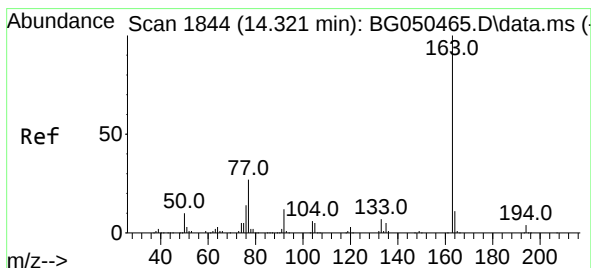
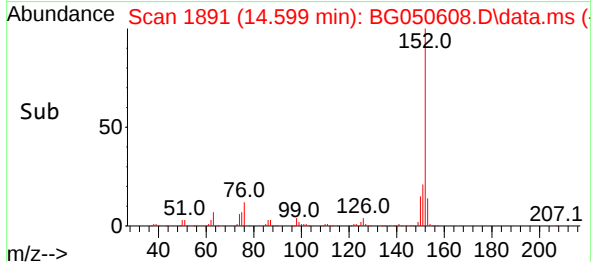
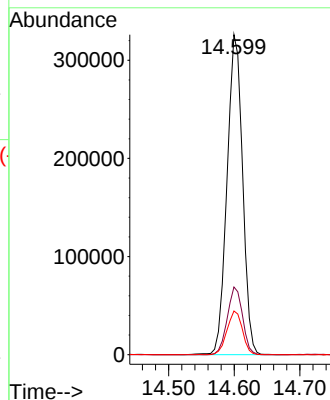


#49
Acenaphthylene
Concen: 47.345 ng
RT: 14.599 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

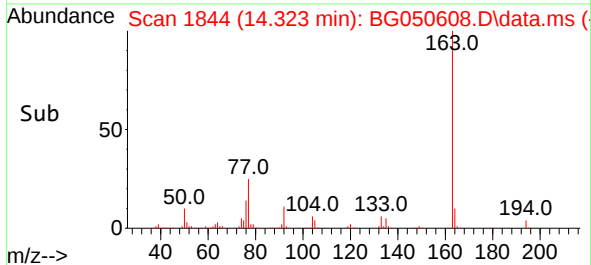
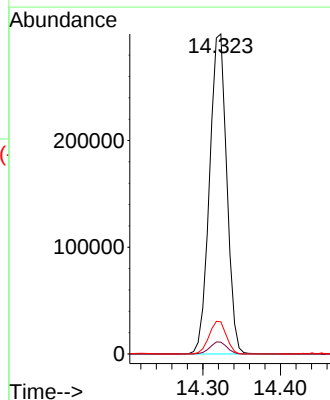
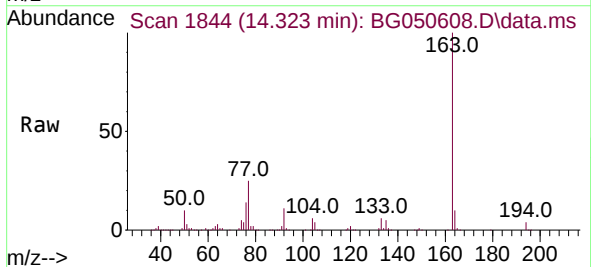


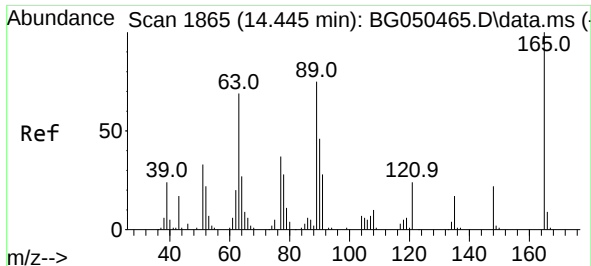
Tgt Ion:152 Resp: 535916
Ion Ratio Lower Upper
152 100
151 21.2 18.2 27.4
153 13.7 11.7 17.5



#50
Dimethylphthalate
Concen: 49.692 ng
RT: 14.323 min Scan# 1844
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:163 Resp: 463291
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.0 8.6 12.8

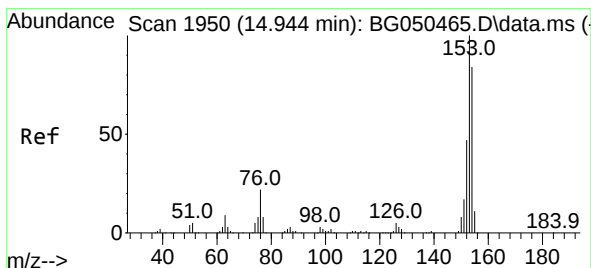
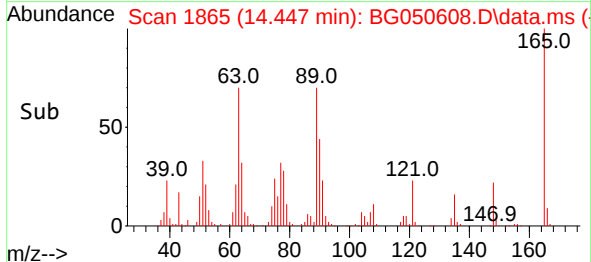
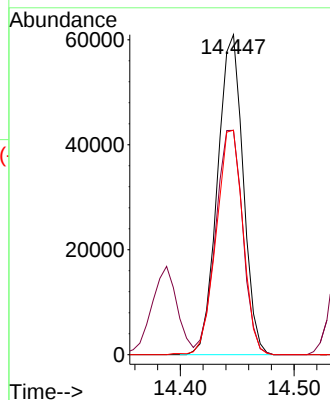
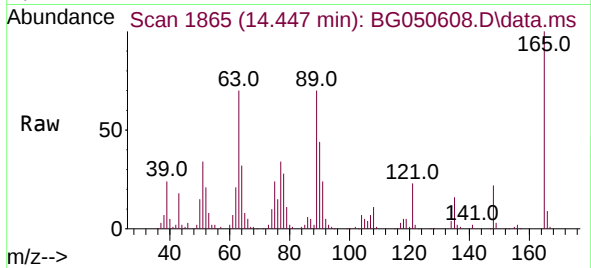




#51
2,6-Dinitrotoluene
Concen: 51.041 ng
RT: 14.447 min Scan# 1865
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

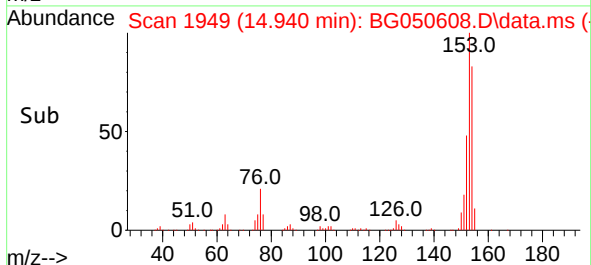
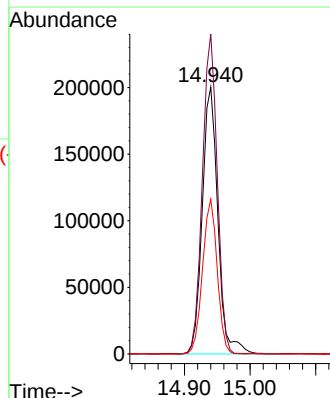
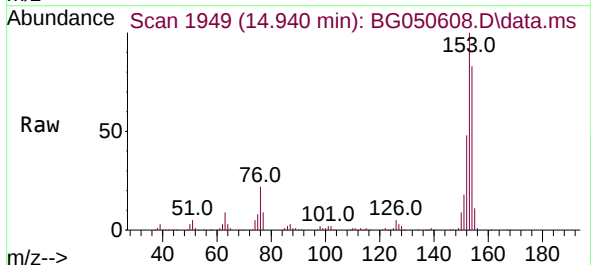
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

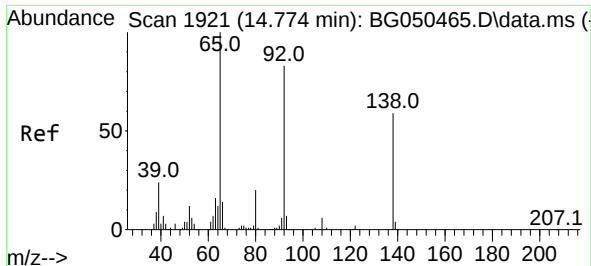
Tgt Ion:165 Resp: 95314
Ion Ratio Lower Upper
165 100
63 70.1 63.3 94.9
89 70.1 63.4 95.0



#52
Acenaphthene
Concen: 45.793 ng
RT: 14.940 min Scan# 1949
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:154 Resp: 333091
Ion Ratio Lower Upper
154 100
153 119.9 87.0 130.4
152 57.9 40.1 60.1

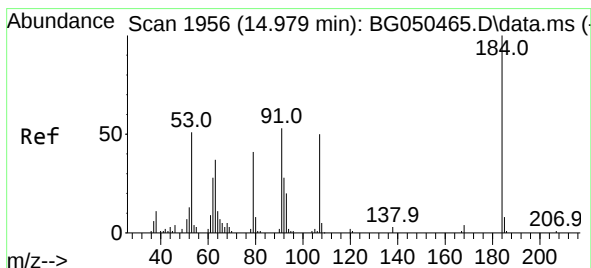
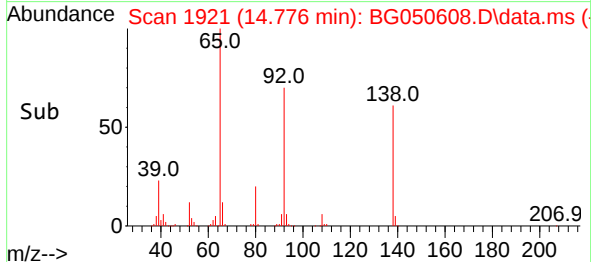
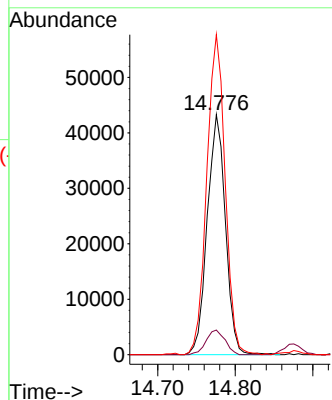
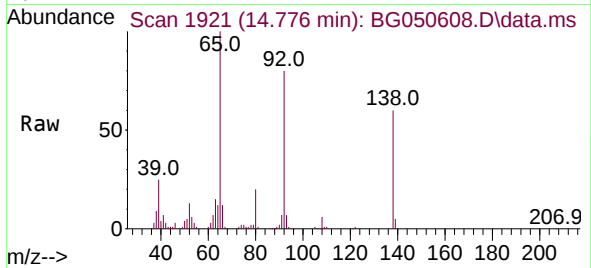




#53
3-Nitroaniline
Concen: 31.941 ng
RT: 14.776 min Scan# 1921
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

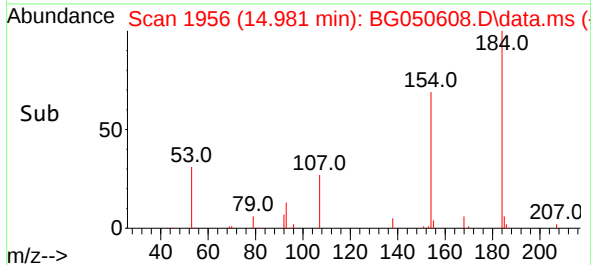
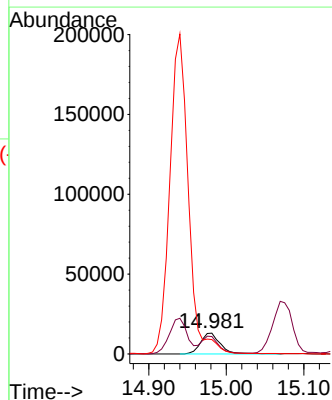
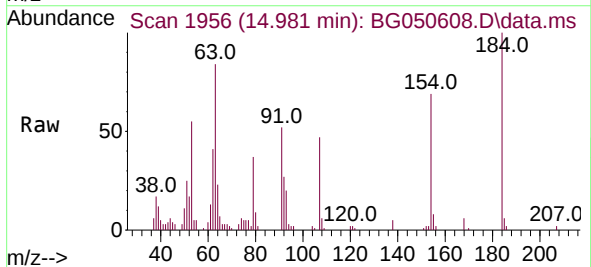
Instrument :
BNA_G
ClientSampleId :
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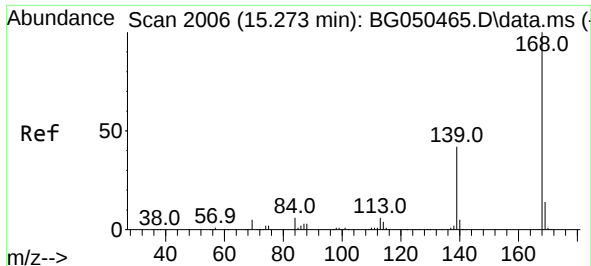
Tgt Ion:138 Resp: 70554
Ion Ratio Lower Upper
138 100
108 10.3 8.3 12.5
92 133.4 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 19.963 ng
RT: 14.981 min Scan# 1956
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:184 Resp: 23127
Ion Ratio Lower Upper
184 100
63 84.0 68.3 102.5
154 69.0 62.6 93.8

