

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021622\
 Data File : BG052410.D
 Acq On : 16 Feb 2022 15:48
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 16 17:32:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 12:53:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	26569	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	111861	20.000	ng	# 0.00
39) Acenaphthene-d10	14.869	164	83636	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	212036	20.000	ng	0.00
76) Chrysene-d12	21.930	240	223135	20.000	ng	# 0.00
86) Perylene-d12	25.390	264	224109	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.752	112	160860	105.520	ng	0.00
7) Phenol-d6	7.367	99	237490	100.968	ng	0.00
23) Nitrobenzene-d5	9.400	82	178306	69.277	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	131432	109.384	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	425745	70.733	ng	0.00
79) Terphenyl-d14	20.209	244	884626	70.008	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.579	88	5945	8.469	ng	# 87
3) Pyridine	4.001	79	20515	10.077	ng	98
4) n-Nitrosodimethylamine	3.902	42	10916	10.384	ng	# 83
6) Aniline	7.538	93	33573	12.286	ng	94
8) 2-Chlorophenol	7.790	128	19583	11.677	ng	86
9) Benzaldehyde	7.344	77	16603	11.499	ng	96
10) Phenol	7.397	94	26052	11.147	ng	98
11) bis(2-Chloroethyl)ether	7.626	93	19191	10.743	ng	94
12) 1,3-Dichlorobenzene	8.114	146	21462	11.232	ng	93
13) 1,4-Dichlorobenzene	8.260	146	21940	11.264	ng	99
14) 1,2-Dichlorobenzene	8.589	146	21653	11.271	ng	96
15) Benzyl Alcohol	8.460	79	20818	10.664	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.748	45	28098	10.893	ng	99
17) 2-Methylphenol	8.666	107	18222	11.816	ng	90
18) Hexachloroethane	9.330	117	7660	11.310	ng	99
19) n-Nitroso-di-n-propyla...	9.024	70	20391	11.499	ng	95
20) 3+4-Methylphenols	8.995	107	24729	11.208	ng	86
22) Acetophenone	9.053	105	26195	8.860	ng	# 91
24) Nitrobenzene	9.441	77	30092	12.325	ng	99
25) Isophorone	9.964	82	54366	12.414	ng	98
26) 2-Nitrophenol	10.164	139	12109	11.701	ng	# 87
27) 2,4-Dimethylphenol	10.211	122	20684	13.500	ng	89
28) bis(2-Chloroethoxy)met...	10.446	93	29836	12.005	ng	99
29) 2,4-Dichlorophenol	10.704	162	20576	11.204	ng	91
30) 1,2,4-Trichlorobenzene	10.922	180	25712	11.990	ng	99
31) Naphthalene	11.115	128	70071	11.949	ng	# 90
32) Benzoic acid	10.334	122	5692	6.325	ng	87
33) 4-Chloroaniline	11.215	127	29300	11.967	ng	94
34) Hexachlorobutadiene	11.403	225	16458	11.364	ng	93
35) Caprolactam	11.961	113	5658	8.454	ng	# 67
36) 4-Chloro-3-methylphenol	12.325	107	24012	11.493	ng	94
37) 2-Methylnaphthalene	12.707	142	53188	12.211	ng	98
38) 1-Methylnaphthalene	12.925	142	51082	12.103	ng	# 97
40) 1,2,4,5-Tetrachloroben...	13.077	216	23798	8.651	ng	98
41) Hexachlorocyclopentadiene	13.054	237	14481	12.468	ng	98
43) 2,4,6-Trichlorophenol	13.307	196	19192	10.667	ng	97

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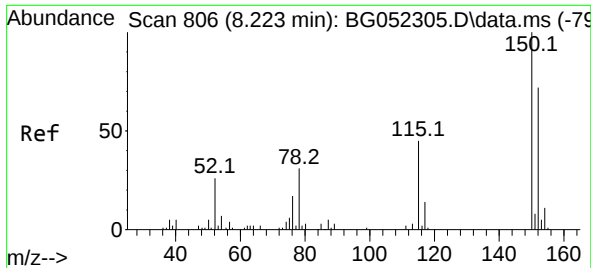
Quant Time: Feb 16 17:32:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 12:53:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.389	196	21498	11.026	ng	95
46) 1,1'-Biphenyl	13.700	154	56262	9.174	ng	98
47) 2-Chloronaphthalene	13.747	162	57401	12.148	ng	95
48) 2-Nitroaniline	13.941	65	18663	11.095	ng	92
49) Acenaphthylene	14.593	152	100171	13.024	ng	98
50) Dimethylphthalate	14.305	163	76720	11.974	ng	99
51) 2,6-Dinitrotoluene	14.429	165	17488	12.649	ng	# 85
52) Acenaphthene	14.934	154	56440	11.205	ng	99
53) 3-Nitroaniline	14.757	138	17567	12.224	ng	96
54) 2,4-Dinitrophenol	14.981	184	4910	6.550	ng	# 78
55) Dibenzofuran	15.263	168	96021	12.121	ng	99
56) 4-Nitrophenol	15.075	139	10808	10.015	ng	87
57) 2,4-Dinitrotoluene	15.216	165	23989	12.191	ng	# 94
58) Fluorene	15.915	166	79518	12.574	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.492	232	19196	10.306	ng	# 97
60) Diethylphthalate	15.662	149	80030	12.365	ng	97
61) 4-Chlorophenyl-phenyle...	15.897	204	42683	11.849	ng	93
62) 4-Nitroaniline	15.921	138	19251	12.725	ng	88
63) Azobenzene	16.191	77	79330	11.973	ng	93
65) 4,6-Dinitro-2-methylph...	15.985	198	11927	9.351	ng	82
66) n-Nitrosodiphenylamine	16.109	169	70991	12.152	ng	96
67) 4-Bromophenyl-phenylether	16.790	248	30100	11.673	ng	93
68) Hexachlorobenzene	16.925	284	33422	11.950	ng	98
69) Atrazine	17.049	200	20425	8.648	ng	94
70) Pentachlorophenol	17.272	266	14792	10.811	ng	# 83
71) Phenanthrene	17.659	178	134144	12.272	ng	97
72) Anthracene	17.748	178	135366	12.638	ng	99
73) Carbazole	18.018	167	126734	12.131	ng	98
74) Di-n-butylphthalate	18.552	149	145572	12.789	ng	99
75) Fluoranthene	19.663	202	179722	12.913	ng	99
77) Benzidine	19.827	184	60259	12.638	ng	97
78) Pyrene	20.021	202	185596	12.430	ng	97
80) Butylbenzylphthalate	20.890	149	59539	11.480	ng	98
81) Benzo(a)anthracene	21.907	228	179183	12.135	ng	99
82) 3,3'-Dichlorobenzidine	21.807	252	46667	9.053	ng	99
83) Chrysene	21.977	228	162611	11.622	ng	98
84) Bis(2-ethylhexyl)phtha...	21.783	149	83396	11.596	ng	97
85) Di-n-octyl phthalate	23.076	149	144132	11.954	ng	95
87) Indeno(1,2,3-cd)pyrene	29.379	276	186258	11.357	ng	# 98
88) Benzo(b)fluoranthene	24.280	252	174193	12.473	ng	98
89) Benzo(k)fluoranthene	24.350	252	173916	12.606	ng	99
90) Benzo(a)pyrene	25.226	252	167160	14.170	ng	97
91) Dibenzo(a,h)anthracene	29.449	278	165349	12.205	ng	# 97
92) Benzo(g,h,i)perylene	30.630	276	161773	12.167	ng	98

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

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BNA_G
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LOQ-SOIL-02-QT4-2021

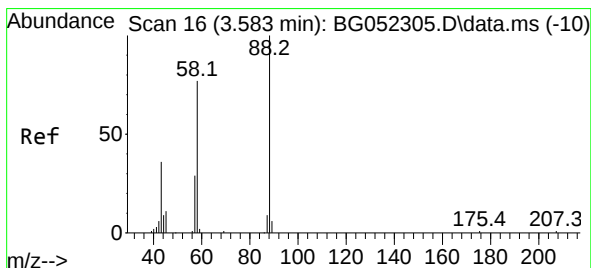
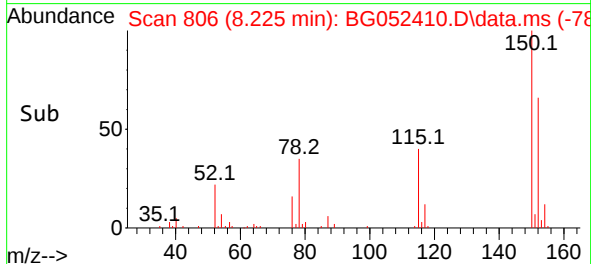
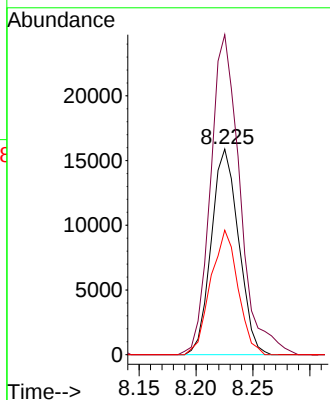
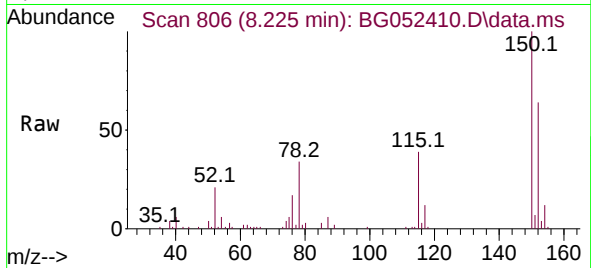
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 80
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

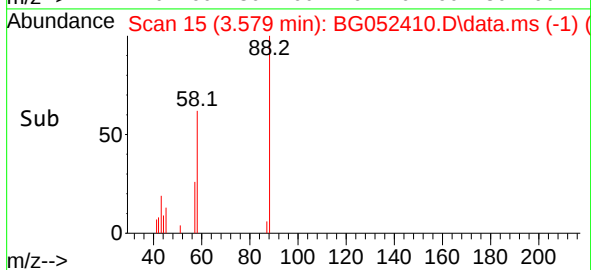
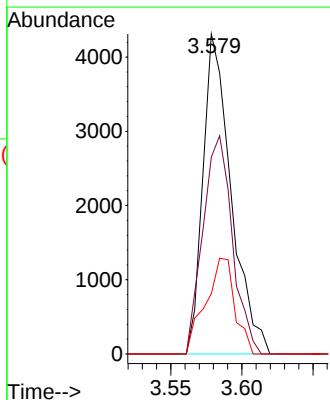
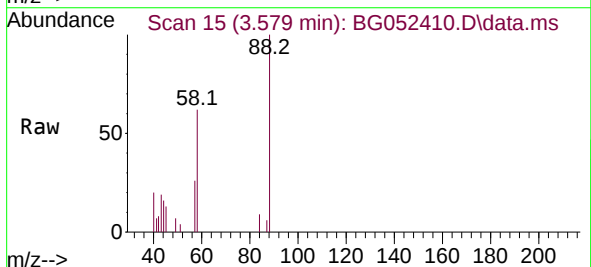
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:152 Resp: 26569
Ion Ratio Lower Upper
152 100
150 155.7 117.8 176.8
115 60.6 50.2 75.2



#2
1,4-Dioxane
Concen: 8.469 ng
RT: 3.579 min Scan# 15
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 88 Resp: 5945
Ion Ratio Lower Upper
88 100
58 71.1 65.8 98.8
43 31.0 31.6 47.4#





#3

Pyridine

Concen: 10.077 ng

RT: 4.001 min Scan# 81

Delta R.T. 0.008 min

Lab File: BG052410.D

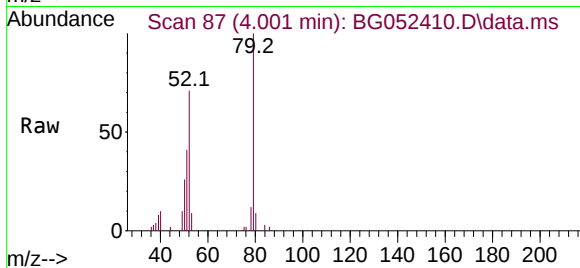
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Instrument :

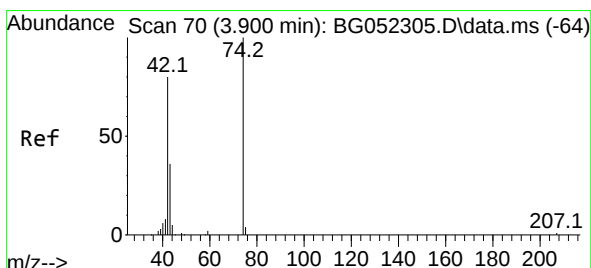
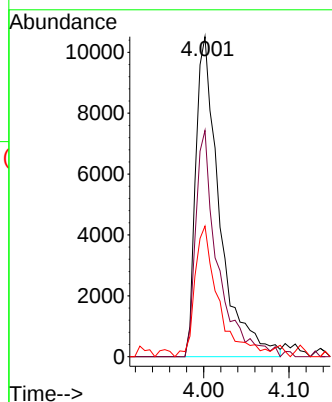
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ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:	79	Resp:	20515
Ion	Ratio	Lower	Upper
79	100		
52	70.7	55.0	82.6
51	40.8	32.5	48.7



#4

n-Nitrosodimethylamine

Concen: 10.384 ng

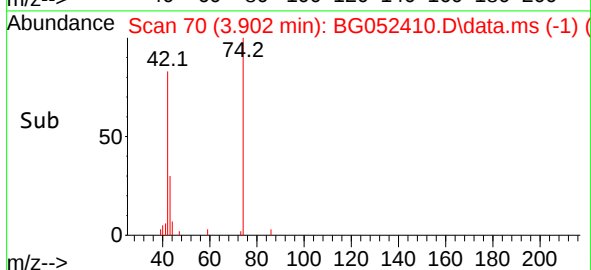
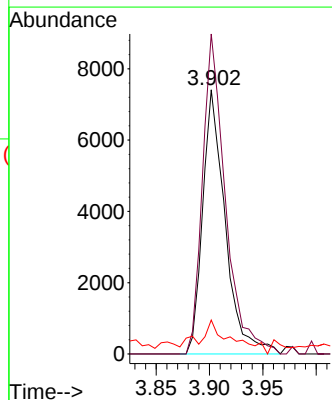
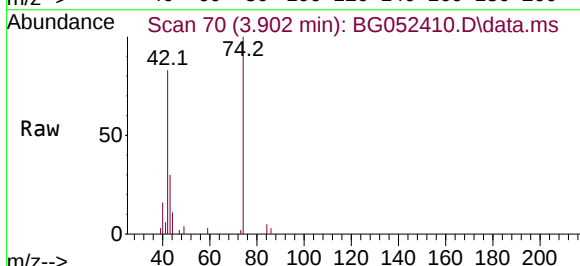
RT: 3.902 min Scan# 70

Delta R.T. 0.002 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Tgt Ion:	42	Resp:	10916
Ion	Ratio	Lower	Upper
42	100		
74	121.1	83.0	124.4
44	12.8	5.0	7.6

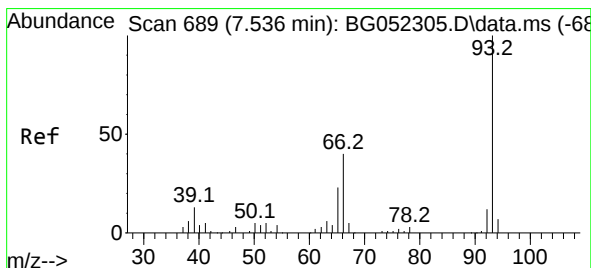
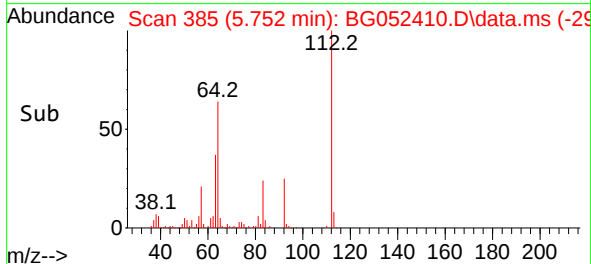
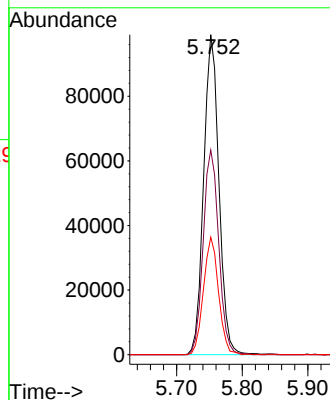
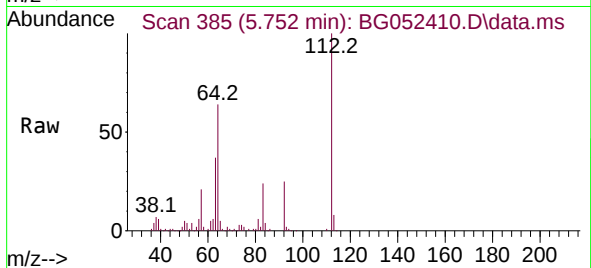




#5
2-Fluorophenol
Concen: 105.520 ng
RT: 5.752 min Scan# 385
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

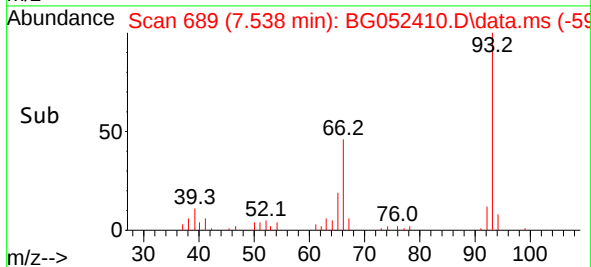
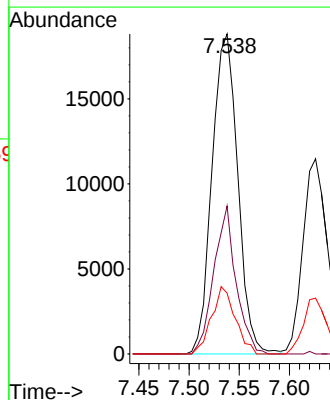
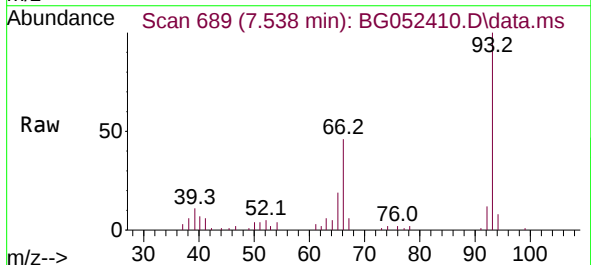
Instrument :
BNA_G
ClientSampleId :
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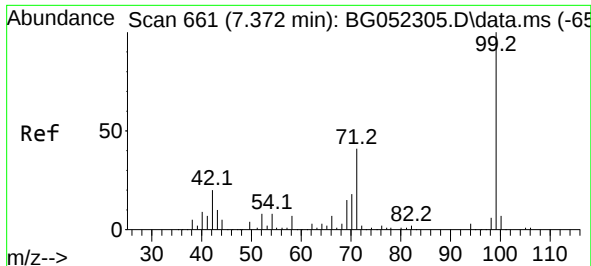
Tgt Ion:	112	Resp:	160860
Ion Ratio	Lower	Upper	
112	100		
64	64.0	60.4	90.6
63	36.7	33.3	49.9



#6
Aniline
Concen: 12.286 ng
RT: 7.538 min Scan# 689
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	93	Resp:	33573
Ion Ratio	Lower	Upper	
93	100		
66	46.3	34.3	51.5
65	19.0	17.6	26.4

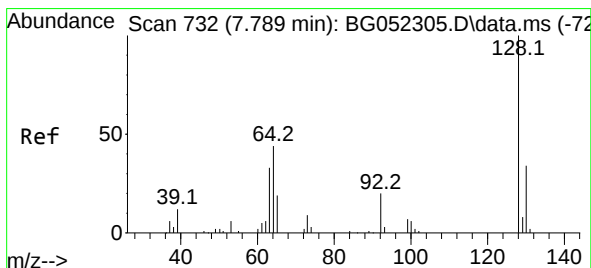
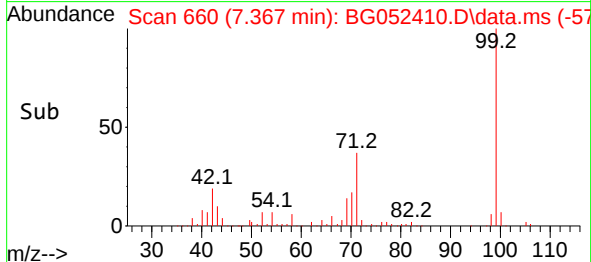
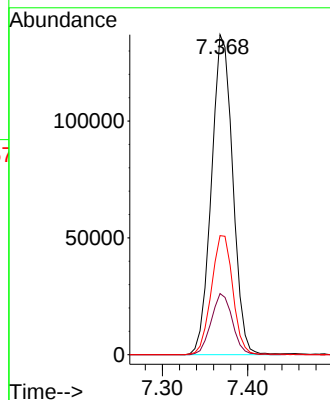
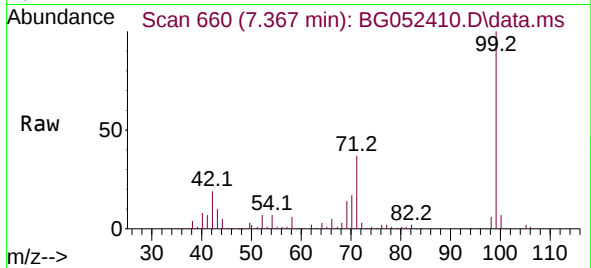




#7
Phenol-d6
Concen: 100.968 ng
RT: 7.367 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

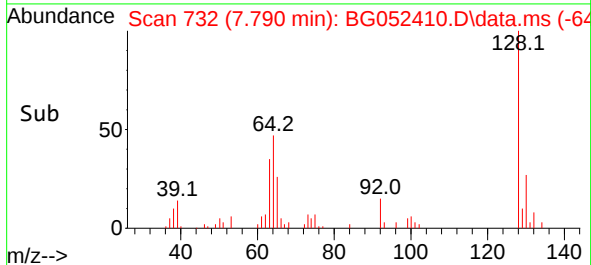
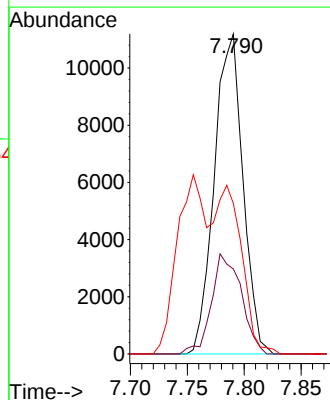
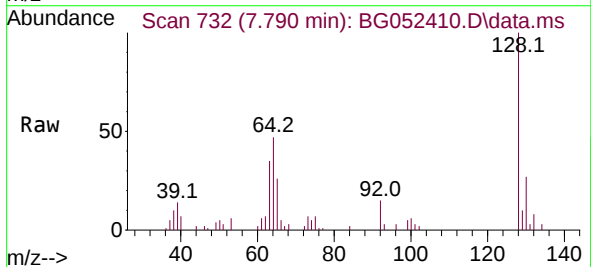
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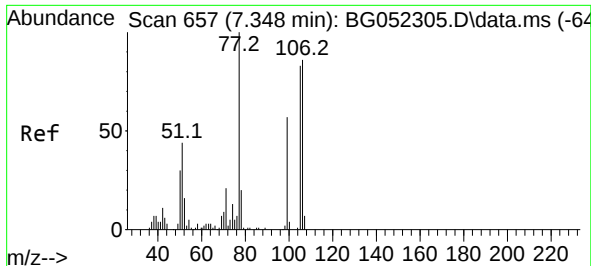
Tgt Ion: 99 Resp: 237490
Ion Ratio Lower Upper
99 100
42 19.1 19.1 28.7#
71 37.2 33.4 50.2



#8
2-Chlorophenol
Concen: 11.677 ng
RT: 7.790 min Scan# 732
Delta R.T. 0.001 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 128 Resp: 19583
Ion Ratio Lower Upper
128 100
130 26.5 13.6 53.6
64 47.0 37.8 77.8

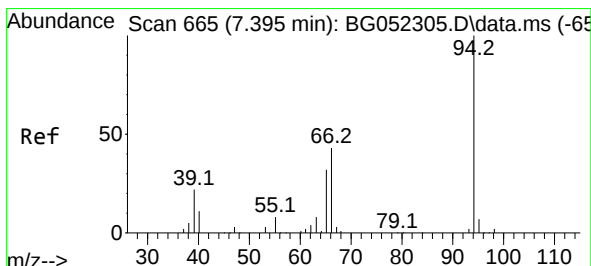
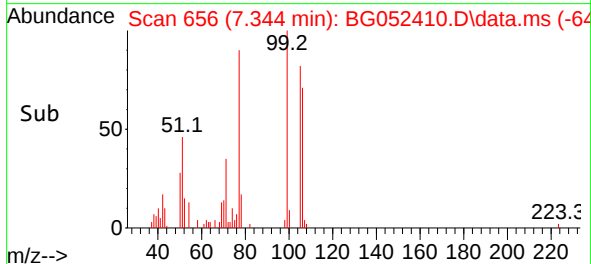
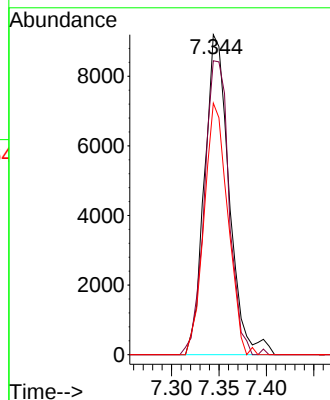
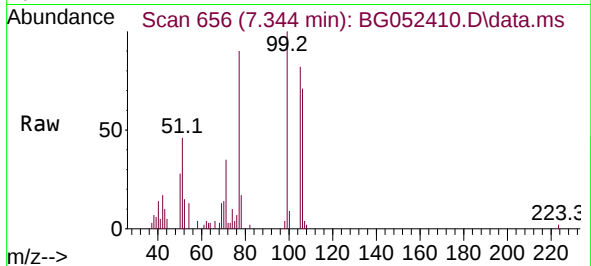




