

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

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/17/2022
 Supervised By : Jagrut Upadhyay 02/17/2022

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	26569	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	111861	20.000	ng	# 0.00
39) Acenaphthene-d10	14.869	164	83636	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	212036	20.000	ng	0.00
76) Chrysene-d12	21.930	240	223135	20.000	ng	# 0.00
86) Perylene-d12	25.390	264	224109	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.752	112	160860	105.520	ng	0.00
7) Phenol-d6	7.367	99	237490	100.968	ng	0.00
23) Nitrobenzene-d5	9.400	82	178306	69.277	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	131432	109.384	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	425745	70.733	ng	0.00
79) Terphenyl-d14	20.209	244	884626	70.008	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.579	88	5945	8.469	ng	# 87
3) Pyridine	4.001	79	20515	10.077	ng	98
4) n-Nitrosodimethylamine	3.902	42	10916	10.384	ng	# 83
6) Aniline	7.538	93	33573	12.286	ng	94
8) 2-Chlorophenol	7.790	128	19583	11.677	ng	86
9) Benzaldehyde	7.344	77	16603	11.499	ng	96
10) Phenol	7.397	94	26052	11.147	ng	98
11) bis(2-Chloroethyl)ether	7.626	93	19191	10.743	ng	94
12) 1,3-Dichlorobenzene	8.114	146	21462	11.232	ng	93
13) 1,4-Dichlorobenzene	8.260	146	21940	11.264	ng	99
14) 1,2-Dichlorobenzene	8.589	146	21653	11.271	ng	96
15) Benzyl Alcohol	8.460	79	20818	10.664	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.748	45	28098	10.893	ng	99
17) 2-Methylphenol	8.666	107	18222	11.816	ng	90
18) Hexachloroethane	9.330	117	7660	11.310	ng	99
19) n-Nitroso-di-n-propyla...	9.024	70	20391	11.499	ng	95
20) 3+4-Methylphenols	8.995	107	24729	11.208	ng	86
22) Acetophenone	9.053	105	26195	8.860	ng	# 91
24) Nitrobenzene	9.441	77	30092	12.325	ng	99
25) Isophorone	9.964	82	54366	12.414	ng	98
26) 2-Nitrophenol	10.164	139	12109	11.701	ng	# 87
27) 2,4-Dimethylphenol	10.211	122	20684	13.500	ng	89
28) bis(2-Chloroethoxy)met...	10.446	93	29836	12.005	ng	99
29) 2,4-Dichlorophenol	10.704	162	20576	11.204	ng	91
30) 1,2,4-Trichlorobenzene	10.922	180	25712	11.990	ng	99
31) Naphthalene	11.115	128	70071	11.949	ng	# 90
32) Benzoic acid	10.334	122	7838m	8.710	ng	
33) 4-Chloroaniline	11.215	127	29300	11.967	ng	94
34) Hexachlorobutadiene	11.403	225	16458	11.364	ng	93
35) Caprolactam	11.961	113	5658	8.454	ng	# 67
36) 4-Chloro-3-methylphenol	12.325	107	24012	11.493	ng	94
37) 2-Methylnaphthalene	12.707	142	53188	12.211	ng	98
38) 1-Methylnaphthalene	12.925	142	51082	12.103	ng	# 97
40) 1,2,4,5-Tetrachloroben...	13.077	216	23798	8.651	ng	98
41) Hexachlorocyclopentadiene	13.054	237	14481	12.468	ng	98
43) 2,4,6-Trichlorophenol	13.307	196	19192	10.667	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.389	196	21498	11.026	ng	95
46) 1,1'-Biphenyl	13.700	154	56262	9.174	ng	98
47) 2-Chloronaphthalene	13.747	162	57401	12.148	ng	95
48) 2-Nitroaniline	13.941	65	18663	11.095	ng	92
49) Acenaphthylene	14.593	152	100171	13.024	ng	98
50) Dimethylphthalate	14.305	163	76720	11.974	ng	99
51) 2,6-Dinitrotoluene	14.429	165	17488	12.649	ng	# 85
52) Acenaphthene	14.934	154	56440	11.205	ng	99
53) 3-Nitroaniline	14.757	138	17567	12.224	ng	96
54) 2,4-Dinitrophenol	14.981	184	5342m	7.126	ng	
55) Dibenzofuran	15.263	168	96021	12.121	ng	99
56) 4-Nitrophenol	15.075	139	11662m	10.806	ng	
57) 2,4-Dinitrotoluene	15.216	165	23989	12.191	ng	# 94
58) Fluorene	15.915	166	79518	12.574	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.492	232	19196	10.306	ng	# 97
60) Diethylphthalate	15.662	149	80030	12.365	ng	97
61) 4-Chlorophenyl-phenyle...	15.897	204	42683	11.849	ng	93
62) 4-Nitroaniline	15.921	138	19251	12.725	ng	88
63) Azobenzene	16.191	77	79330	11.973	ng	93
65) 4,6-Dinitro-2-methylph...	15.985	198	11927	9.351	ng	82
66) n-Nitrosodiphenylamine	16.109	169	70991	12.152	ng	96
67) 4-Bromophenyl-phenylether	16.790	248	30100	11.673	ng	93
68) Hexachlorobenzene	16.925	284	33422	11.950	ng	98
69) Atrazine	17.049	200	20425	8.648	ng	94
70) Pentachlorophenol	17.272	266	15857m	11.589	ng	
71) Phenanthrene	17.659	178	134144	12.272	ng	97
72) Anthracene	17.748	178	135366	12.638	ng	99
73) Carbazole	18.018	167	126734	12.131	ng	98
74) Di-n-butylphthalate	18.552	149	145572	12.789	ng	99
75) Fluoranthene	19.663	202	179722	12.913	ng	99
77) Benzidine	19.827	184	60259	12.638	ng	97
78) Pyrene	20.021	202	185596	12.430	ng	97
80) Butylbenzylphthalate	20.890	149	59539	11.480	ng	98
81) Benzo(a)anthracene	21.907	228	179183	12.135	ng	99
82) 3,3'-Dichlorobenzidine	21.807	252	46667	9.053	ng	99
83) Chrysene	21.977	228	162611	11.622	ng	98
84) Bis(2-ethylhexyl)phtha...	21.783	149	83396	11.596	ng	97
85) Di-n-octyl phthalate	23.076	149	144132	11.954	ng	95
87) Indeno(1,2,3-cd)pyrene	29.379	276	186258	11.357	ng	# 98
88) Benzo(b)fluoranthene	24.280	252	174193	12.473	ng	98
89) Benzo(k)fluoranthene	24.350	252	173916	12.606	ng	99
90) Benzo(a)pyrene	25.226	252	167160	14.170	ng	97
91) Dibenzo(a,h)anthracene	29.449	278	165349	12.205	ng	# 97
92) Benzo(g,h,i)perylene	30.630	276	161773	12.167	ng	98

