

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022

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	10.309	122	5042m	6.751	ng	
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	13.316	196	12040m	7.967	ng	

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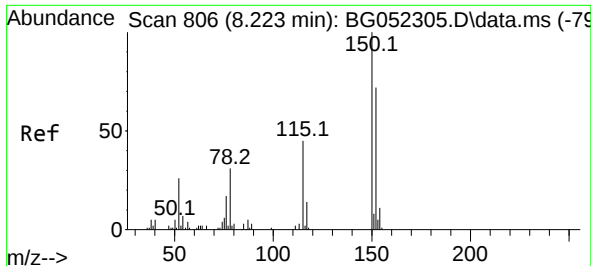
Quant Time: Feb 11 16:14:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.393	196	13464	8.221	ng	88
46) 1,1'-Biphenyl	13.710	154	48736	9.460	ng	97
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	38832m	9.177	ng	
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



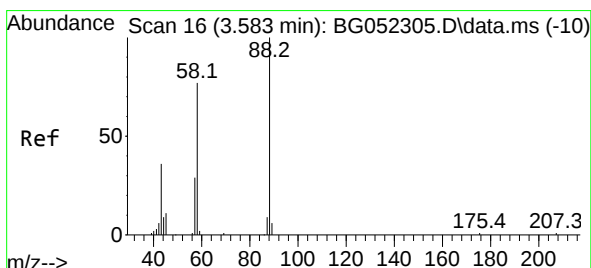
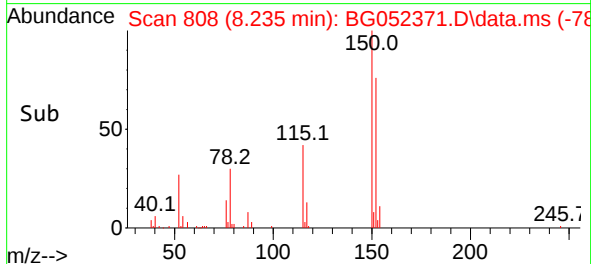
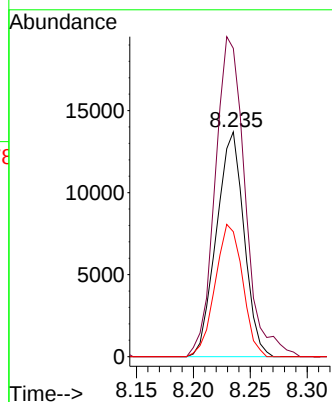
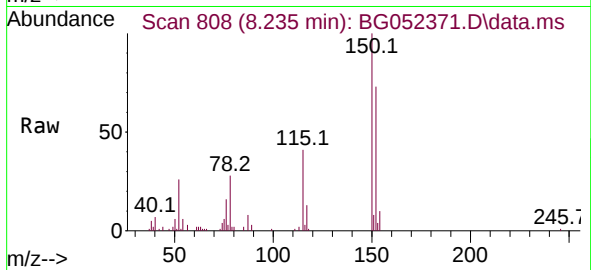
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.235 min Scan# 80
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

Tgt Ion:152 Resp: 2311
Ion Ratio Lower Upper
152 100
150 137.1 117.8 176.8
115 55.6 50.2 75.2

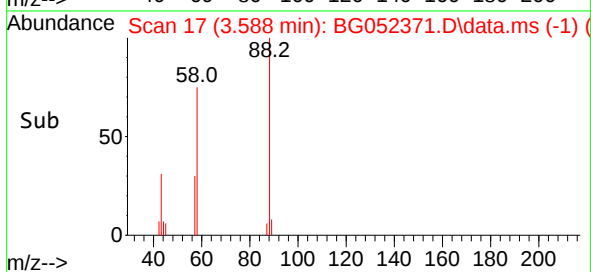
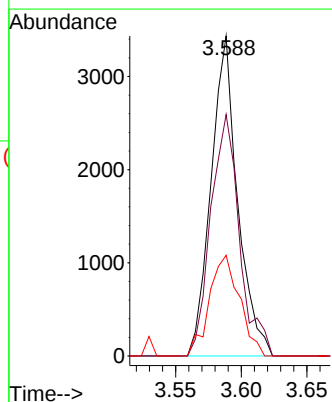
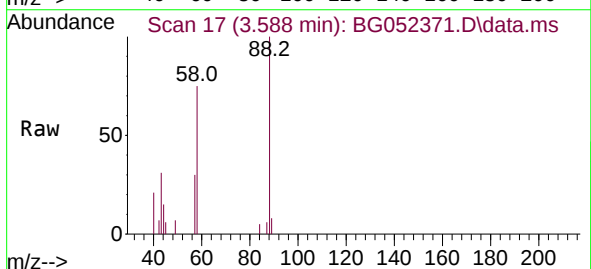
Manual Integrations
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Supervised By :mohammad ahmed 02/15/2022



#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





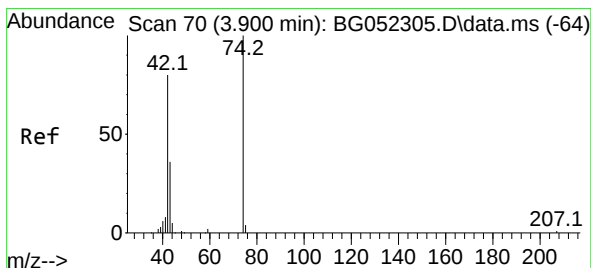
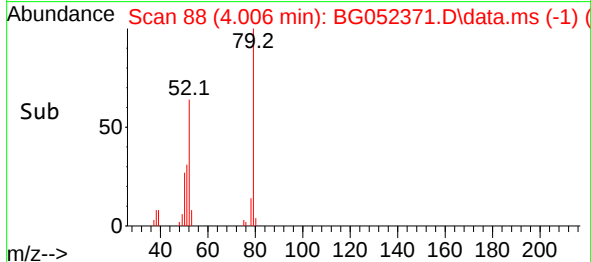
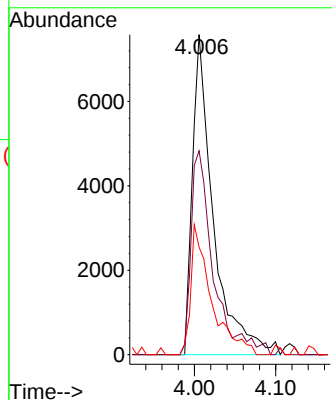
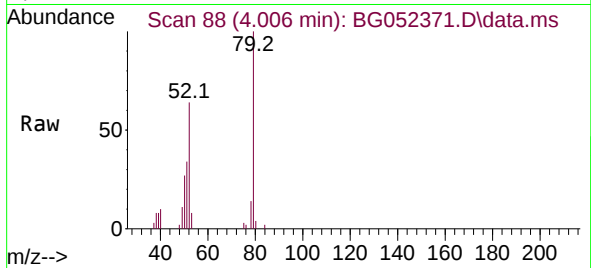
#3
Pyridine
Concen: 7.644 ng
RT: 4.006 min Scan# 86
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Instrument :
BNA_G
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

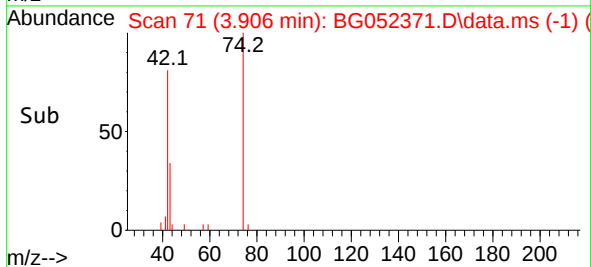
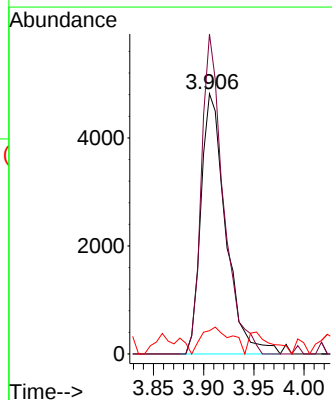
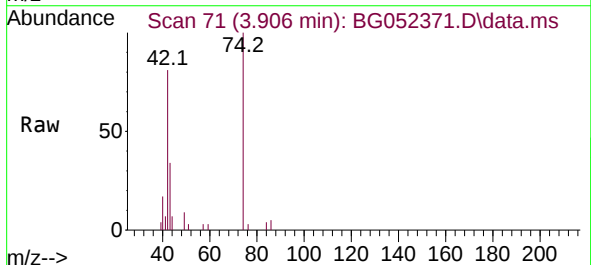
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Supervised By :mohammad ahmed 02/15/2022



#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

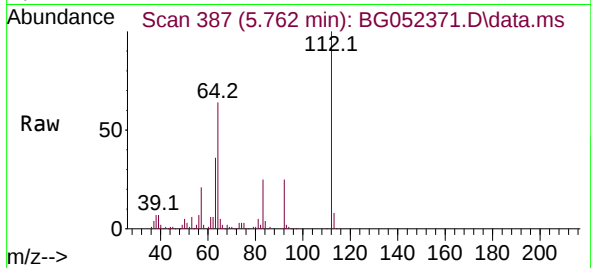
Tgt Ion: 42 Resp: 8277
Ion Ratio Lower Upper
42 100
74 123.0 83.0 124.4
44 8.9 5.0 7.6#





#5
2-Fluorophenol
Concen: 95.721 ng
RT: 5.762 min Scan# 385
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

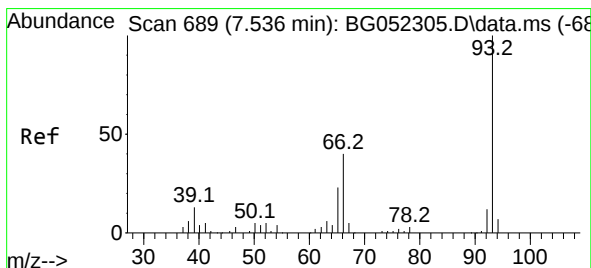
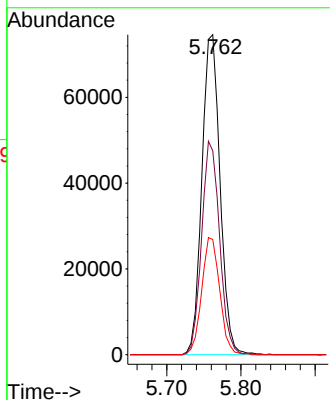
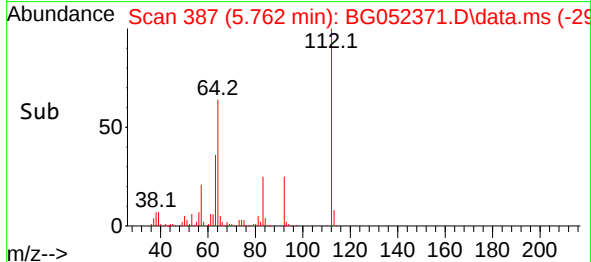
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 112 Resp: 12696
Ion Ratio Lower Upper
112 100
64 63.7 60.4 90.6
63 36.0 33.3 49.9

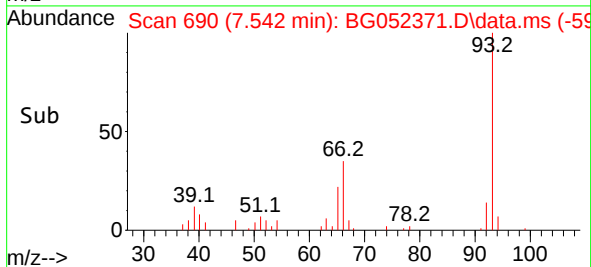
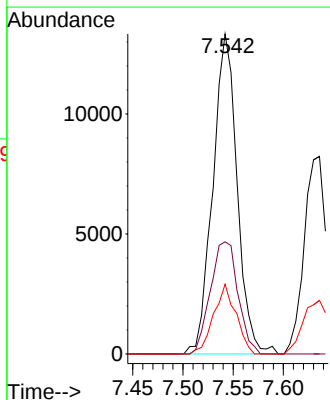
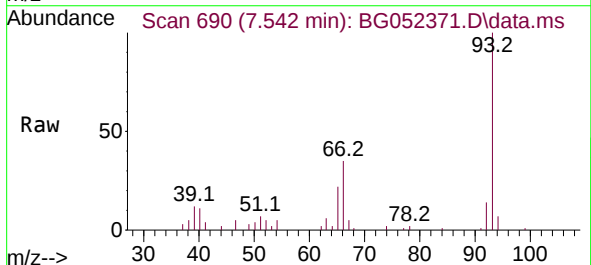
Manual Integrations
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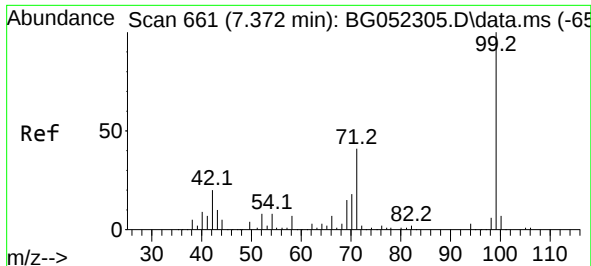
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

Instrument :

BNA_G

ClientSampleId :

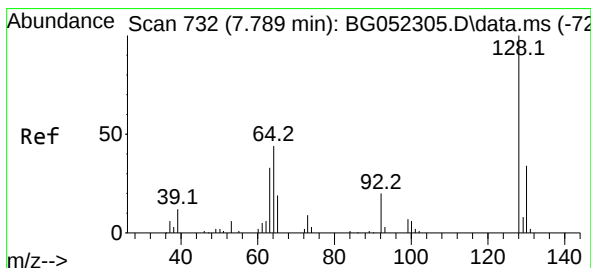
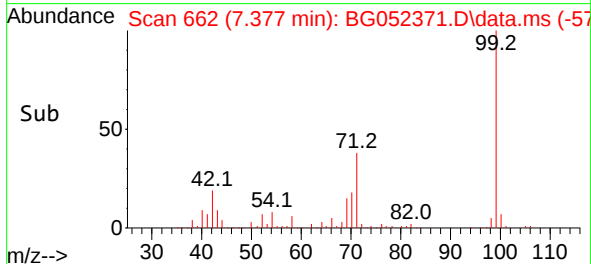
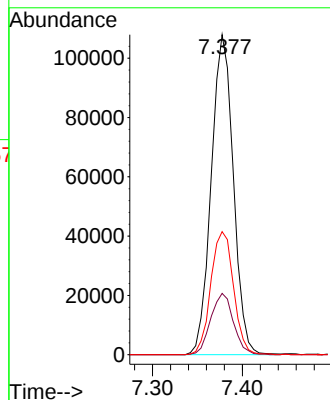
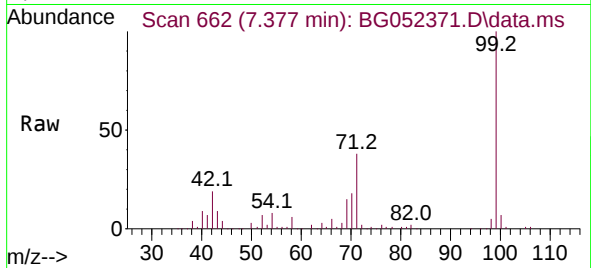
LOQ-SOIL-02-QT4-2021

Tgt Ion: 99 Resp: 18433
 Ion Ratio Lower Upper
 99 100
 42 19.1 19.1 28.7
 71 38.4 33.4 50.2

Manual Integrations

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#8

2-Chlorophenol

Concen: 8.632 ng

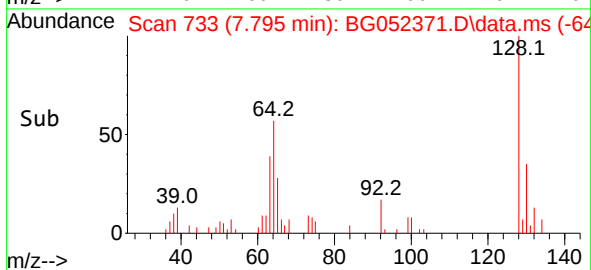
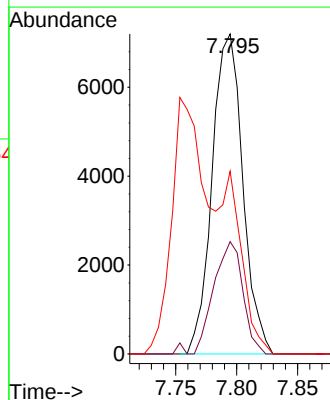
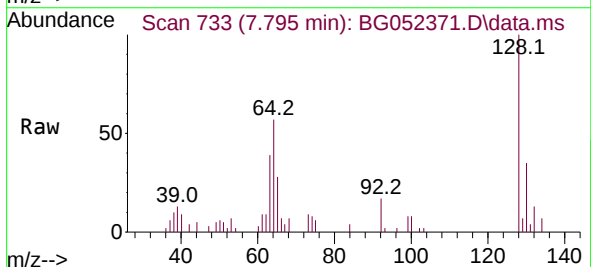
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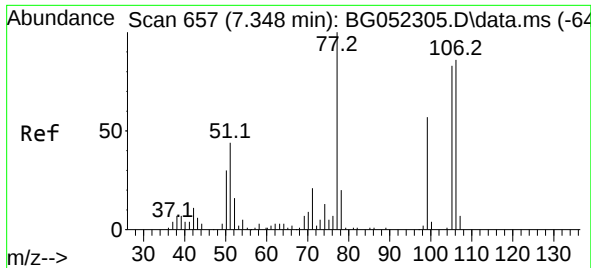
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Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

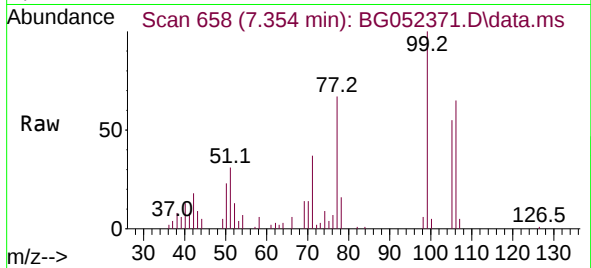
Tgt Ion:128 Resp: 12595
 Ion Ratio Lower Upper
 128 100
 130 35.1 13.6 53.6
 64 57.1 37.8 77.8





#9
Benzaldehyde
Concen: 11.690 ng
RT: 7.354 min Scan# 657
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

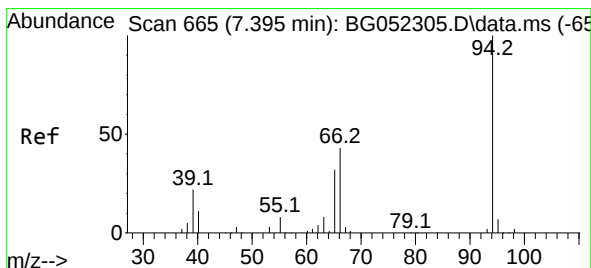
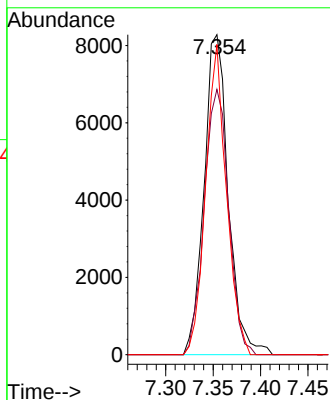
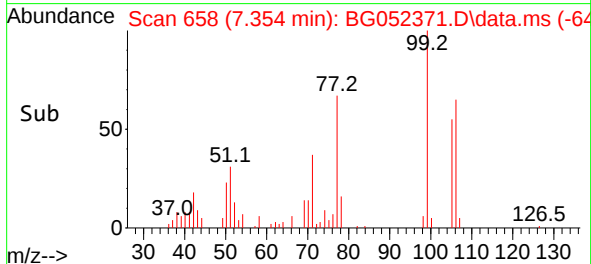
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



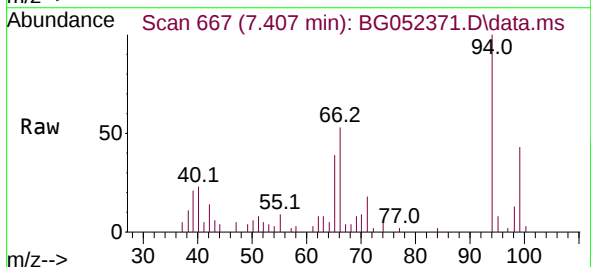
Tgt Ion: 77 Resp: 14680
Ion Ratio Lower Upper
77 100
105 82.9 66.1 106.1
106 96.9 58.1 98.1

Manual Integrations
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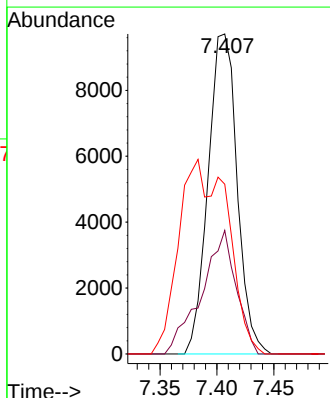
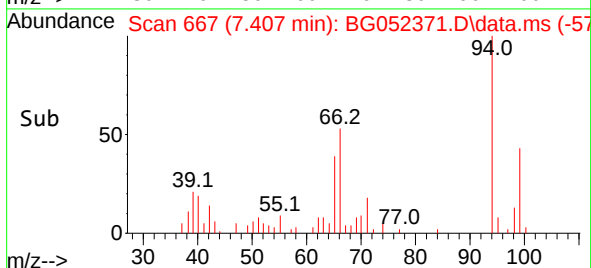
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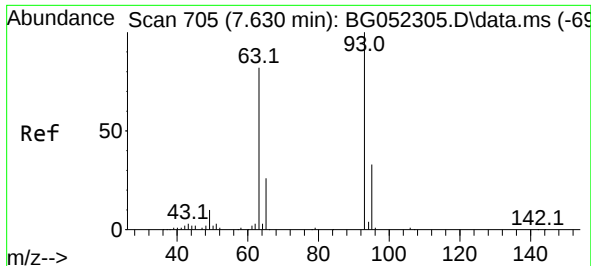


#10
Phenol
Concen: 8.486 ng
RT: 7.407 min Scan# 667
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



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





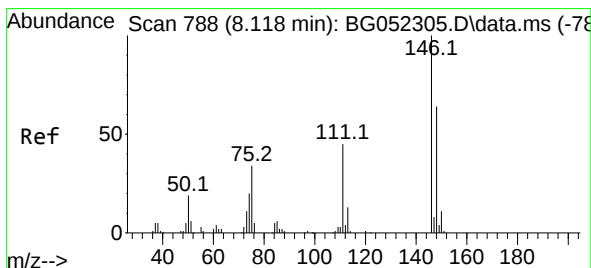
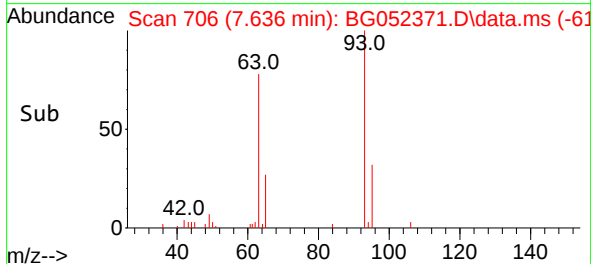
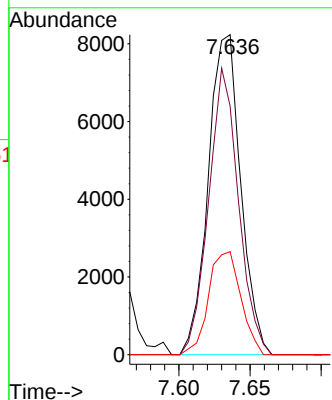
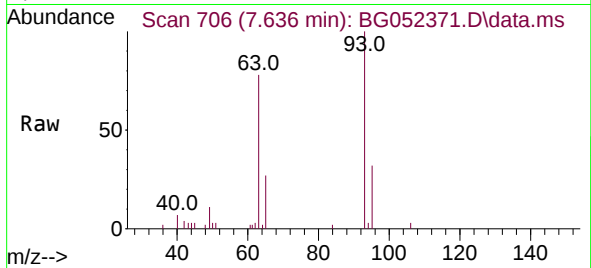
#11
bis(2-Chloroethyl)ether
Concen: 8.417 ng
RT: 7.636 min Scan# 705
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

Tgt Ion: 93 Resp: 1308
Ion Ratio Lower Upper
93 100
63 77.7 67.1 107.1
95 32.2 13.0 53.0

