

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021122\
 Data File : BG052371.D
 Acq On : 11 Feb 2022 15:39
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Feb 11 16:14:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 11 13:59:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.235	152	23117	20.000	ng	0.01
21) Naphthalene-d8	11.067	136	92838	20.000	ng	# 0.00
39) Acenaphthene-d10	14.873	164	70255	20.000	ng	0.00
64) Phenanthrene-d10	17.622	188	179050	20.000	ng	0.00
76) Chrysene-d12	21.940	240	188994	20.000	ng	# 0.00
86) Perylene-d12	25.412	264	191554	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	126963	95.721	ng	0.01
7) Phenol-d6	7.377	99	184332	90.070	ng	0.00
23) Nitrobenzene-d5	9.404	82	138250	64.720	ng	0.00
42) 2,4,6-Tribromophenol	16.359	330	103018	102.066	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	332538	65.771	ng	0.00
79) Terphenyl-d14	20.219	244	695048	64.942	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	4840	7.925	ng	97
3) Pyridine	4.006	79	13540	7.644	ng	92
4) n-Nitrosodimethylamine	3.906	42	8277	9.050	ng	# 82
6) Aniline	7.542	93	22435	9.436	ng	92
8) 2-Chlorophenol	7.795	128	12595	8.632	ng	98
9) Benzaldehyde	7.354	77	14686	11.690	ng	88
10) Phenol	7.407	94	17256	8.486	ng	91
11) bis(2-Chloroethyl)ether	7.636	93	13083	8.417	ng	92
12) 1,3-Dichlorobenzene	8.123	146	14911	8.969	ng	94
13) 1,4-Dichlorobenzene	8.270	146	14633	8.634	ng	95
14) 1,2-Dichlorobenzene	8.593	146	14474	8.660	ng	94
15) Benzyl Alcohol	8.464	79	14539	8.560	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.764	45	18884	8.414	ng	98
17) 2-Methylphenol	8.676	107	11683	8.707	ng	# 87
18) Hexachloroethane	9.334	117	5455	9.257	ng	89
19) n-Nitroso-di-n-propyla...	9.028	70	12856	8.333	ng	# 87
20) 3+4-Methylphenols	8.999	107	14996	7.812	ng	88
22) Acetophenone	9.058	105	23265	9.482	ng	# 91
24) Nitrobenzene	9.445	77	19065	9.409	ng	# 89
25) Isophorone	9.968	82	34557	9.508	ng	# 95
26) 2-Nitrophenol	10.174	139	7888	9.184	ng	# 81
27) 2,4-Dimethylphenol	10.221	122	13688	10.764	ng	96
28) bis(2-Chloroethoxy)met...	10.450	93	19024	9.223	ng	96
29) 2,4-Dichlorophenol	10.714	162	12493	8.197	ng	92
30) 1,2,4-Trichlorobenzene	10.926	180	15887	8.926	ng	97
31) Naphthalene	11.119	128	45504	9.350	ng	95
32) Benzoic acid	10.373	122	417	0.558	ng	# 50
33) 4-Chloroaniline	11.225	127	19290	9.493	ng	96
34) Hexachlorobutadiene	11.407	225	10485	8.723	ng	92
35) Caprolactam	11.965	113	4873	8.773	ng	95
36) 4-Chloro-3-methylphenol	12.335	107	15676	9.040	ng	94
37) 2-Methylnaphthalene	12.717	142	33140	9.168	ng	98
38) 1-Methylnaphthalene	12.935	142	33005	9.422	ng	# 99
40) 1,2,4,5-Tetrachloroben...	13.081	216	21315	9.224	ng	95
41) Hexachlorocyclopentadiene	13.064	237	9405	9.640	ng	91
43) 2,4,6-Trichlorophenol	13.393	196	13464	8.909	ng	88

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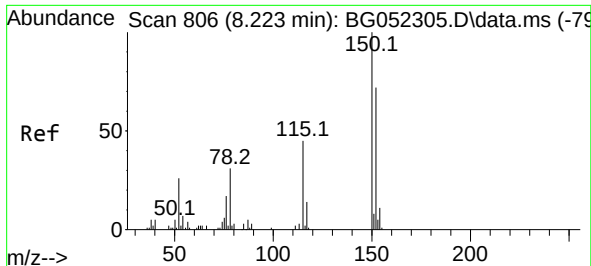
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.393	196	13464	8.221	ng	88
46) 1,1'-Biphenyl	13.710	154	48736	9.460	ng	97
47) 2-Chloronaphthalene	13.757	162	37085	9.344	ng	98
48) 2-Nitroaniline	13.951	65	12605	8.920	ng	92
49) Acenaphthylene	14.603	152	63360	9.807	ng	95
50) Dimethylphthalate	14.309	163	48854	9.077	ng	96
51) 2,6-Dinitrotoluene	14.438	165	10611	9.137	ng	# 81
52) Acenaphthene	14.938	154	35755	8.450	ng	99
53) 3-Nitroaniline	14.767	138	11217	9.292	ng	# 89
54) 2,4-Dinitrophenol	14.979	184	5831	9.260	ng	87
55) Dibenzofuran	15.273	168	60348	9.069	ng	96
56) 4-Nitrophenol	15.085	139	7309	8.062	ng	# 76
57) 2,4-Dinitrotoluene	15.220	165	15876	9.604	ng	# 82
58) Fluorene	15.919	166	49966	9.406	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.502	232	13600	8.692	ng	# 95
60) Diethylphthalate	15.666	149	50669	9.320	ng	98
61) 4-Chlorophenyl-phenyle...	15.901	204	26752	8.841	ng	96
62) 4-Nitroaniline	15.925	138	12606	9.919	ng	# 84
63) Azobenzene	16.195	77	49957	8.976	ng	96
65) 4,6-Dinitro-2-methylph...	15.995	198	7820	7.260	ng	87
66) n-Nitrosodiphenylamine	16.113	169	44027	8.924	ng	99
67) 4-Bromophenyl-phenylether	16.800	248	18165	8.342	ng	94
68) Hexachlorobenzene	16.929	284	20566	8.708	ng	94
69) Atrazine	17.053	200	18437	9.244	ng	97
70) Pentachlorophenol	17.282	266	11872	10.275	ng	87
71) Phenanthrene	17.664	178	83385	9.034	ng	98
72) Anthracene	17.758	178	84944	9.391	ng	97
73) Carbazole	18.022	167	79027	8.958	ng	97
74) Di-n-butylphthalate	18.562	149	90222	9.387	ng	98
75) Fluoranthene	19.667	202	112781	9.596	ng	98
77) Benzidine	19.837	184	58129	14.394	ng	99
78) Pyrene	20.031	202	114501	9.054	ng	98
80) Butylbenzylphthalate	20.900	149	38377	8.736	ng	91
81) Benzo(a)anthracene	21.917	228	115183	9.210	ng	98
82) 3,3'-Dichlorobenzidine	21.823	252	43573	9.980	ng	98
83) Chrysene	21.987	228	104068	8.781	ng	98
84) Bis(2-ethylhexyl)phtha...	21.793	149	53539	8.790	ng	# 96
85) Di-n-octyl phthalate	23.091	149	94423	9.246	ng	98
87) Indeno(1,2,3-cd)pyrene	29.412	276	118643	8.464	ng	98
88) Benzo(b)fluoranthene	24.302	252	112544	9.428	ng	99
89) Benzo(k)fluoranthene	24.366	252	106968	9.071	ng	98
90) Benzo(a)pyrene	25.241	252	107263	10.638	ng	98
91) Dibenzo(a,h)anthracene	29.471	278	104333	9.010	ng	97
92) Benzo(g,h,i)perylene	30.664	276	100646	8.856	ng	98

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

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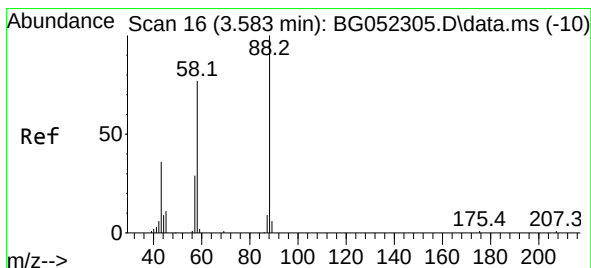
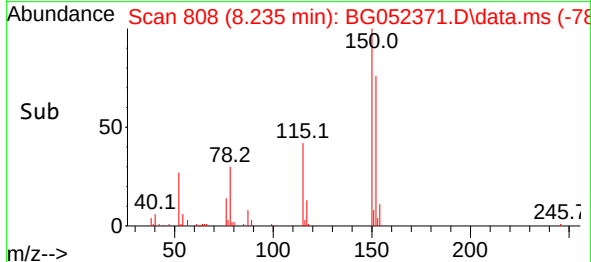
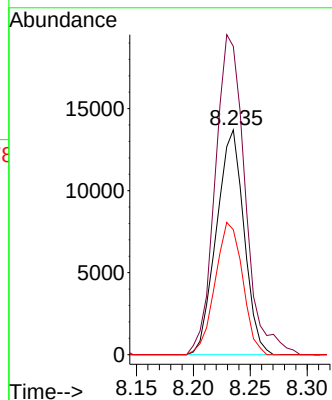
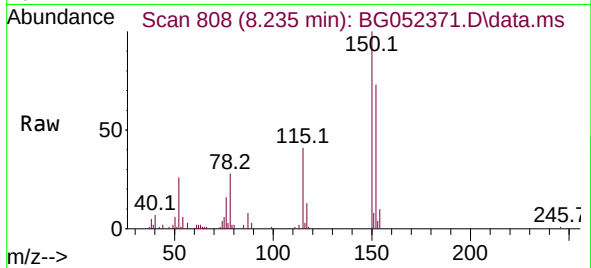




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.235 min Scan# 80
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

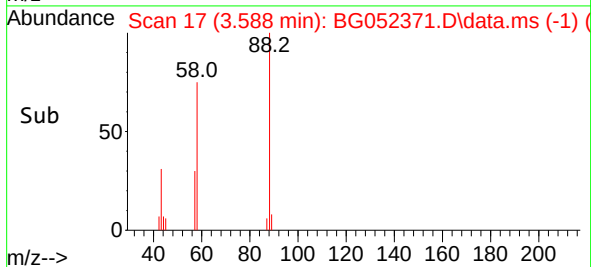
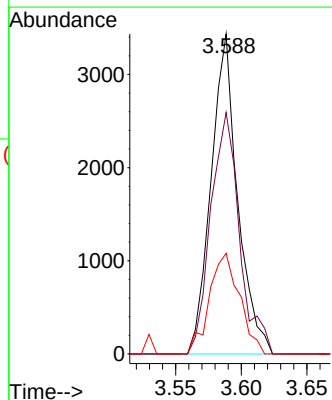
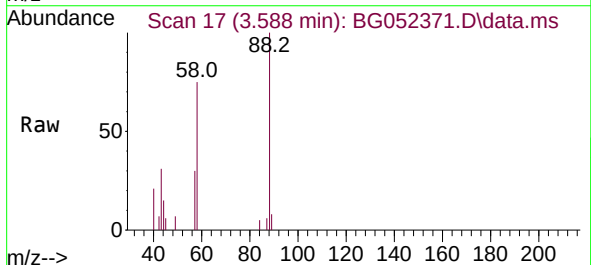
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

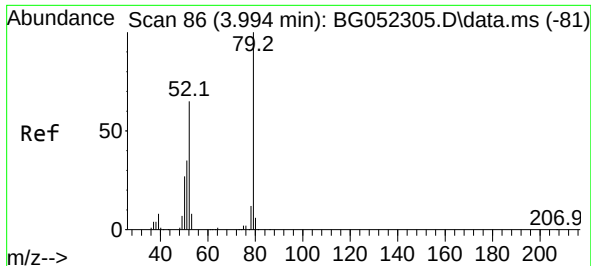
Tgt Ion:152 Resp: 23117
Ion Ratio Lower Upper
152 100
150 137.1 117.8 176.8
115 55.6 50.2 75.2



#2
1,4-Dioxane
Concen: 7.925 ng
RT: 3.588 min Scan# 17
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 88 Resp: 4840
Ion Ratio Lower Upper
88 100
58 81.3 65.8 98.8
43 35.7 31.6 47.4

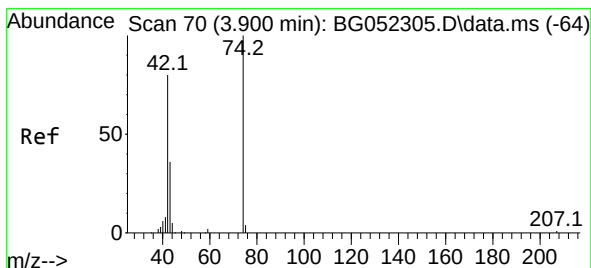
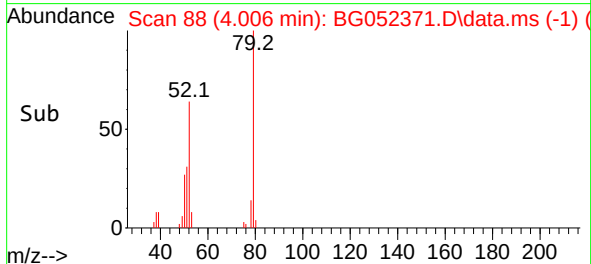
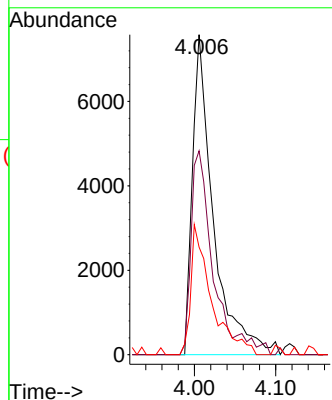
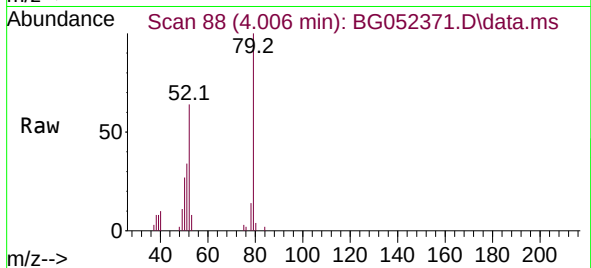




#3
 Pyridine
 Concen: 7.644 ng
 RT: 4.006 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

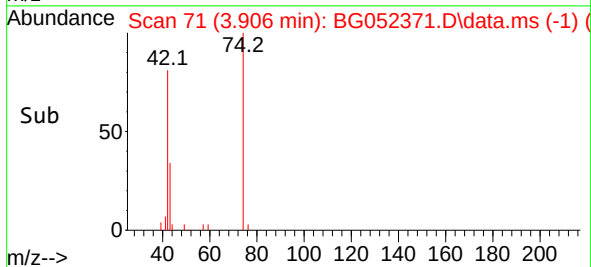
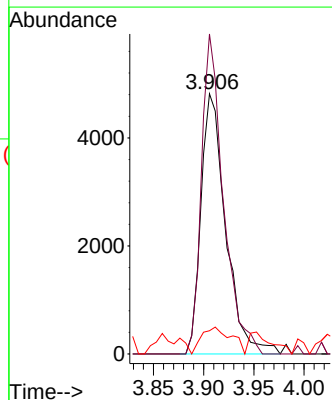
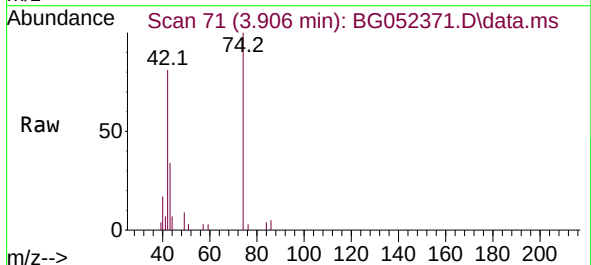
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

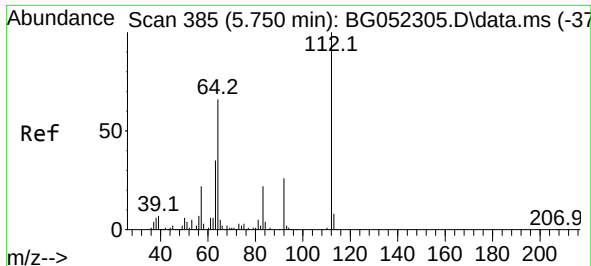
Tgt Ion: 79	Resp: 13540
Ion Ratio	Lower Upper
79 100	
52 63.7	55.0 82.6
51 33.6	32.5 48.7



#4
 n-Nitrosodimethylamine
 Concen: 9.050 ng
 RT: 3.906 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

Tgt Ion: 42	Resp: 8277		
Ion Ratio	Lower	Upper	
42	100		
74	123.0	83.0	124.4
44	8.9	5.0	7.6#

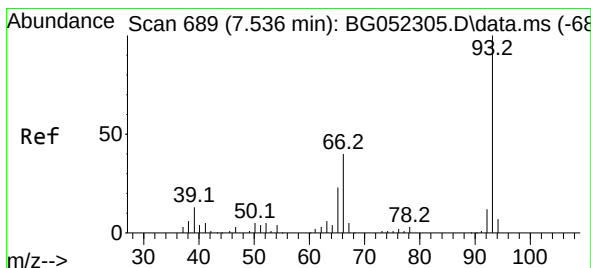
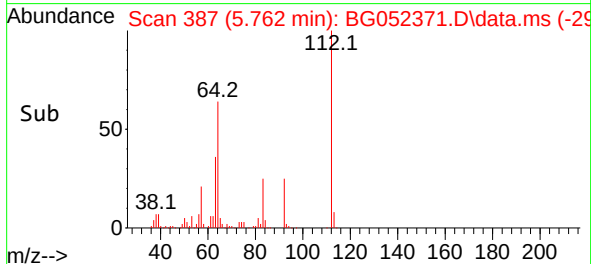
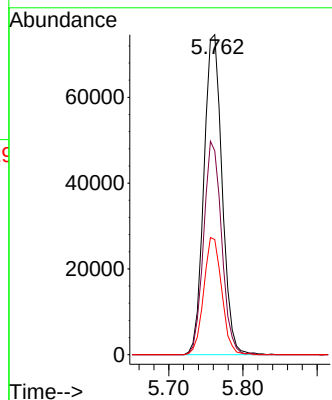
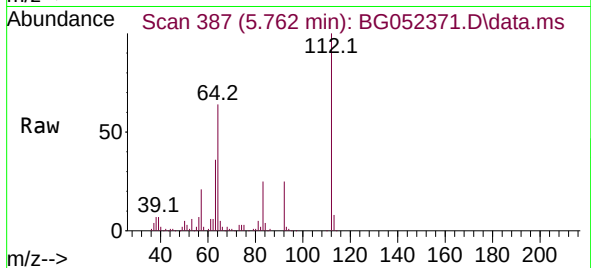




#5
2-Fluorophenol
Concen: 95.721 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

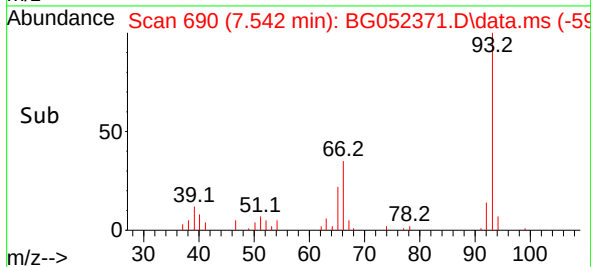
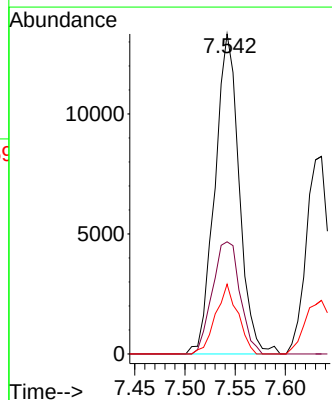
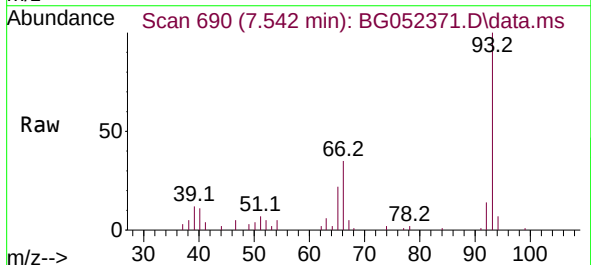
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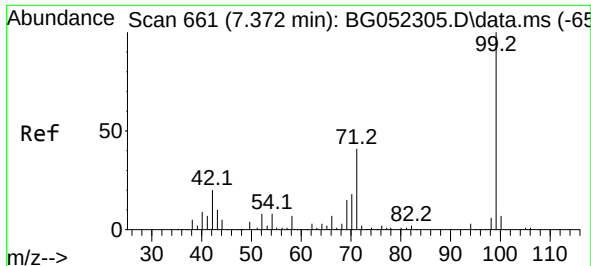
Tgt Ion:	112	Resp:	126963
Ion Ratio	Lower	Upper	
112	100		
64	63.7	60.4	90.6
63	36.0	33.3	49.9



#6
Aniline
Concen: 9.436 ng
RT: 7.542 min Scan# 690
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:	93	Resp:	22435
Ion Ratio	Lower	Upper	
93	100		
66	35.0	34.3	51.5
65	21.8	17.6	26.4

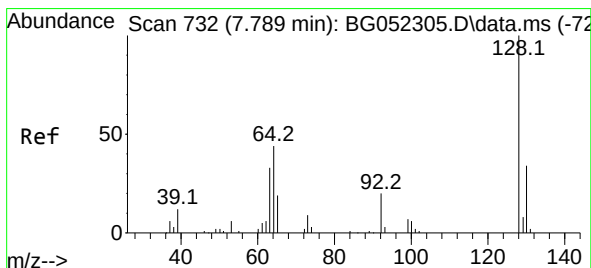
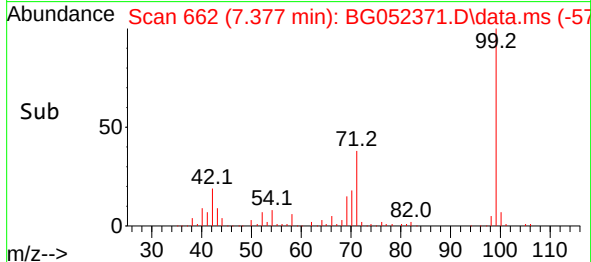
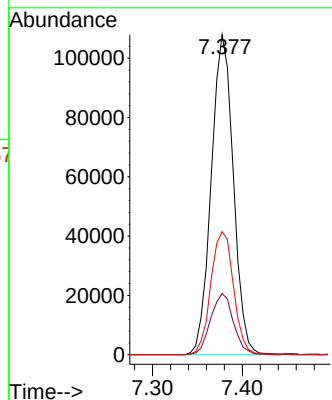
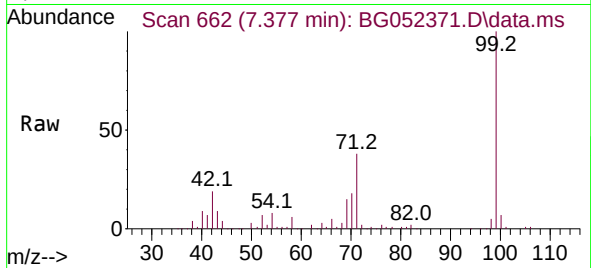




#7
Phenol-d6
Concen: 90.070 ng
RT: 7.377 min Scan# 661
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

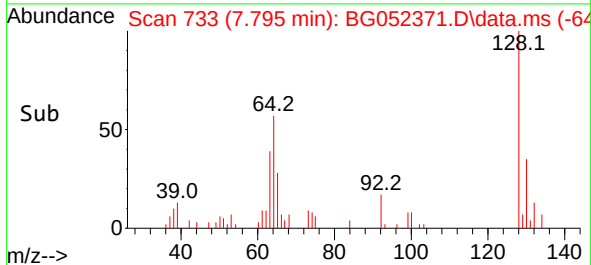
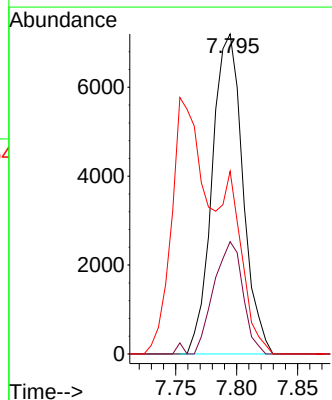
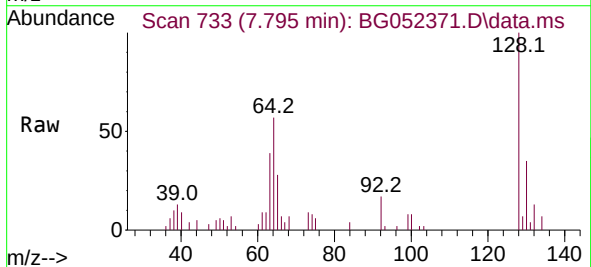
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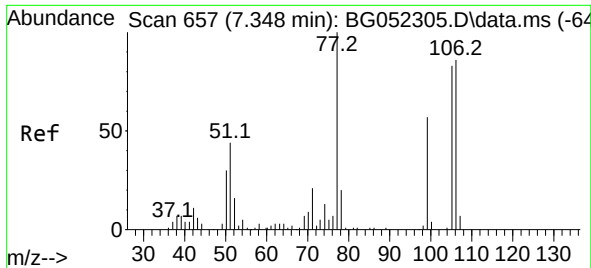
Tgt Ion: 99 Resp: 184332
Ion Ratio Lower Upper
99 100
42 19.1 19.1 28.7
71 38.4 33.4 50.2



#8
2-Chlorophenol
Concen: 8.632 ng
RT: 7.795 min Scan# 733
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 128 Resp: 12595
Ion Ratio Lower Upper
128 100
130 35.1 13.6 53.6
64 57.1 37.8 77.8