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

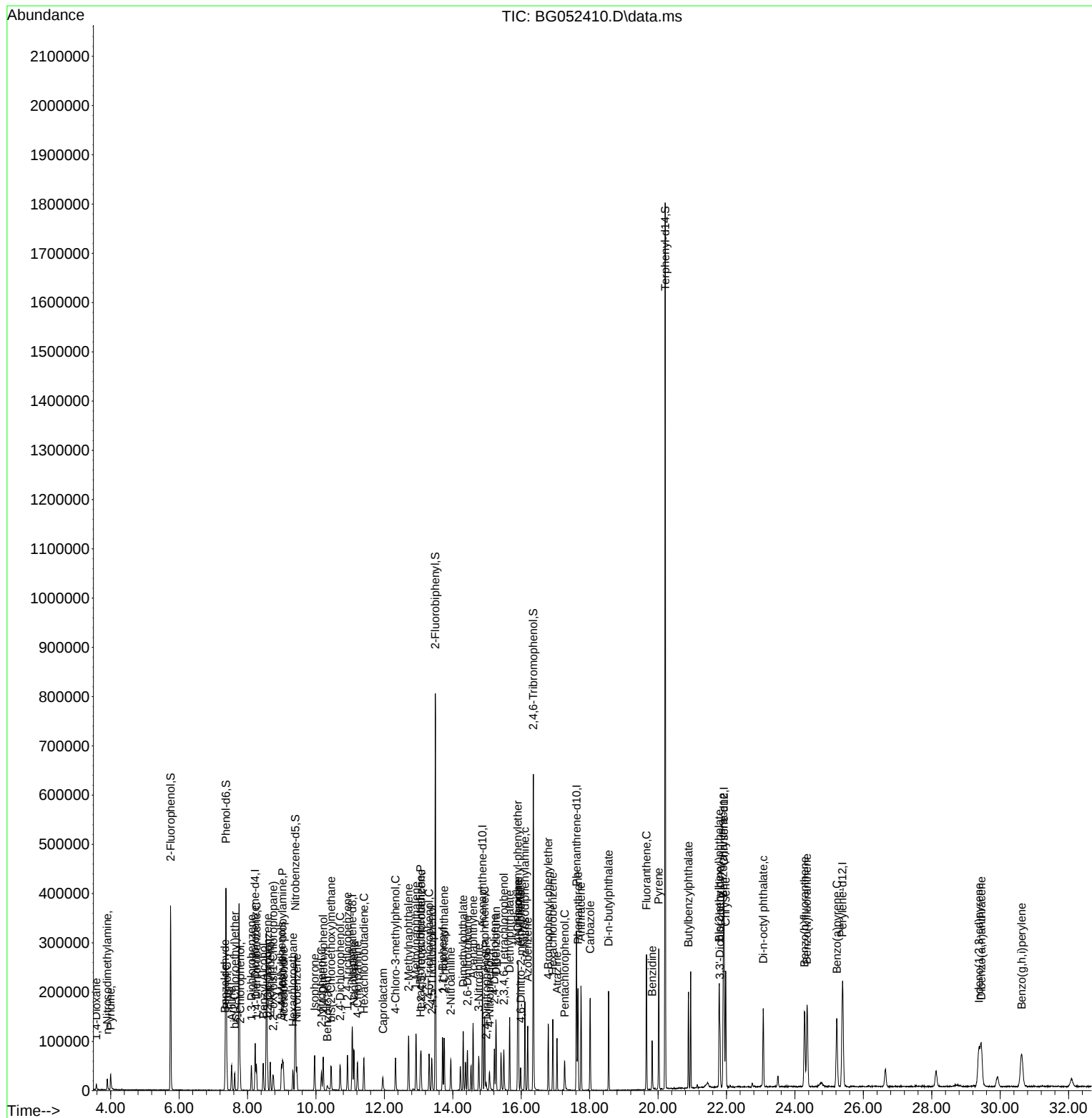
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Sample : M4068-02
Misc : LOQ-SOIL 10ppm
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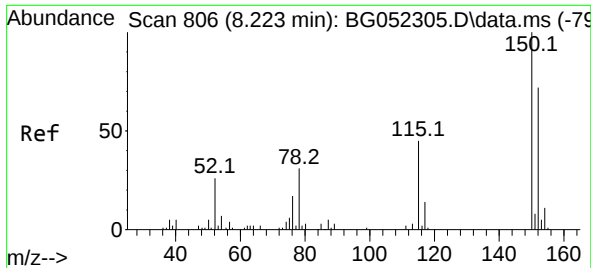
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021

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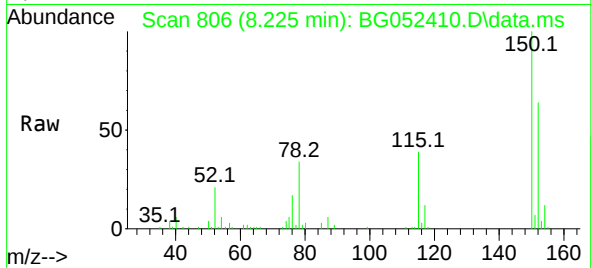
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