#9
Benzaldehyde
Concen: 11.499 ng
RT: 7.344 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

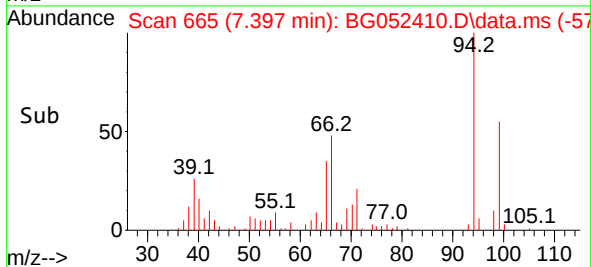
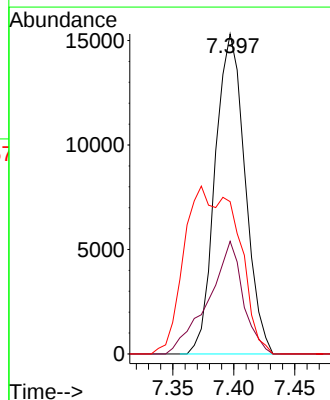
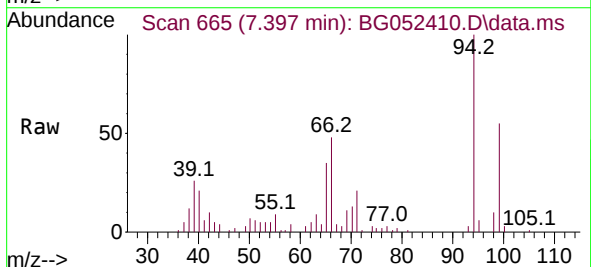
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 16603
Ion Ratio Lower Upper
77 100
105 91.9 66.1 106.1
106 78.6 58.1 98.1



#10
Phenol
Concen: 11.147 ng
RT: 7.397 min Scan# 665
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 94 Resp: 26052
Ion Ratio Lower Upper
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65 35.2 14.1 54.1
66 47.6 26.6 66.6

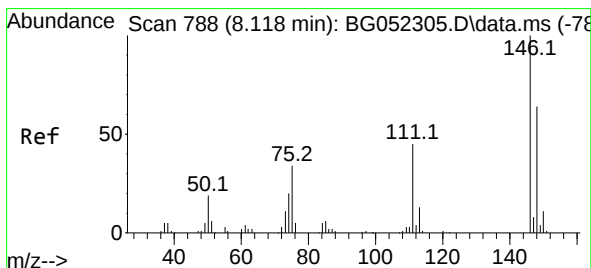
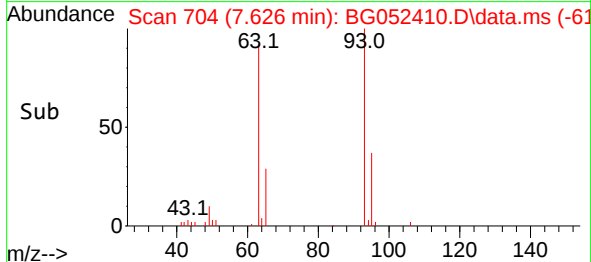
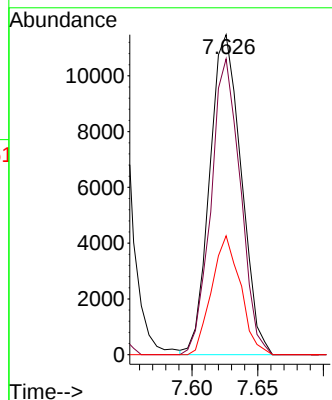
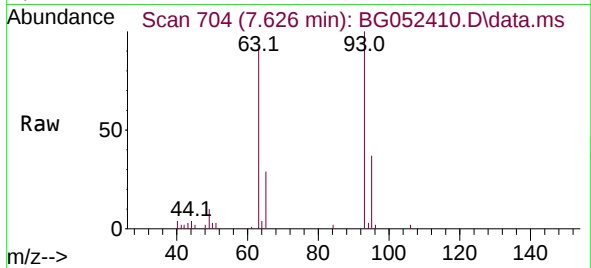




#11
bis(2-Chloroethyl)ether
Concen: 10.743 ng
RT: 7.626 min Scan# 705
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

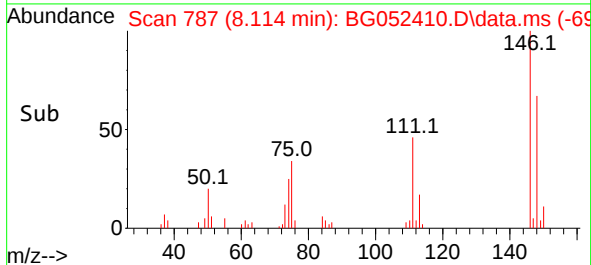
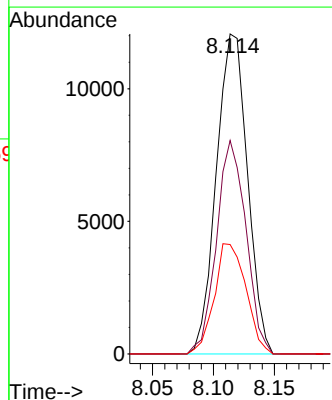
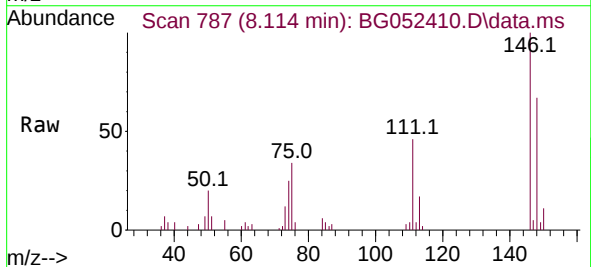
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

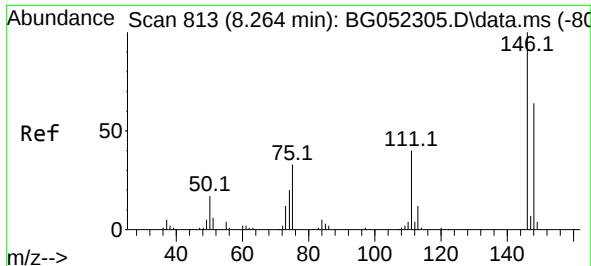
Tgt Ion: 93 Resp: 19191
Ion Ratio Lower Upper
93 100
63 92.4 67.1 107.1
95 37.1 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 11.232 ng
RT: 8.114 min Scan# 787
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:146 Resp: 21462
Ion Ratio Lower Upper
146 100
148 66.7 49.1 73.7
75 34.2 30.9 46.3





#13

1,4-Dichlorobenzene

Concen: 11.264 ng

RT: 8.260 min Scan# 813

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

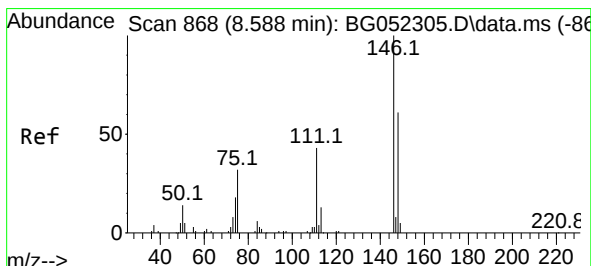
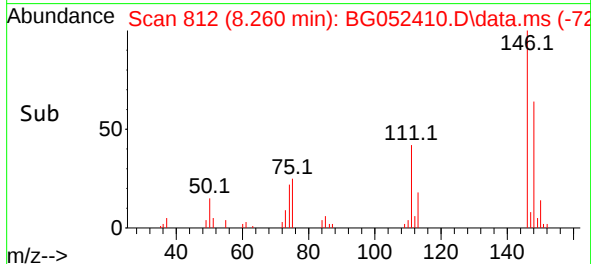
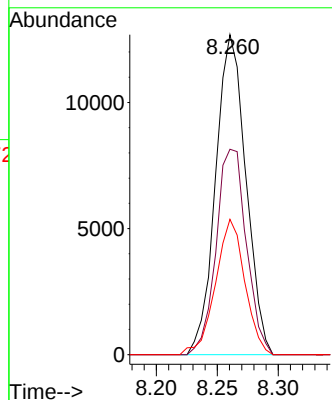
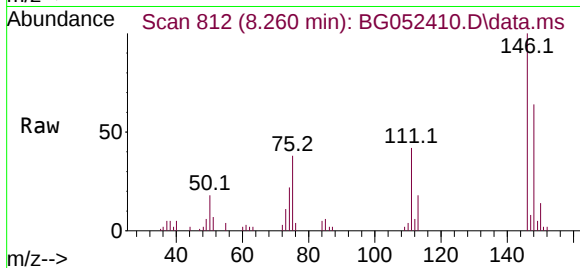
Tgt Ion:146 Resp: 21940

Ion Ratio Lower Upper

146 100

148 64.2 52.6 78.8

111 42.3 33.8 50.8



#14

1,2-Dichlorobenzene

Concen: 11.271 ng

RT: 8.589 min Scan# 868

Delta R.T. 0.002 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

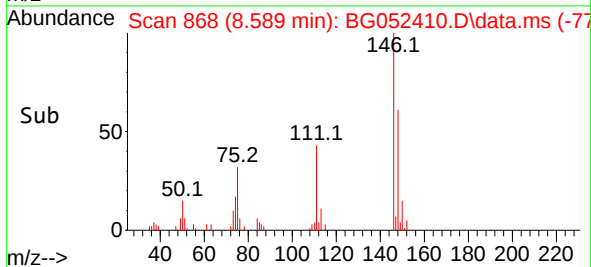
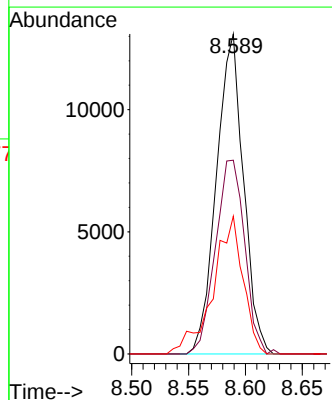
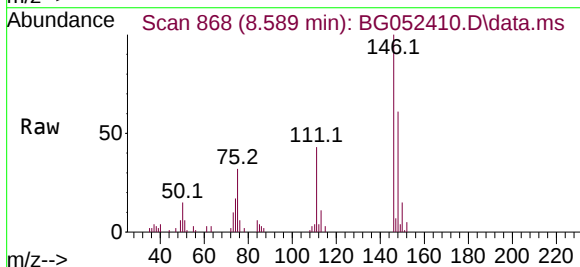
Tgt Ion:146 Resp: 21653

Ion Ratio Lower Upper

146 100

148 60.5 46.5 69.7

111 43.0 37.0 55.4

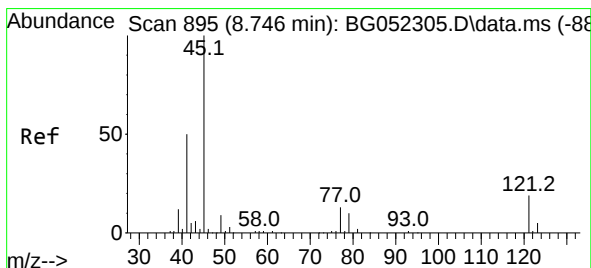
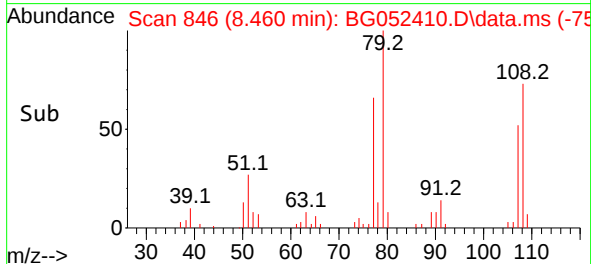
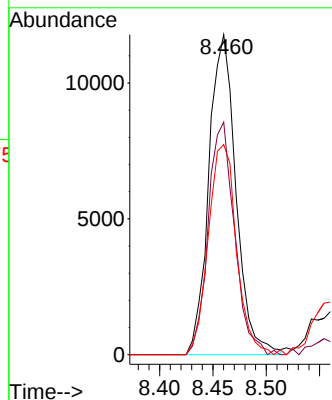
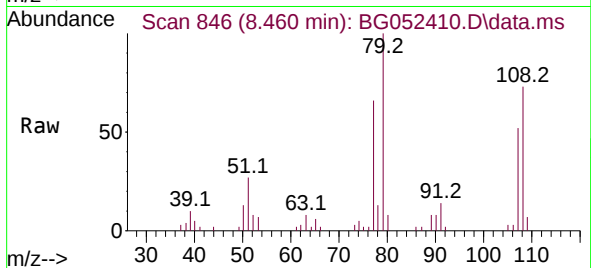




#15
Benzyl Alcohol
Concen: 10.664 ng
RT: 8.460 min Scan# 846
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

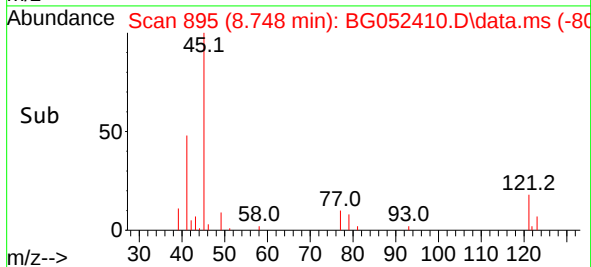
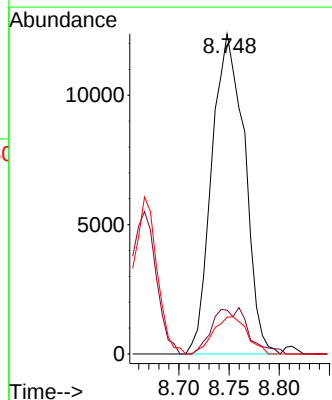
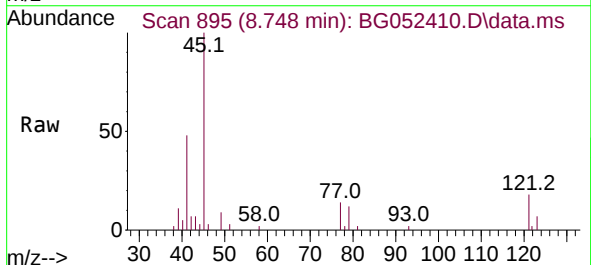
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 79 Resp: 20818
Ion Ratio Lower Upper
79 100
108 72.7 53.8 80.6
77 65.7 54.4 81.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.893 ng
RT: 8.748 min Scan# 895
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 45 Resp: 28098
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.8
79 11.5 0.0 31.1





#17

2-Methylphenol

Concen: 11.816 ng

RT: 8.666 min Scan# 881

Delta R.T. 0.002 min

Lab File: BG052410.D

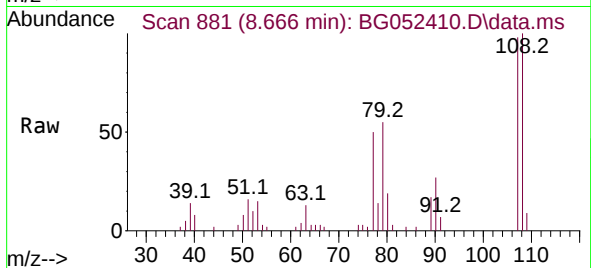
Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:107 Resp: 18222

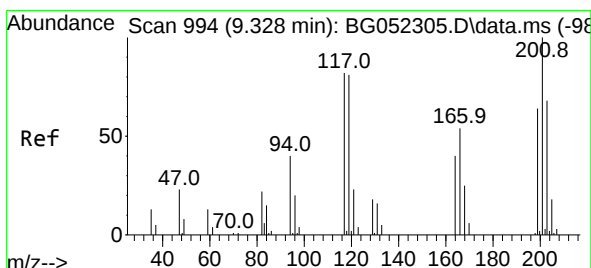
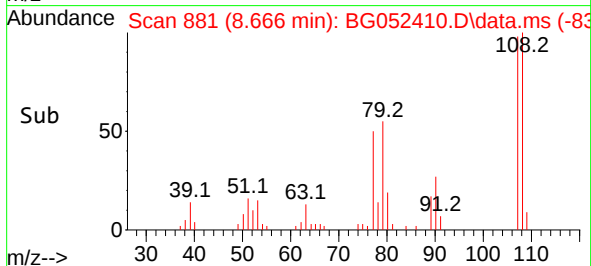
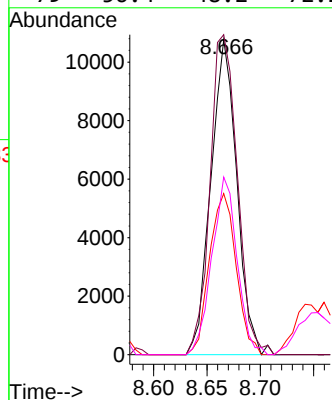
Ion Ratio Lower Upper

107 100

108 101.6 90.3 135.5

77 51.1 49.0 73.6

79 56.4 48.2 72.2



#18

Hexachloroethane

Concen: 11.310 ng

RT: 9.330 min Scan# 994

Delta R.T. 0.002 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

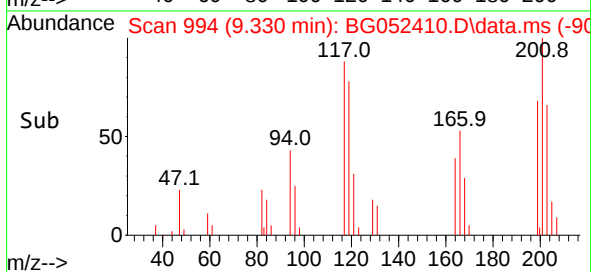
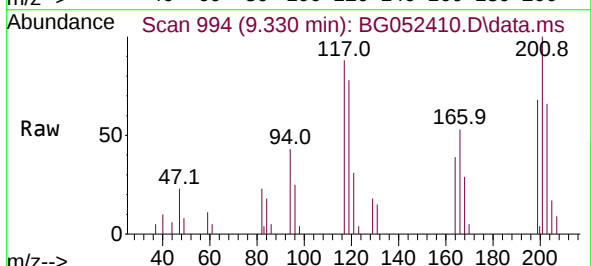
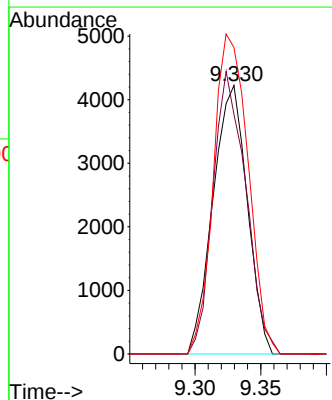
Tgt Ion:117 Resp: 7660

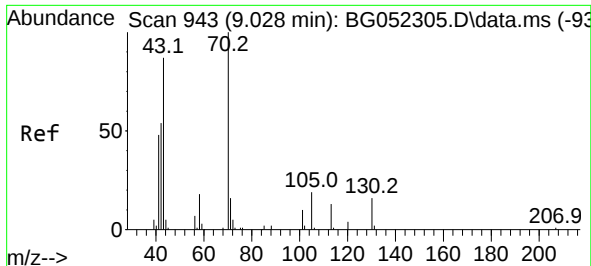
Ion Ratio Lower Upper

117 100

119 89.2 73.5 110.3

201 114.1 91.0 136.6

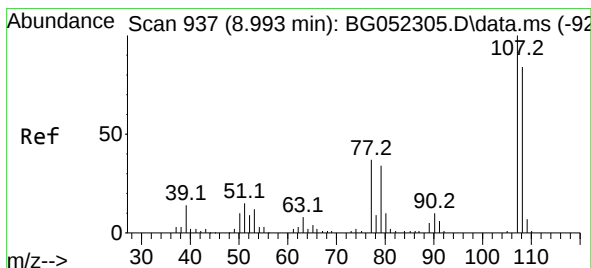
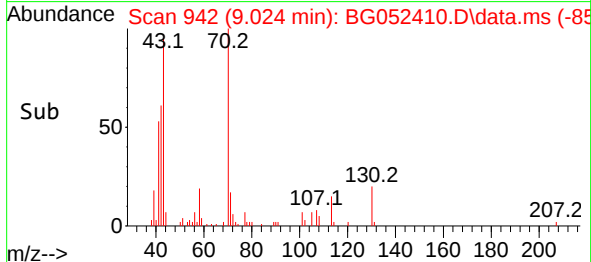
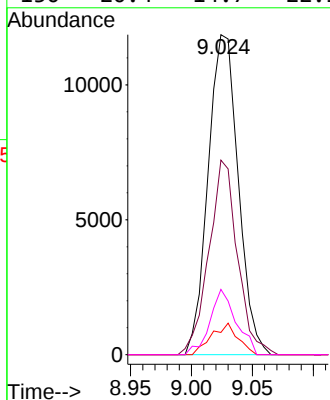
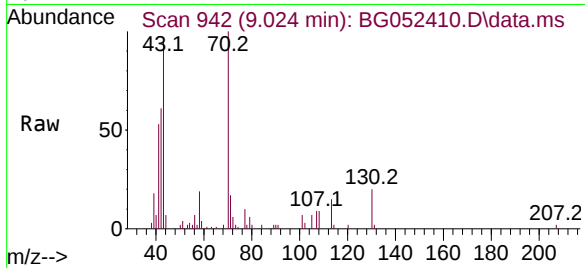




#19
n-Nitroso-di-n-propylamine
Concen: 11.499 ng
RT: 9.024 min Scan# 943
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

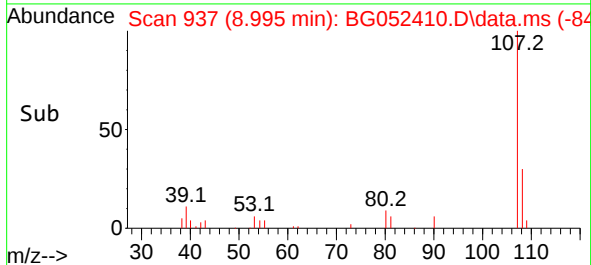
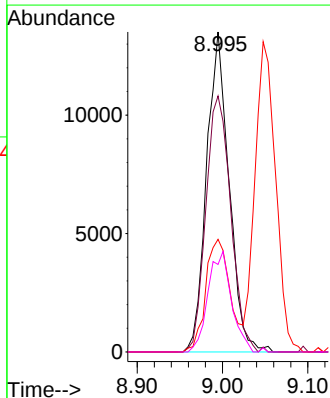
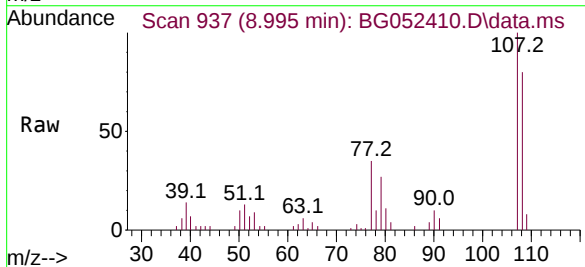
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	70	Resp:	20391
Ion	Ratio	Lower	Upper
70	100		
42	60.8	51.8	77.6
101	7.0	6.6	10.0
130	20.4	14.7	22.1



#20
3+4-Methylphenols
Concen: 11.208 ng
RT: 8.995 min Scan# 937
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	107	Resp:	24729
Ion	Ratio	Lower	Upper
107	100		
108	80.0	71.9	111.9
77	35.2	24.6	64.6
79	27.4	18.2	58.2

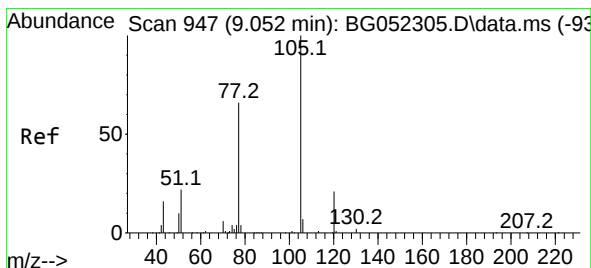
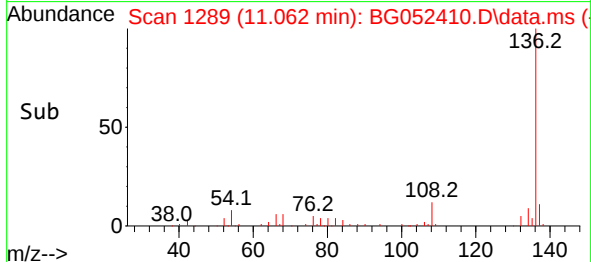
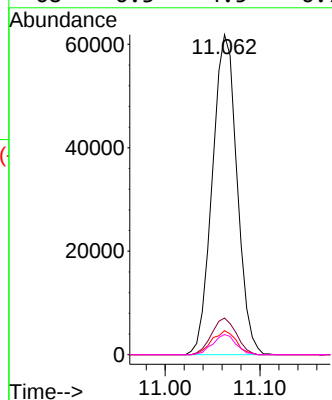
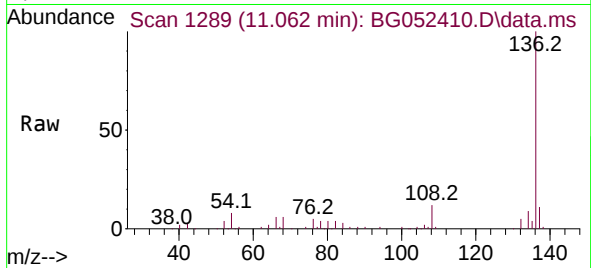