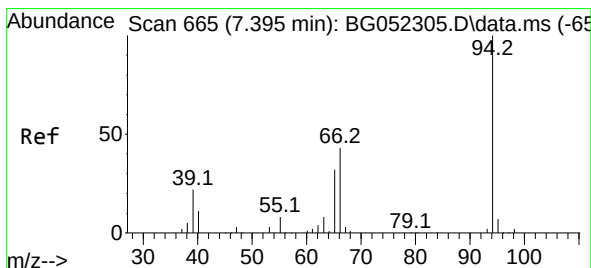
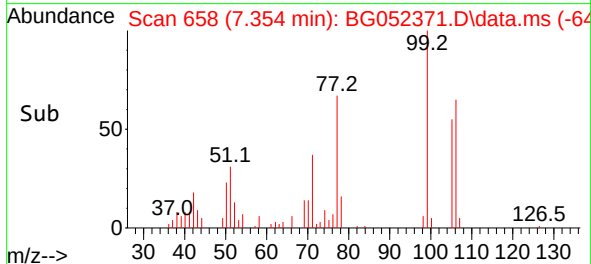
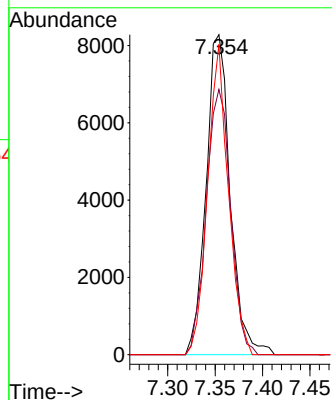
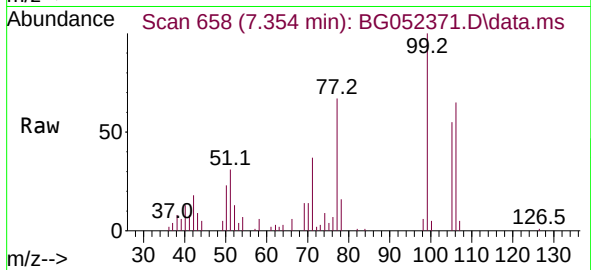




#9
Benzaldehyde
Concen: 11.690 ng
RT: 7.354 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

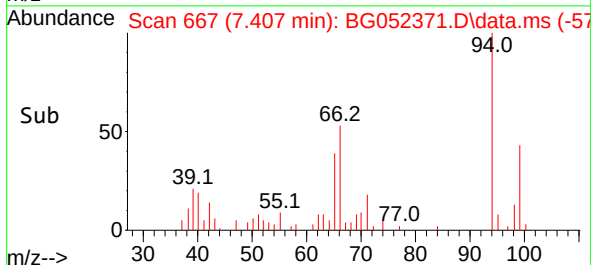
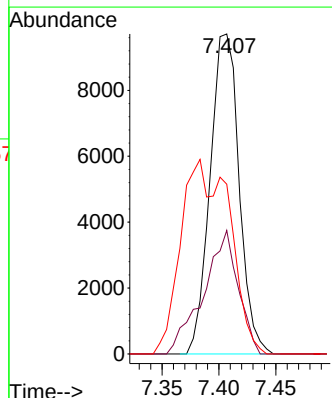
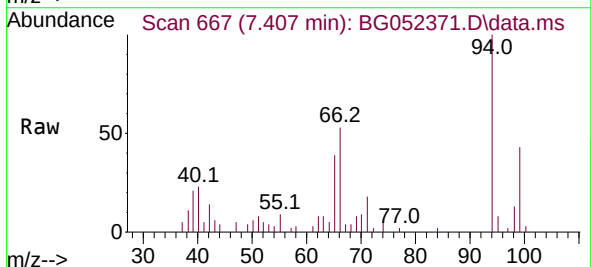
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ClientSampleId :
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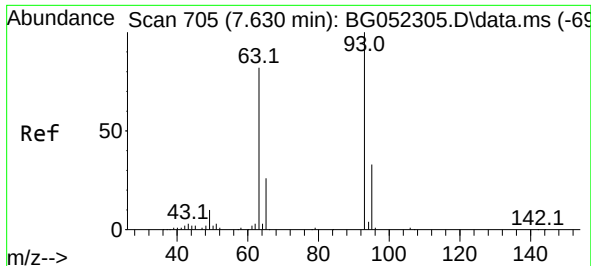
Tgt Ion: 77 Resp: 14686
Ion Ratio Lower Upper
77 100
105 82.9 66.1 106.1
106 96.9 58.1 98.1



#10
Phenol
Concen: 8.486 ng
RT: 7.407 min Scan# 667
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 94 Resp: 17256
Ion Ratio Lower Upper
94 100
65 38.6 14.1 54.1
66 53.1 26.6 66.6

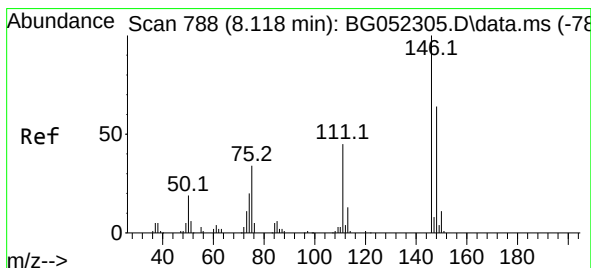
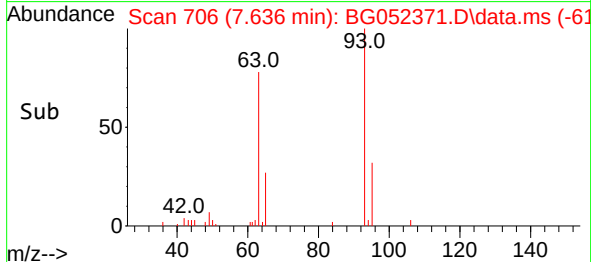
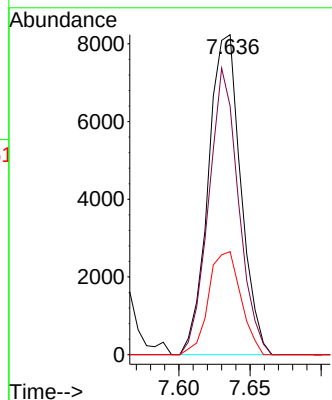
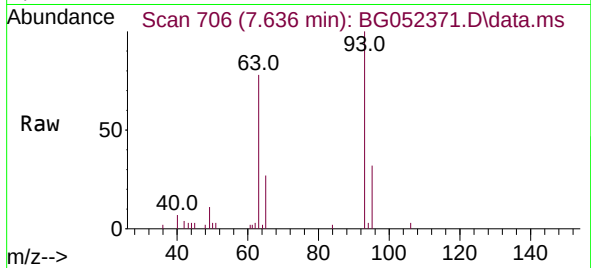




#11
bis(2-Chloroethyl)ether
Concen: 8.417 ng
RT: 7.636 min Scan# 705
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

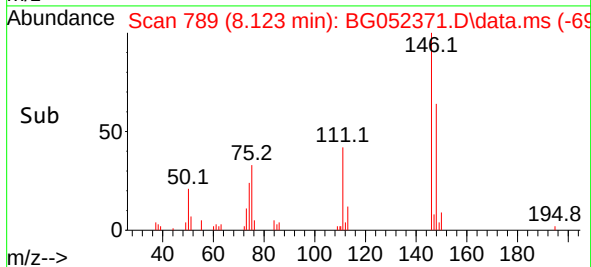
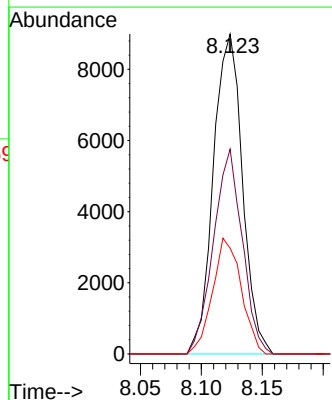
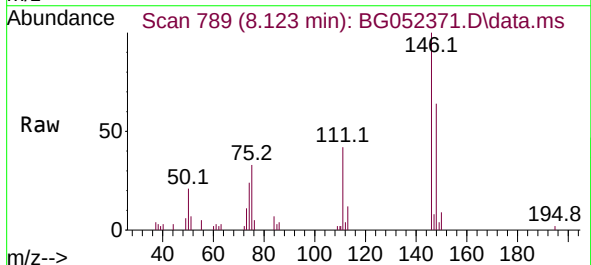
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

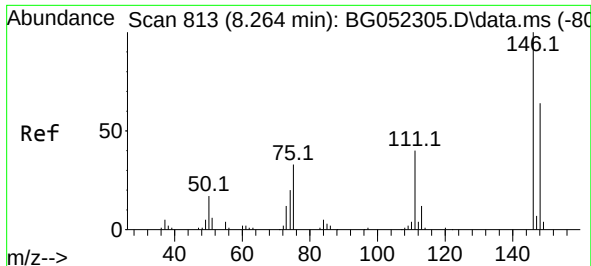
Tgt Ion: 93 Resp: 13083
Ion Ratio Lower Upper
93 100
63 77.7 67.1 107.1
95 32.2 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 8.969 ng
RT: 8.123 min Scan# 789
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:146 Resp: 14911
Ion Ratio Lower Upper
146 100
148 64.0 49.1 73.7
75 33.0 30.9 46.3

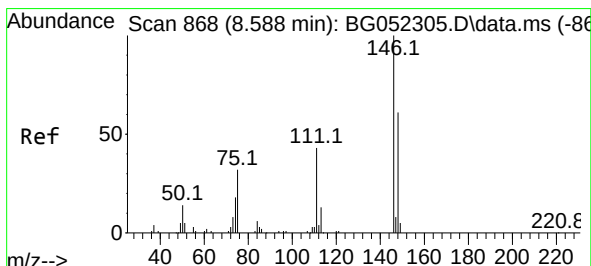
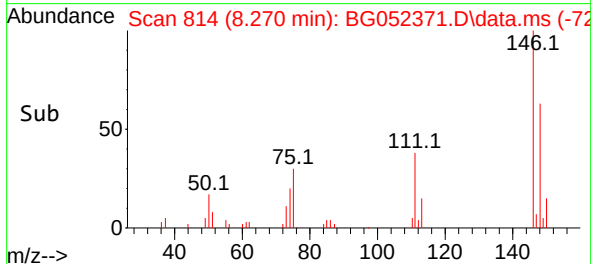
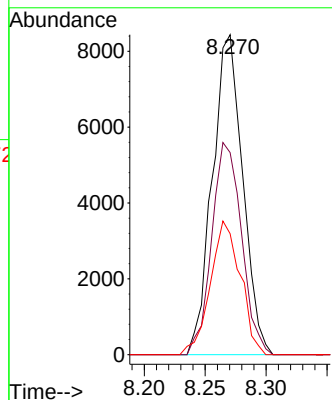
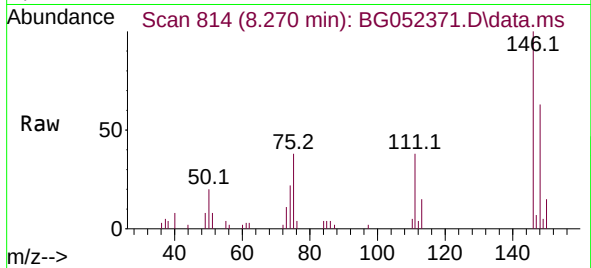




#13
1,4-Dichlorobenzene
Concen: 8.634 ng
RT: 8.270 min Scan# 813
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

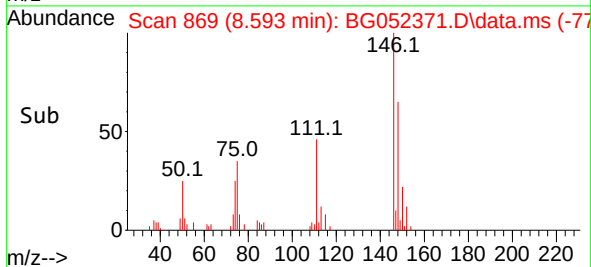
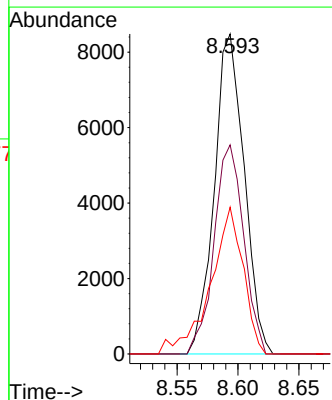
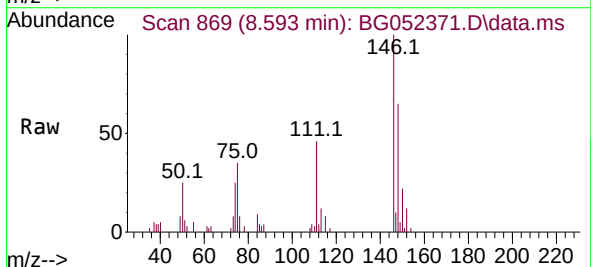
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

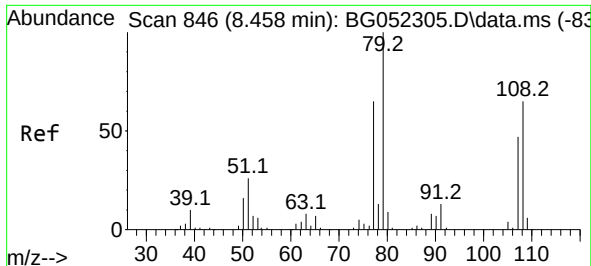
Tgt Ion:146 Resp: 14633
Ion Ratio Lower Upper
146 100
148 63.1 52.6 78.8
111 37.8 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 8.660 ng
RT: 8.593 min Scan# 869
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:146 Resp: 14474
Ion Ratio Lower Upper
146 100
148 65.4 46.5 69.7
111 45.9 37.0 55.4



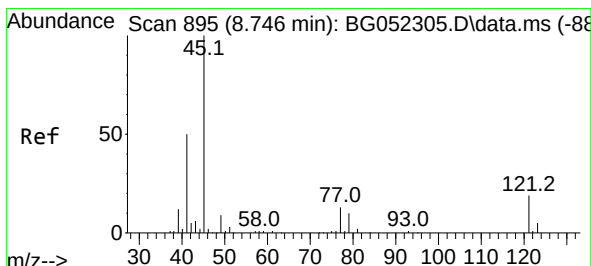
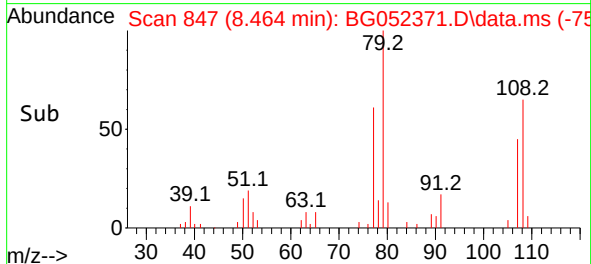
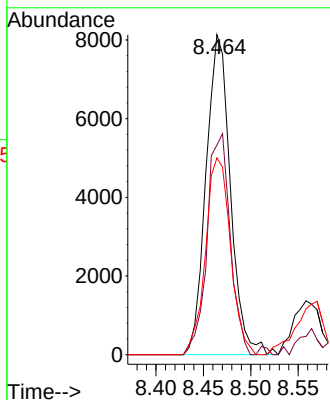
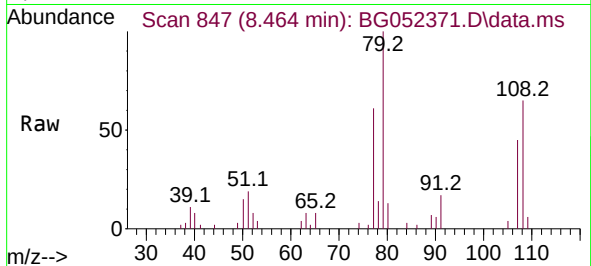


#15
Benzyl Alcohol
Concen: 8.560 ng
RT: 8.464 min Scan# 847
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 79 Resp: 14539

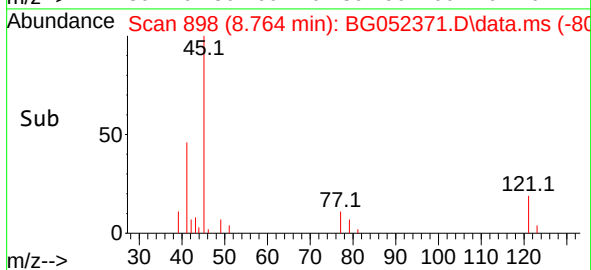
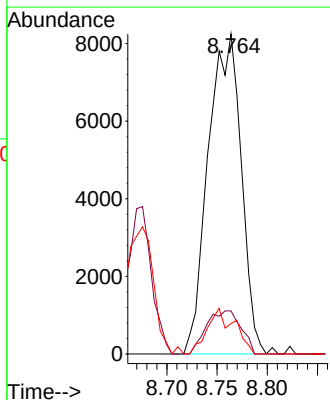
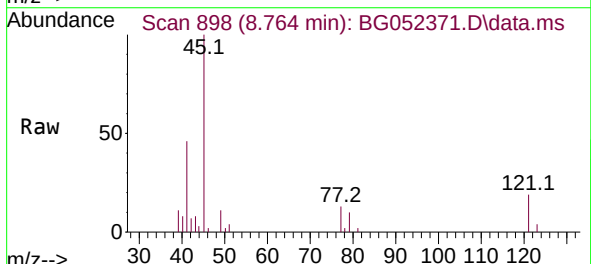
Ion	Ratio	Lower	Upper
79	100		
108	65.5	53.8	80.6
77	61.5	54.4	81.6

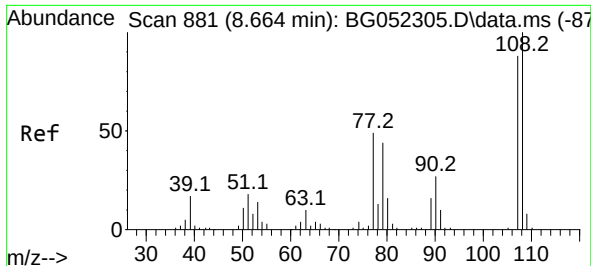


#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.414 ng
RT: 8.764 min Scan# 898
Delta R.T. 0.018 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 45 Resp: 18884

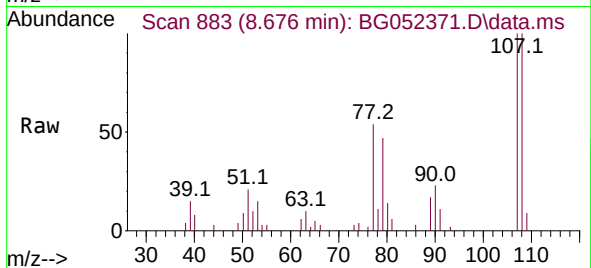
Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.8
79	9.5	0.0	31.1



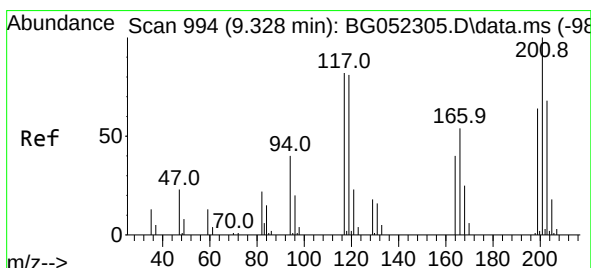
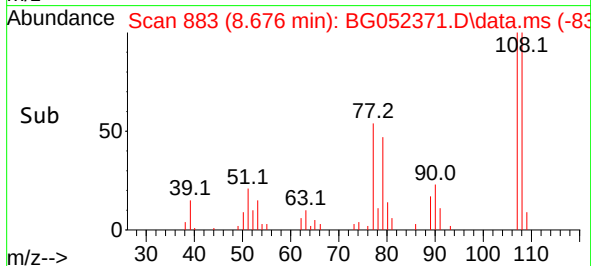
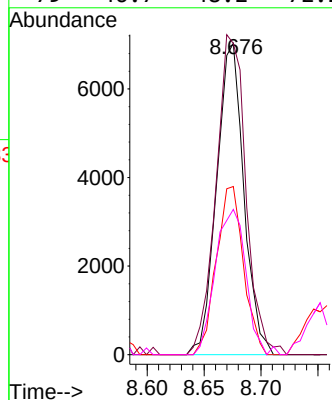


#17
2-Methylphenol
Concen: 8.707 ng
RT: 8.676 min Scan# 811
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

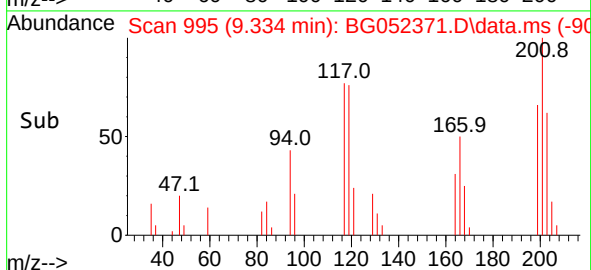
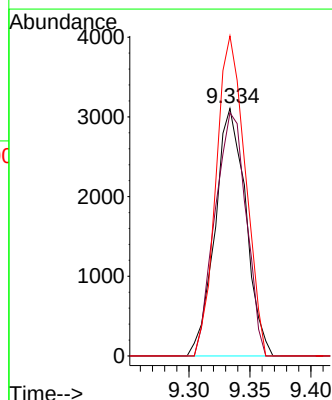
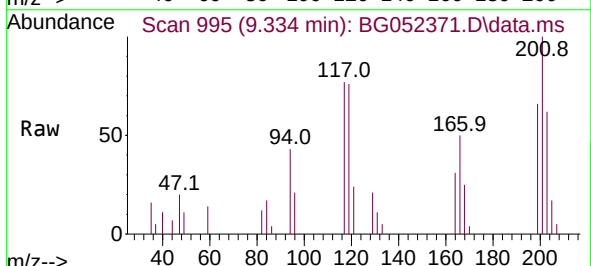


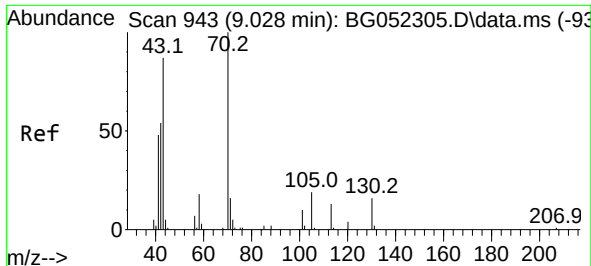
Tgt Ion:	107	Resp:	11683
Ion	Ratio	Lower	Upper
107	100		
108	100.0	90.3	135.5
77	54.0	49.0	73.6
79	46.7	48.2	72.2



#18
Hexachloroethane
Concen: 9.257 ng
RT: 9.334 min Scan# 995
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:	117	Resp:	5455
Ion	Ratio	Lower	Upper
117	100		
119	98.2	73.5	110.3
201	129.3	91.0	136.6

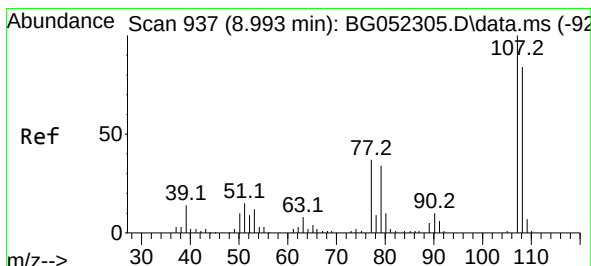
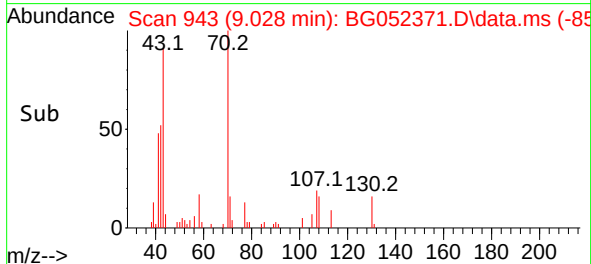
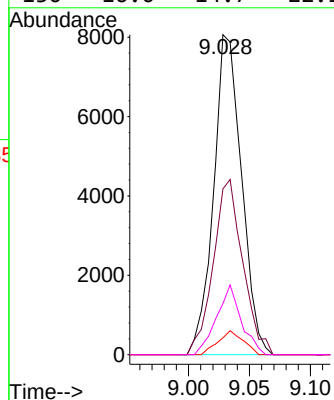
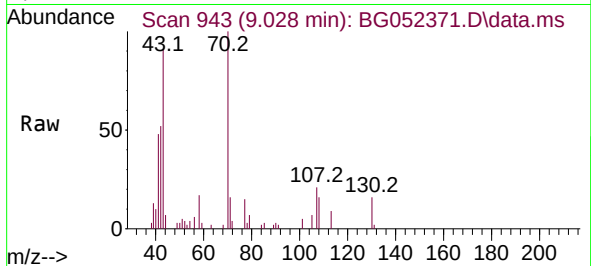




#19
n-Nitroso-di-n-propylamine
Concen: 8.333 ng
RT: 9.028 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

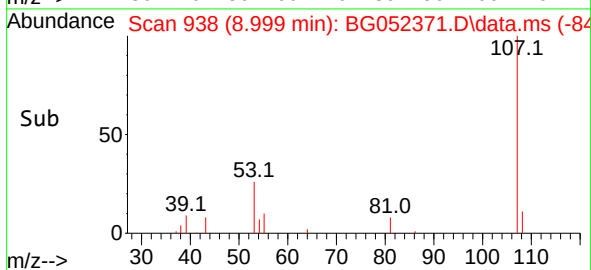
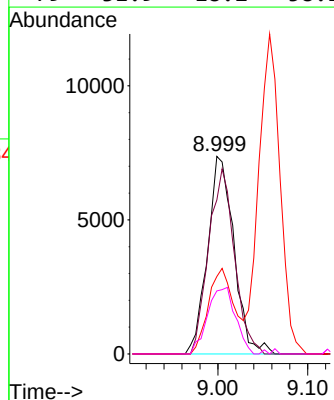
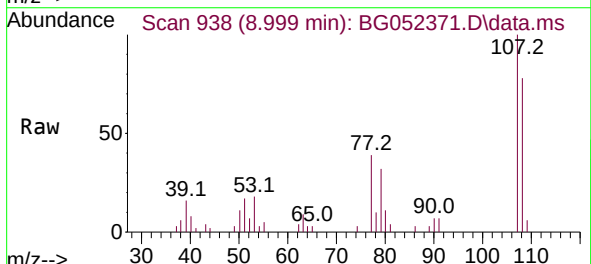
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

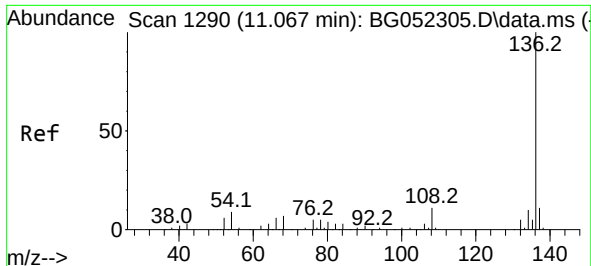
Tgt Ion:	70	Resp:	12856
Ion	Ratio	Lower	Upper
70	100		
42	51.8	51.8	77.6
101	5.2	6.6	10.0#
130	16.0	14.7	22.1



#20
3+4-Methylphenols
Concen: 7.812 ng
RT: 8.999 min Scan# 938
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:	107	Resp:	14996
Ion	Ratio	Lower	Upper
107	100		
108	77.9	71.9	111.9
77	39.2	24.6	64.6
79	31.9	18.2	58.2