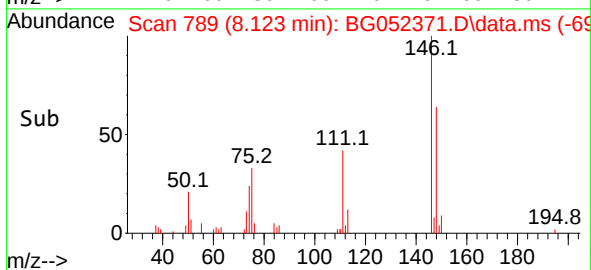
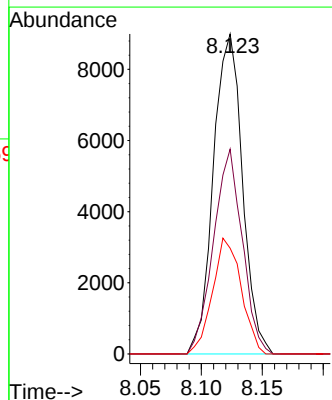
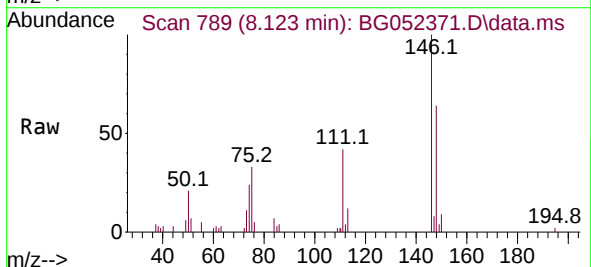
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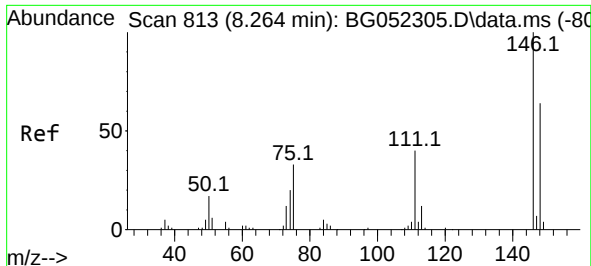
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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 :

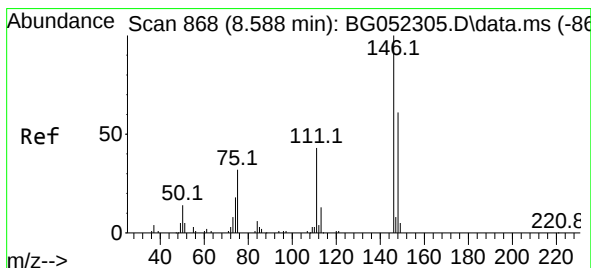
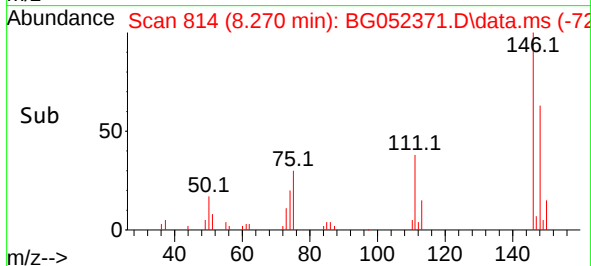
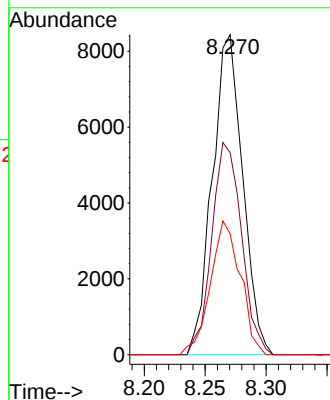
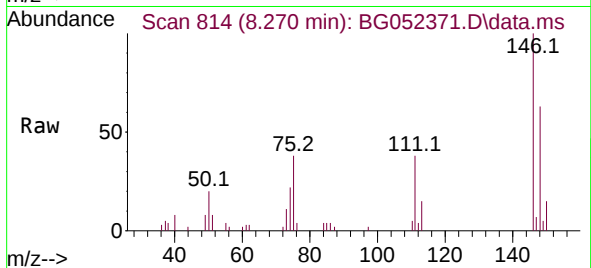
LOQ-SOIL-02-QT4-2021

Tgt Ion:	146	Resp:	1463
Ion Ratio	Lower	Upper	
146	100		
148	63.1	52.6	78.8
111	37.8	33.8	50.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#14

1,2-Dichlorobenzene

Concen: 8.660 ng

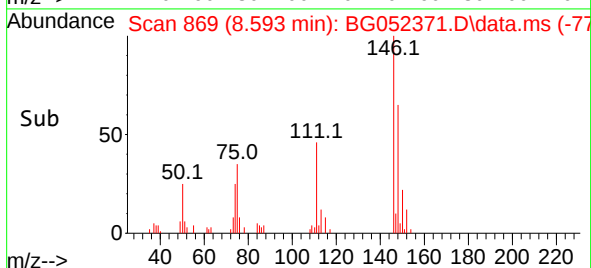
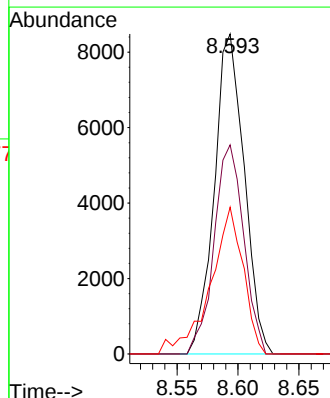
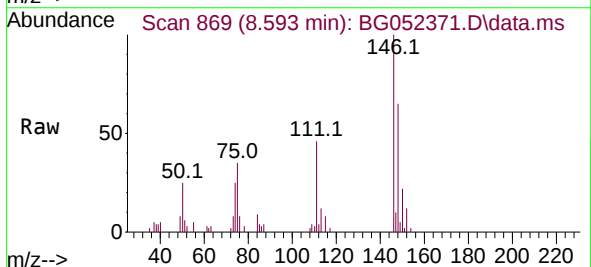
RT: 8.593 min Scan# 869

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

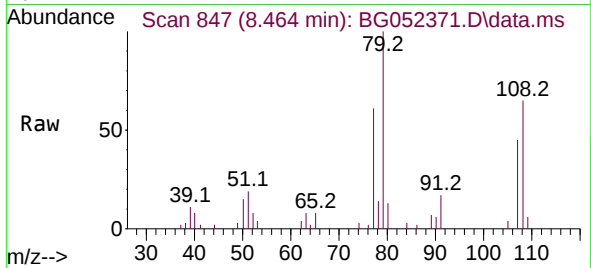
Tgt Ion:	146	Resp:	14474
Ion Ratio	Lower	Upper	
146	100		
148	65.4	46.5	69.7
111	45.9	37.0	55.4





#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

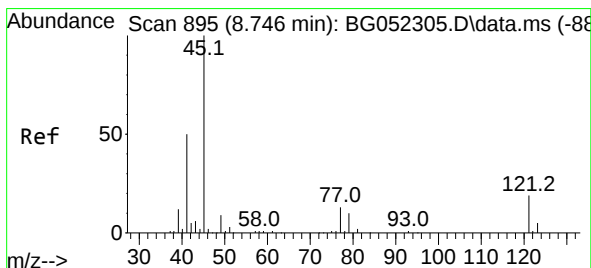
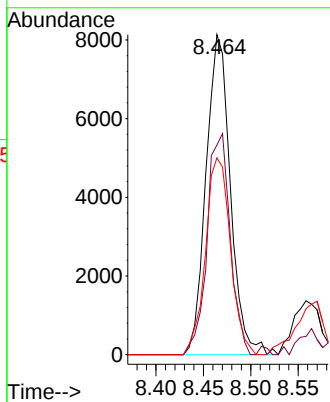
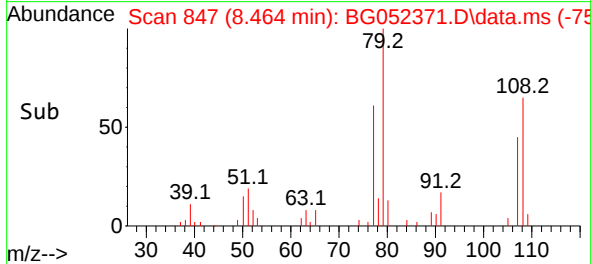
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



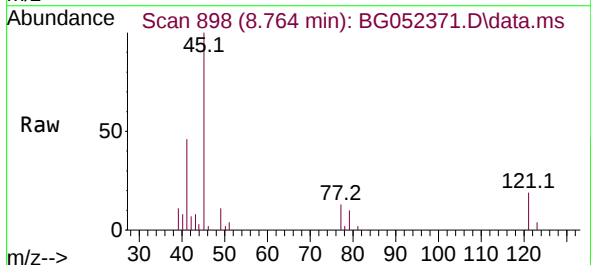
Tgt Ion: 79 Resp: 14539
Ion Ratio Lower Upper
79 100
108 65.5 53.8 80.6
77 61.5 54.4 81.6

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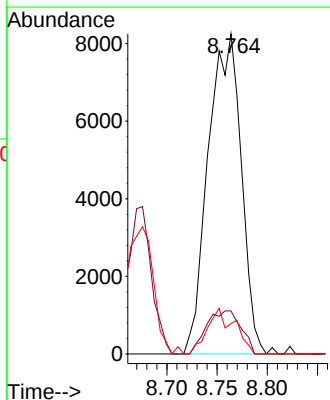
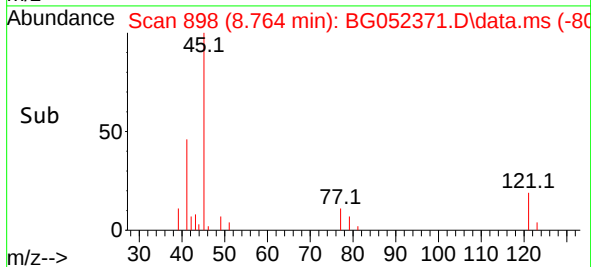
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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



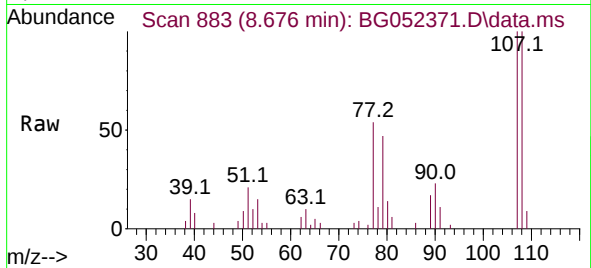
Tgt Ion: 45 Resp: 18884
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.8
79 9.5 0.0 31.1





#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

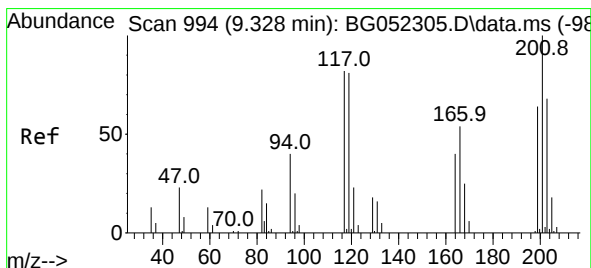
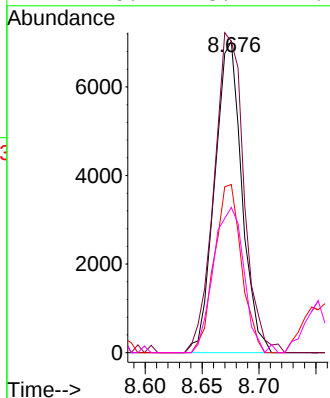
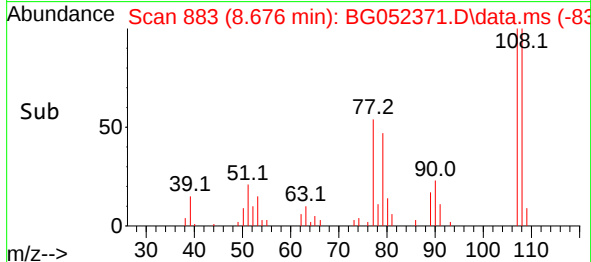
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:107 Resp: 1168
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#

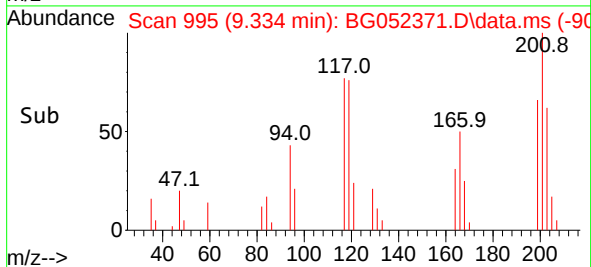
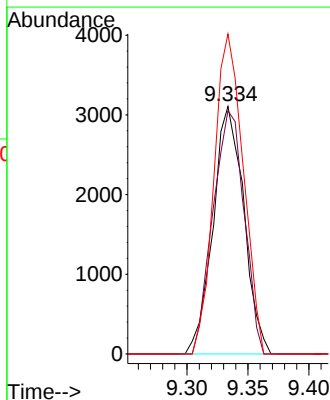
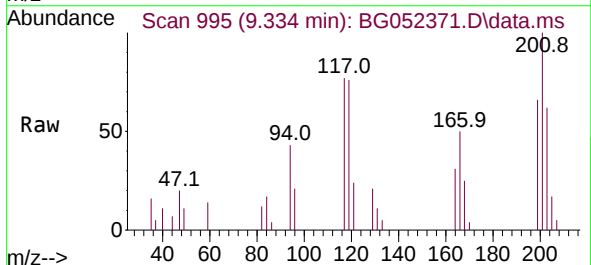
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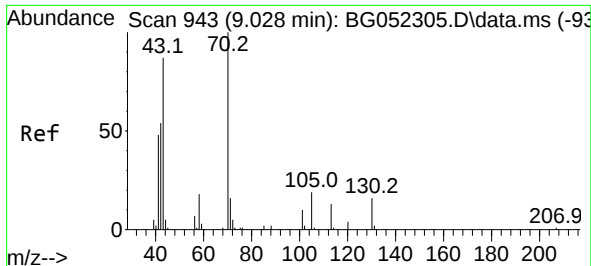
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

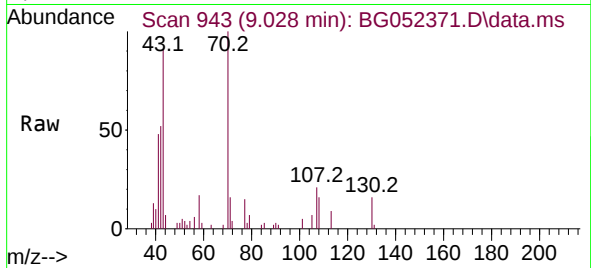
Tgt Ion:117 Resp: 5455
Ion Ratio Lower Upper
117 100
119 98.2 73.5 110.3
201 129.3 91.0 136.6





#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

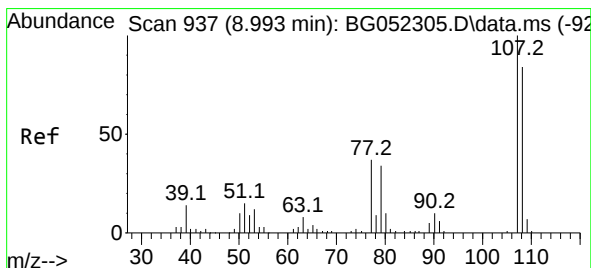
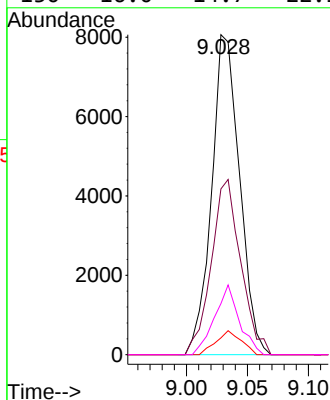
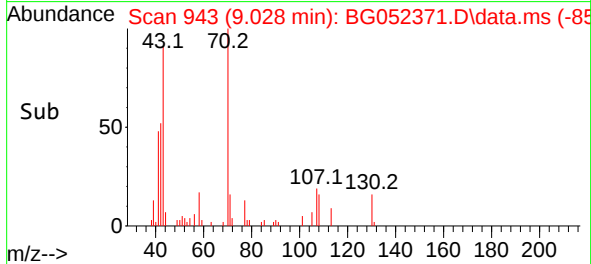
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



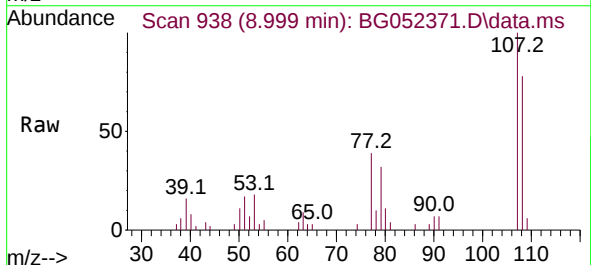
Tgt Ion: 70 Resp: 12850
Ion Ratio Lower Upper
70 100
42 51.8 51.8 77.6
101 5.2 6.6 10.0
130 16.0 14.7 22.1

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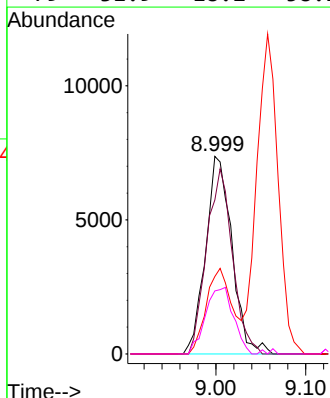
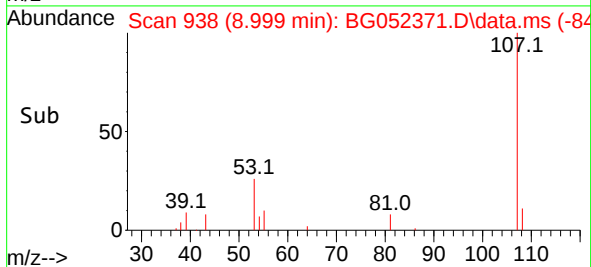
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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



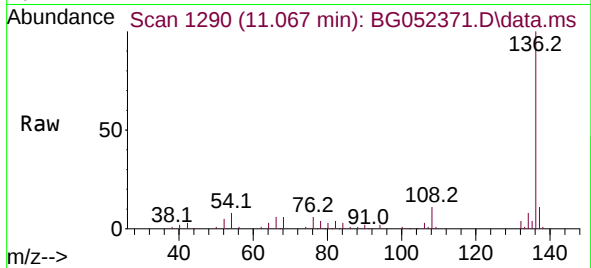
Tgt Ion:107 Resp: 14996
Ion Ratio Lower Upper
107 100
108 77.9 71.9 111.9
77 39.2 24.6 64.6
79 31.9 18.2 58.2





#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

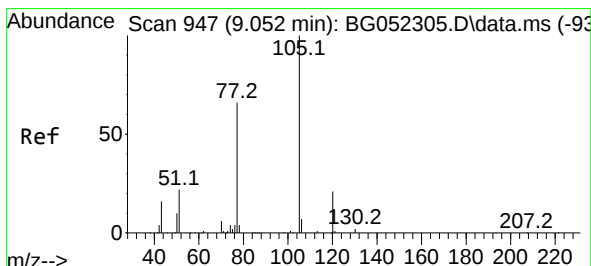
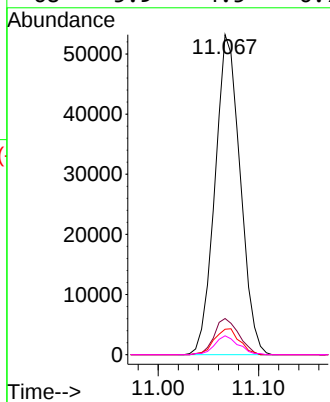
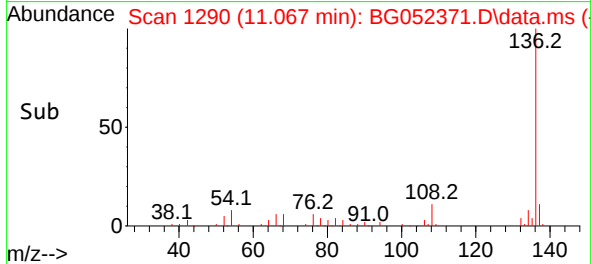
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

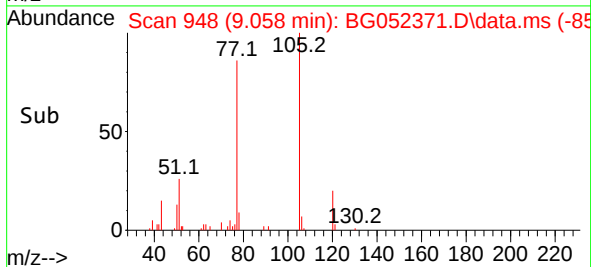
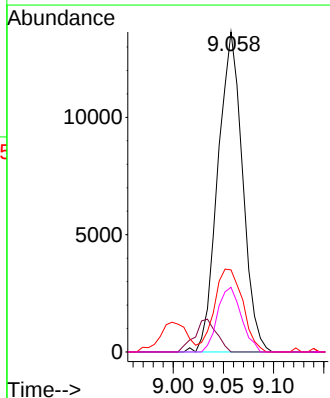
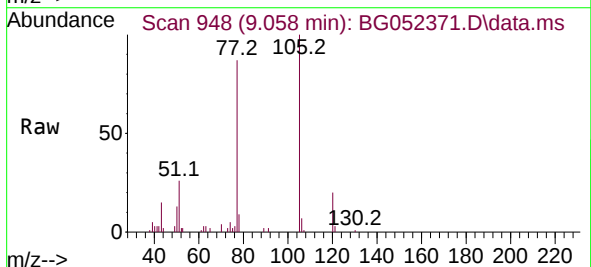
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

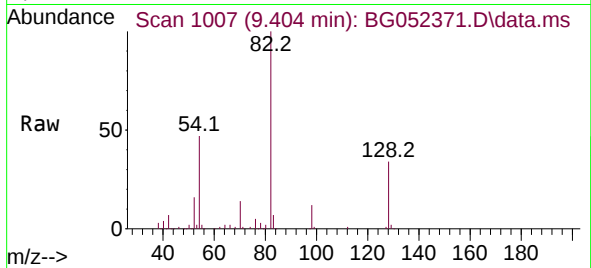
Tgt Ion:105 Resp: 23265
Ion Ratio Lower Upper
105 100
71 0.0 1.8 2.6#
51 25.7 27.0 40.4#
120 20.2 16.2 24.4





#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

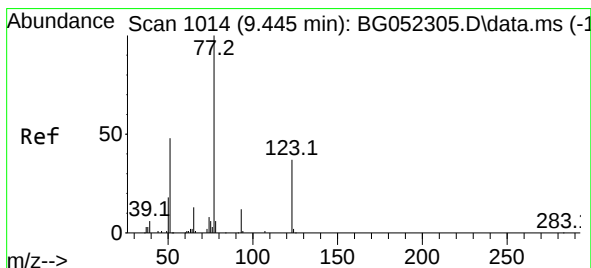
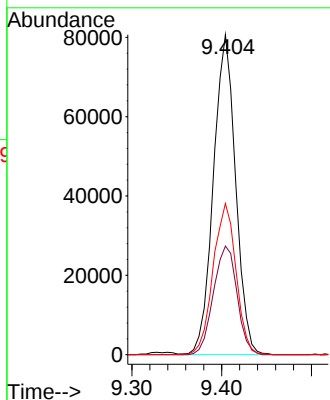
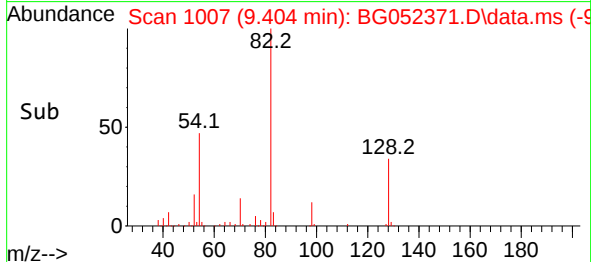
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