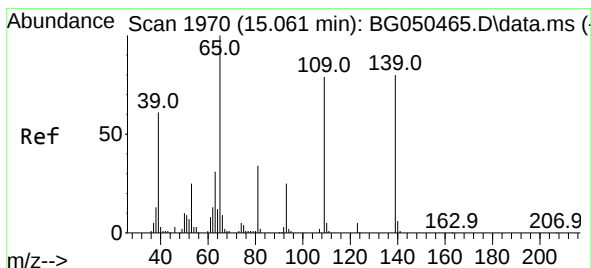
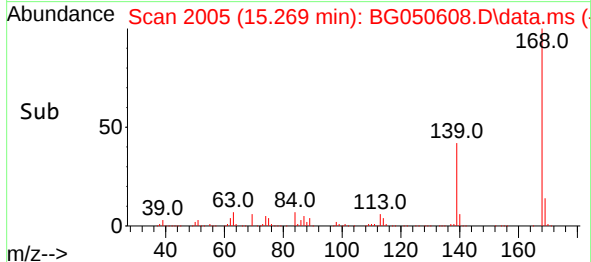
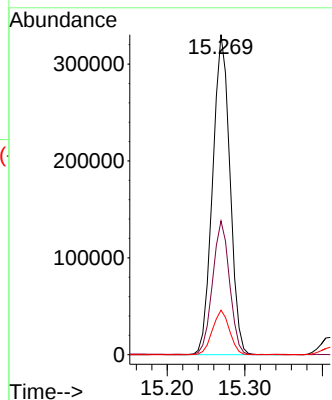
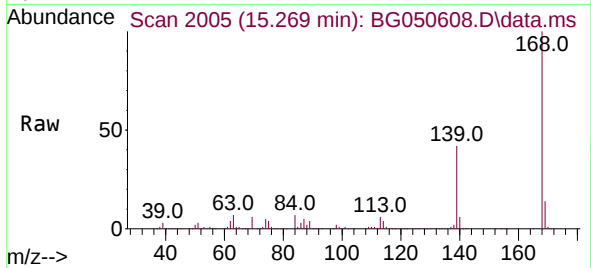




#55
Dibenzofuran
Concen: 45.520 ng
RT: 15.269 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

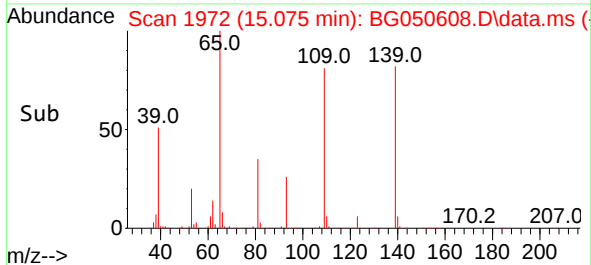
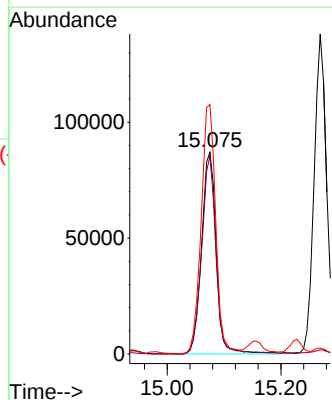
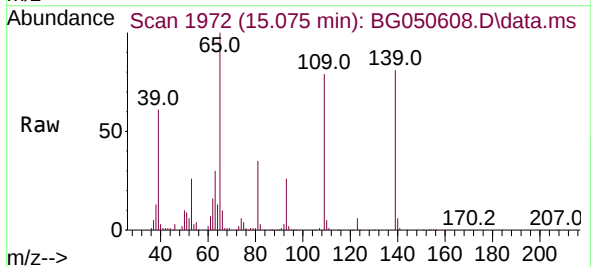
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

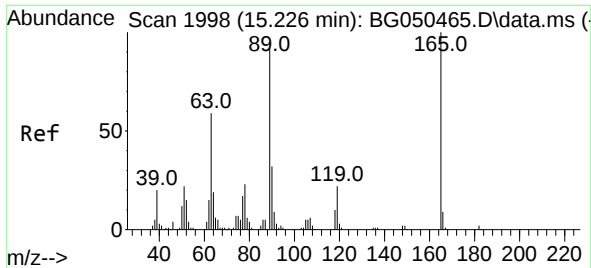
Tgt Ion:168 Resp: 512080
Ion Ratio Lower Upper
168 100
139 41.8 33.4 50.2
169 13.9 12.3 18.5



#56
4-Nitrophenol
Concen: 87.597 ng
RT: 15.075 min Scan# 1972
Delta R.T. 0.007 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:139 Resp: 155645
Ion Ratio Lower Upper
139 100
109 98.3 116.3 156.3#
65 123.7 105.0 145.0

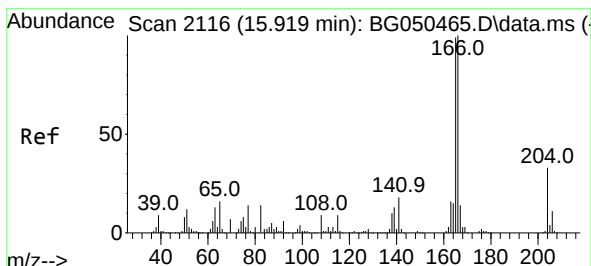
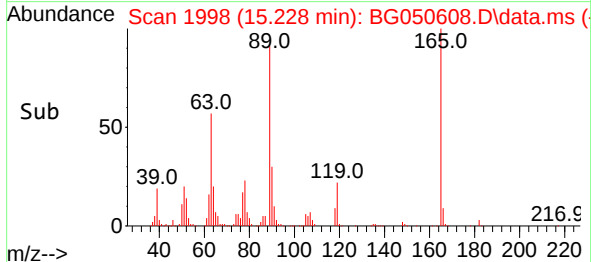
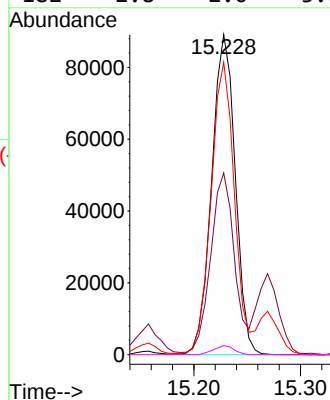
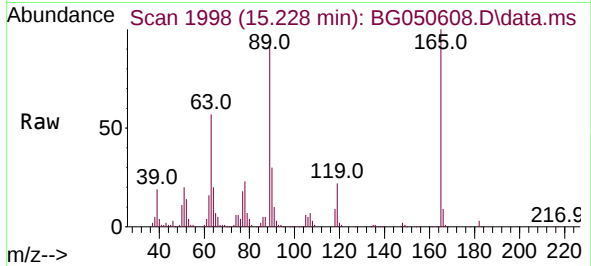




#57
2,4-Dinitrotoluene
Concen: 51.928 ng
RT: 15.228 min Scan# 1998
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

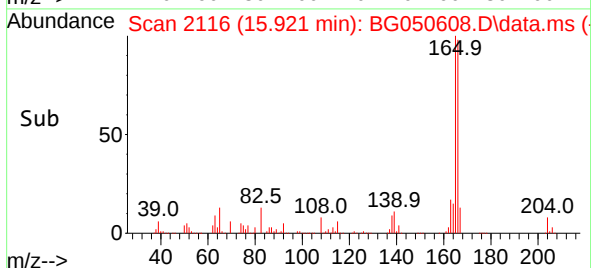
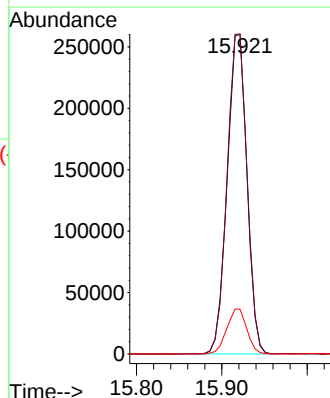
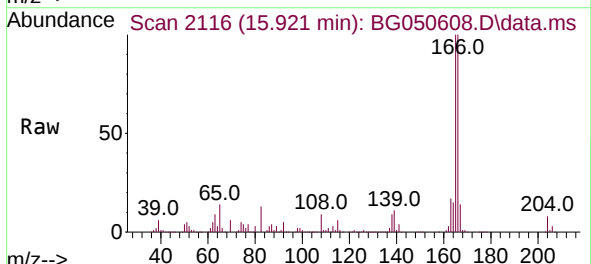
Instrument :
BNA_G
ClientSampleId :
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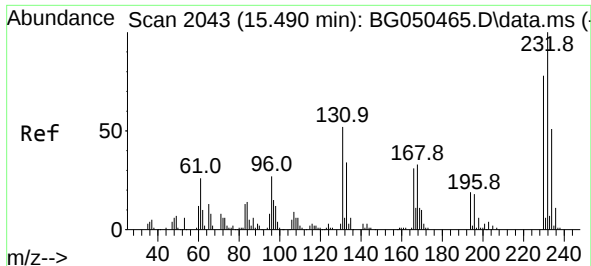
Tgt Ion:165 Resp: 136681
Ion Ratio Lower Upper
165 100
63 56.7 48.0 72.0
89 91.4 65.4 98.0
182 2.8 2.0 3.0



#58
Fluorene
Concen: 48.496 ng
RT: 15.921 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:166 Resp: 419052
Ion Ratio Lower Upper
166 100
165 100.1 77.7 116.5
167 14.0 10.8 16.2

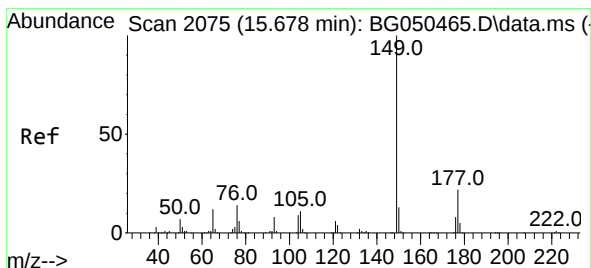
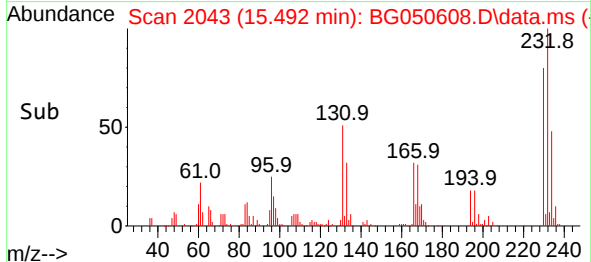
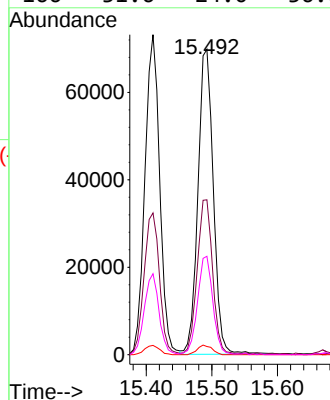
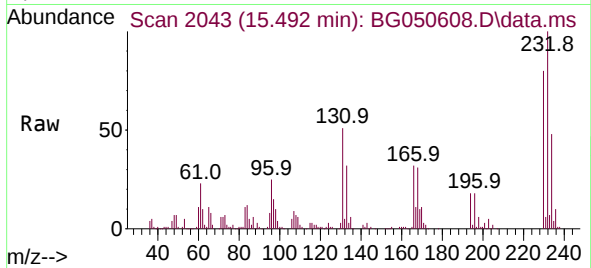




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.810 ng
RT: 15.492 min Scan# 2043
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