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

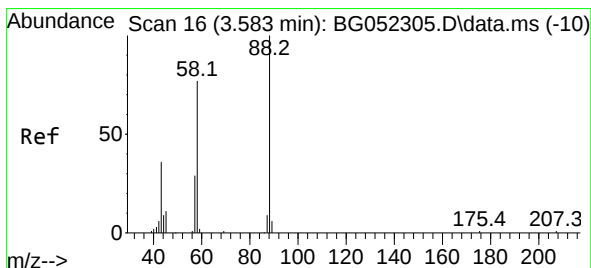
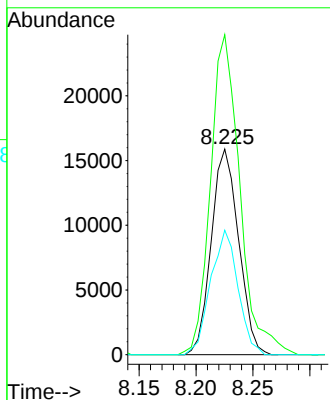
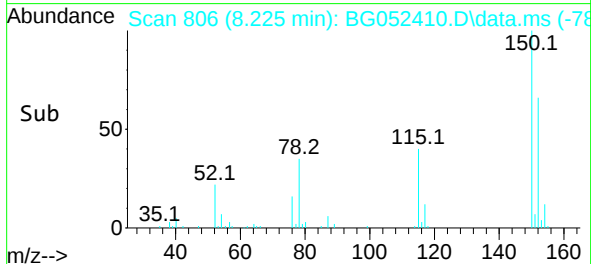
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



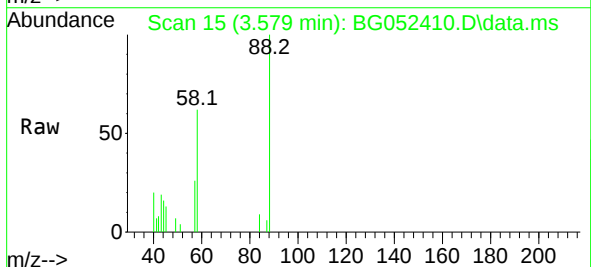
Tgt Ion:152 Resp: 2656
Ion Ratio Lower Upper
152 100
150 155.7 117.8 176.8
115 60.6 50.2 75.2

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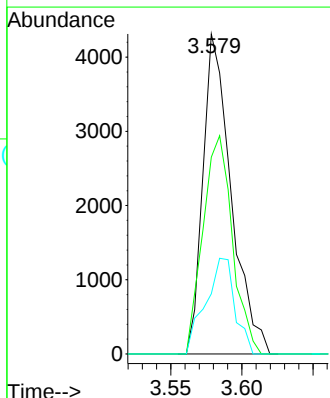
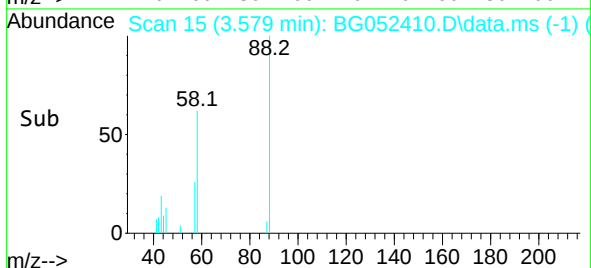
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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



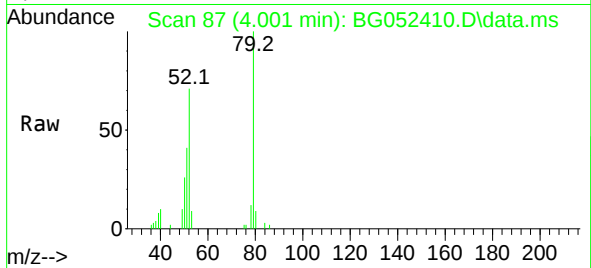
Tgt Ion: 88 Resp: 5945
Ion Ratio Lower Upper
88 100
58 71.1 65.8 98.8
43 31.0 31.6 47.4#





#3
Pyridine
Concen: 10.077 ng
RT: 4.001 min Scan# 81
Delta R.T. 0.008 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

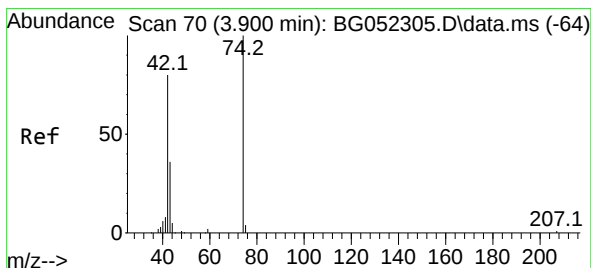
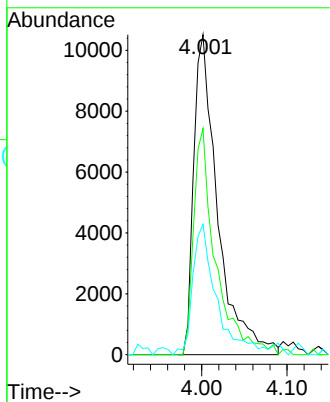
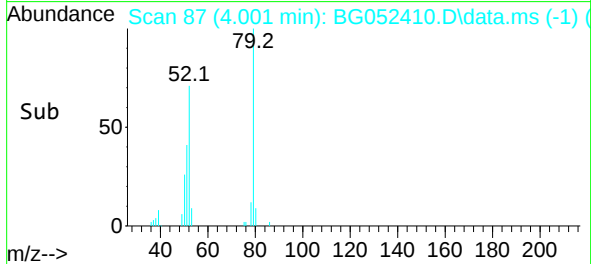
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