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 111861
Delta R.T. -0.005 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

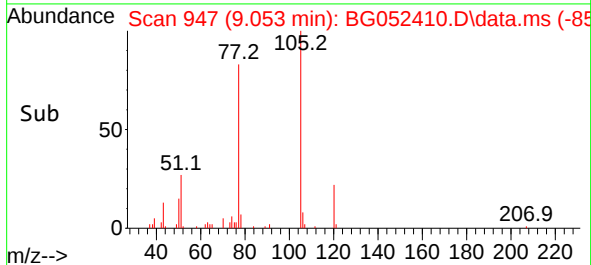
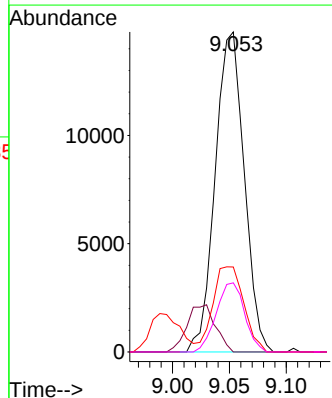
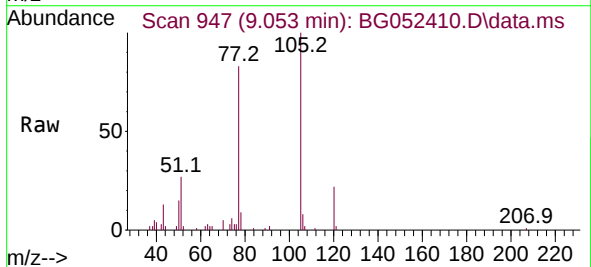
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	136	Resp:	111861
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.5	8.3	12.5
68	6.3	4.5	6.7



#22
Acetophenone
Concen: 8.860 ng
RT: 9.053 min Scan# 947
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	105	Resp:	26195
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.8	2.6
51	26.6	27.0	40.4
120	21.6	16.2	24.4





#23

Nitrobenzene-d5

Concen: 69.277 ng

RT: 9.400 min Scan# 1006

Delta R.T. 0.002 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

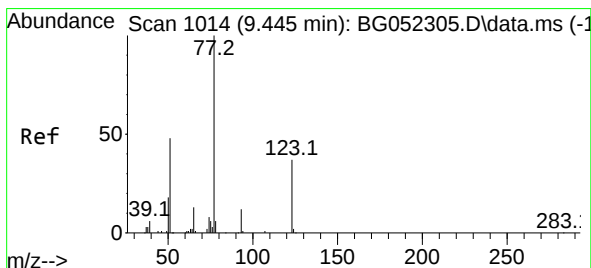
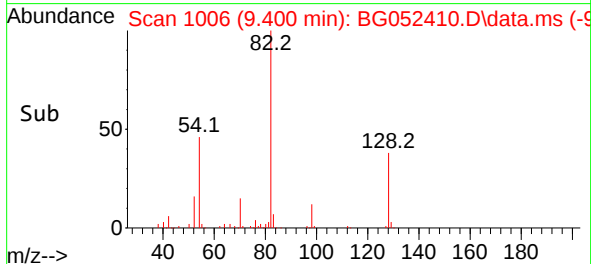
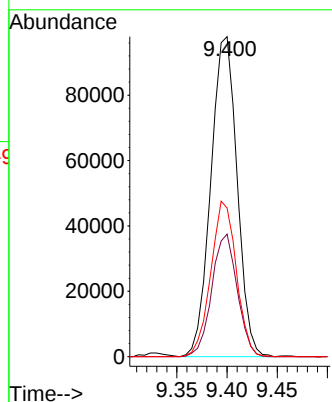
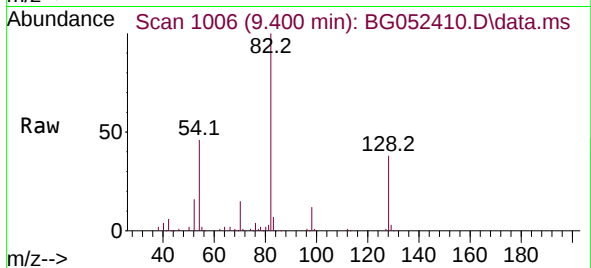
Tgt Ion: 82 Resp: 178306

Ion Ratio Lower Upper

82 100

128 38.3 27.0 40.4

54 46.4 41.0 61.6



#24

Nitrobenzene

Concen: 12.325 ng

RT: 9.441 min Scan# 1013

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

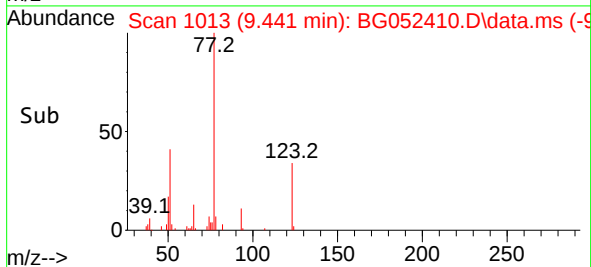
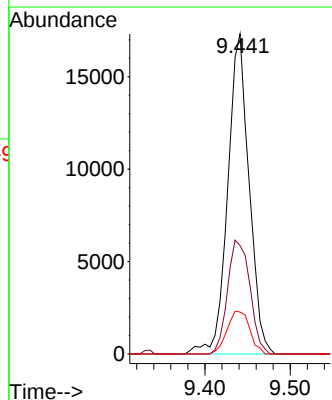
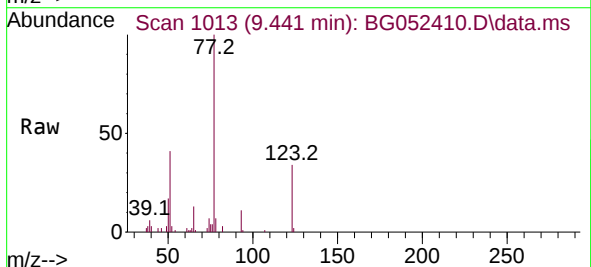
Tgt Ion: 77 Resp: 30092

Ion Ratio Lower Upper

77 100

123 33.9 27.1 40.7

65 13.1 11.2 16.8

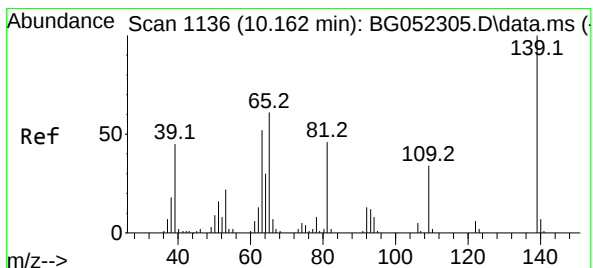
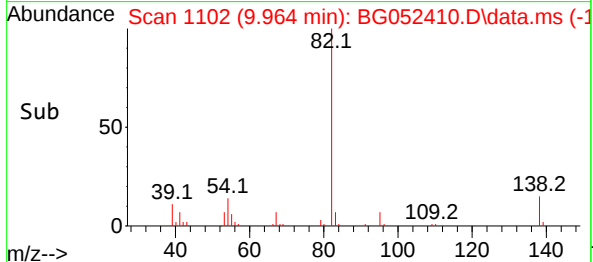
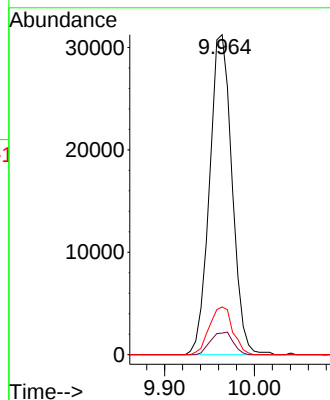
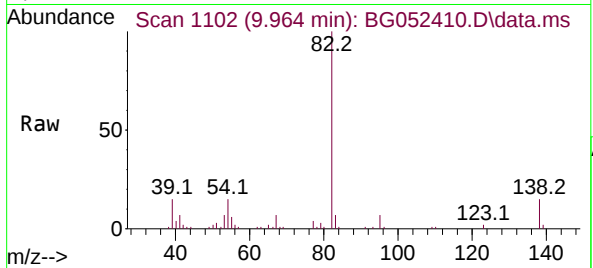




#25
Isophorone
Concen: 12.414 ng
RT: 9.964 min Scan# 1102
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

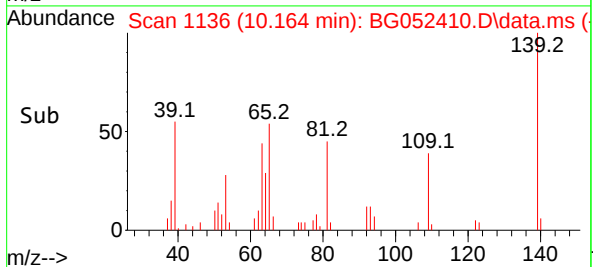
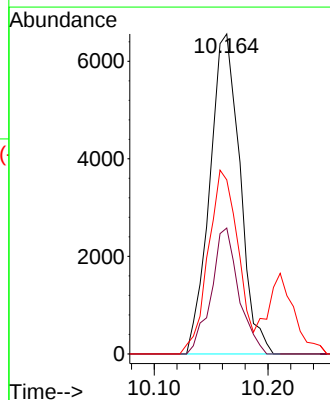
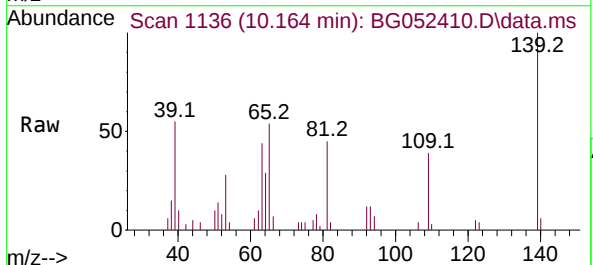
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

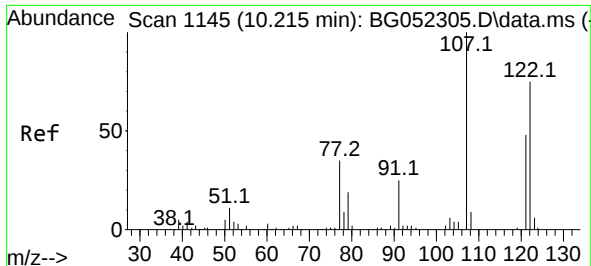
Tgt Ion: 82 Resp: 54366
Ion Ratio Lower Upper
82 100
95 6.8 6.6 9.8
138 14.9 12.5 18.7



#26
2-Nitrophenol
Concen: 11.701 ng
RT: 10.164 min Scan# 1136
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:139 Resp: 12109
Ion Ratio Lower Upper
139 100
109 39.3 30.4 45.6
65 54.4 55.7 83.5#

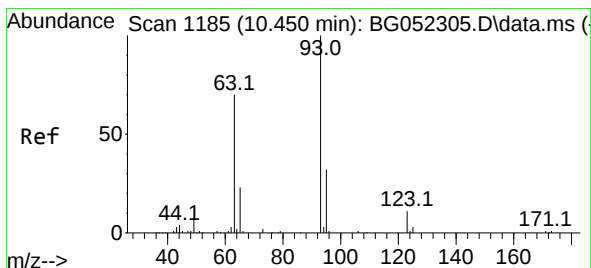
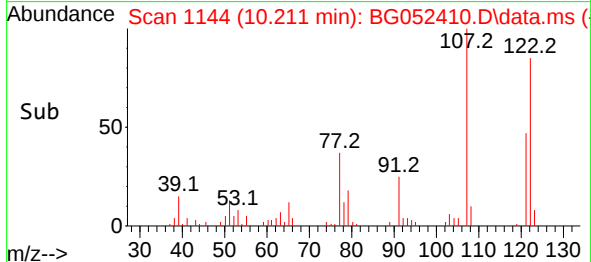
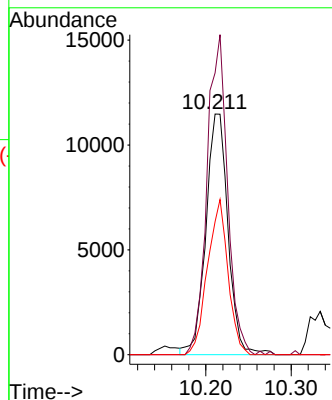
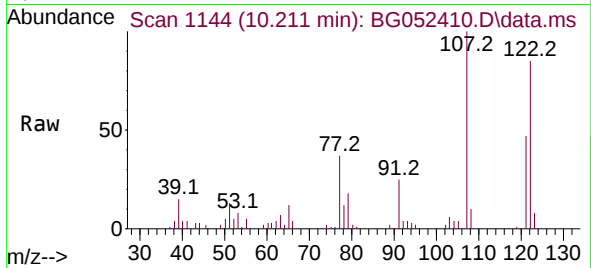




#27
2,4-Dimethylphenol
Concen: 13.500 ng
RT: 10.211 min Scan# 1145
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

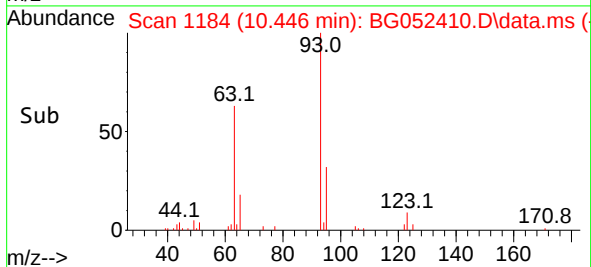
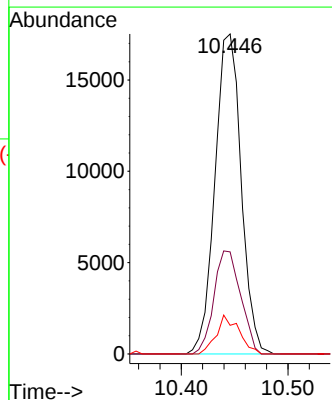
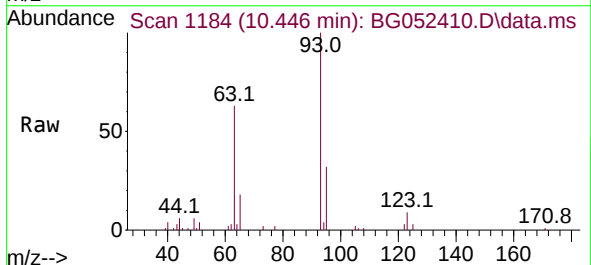
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

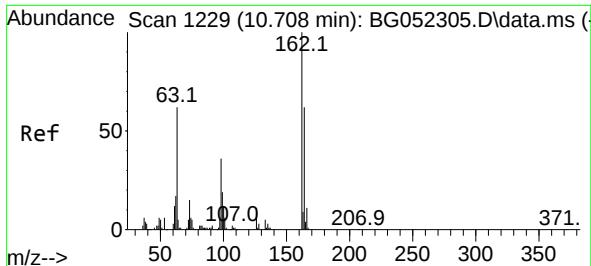
Tgt Ion:122 Resp: 20684
Ion Ratio Lower Upper
122 100
107 117.1 105.8 158.8
121 55.3 48.6 72.8



#28
bis(2-Chloroethoxy)methane
Concen: 12.005 ng
RT: 10.446 min Scan# 1184
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 93 Resp: 29836
Ion Ratio Lower Upper
93 100
95 31.9 26.1 39.1
123 9.0 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 11.204 ng

RT: 10.704 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG052410.D

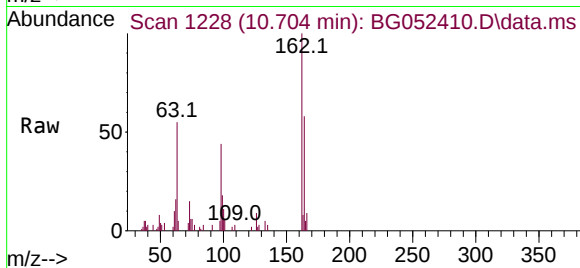
Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



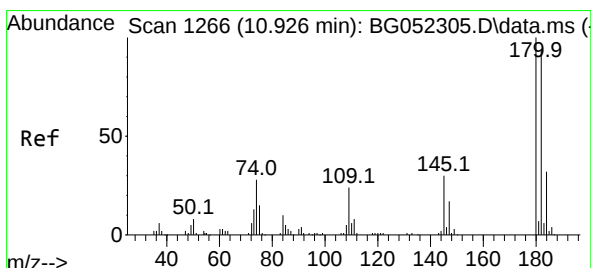
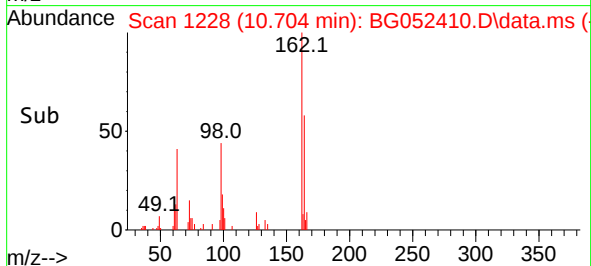
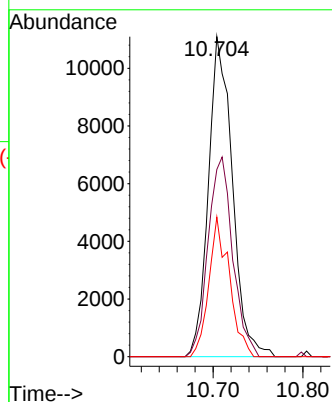
Tgt Ion:162 Resp: 20576

Ion Ratio Lower Upper

162 100

164 58.5 44.3 84.3

98 43.6 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 11.990 ng

RT: 10.922 min Scan# 1265

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

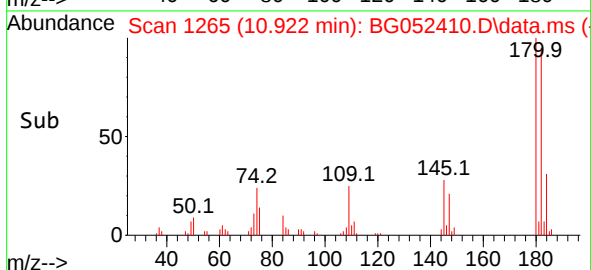
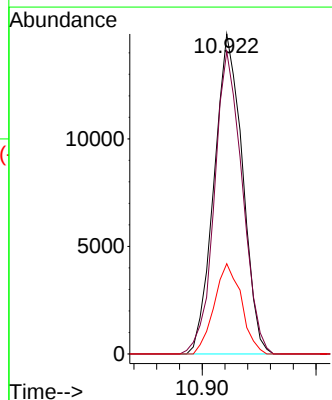
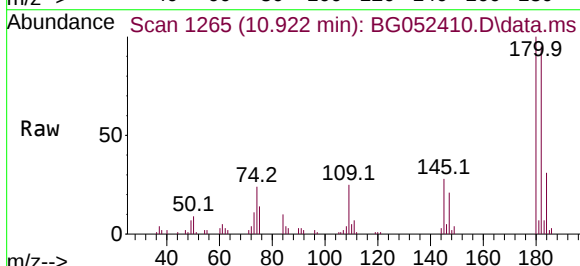
Tgt Ion:180 Resp: 25712

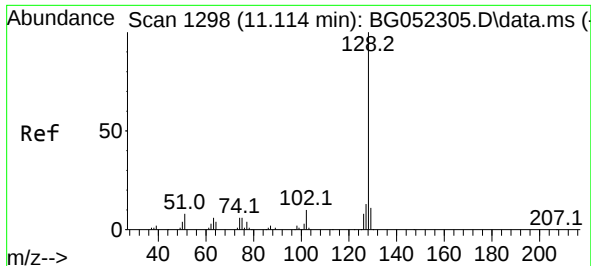
Ion Ratio Lower Upper

180 100

182 94.6 76.1 114.1

145 28.2 24.0 36.0

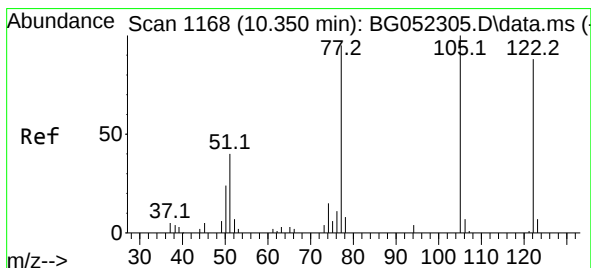
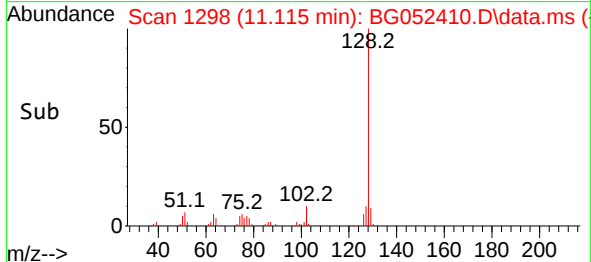
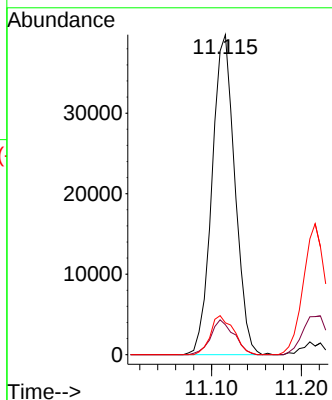
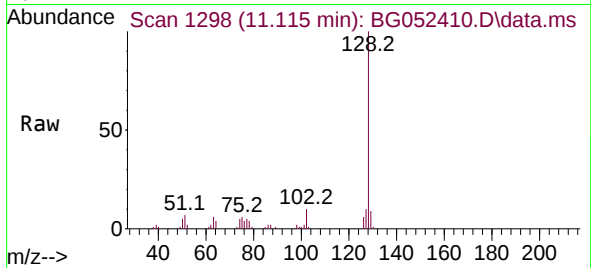




#31
Naphthalene
Concen: 11.949 ng
RT: 11.115 min Scan# 1115
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

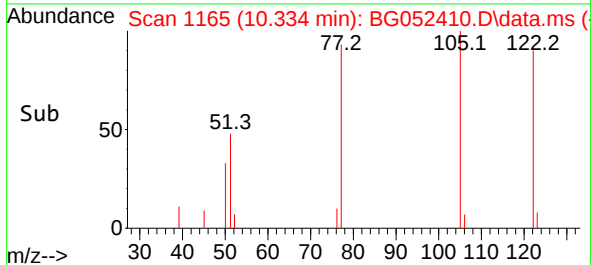
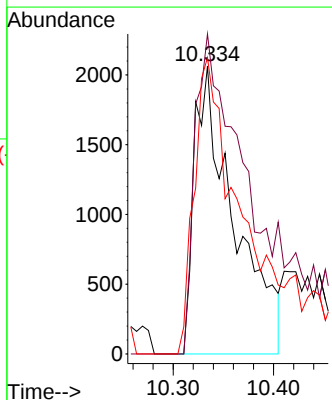
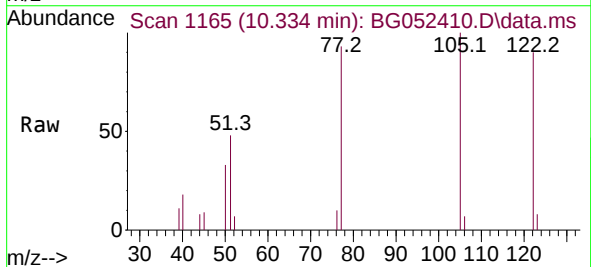
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

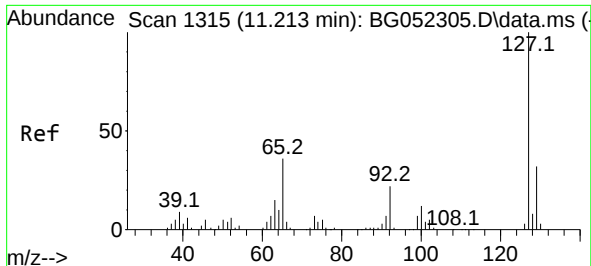
Tgt Ion:128 Resp: 70071
Ion Ratio Lower Upper
128 100
129 9.4 9.8 14.6#
127 10.0 12.0 18.0#



#32
Benzoic acid
Concen: 6.325 ng
RT: 10.334 min Scan# 1165
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:122 Resp: 5692
Ion Ratio Lower Upper
122 100
105 111.1 109.2 149.2
77 102.9 92.8 132.8