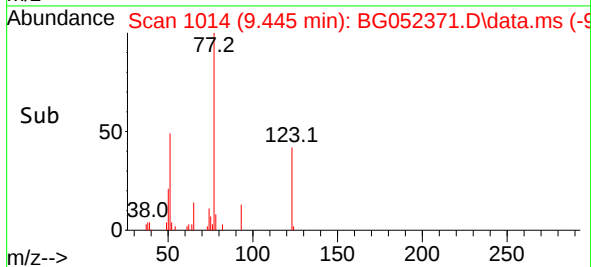
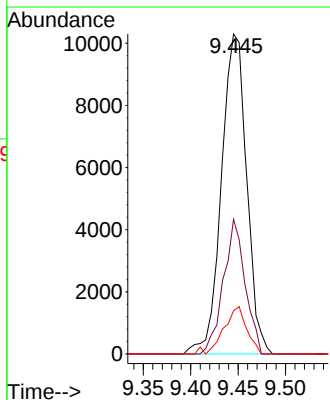
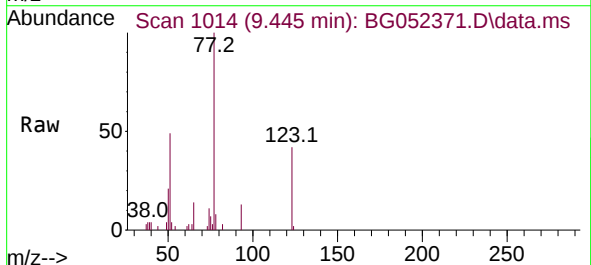
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Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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





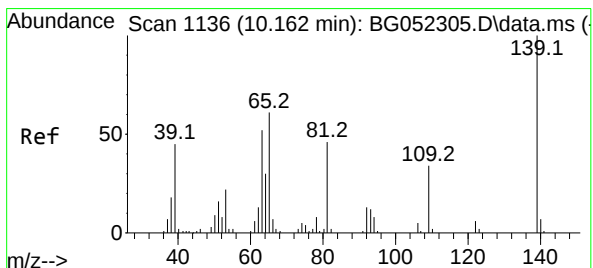
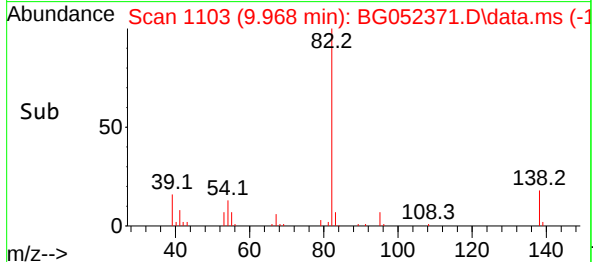
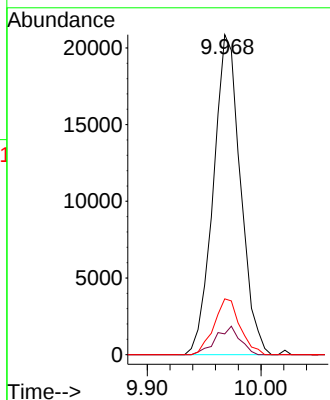
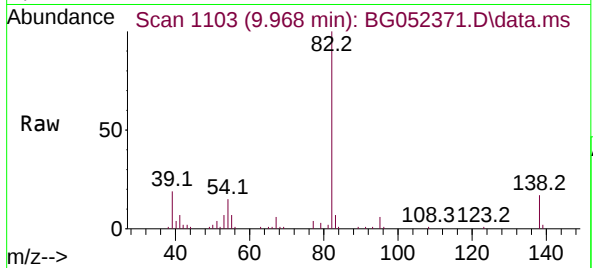
#25
Isophorone
Concen: 9.508 ng
RT: 9.968 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

Tgt Ion: 82 Resp: 3455
Ion Ratio Lower Upper
82 100
95 6.5 6.6 9.8
138 17.4 12.5 18.7

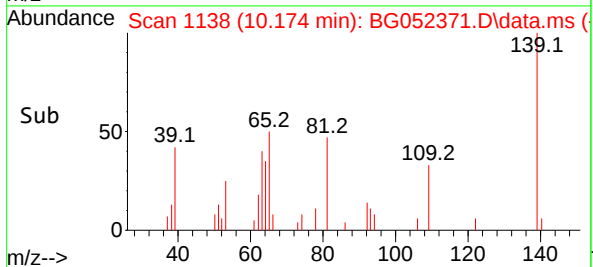
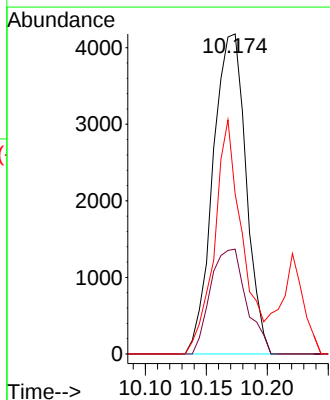
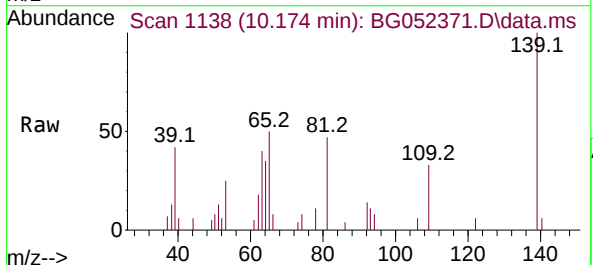
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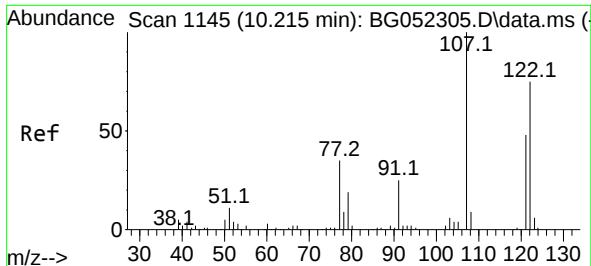
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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 :

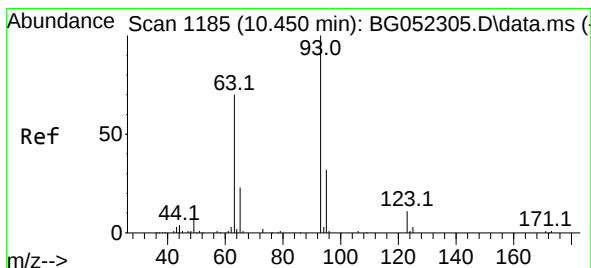
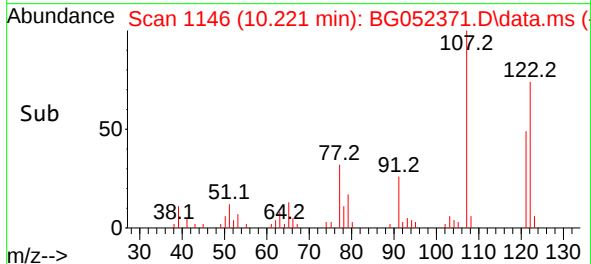
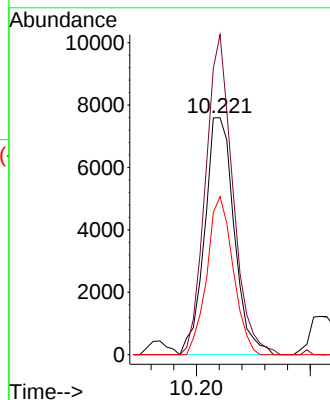
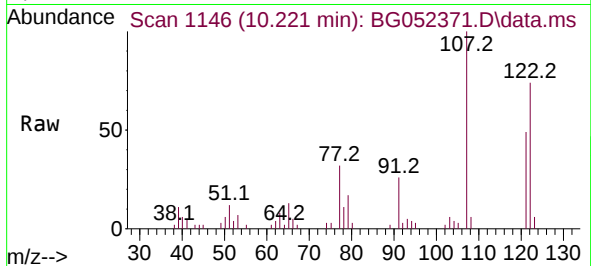
LOQ-SOIL-02-QT4-2021

Tgt Ion:122 Resp: 1368
 Ion Ratio Lower Upper
 122 100
 107 135.1 105.8 158.8
 121 66.8 48.6 72.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#28

bis(2-Chloroethoxy)methane

Concen: 9.223 ng

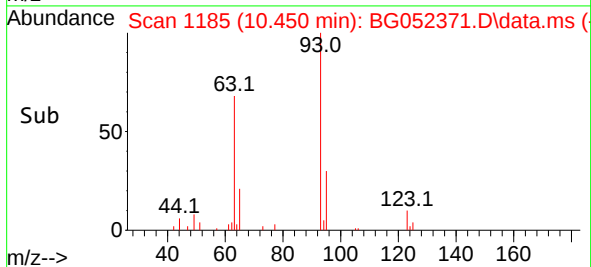
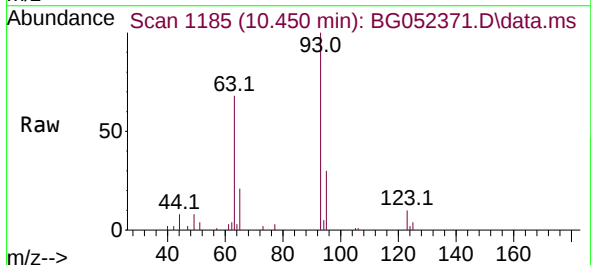
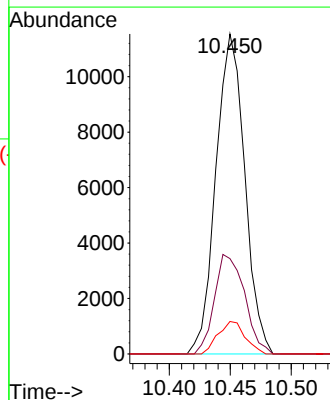
RT: 10.450 min Scan# 1185

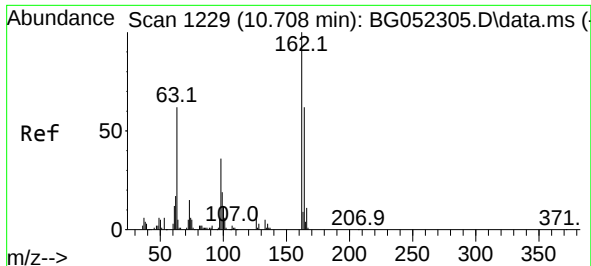
Delta R.T. 0.000 min

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 :

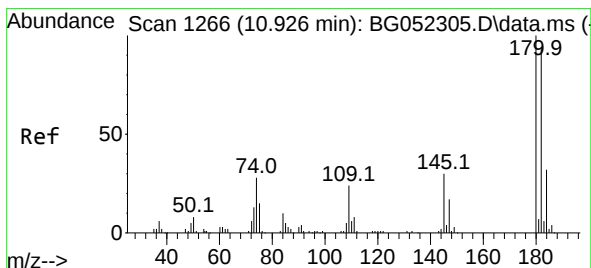
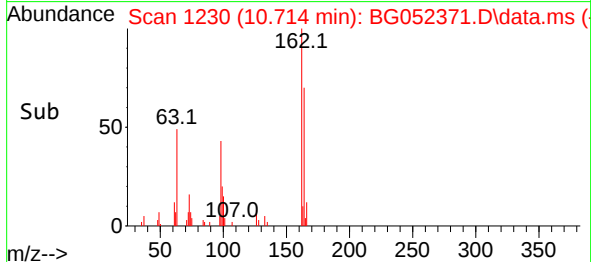
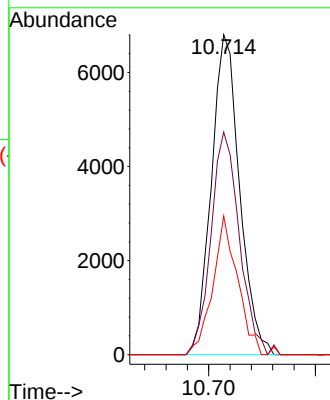
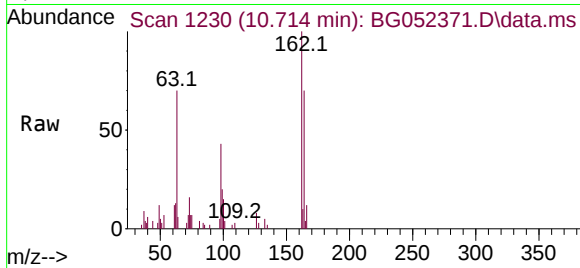
LOQ-SOIL-02-QT4-2021

Tgt Ion:	162	Resp:	1249
Ion Ratio	Lower	Upper	
162	100		
164	69.5	44.3	84.3
98	43.3	17.2	57.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.926 ng

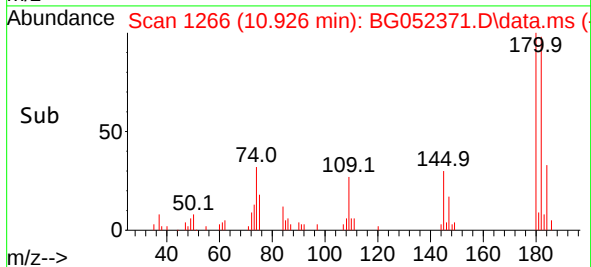
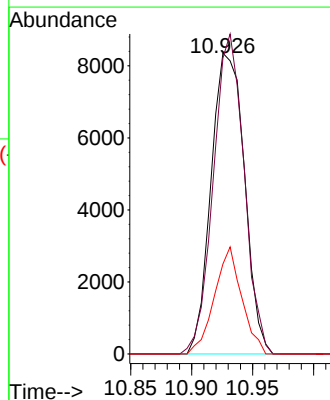
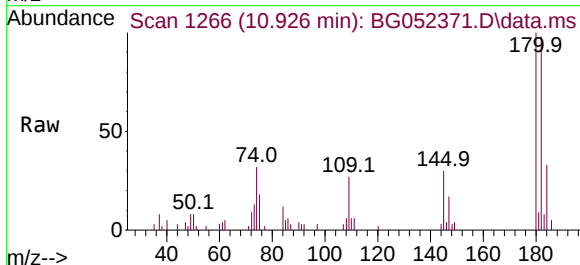
RT: 10.926 min Scan# 1266

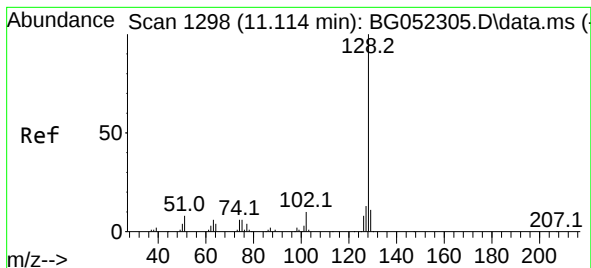
Delta R.T. 0.000 min

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# 11

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

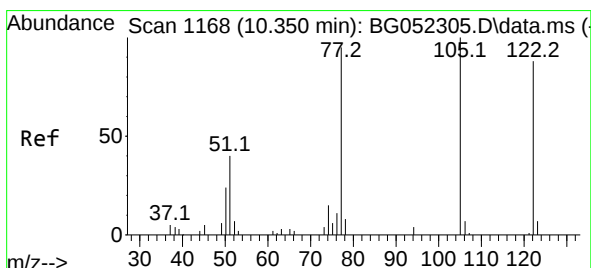
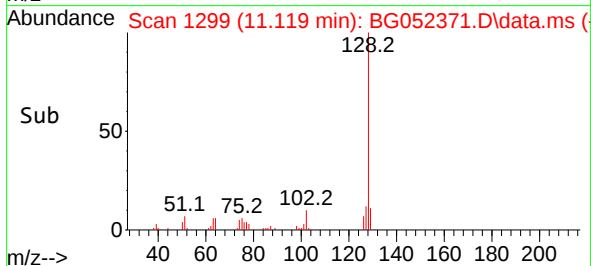
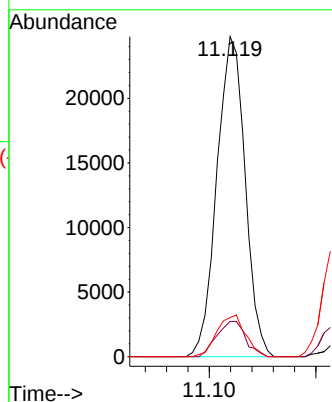
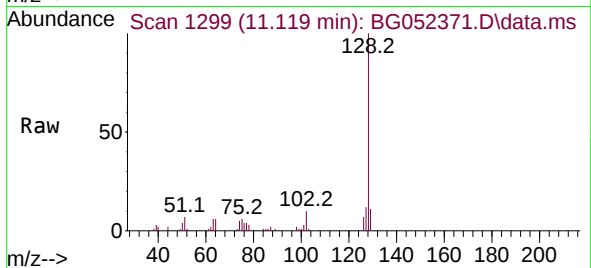
LOQ-SOIL-02-QT4-2021

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#32

Benzoic acid

Concen: 6.751 ng m

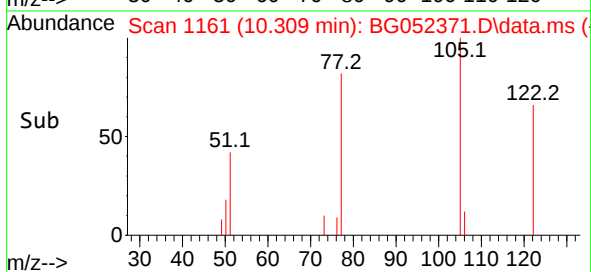
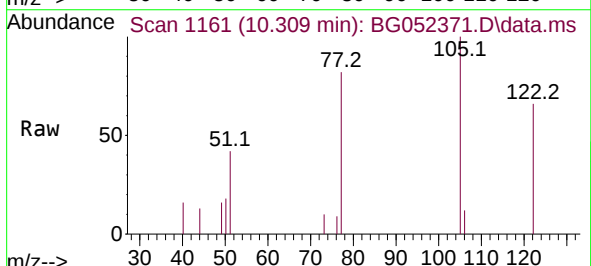
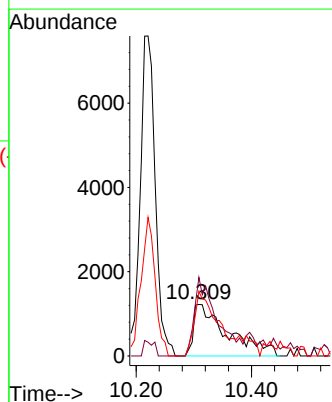
RT: 10.309 min Scan# 1161

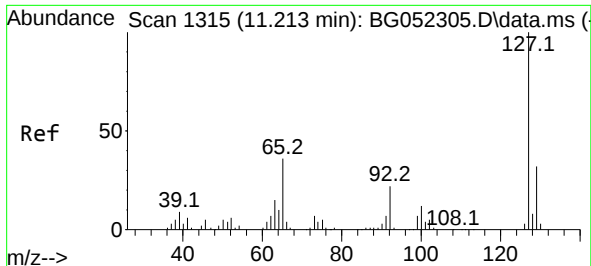
Delta R.T. -0.041 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

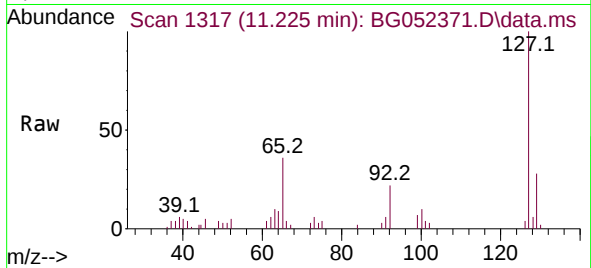
Tgt Ion:122 Resp: 5042
 Ion Ratio Lower Upper
 122 100
 105 152.2 109.2 149.2#
 77 124.9 92.8 132.8





#33
4-Chloroaniline
Concen: 9.493 ng
RT: 11.225 min Scan# 1317
Delta R.T. 0.012 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

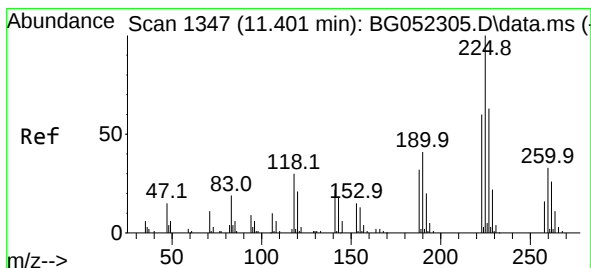
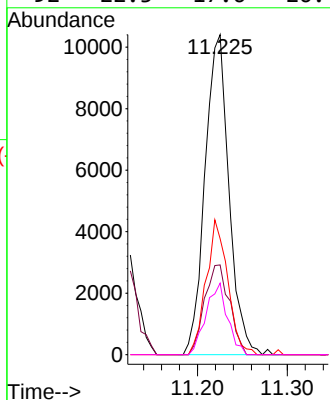
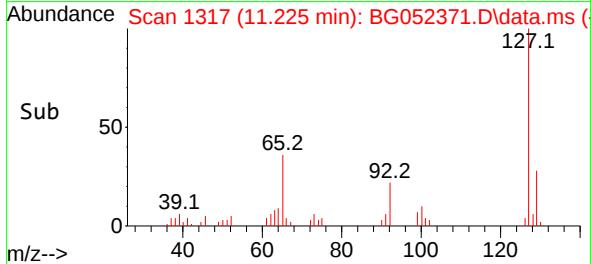
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



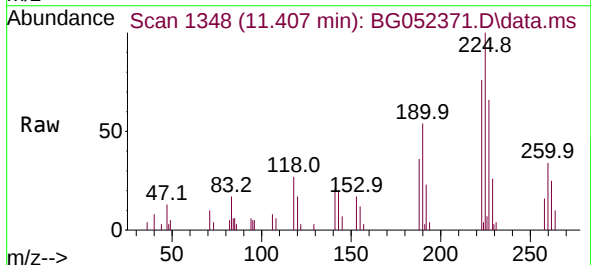
Tgt Ion:127 Resp: 19290
Ion Ratio Lower Upper
127 100
129 28.1 27.0 40.6
65 36.3 28.7 43.1
92 22.3 17.6 26.4

Manual Integrations
APPROVED

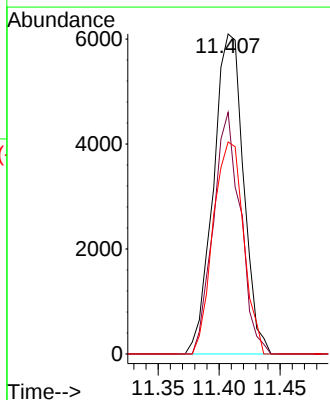
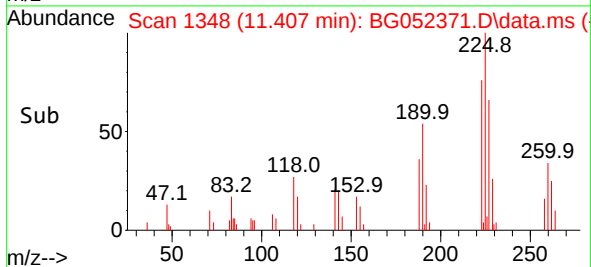
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

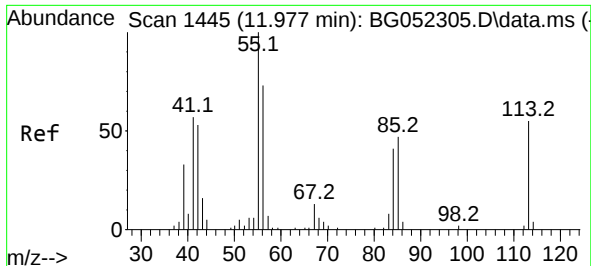


#34
Hexachlorobutadiene
Concen: 8.723 ng
RT: 11.407 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



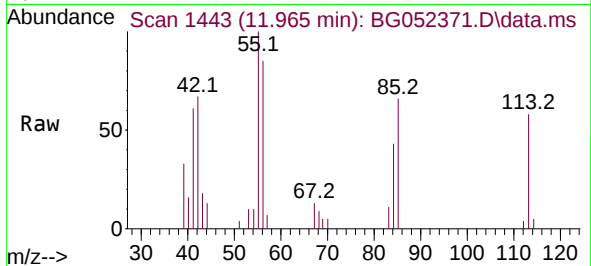
Tgt Ion:225 Resp: 10485
Ion Ratio Lower Upper
225 100
223 75.5 51.6 77.4
227 66.2 53.9 80.9