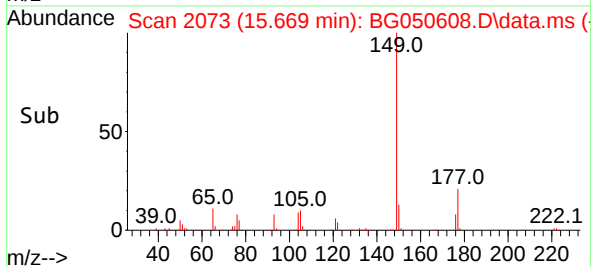
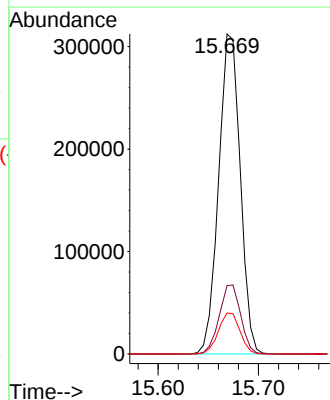
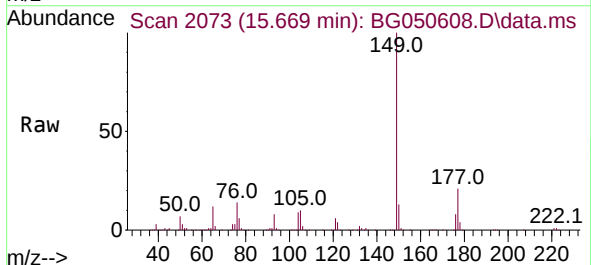
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

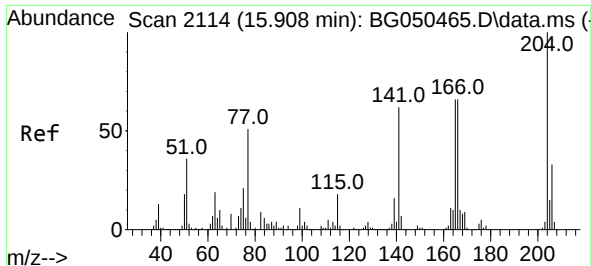
Tgt Ion:232 Resp: 114097
Ion Ratio Lower Upper
232 100
131 50.2 37.2 55.8
130 3.0 2.8 4.2
166 31.6 24.0 36.0



#60
Diethylphthalate
Concen: 47.611 ng
RT: 15.669 min Scan# 2073
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:149 Resp: 466397
Ion Ratio Lower Upper
149 100
177 21.4 19.0 28.6
150 12.8 10.2 15.4

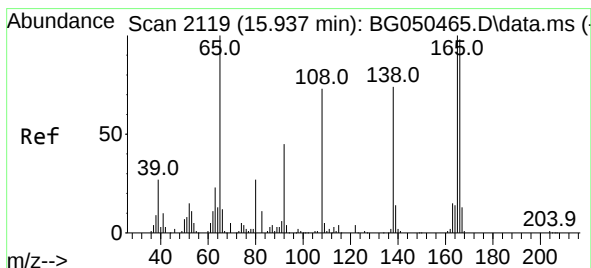
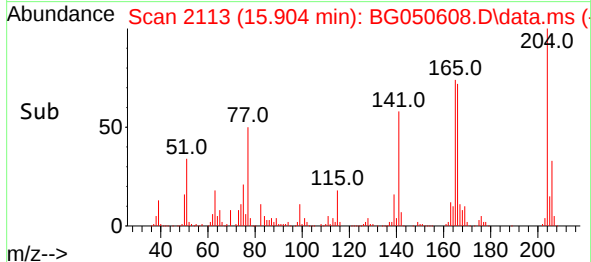
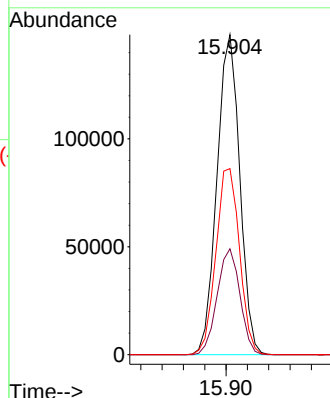
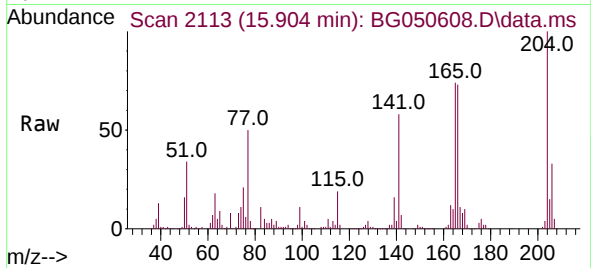




#61
4-Chlorophenyl-phenylether
Concen: 46.547 ng
RT: 15.904 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

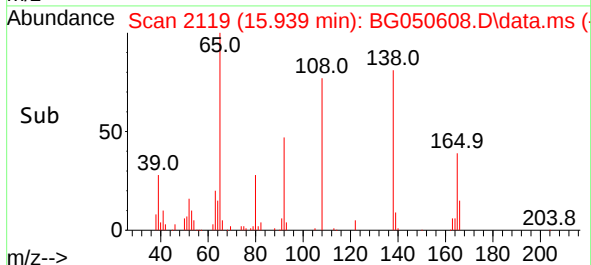
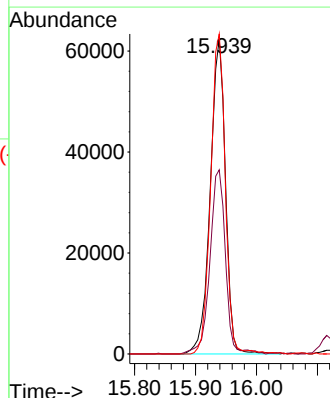
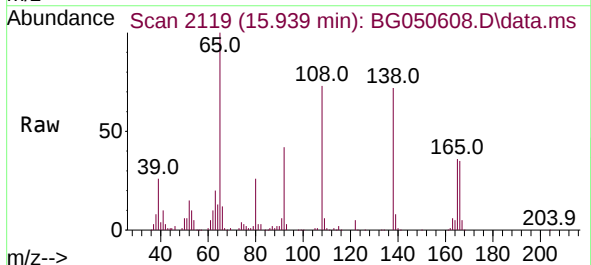
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

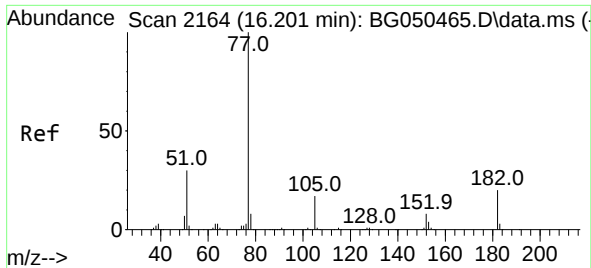
Tgt Ion:204 Resp: 220072
Ion Ratio Lower Upper
204 100
206 33.1 24.6 37.0
141 58.1 47.8 71.8



#62
4-Nitroaniline
Concen: 47.148 ng
RT: 15.939 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

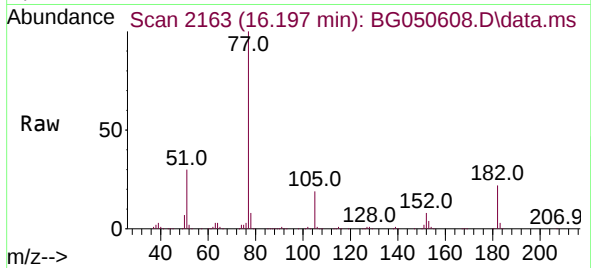
Tgt Ion:138 Resp: 108353
Ion Ratio Lower Upper
138 100
92 58.4 32.3 72.3
108 101.5 132.4 172.4#



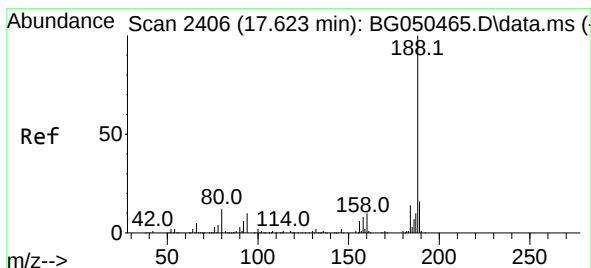
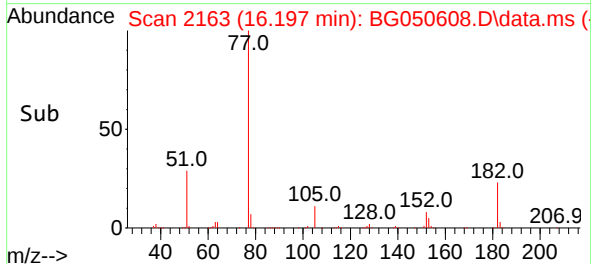
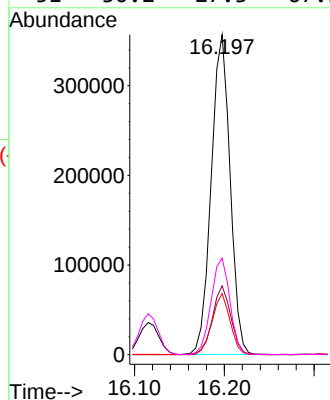


#63
Azobenzene
Concen: 45.906 ng
RT: 16.197 min Scan# 2163
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

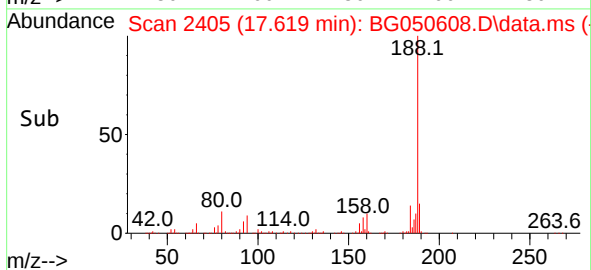
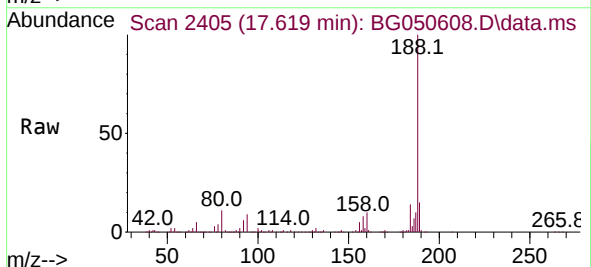
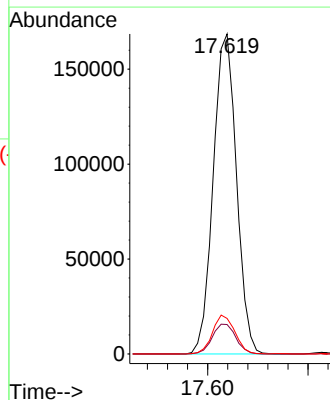


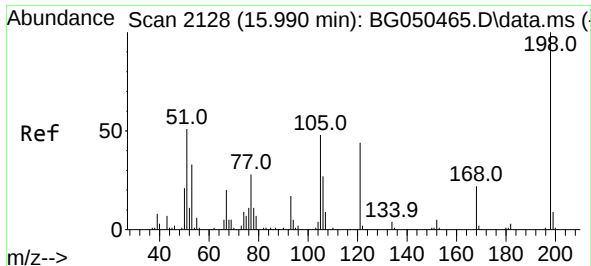
Tgt Ion: 77	Resp: 520550
Ion Ratio	Lower Upper
77 100	
182 21.5	7.9 47.9
105 19.1	0.0 37.9
51 30.2	27.3 67.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion: 188	Resp: 270713
Ion Ratio	Lower Upper
188 100	
94 9.2	5.4 8.0#
80 11.1	3.7 5.5#