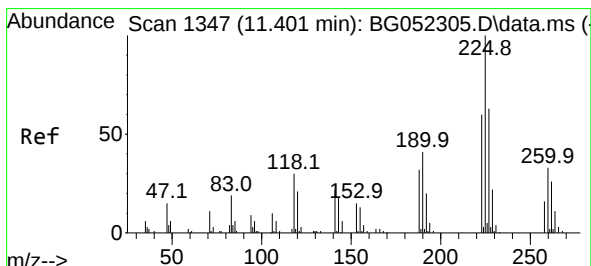
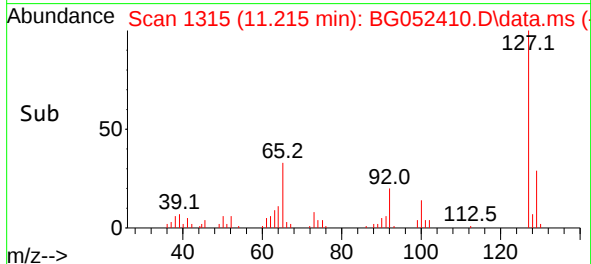
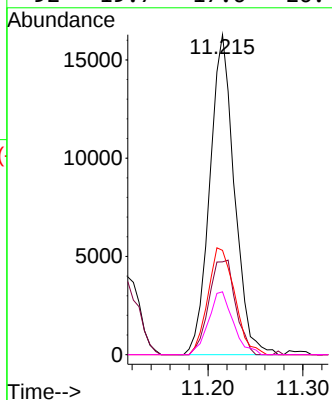
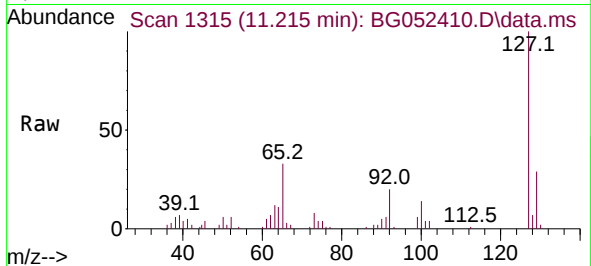




#33
4-Chloroaniline
Concen: 11.967 ng
RT: 11.215 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

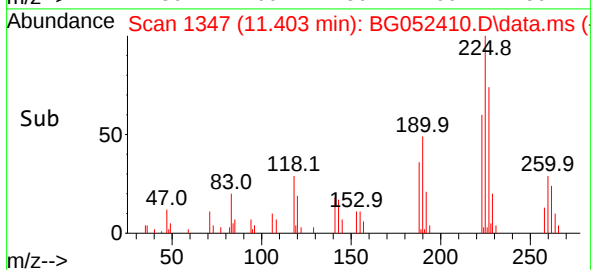
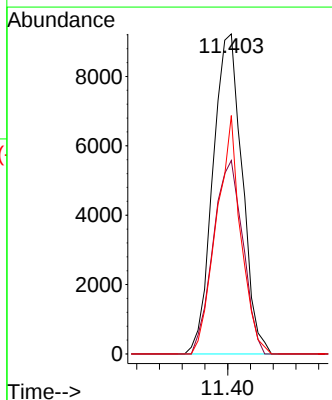
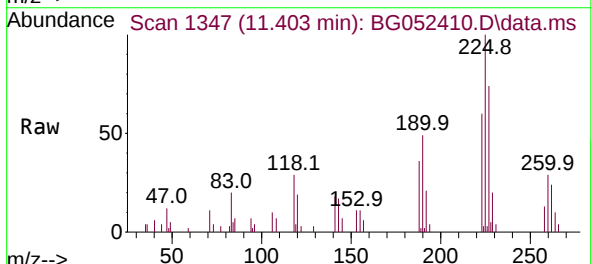
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

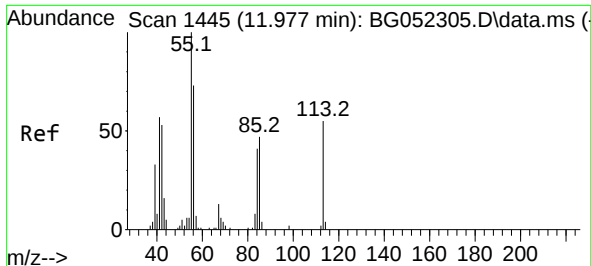
Tgt Ion:	127	Resp:	29300
Ion	Ratio	Lower	Upper
127	100		
129	29.0	27.0	40.6
65	32.6	28.7	43.1
92	19.7	17.6	26.4



#34
Hexachlorobutadiene
Concen: 11.364 ng
RT: 11.403 min Scan# 1347
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	225	Resp:	16458
Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.6	77.4
227	74.5	53.9	80.9

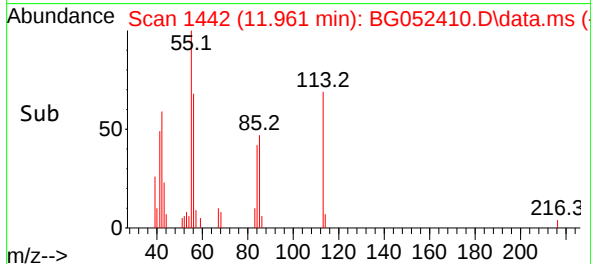
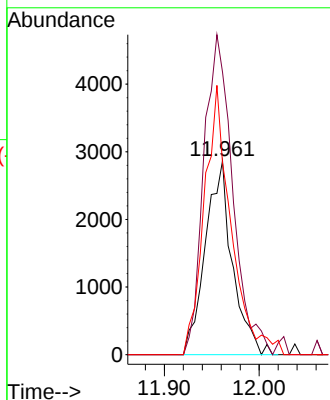
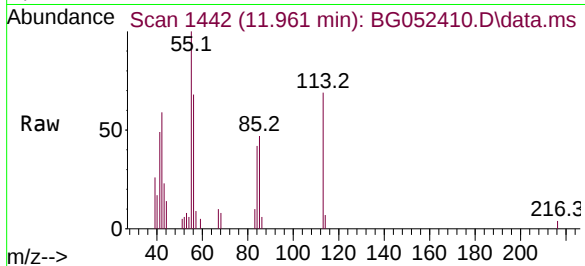




#35
Caprolactam
Concen: 8.454 ng
RT: 11.961 min Scan# 1442
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

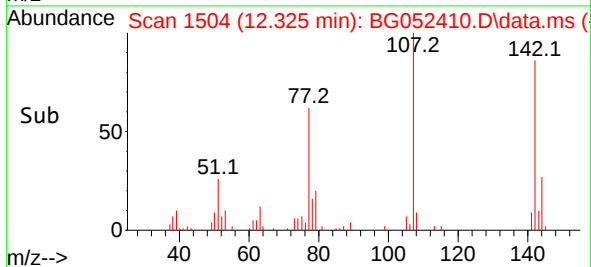
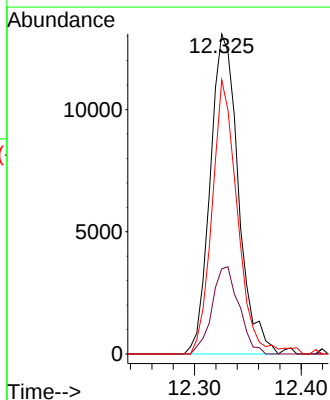
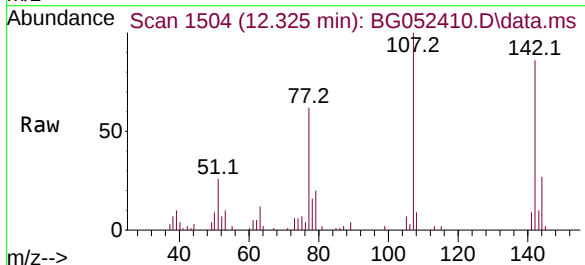
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

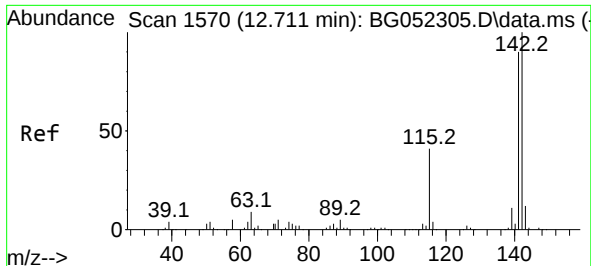
Tgt Ion:113 Resp: 5658
Ion Ratio Lower Upper
113 100
55 145.7 161.4 201.4#
56 98.8 132.6 172.6#



#36
4-Chloro-3-methylphenol
Concen: 11.493 ng
RT: 12.325 min Scan# 1504
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:107 Resp: 24012
Ion Ratio Lower Upper
107 100
144 26.6 19.3 28.9
142 85.6 63.9 95.9

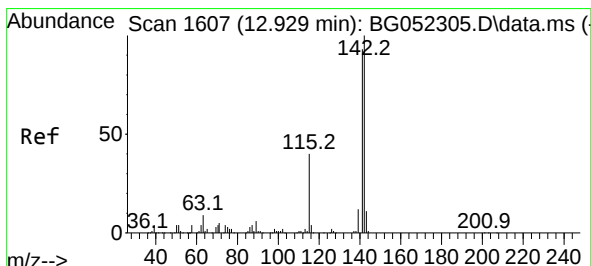
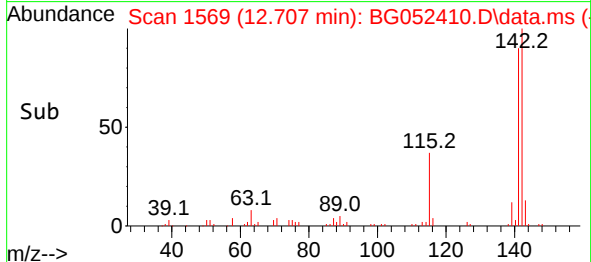
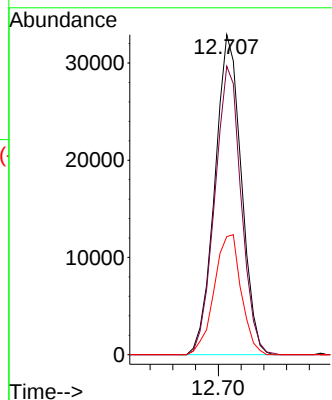
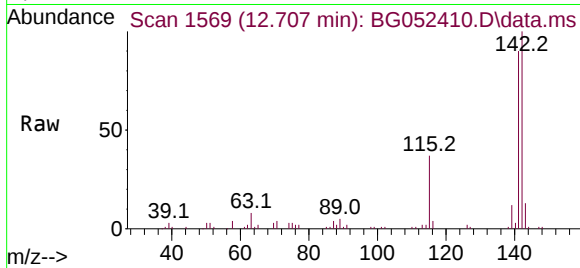




#37
2-Methylnaphthalene
Concen: 12.211 ng
RT: 12.707 min Scan# 1569
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

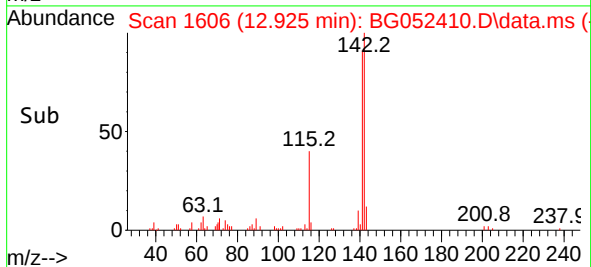
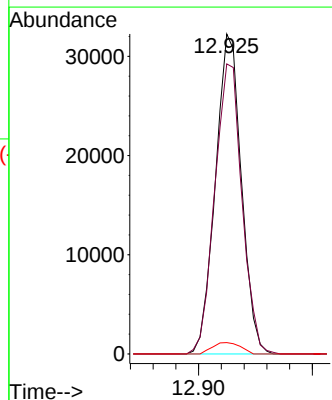
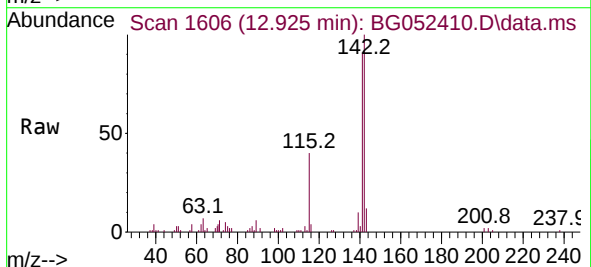
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:142 Resp: 53188
Ion Ratio Lower Upper
142 100
141 90.1 71.7 107.5
115 36.9 32.2 48.4



#38
1-Methylnaphthalene
Concen: 12.103 ng
RT: 12.925 min Scan# 1606
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:142 Resp: 51082
Ion Ratio Lower Upper
142 100
141 90.6 75.0 112.4
116 3.5 4.2 6.4#

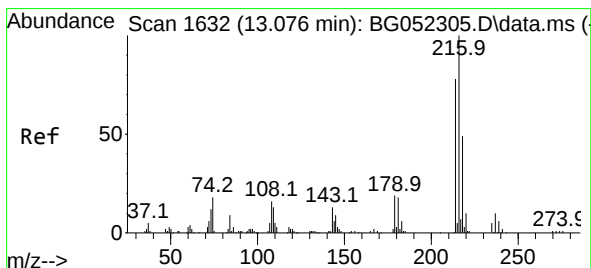
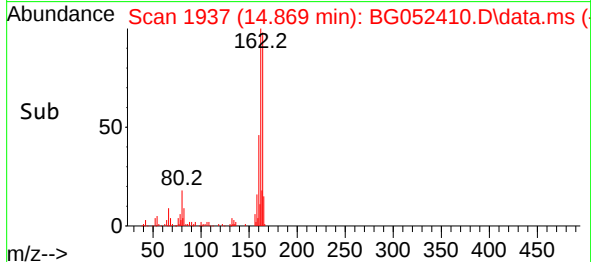
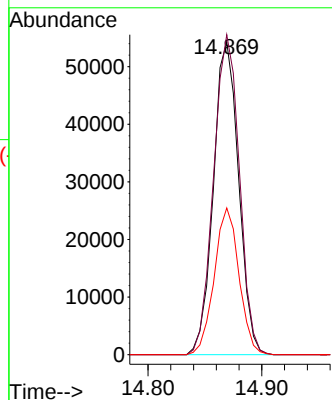
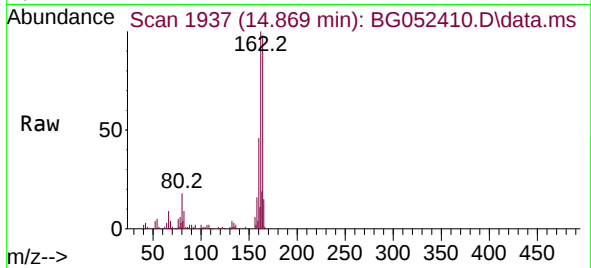




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

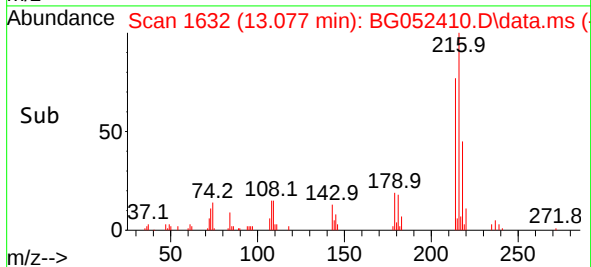
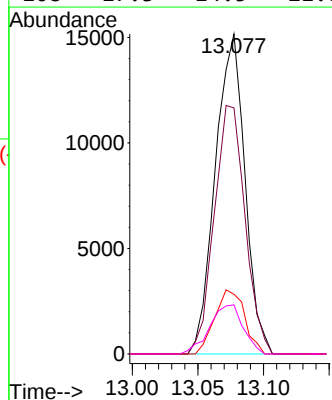
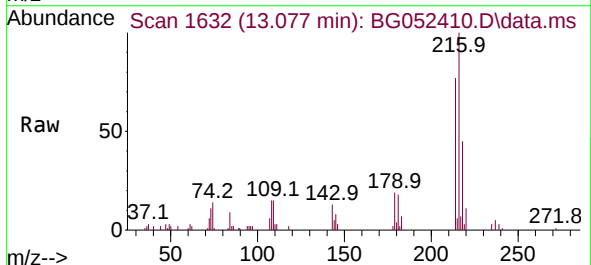
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

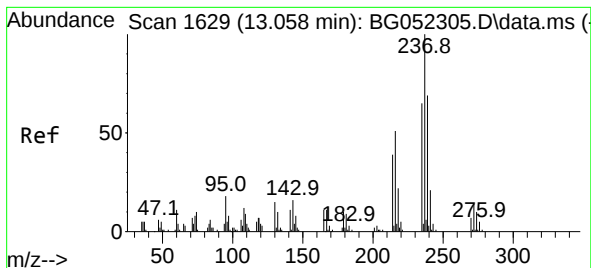
Tgt Ion:164 Resp: 83636
Ion Ratio Lower Upper
164 100
162 102.4 82.2 123.2
160 46.9 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.651 ng
RT: 13.077 min Scan# 1632
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:216 Resp: 23798
Ion Ratio Lower Upper
216 100
214 80.7 63.2 94.8
179 20.1 16.3 24.5
108 17.3 14.5 21.7

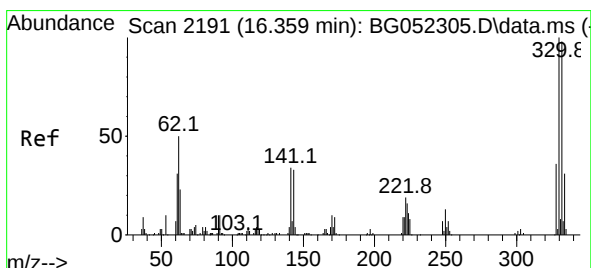
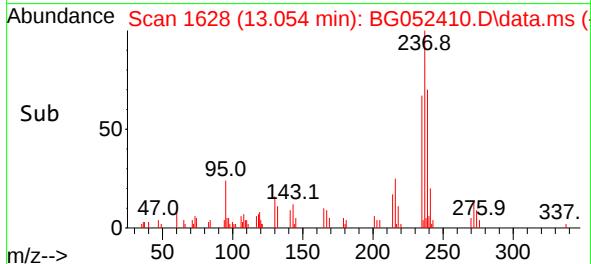
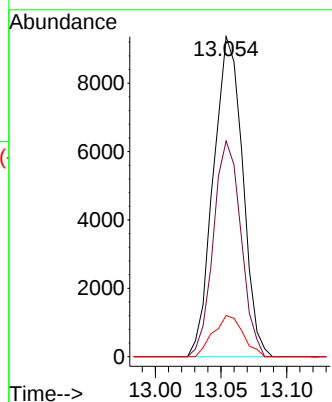
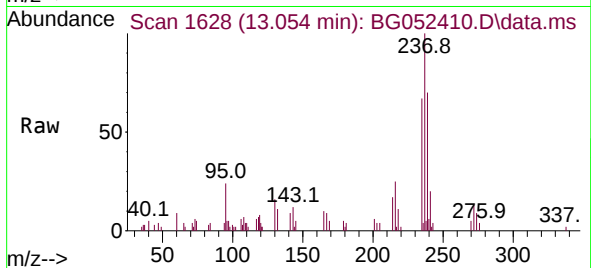




#41
Hexachlorocyclopentadiene
Concen: 12.468 ng
RT: 13.054 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

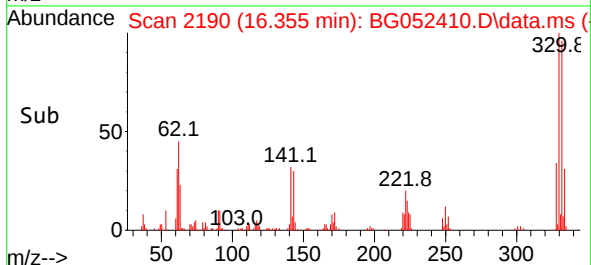
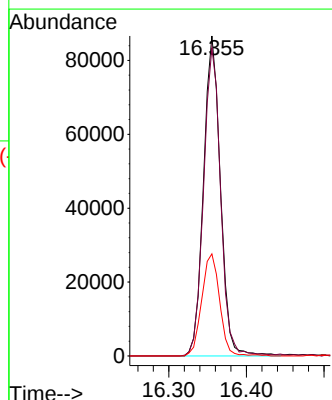
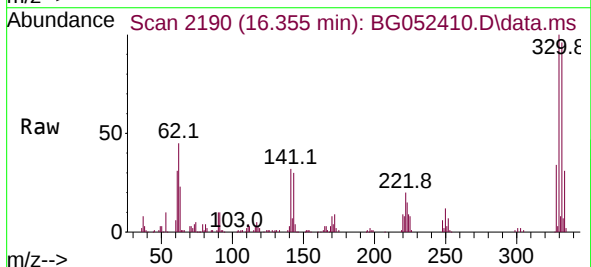
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	237	Resp:	14481
Ion	Ratio	Lower	Upper
237	100		
235	67.4	45.9	85.9
272	12.8	0.0	33.0



#42
2,4,6-Tribromophenol
Concen: 109.384 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	330	Resp:	131432
Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.6	117.8
141	33.7	28.8	43.2

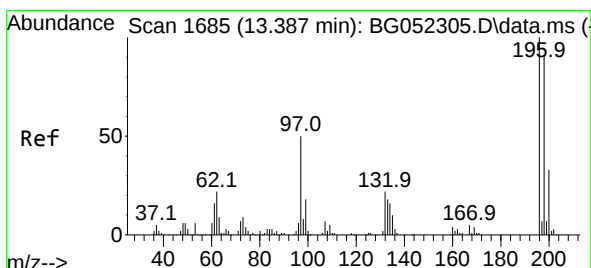
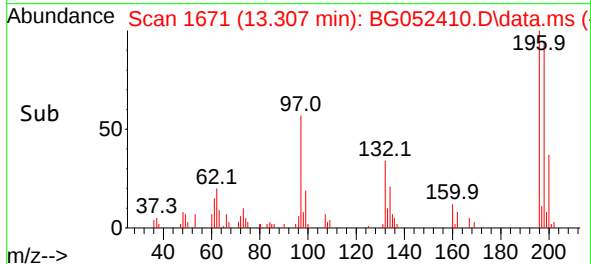
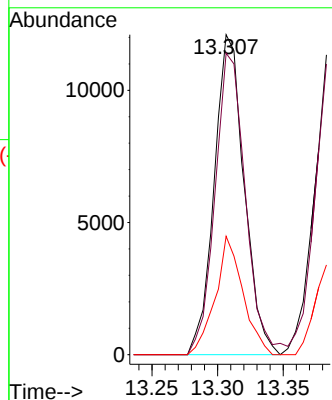
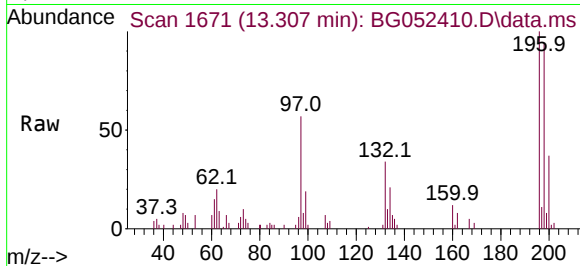




#43
2,4,6-Trichlorophenol
Concen: 10.667 ng
RT: 13.307 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

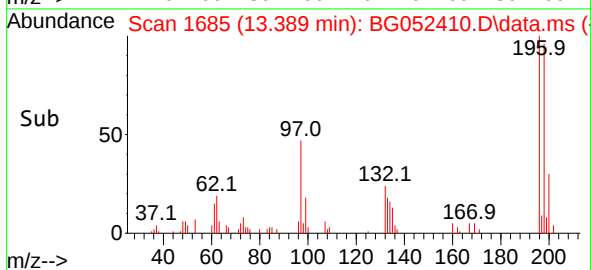
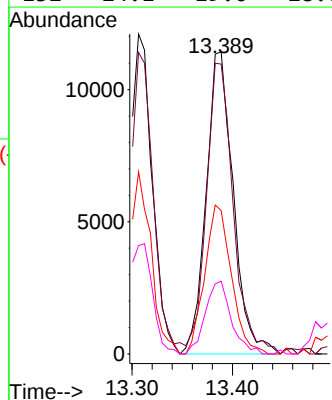
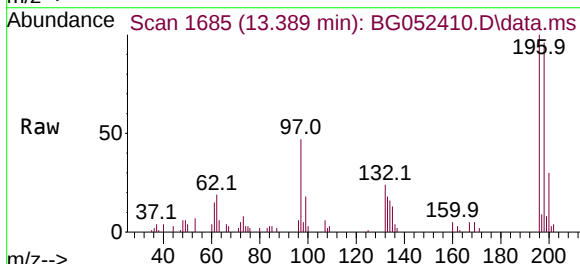
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:196 Resp: 19192
Ion Ratio Lower Upper
196 100
198 94.2 78.4 117.6
200 37.0 28.5 42.7



#44
2,4,5-Trichlorophenol
Concen: 11.026 ng
RT: 13.389 min Scan# 1685
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:196 Resp: 21498
Ion Ratio Lower Upper
196 100
198 95.9 78.6 118.0
97 47.4 43.8 65.8
132 24.1 19.0 28.6