#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

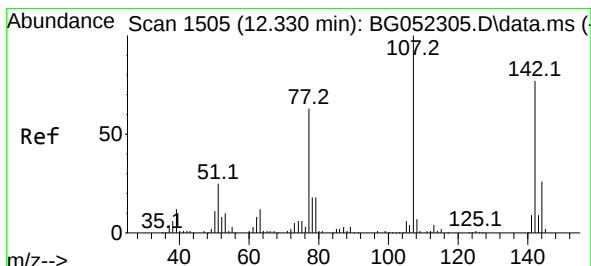
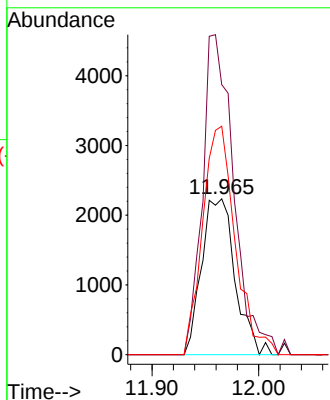
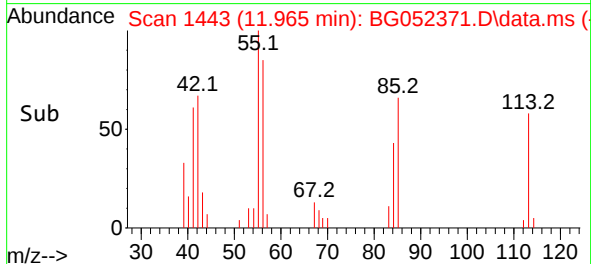
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



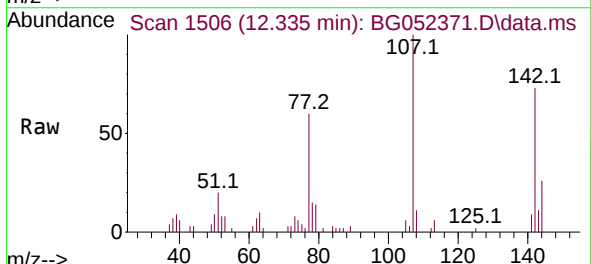
Tgt Ion:113 Resp: 487
Ion Ratio Lower Upper
113 100
55 173.3 161.4 201.4
56 146.6 132.6 172.6

Manual Integrations
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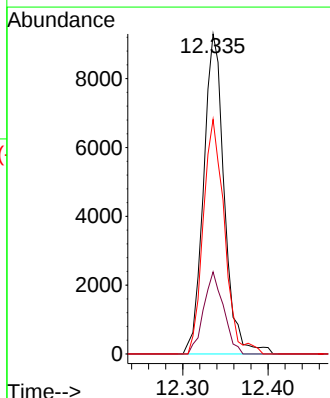
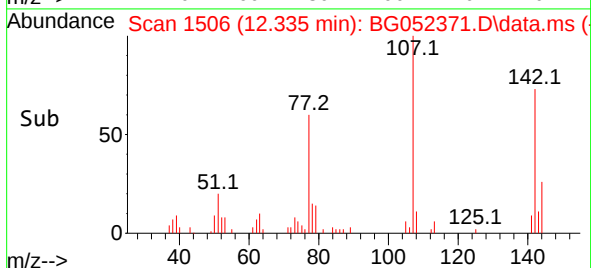
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

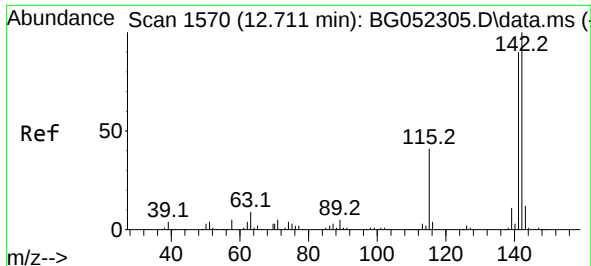


#36
4-Chloro-3-methylphenol
Concen: 9.040 ng
RT: 12.335 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



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





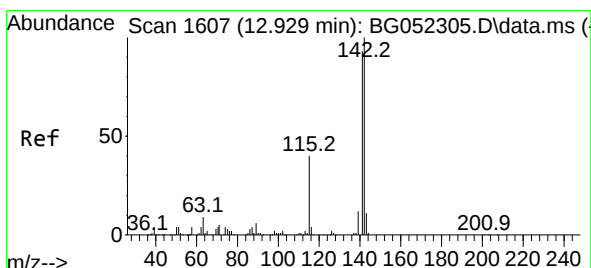
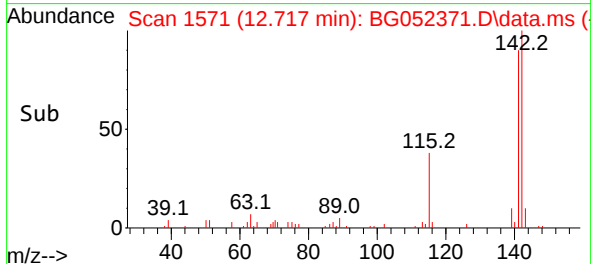
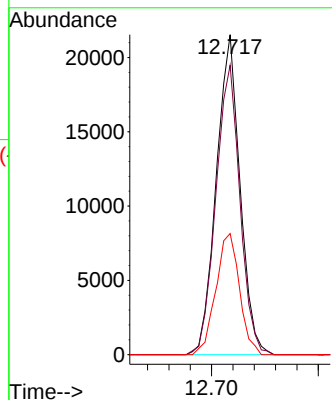
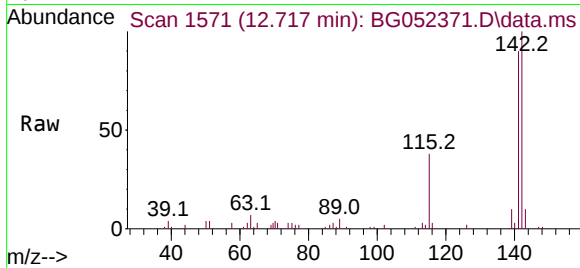
#37
2-Methylnaphthalene
Concen: 9.168 ng
RT: 12.717 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

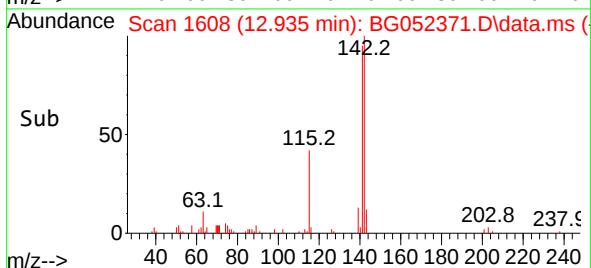
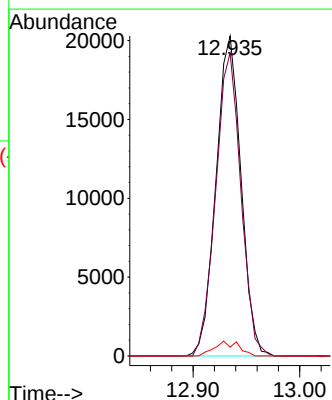
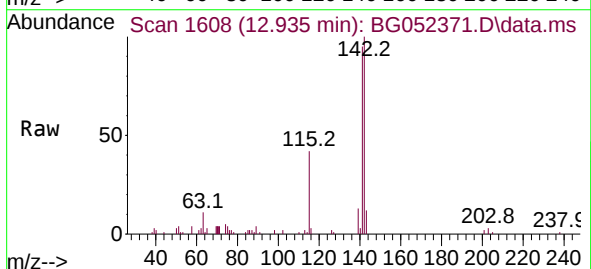
Manual Integrations
APPROVED

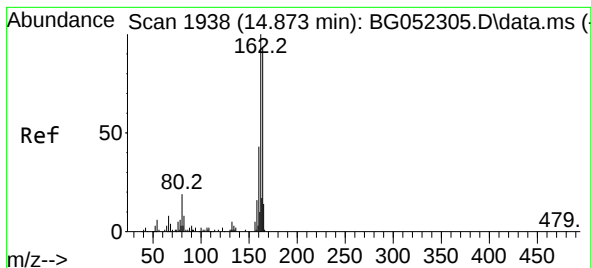
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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 :

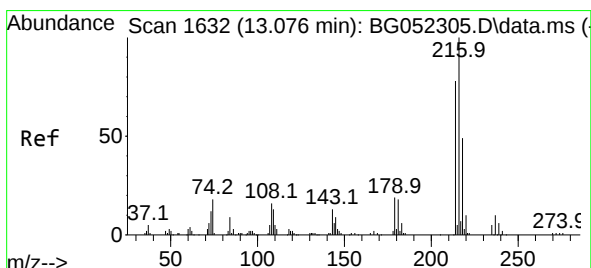
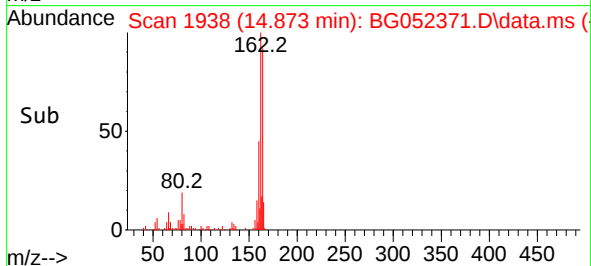
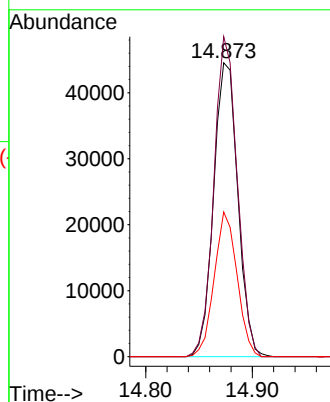
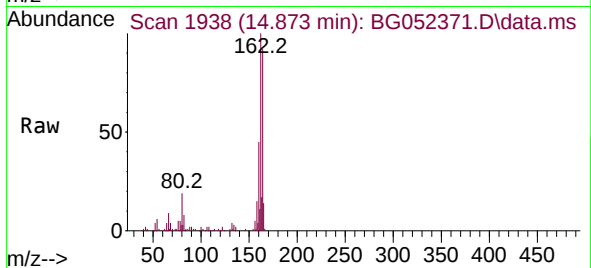
LOQ-SOIL-02-QT4-2021

Tgt Ion:	164	Resp:	7025
Ion Ratio	Lower	Upper	
164	100		
162	108.9	82.2	123.2
160	49.2	36.2	54.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.224 ng

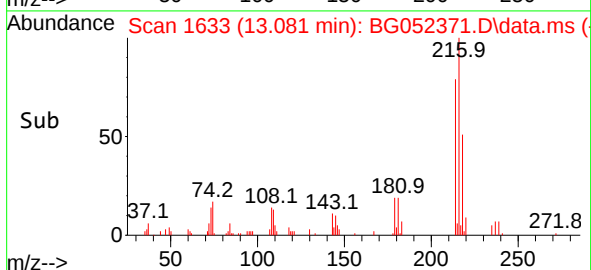
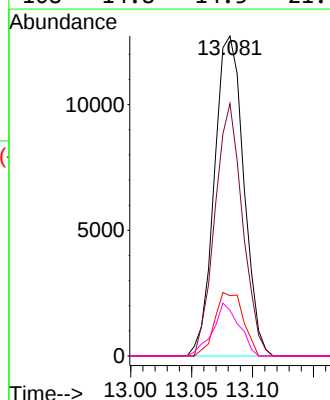
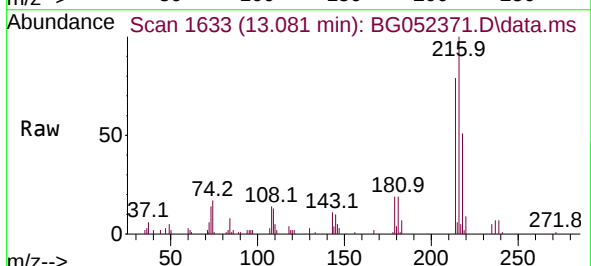
RT: 13.081 min Scan# 1633

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

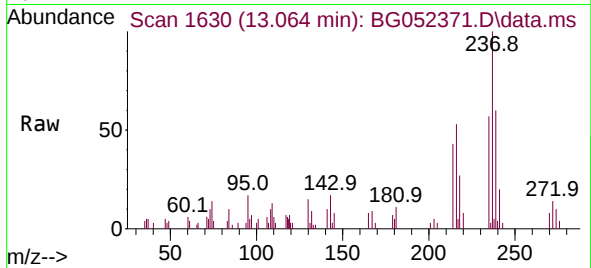
Tgt Ion:	216	Resp:	21315
Ion Ratio	Lower	Upper	
216	100		
214	74.3	63.2	94.8
179	19.2	16.3	24.5
108	14.8	14.5	21.7





#41
Hexachlorocyclopentadiene
Concen: 9.640 ng
RT: 13.064 min Scan# 1630
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

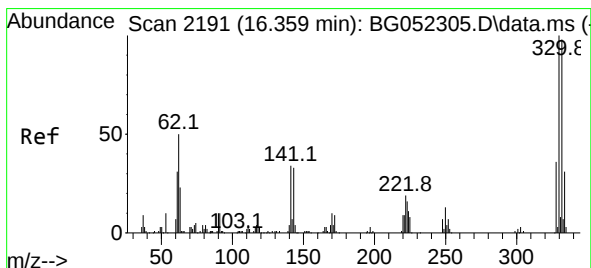
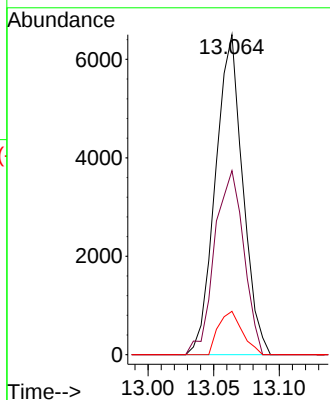
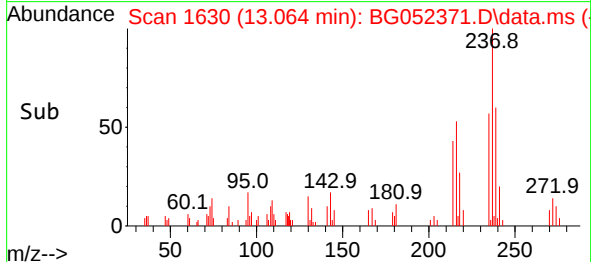
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



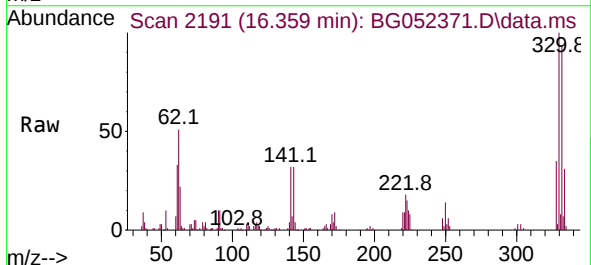
Tgt Ion:237 Resp: 940
Ion Ratio Lower Upper
237 100
235 57.5 45.9 85.9
272 13.5 0.0 33.0

Manual Integrations
APPROVED

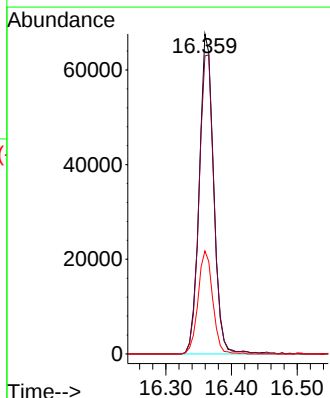
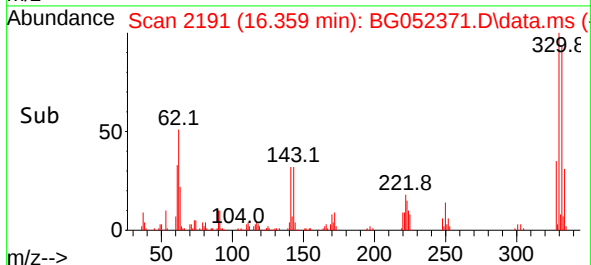
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

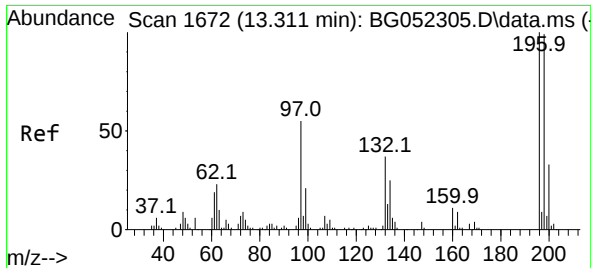


#42
2,4,6-Tribromophenol
Concen: 102.066 ng
RT: 16.359 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



Tgt Ion:330 Resp: 103018
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: 7.967 ng m

RT: 13.316 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

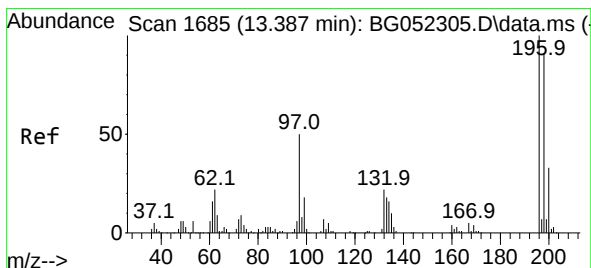
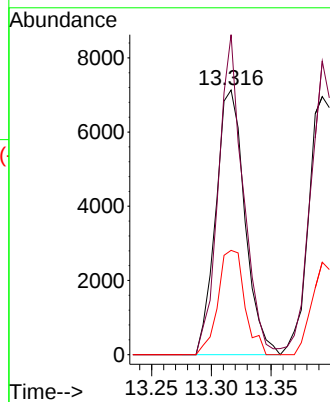
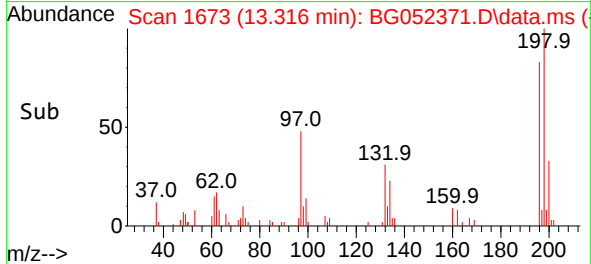
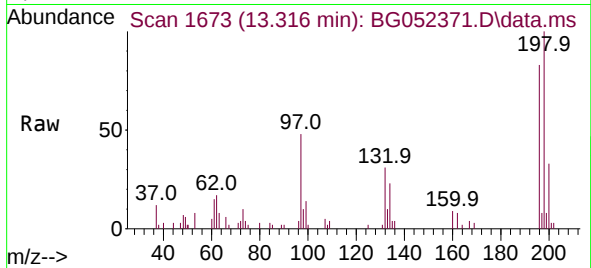
LOQ-SOIL-02-QT4-2021

Tgt Ion:196	Resp:	12040
Ion Ratio	Lower	Upper
196	100	
198	120.9	78.4 117.6
200	39.4	28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#44

2,4,5-Trichlorophenol

Concen: 8.221 ng

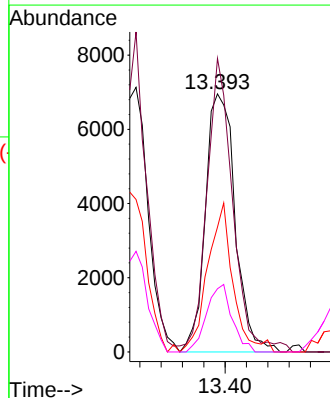
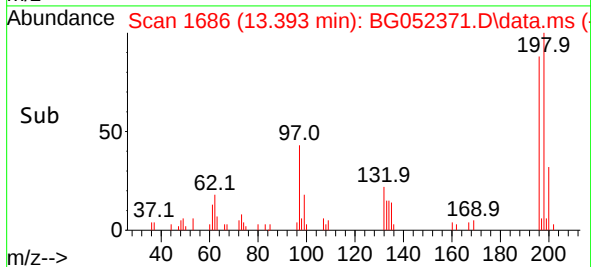
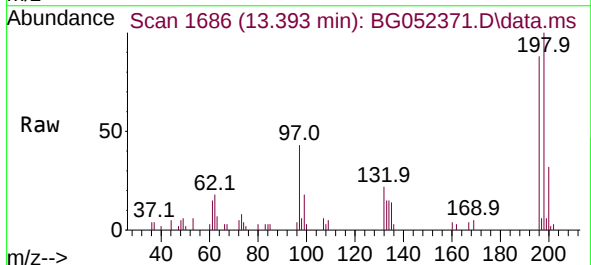
RT: 13.393 min Scan# 1686

Delta R.T. 0.006 min

Lab File: BG052371.D

Acq: 11 Feb 2022 15:39

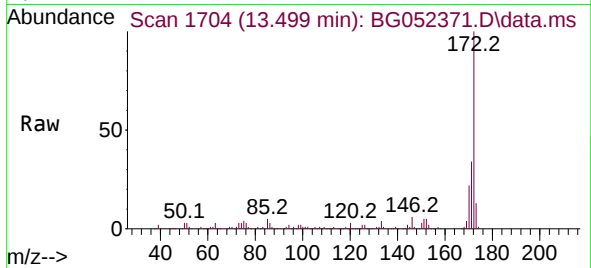
Tgt Ion:196	Resp:	13464
Ion Ratio	Lower	Upper
196	100	
198	113.7	78.6 118.0
97	48.4	43.8 65.8
132	24.5	19.0 28.6





#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

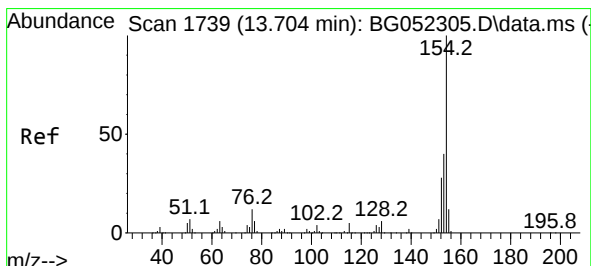
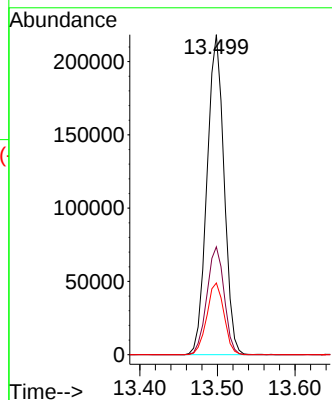
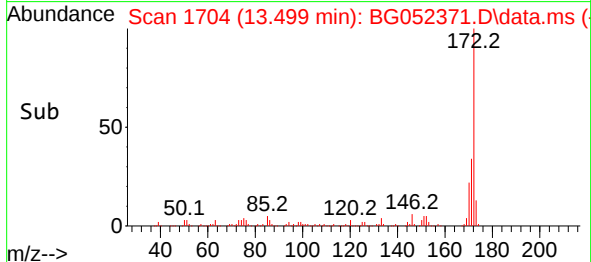
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



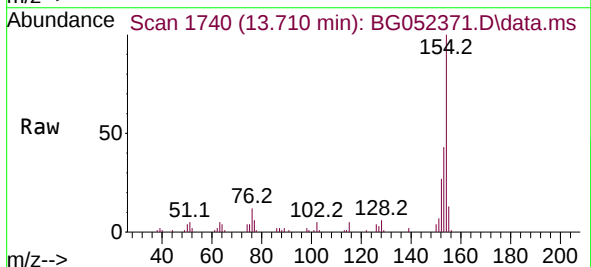
Tgt Ion:172 Resp: 332538
Ion Ratio Lower Upper
172 100
171 33.7 28.3 42.5
170 22.4 18.3 27.5

Manual Integrations
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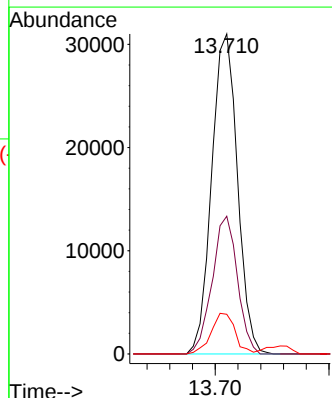
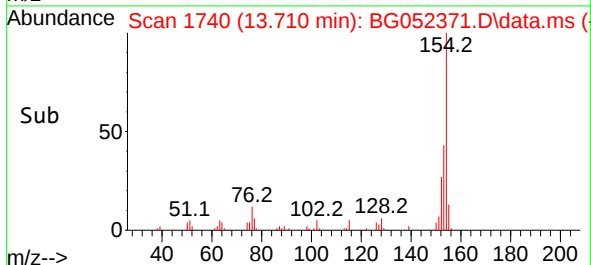
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