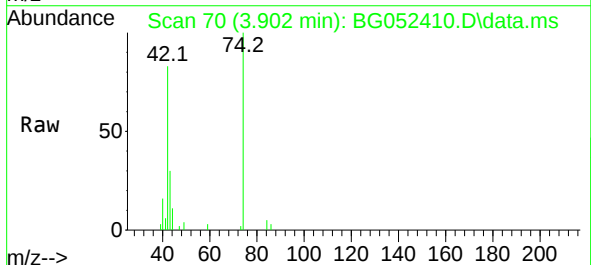
Tgt Ion: 79 Resp: 2051
Ion Ratio Lower Upper
79 100
52 70.7 55.0 82.6
51 40.8 32.5 48.7

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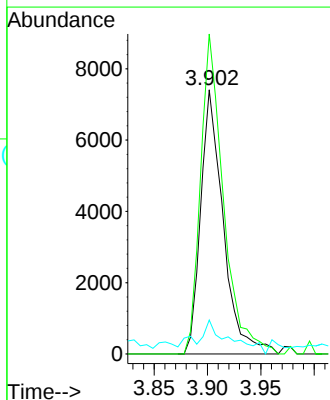
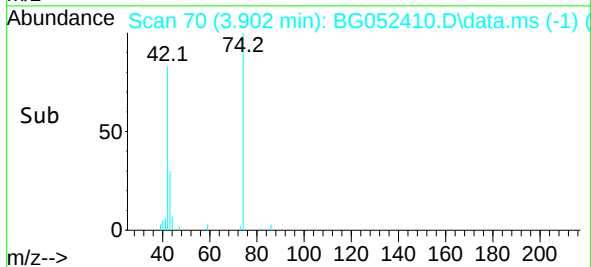
Reviewed By :Christian Giraldo 02/17/2022
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#4
n-Nitrosodimethylamine
Concen: 10.384 ng
RT: 3.902 min Scan# 70
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



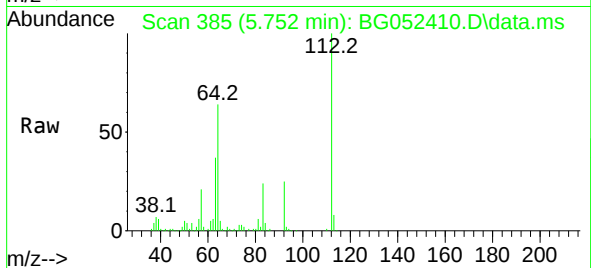
Tgt Ion: 42 Resp: 10916
Ion Ratio Lower Upper
42 100
74 121.1 83.0 124.4
44 12.8 5.0 7.6





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

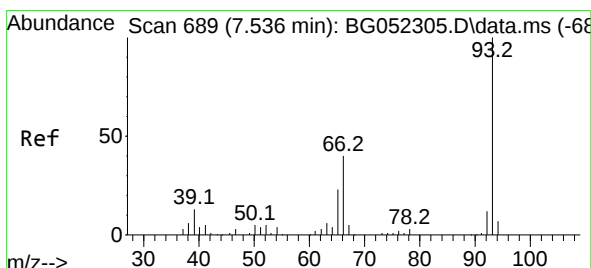
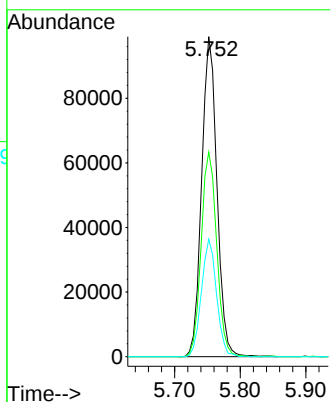
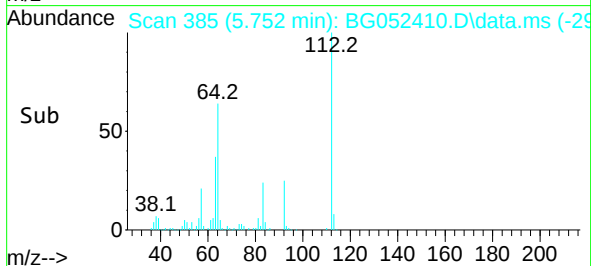
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

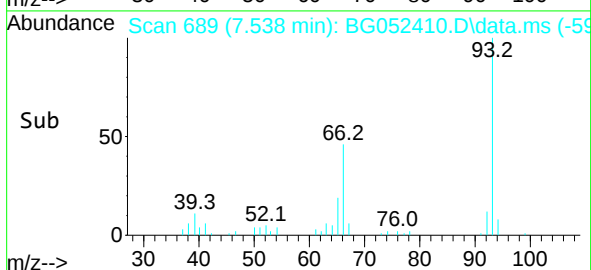
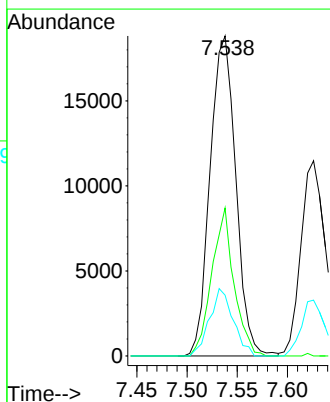
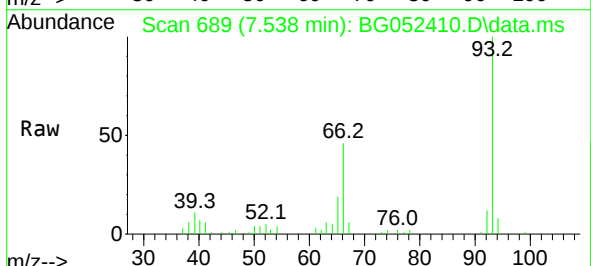
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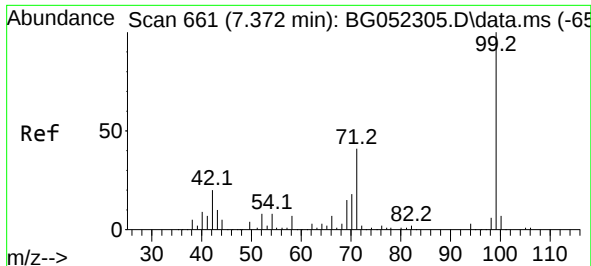
Reviewed By :Christian Giraldo 02/17/2022
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#6
Aniline
Concen: 12.286 ng
RT: 7.538 min Scan# 689
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