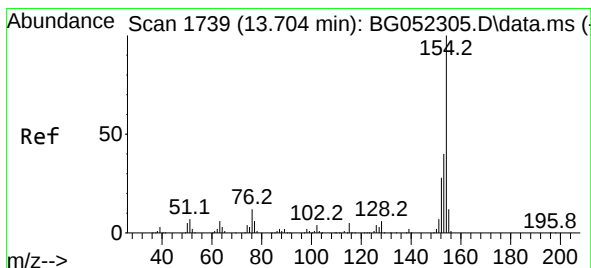
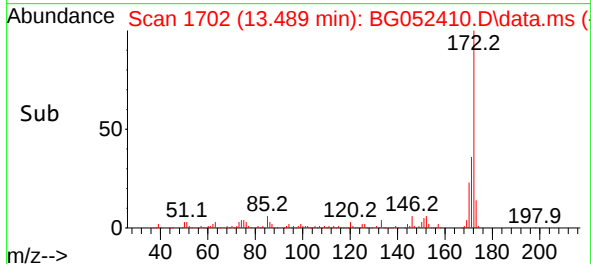
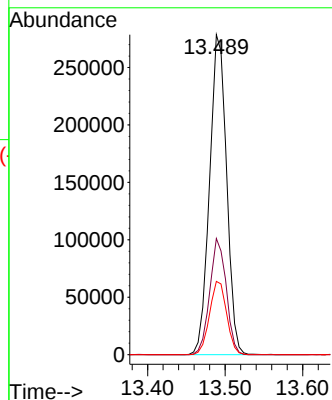
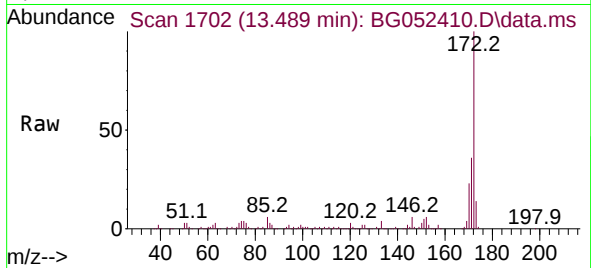




#45
2-Fluorobiphenyl
Concen: 70.733 ng
RT: 13.489 min Scan# 1702
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

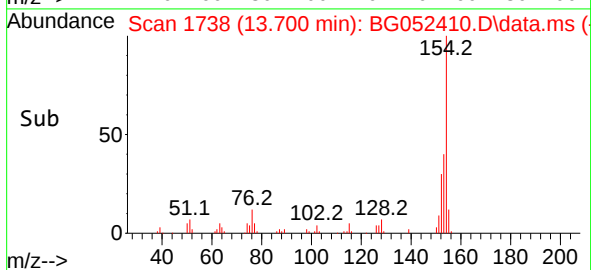
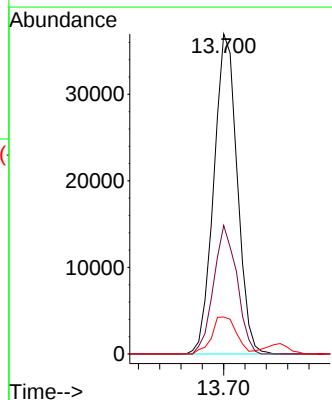
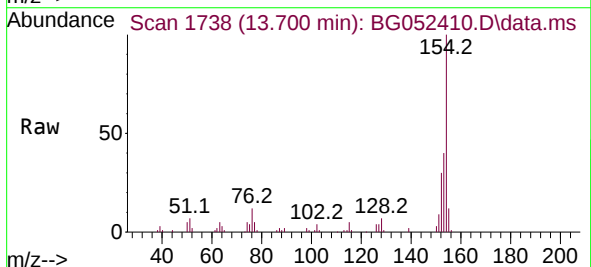
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

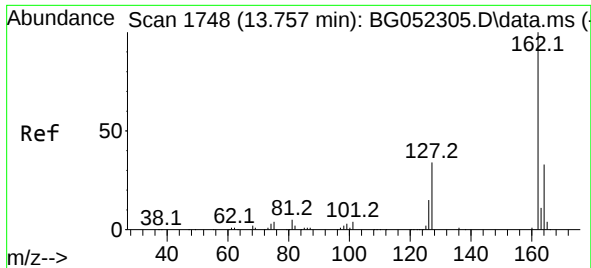
Tgt Ion:172 Resp: 425745
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 22.9 18.3 27.5



#46
1,1'-Biphenyl
Concen: 9.174 ng
RT: 13.700 min Scan# 1738
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:154 Resp: 56262
Ion Ratio Lower Upper
154 100
153 40.2 21.1 61.1
76 11.6 0.0 32.6

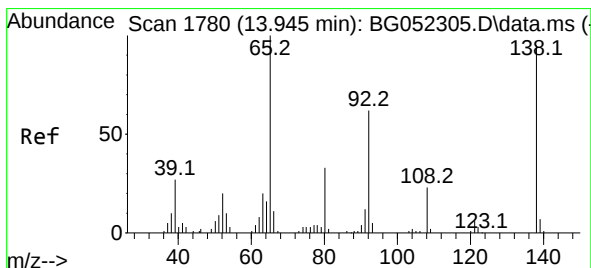
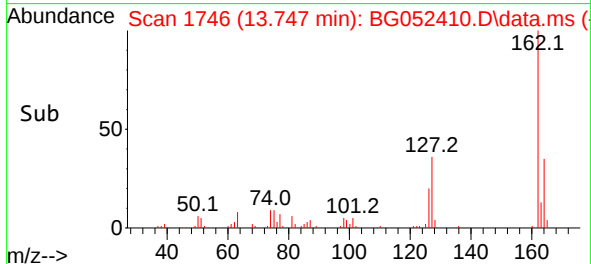
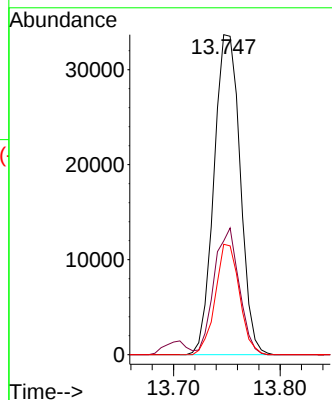
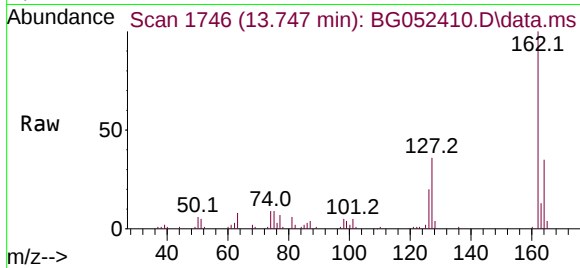




#47
2-Chloronaphthalene
Concen: 12.148 ng
RT: 13.747 min Scan# 1747
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

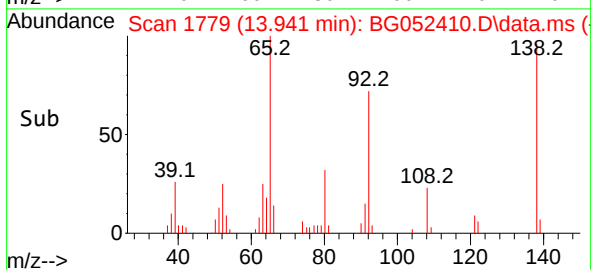
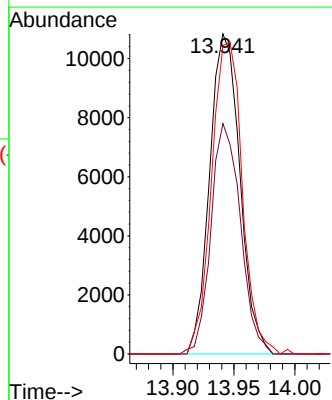
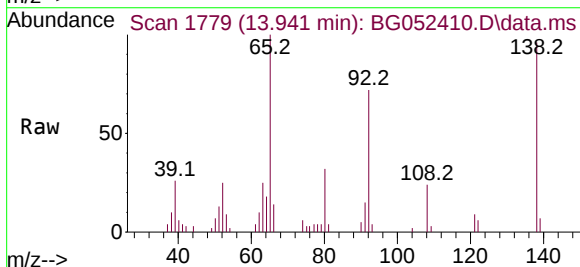
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

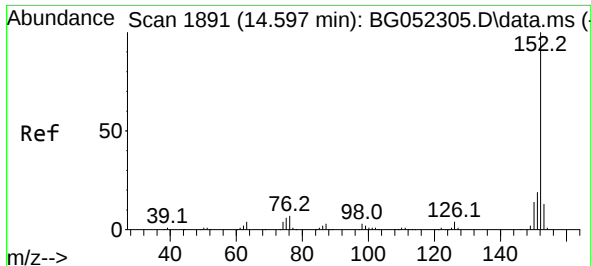
Tgt Ion:	162	Resp:	57401
Ion Ratio	Lower	Upper	
162	100		
127	35.6	30.4	45.6
164	34.5	25.0	37.4



#48
2-Nitroaniline
Concen: 11.095 ng
RT: 13.941 min Scan# 1779
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	65	Resp:	18663
Ion Ratio	Lower	Upper	
65	100		
92	72.0	51.0	76.6
138	96.3	72.4	108.6

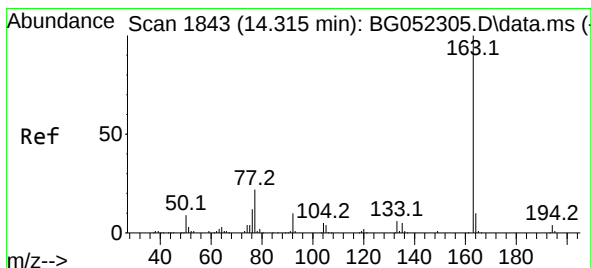
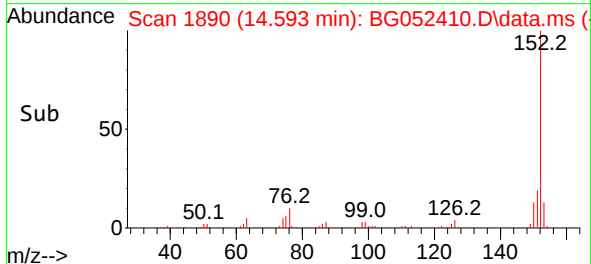
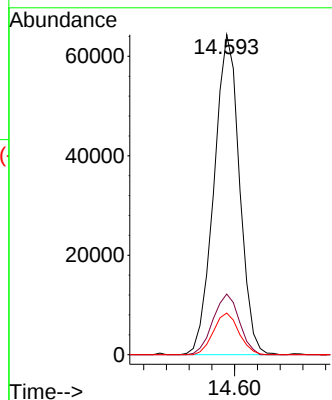
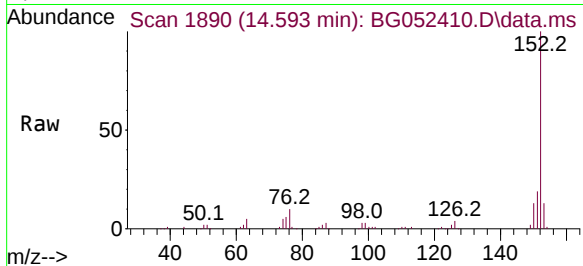




#49
Acenaphthylene
Concen: 13.024 ng
RT: 14.593 min Scan# 1890
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

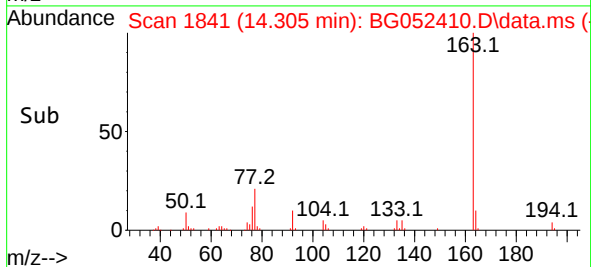
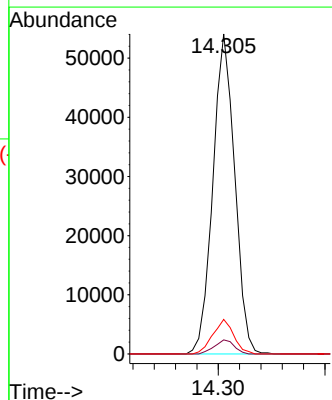
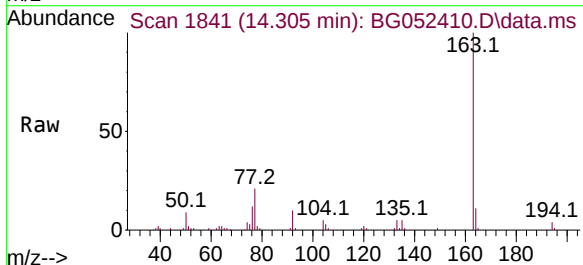
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:152 Resp: 100171
Ion Ratio Lower Upper
152 100
151 19.0 16.1 24.1
153 13.0 10.8 16.2



#50
Dimethylphthalate
Concen: 11.974 ng
RT: 14.305 min Scan# 1841
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:163 Resp: 76720
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.8 8.4 12.6

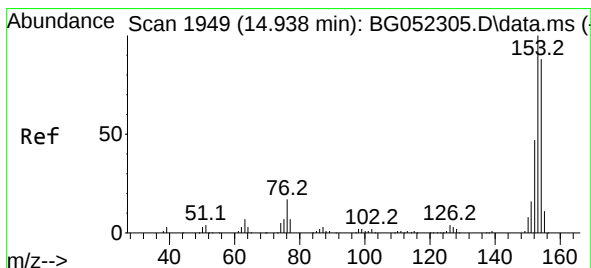
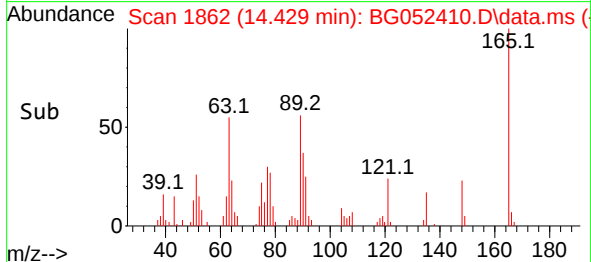
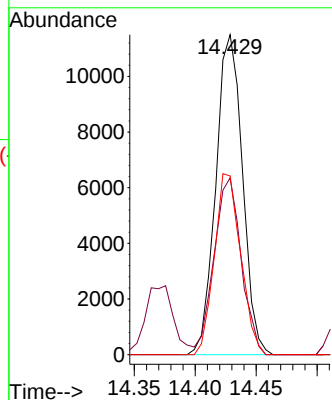
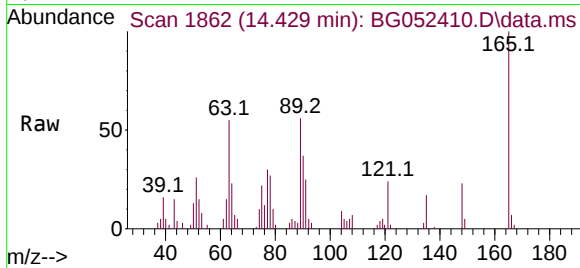




#51
2,6-Dinitrotoluene
Concen: 12.649 ng
RT: 14.429 min Scan# 1862
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

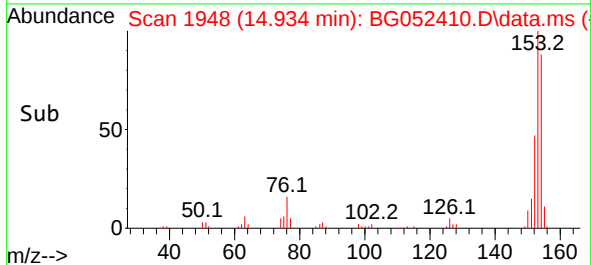
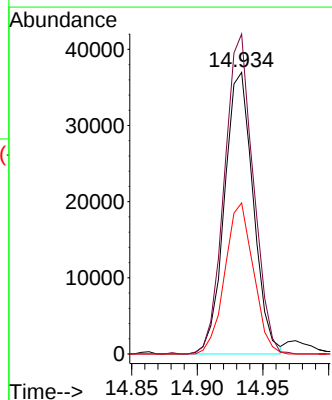
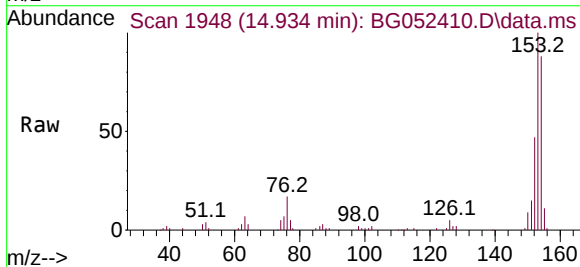
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

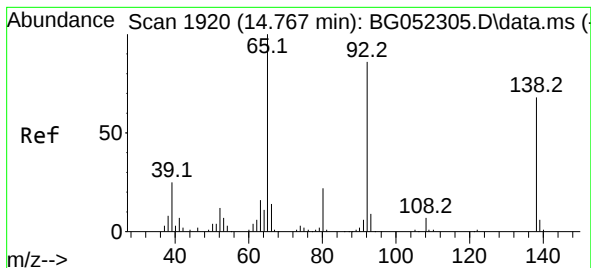
Tgt Ion:165 Resp: 17488
Ion Ratio Lower Upper
165 100
63 55.2 59.0 88.4#
89 55.8 49.4 74.0



#52
Acenaphthene
Concen: 11.205 ng
RT: 14.934 min Scan# 1948
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:154 Resp: 56440
Ion Ratio Lower Upper
154 100
153 113.6 91.9 137.9
152 53.6 43.4 65.2

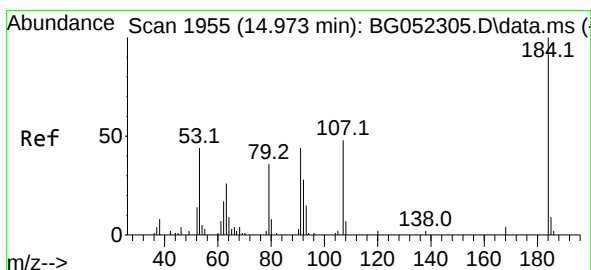
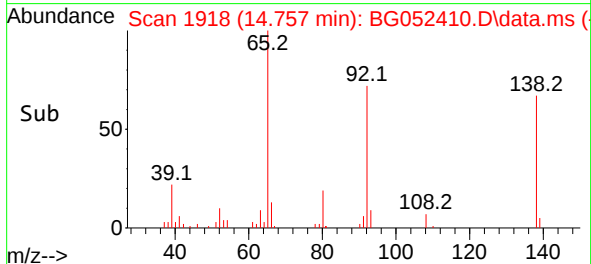
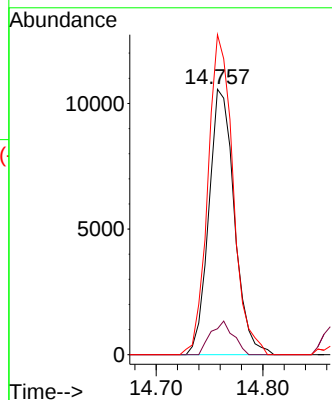
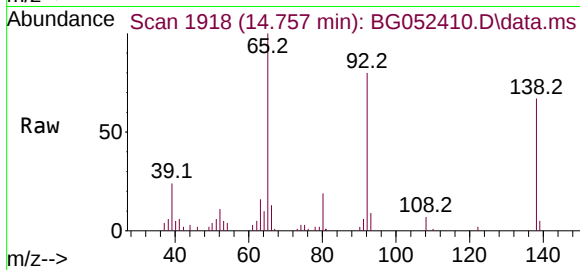




#53
3-Nitroaniline
Concen: 12.224 ng
RT: 14.757 min Scan# 1918
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

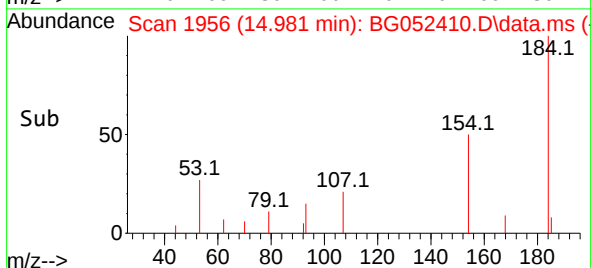
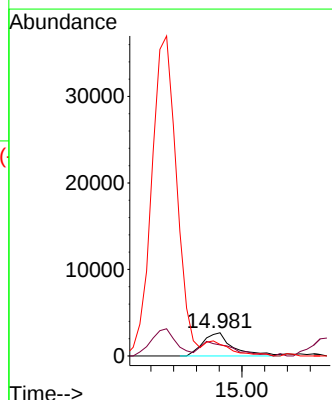
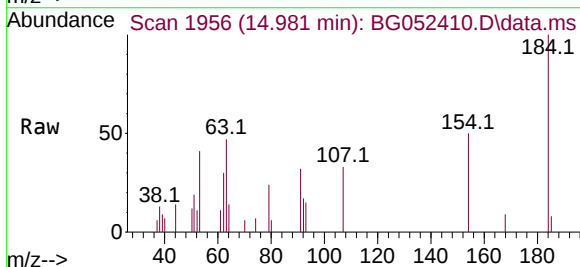
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

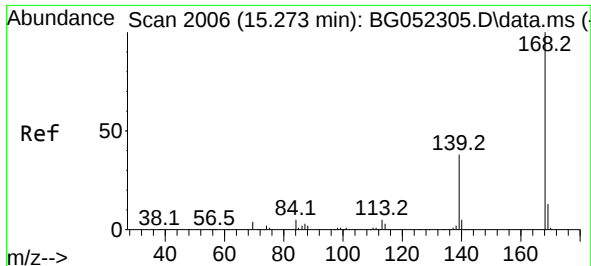
Tgt Ion:138 Resp: 17567
Ion Ratio Lower Upper
138 100
108 9.8 7.8 11.8
92 120.6 100.4 150.6



#54
2,4-Dinitrophenol
Concen: 6.550 ng
RT: 14.981 min Scan# 1956
Delta R.T. 0.008 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:184 Resp: 4910
Ion Ratio Lower Upper
184 100
63 47.4 56.0 84.0#
154 49.8 50.2 75.2#

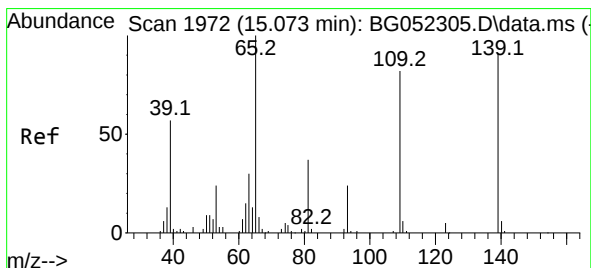
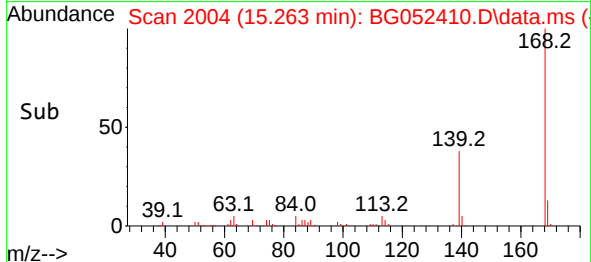
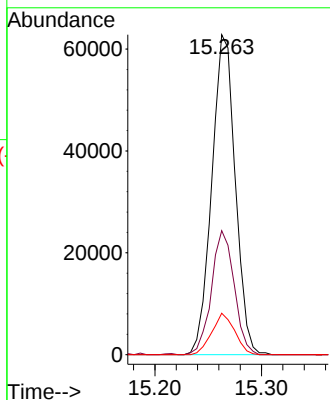
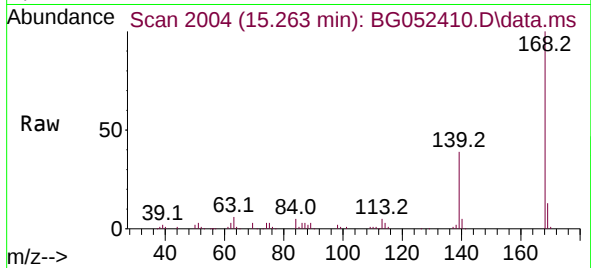




#55
Dibenzofuran
Concen: 12.121 ng
RT: 15.263 min Scan# 2004
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

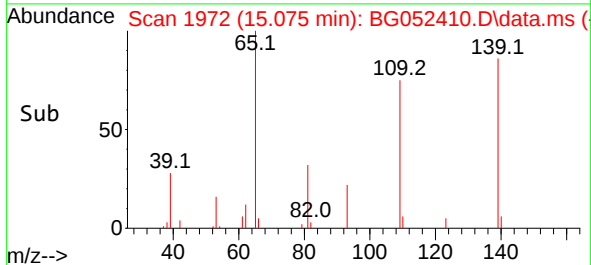
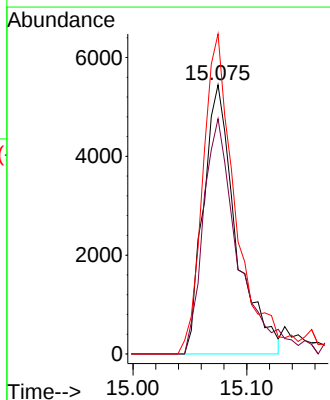
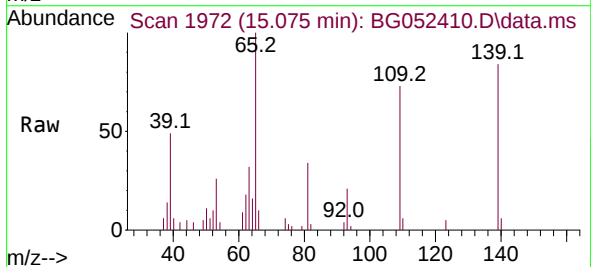
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

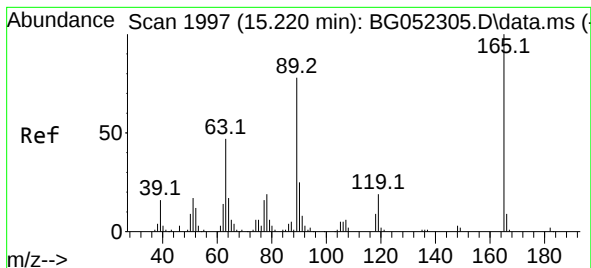
Tgt Ion:168 Resp: 96021
Ion Ratio Lower Upper
168 100
139 38.7 30.7 46.1
169 13.0 10.9 16.3