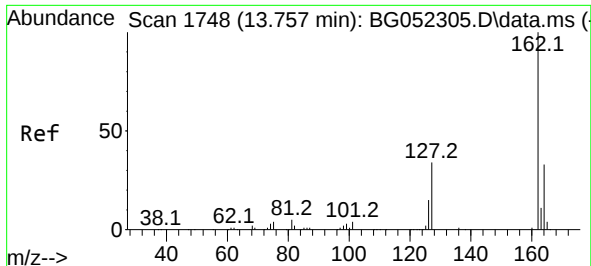


#46
1,1'-Biphenyl
Concen: 9.460 ng
RT: 13.710 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



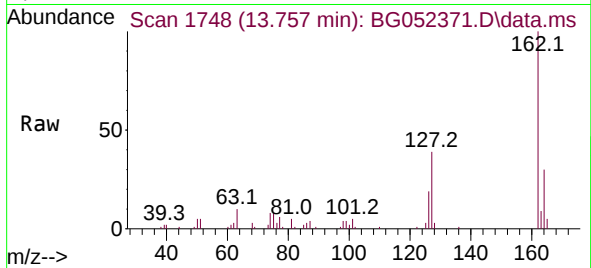
Tgt Ion:154 Resp: 48736
Ion Ratio Lower Upper
154 100
153 43.1 21.1 61.1
76 12.4 0.0 32.6





#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

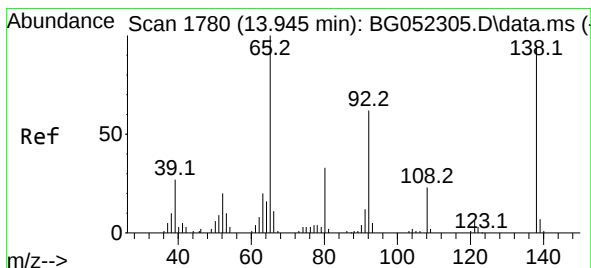
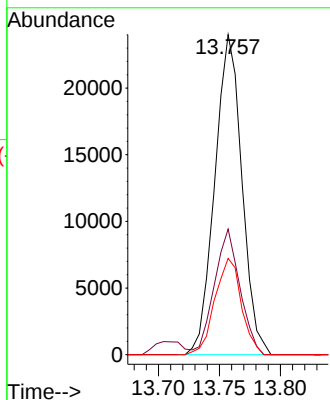
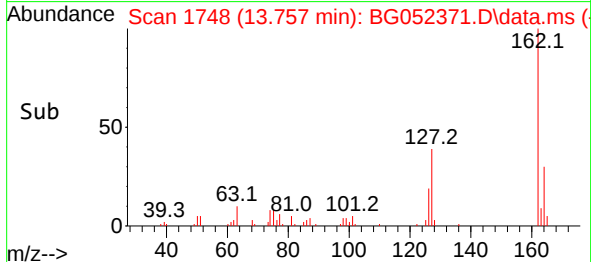


Tgt Ion: 162 Resp: 37085

Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.4	45.6
164	30.1	25.0	37.4

Manual Integrations
APPROVED

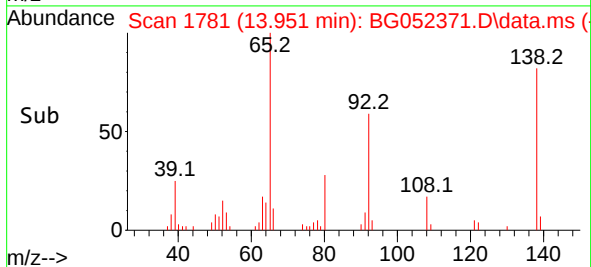
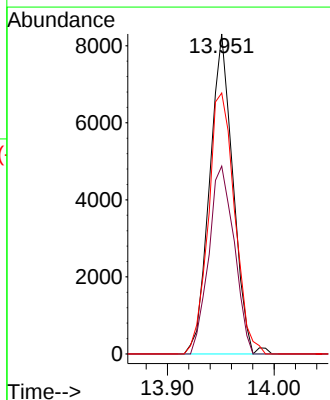
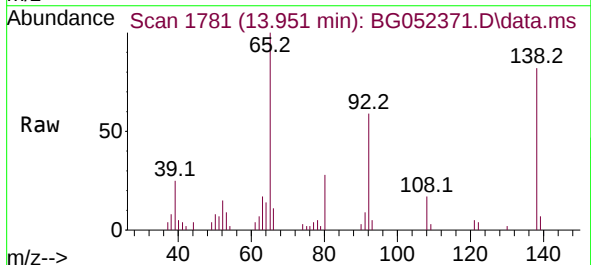
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

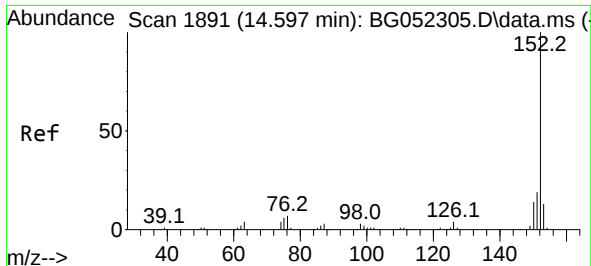


#48
2-Nitroaniline
Concen: 8.920 ng
RT: 13.951 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

Tgt Ion: 65 Resp: 12605

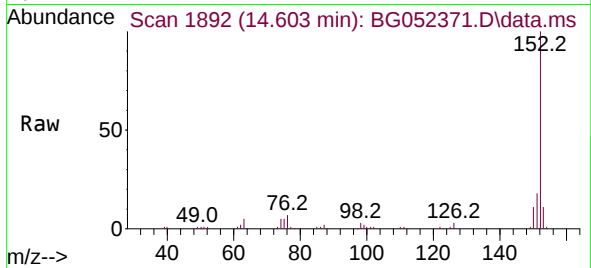
Ion	Ratio	Lower	Upper
65	100		
92	58.7	51.0	76.6
138	81.6	72.4	108.6





#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

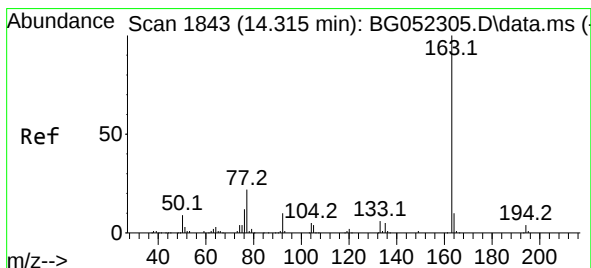
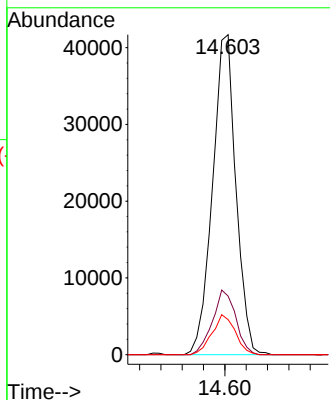
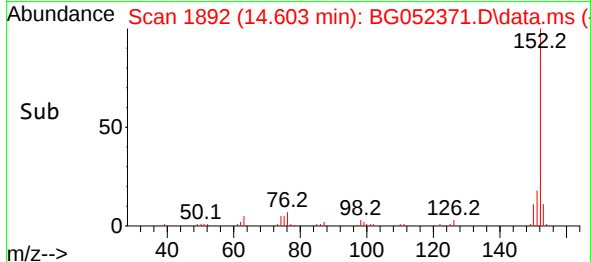
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



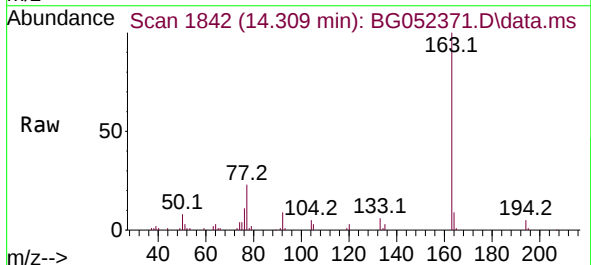
Tgt Ion:152 Resp: 63360
Ion Ratio Lower Upper
152 100
151 18.3 16.1 24.1
153 11.0 10.8 16.2

Manual Integrations
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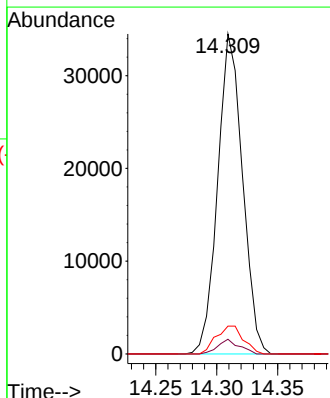
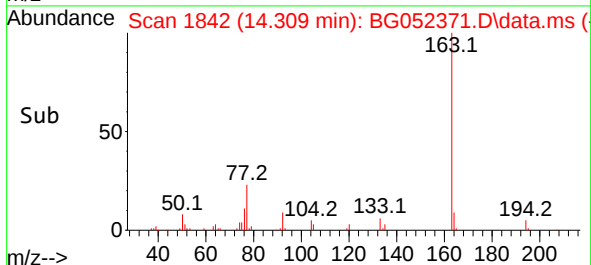
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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





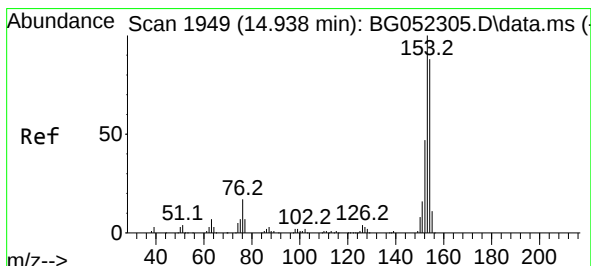
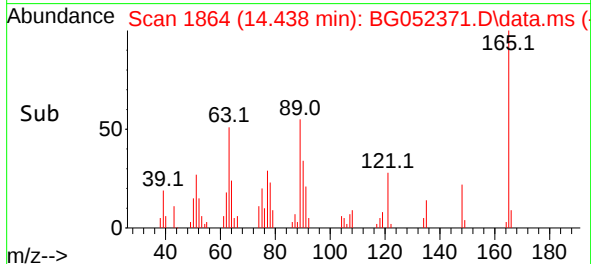
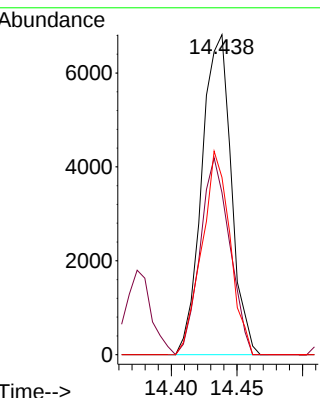
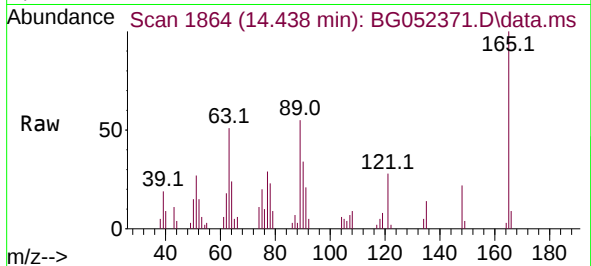
#51
2,6-Dinitrotoluene
Concen: 9.137 ng
RT: 14.438 min Scan# 1863
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

Tgt Ion:165 Resp: 1061
Ion Ratio Lower Upper
165 100
63 50.6 59.0 88.4
89 55.4 49.4 74.0

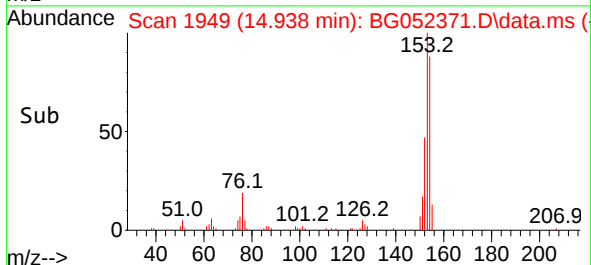
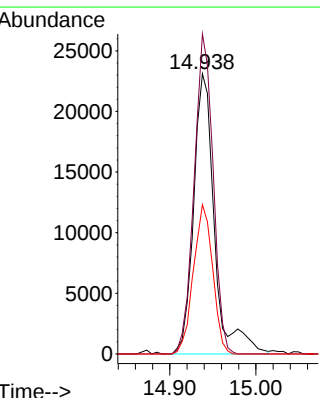
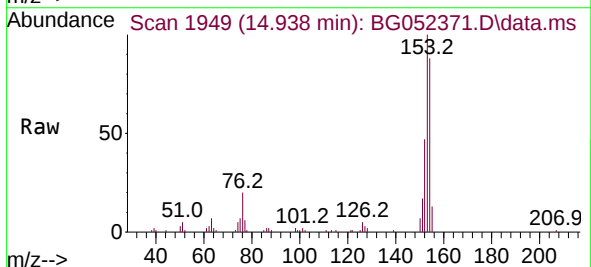
Manual Integrations
APPROVED

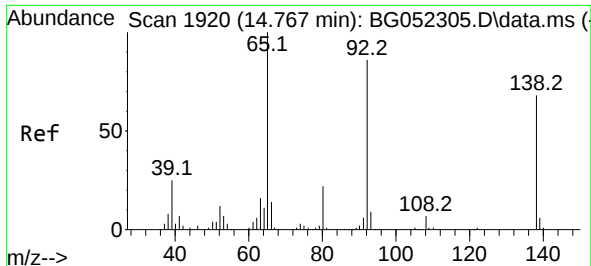
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#52
Acenaphthene
Concen: 9.177 ng m
RT: 14.938 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

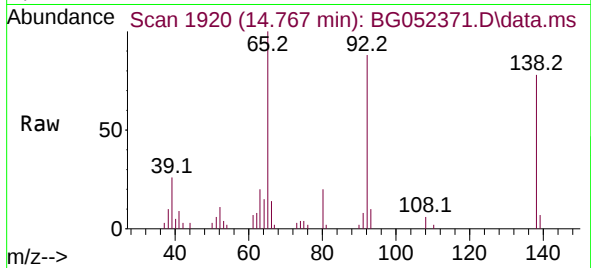
Tgt Ion:154 Resp: 38832
Ion Ratio Lower Upper
154 100
153 114.2 91.9 137.9
152 53.3 43.4 65.2





#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

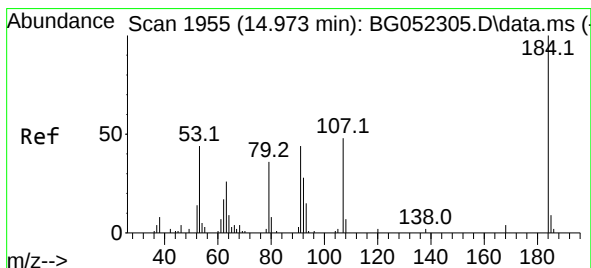
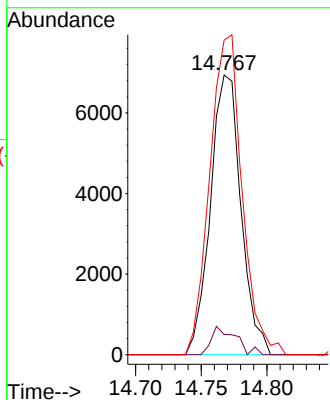
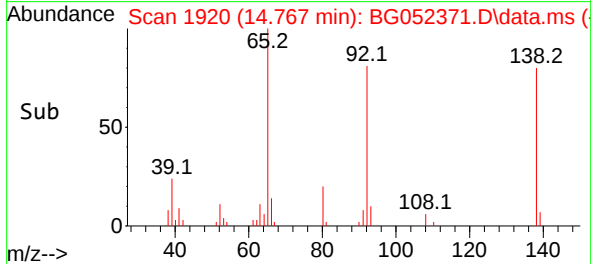
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



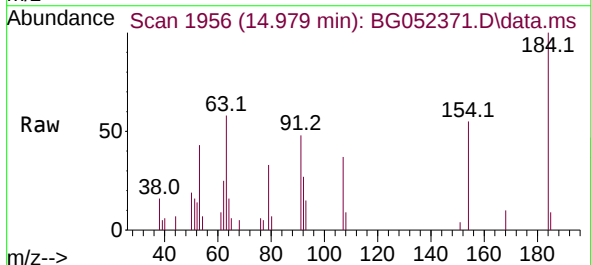
Tgt Ion:138 Resp: 1121
Ion Ratio Lower Upper
138 100
108 7.3 7.8 11.8
92 112.5 100.4 150.6

Manual Integrations
APPROVED

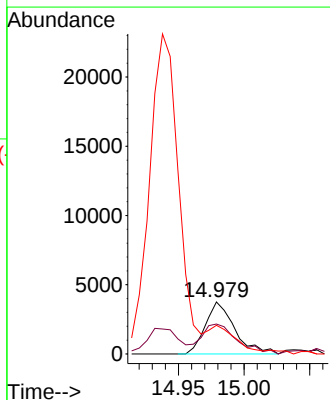
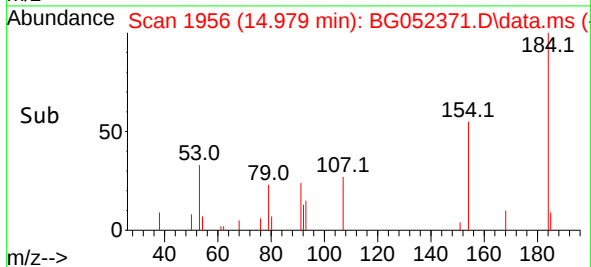
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

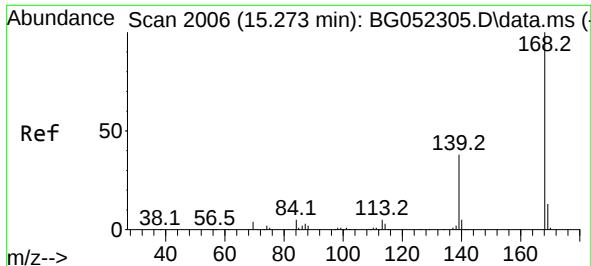


#54
2,4-Dinitrophenol
Concen: 9.260 ng
RT: 14.979 min Scan# 1956
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



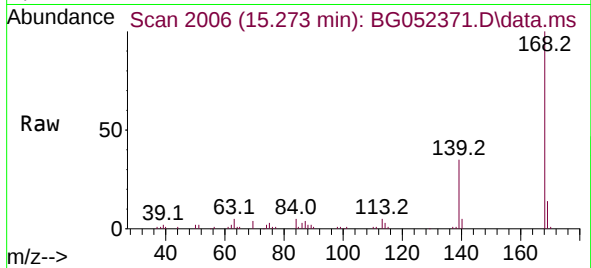
Tgt Ion:184 Resp: 5831
Ion Ratio Lower Upper
184 100
63 57.6 56.0 84.0
154 54.9 50.2 75.2





#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

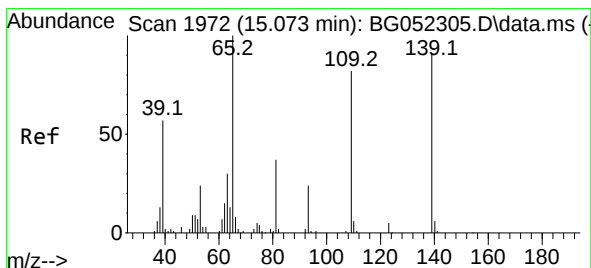
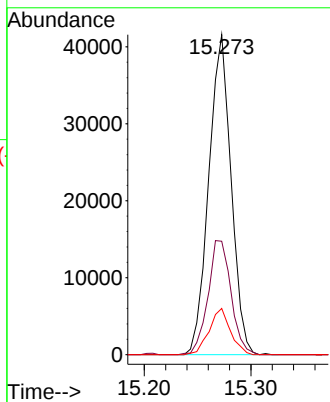
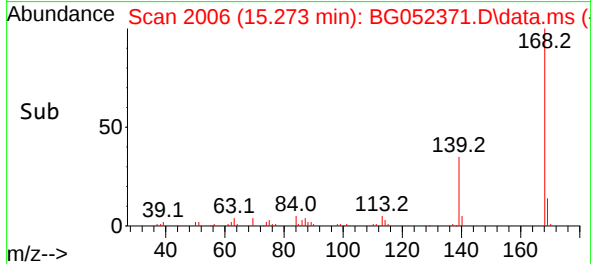
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

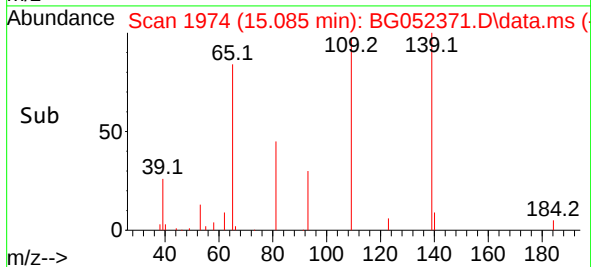
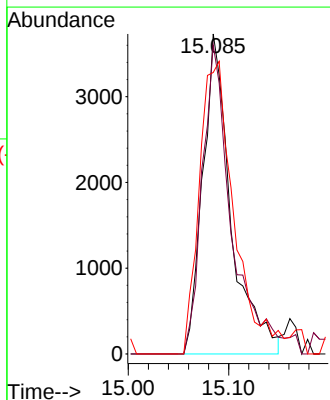
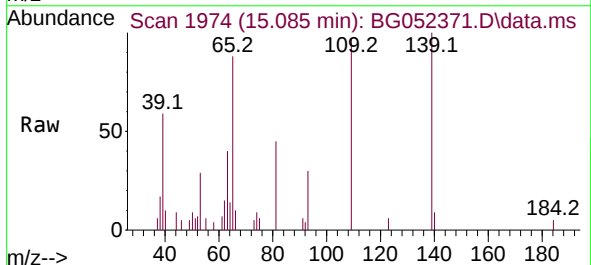
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

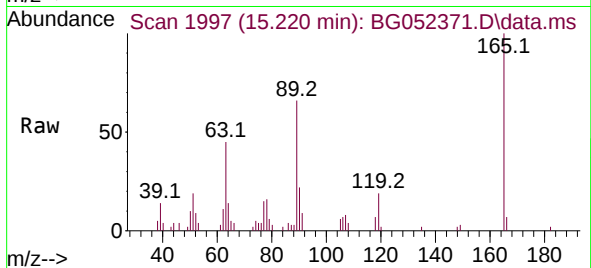
Tgt Ion:139 Resp: 7309
Ion Ratio Lower Upper
139 100
109 96.5 84.9 124.9
65 88.0 109.9 149.9#





#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

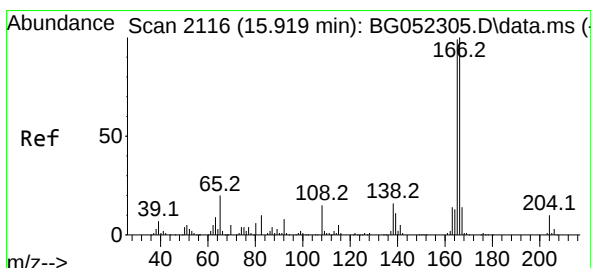
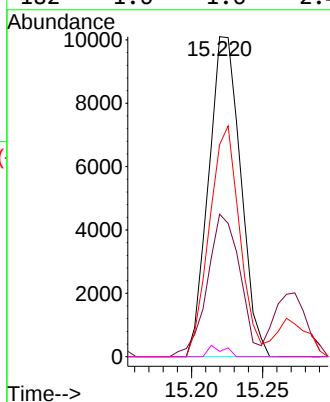
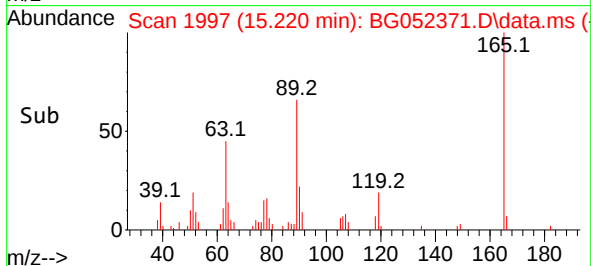
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



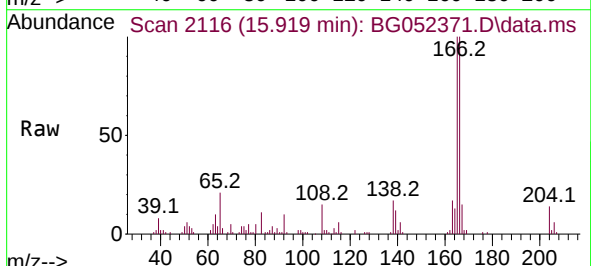
Tgt Ion:165 Resp: 15870
Ion Ratio Lower Upper
165 100
63 44.6 44.6 66.8
89 66.3 67.4 101.0
182 1.6 1.6 2.4