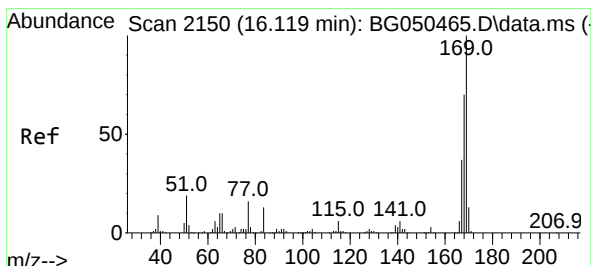
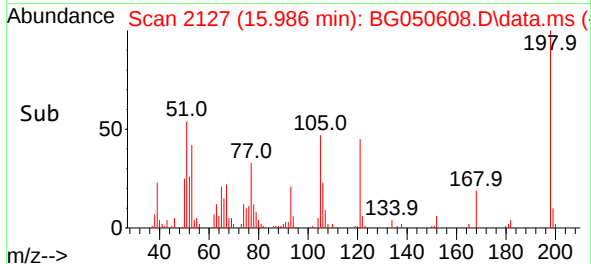
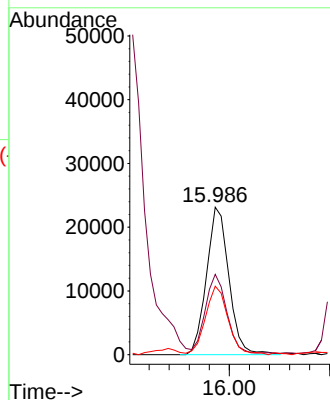
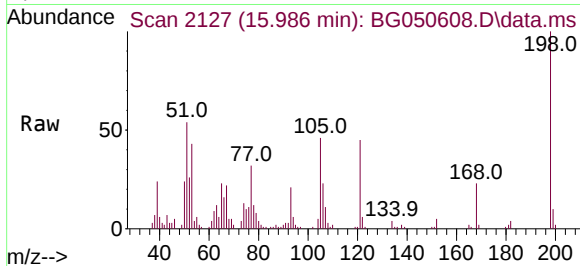




#65
4,6-Dinitro-2-methylphenol
Concen: 22.138 ng
RT: 15.986 min Scan# 2127
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

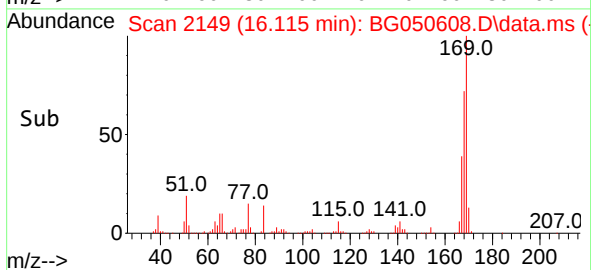
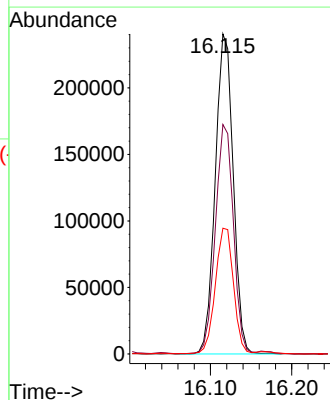
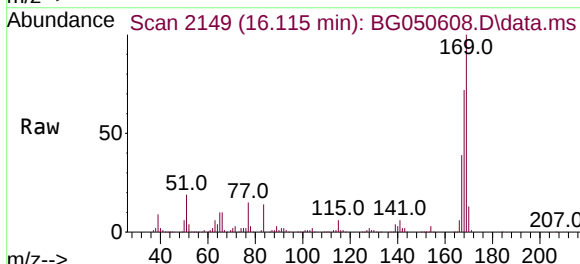
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

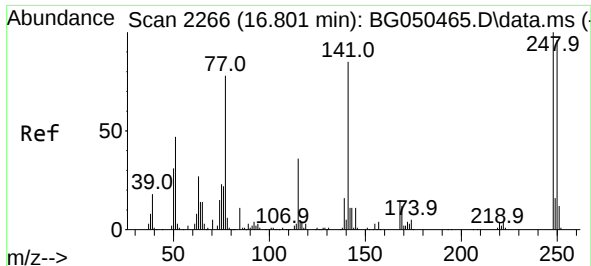
Tgt Ion	Ratio	Lower	Upper
198	100		
51	54.4	29.4	69.4
105	46.4	15.1	55.1



#66
n-Nitrosodiphenylamine
Concen: 48.059 ng
RT: 16.115 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.7	56.3	84.5
167	39.3	28.4	42.6

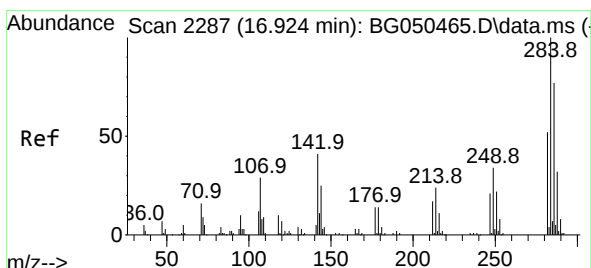
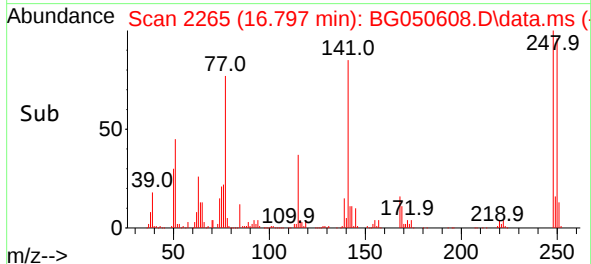
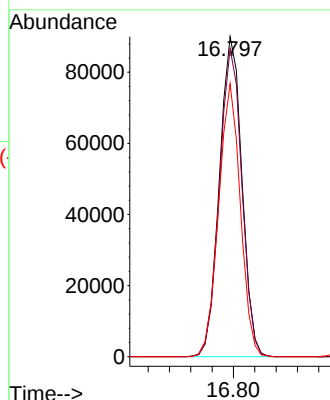
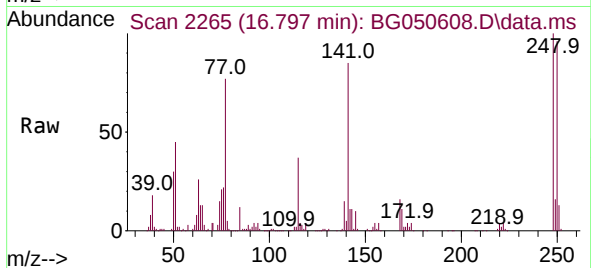




#67
4-Bromophenyl-phenylether
Concen: 48.330 ng
RT: 16.797 min Scan# 2265
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

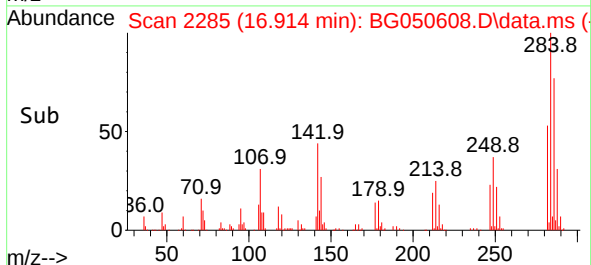
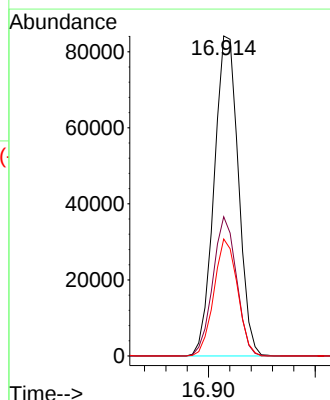
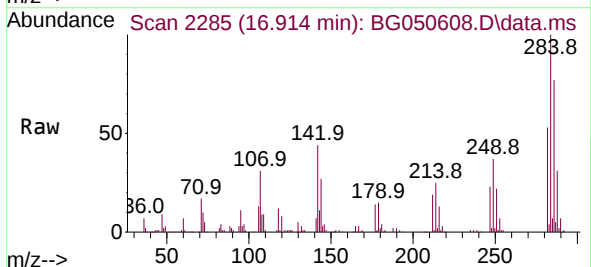
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

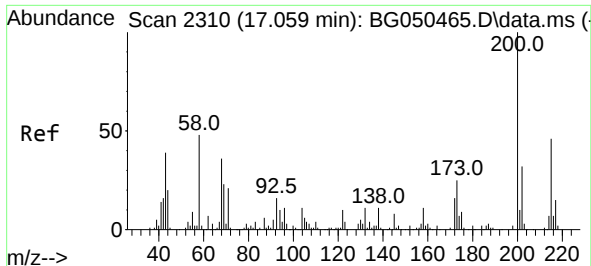
Tgt Ion:248 Resp: 131841
Ion Ratio Lower Upper
248 100
250 96.3 76.1 114.1
141 85.3 65.4 98.2



#68
Hexachlorobenzene
Concen: 48.904 ng
RT: 16.914 min Scan# 2285
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:284 Resp: 132590
Ion Ratio Lower Upper
284 100
142 43.5 27.0 40.6#
249 36.6 28.2 42.2

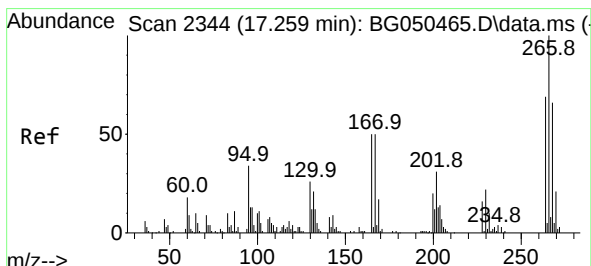
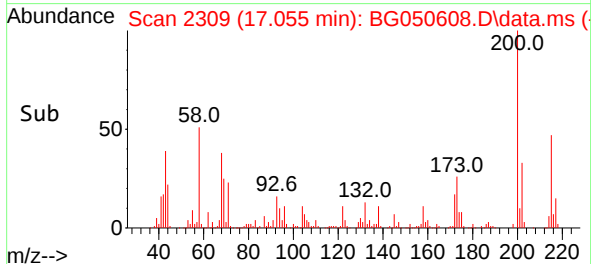
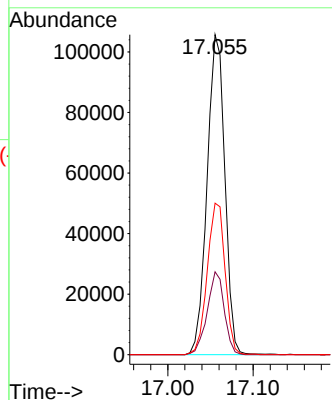
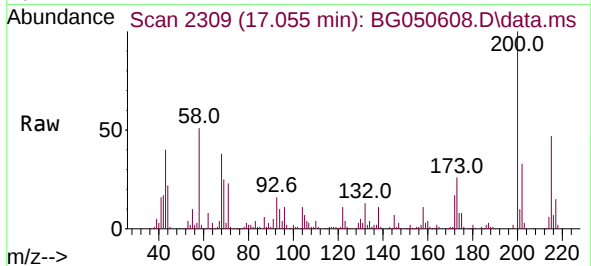




#69
Atrazine
Concen: 50.410 ng
RT: 17.055 min Scan# 2309
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

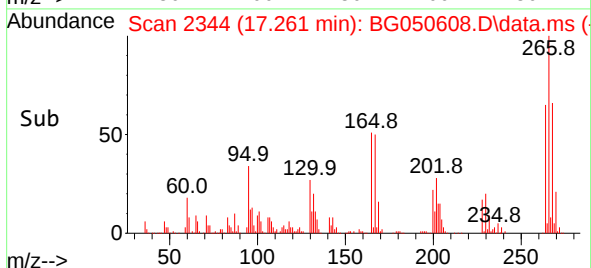
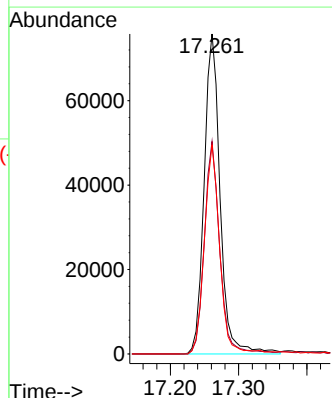
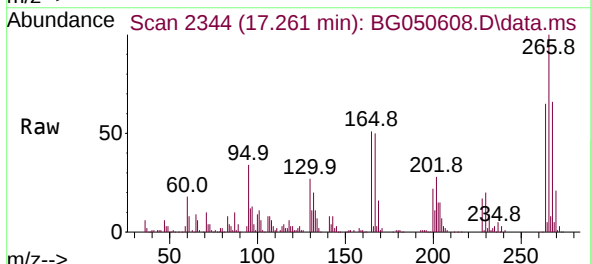
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