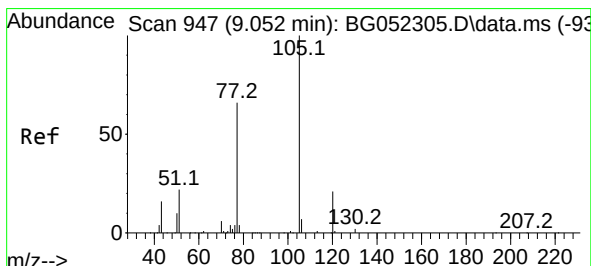
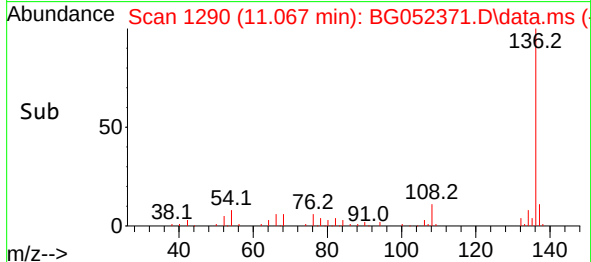
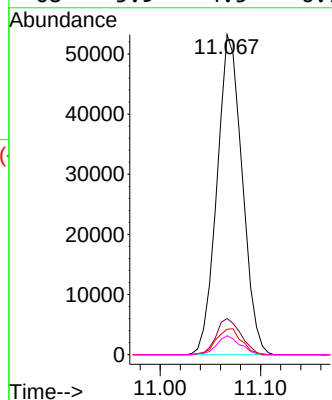
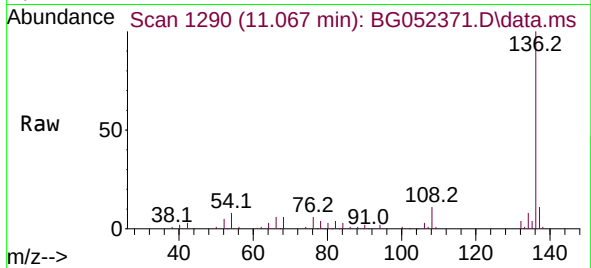




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.067 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

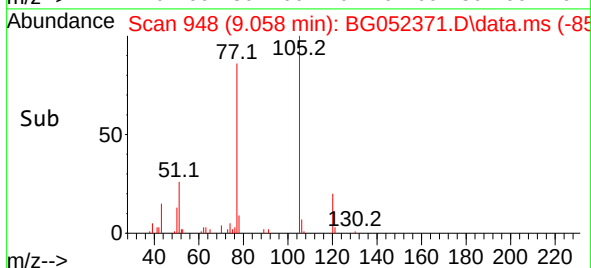
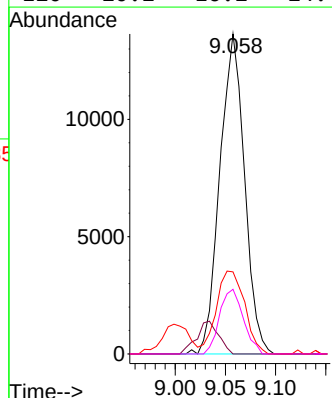
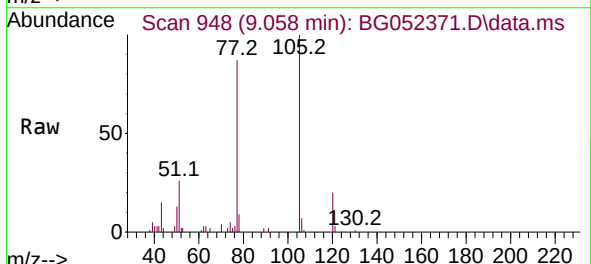
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

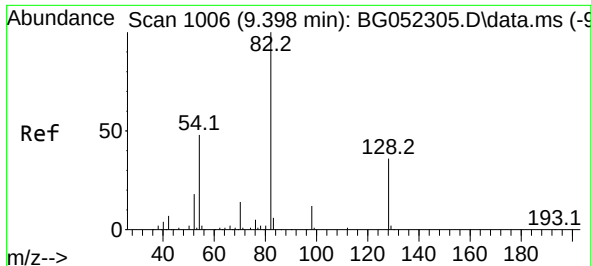
Tgt Ion:136 Resp: 92838
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.0 8.3 12.5#
68 5.9 4.5 6.7



#22
Acetophenone
Concen: 9.482 ng
RT: 9.058 min Scan# 948
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:105 Resp: 23265
Ion Ratio Lower Upper
105 100
71 0.0 1.8 2.6#
51 25.7 27.0 40.4#
120 20.2 16.2 24.4

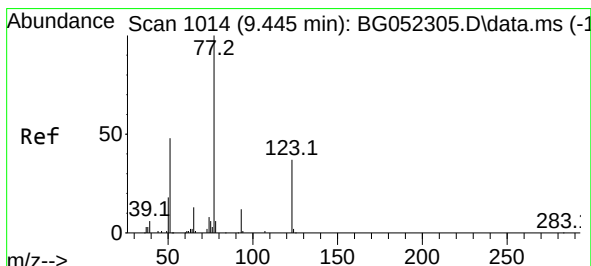
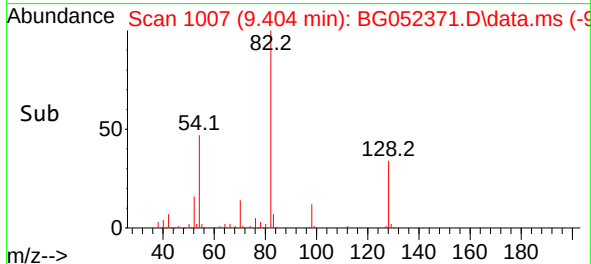
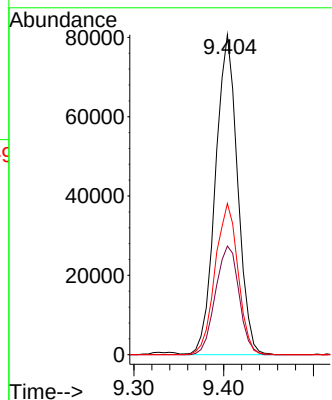
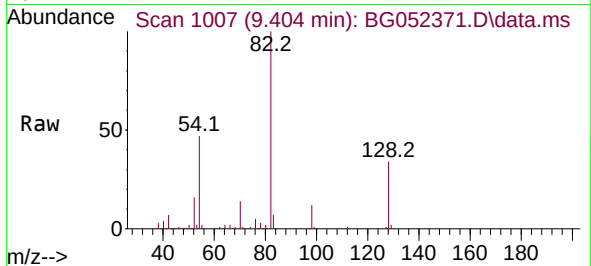




#23
Nitrobenzene-d5
Concen: 64.720 ng
RT: 9.404 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

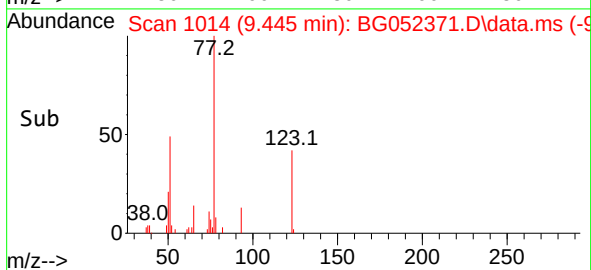
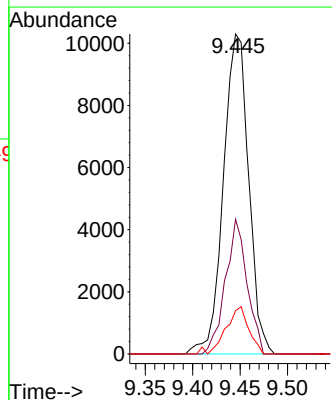
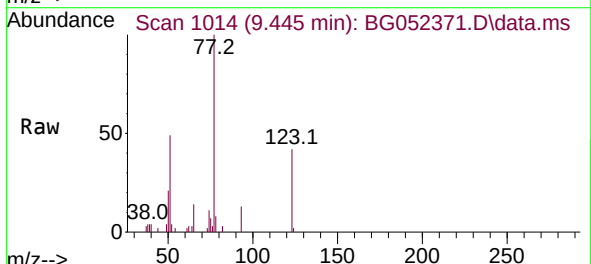
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

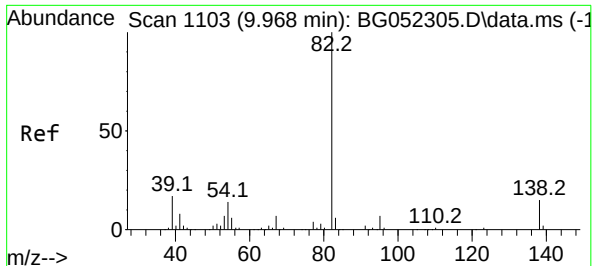
Tgt Ion: 82 Resp: 138250
Ion Ratio Lower Upper
82 100
128 34.0 27.0 40.4
54 47.3 41.0 61.6



#24
Nitrobenzene
Concen: 9.409 ng
RT: 9.445 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 77 Resp: 19065
Ion Ratio Lower Upper
77 100
123 42.1 27.1 40.7#
65 13.5 11.2 16.8

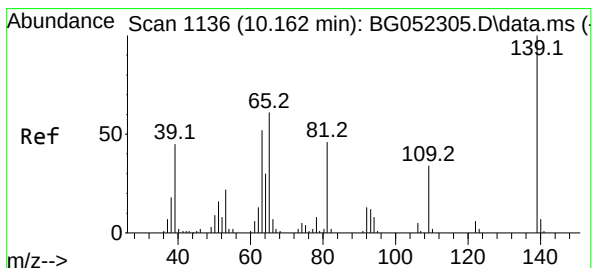
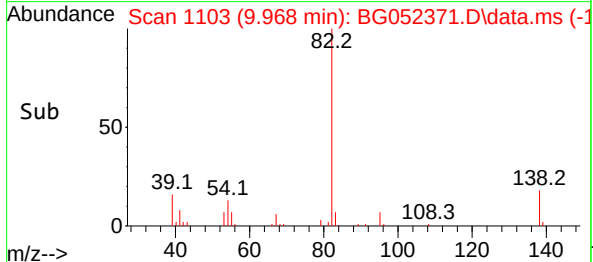
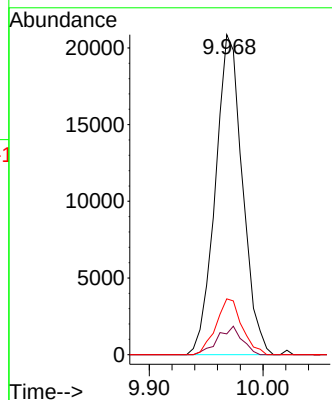
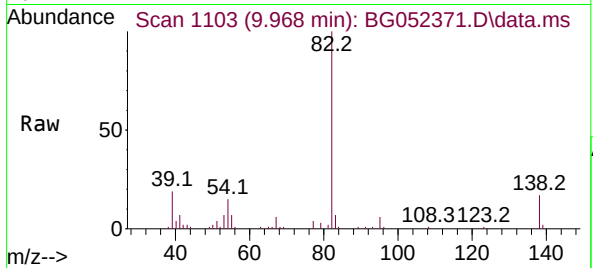




#25
Isophorone
Concen: 9.508 ng
RT: 9.968 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

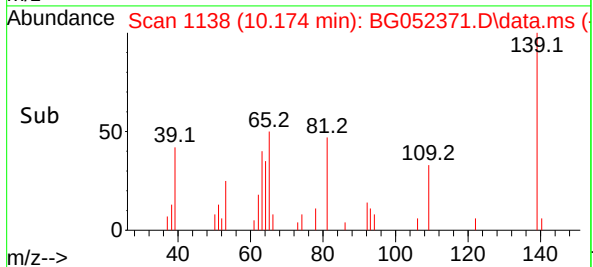
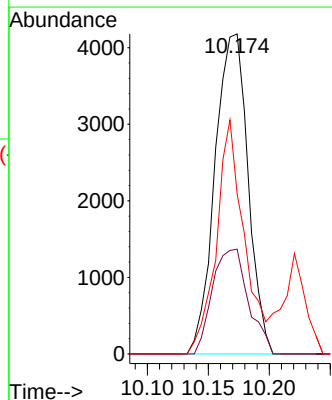
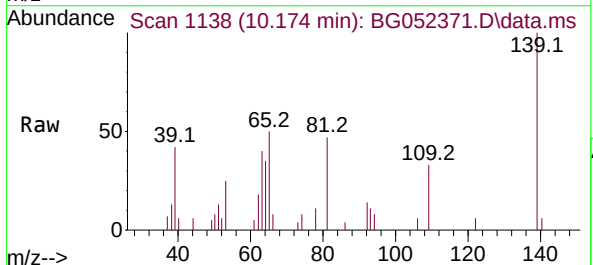
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

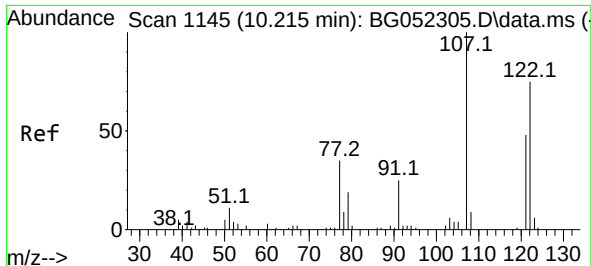
Tgt Ion: 82 Resp: 34557
Ion Ratio Lower Upper
82 100
95 6.5 6.6 9.8#
138 17.4 12.5 18.7



#26
2-Nitrophenol
Concen: 9.184 ng
RT: 10.174 min Scan# 1138
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 139 Resp: 7888
Ion Ratio Lower Upper
139 100
109 32.7 30.4 45.6
65 50.0 55.7 83.5#

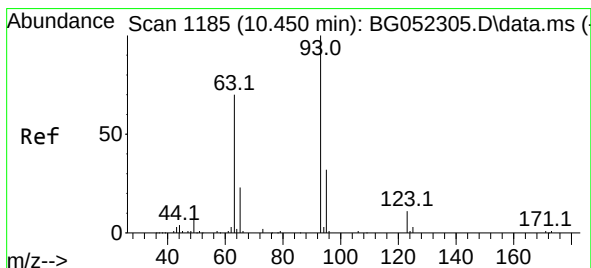
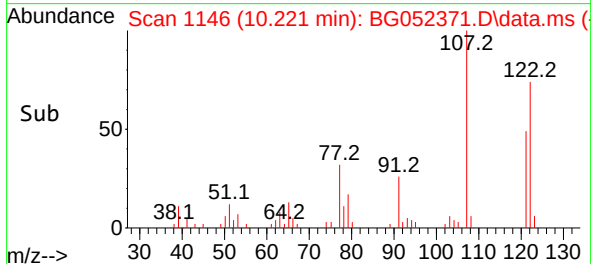
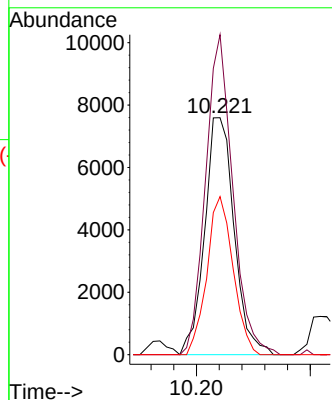
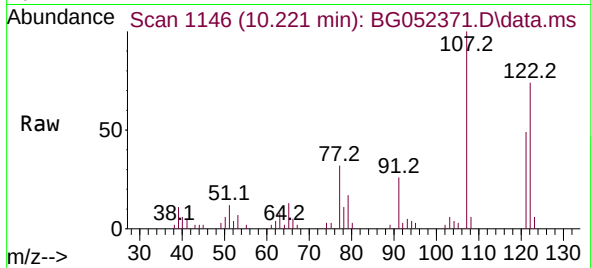




#27
2,4-Dimethylphenol
Concen: 10.764 ng
RT: 10.221 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

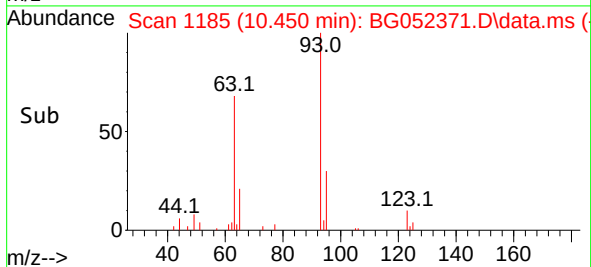
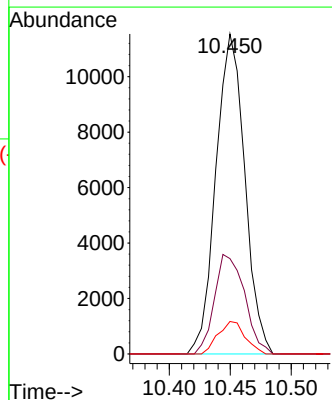
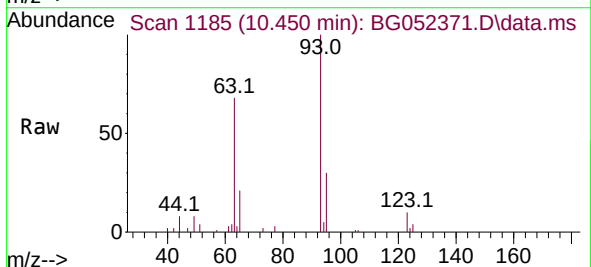
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

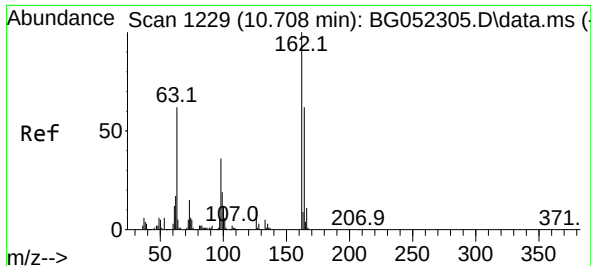
Tgt Ion:122 Resp: 13688
Ion Ratio Lower Upper
122 100
107 135.1 105.8 158.8
121 66.8 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 9.223 ng
RT: 10.450 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 93 Resp: 19024
Ion Ratio Lower Upper
93 100
95 29.8 26.1 39.1
123 10.1 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 8.197 ng

RT: 10.714 min Scan# 1229

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

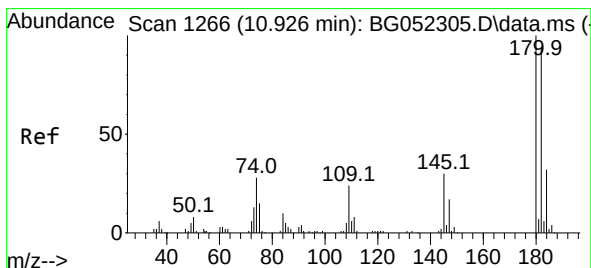
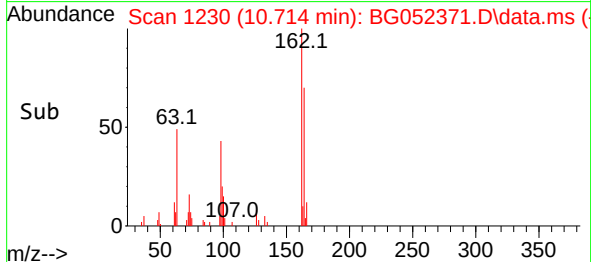
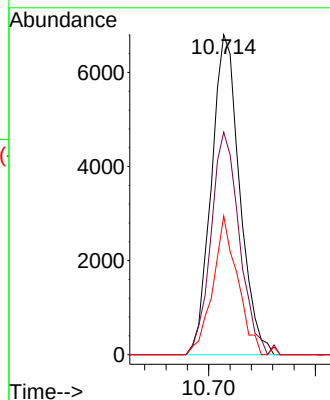
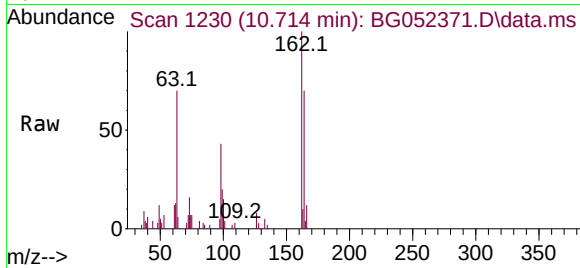
Tgt Ion:162 Resp: 12493

Ion Ratio Lower Upper

162 100

164 69.5 44.3 84.3

98 43.3 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 8.926 ng

RT: 10.926 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

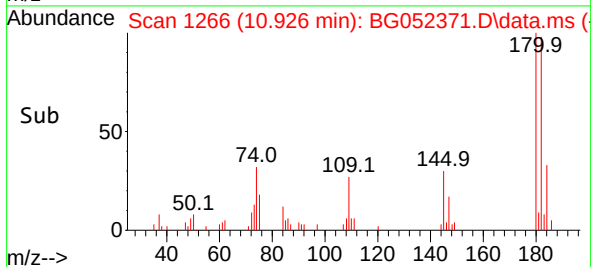
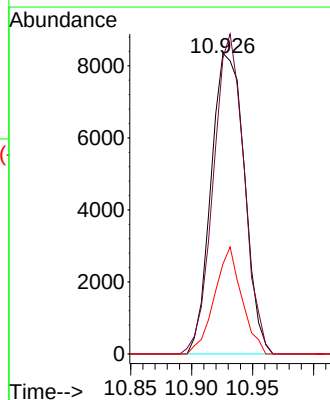
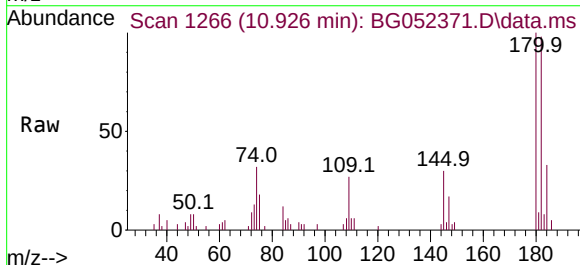
Tgt Ion:180 Resp: 15887

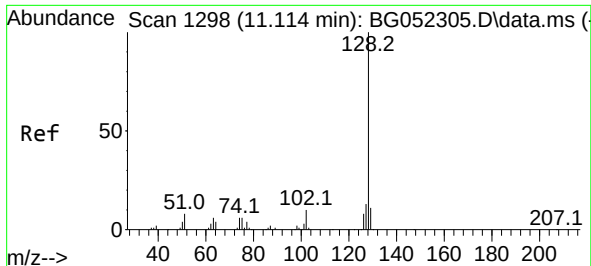
Ion Ratio Lower Upper

180 100

182 98.3 76.1 114.1

145 29.9 24.0 36.0

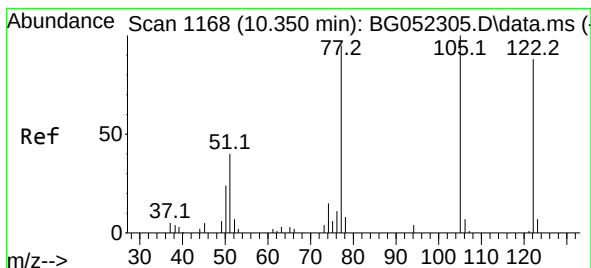
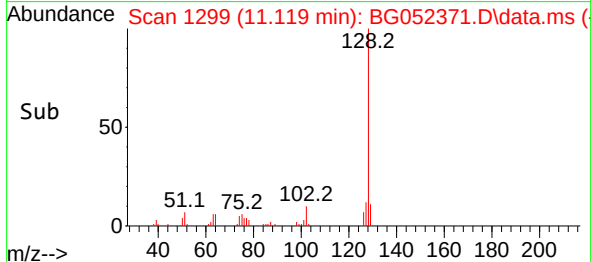
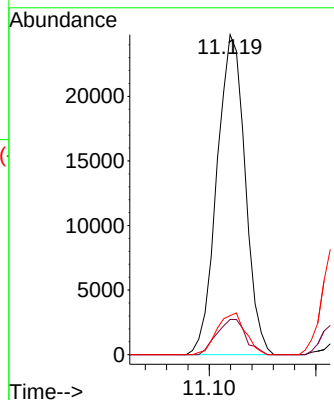
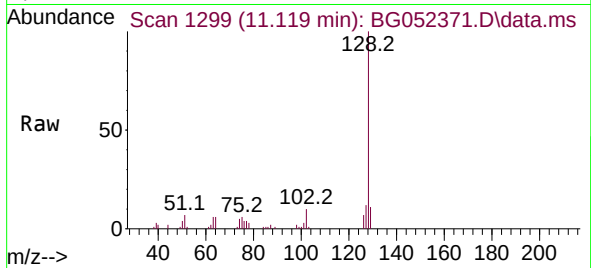




#31
Naphthalene
Concen: 9.350 ng
RT: 11.119 min Scan# 1119
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

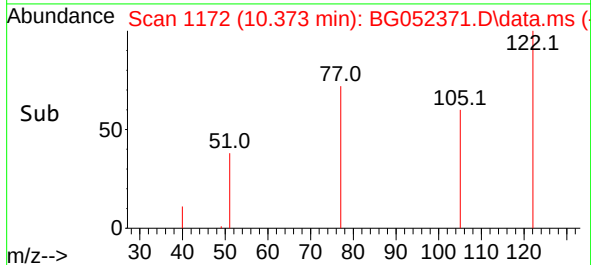
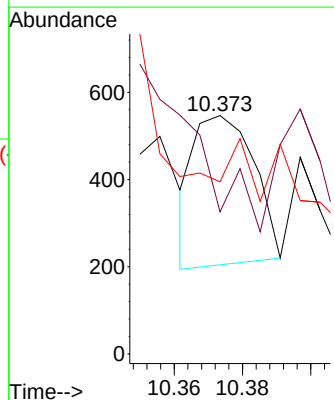
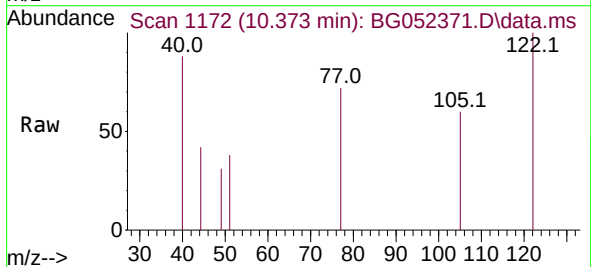
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

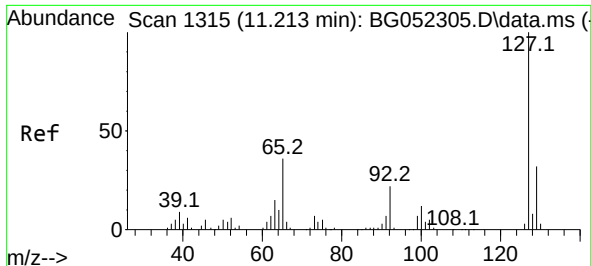
Tgt Ion:128 Resp: 45504
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.6
127 12.2 12.0 18.0