Manual Integrations
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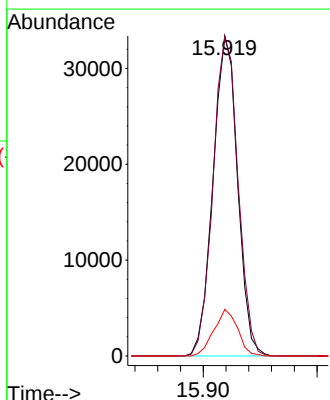
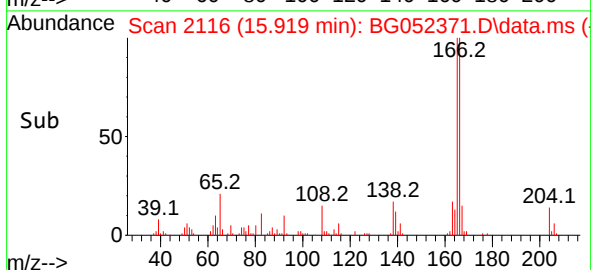
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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



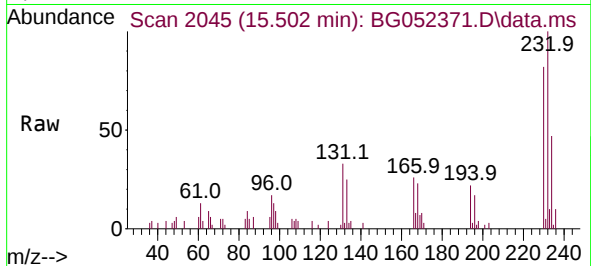
Tgt Ion:166 Resp: 49966
Ion Ratio Lower Upper
166 100
165 99.9 80.0 120.0
167 14.5 11.1 16.7





#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

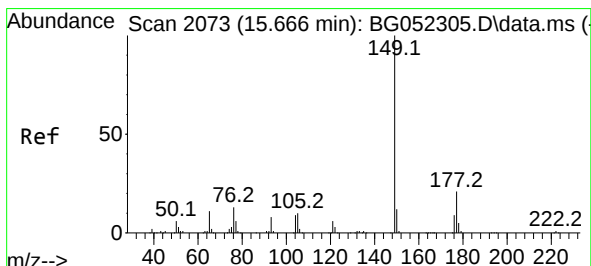
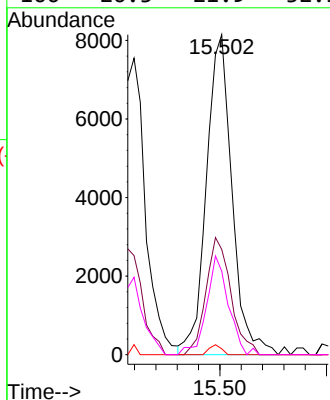
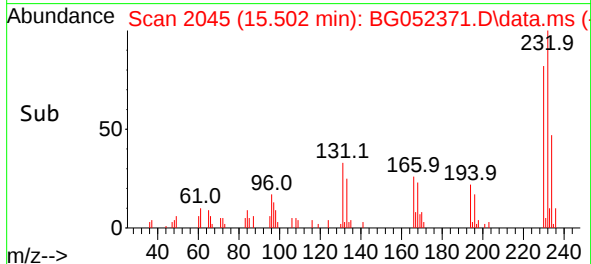
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

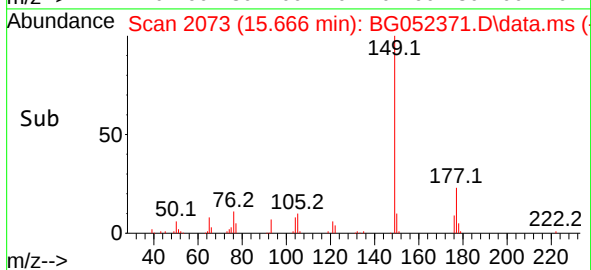
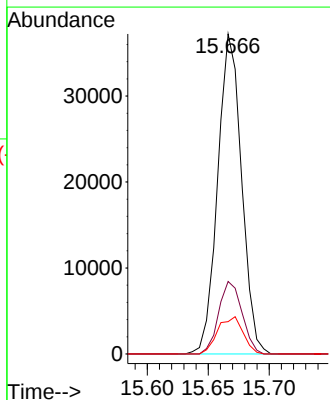
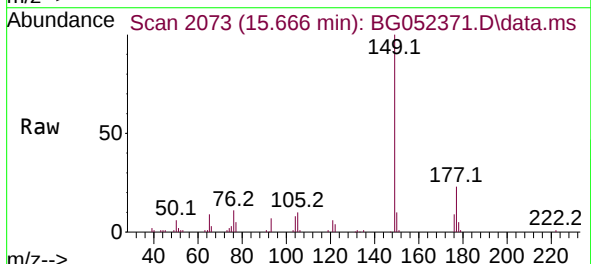
Manual Integrations
APPROVED

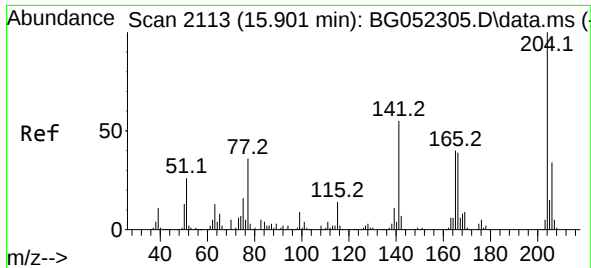
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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





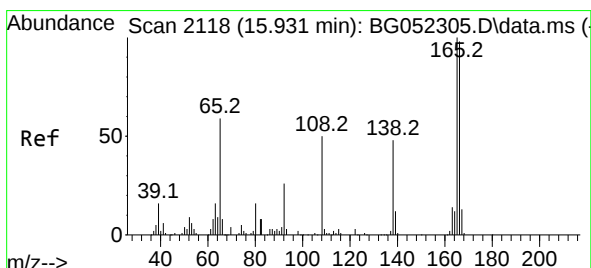
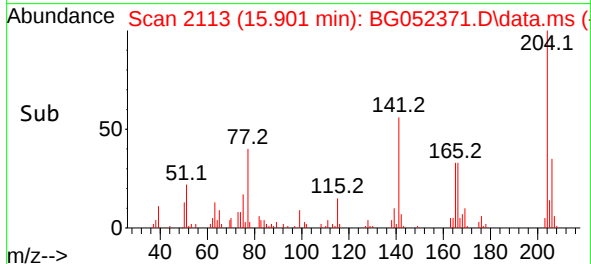
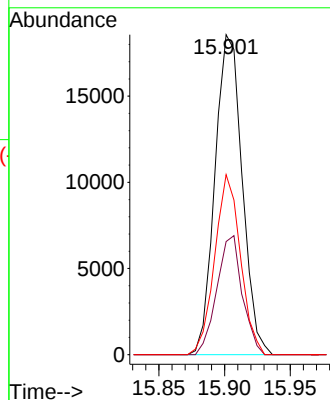
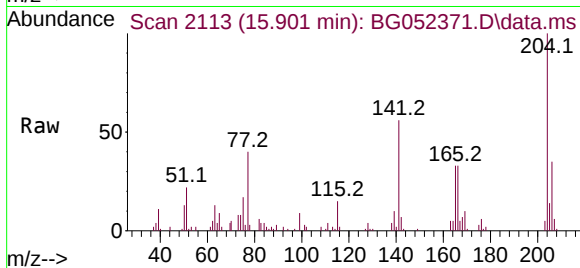
#61
4-Chlorophenyl-phenylether
Concen: 8.841 ng
RT: 15.901 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

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

Tgt Ion:204 Resp: 2675
Ion Ratio Lower Upper
204 100
206 35.3 28.4 42.6
141 56.3 41.8 62.6

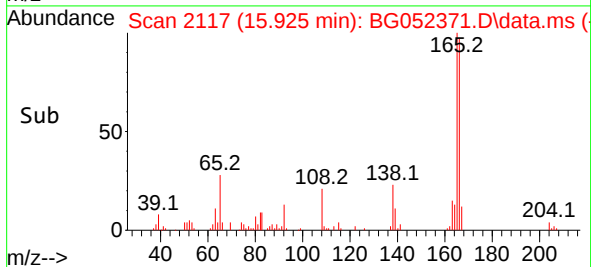
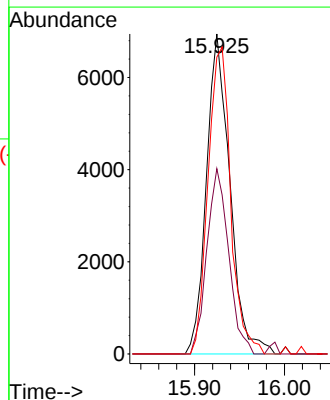
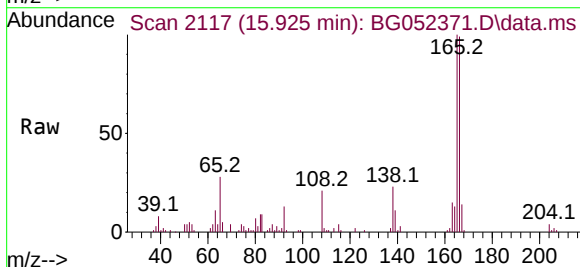
Manual Integrations
APPROVED

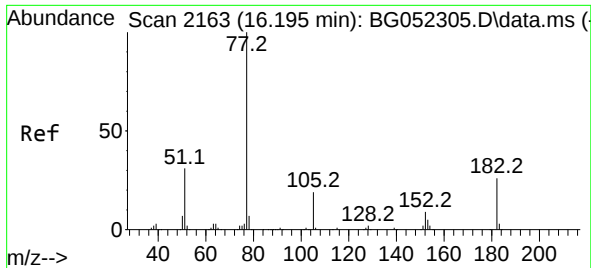
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

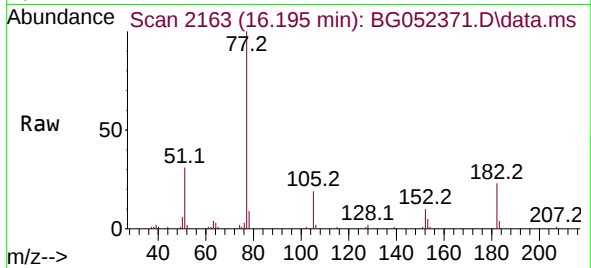
Tgt Ion:138 Resp: 12606
Ion Ratio Lower Upper
138 100
92 57.9 35.5 75.5
108 92.7 96.4 136.4#





#63
Azobenzene
Concen: 8.976 ng
RT: 16.195 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

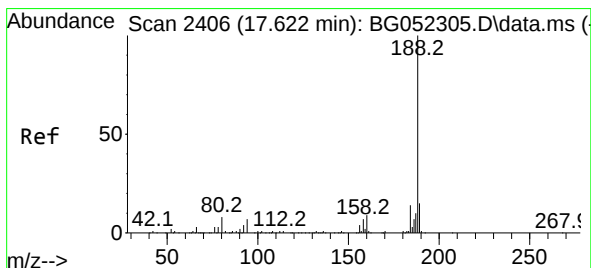
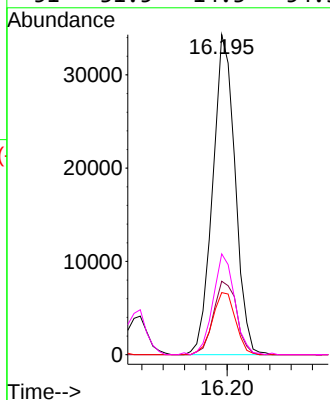
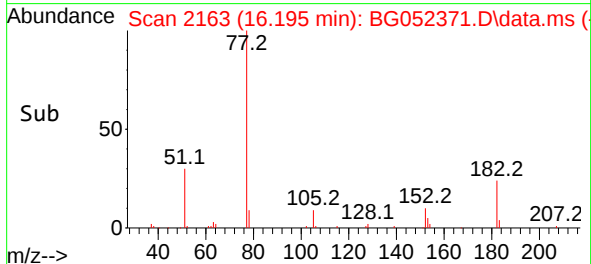
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



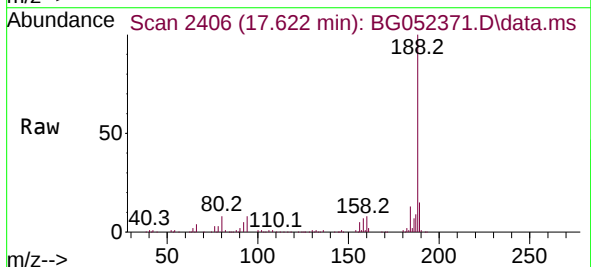
Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	4.1	44.1
105	19.4	0.0	37.5
51	31.5	14.3	54.3

Manual Integrations
APPROVED

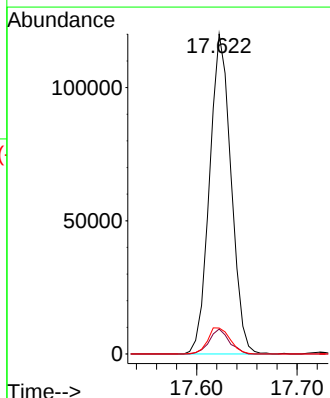
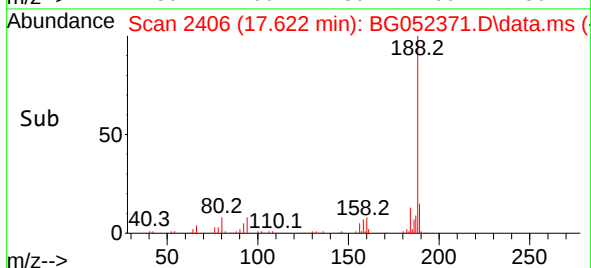
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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



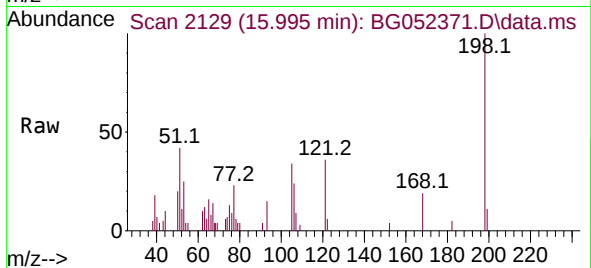
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.9	8.9
80	8.1	6.6	10.0





#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

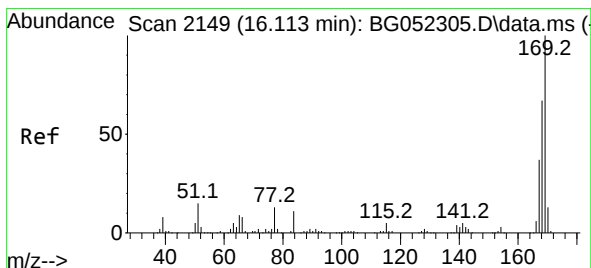
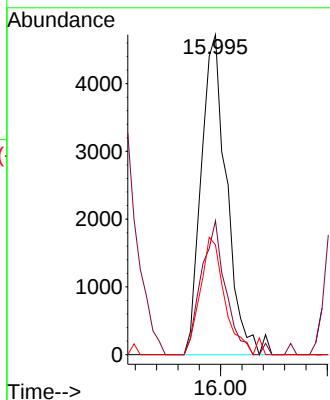
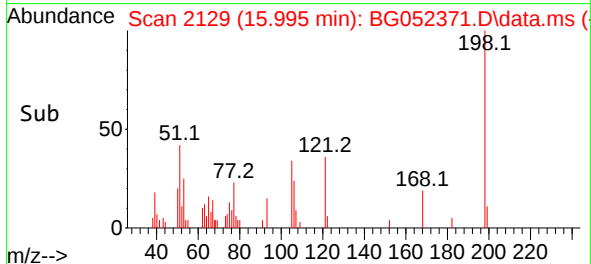
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



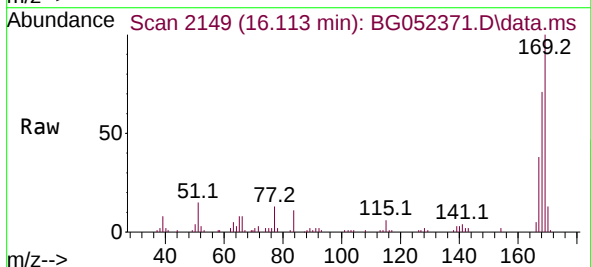
Tgt Ion:198 Resp: 7820
Ion Ratio Lower Upper
198 100
51 41.8 31.6 71.6
105 34.3 22.3 62.3

Manual Integrations
APPROVED

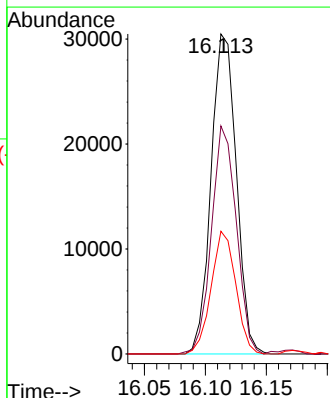
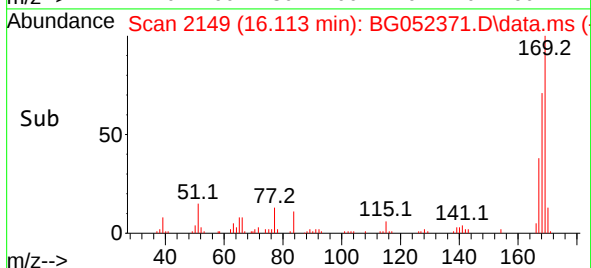
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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



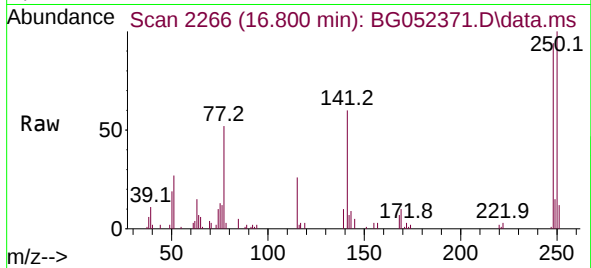
Tgt Ion:169 Resp: 44027
Ion Ratio Lower Upper
169 100
168 71.2 57.4 86.0
167 38.4 29.5 44.3





#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

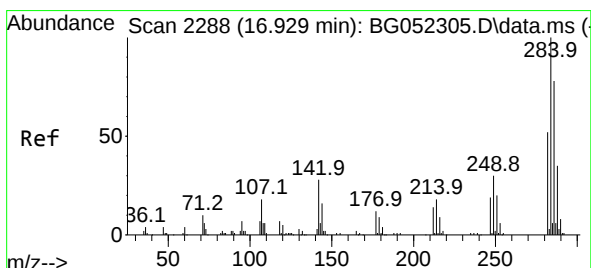
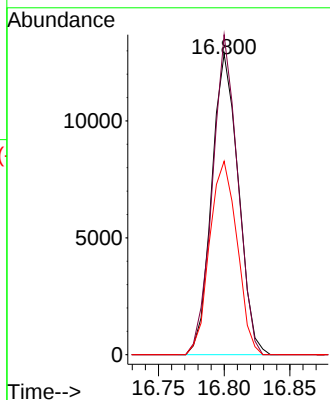
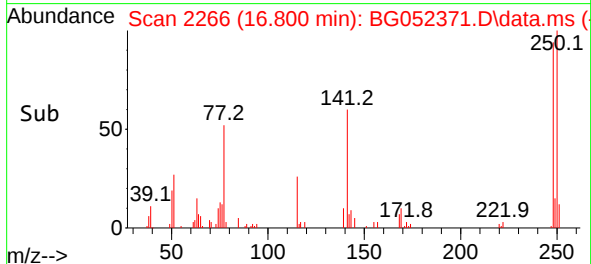
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



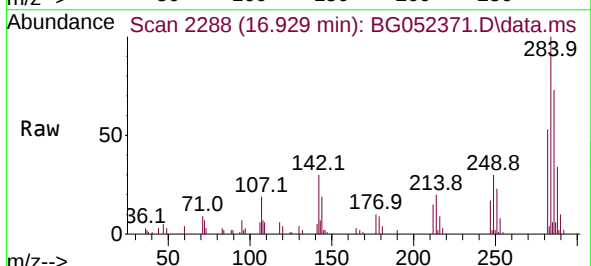
Tgt Ion:248 Resp: 1816
Ion Ratio Lower Upper
248 100
250 106.4 79.6 119.4
141 64.3 54.6 81.8

Manual Integrations
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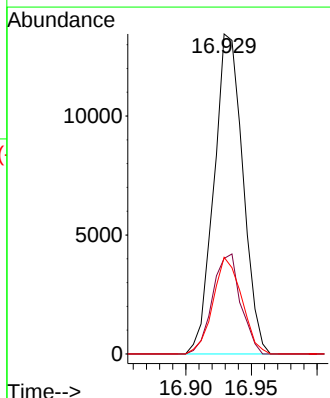
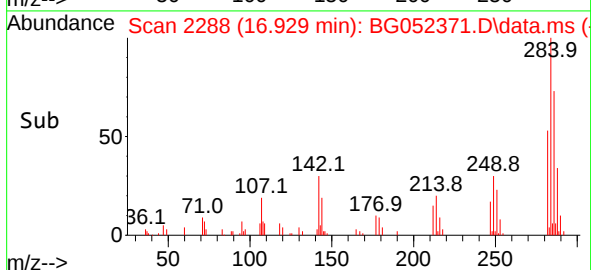
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

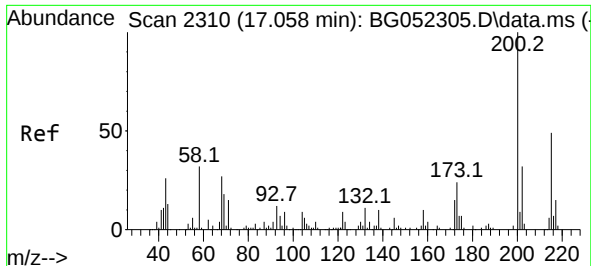


#68
Hexachlorobenzene
Concen: 8.708 ng
RT: 16.929 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



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





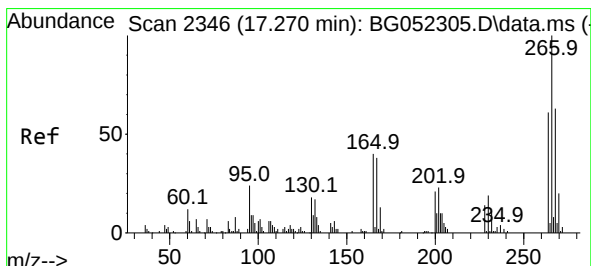
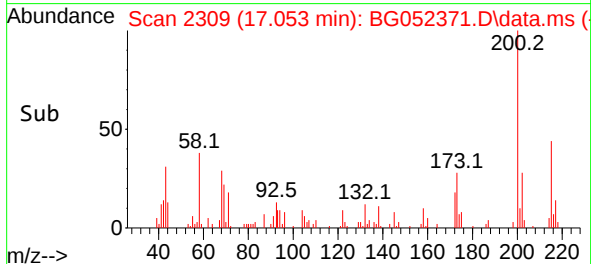
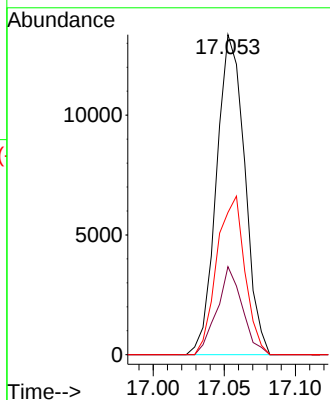
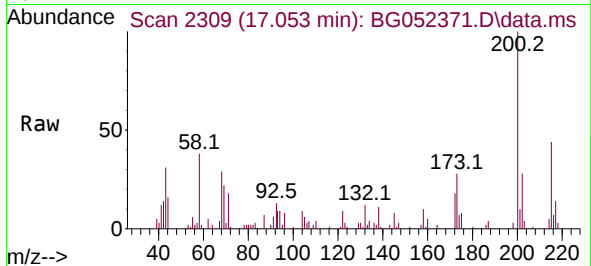
#69
 Atrazine
 Concen: 9.244 ng
 RT: 17.053 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39

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

Tgt Ion:200 Resp: 1843
 Ion Ratio Lower Upper
 200 100
 173 27.5 3.3 43.3
 215 44.5 24.4 64.4