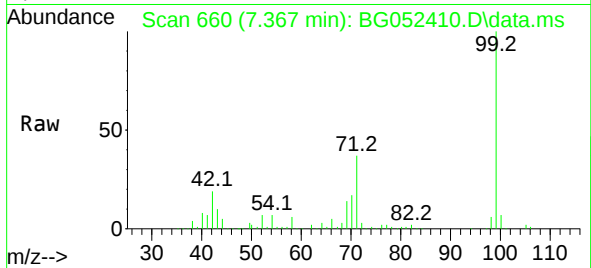
Tgt Ion: 93 Resp: 33573
Ion Ratio Lower Upper
93 100
66 46.3 34.3 51.5
65 19.0 17.6 26.4





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

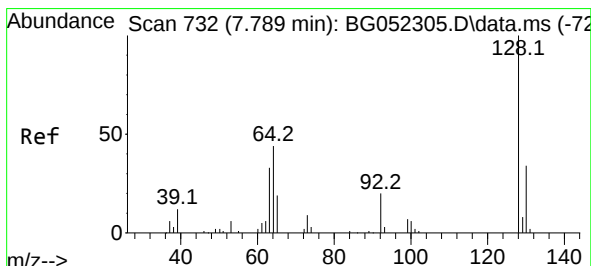
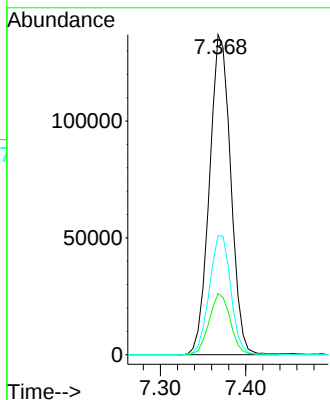
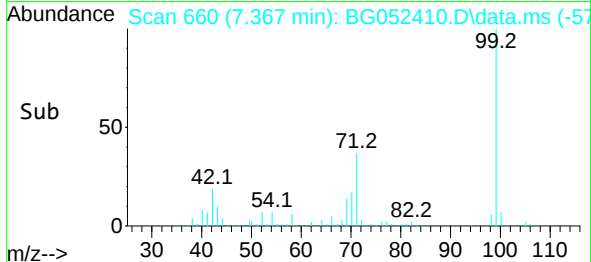
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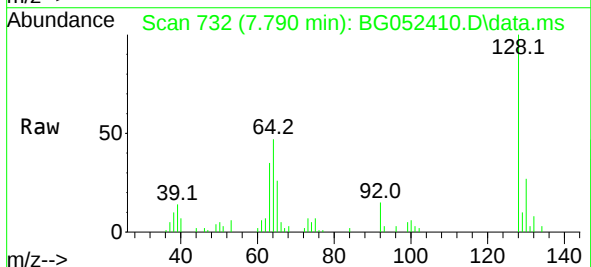
Tgt Ion: 99 Resp: 237490
Ion Ratio Lower Upper
99 100
42 19.1 19.1 28.7
71 37.2 33.4 50.2

Manual Integrations
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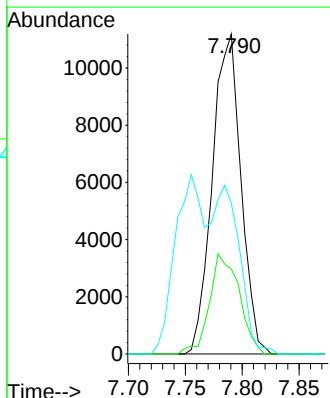
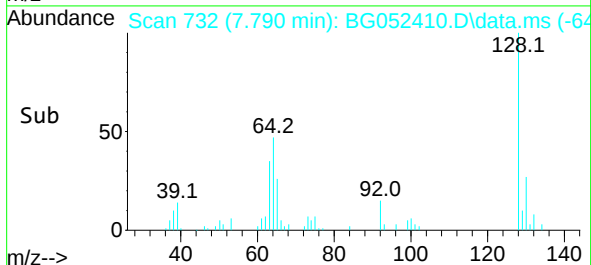
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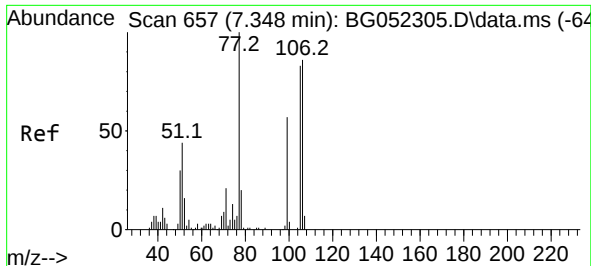


#8
2-Chlorophenol
Concen: 11.677 ng
RT: 7.790 min Scan# 732
Delta R.T. 0.001 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



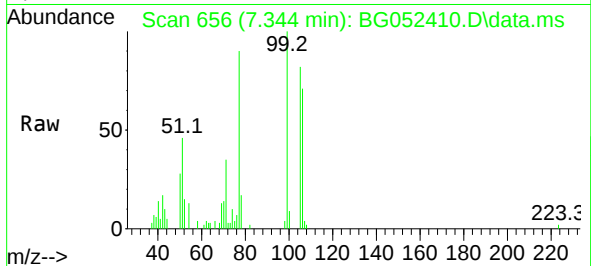
Tgt Ion:128 Resp: 19583
Ion Ratio Lower Upper
128 100
130 26.5 13.6 53.6
64 47.0 37.8 77.8





#9
Benzaldehyde
Concen: 11.499 ng
RT: 7.344 min Scan# 610
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