#32
Benzoic acid
Concen: 0.558 ng
RT: 10.373 min Scan# 1172
Delta R.T. 0.023 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:122 Resp: 417
Ion Ratio Lower Upper
122 100
105 59.6 109.2 149.2#
77 72.2 92.8 132.8#

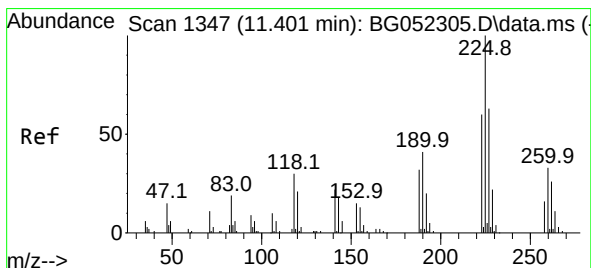
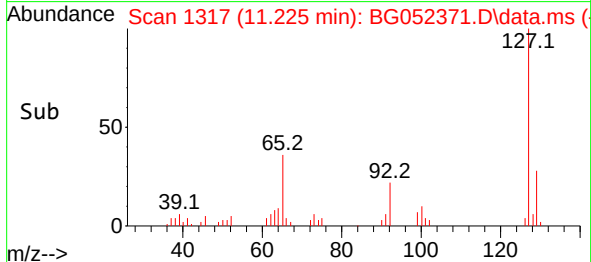
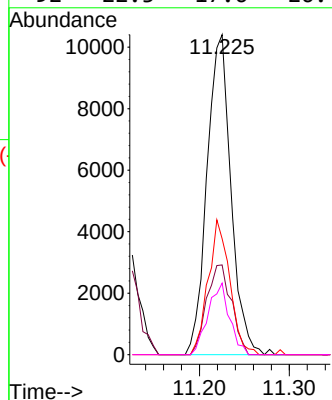
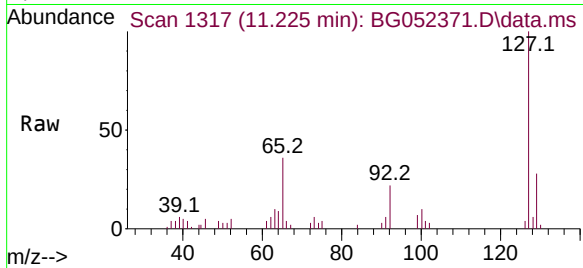




#33
4-Chloroaniline
Concen: 9.493 ng
RT: 11.225 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

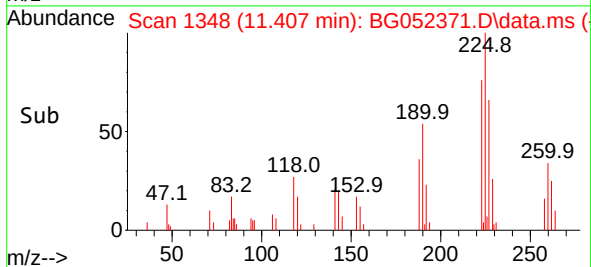
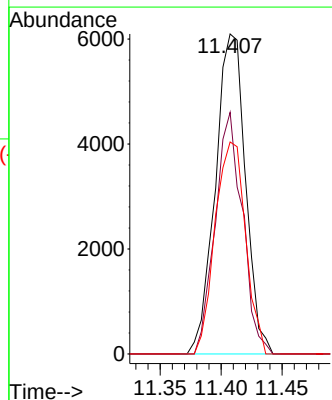
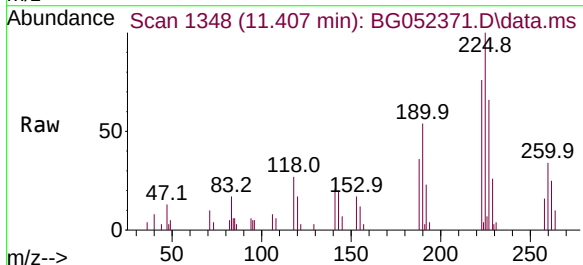
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

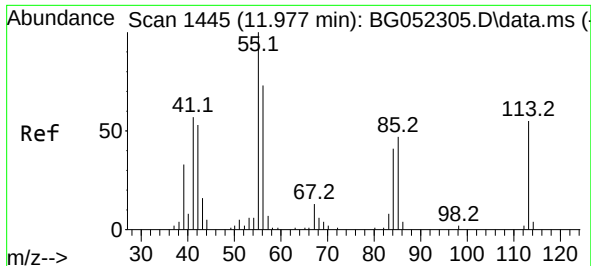
Tgt Ion:	127	Resp:	19290
Ion	Ratio	Lower	Upper
127	100		
129	28.1	27.0	40.6
65	36.3	28.7	43.1
92	22.3	17.6	26.4



#34
Hexachlorobutadiene
Concen: 8.723 ng
RT: 11.407 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:	225	Resp:	10485
Ion	Ratio	Lower	Upper
225	100		
223	75.5	51.6	77.4
227	66.2	53.9	80.9

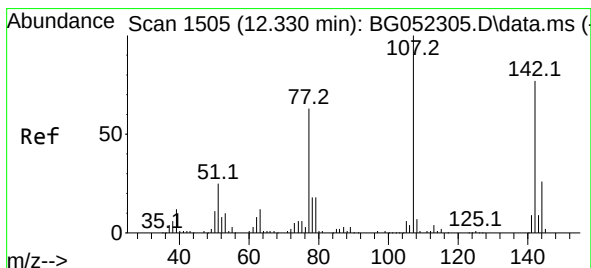
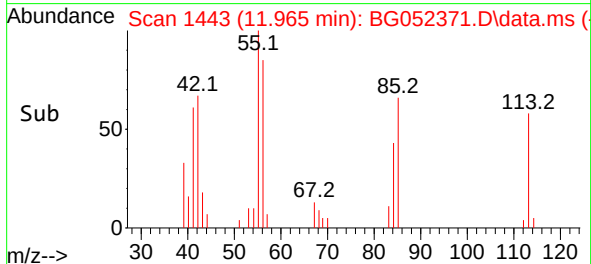
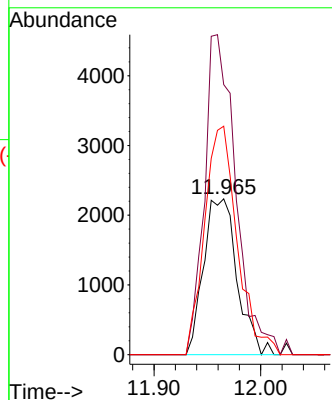
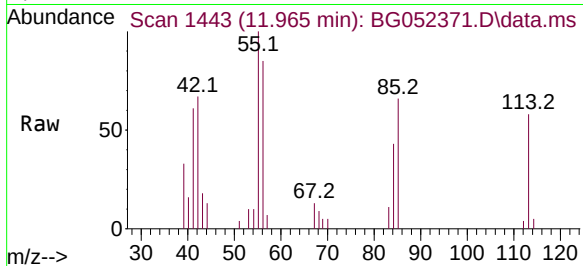




#35
Caprolactam
Concen: 8.773 ng
RT: 11.965 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

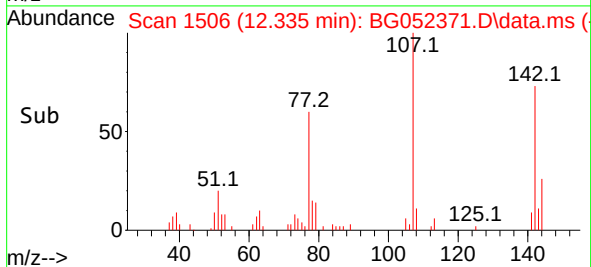
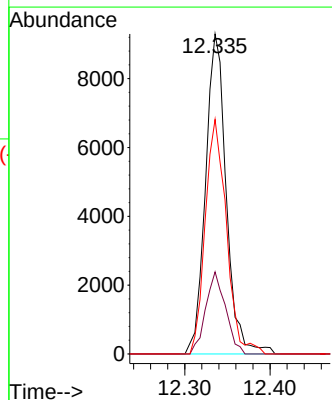
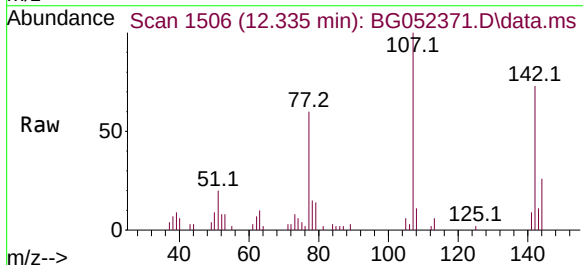
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

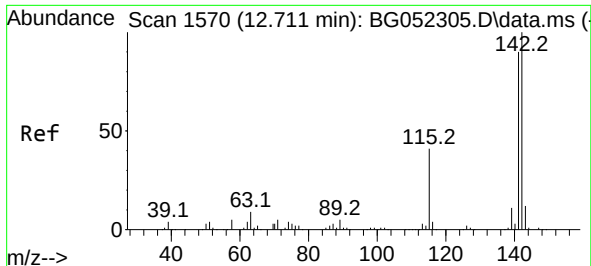
Tgt Ion:113 Resp: 4873
Ion Ratio Lower Upper
113 100
55 173.3 161.4 201.4
56 146.6 132.6 172.6



#36
4-Chloro-3-methylphenol
Concen: 9.040 ng
RT: 12.335 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:107 Resp: 15676
Ion Ratio Lower Upper
107 100
144 25.6 19.3 28.9
142 73.3 63.9 95.9

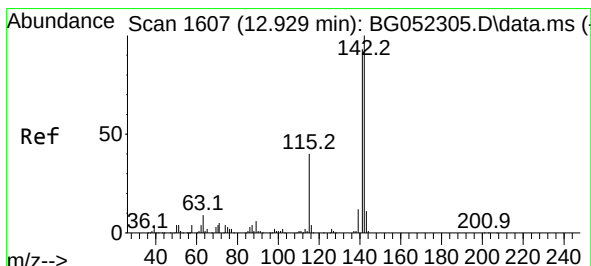
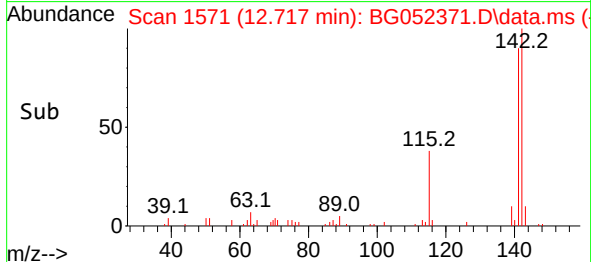
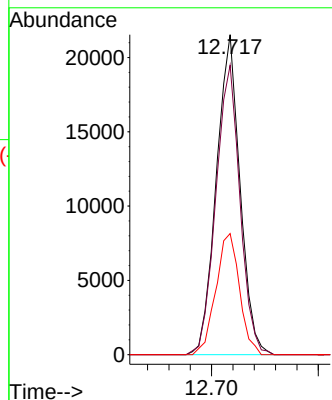
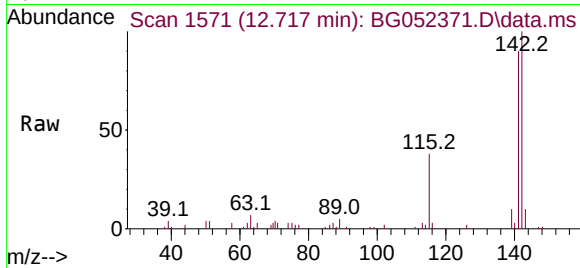




#37
2-Methylnaphthalene
Concen: 9.168 ng
RT: 12.717 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

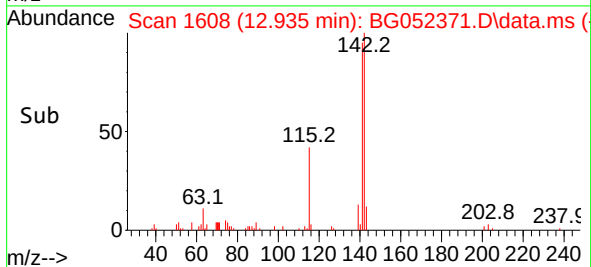
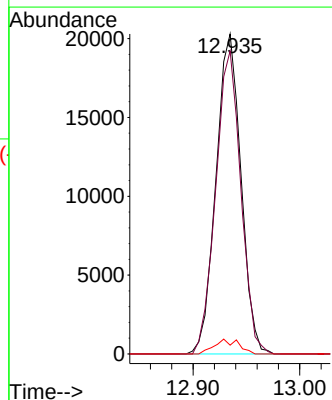
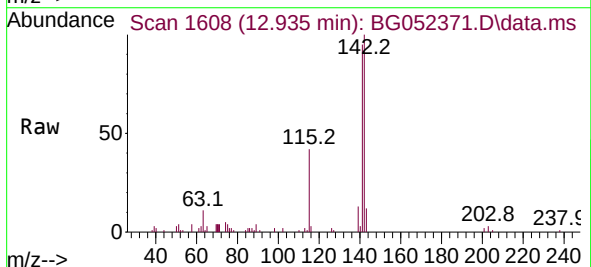
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

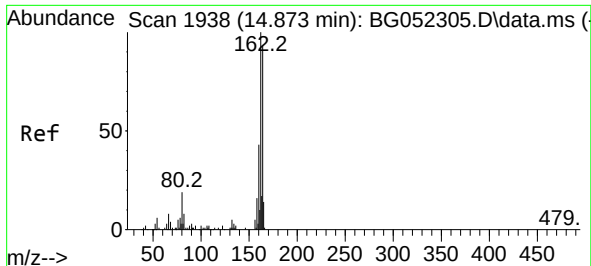
Tgt Ion:142 Resp: 33140
Ion Ratio Lower Upper
142 100
141 90.5 71.7 107.5
115 37.8 32.2 48.4



#38
1-Methylnaphthalene
Concen: 9.422 ng
RT: 12.935 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:142 Resp: 33005
Ion Ratio Lower Upper
142 100
141 94.7 75.0 112.4
116 2.7 4.2 6.4#

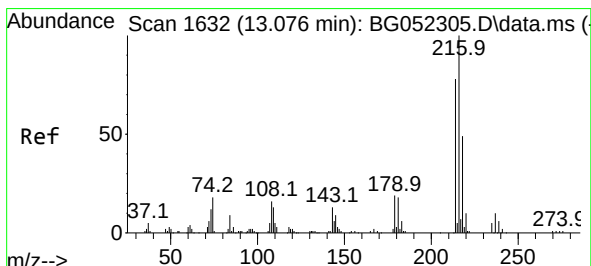
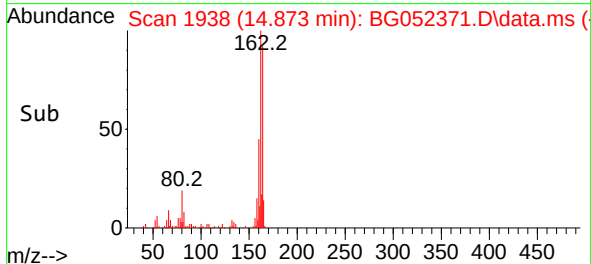
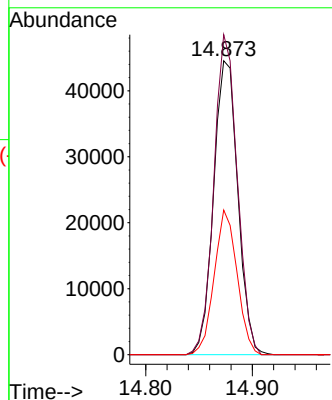
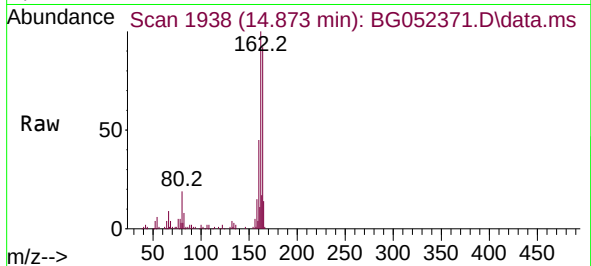




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.873 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

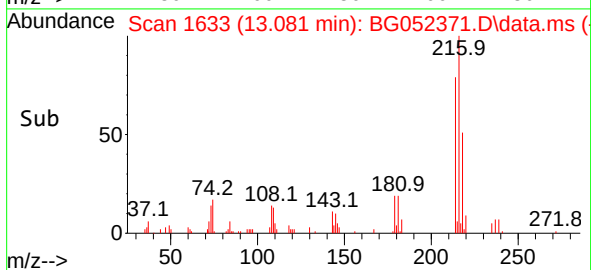
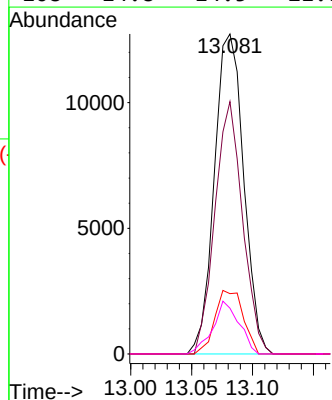
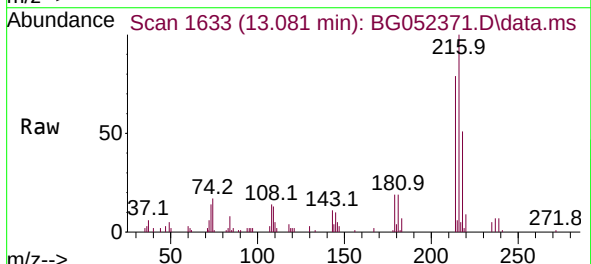
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

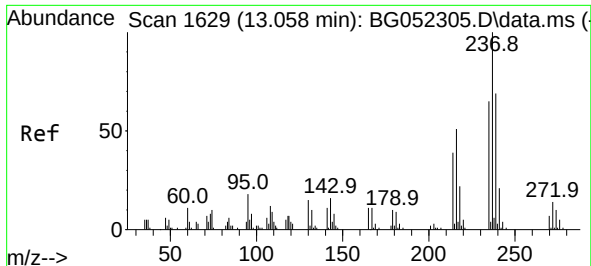
Tgt Ion:164 Resp: 70255
Ion Ratio Lower Upper
164 100
162 108.9 82.2 123.2
160 49.2 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.224 ng
RT: 13.081 min Scan# 1633
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

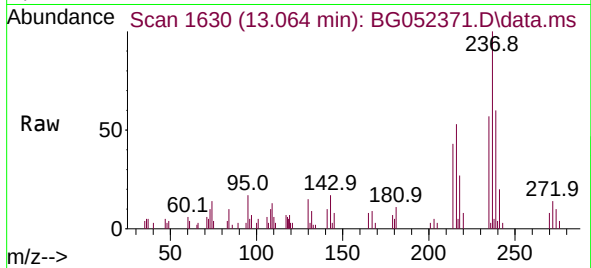
Tgt Ion:216 Resp: 21315
Ion Ratio Lower Upper
216 100
214 74.3 63.2 94.8
179 19.2 16.3 24.5
108 14.8 14.5 21.7



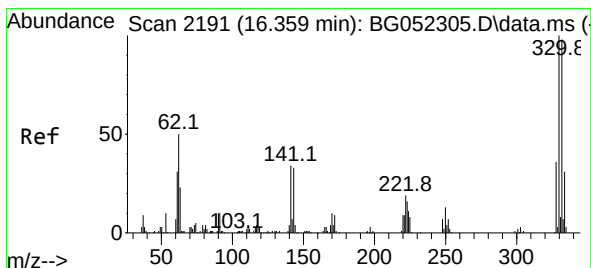
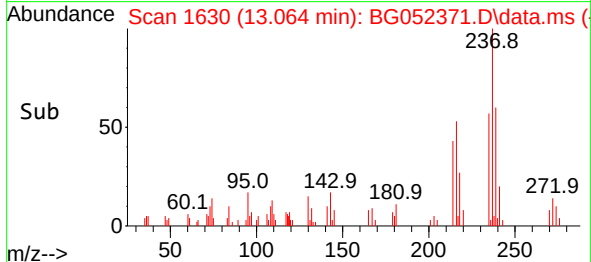
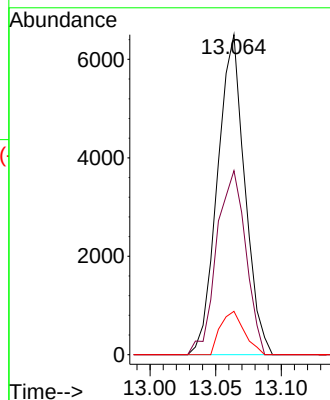


#41
Hexachlorocyclopentadiene
Concen: 9.640 ng
RT: 13.064 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

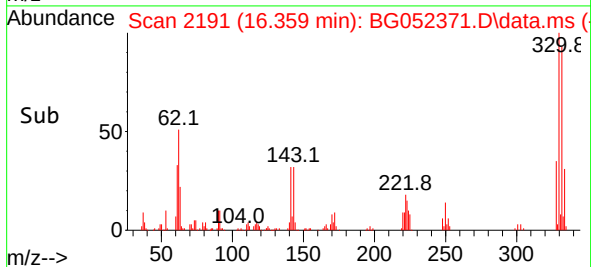
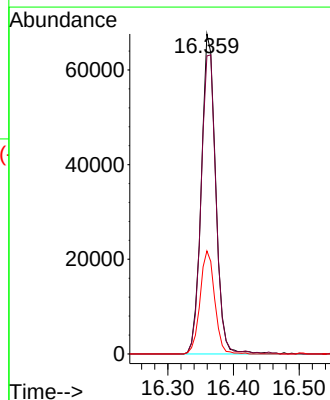
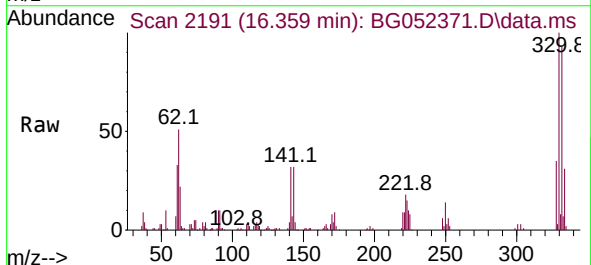


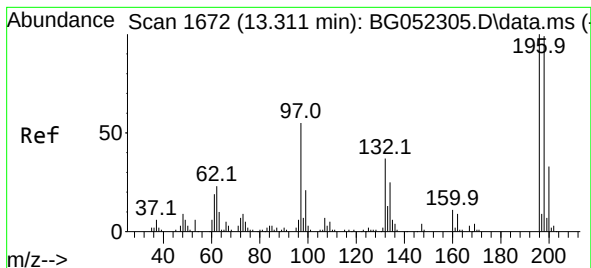
Tgt Ion	Ratio	Lower	Upper
237	100		
235	57.5	45.9	85.9
272	13.5	0.0	33.0



#42
2,4,6-Tribromophenol
Concen: 102.066 ng
RT: 16.359 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.6	117.8
141	32.7	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 8.909 ng

RT: 13.393 min Scan# 1

Delta R.T. 0.082 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

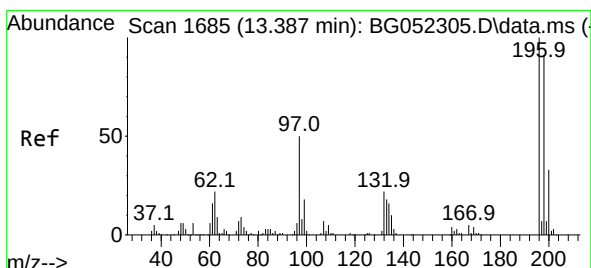
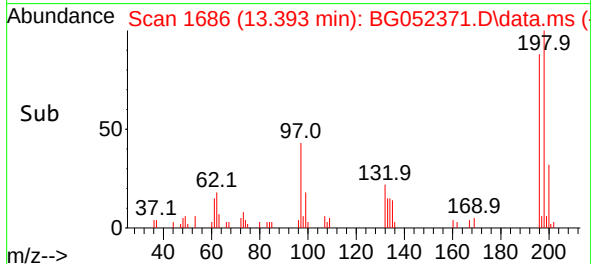
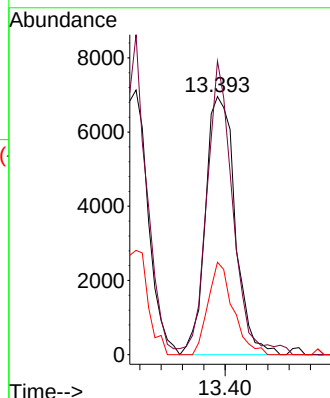
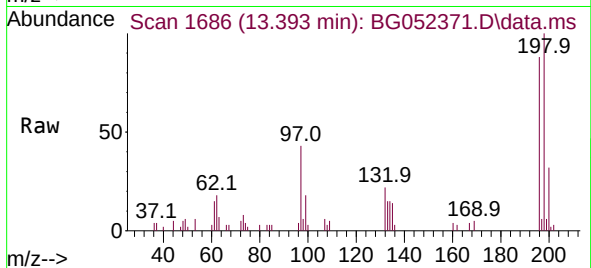
Tgt Ion:196 Resp: 13464

Ion Ratio Lower Upper

196 100

198 113.7 78.4 117.6

200 35.8 28.5 42.7



#44

2,4,5-Trichlorophenol

Concen: 8.221 ng

RT: 13.393 min Scan# 1686

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Tgt Ion:196 Resp: 13464

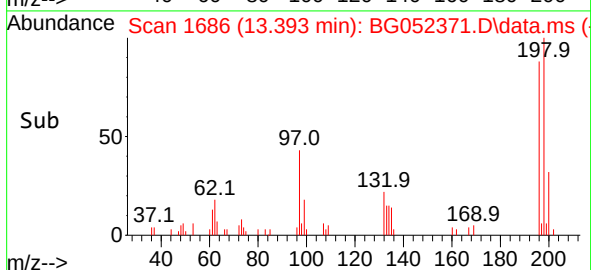
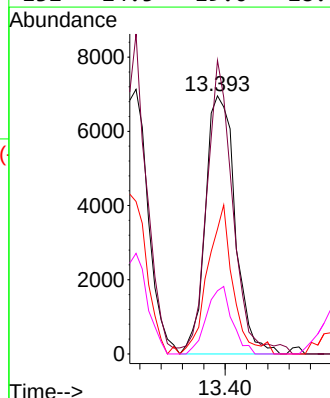
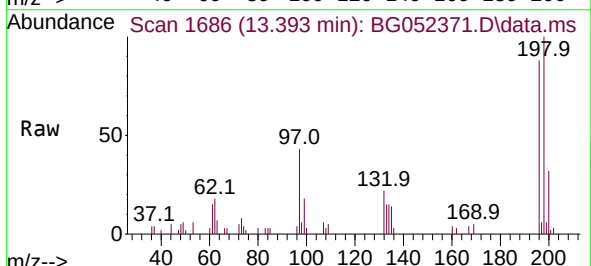
Ion Ratio Lower Upper