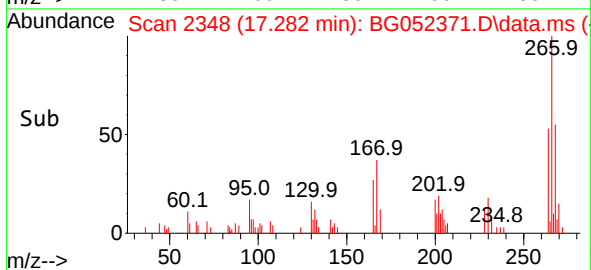
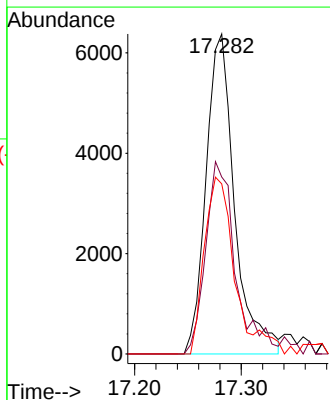
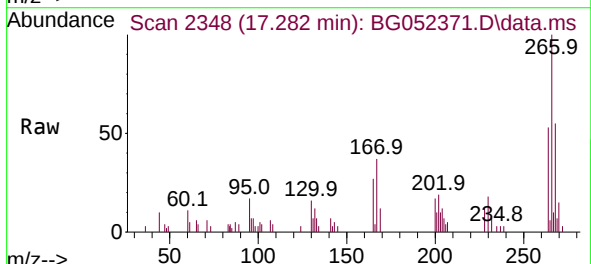
Manual Integrations
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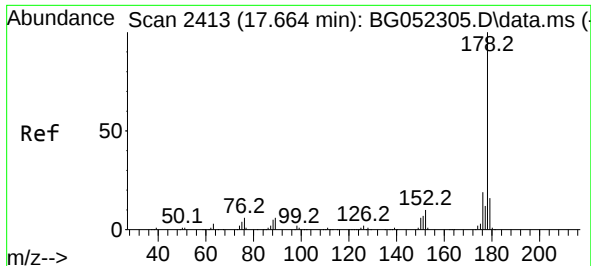
Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#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

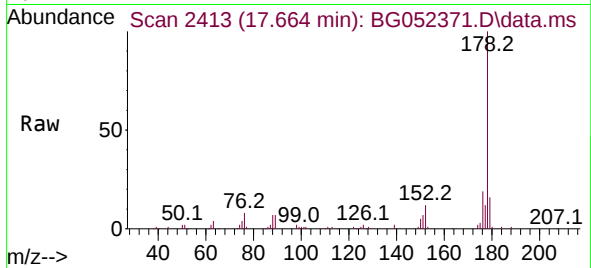
Tgt Ion:266 Resp: 11872
 Ion Ratio Lower Upper
 266 100
 268 55.3 50.6 75.8
 264 53.2 52.2 78.2





#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

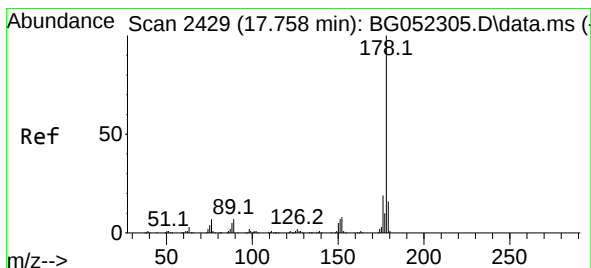
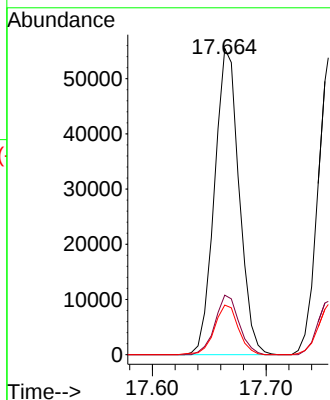
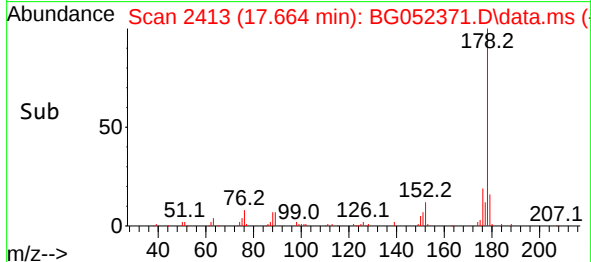
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



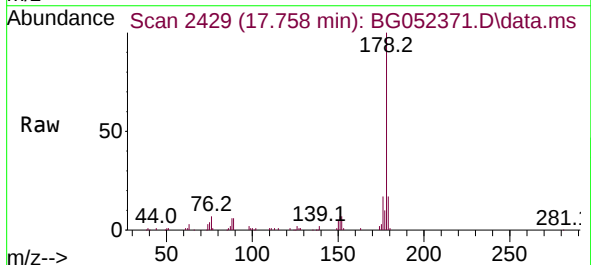
Tgt Ion:178 Resp: 8338
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 16.2 12.6 18.8

Manual Integrations
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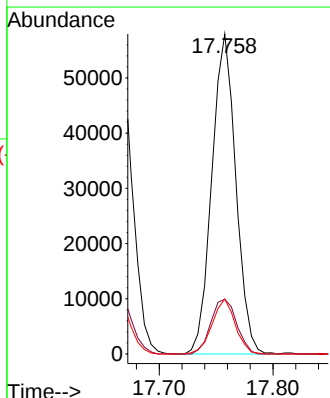
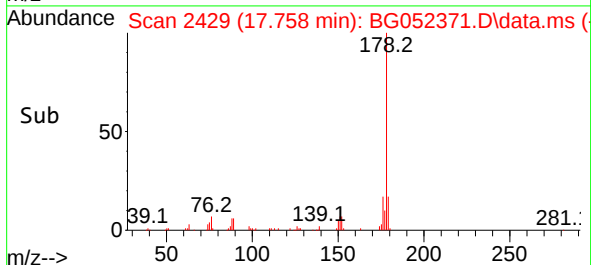
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

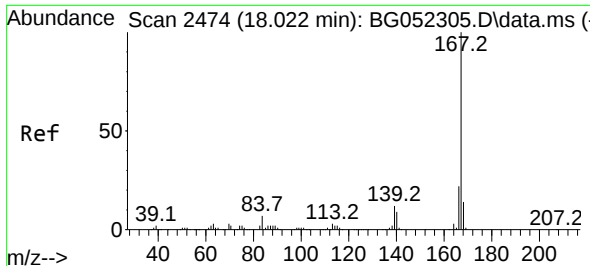


#72
Anthracene
Concen: 9.391 ng
RT: 17.758 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



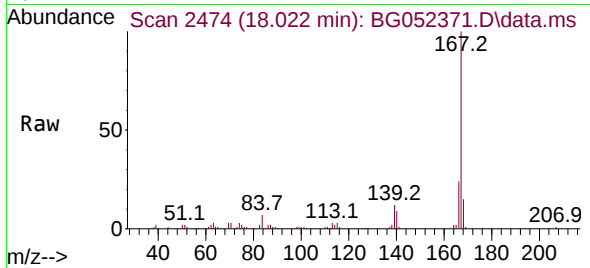
Tgt Ion:178 Resp: 84944
Ion Ratio Lower Upper
178 100
176 17.1 15.3 22.9
179 17.2 13.1 19.7





#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

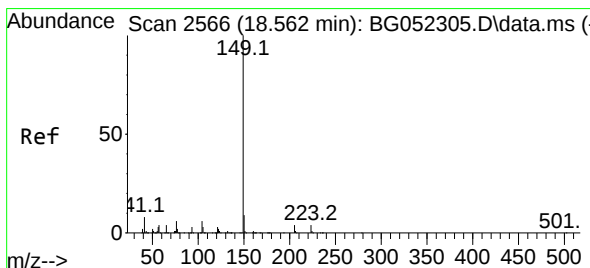
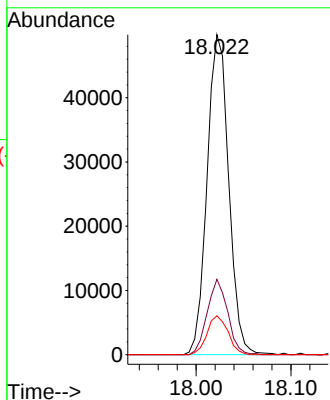
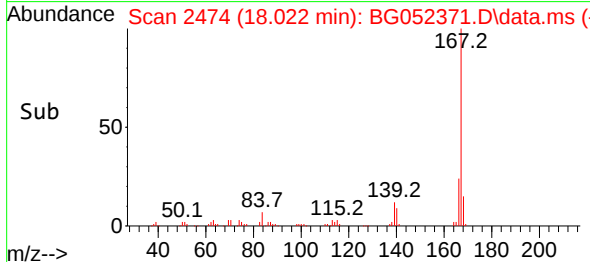
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



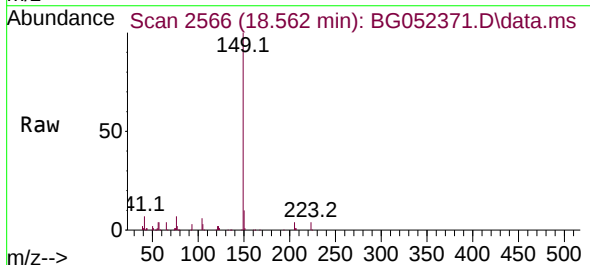
Tgt Ion:167 Resp: 7902
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.8 26.6
 139 12.1 10.6 16.0

Manual Integrations
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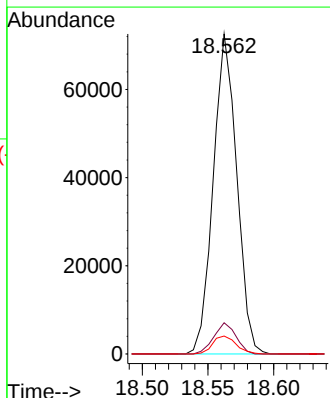
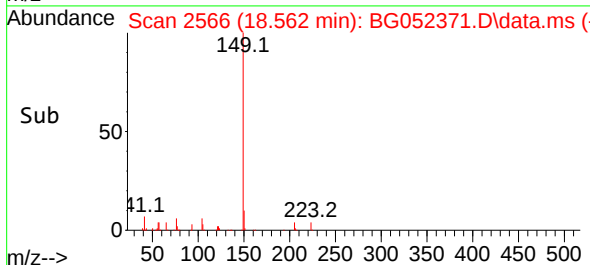
Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022

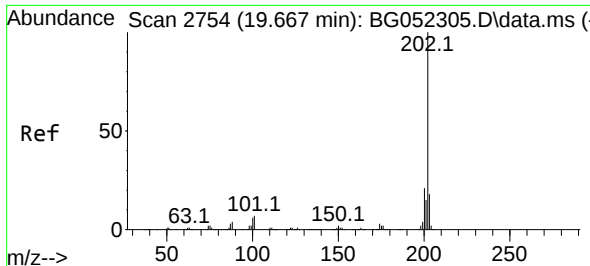


#74
 Di-n-butylphthalate
 Concen: 9.387 ng
 RT: 18.562 min Scan# 2566
 Delta R.T. 0.000 min
 Lab File: BG052371.D
 Acq: 11 Feb 2022 15:39



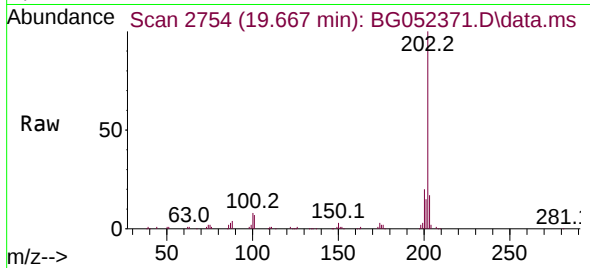
Tgt Ion:149 Resp: 90222
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.4 11.0
 104 5.6 5.4 8.2





#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

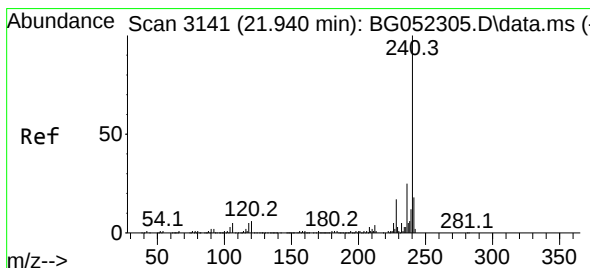
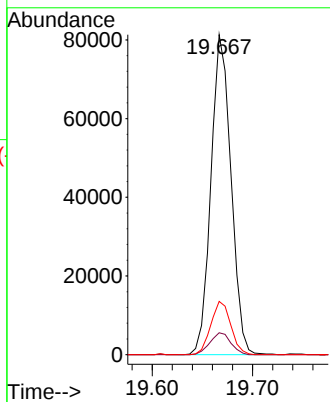
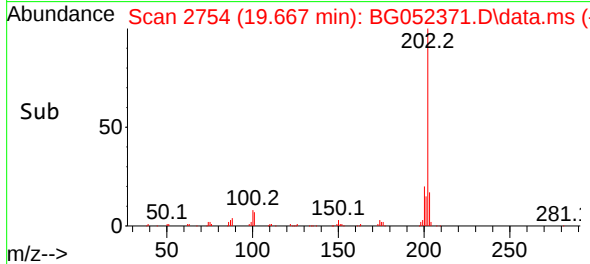
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:202 Resp: 11278
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.1
203 16.7 0.0 37.8

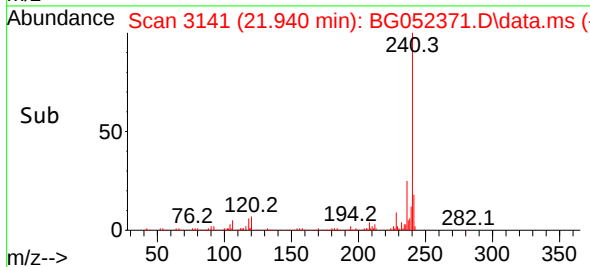
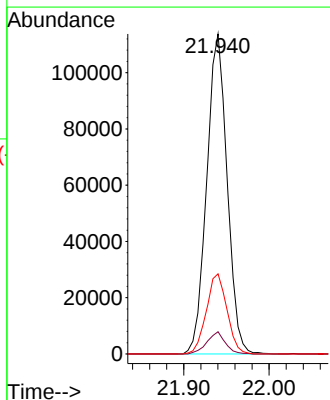
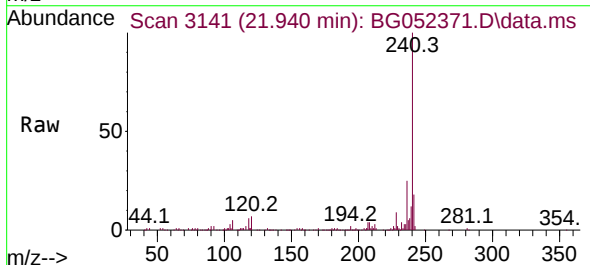
Manual Integrations
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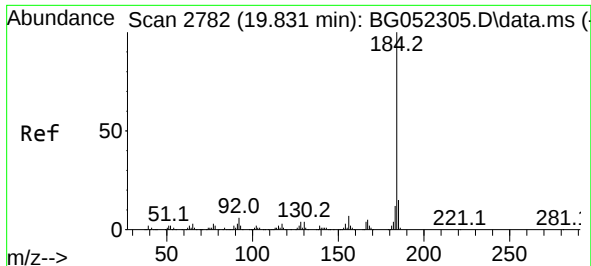
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

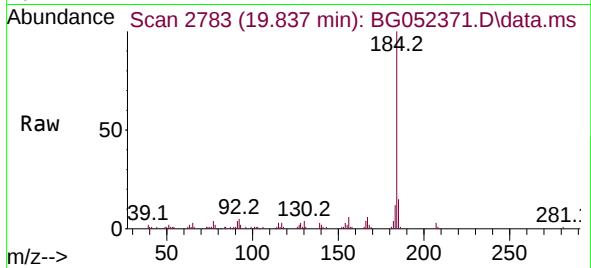
Tgt Ion:240 Resp: 188994
Ion Ratio Lower Upper
240 100
120 7.0 4.4 6.6#
236 25.1 20.8 31.2





#77
Benzidine
Concen: 14.394 ng
RT: 19.837 min Scan# 2783
Delta R.T. 0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

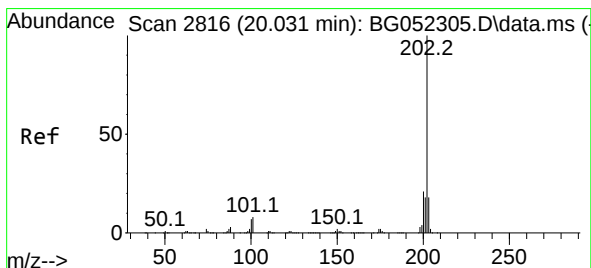
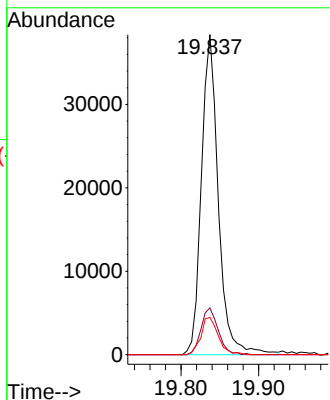
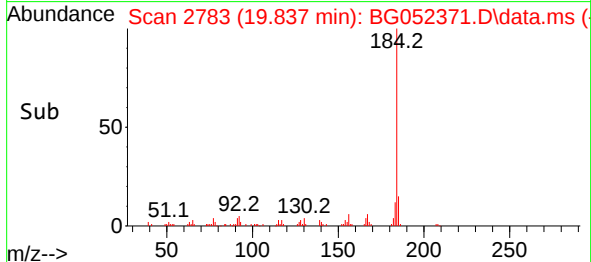
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



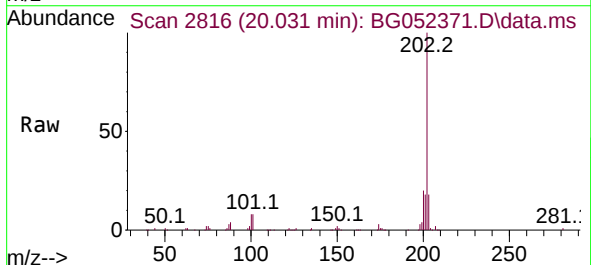
Tgt Ion:184 Resp: 58129
Ion Ratio Lower Upper
184 100
185 14.6 11.8 17.8
183 11.7 9.8 14.6

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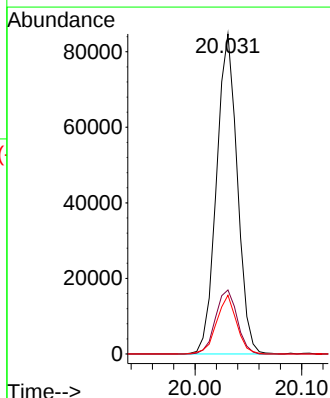
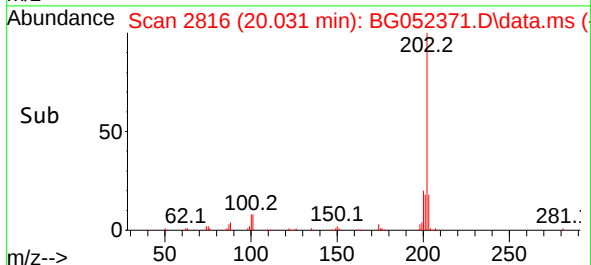
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

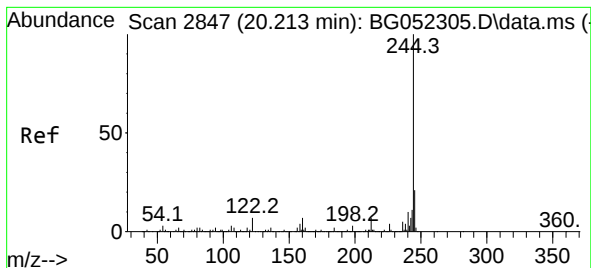


#78
Pyrene
Concen: 9.054 ng
RT: 20.031 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39



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

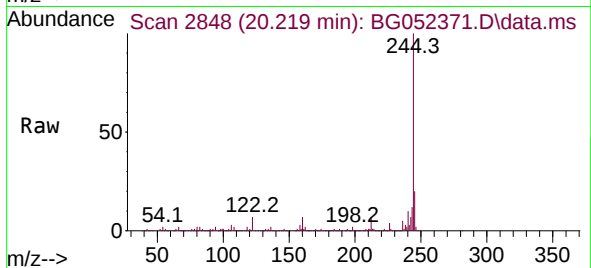
Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:244 Resp: 69504

Ion Ratio Lower Upper

244 100

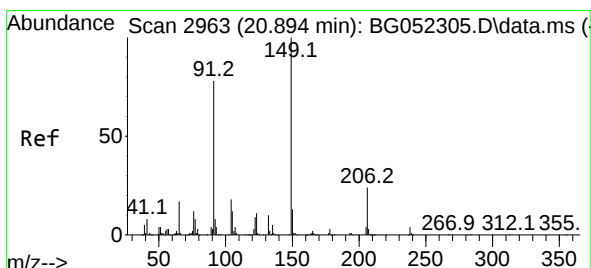
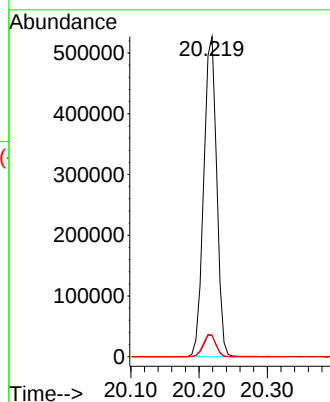
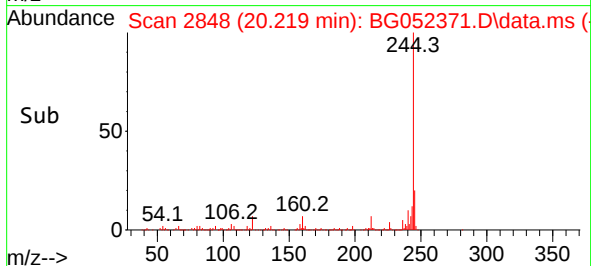
212 6.6 6.0 9.0

122 6.8 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

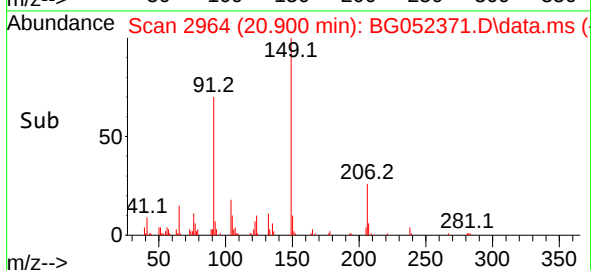
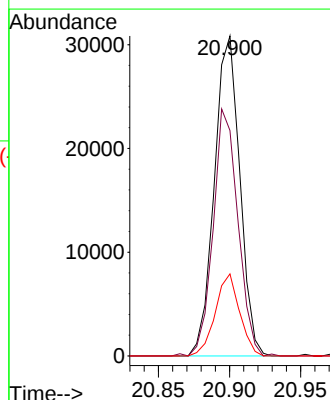
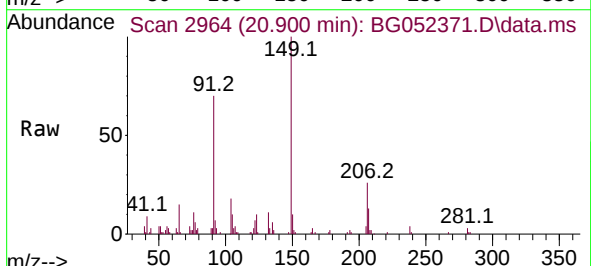
Tgt Ion:149 Resp: 38377