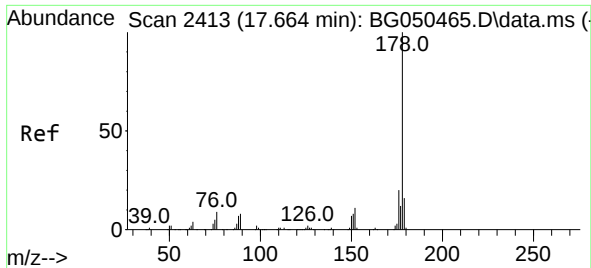
Tgt Ion:200 Resp: 152746
Ion Ratio Lower Upper
200 100
173 25.9 3.7 43.7
215 47.4 26.9 66.9



#70
Pentachlorophenol
Concen: 66.909 ng
RT: 17.261 min Scan# 2344
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:266 Resp: 123493
Ion Ratio Lower Upper
266 100
268 66.4 49.0 73.4
264 65.3 49.0 73.6

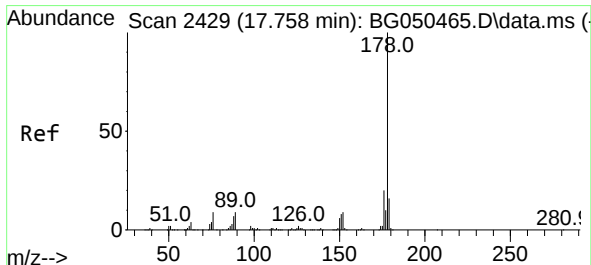
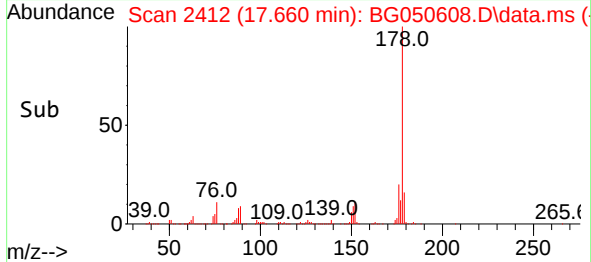
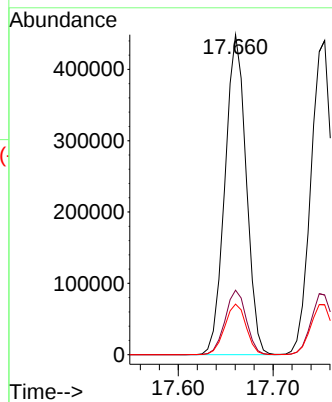
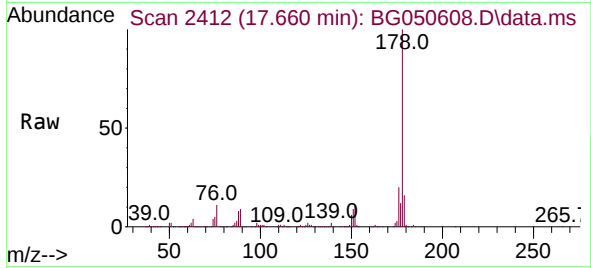




#71
Phenanthrene
Concen: 48.843 ng
RT: 17.660 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

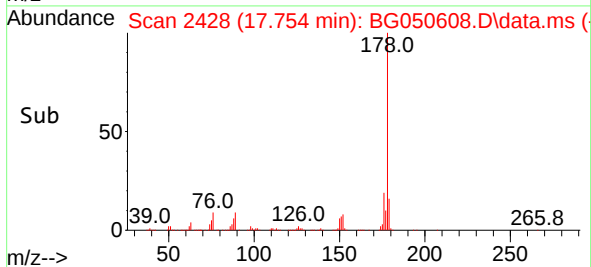
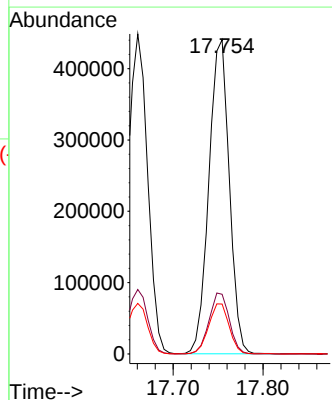
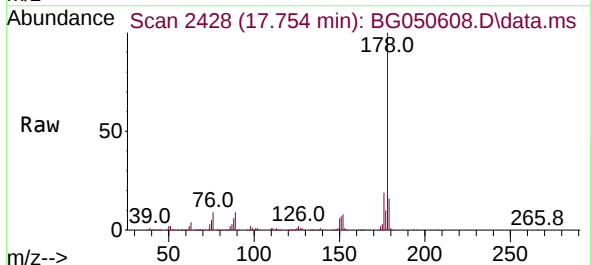
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

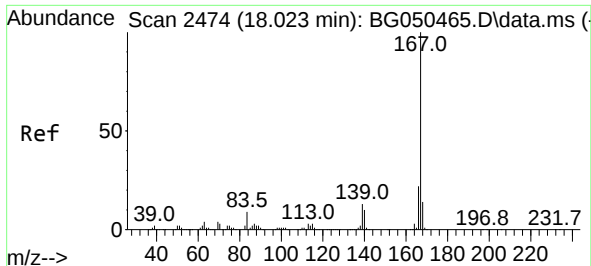
Tgt Ion:178 Resp: 696764
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.8 14.2 21.4



#72
Anthracene
Concen: 49.057 ng
RT: 17.754 min Scan# 2428
Delta R.T. 0.001 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

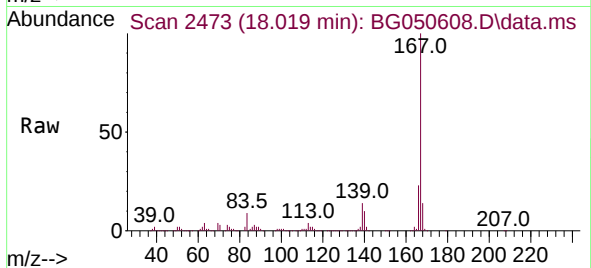
Tgt Ion:178 Resp: 695423
Ion Ratio Lower Upper
178 100
176 19.0 14.6 21.8
179 15.9 13.4 20.0



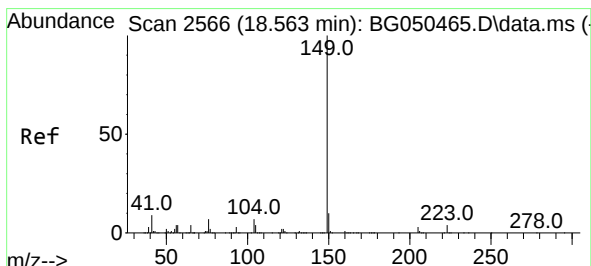
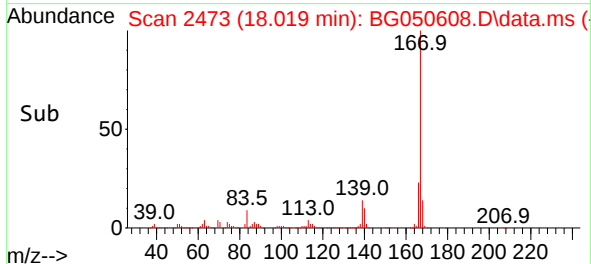
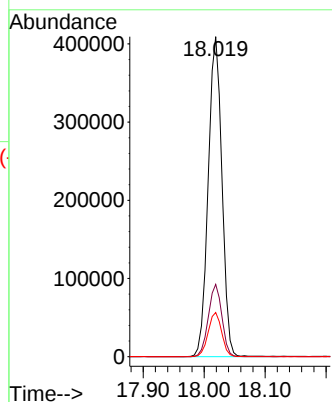


#73
Carbazole
Concen: 45.351 ng
RT: 18.019 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

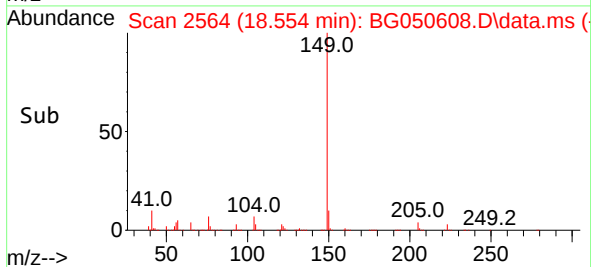
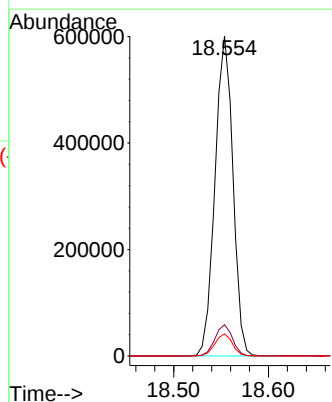
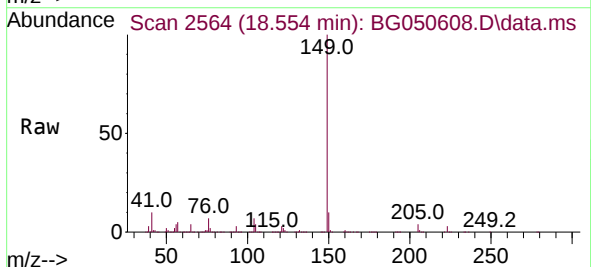


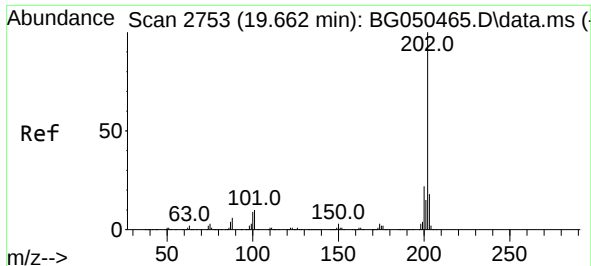
Tgt Ion:167 Resp: 640738
Ion Ratio Lower Upper
167 100
166 22.6 17.4 26.2
139 13.8 10.7 16.1



#74
Di-n-butylphthalate
Concen: 47.600 ng
RT: 18.554 min Scan# 2564
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:149 Resp: 789223
Ion Ratio Lower Upper
149 100
150 9.7 7.5 11.3
104 6.9 6.6 10.0

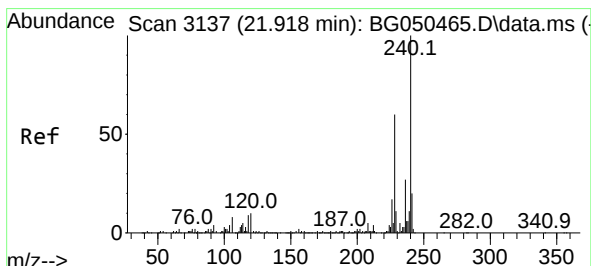
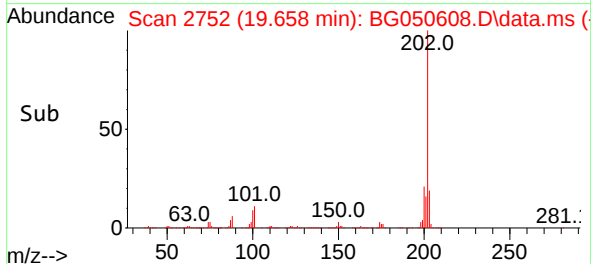
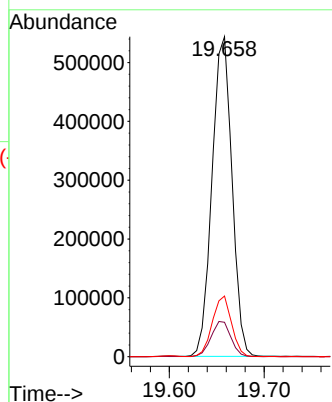
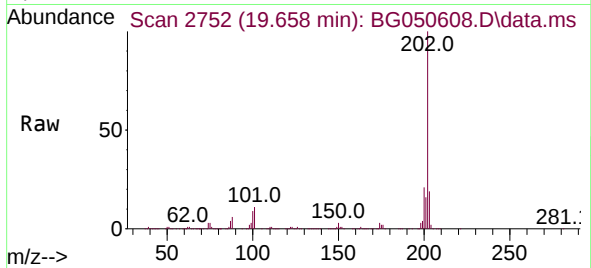




#75
Fluoranthene
Concen: 45.388 ng
RT: 19.658 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