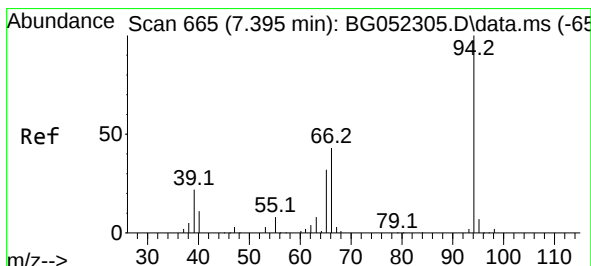
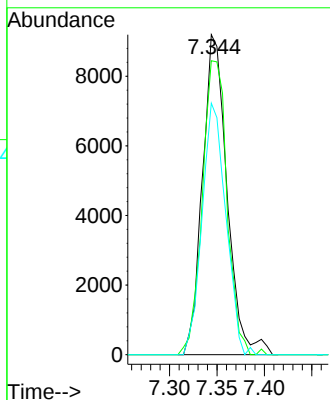
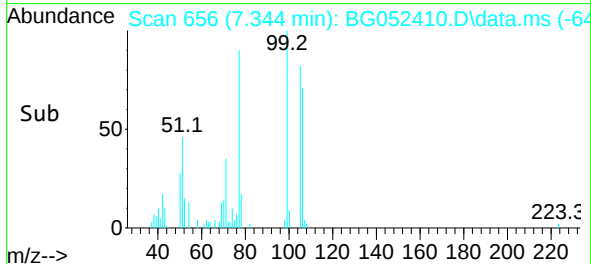
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Tgt Ion: 77 Resp: 1660
Ion Ratio Lower Upper
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106 78.6 58.1 98.1

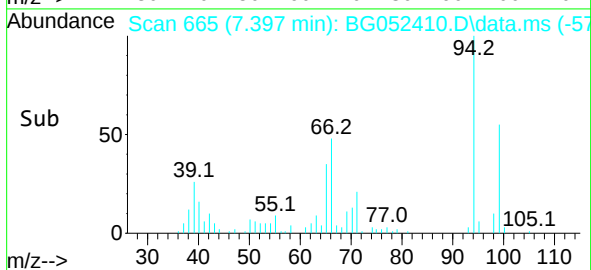
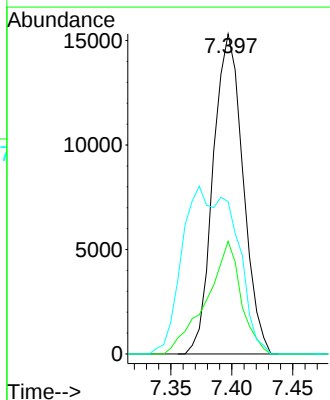
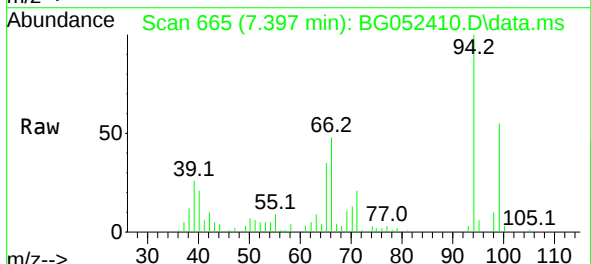
Manual Integrations
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Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

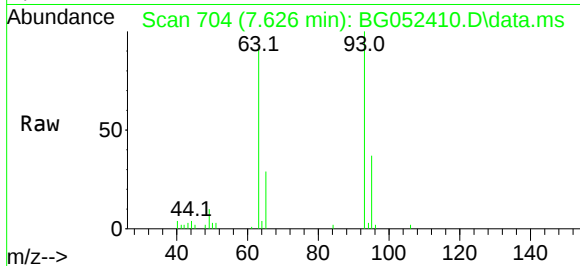
Tgt Ion: 94 Resp: 26052
Ion Ratio Lower Upper
94 100
65 35.2 14.1 54.1
66 47.6 26.6 66.6





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

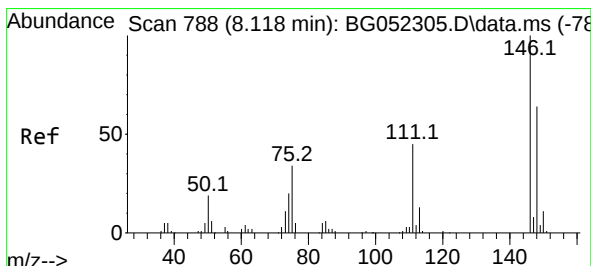
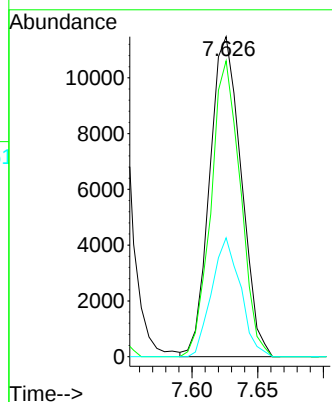
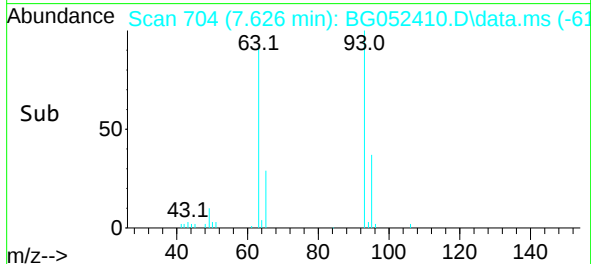
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



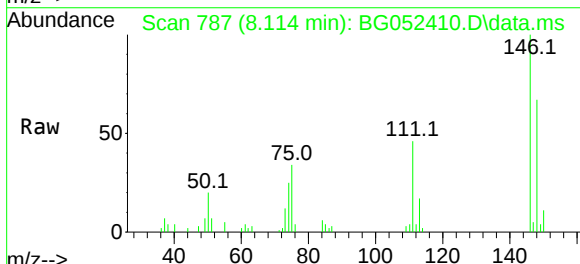
Tgt Ion: 93 Resp: 1919
Ion Ratio Lower Upper
93 100
63 92.4 67.1 107.1
95 37.1 13.0 53.0