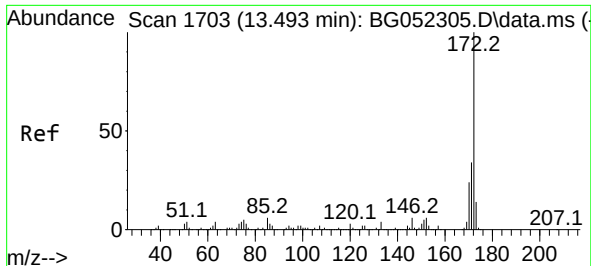
196 100

198 113.7 78.6 118.0

97 48.4 43.8 65.8

132 24.5 19.0 28.6

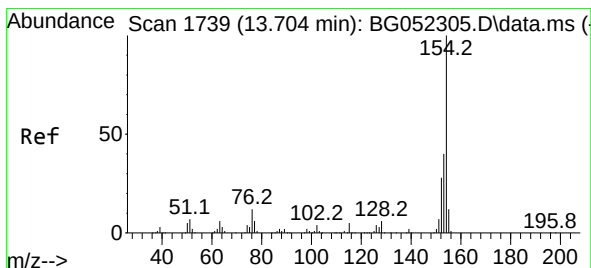
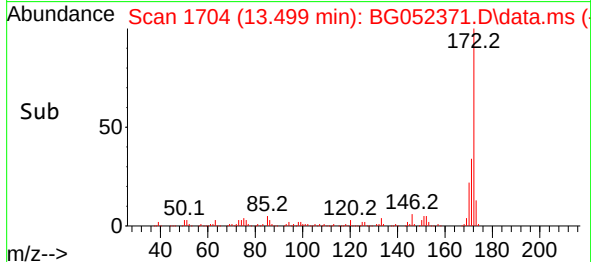
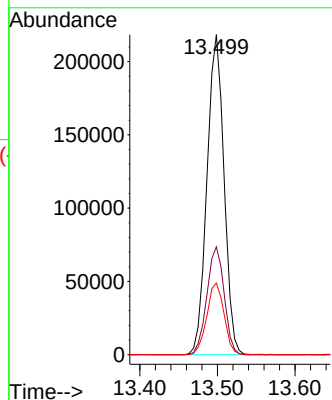
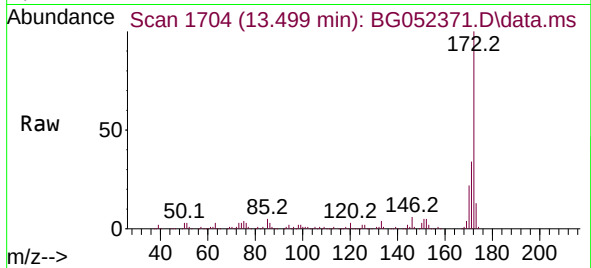




#45
2-Fluorobiphenyl
Concen: 65.771 ng
RT: 13.499 min Scan# 1703
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

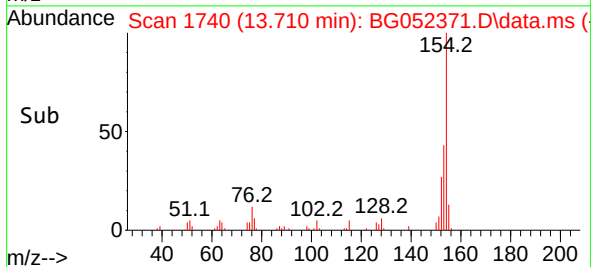
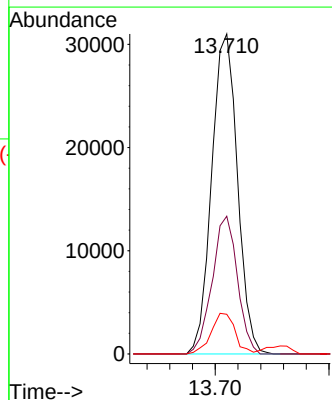
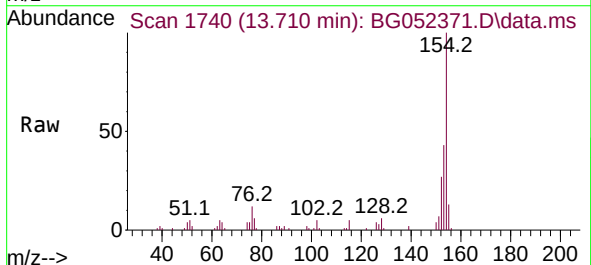
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

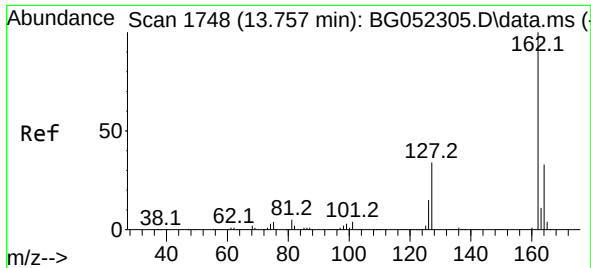
Tgt Ion:172 Resp: 332538
Ion Ratio Lower Upper
172 100
171 33.7 28.3 42.5
170 22.4 18.3 27.5



#46
1,1'-Biphenyl
Concen: 9.460 ng
RT: 13.710 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:154 Resp: 48736
Ion Ratio Lower Upper
154 100
153 43.1 21.1 61.1
76 12.4 0.0 32.6

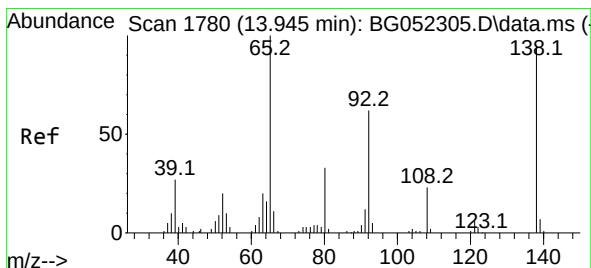
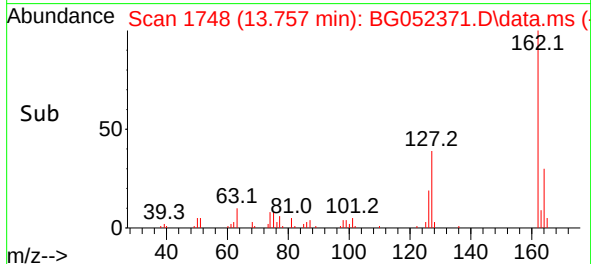
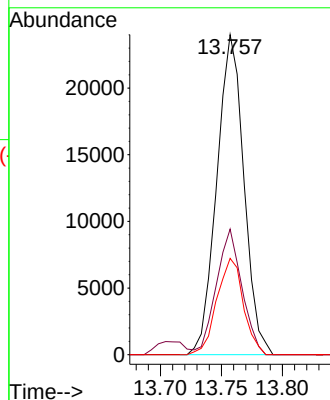
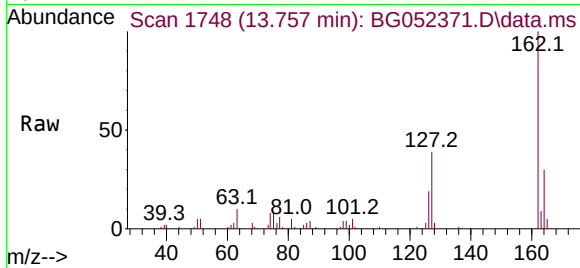




#47
2-Chloronaphthalene
Concen: 9.344 ng
RT: 13.757 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

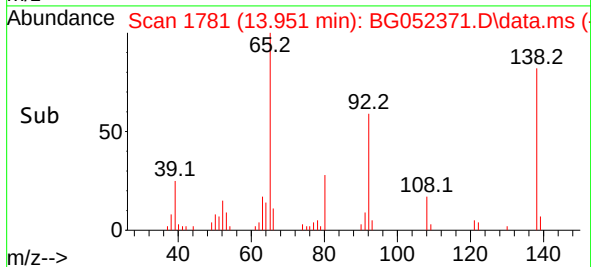
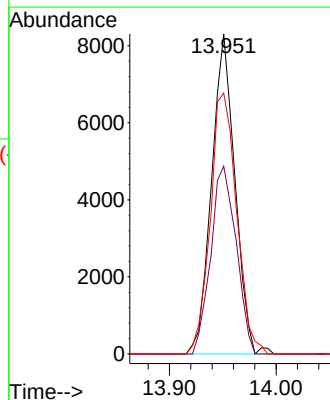
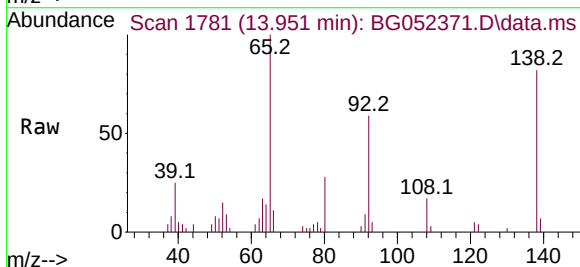
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

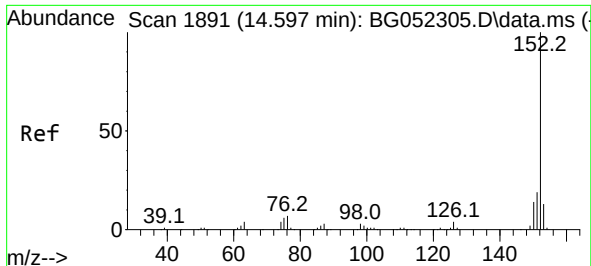
Tgt Ion:	162	Resp:	37085
Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.4	45.6
164	30.1	25.0	37.4



#48
2-Nitroaniline
Concen: 8.920 ng
RT: 13.951 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:	65	Resp:	12605
Ion	Ratio	Lower	Upper
65	100		
92	58.7	51.0	76.6
138	81.6	72.4	108.6

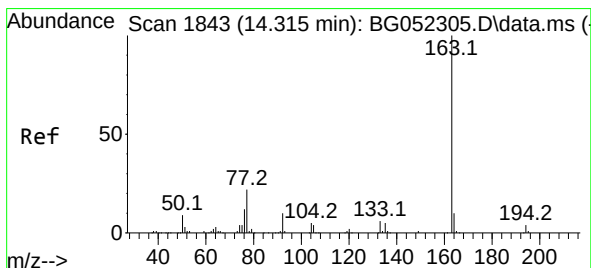
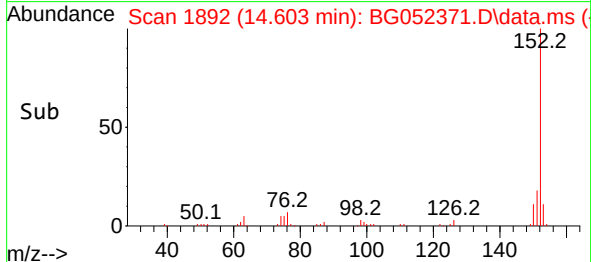
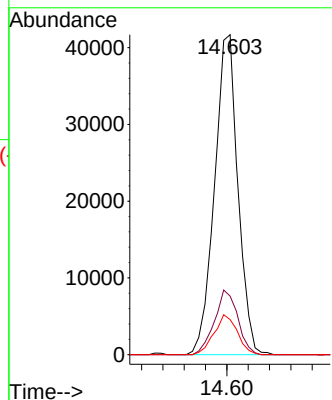
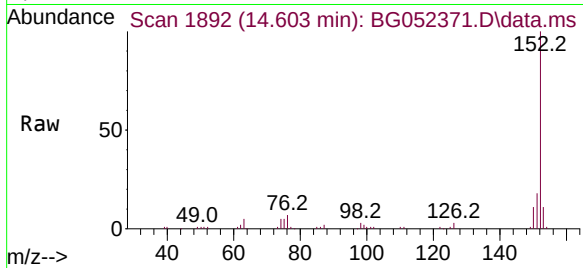




#49
Acenaphthylene
Concen: 9.807 ng
RT: 14.603 min Scan# 1892
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

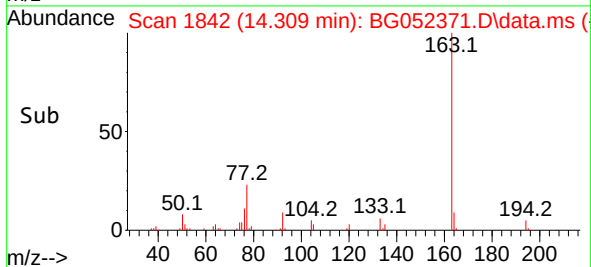
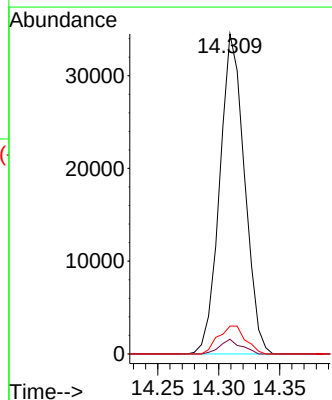
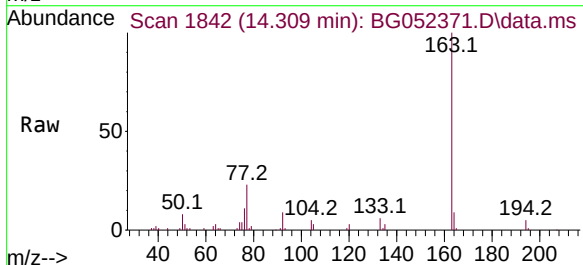
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

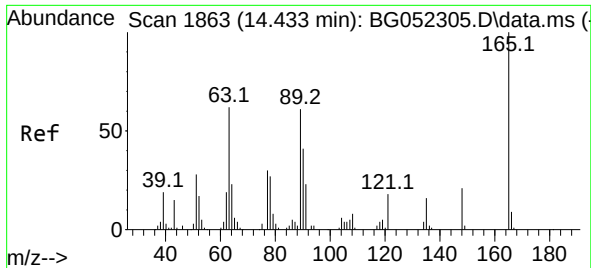
Tgt Ion:152 Resp: 63360
Ion Ratio Lower Upper
152 100
151 18.3 16.1 24.1
153 11.0 10.8 16.2



#50
Dimethylphthalate
Concen: 9.077 ng
RT: 14.309 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:163 Resp: 48854
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 8.7 8.4 12.6

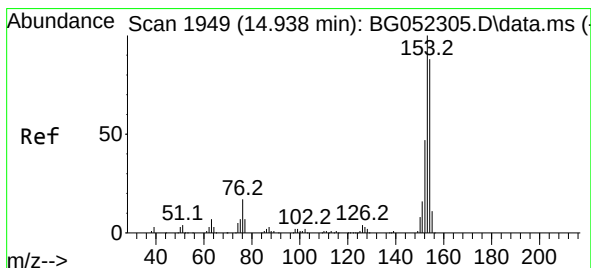
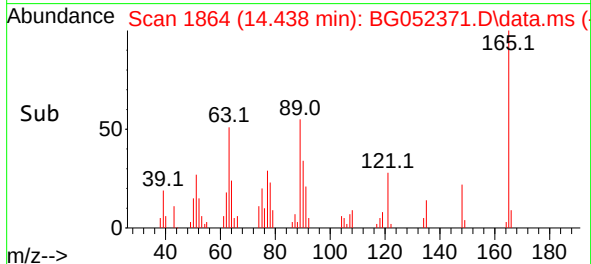
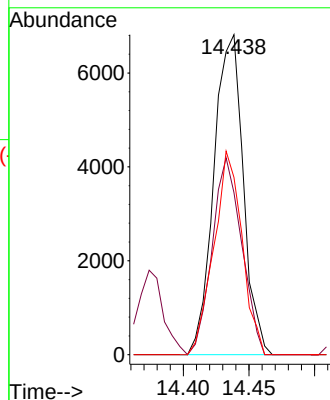
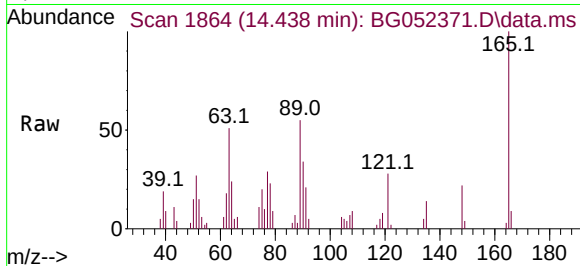




#51
2,6-Dinitrotoluene
Concen: 9.137 ng
RT: 14.438 min Scan# 1863
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

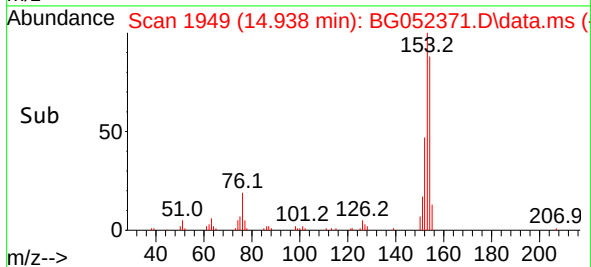
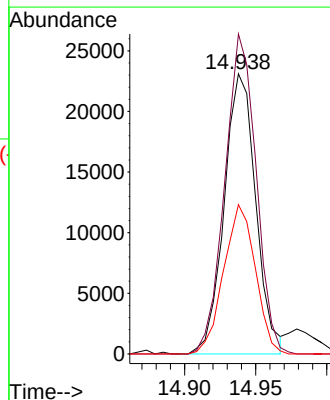
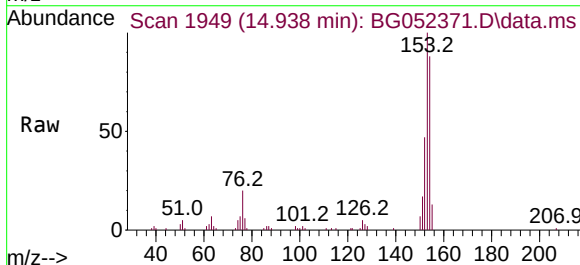
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

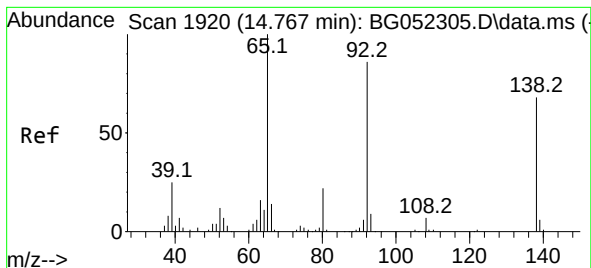
Tgt Ion:165 Resp: 10611
Ion Ratio Lower Upper
165 100
63 50.6 59.0 88.4#
89 55.4 49.4 74.0



#52
Acenaphthene
Concen: 8.450 ng
RT: 14.938 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:154 Resp: 35755
Ion Ratio Lower Upper
154 100
153 114.2 91.9 137.9
152 53.3 43.4 65.2





#53

3-Nitroaniline

Concen: 9.292 ng

RT: 14.767 min Scan# 1920

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

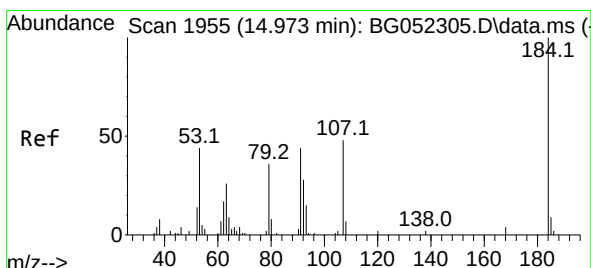
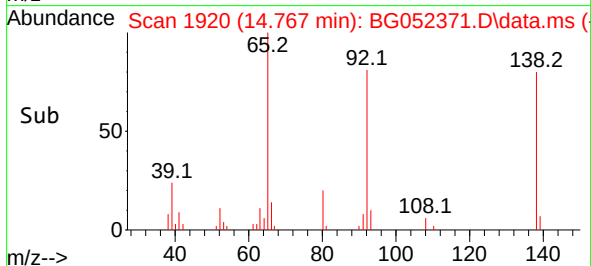
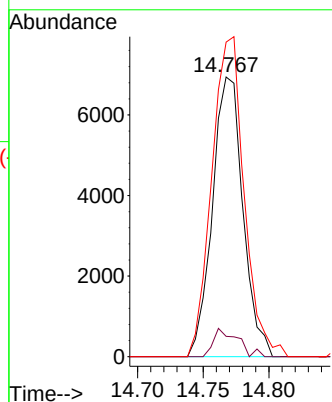
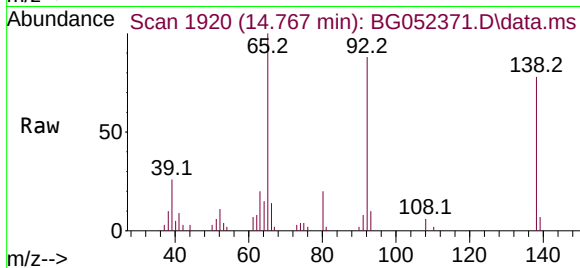
Tgt Ion:138 Resp: 11217

Ion Ratio Lower Upper

138 100

108 7.3 7.8 11.8#

92 112.5 100.4 150.6



#54

2,4-Dinitrophenol

Concen: 9.260 ng

RT: 14.979 min Scan# 1956

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

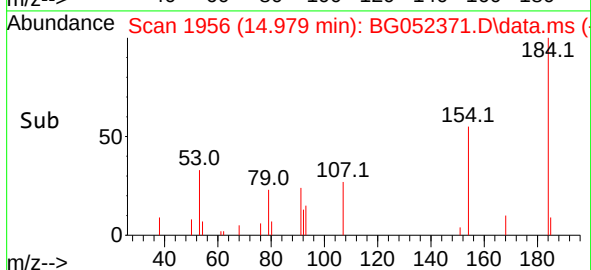
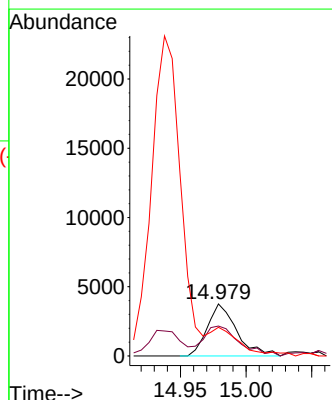
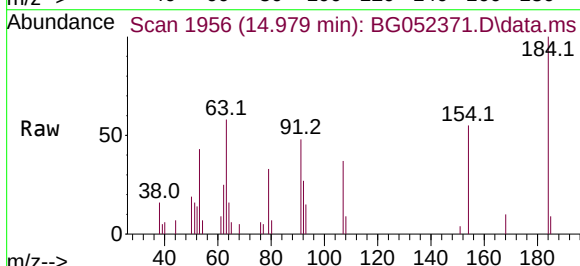
Tgt Ion:184 Resp: 5831

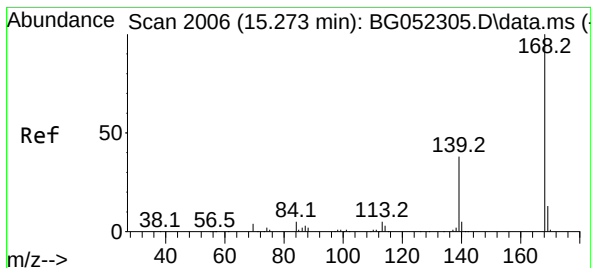
Ion Ratio Lower Upper

184 100

63 57.6 56.0 84.0

154 54.9 50.2 75.2





#55

Dibenzofuran

Concen: 9.069 ng

RT: 15.273 min Scan# 2006

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

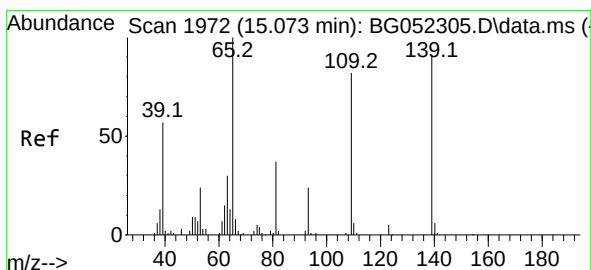
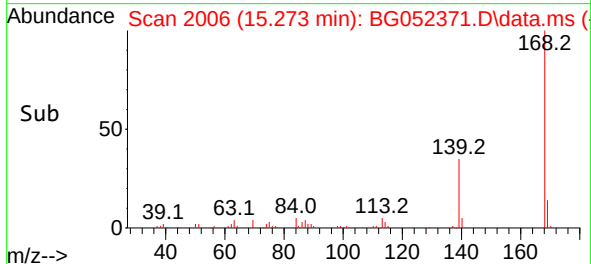
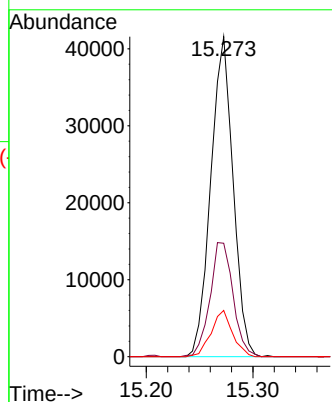
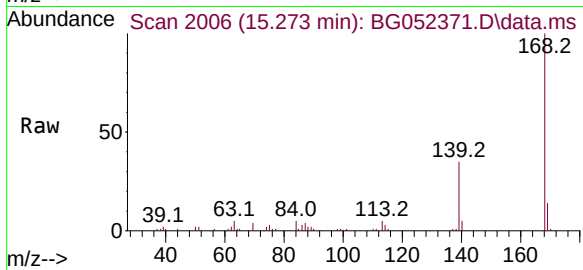
Tgt Ion:168 Resp: 60348

Ion Ratio Lower Upper

168 100

139 35.4 30.7 46.1

169 14.5 10.9 16.3



#56

4-Nitrophenol

Concen: 8.062 ng

RT: 15.085 min Scan# 1974

Delta R.T. 0.012 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

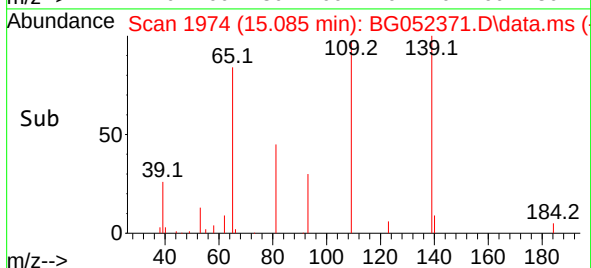
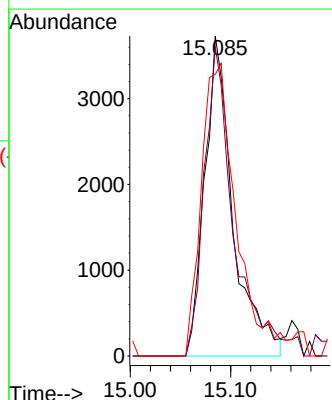
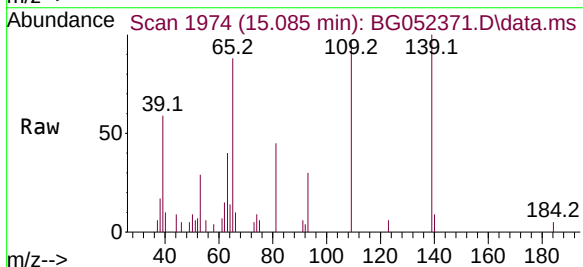
Tgt Ion:139 Resp: 7309