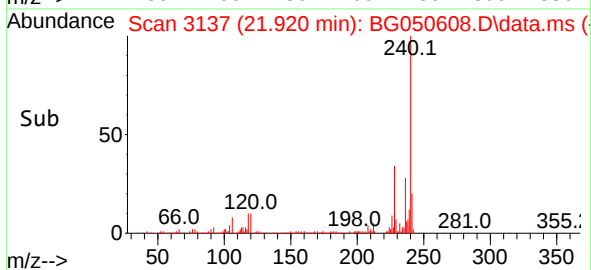
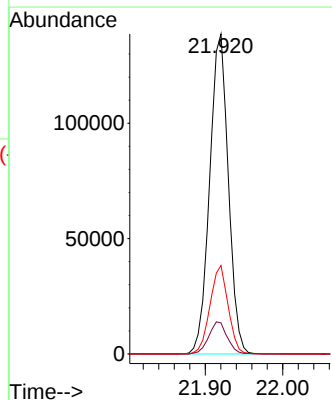
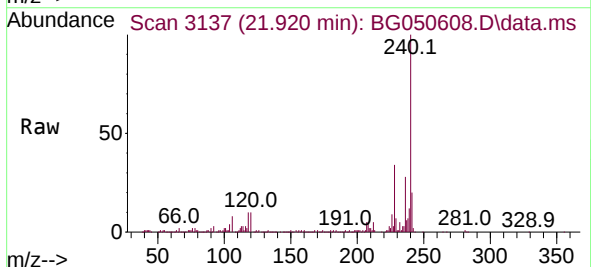
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

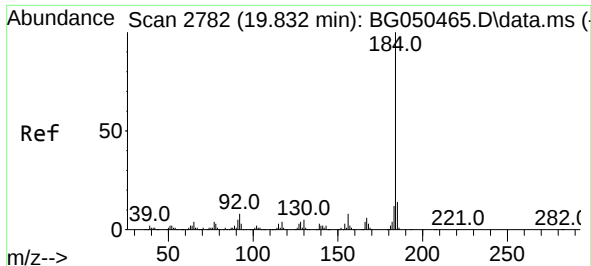
Tgt Ion:202 Resp: 795910
Ion Ratio Lower Upper
202 100
101 10.7 0.0 24.7
203 19.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:240 Resp: 232005
Ion Ratio Lower Upper
240 100
120 9.7 4.2 6.2#
236 27.6 21.8 32.6

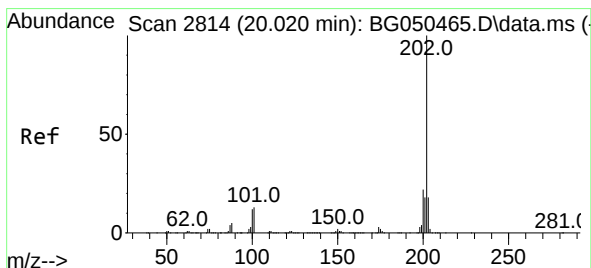
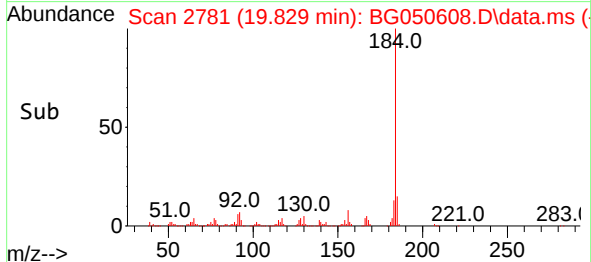
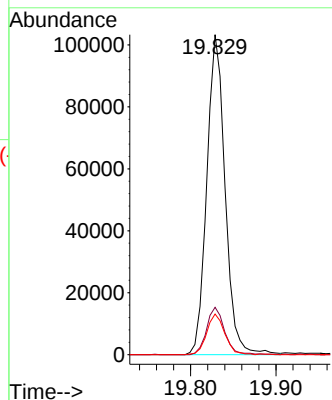
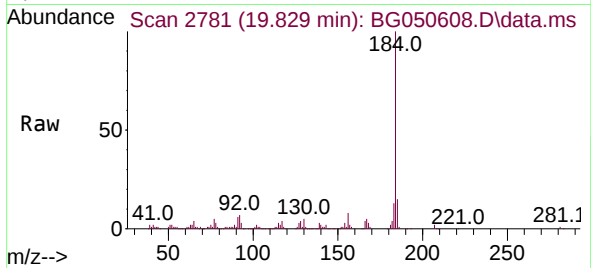




#77
Benzidine
Concen: 20.494 ng
RT: 19.829 min Scan# 2781
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

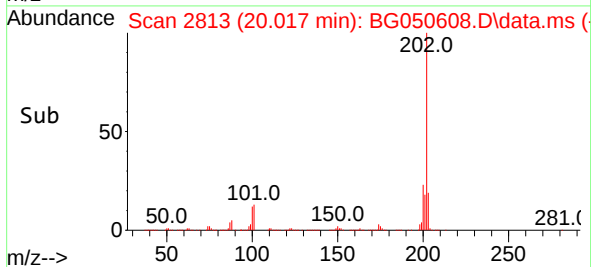
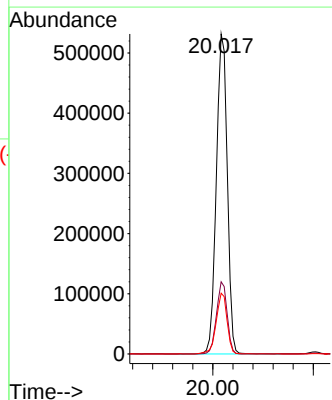
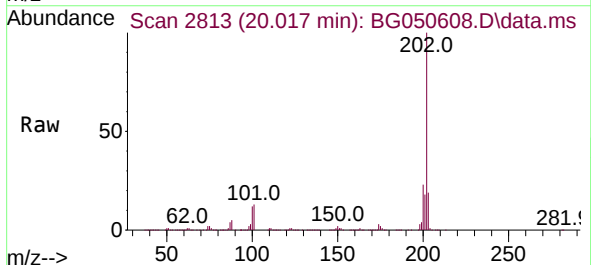
Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

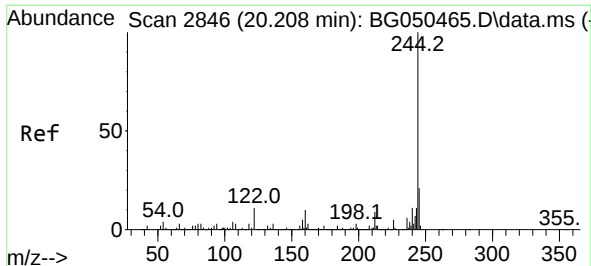
Tgt Ion:184 Resp: 154107
Ion Ratio Lower Upper
184 100
185 14.8 10.7 16.1
183 12.7 9.4 14.0



#78
Pyrene
Concen: 48.822 ng
RT: 20.017 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:202 Resp: 803649
Ion Ratio Lower Upper
202 100
200 22.6 15.8 23.8
203 19.0 14.6 21.8

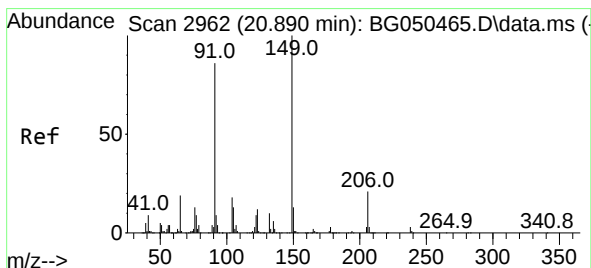
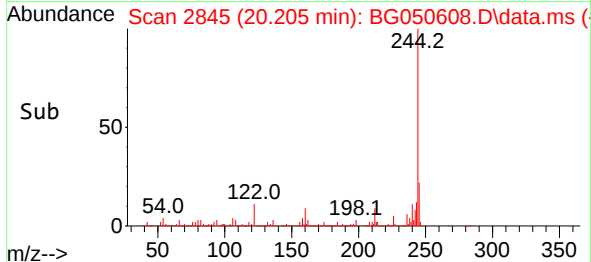
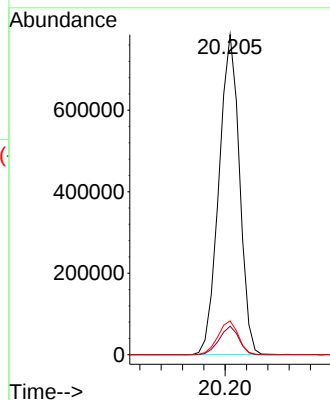
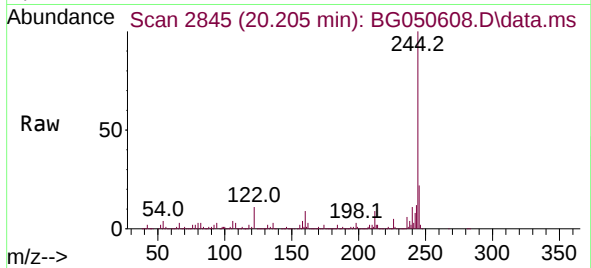




#79
 Terphenyl-d14
 Concen: 88.093 ng
 RT: 20.205 min Scan# 2845
 Delta R.T. -0.004 min
 Lab File: BG050608.D
 Acq: 15 Oct 2021 18:08

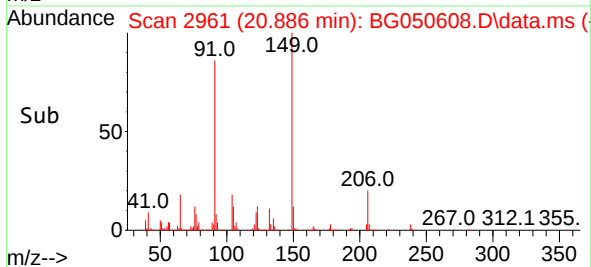
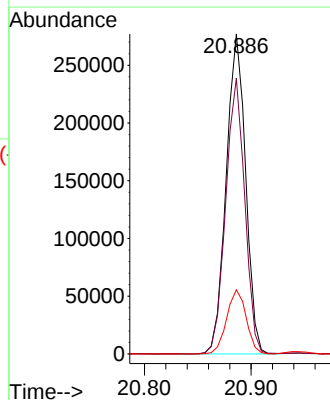
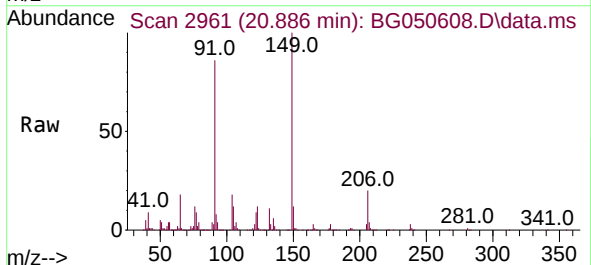
Instrument :
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 ClientSampleId :
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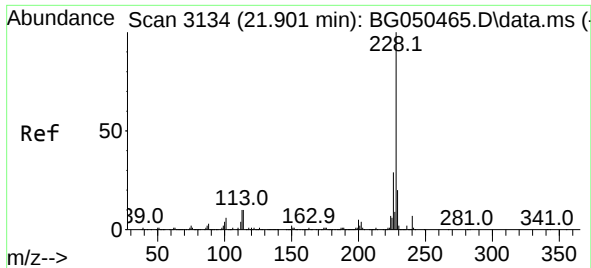
Tgt Ion:244 Resp: 1048739
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.9 10.3
 122 10.6 5.0 7.6#



#80
 Butylbenzylphthalate
 Concen: 50.285 ng
 RT: 20.886 min Scan# 2961
 Delta R.T. -0.005 min
 Lab File: BG050608.D
 Acq: 15 Oct 2021 18:08

Tgt Ion:149 Resp: 350116
 Ion Ratio Lower Upper
 149 100
 91 86.2 63.4 95.2
 206 20.1 18.4 27.6