#56
4-Nitrophenol
Concen: 10.015 ng
RT: 15.075 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

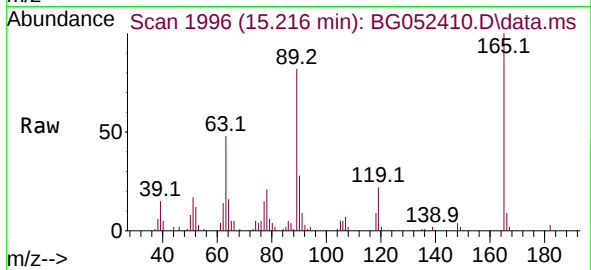
Tgt Ion:139 Resp: 10808
Ion Ratio Lower Upper
139 100
109 87.4 84.9 124.9
65 118.9 109.9 149.9



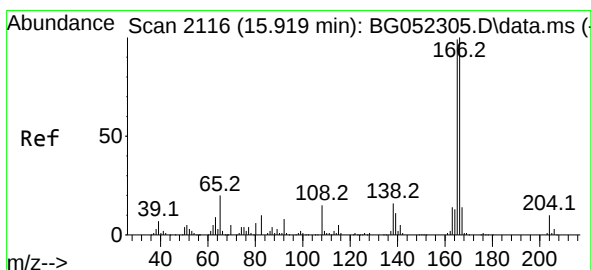
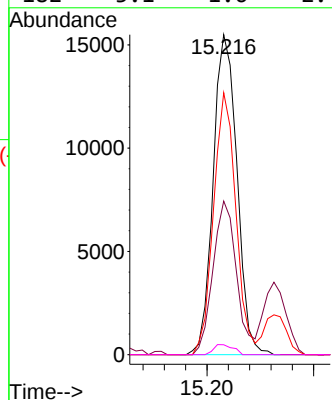
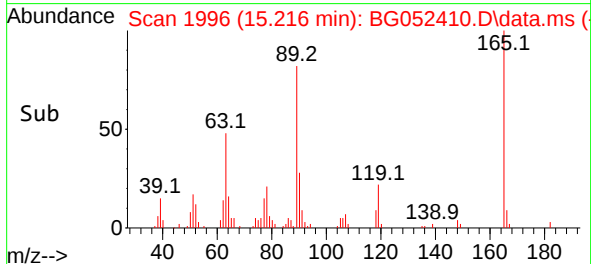


#57
2,4-Dinitrotoluene
Concen: 12.191 ng
RT: 15.216 min Scan# 1996
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

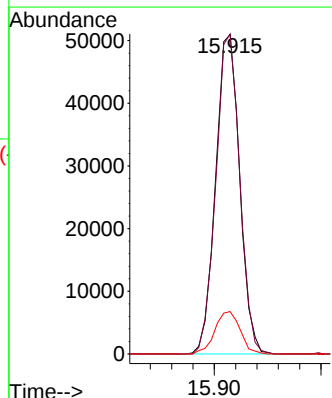
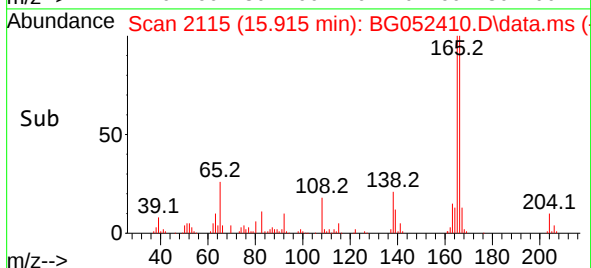
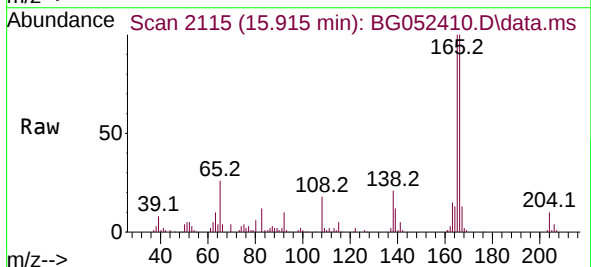


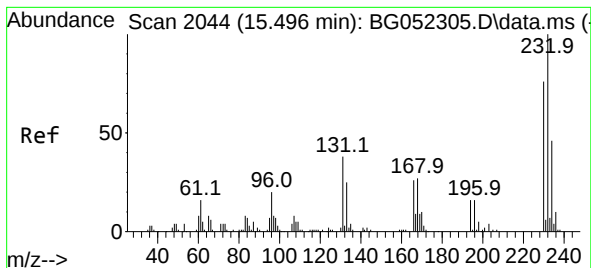
Tgt Ion:165 Resp: 23989
Ion Ratio Lower Upper
165 100
63 48.0 44.6 66.8
89 81.9 67.4 101.0
182 3.1 1.6 2.4#



#58
Fluorene
Concen: 12.574 ng
RT: 15.915 min Scan# 2115
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:166 Resp: 79518
Ion Ratio Lower Upper
166 100
165 100.2 80.0 120.0
167 13.3 11.1 16.7

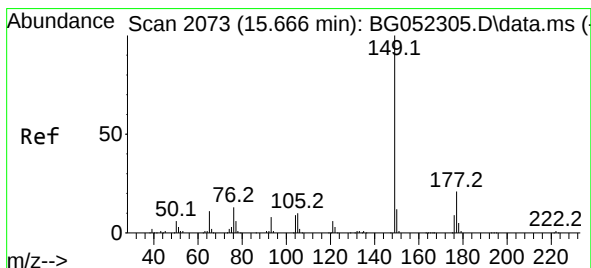
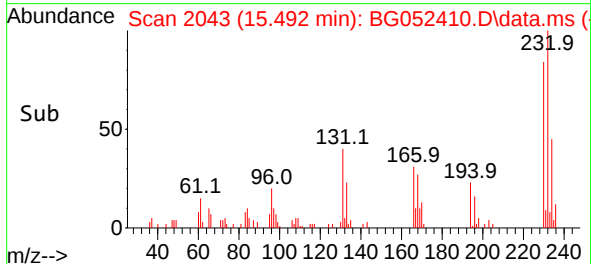
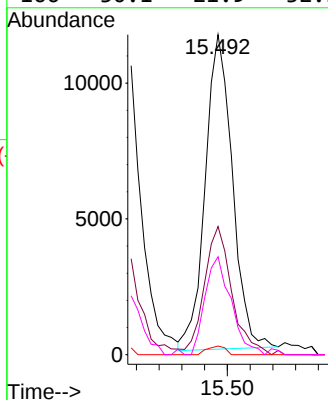
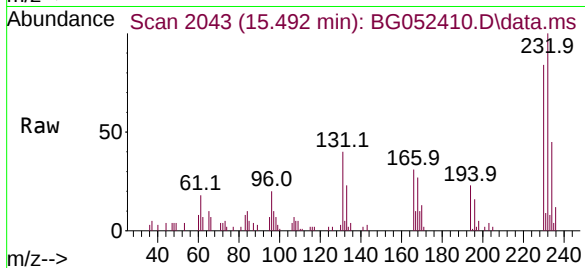




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.306 ng
RT: 15.492 min Scan# 2044
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

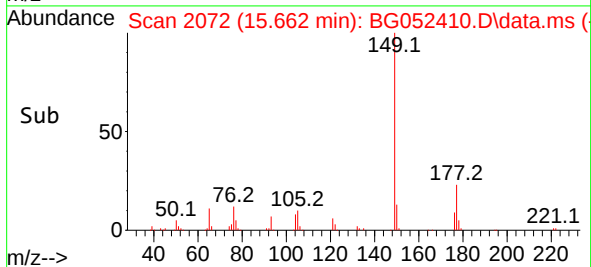
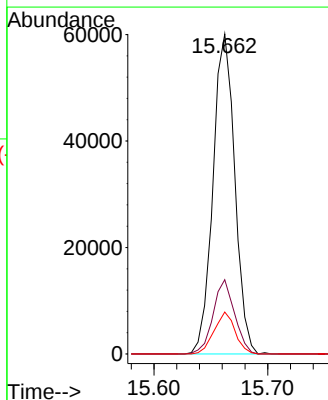
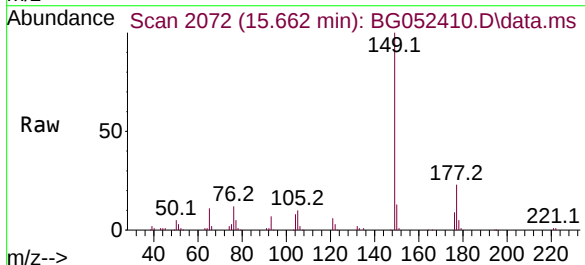
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:232 Resp: 19196
Ion Ratio Lower Upper
232 100
131 41.3 32.2 48.4
130 1.9 2.2 3.4#
166 30.1 21.9 32.9



#60
Diethylphthalate
Concen: 12.365 ng
RT: 15.662 min Scan# 2072
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:149 Resp: 80030
Ion Ratio Lower Upper
149 100
177 23.2 17.8 26.6
150 13.1 9.2 13.8

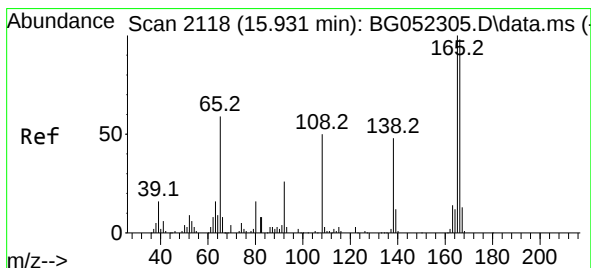
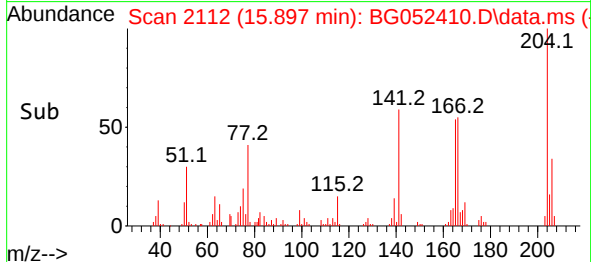
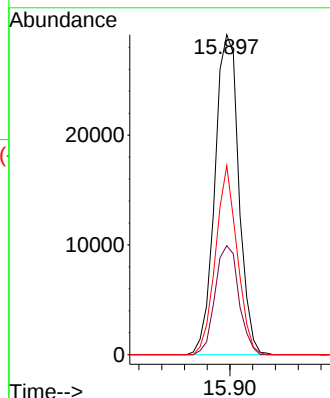
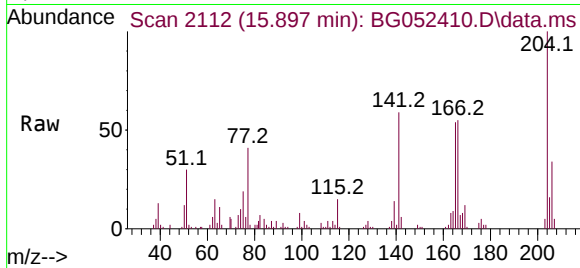




#61
4-Chlorophenyl-phenylether
Concen: 11.849 ng
RT: 15.897 min Scan# 2112
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

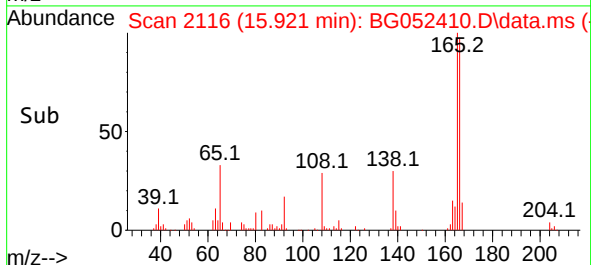
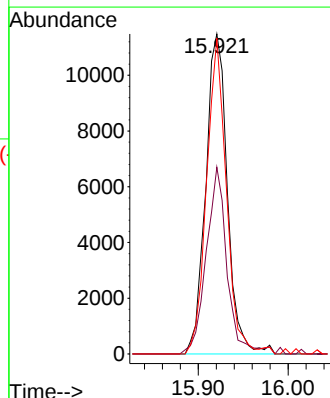
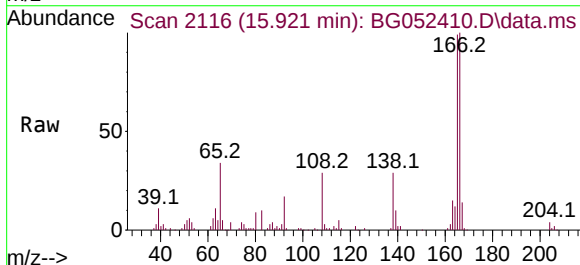
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

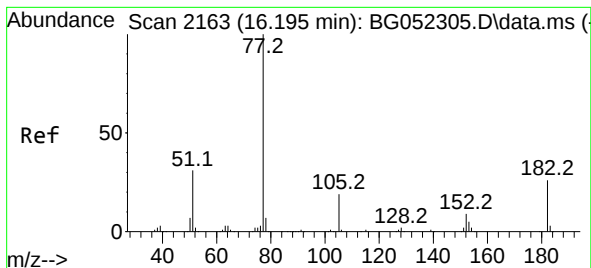
Tgt Ion:204 Resp: 42683
Ion Ratio Lower Upper
204 100
206 34.1 28.4 42.6
141 59.1 41.8 62.6



#62
4-Nitroaniline
Concen: 12.725 ng
RT: 15.921 min Scan# 2116
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:138 Resp: 19251
Ion Ratio Lower Upper
138 100
92 58.3 35.5 75.5
108 98.7 96.4 136.4





#63

Azobenzene

Concen: 11.973 ng

RT: 16.191 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 79330

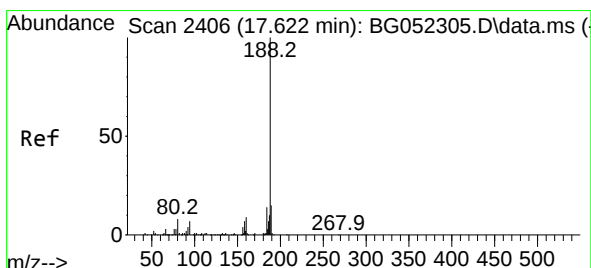
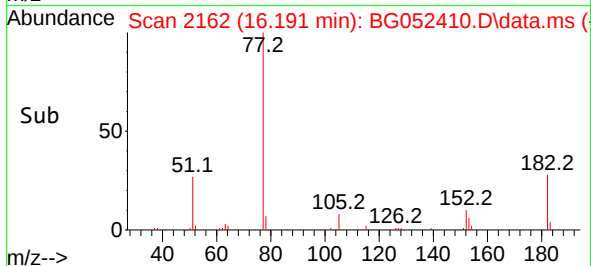
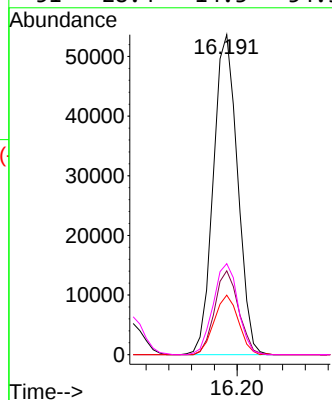
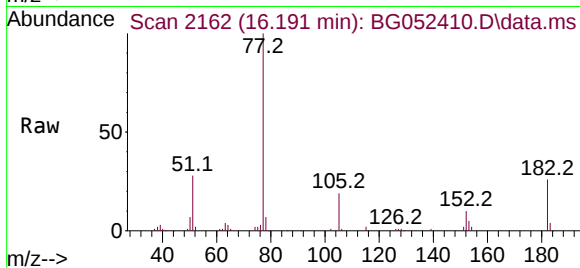
Ion Ratio Lower Upper

77 100

182 26.2 4.1 44.1

105 18.6 0.0 37.5

51 28.4 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.618 min Scan# 2405

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

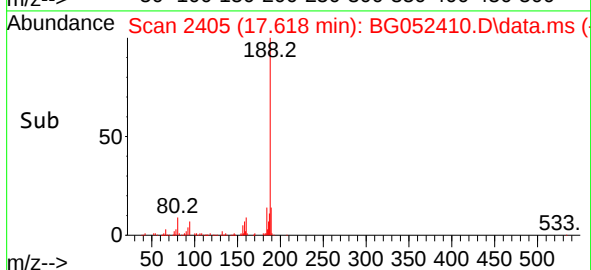
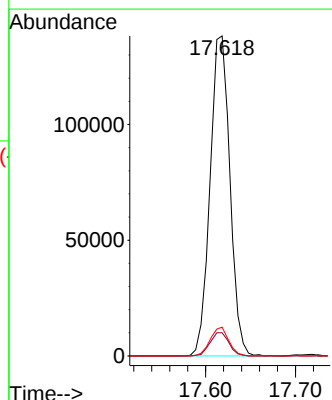
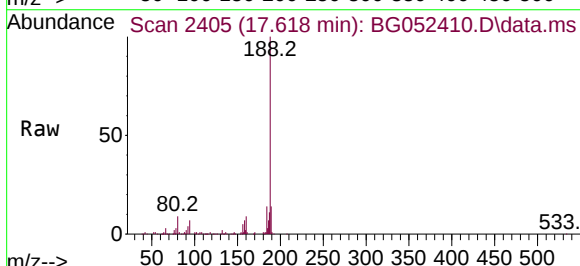
Tgt Ion:188 Resp: 212036

Ion Ratio Lower Upper

188 100

94 7.3 5.9 8.9

80 9.0 6.6 10.0

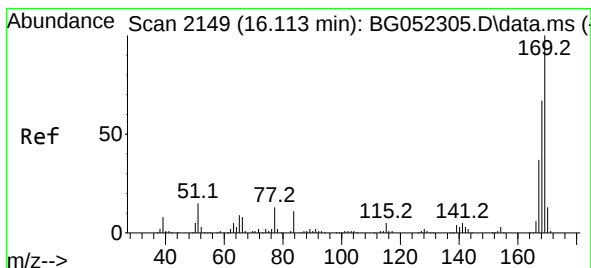
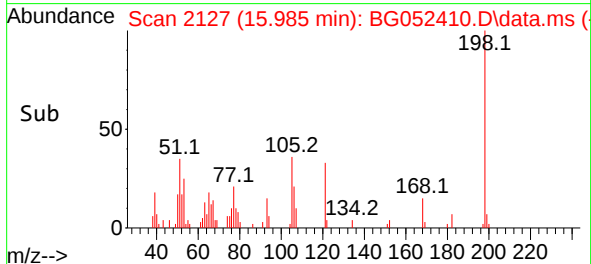
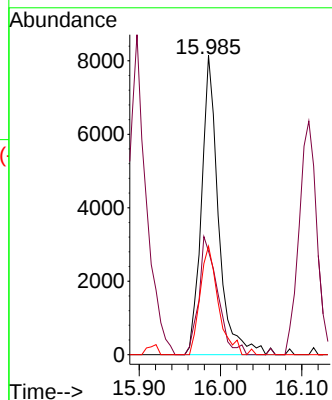
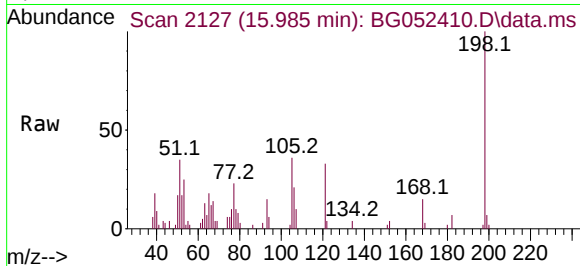




#65
4,6-Dinitro-2-methylphenol
Concen: 9.351 ng
RT: 15.985 min Scan# 2128
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

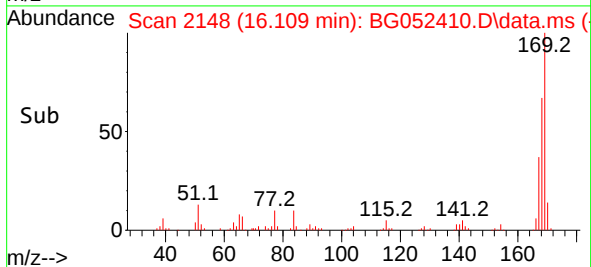
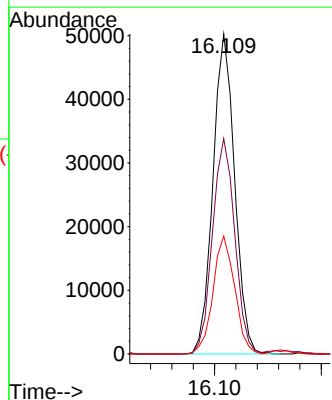
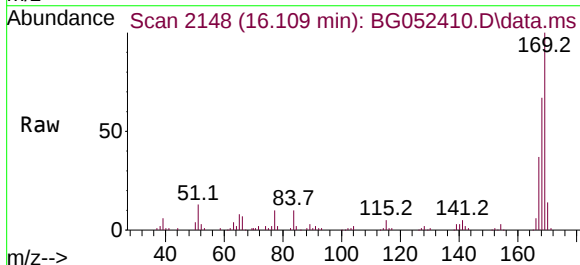
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:198 Resp: 11927
Ion Ratio Lower Upper
198 100
51 34.6 31.6 71.6
105 36.2 22.3 62.3



#66
n-Nitrosodiphenylamine
Concen: 12.152 ng
RT: 16.109 min Scan# 2148
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:169 Resp: 70991
Ion Ratio Lower Upper
169 100
168 67.3 57.4 86.0
167 36.8 29.5 44.3

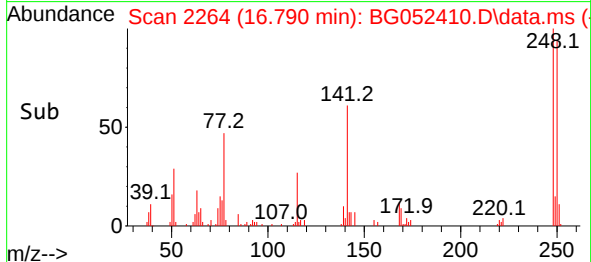
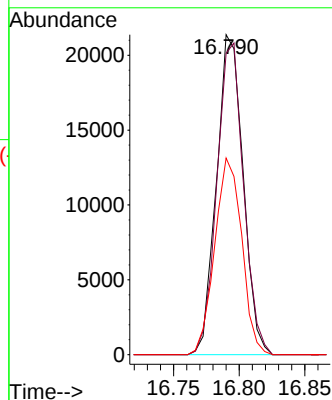
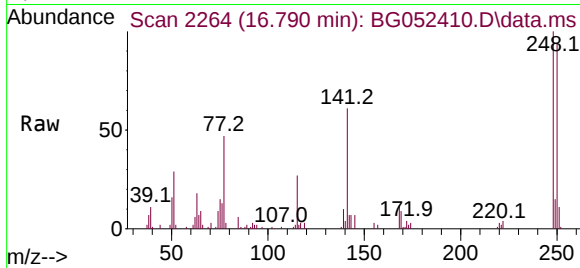




#67
4-Bromophenyl-phenylether
Concen: 11.673 ng
RT: 16.790 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

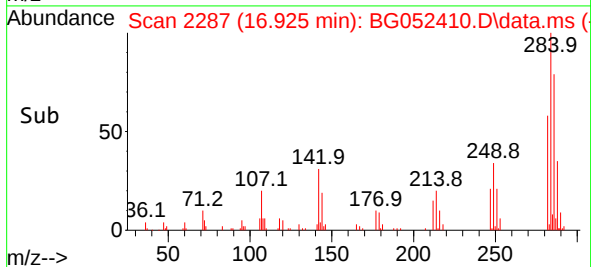
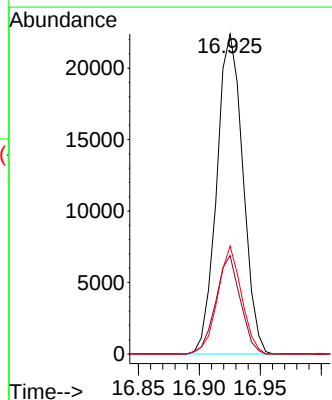
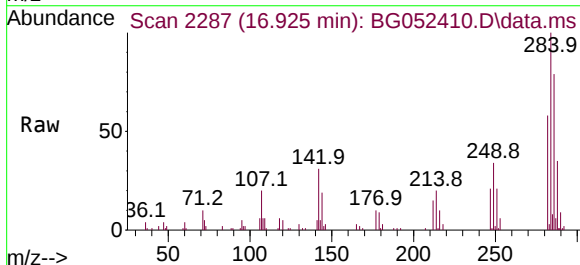
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

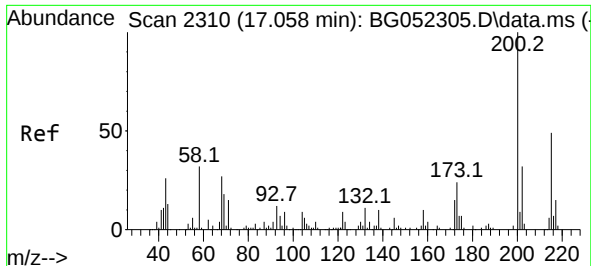
Tgt Ion:248 Resp: 30100
Ion Ratio Lower Upper
248 100
250 94.2 79.6 119.4
141 61.5 54.6 81.8