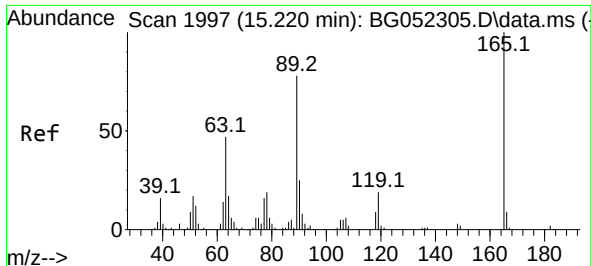
Ion Ratio Lower Upper

139 100

109 96.5 84.9 124.9

65 88.0 109.9 149.9#





#57

2,4-Dinitrotoluene

Concen: 9.604 ng

RT: 15.220 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BG052371.D

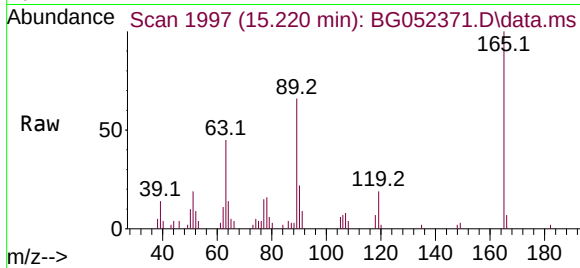
Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:165 Resp: 15876

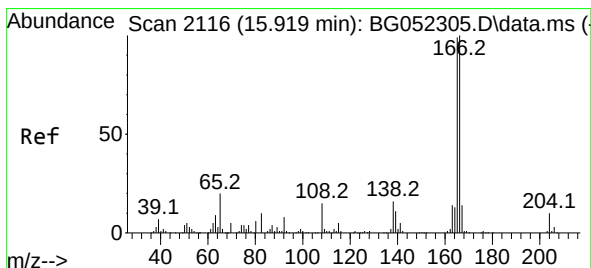
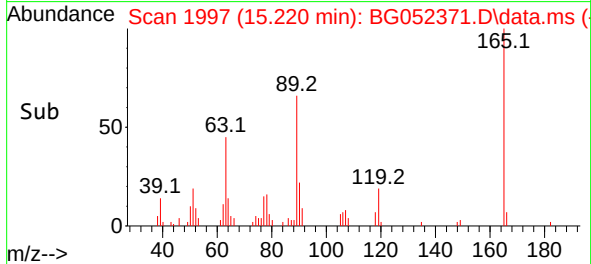
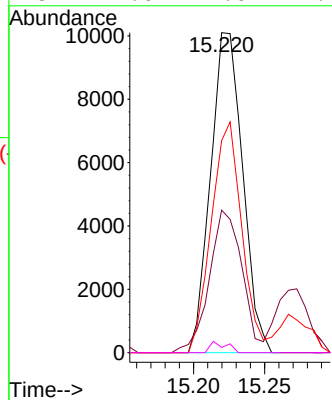
Ion Ratio Lower Upper

165 100

63 44.6 44.6 66.8

89 66.3 67.4 101.0

182 1.6 1.6 2.4



#58

Fluorene

Concen: 9.406 ng

RT: 15.919 min Scan# 2116

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

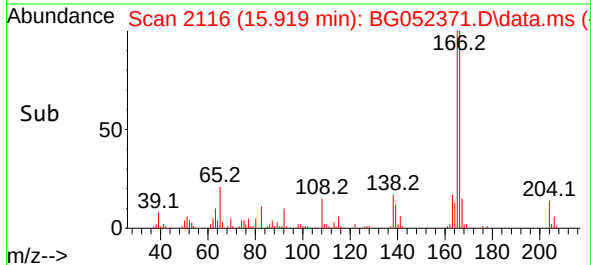
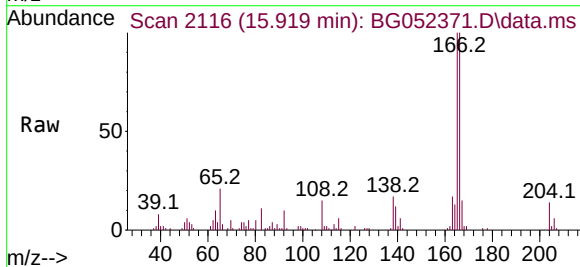
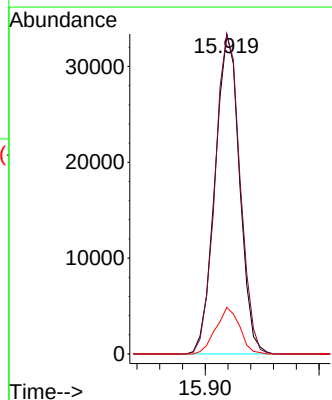
Tgt Ion:166 Resp: 49966

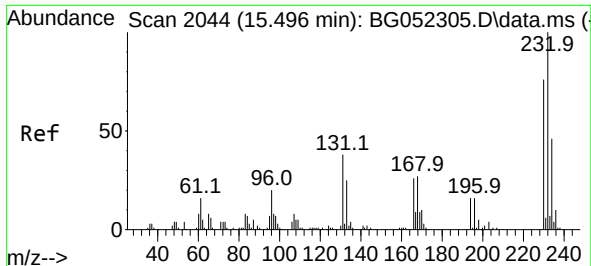
Ion Ratio Lower Upper

166 100

165 99.9 80.0 120.0

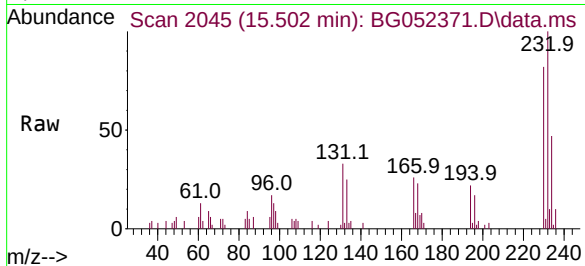
167 14.5 11.1 16.7



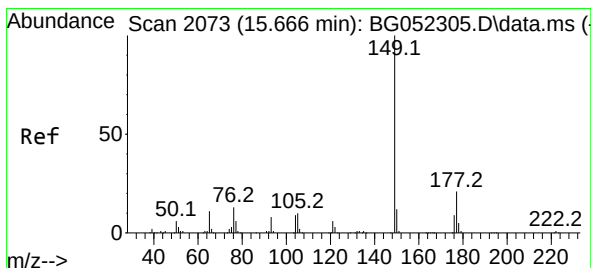
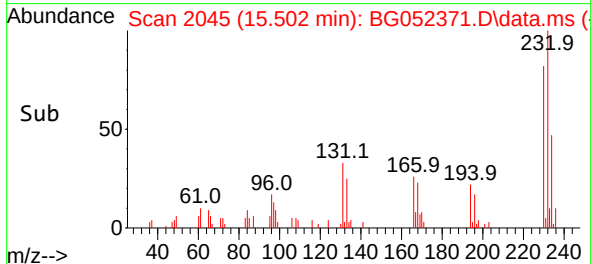
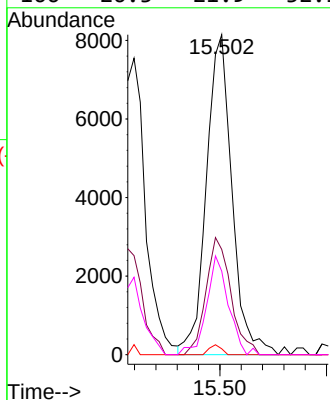


#59
2,3,4,6-Tetrachlorophenol
Concen: 8.692 ng
RT: 15.502 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

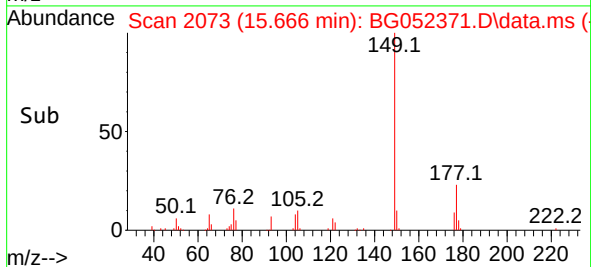
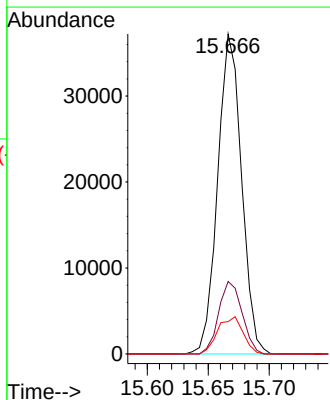
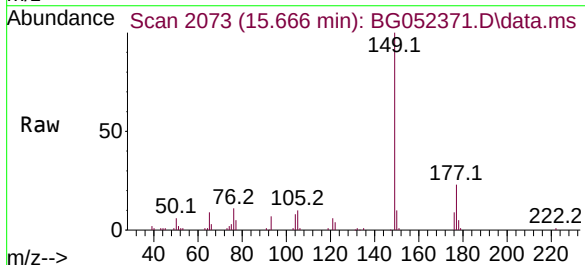


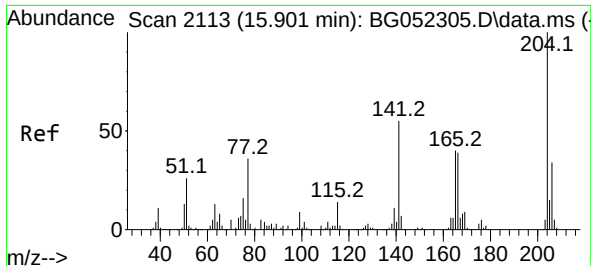
Tgt Ion:232 Resp: 13600
Ion Ratio Lower Upper
232 100
131 35.6 32.2 48.4
130 1.5 2.2 3.4#
166 26.3 21.9 32.9



#60
Diethylphthalate
Concen: 9.320 ng
RT: 15.666 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:149 Resp: 50669
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 10.1 9.2 13.8





#61

4-Chlorophenyl-phenylether

Concen: 8.841 ng

RT: 15.901 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

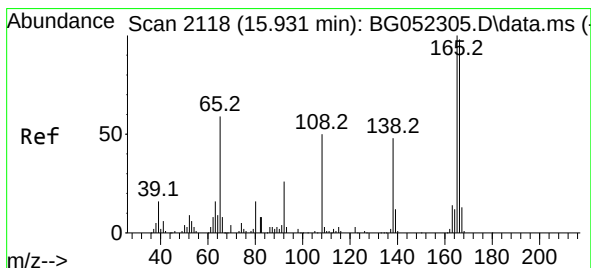
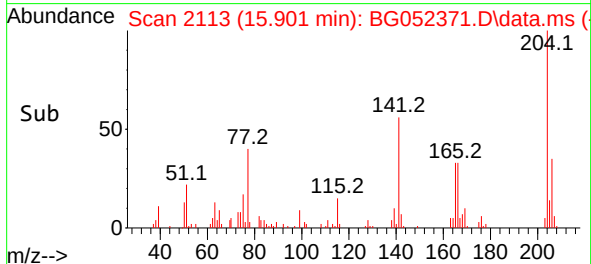
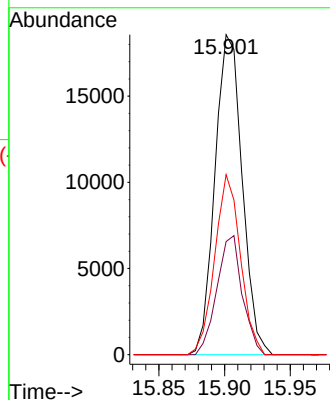
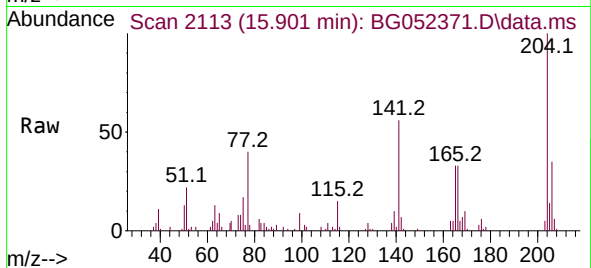
Tgt Ion:204 Resp: 26752

Ion Ratio Lower Upper

204 100

206 35.3 28.4 42.6

141 56.3 41.8 62.6



#62

4-Nitroaniline

Concen: 9.919 ng

RT: 15.925 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

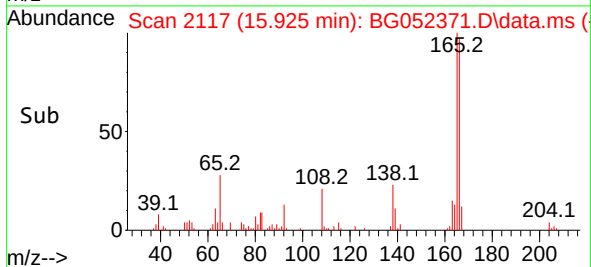
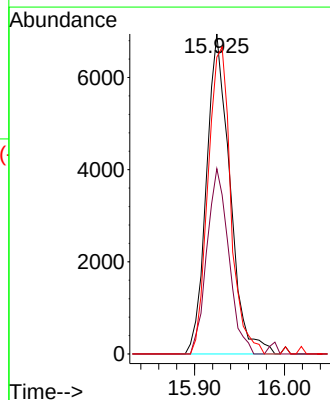
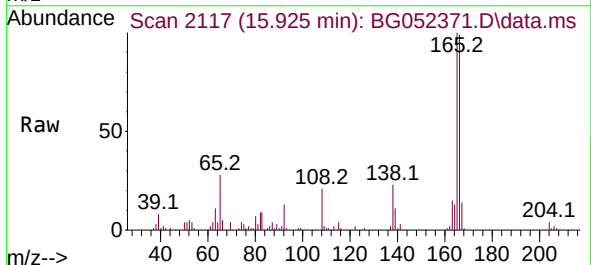
Tgt Ion:138 Resp: 12606

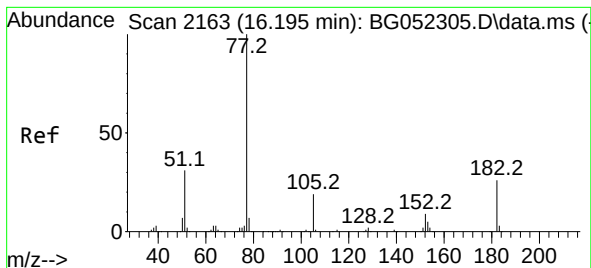
Ion Ratio Lower Upper

138 100

92 57.9 35.5 75.5

108 92.7 96.4 136.4#





#63

Azobenzene

Concen: 8.976 ng

RT: 16.195 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 49957

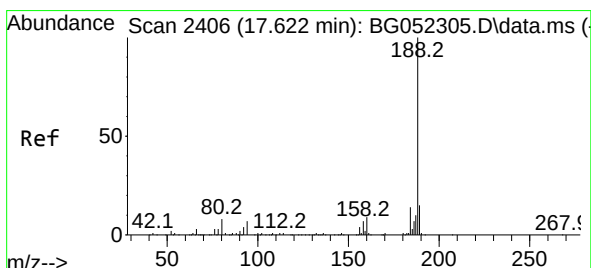
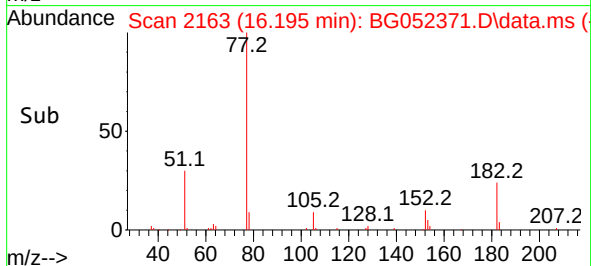
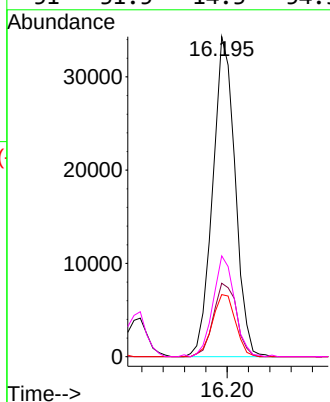
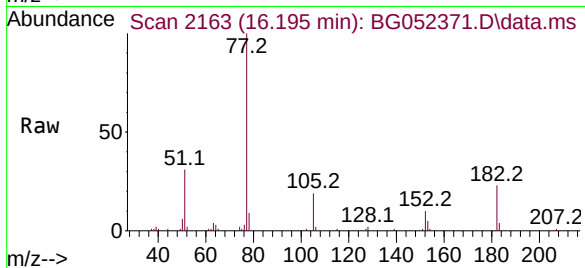
Ion Ratio Lower Upper

77 100

182 22.9 4.1 44.1

105 19.4 0.0 37.5

51 31.5 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.622 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

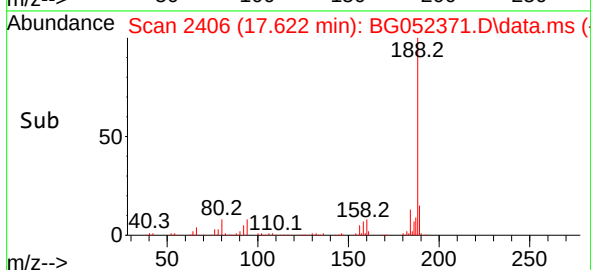
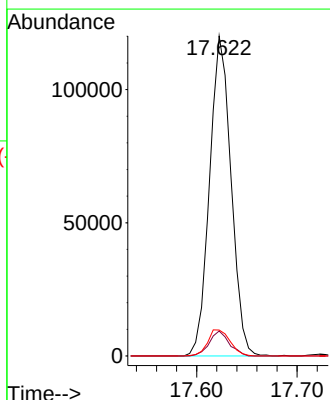
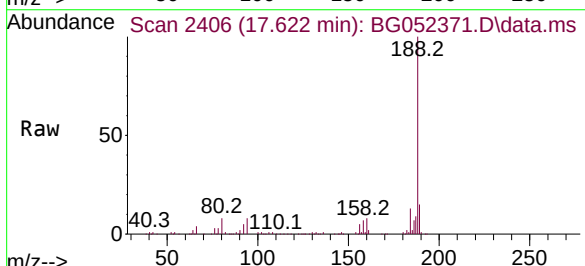
Tgt Ion:188 Resp: 179050

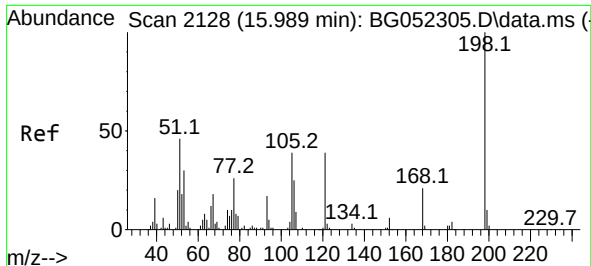
Ion Ratio Lower Upper

188 100

94 7.8 5.9 8.9

80 8.1 6.6 10.0

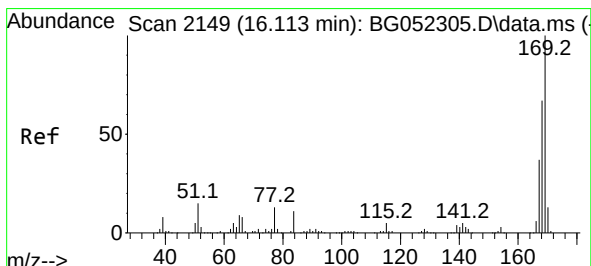
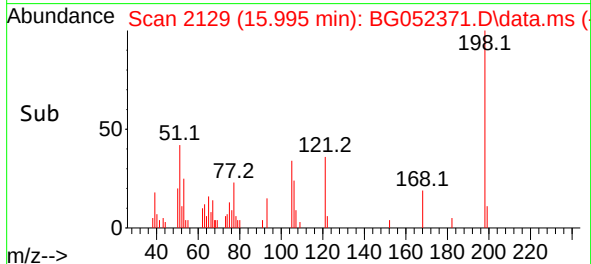
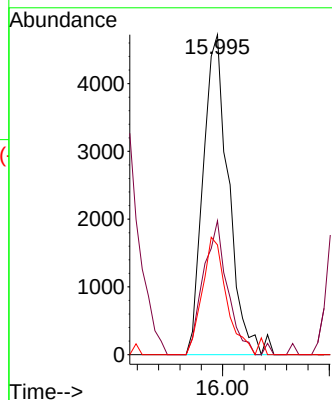
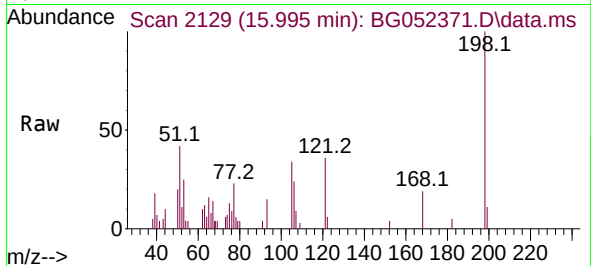




#65
4,6-Dinitro-2-methylphenol
Concen: 7.260 ng
RT: 15.995 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

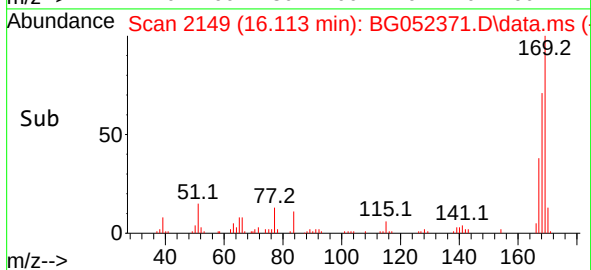
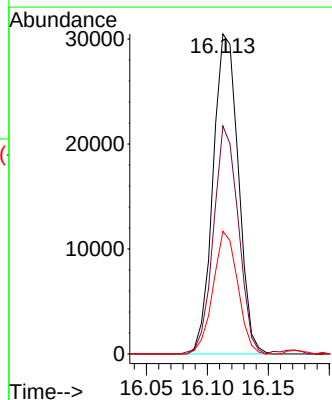
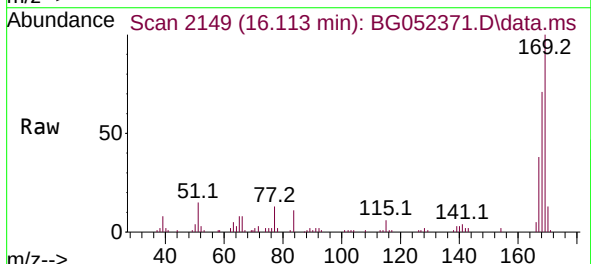
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

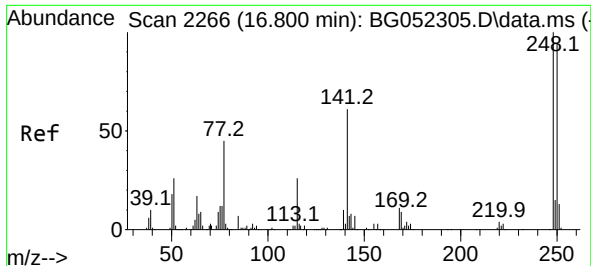
Tgt Ion:198 Resp: 7820
Ion Ratio Lower Upper
198 100
51 41.8 31.6 71.6
105 34.3 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 8.924 ng
RT: 16.113 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:169 Resp: 44027
Ion Ratio Lower Upper
169 100
168 71.2 57.4 86.0
167 38.4 29.5 44.3

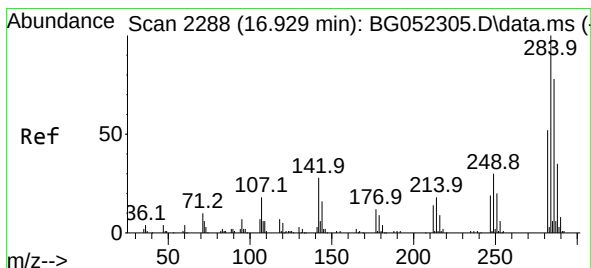
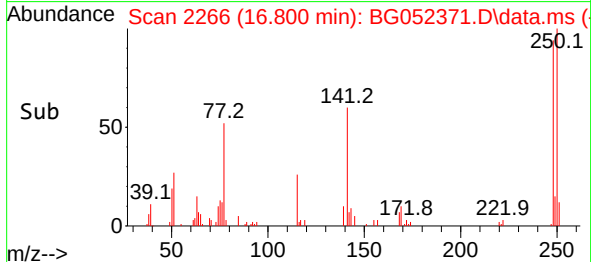
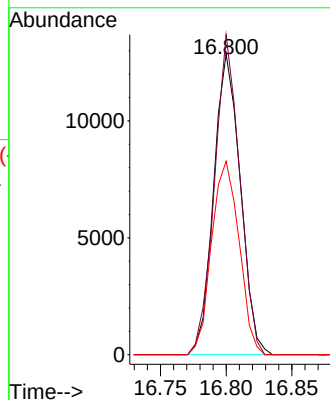
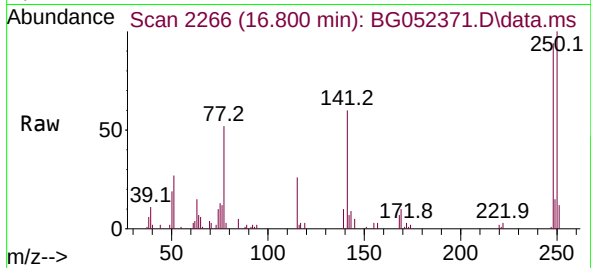




#67
4-Bromophenyl-phenylether
Concen: 8.342 ng
RT: 16.800 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