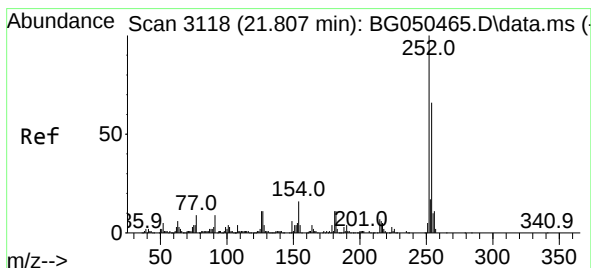
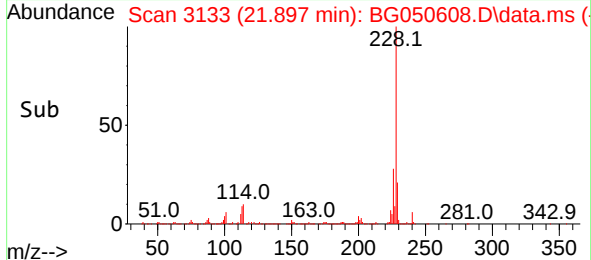
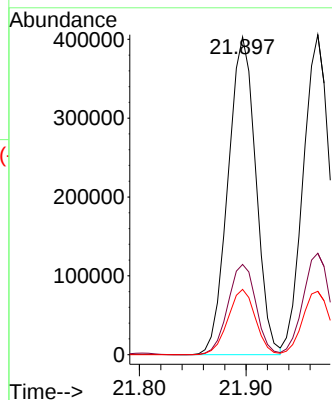
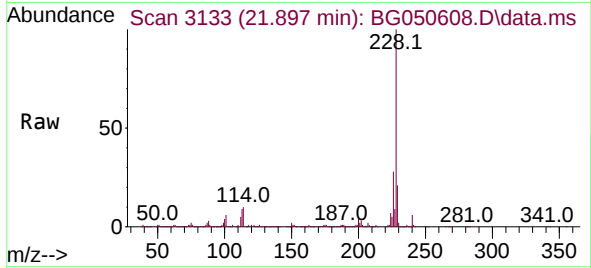




#81
Benzo(a)anthracene
Concen: 47.603 ng
RT: 21.897 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

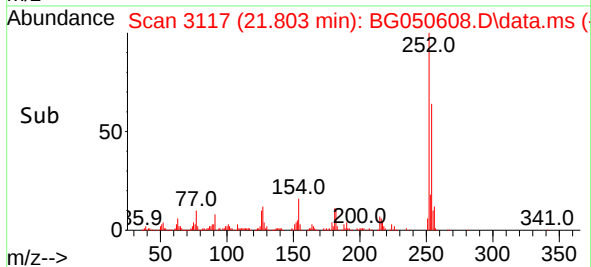
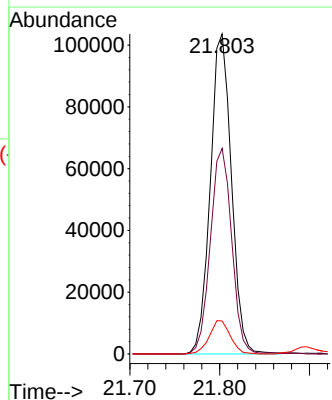
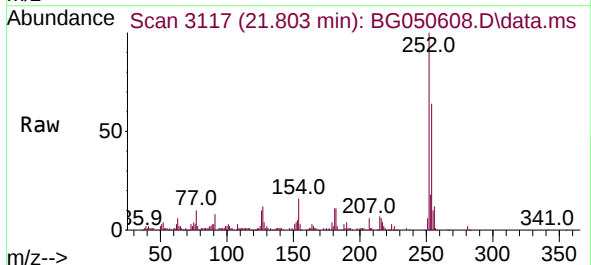
Instrument :
BNA_G
ClientSampleId :
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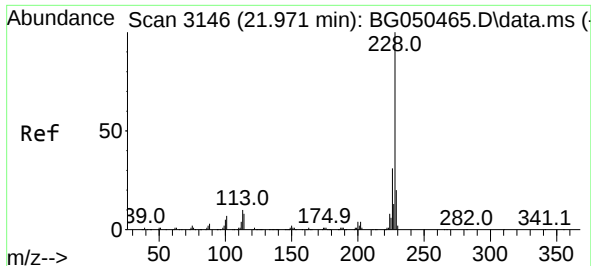
Tgt Ion:228 Resp: 730782
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 20.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 33.233 ng
RT: 21.803 min Scan# 3117
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:252 Resp: 169076
Ion Ratio Lower Upper
252 100
254 64.2 52.4 78.6
126 10.3 5.9 8.9#

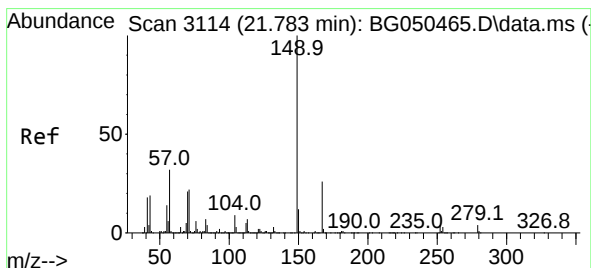
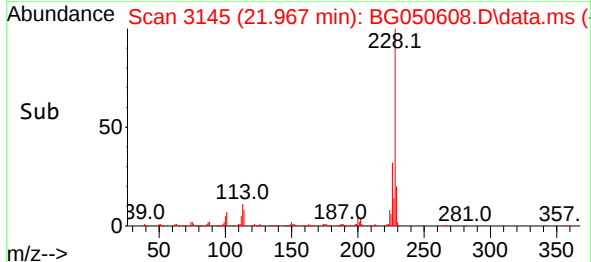
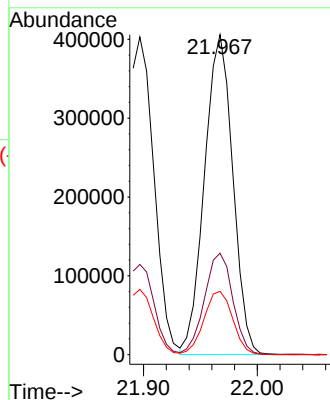
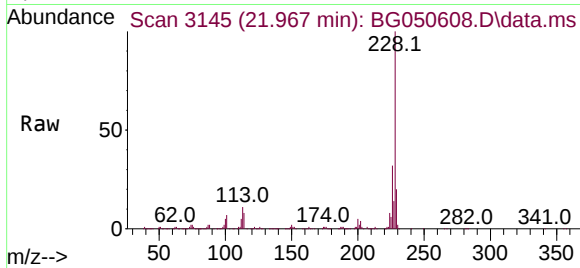




#83
Chrysene
Concen: 48.538 ng
RT: 21.967 min Scan# 3145
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

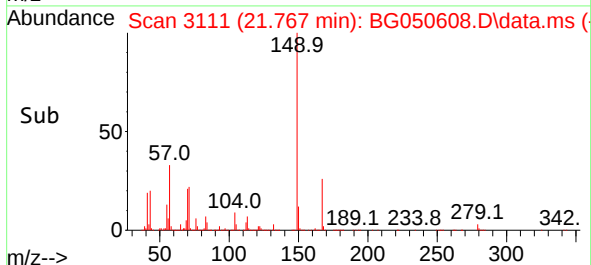
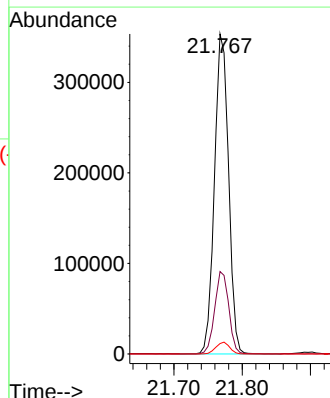
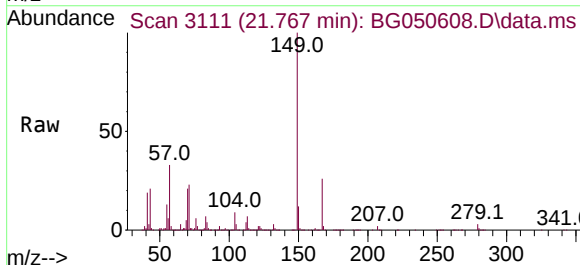
Instrument :
BNA_G
ClientSampleId :
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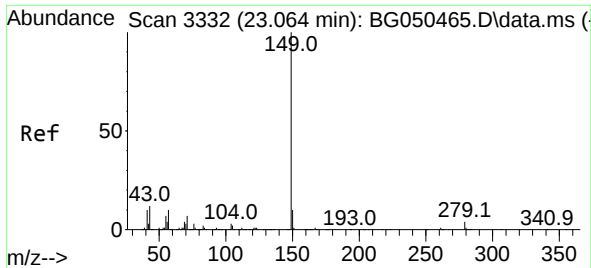
Tgt Ion:228 Resp: 700905
Ion Ratio Lower Upper
228 100
226 31.7 23.1 34.7
229 19.8 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.368 ng
RT: 21.767 min Scan# 3111
Delta R.T. -0.010 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:149 Resp: 508186
Ion Ratio Lower Upper
149 100
167 25.7 22.3 33.5
279 3.2 3.8 5.8#

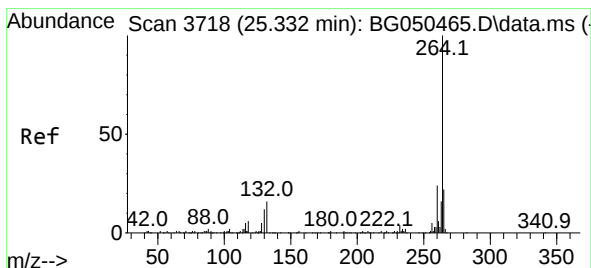
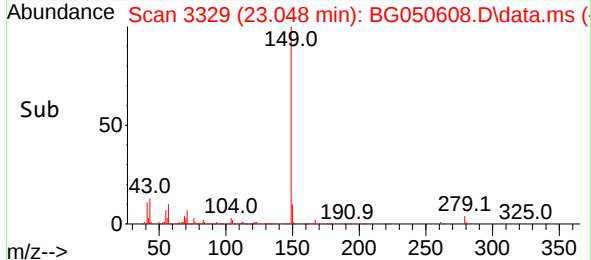
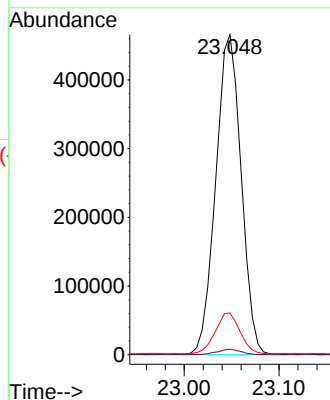
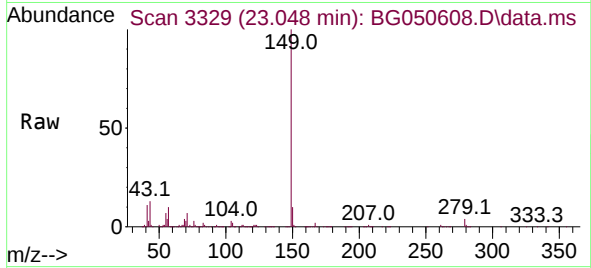




#85
Di-n-octyl phthalate
Concen: 52.432 ng
RT: 23.048 min Scan# 3329
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

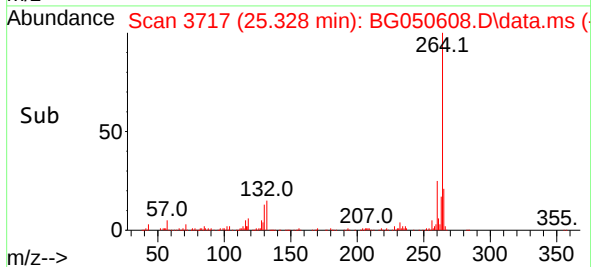
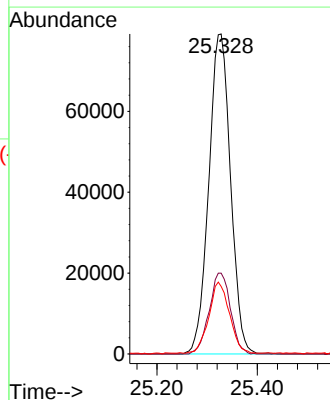
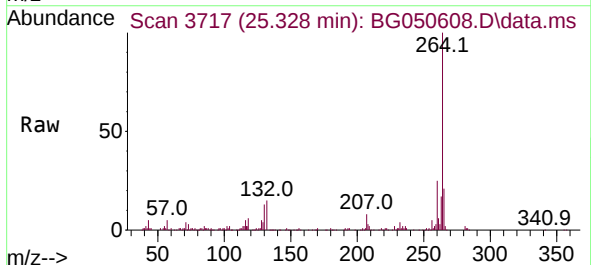
Instrument :
BNA_G
ClientSampleId :
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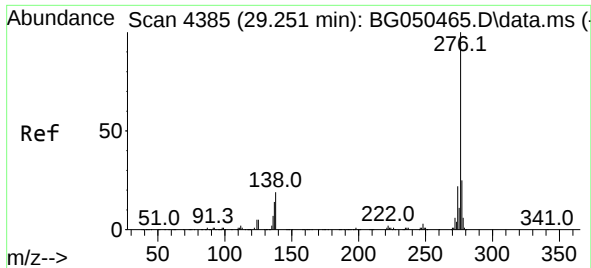
Tgt Ion:149 Resp: 865155
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.2
43 12.5 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.328 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:264 Resp: 238250
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.2
265 21.1 16.9 25.3