Manual Integrations
APPROVED

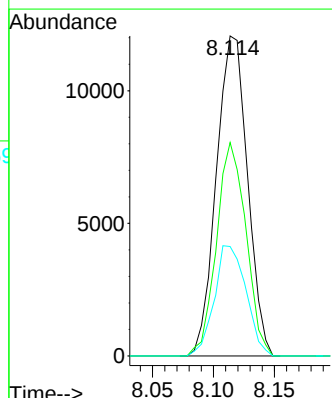
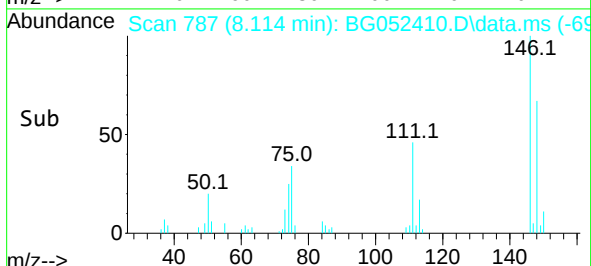
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

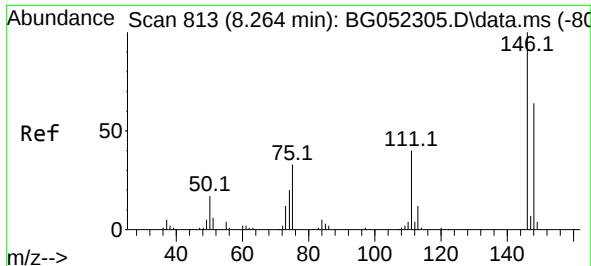


#12
1,3-Dichlorobenzene
Concen: 11.232 ng
RT: 8.114 min Scan# 787
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



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





#13

1,4-Dichlorobenzene

Concen: 11.264 ng

RT: 8.260 min Scan# 813

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

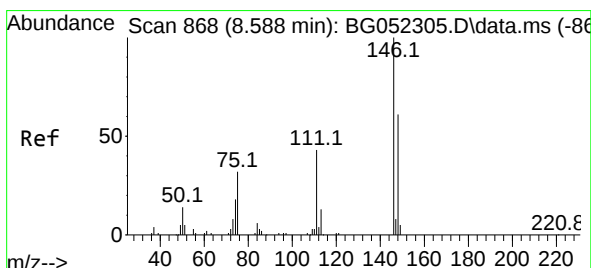
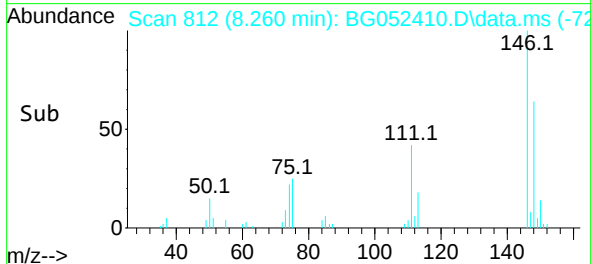
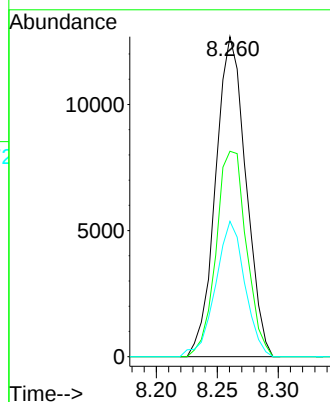
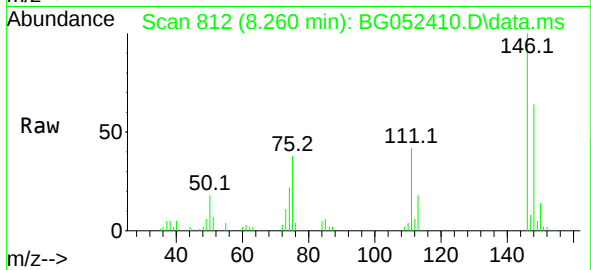
ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:146	Resp:	21940
Ion Ratio	Lower	Upper
146	100	
148	64.2	52.6 78.8
111	42.3	33.8 50.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#14

1,2-Dichlorobenzene

Concen: 11.271 ng

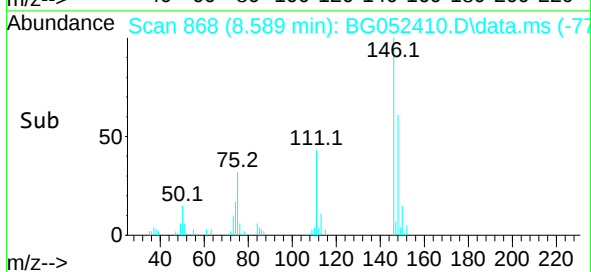
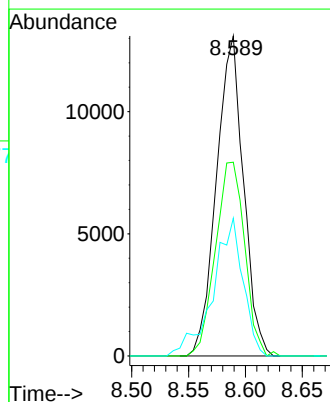
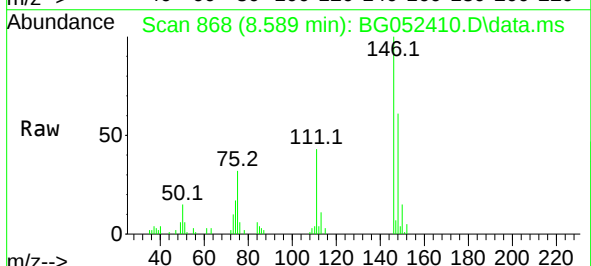
RT: 8.589 min Scan# 868