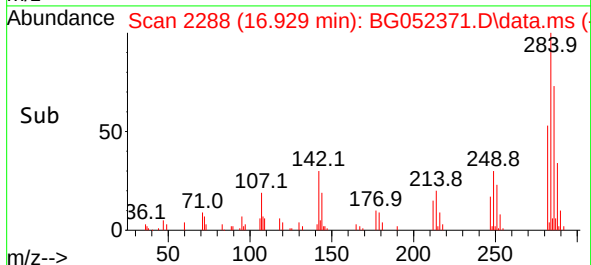
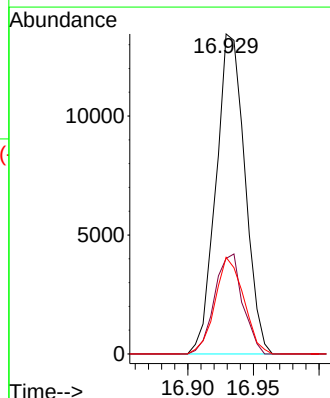
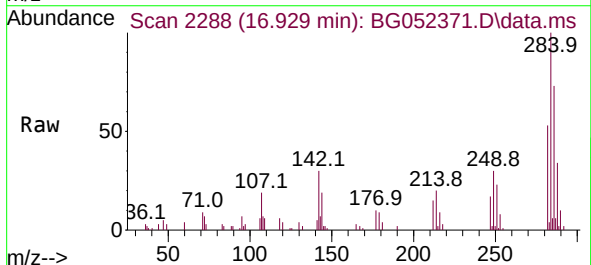
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

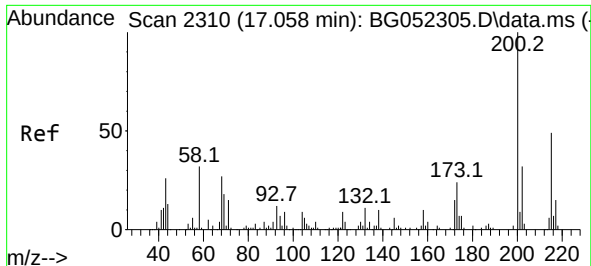
Tgt Ion:248 Resp: 18165
Ion Ratio Lower Upper
248 100
250 106.4 79.6 119.4
141 64.3 54.6 81.8



#68
Hexachlorobenzene
Concen: 8.708 ng
RT: 16.929 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:284 Resp: 20566
Ion Ratio Lower Upper
284 100
142 29.8 26.2 39.2
249 30.2 26.9 40.3

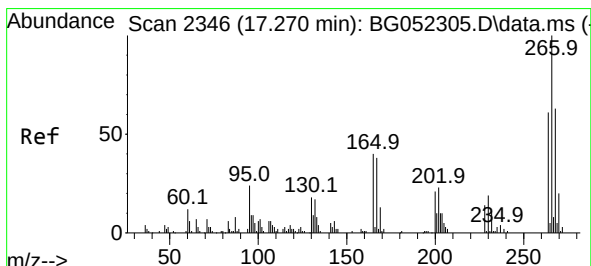
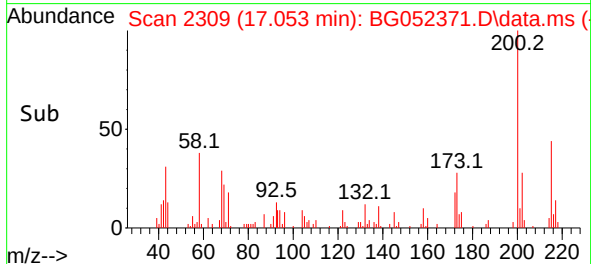
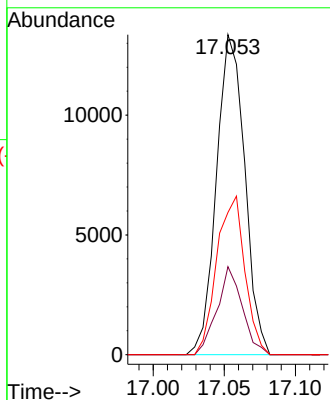
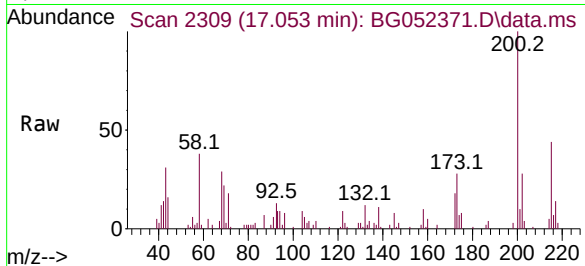




#69
 Atrazine
 Concen: 9.244 ng
 RT: 17.053 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

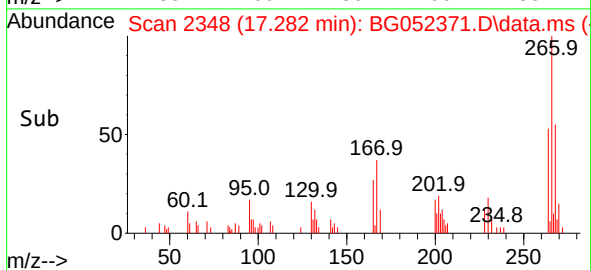
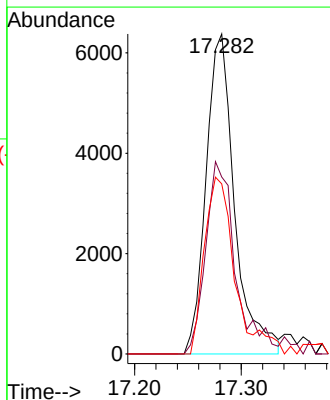
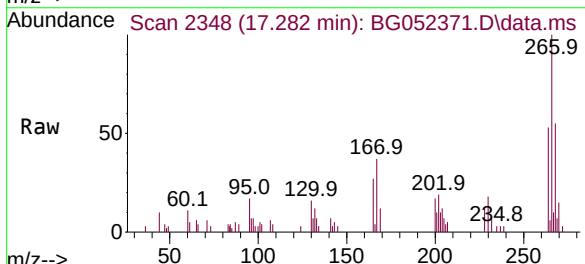
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

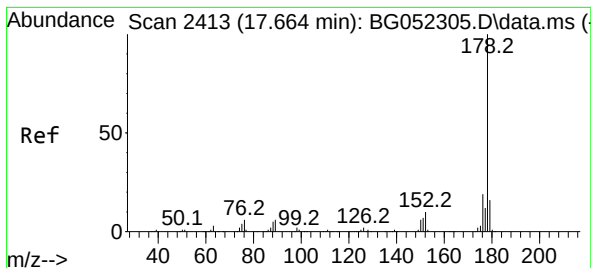
Tgt Ion:200 Resp: 18437
 Ion Ratio Lower Upper
 200 100
 173 27.5 3.3 43.3
 215 44.5 24.4 64.4



#70
 Pentachlorophenol
 Concen: 10.275 ng
 RT: 17.282 min Scan# 2348
 Delta R.T. 0.012 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

Tgt Ion:266 Resp: 11872
 Ion Ratio Lower Upper
 266 100
 268 55.3 50.6 75.8
 264 53.2 52.2 78.2





#71

Phenanthrene

Concen: 9.034 ng

RT: 17.664 min Scan# 2413

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

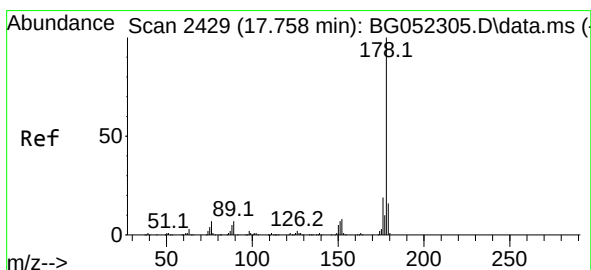
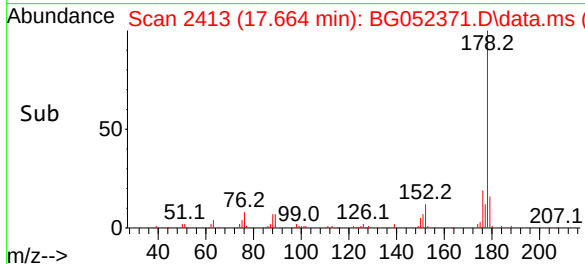
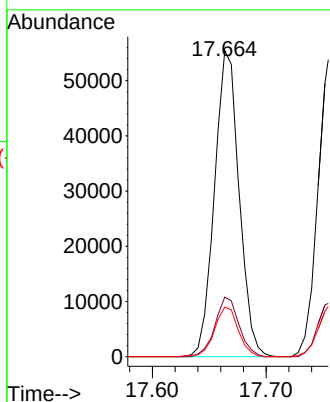
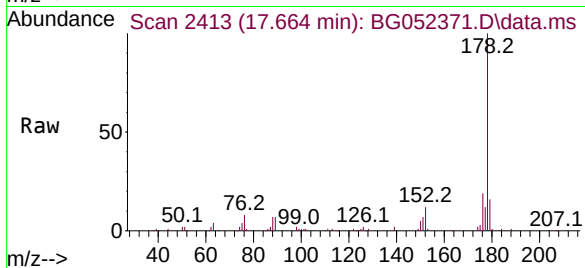
Tgt Ion:178 Resp: 83385

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

179 16.2 12.6 18.8



#72

Anthracene

Concen: 9.391 ng

RT: 17.758 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

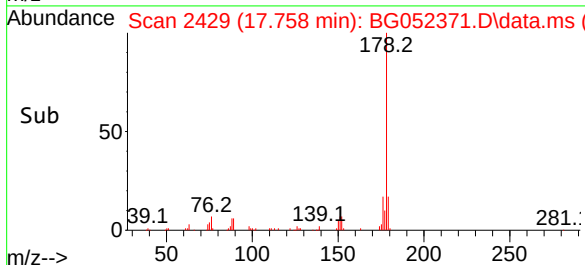
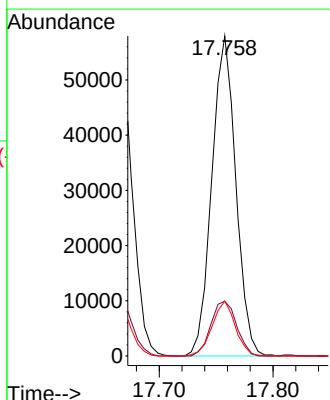
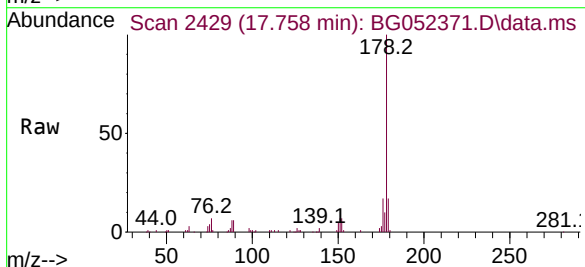
Tgt Ion:178 Resp: 84944

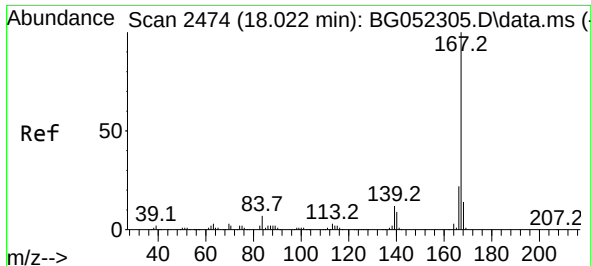
Ion Ratio Lower Upper

178 100

176 17.1 15.3 22.9

179 17.2 13.1 19.7

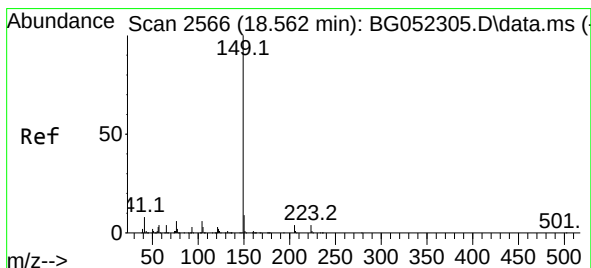
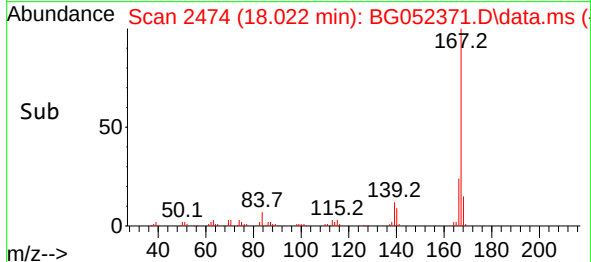
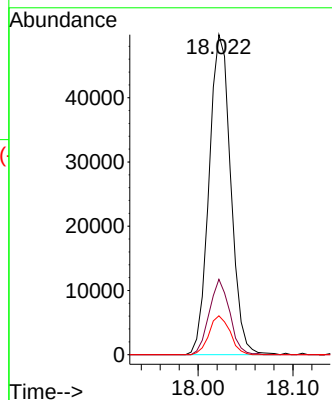
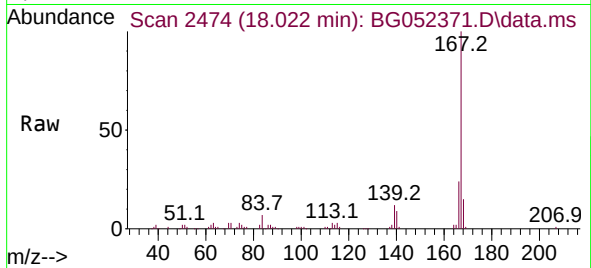




#73
 Carbazole
 Concen: 8.958 ng
 RT: 18.022 min Scan# 2474
 Delta R.T. 0.000 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

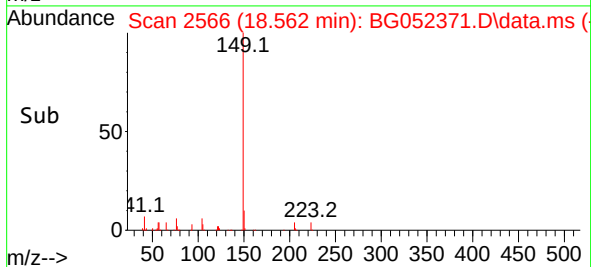
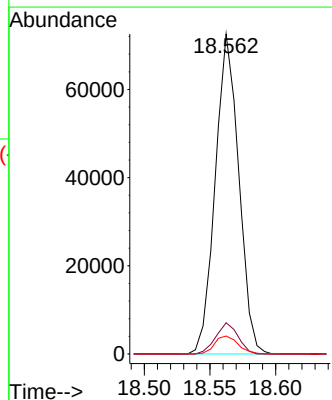
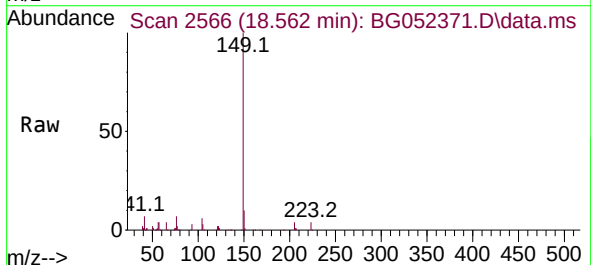
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

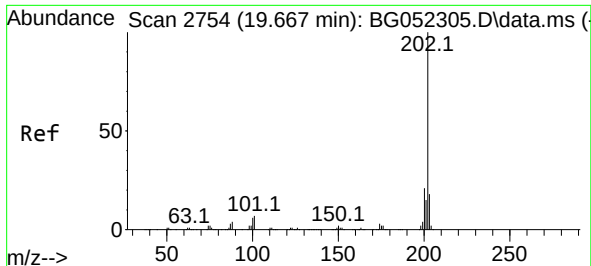
Tgt Ion:167	Resp:	79027
Ion Ratio	Lower	Upper
167	100	
166	23.5	17.8 26.6
139	12.1	10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 9.387 ng
 RT: 18.562 min Scan# 2566
 Delta R.T. 0.000 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

Tgt Ion:149	Resp:	90222
Ion Ratio	Lower	Upper
149	100	
150	9.7	7.4 11.0
104	5.6	5.4 8.2

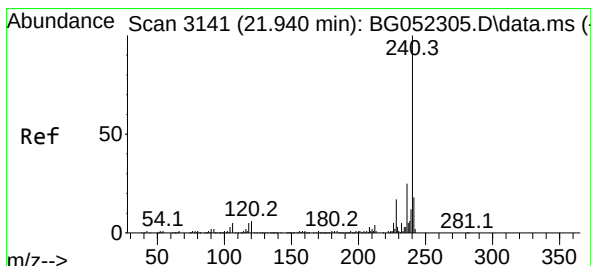
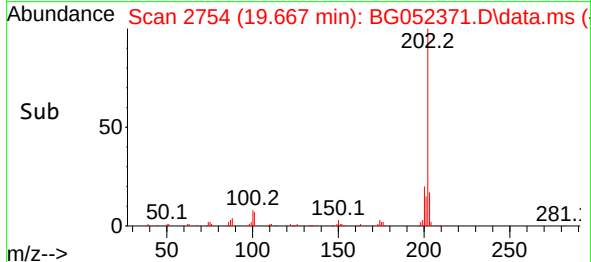
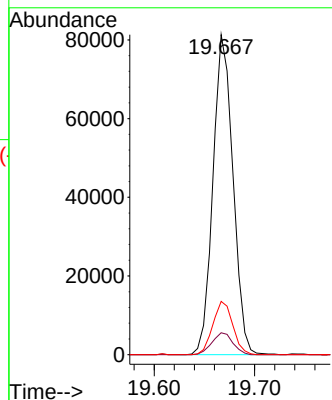
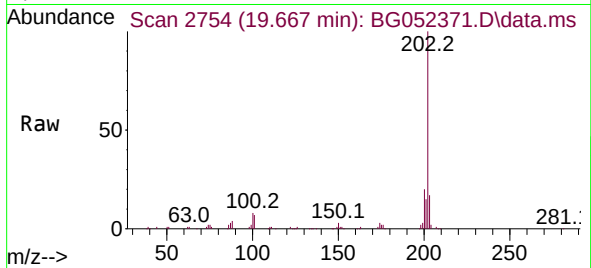




#75
Fluoranthene
Concen: 9.596 ng
RT: 19.667 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

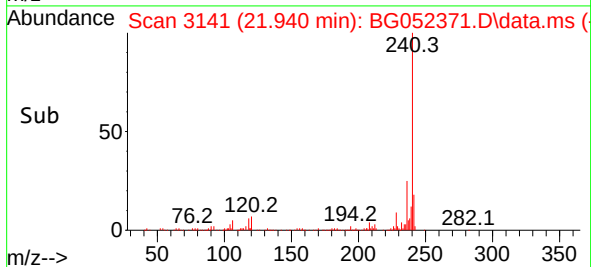
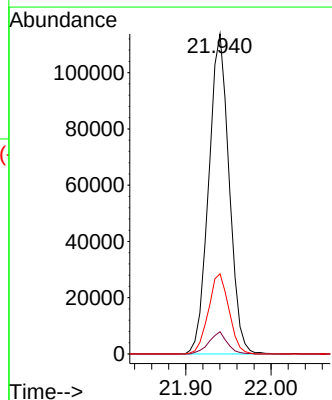
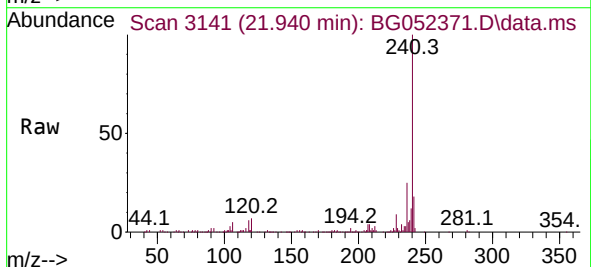
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

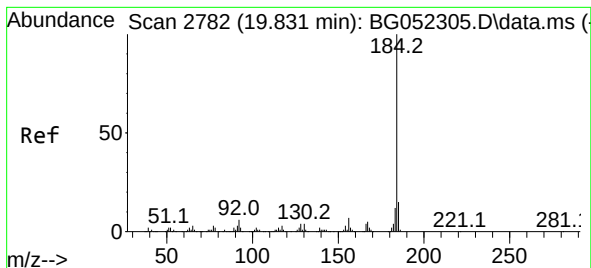
Tgt Ion:202 Resp: 112781
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.1
203 16.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.940 min Scan# 3141
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:240 Resp: 188994
Ion Ratio Lower Upper
240 100
120 7.0 4.4 6.6#
236 25.1 20.8 31.2





#77

Benzidine

Concen: 14.394 ng

RT: 19.837 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

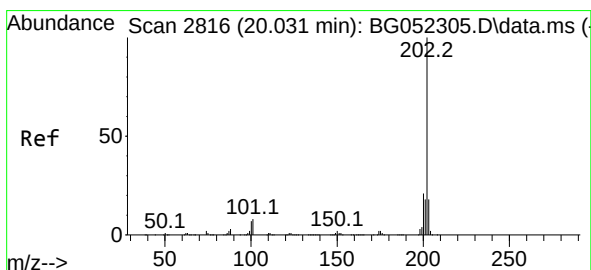
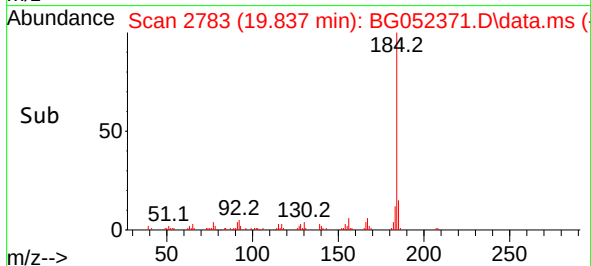
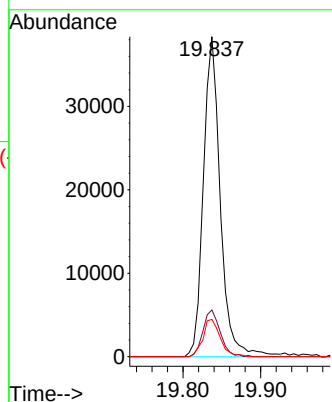
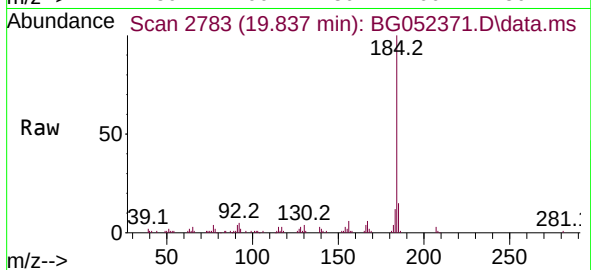
Tgt Ion:184 Resp: 58129

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.8

183 11.7 9.8 14.6



#78

Pyrene

Concen: 9.054 ng

RT: 20.031 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

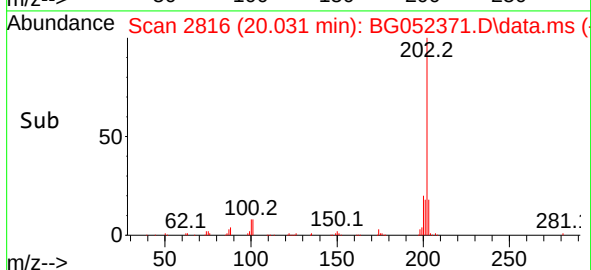
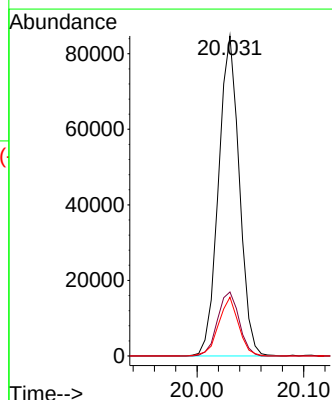
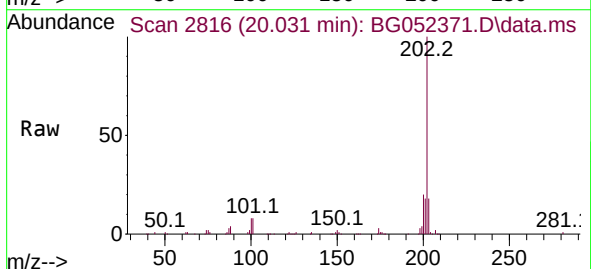
Tgt Ion:202 Resp: 114501

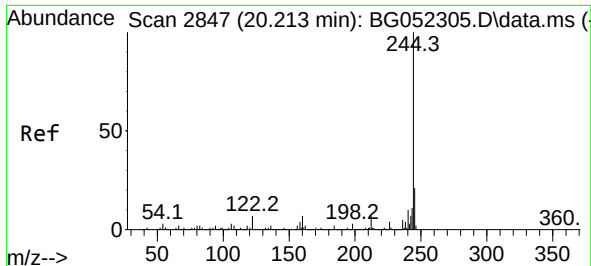
Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

203 18.3 14.5 21.7

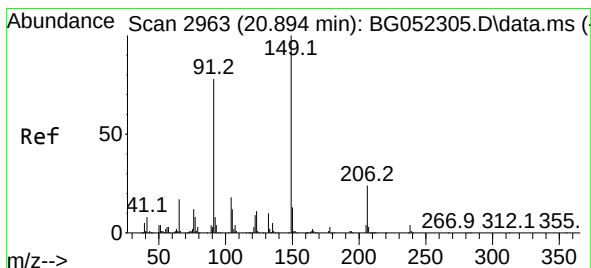
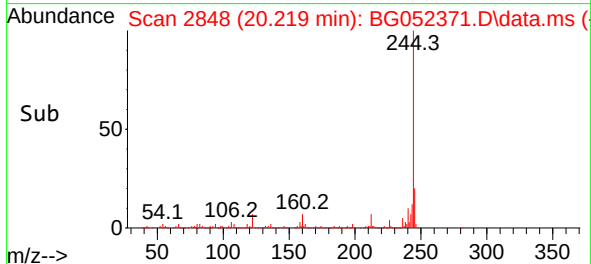
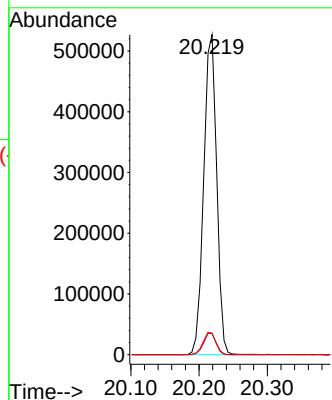
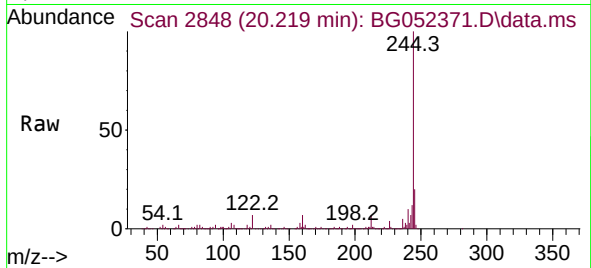




#79
 Terphenyl-d14
 Concen: 64.942 ng
 RT: 20.219 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