#68
Hexachlorobenzene
Concen: 11.950 ng
RT: 16.925 min Scan# 2287
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:284 Resp: 33422
Ion Ratio Lower Upper
284 100
142 30.7 26.2 39.2
249 33.7 26.9 40.3

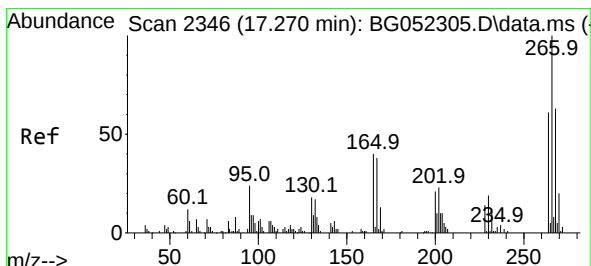
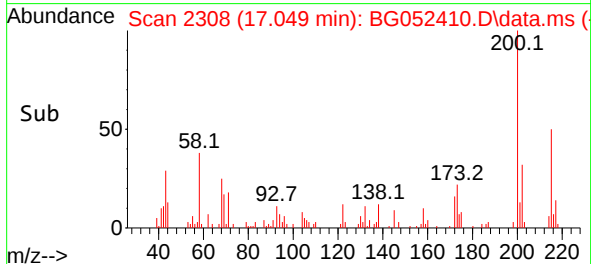
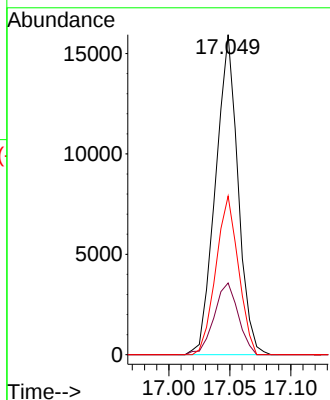
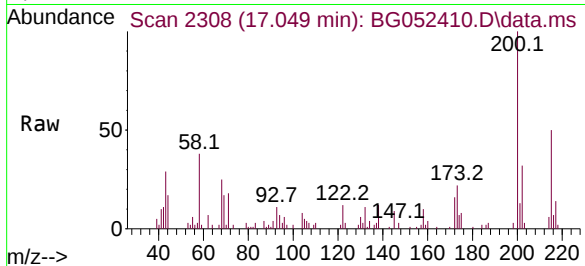




#69
 Atrazine
 Concen: 8.648 ng
 RT: 17.049 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

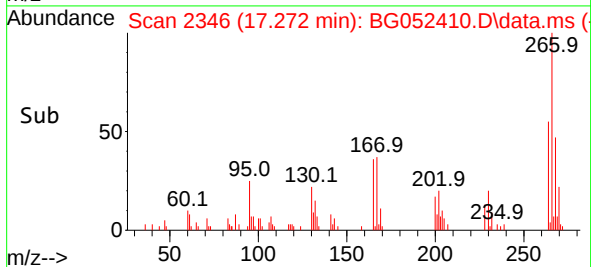
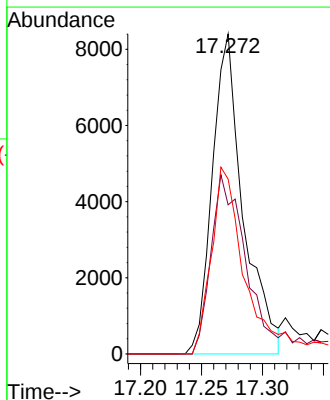
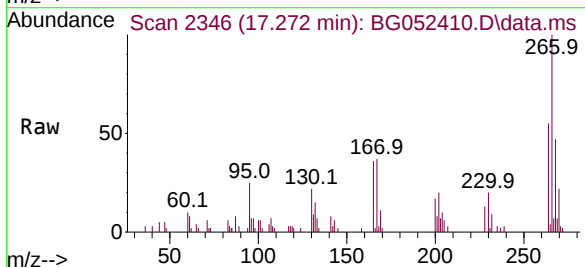
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

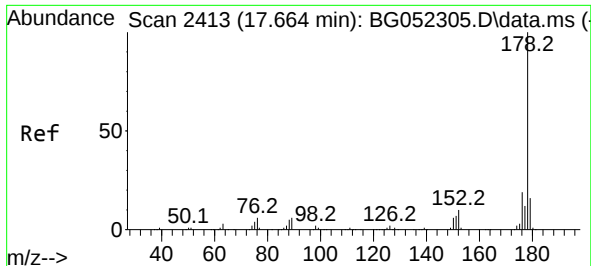
Tgt Ion:200 Resp: 20425
 Ion Ratio Lower Upper
 200 100
 173 22.4 3.3 43.3
 215 49.5 24.4 64.4



#70
 Pentachlorophenol
 Concen: 10.811 ng
 RT: 17.272 min Scan# 2346
 Delta R.T. 0.002 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

Tgt Ion:266 Resp: 14792
 Ion Ratio Lower Upper
 266 100
 268 46.6 50.6 75.8#
 264 54.6 52.2 78.2

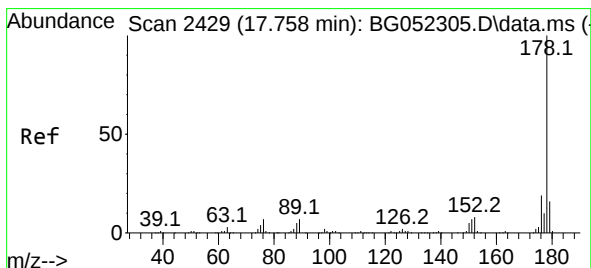
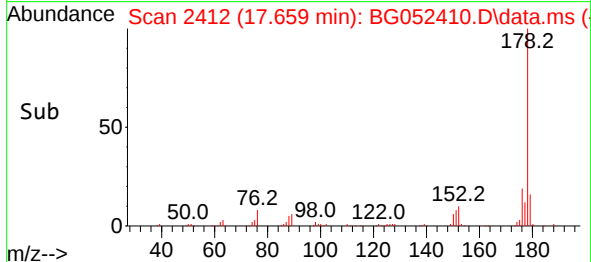
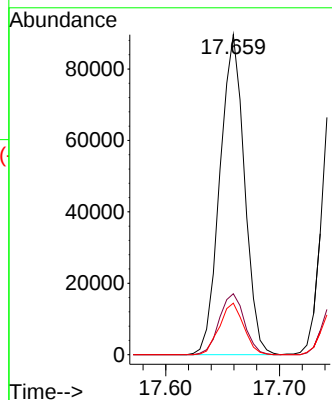
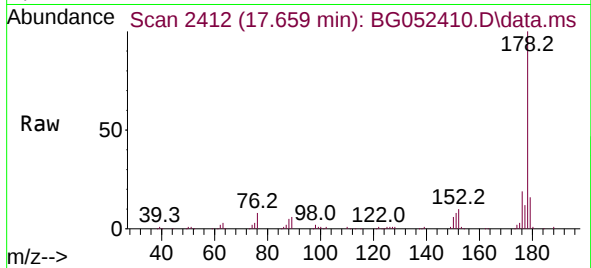




#71
Phenanthrene
Concen: 12.272 ng
RT: 17.659 min Scan# 2412
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

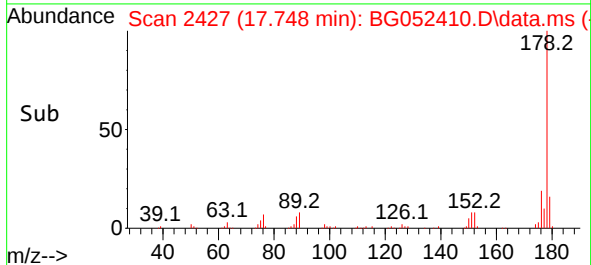
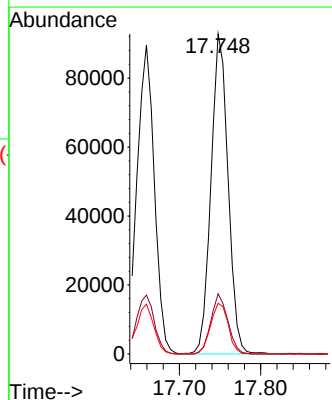
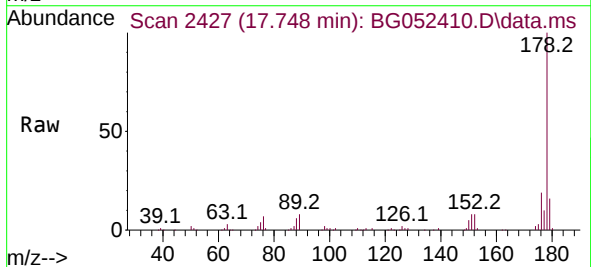
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

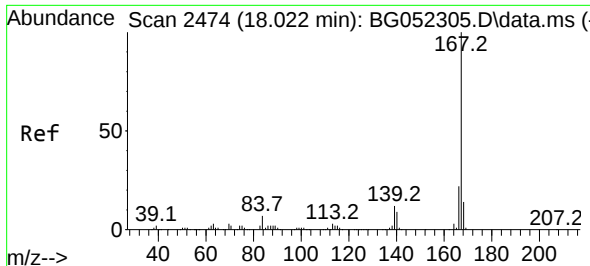
Tgt Ion:178 Resp: 134144
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 16.1 12.6 18.8



#72
Anthracene
Concen: 12.638 ng
RT: 17.748 min Scan# 2427
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:178 Resp: 135366
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.8 13.1 19.7

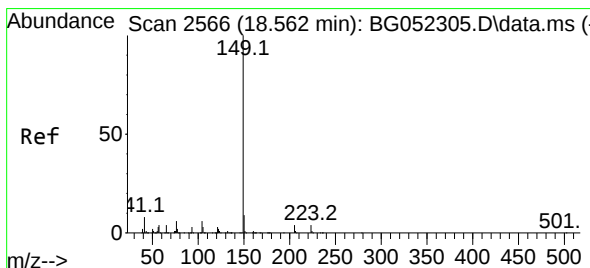
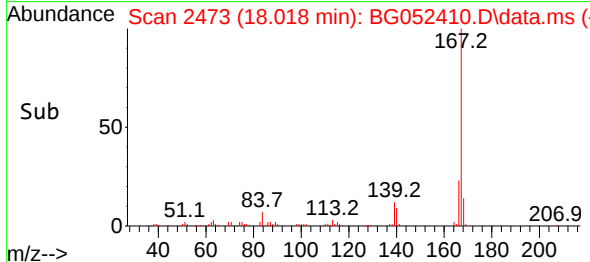
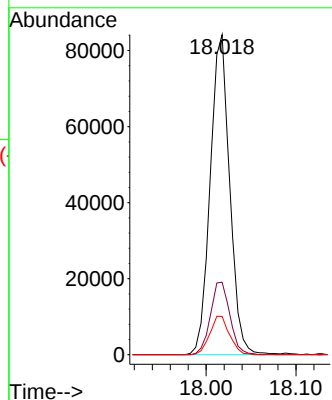
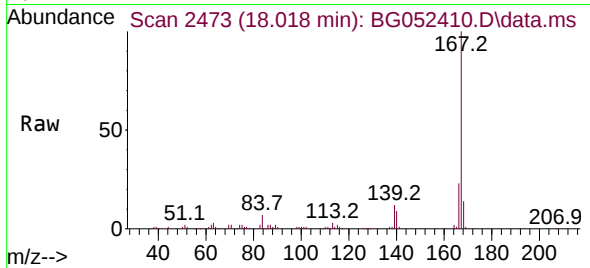




#73
Carbazole
Concen: 12.131 ng
RT: 18.018 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

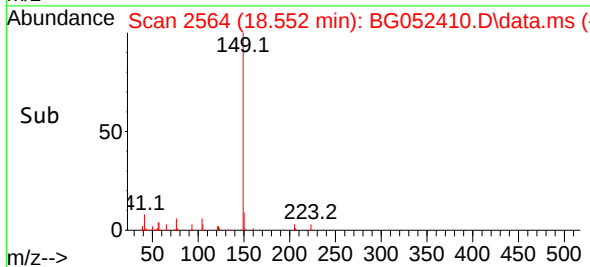
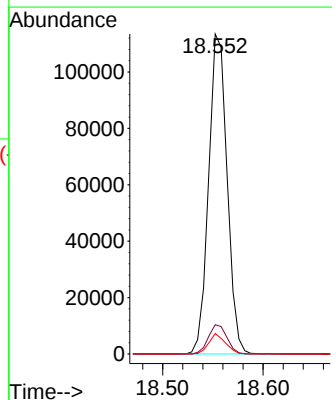
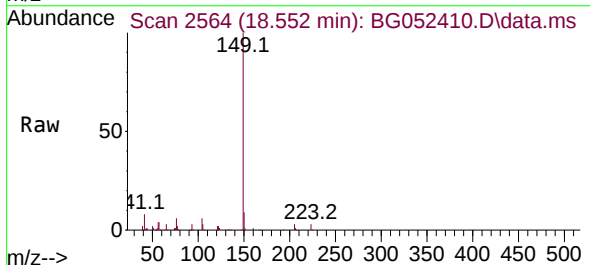
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

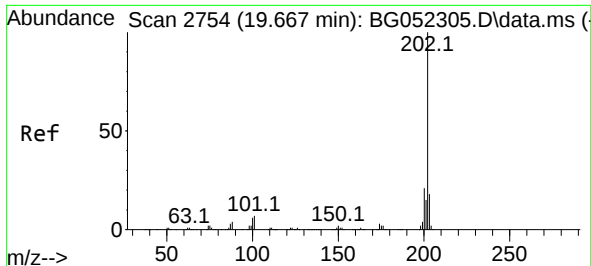
Tgt Ion:167 Resp: 126734
Ion Ratio Lower Upper
167 100
166 22.7 17.8 26.6
139 11.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 12.789 ng
RT: 18.552 min Scan# 2564
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:149 Resp: 145572
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 6.4 5.4 8.2

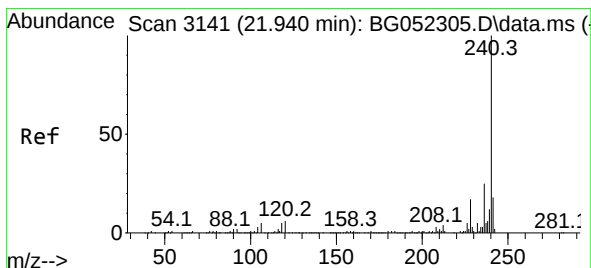
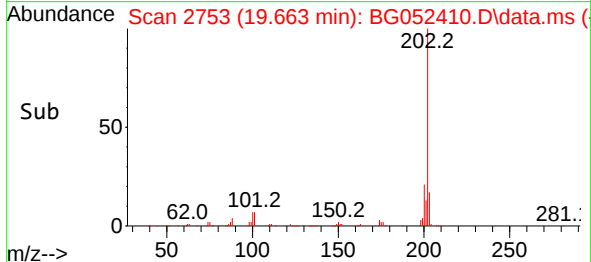
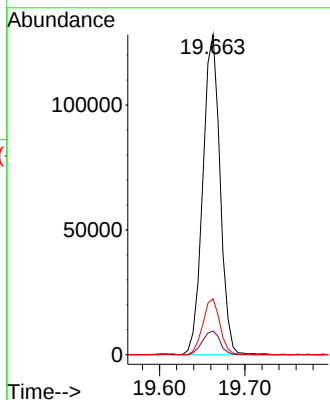
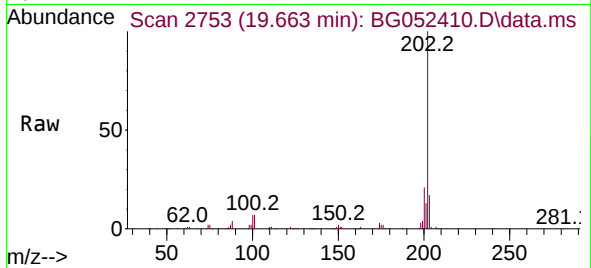




#75
Fluoranthene
Concen: 12.913 ng
RT: 19.663 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

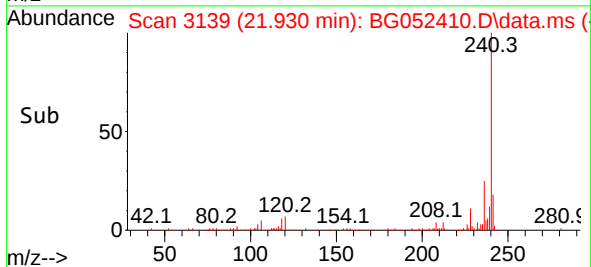
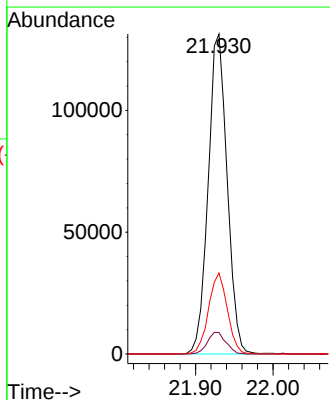
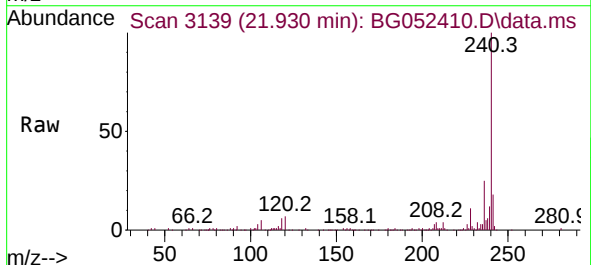
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:202 Resp: 179722
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.1
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.930 min Scan# 3139
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:240 Resp: 223135
Ion Ratio Lower Upper
240 100
120 6.7 4.4 6.6#
236 25.3 20.8 31.2

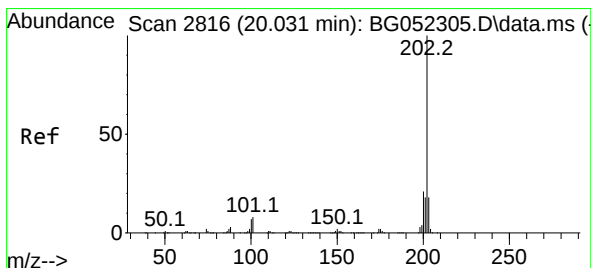
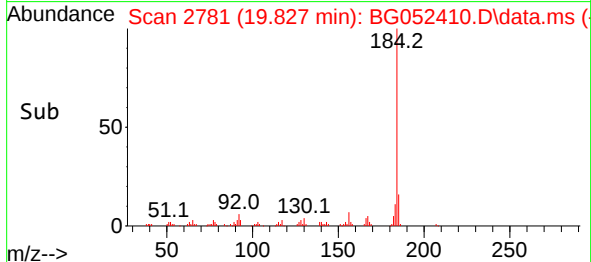
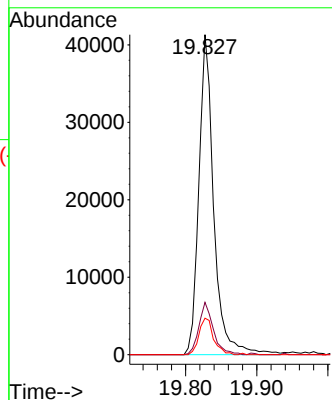
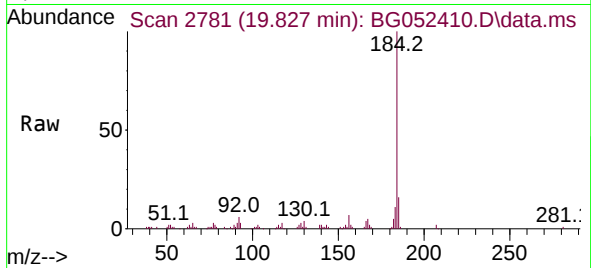




#77
Benzidine
Concen: 12.638 ng
RT: 19.827 min Scan# 2781
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

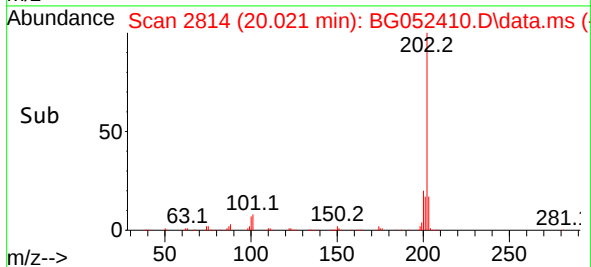
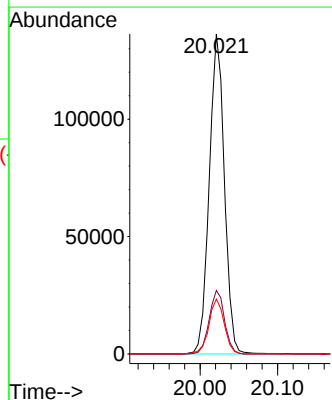
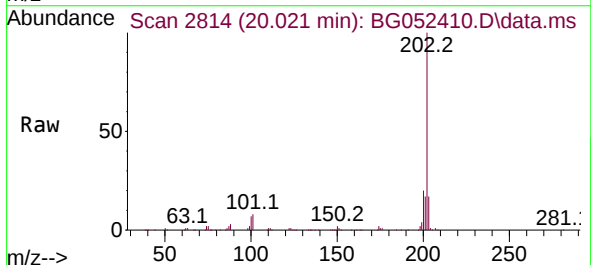
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

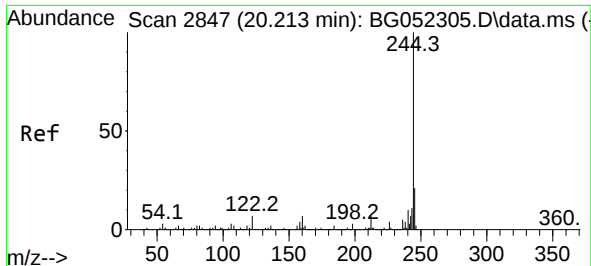
Tgt Ion:184 Resp: 60259
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.8
183 11.4 9.8 14.6



#78
Pyrene
Concen: 12.430 ng
RT: 20.021 min Scan# 2814
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:202 Resp: 185596
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 17.2 14.5 21.7

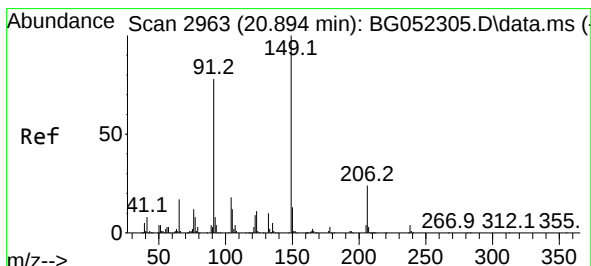
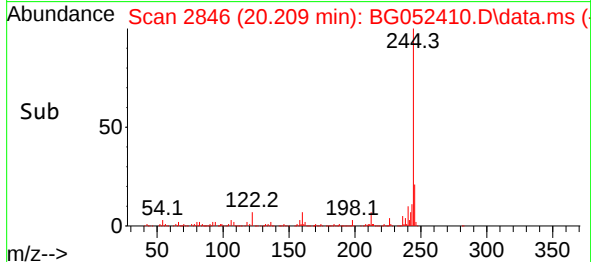
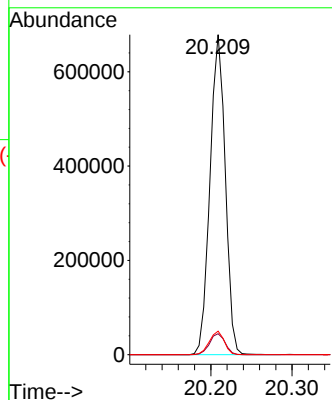
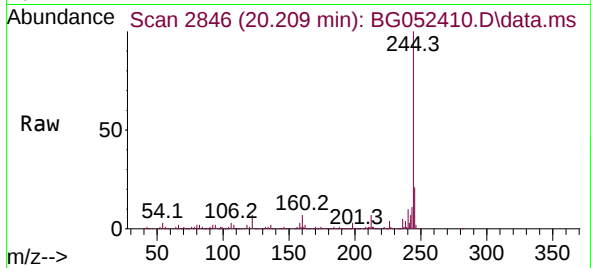




#79
 Terphenyl-d14
 Concen: 70.008 ng
 RT: 20.209 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

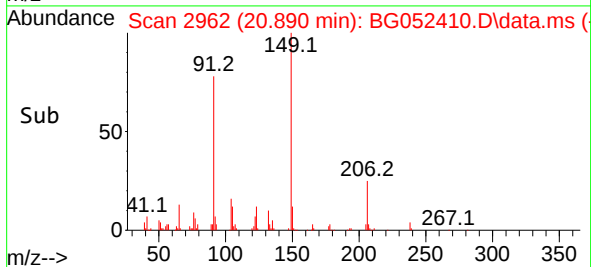
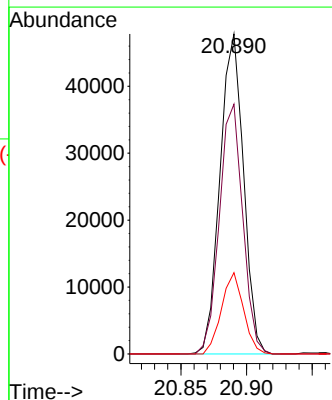
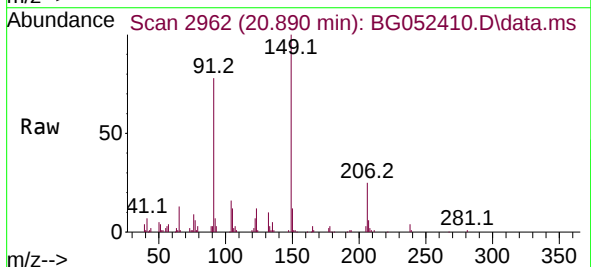
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