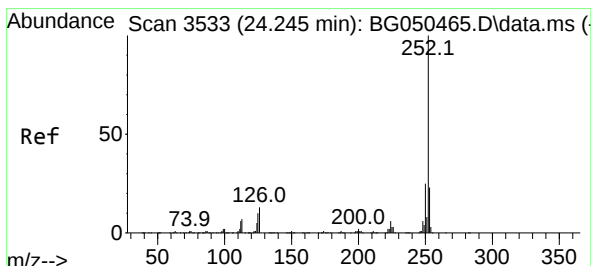
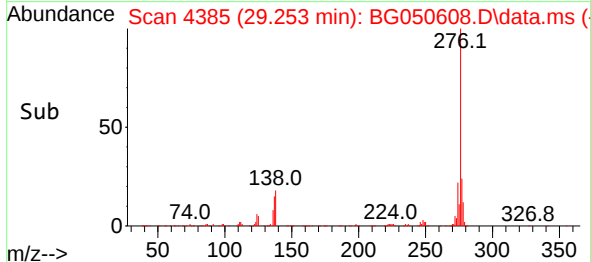
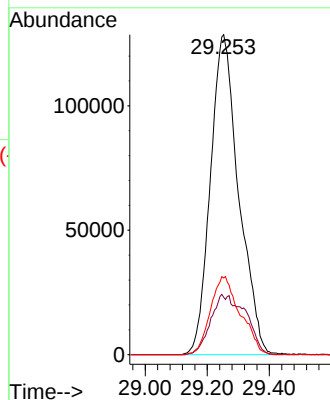
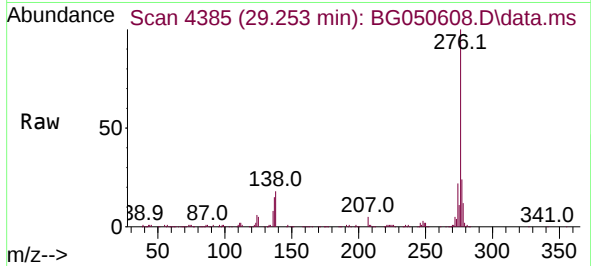




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 49.217 ng
 RT: 29.253 min Scan# 4385
 Delta R.T. -0.010 min
 Lab File: BG050608.D
 Acq: 15 Oct 2021 18:08

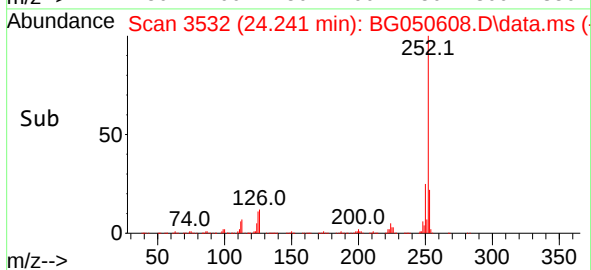
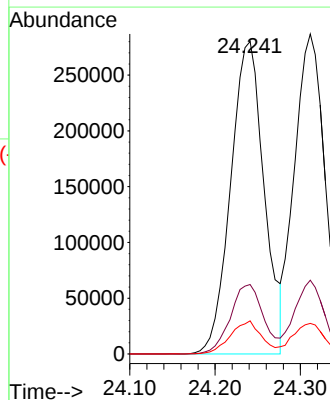
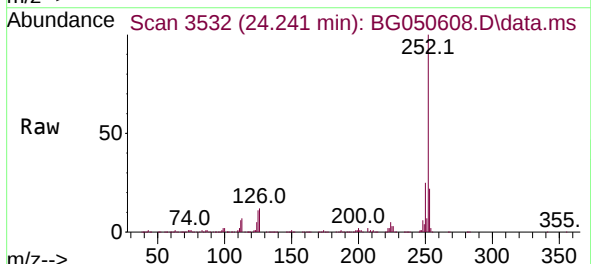
Instrument :
 BNA_G
 ClientSampleId :
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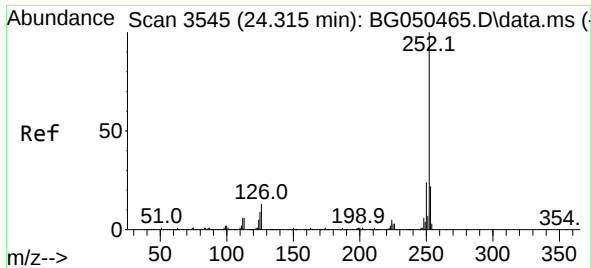
Tgt Ion:276 Resp: 816708
 Ion Ratio Lower Upper
 276 100
 138 10.1 5.1 7.7#
 277 25.8 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 52.338 ng
 RT: 24.241 min Scan# 3532
 Delta R.T. -0.005 min
 Lab File: BG050608.D
 Acq: 15 Oct 2021 18:08

Tgt Ion:252 Resp: 763661
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.2 24.4
 125 10.6 3.0 4.4#

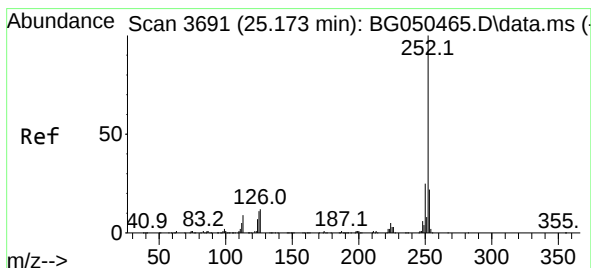
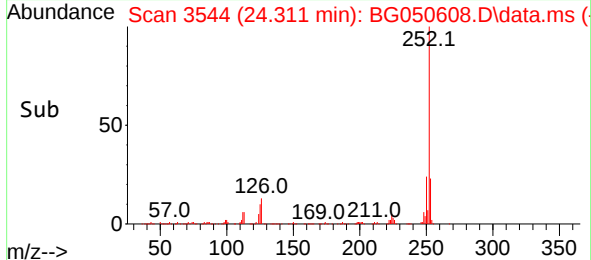
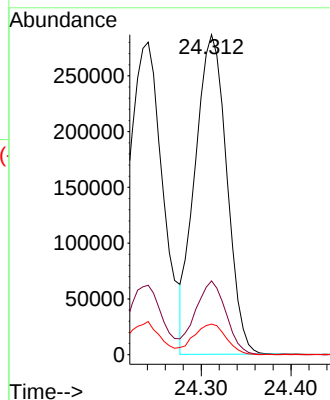
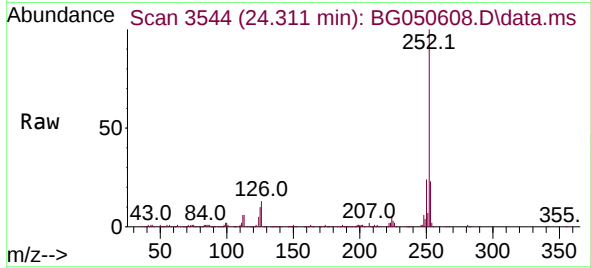




#89
Benzo(k)fluoranthene
Concen: 48.992 ng
RT: 24.311 min Scan# 3544
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

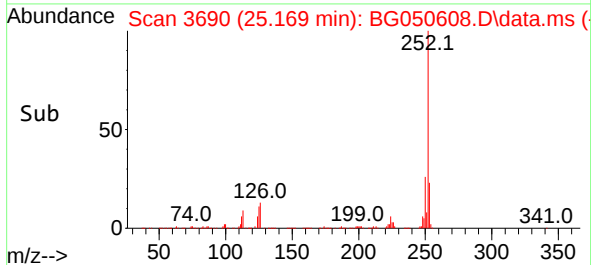
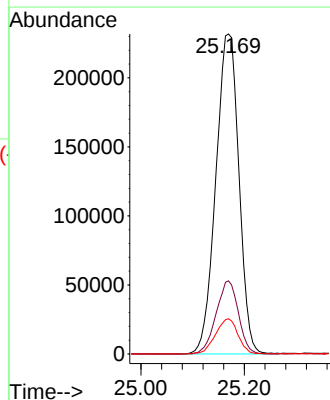
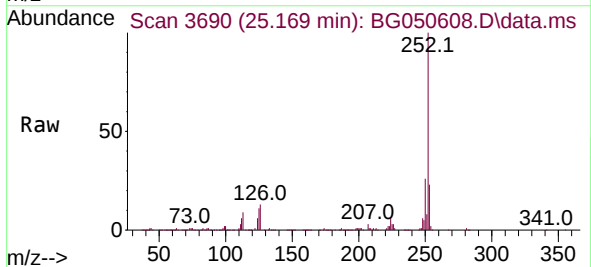
Instrument :
BNA_G
ClientSampleId :
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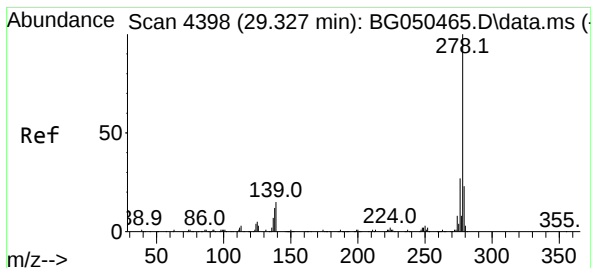
Tgt Ion:252 Resp: 703250
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 9.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 57.876 ng
RT: 25.169 min Scan# 3690
Delta R.T. -0.005 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:252 Resp: 718004
Ion Ratio Lower Upper
252 100
253 22.8 16.6 25.0
125 11.0 3.5 5.3#

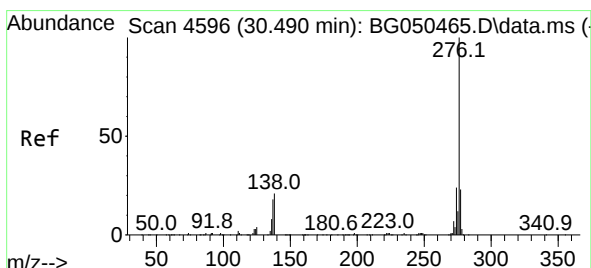
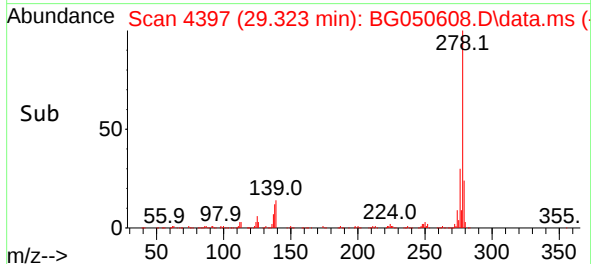
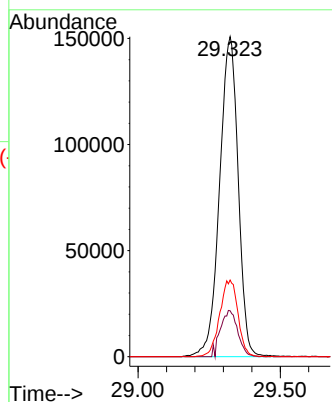
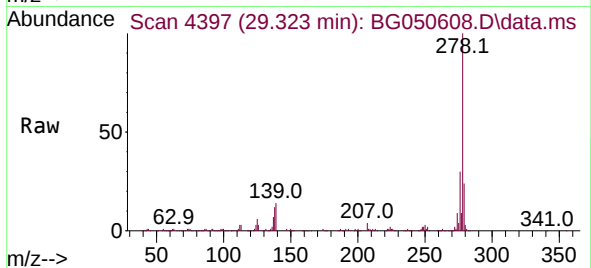




#91
Dibenzo(a,h)anthracene
Concen: 49.937 ng
RT: 29.323 min Scan# 4397
Delta R.T. -0.010 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Instrument :
BNA_G
ClientSampleId :
HAR-SOILPILE MSD

Tgt Ion:278 Resp: 685407
Ion Ratio Lower Upper
278 100
139 14.4 4.6 6.8#
279 24.0 17.9 26.9



#92
Benzo(g,h,i)perylene
Concen: 50.568 ng
RT: 30.487 min Scan# 4595
Delta R.T. -0.010 min
Lab File: BG050608.D
Acq: 15 Oct 2021 18:08

Tgt Ion:276 Resp: 679772
Ion Ratio Lower Upper
276 100
277 24.9 18.4 27.6
138 20.7 7.0 10.6#