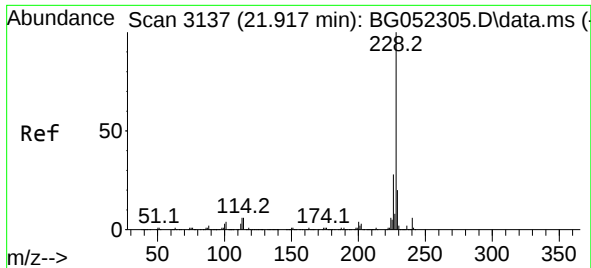
Ion Ratio Lower Upper

149 100

91 70.4 64.0 96.0

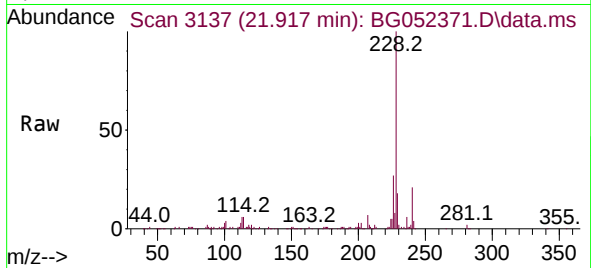
206 25.6 19.3 28.9





#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

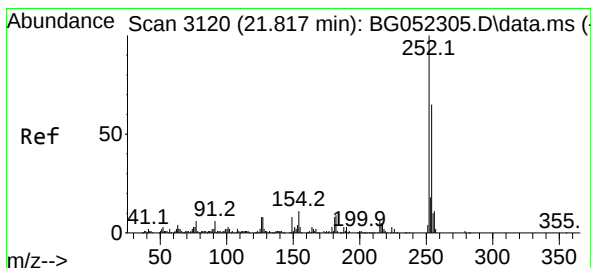
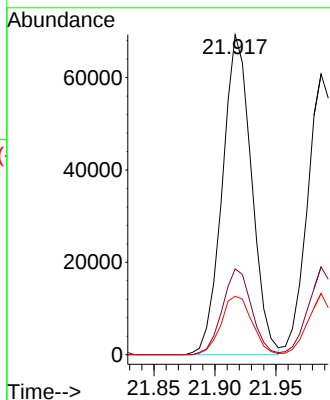
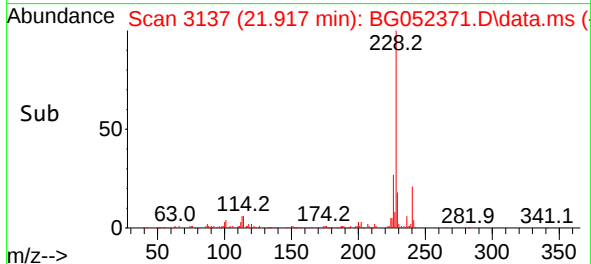
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:228 Resp: 11518
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 18.3 16.0 24.0

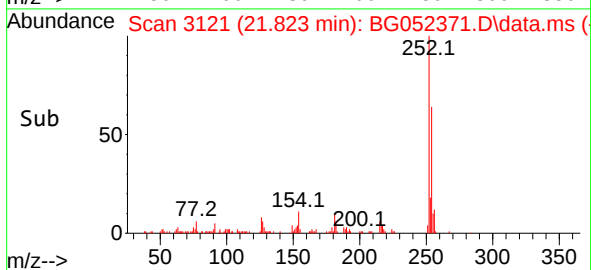
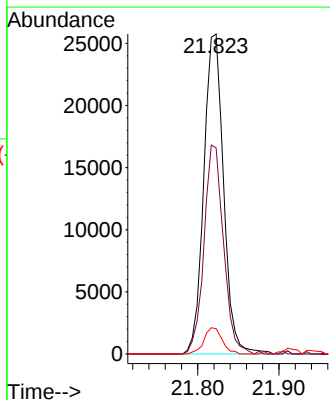
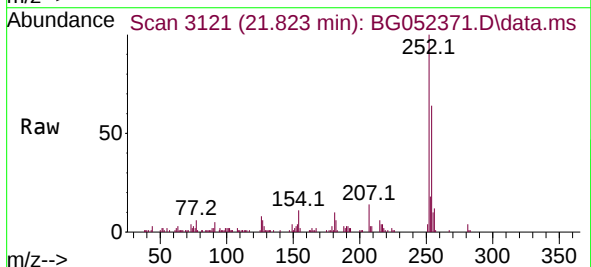
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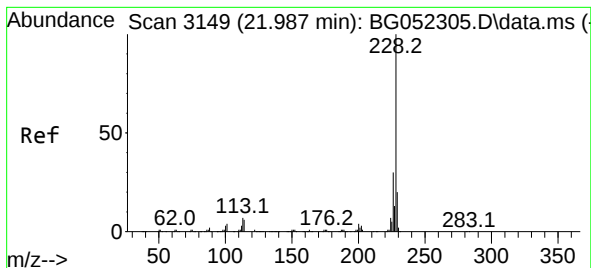
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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 :

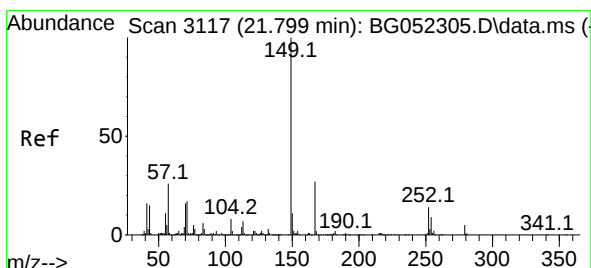
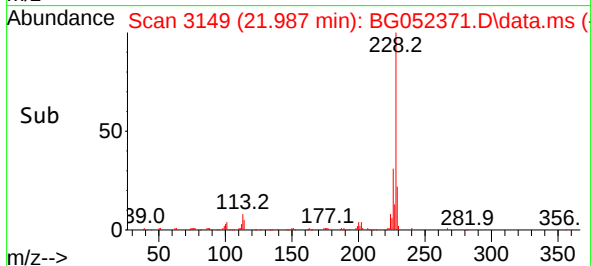
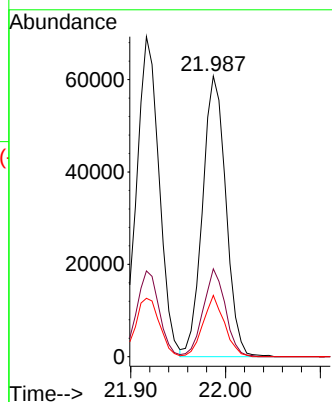
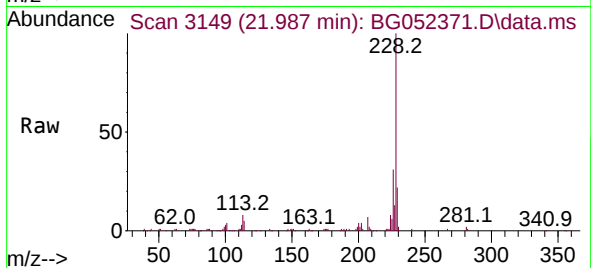
LOQ-SOIL-02-QT4-2021

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.790 ng

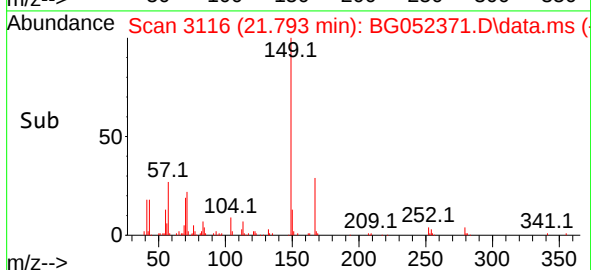
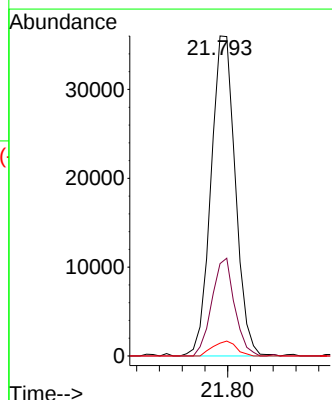
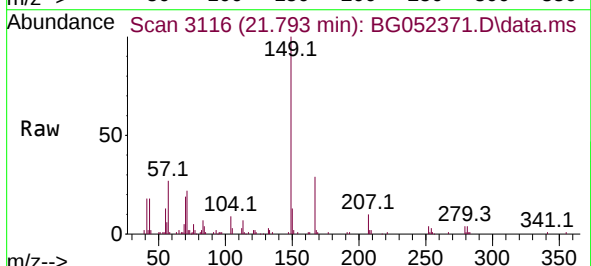
RT: 21.793 min Scan# 3116

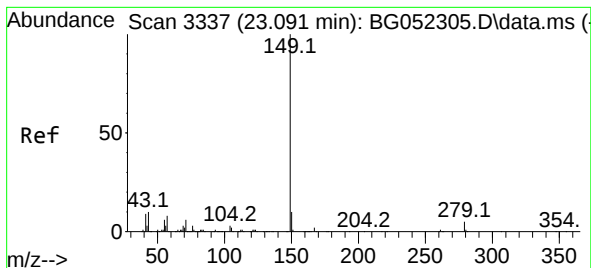
Delta R.T. -0.006 min

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# 3337

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

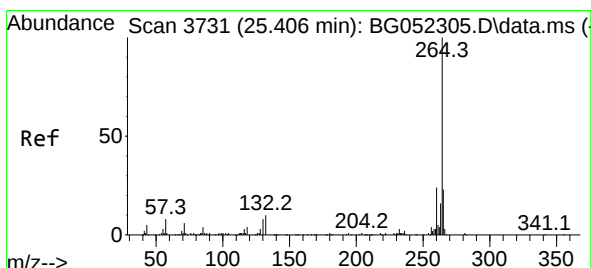
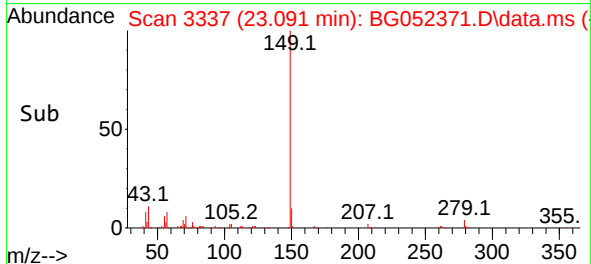
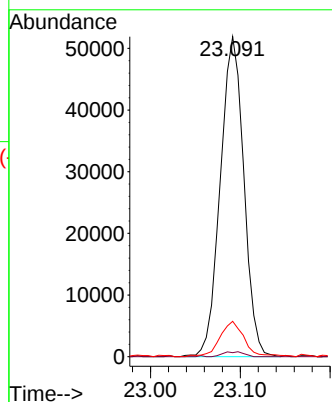
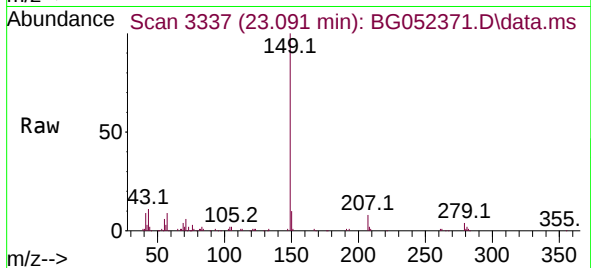
Tgt Ion:149 Resp: 9442

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.4	2.0
43	11.6	10.0	15.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.412 min Scan# 3732

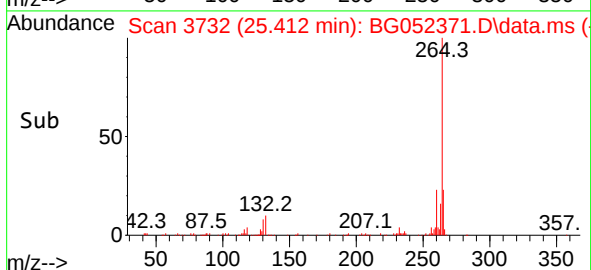
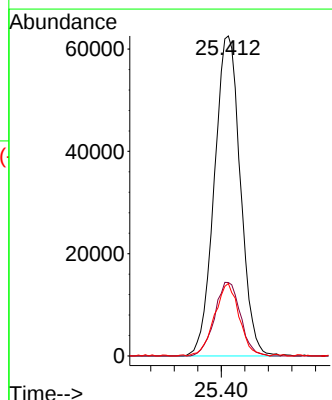
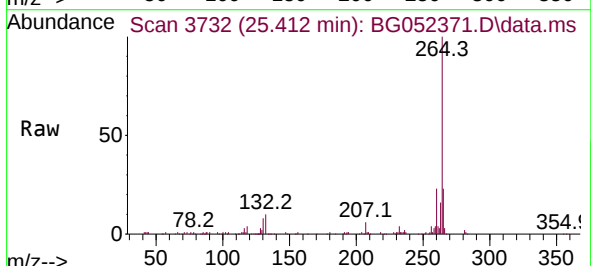
Delta R.T. 0.006 min

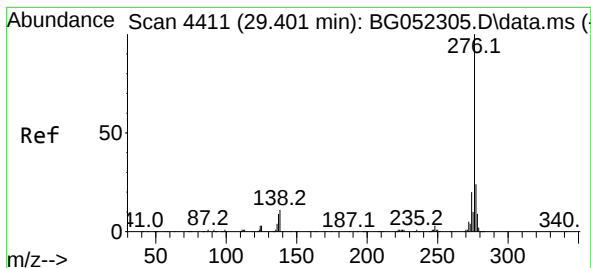
Lab File: BG052371.D

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# 4412

Delta R.T. 0.012 min

Lab File: BG052371.D

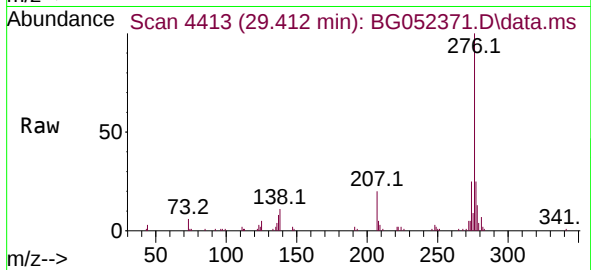
Acq: 11 Feb 2022 15:39

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:276 Resp: 11864

Ion Ratio Lower Upper

276 100

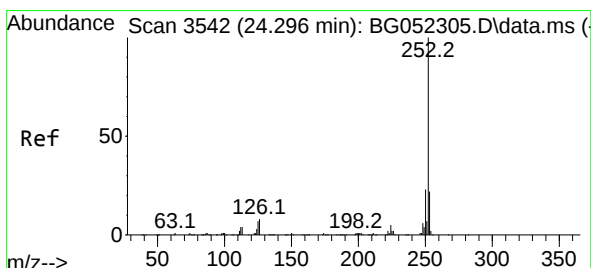
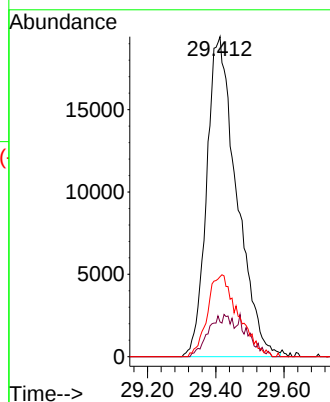
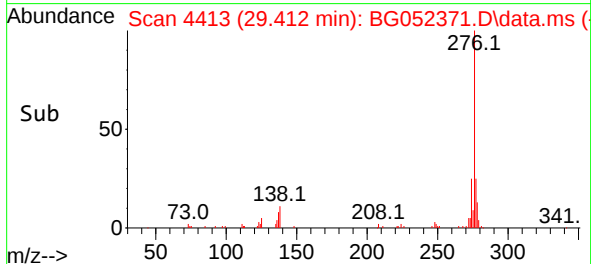
138 6.2 6.1 9.1

277 26.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

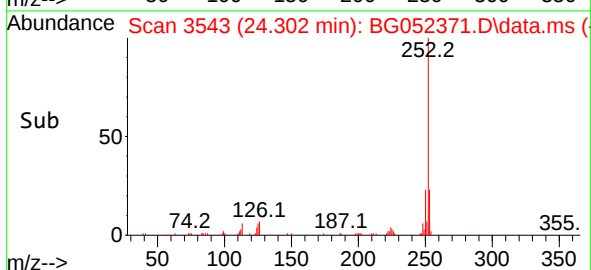
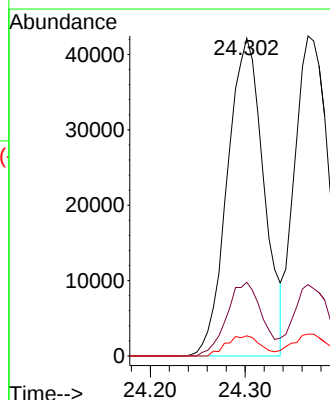
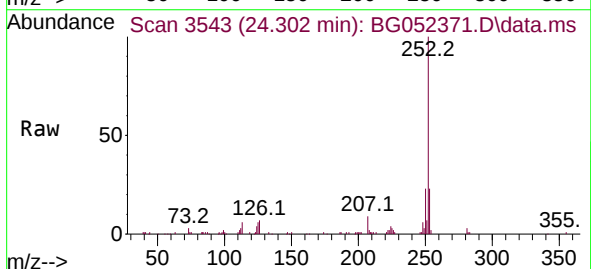
Tgt Ion:252 Resp: 112544

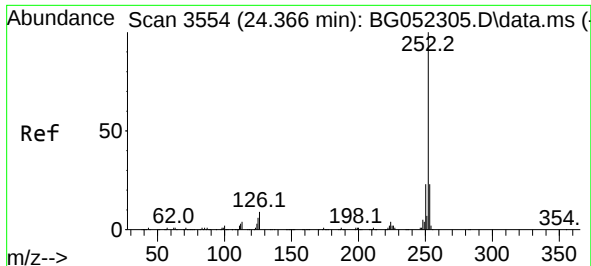
Ion Ratio Lower Upper

252 100

253 23.2 18.3 27.5

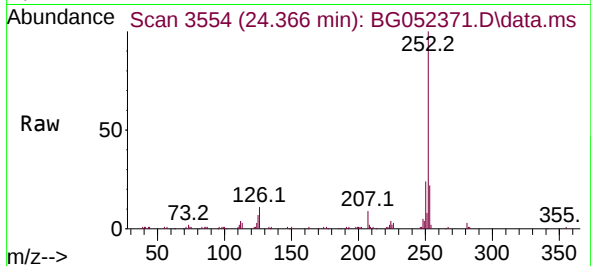
125 6.3 5.4 8.2





#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

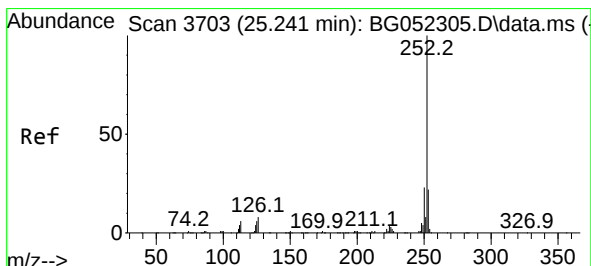
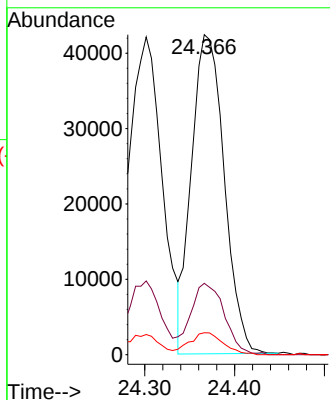
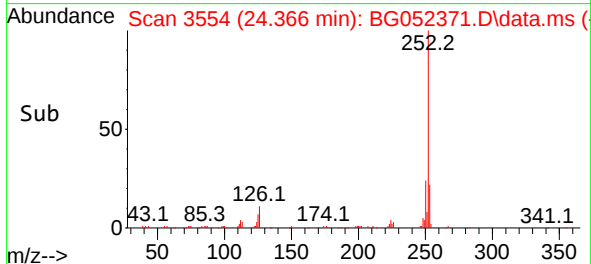
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

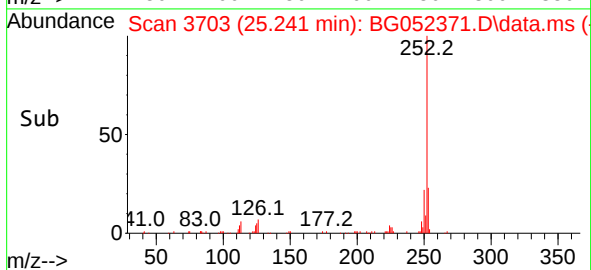
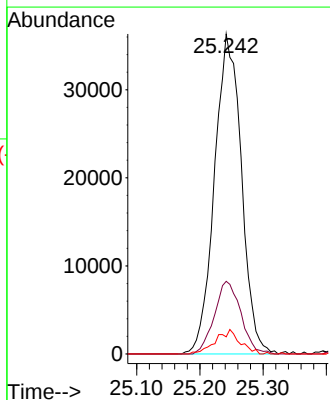
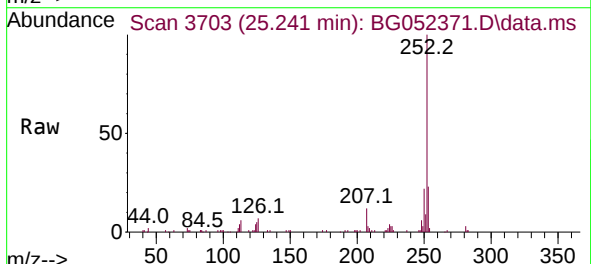
Manual Integrations
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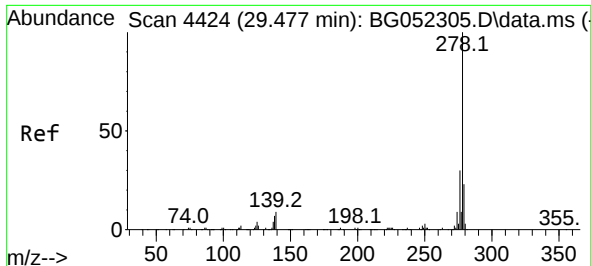
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

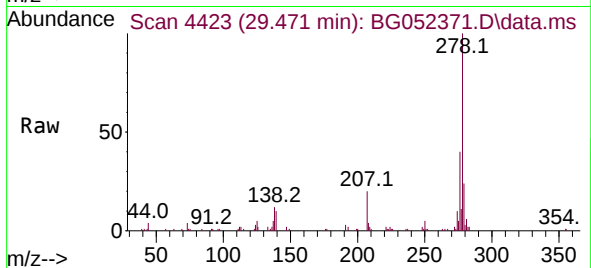
Tgt Ion:252 Resp: 107263
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 5.3 5.0 7.6





#91
Dibenzo(a,h)anthracene
Concen: 9.010 ng
RT: 29.471 min Scan# 4423
Delta R.T. -0.006 min
Lab File: BG052371.D
Acq: 11 Feb 2022 15:39

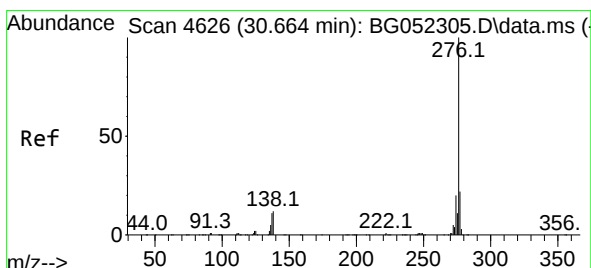
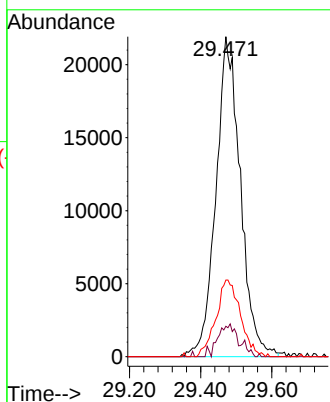
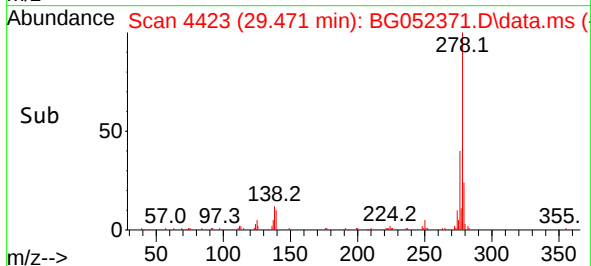
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



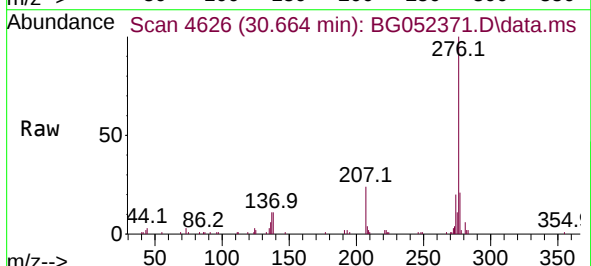
Tgt Ion:278 Resp: 10433
Ion Ratio Lower Upper
278 100
139 9.5 6.4 9.6
279 23.9 20.1 30.1

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Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#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