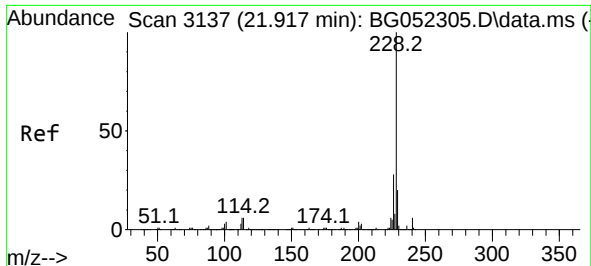
Tgt Ion:244 Resp: 884626
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 7.3 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 11.480 ng
 RT: 20.890 min Scan# 2962
 Delta R.T. -0.004 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

Tgt Ion:149 Resp: 59539
 Ion Ratio Lower Upper
 149 100
 91 78.1 64.0 96.0
 206 25.4 19.3 28.9

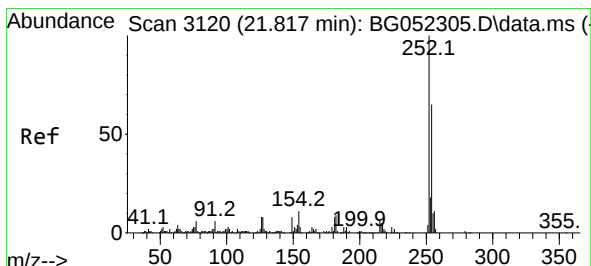
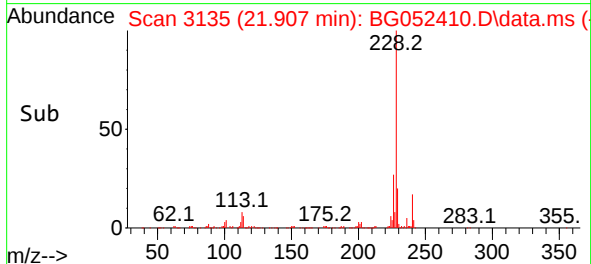
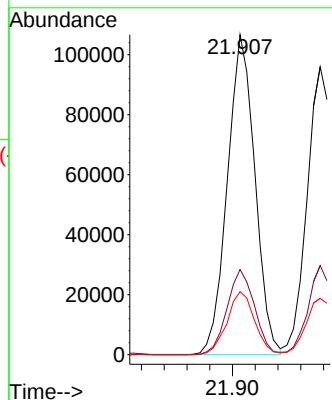
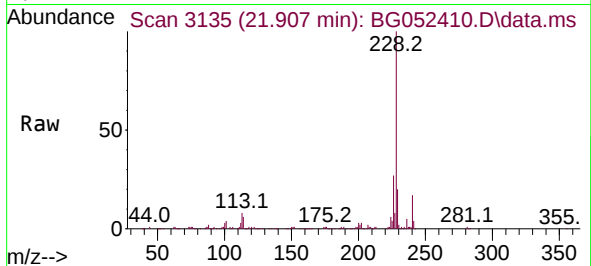




#81
Benzo(a)anthracene
Concen: 12.135 ng
RT: 21.907 min Scan# 3118
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

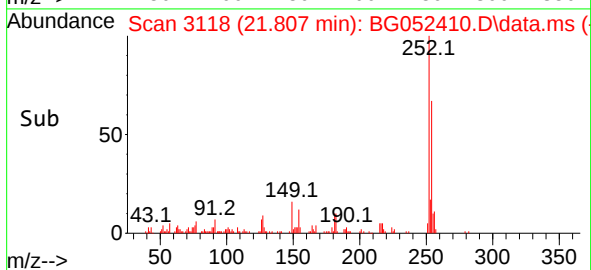
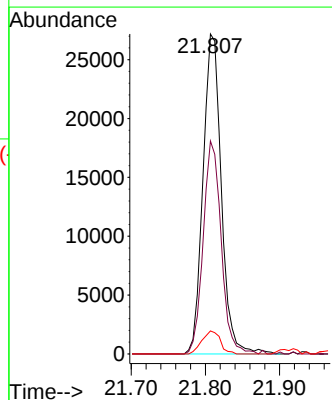
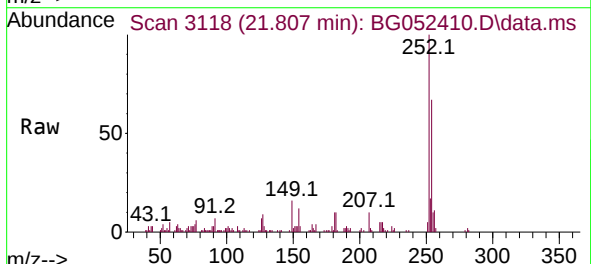
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

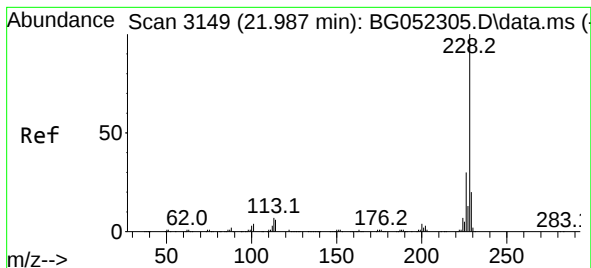
Tgt Ion:228 Resp: 179183
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.7 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 9.053 ng
RT: 21.807 min Scan# 3118
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:252 Resp: 46667
Ion Ratio Lower Upper
252 100
254 66.5 52.6 79.0
126 7.2 6.4 9.6





#83

Chrysene

Concen: 11.622 ng

RT: 21.977 min Scan# 3147

Delta R.T. -0.010 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

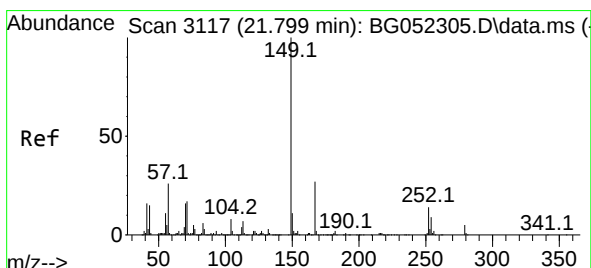
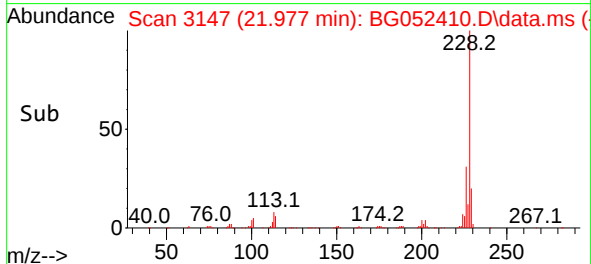
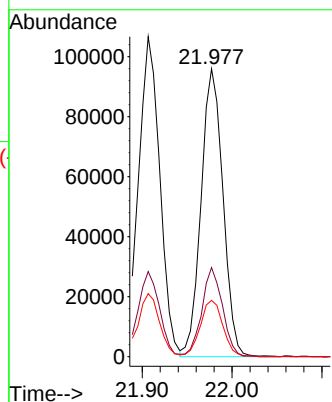
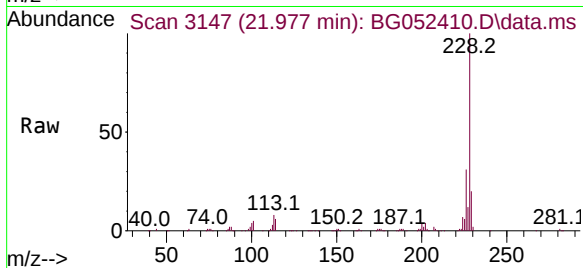
Tgt Ion:228 Resp: 162611

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 19.6 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.596 ng

RT: 21.783 min Scan# 3114

Delta R.T. -0.016 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

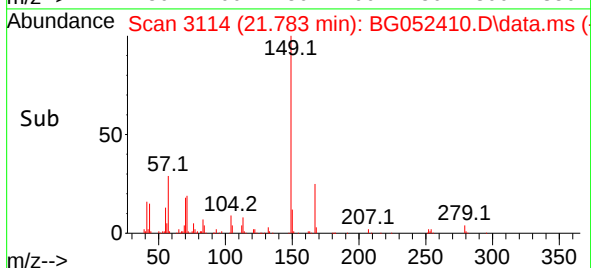
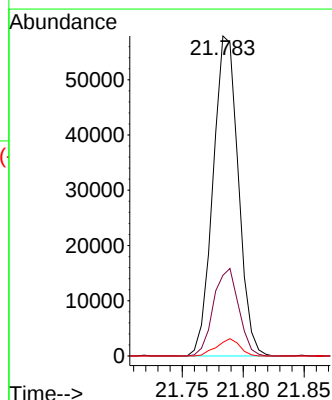
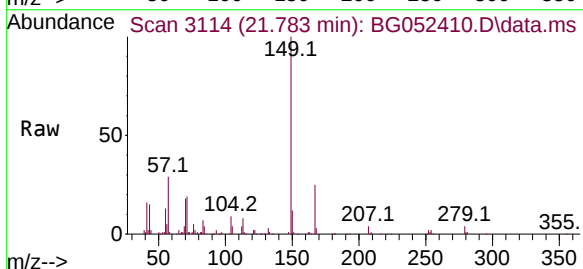
Tgt Ion:149 Resp: 83396

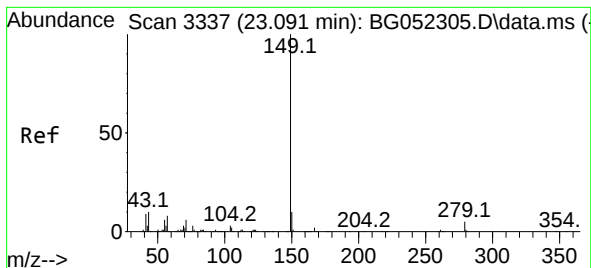
Ion Ratio Lower Upper

149 100

167 25.2 21.4 32.0

279 4.2 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 11.954 ng

RT: 23.076 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

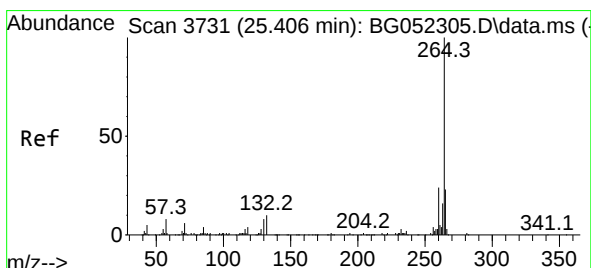
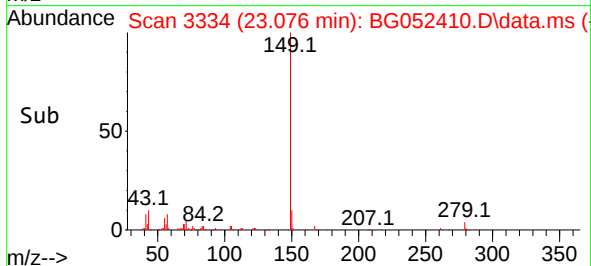
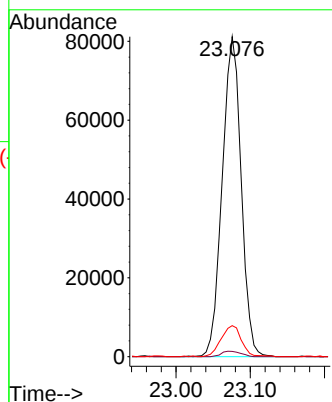
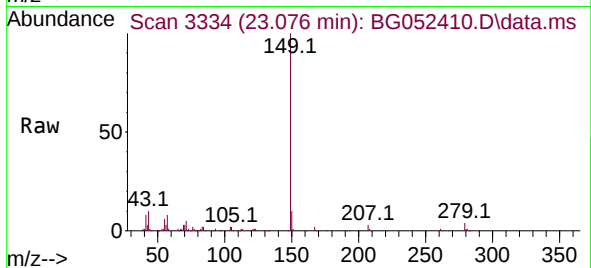
Tgt Ion:149 Resp: 144132

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 10.5 10.0 15.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.390 min Scan# 3728

Delta R.T. -0.016 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

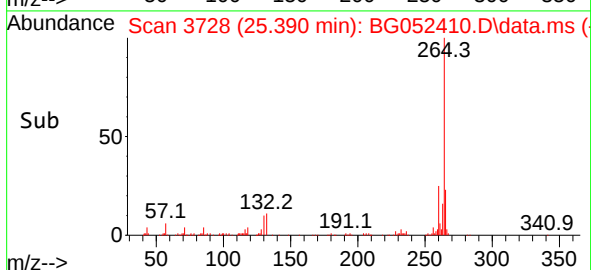
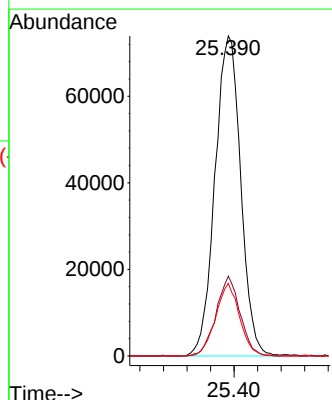
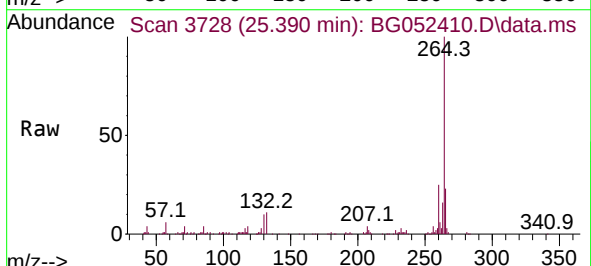
Tgt Ion:264 Resp: 224109

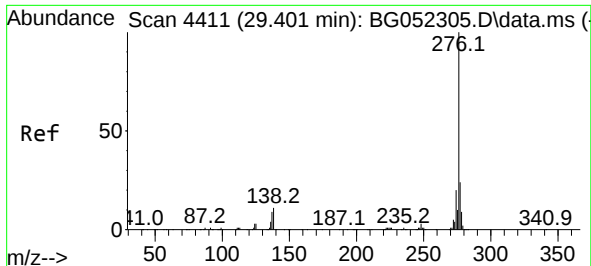
Ion Ratio Lower Upper

264 100

260 25.0 18.5 27.7

265 22.7 17.8 26.6

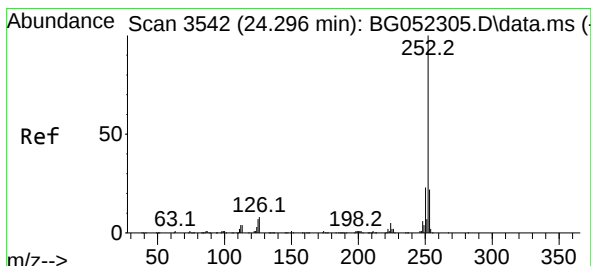
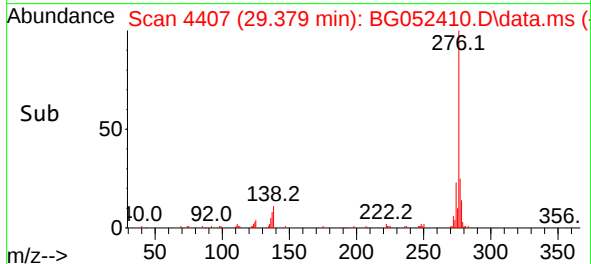
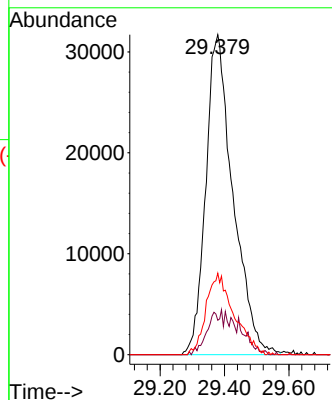
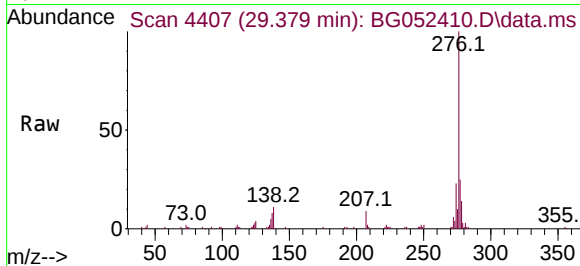




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.357 ng
 RT: 29.379 min Scan# 4411
 Delta R.T. -0.022 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

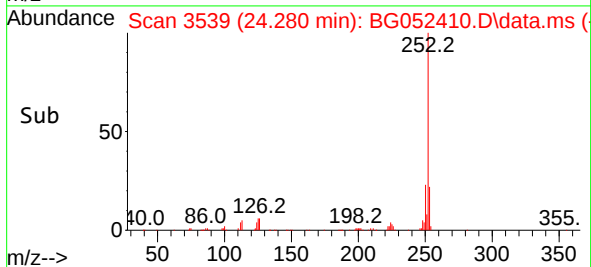
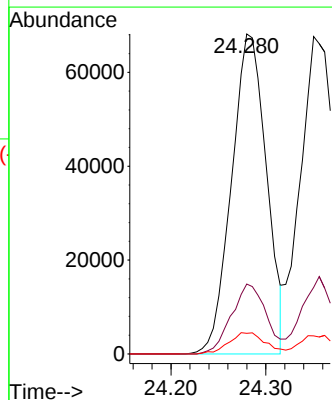
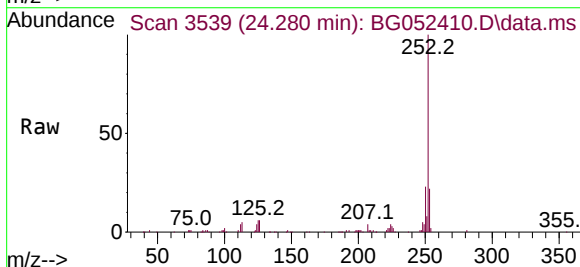
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

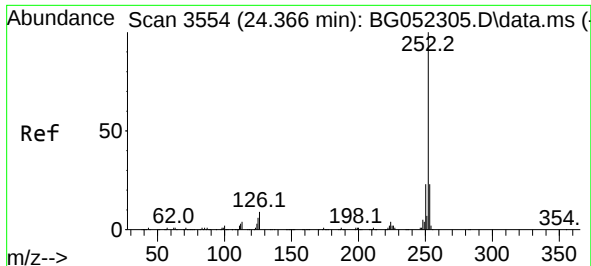
Tgt Ion:276 Resp: 186258
 Ion Ratio Lower Upper
 276 100
 138 5.7 6.1 9.1#
 277 25.9 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 12.473 ng
 RT: 24.280 min Scan# 3539
 Delta R.T. -0.016 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48

Tgt Ion:252 Resp: 174193
 Ion Ratio Lower Upper
 252 100
 253 21.8 18.3 27.5
 125 6.5 5.4 8.2

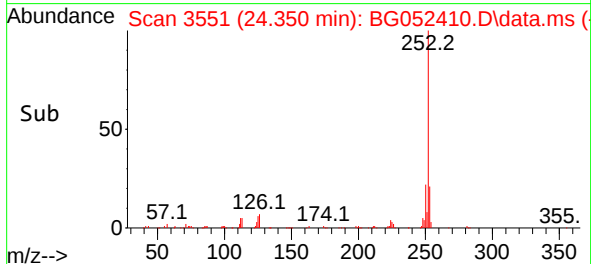
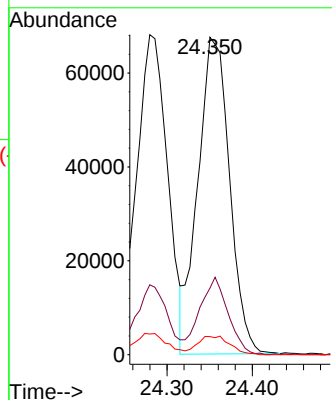
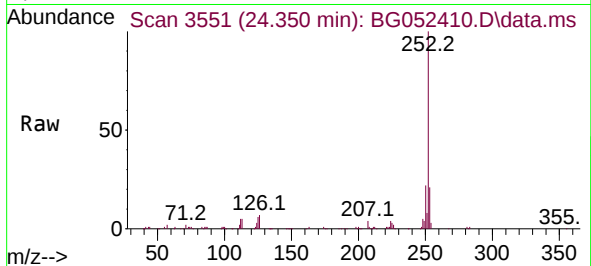




#89
Benzo(k)fluoranthene
Concen: 12.606 ng
RT: 24.350 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

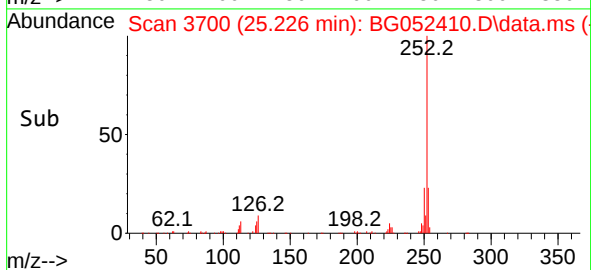
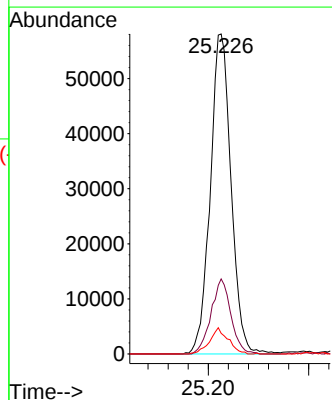
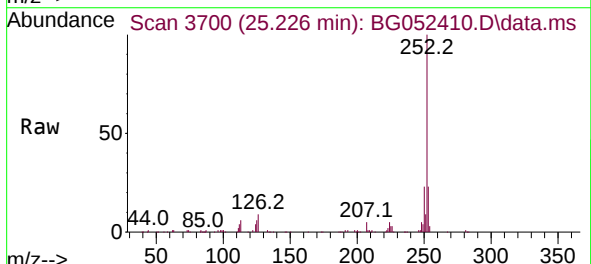
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

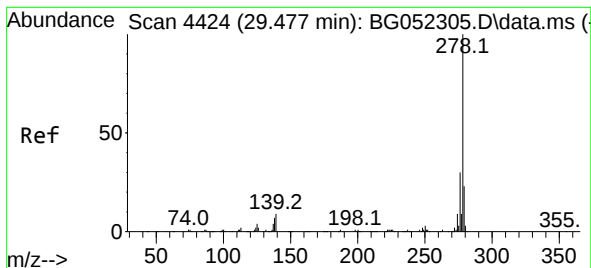
Tgt Ion:252 Resp: 173916
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 5.7 4.6 7.0



#90
Benzo(a)pyrene
Concen: 14.170 ng
RT: 25.226 min Scan# 3700
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:252 Resp: 167160
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 6.5 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 12.205 ng

RT: 29.449 min Scan# 4419

Delta R.T. -0.028 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

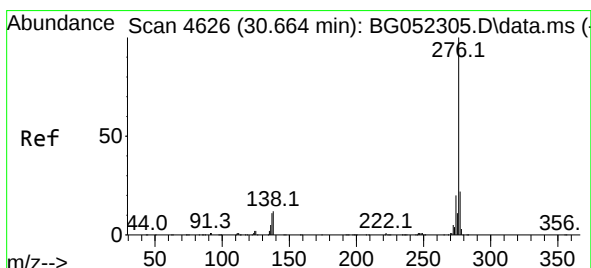
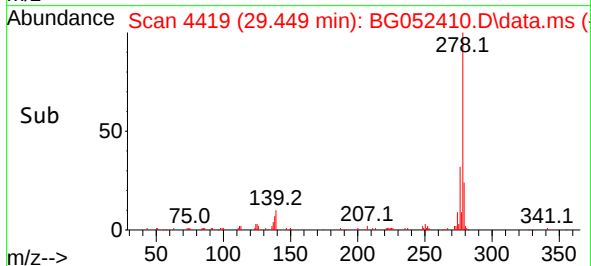
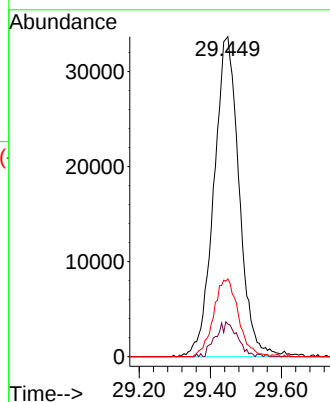
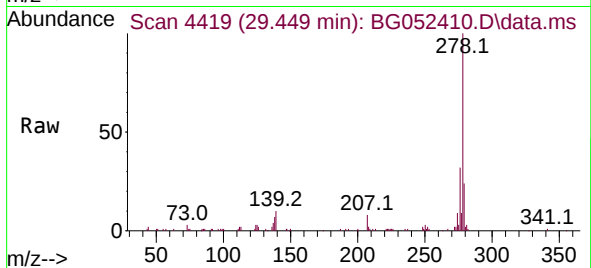
Tgt Ion:278 Resp: 165349

Ion Ratio Lower Upper

278 100

139 10.2 6.4 9.6#

279 24.3 20.1 30.1



#92

Benzo(g,h,i)perylene

Concen: 12.167 ng

RT: 30.630 min Scan# 4620

Delta R.T. -0.033 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Tgt Ion:276 Resp: 161773

Ion Ratio Lower Upper

276 100

277 24.0 18.2 27.2

138 11.2 9.1 13.7