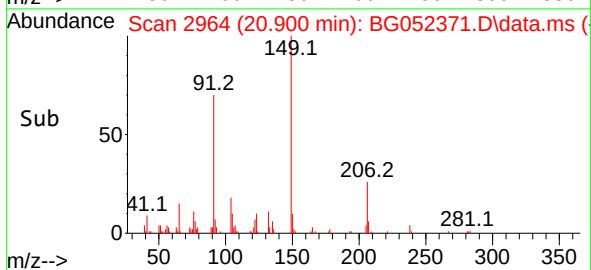
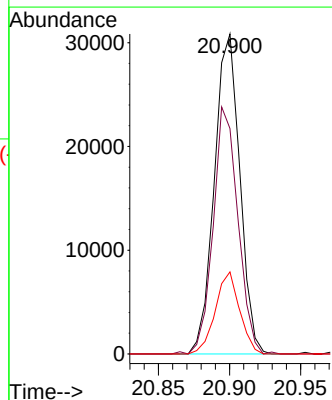
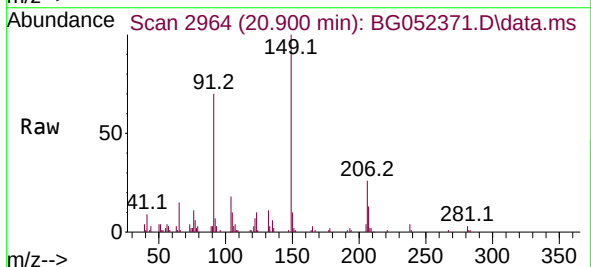
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

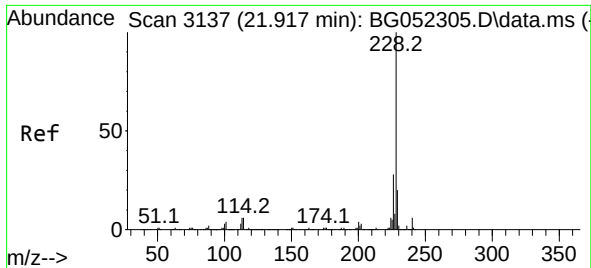
Tgt Ion:244 Resp: 695048
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 6.8 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 8.736 ng
 RT: 20.900 min Scan# 2964
 Delta R.T. 0.006 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

Tgt Ion:149 Resp: 38377
 Ion Ratio Lower Upper
 149 100
 91 70.4 64.0 96.0
 206 25.6 19.3 28.9

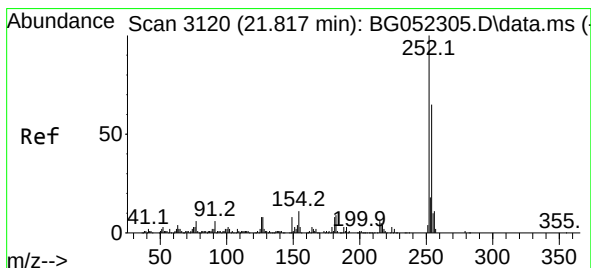
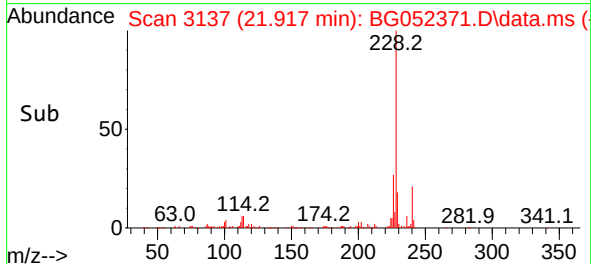
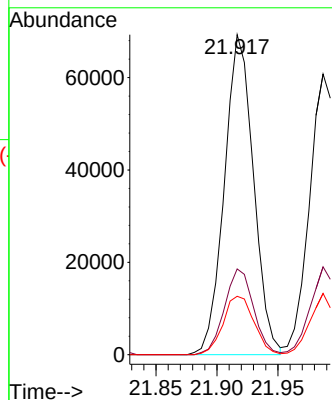
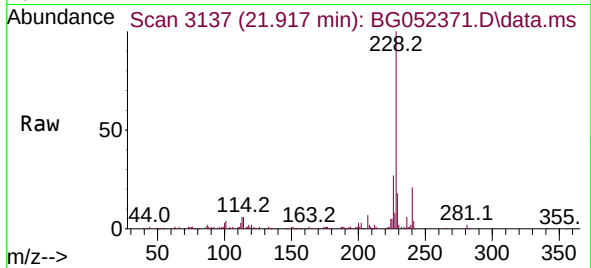




#81
Benzo(a)anthracene
Concen: 9.210 ng
RT: 21.917 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

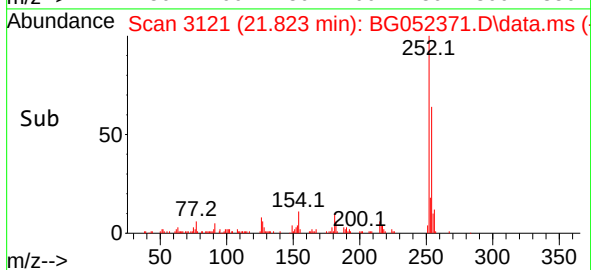
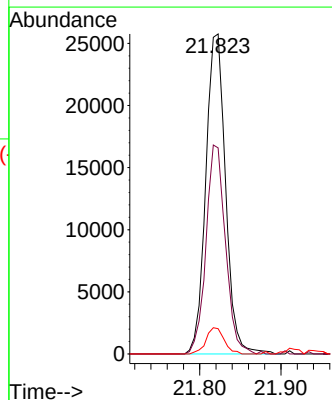
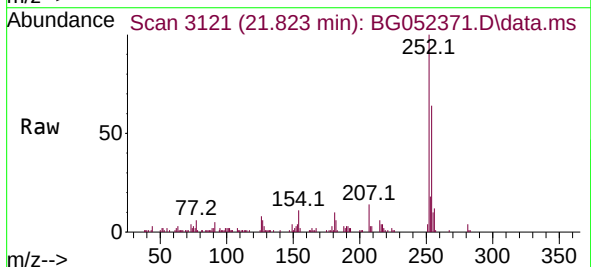
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

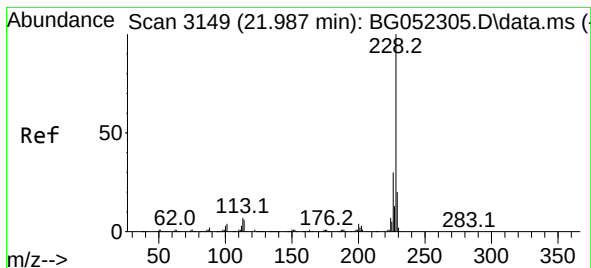
Tgt Ion:228 Resp: 115183
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 18.3 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 9.980 ng
RT: 21.823 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:252 Resp: 43573
Ion Ratio Lower Upper
252 100
254 64.4 52.6 79.0
126 7.9 6.4 9.6





#83

Chrysene

Concen: 8.781 ng

RT: 21.987 min Scan# 3149

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

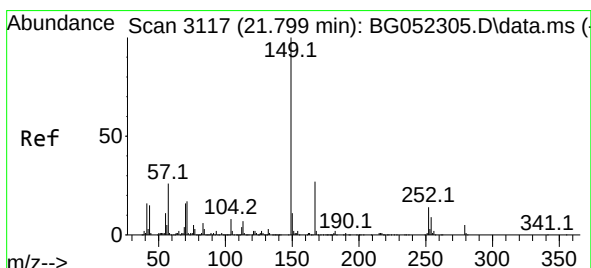
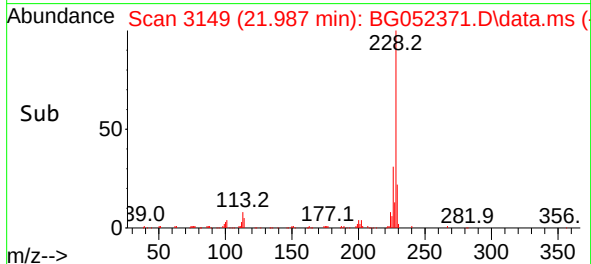
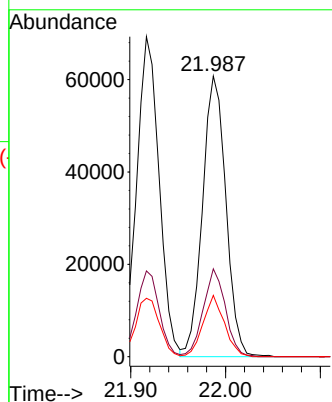
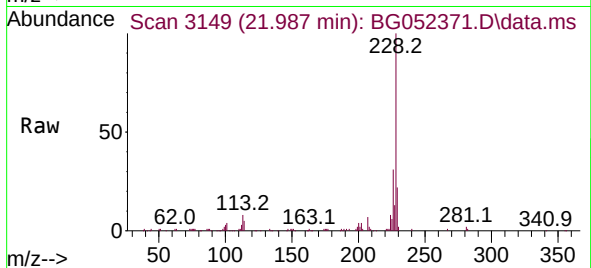
Tgt Ion:228 Resp: 104068

Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 21.8 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.790 ng

RT: 21.793 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

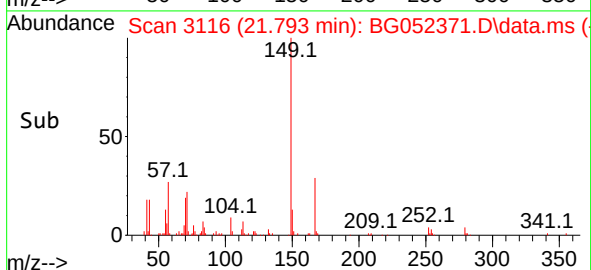
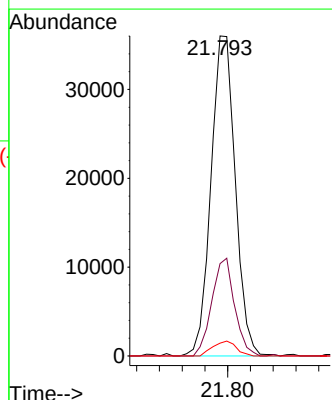
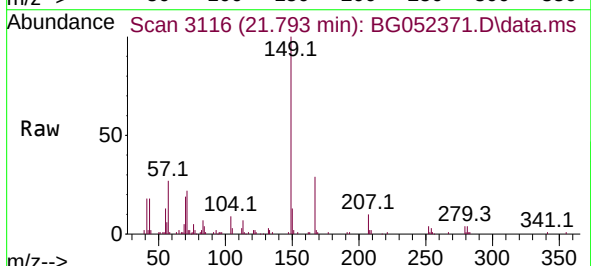
Tgt Ion:149 Resp: 53539

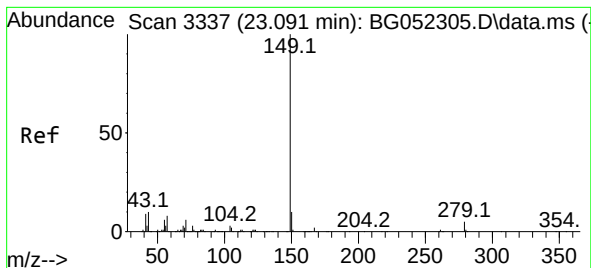
Ion Ratio Lower Upper

149 100

167 28.8 21.4 32.0

279 4.0 4.2 6.2#





#85

Di-n-octyl phthalate

Concen: 9.246 ng

RT: 23.091 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

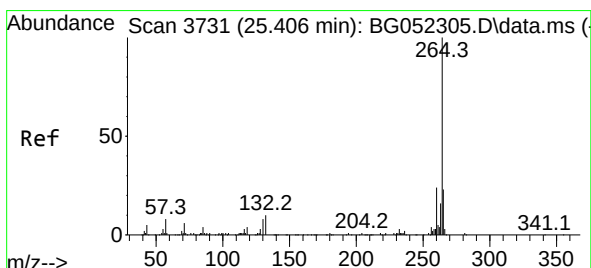
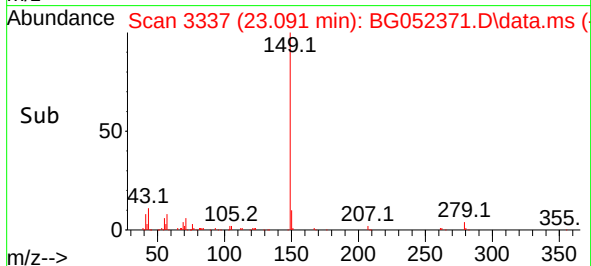
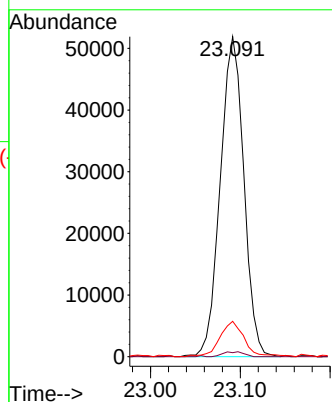
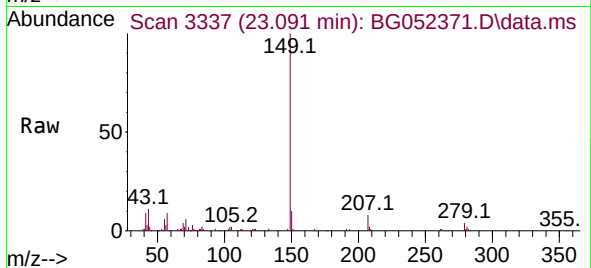
Tgt Ion:149 Resp: 94423

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 11.6 10.0 15.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.412 min Scan# 3732

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

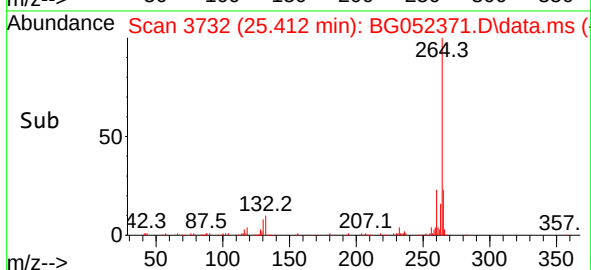
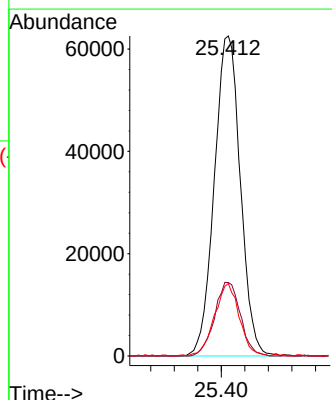
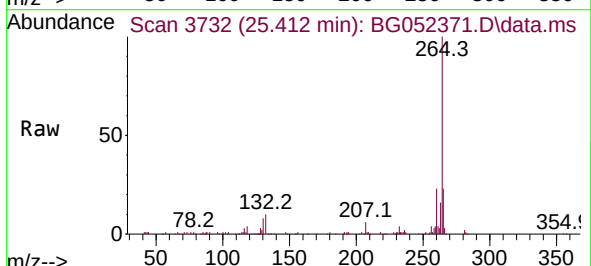
Tgt Ion:264 Resp: 191554

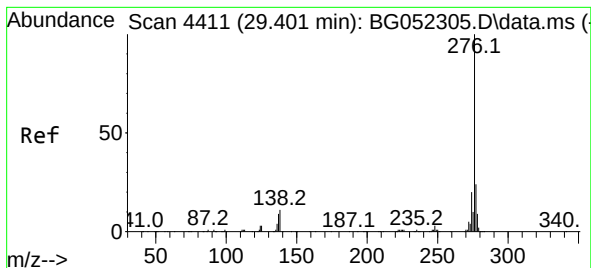
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 22.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.464 ng

RT: 29.412 min Scan# 4411

Delta R.T. 0.012 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

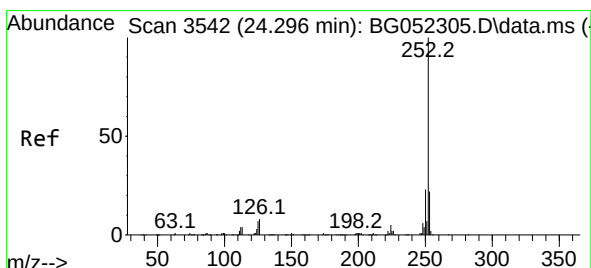
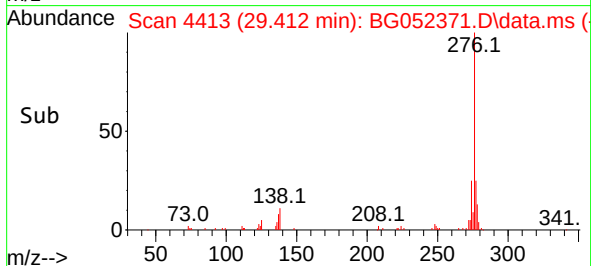
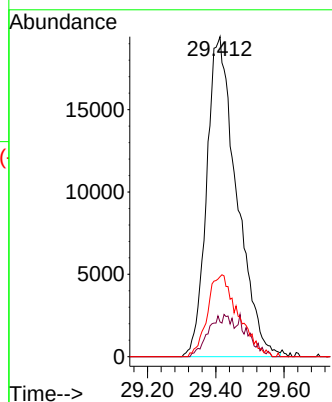
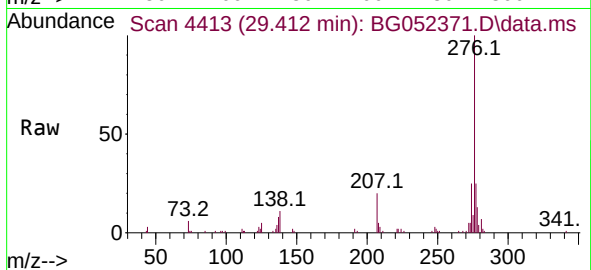
Tgt Ion:276 Resp: 118643

Ion Ratio Lower Upper

276 100

138 6.2 6.1 9.1

277 26.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.428 ng

RT: 24.302 min Scan# 3543

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

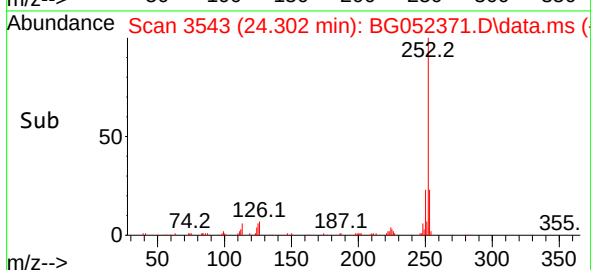
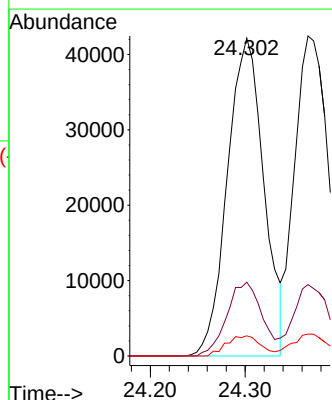
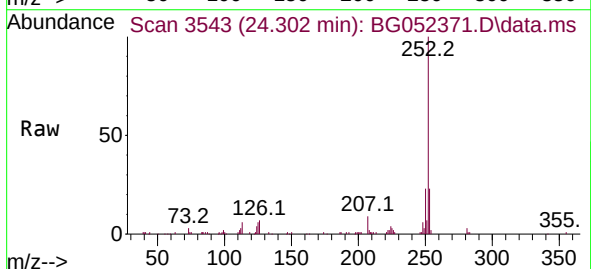
Tgt Ion:252 Resp: 112544

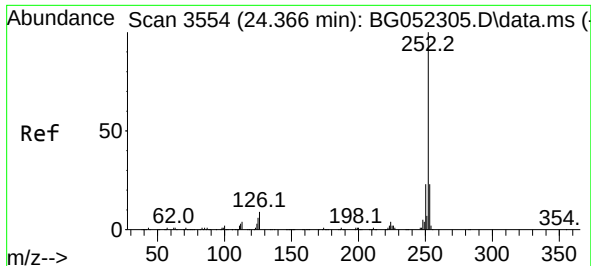
Ion Ratio Lower Upper

252 100

253 23.2 18.3 27.5

125 6.3 5.4 8.2

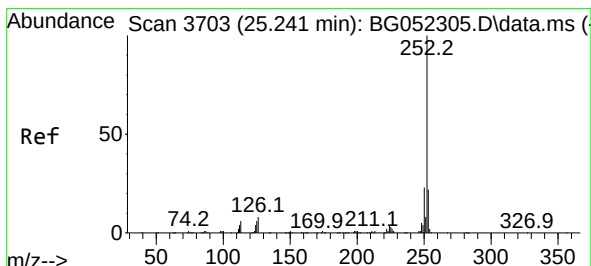
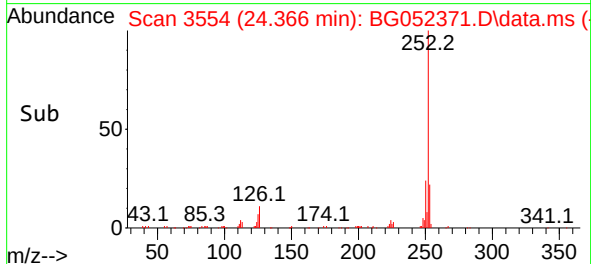
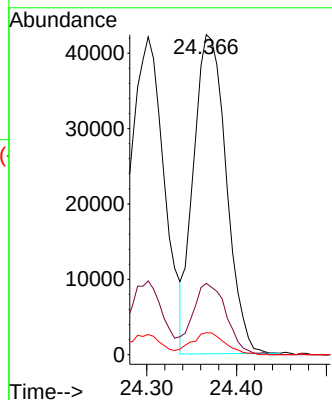
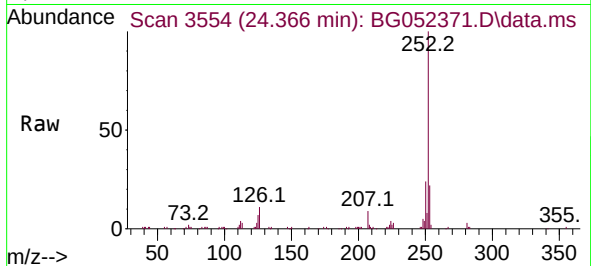




#89
Benzo(k)fluoranthene
Concen: 9.071 ng
RT: 24.366 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

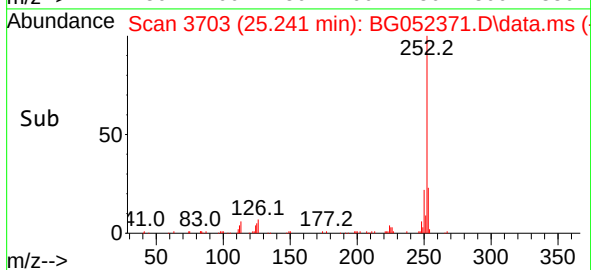
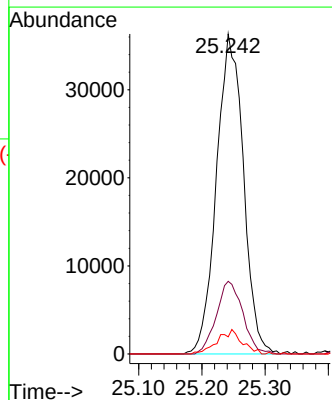
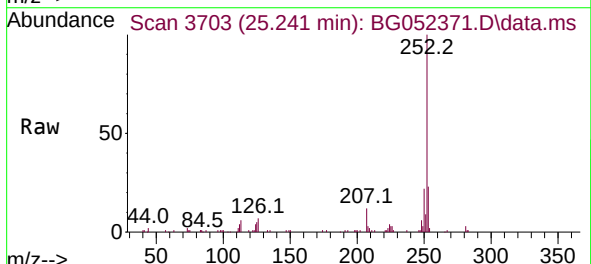
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

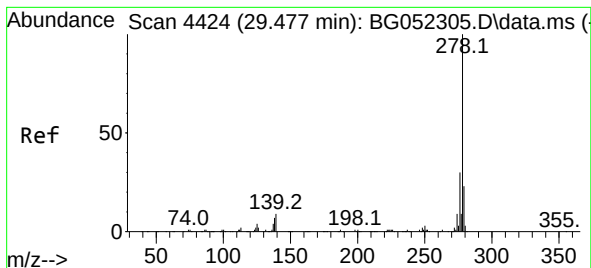
Tgt Ion:252 Resp: 106968
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 6.8 4.6 7.0



#90
Benzo(a)pyrene
Concen: 10.638 ng
RT: 25.241 min Scan# 3703
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion:252 Resp: 107263
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 5.3 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 9.010 ng

RT: 29.471 min Scan# 4424

Delta R.T. -0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

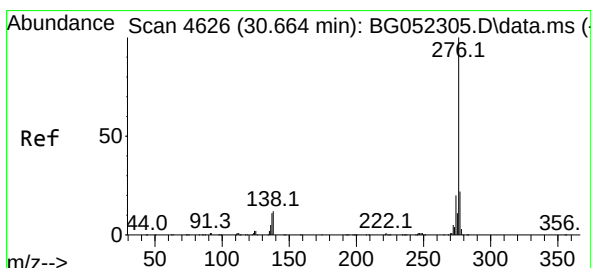
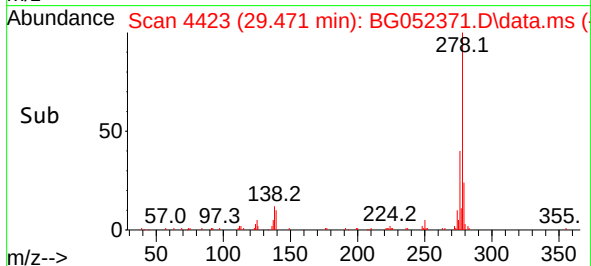
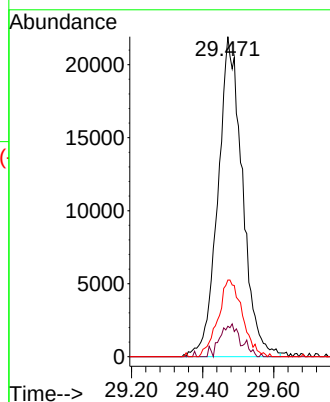
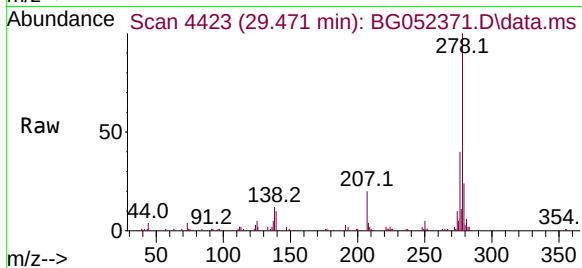
Tgt Ion:278 Resp: 104333

Ion Ratio Lower Upper

278 100

139 9.5 6.4 9.6

279 23.9 20.1 30.1



#92

Benzo(g,h,i)perylene

Concen: 8.856 ng

RT: 30.664 min Scan# 4626

Delta R.T. 0.000 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Tgt Ion:276 Resp: 100646

Ion Ratio Lower Upper

276 100

277 21.3 18.2 27.2

138 11.4 9.1 13.7