Delta R.T. 0.002 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

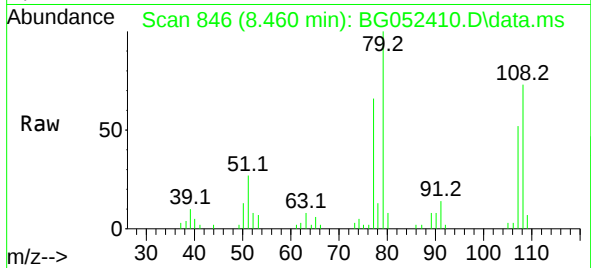
Tgt Ion:146	Resp:	21653
Ion Ratio	Lower	Upper
146	100	
148	60.5	46.5 69.7
111	43.0	37.0 55.4





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

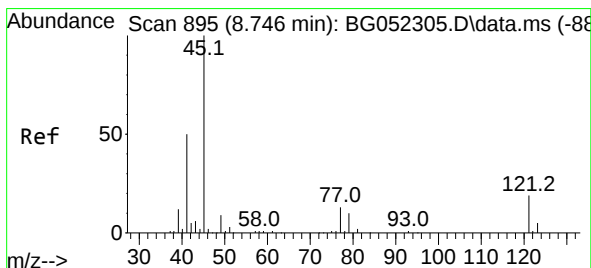
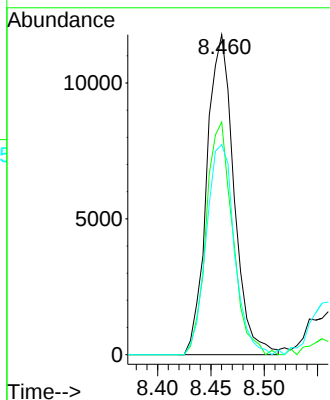
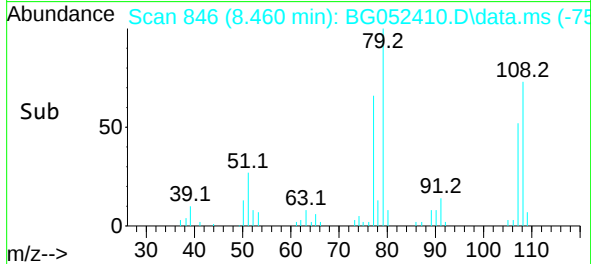
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



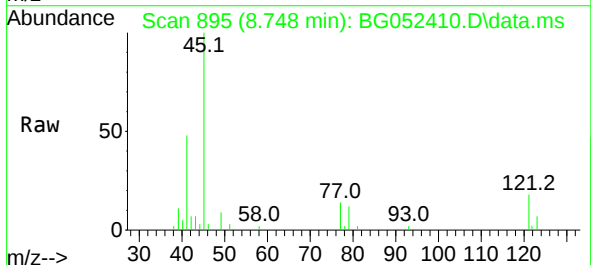
Tgt Ion: 79 Resp: 20818
Ion Ratio Lower Upper
79 100
108 72.7 53.8 80.6
77 65.7 54.4 81.6

Manual Integrations
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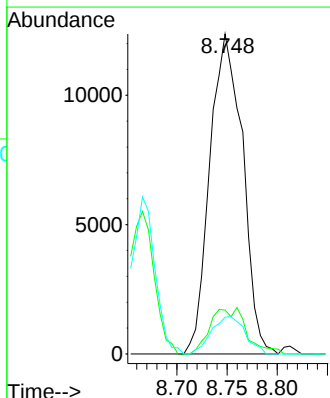
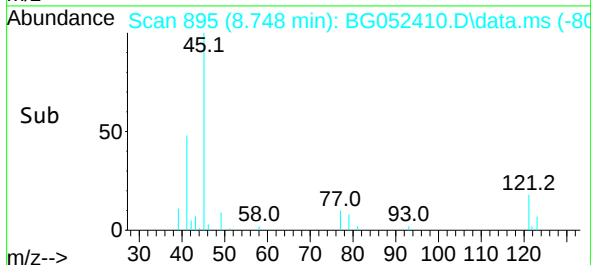
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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



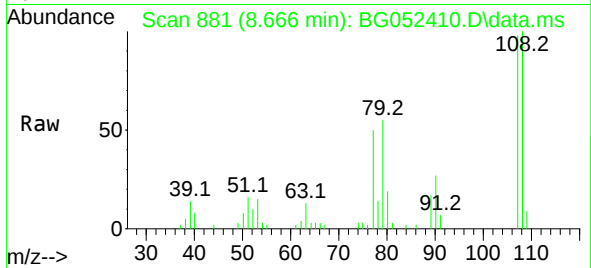
Tgt Ion: 45 Resp: 28098
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.8
79 11.5 0.0 31.1





#17
2-Methylphenol
Concen: 11.816 ng
RT: 8.666 min Scan# 881
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

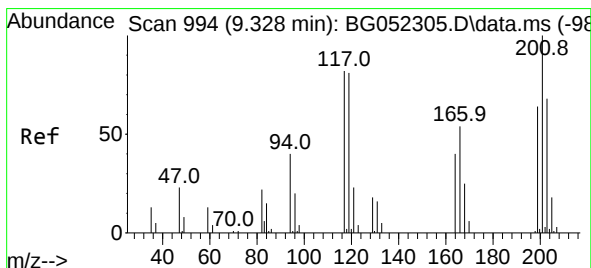
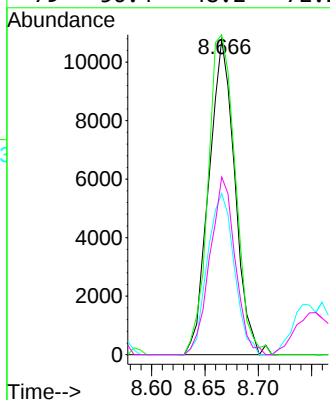
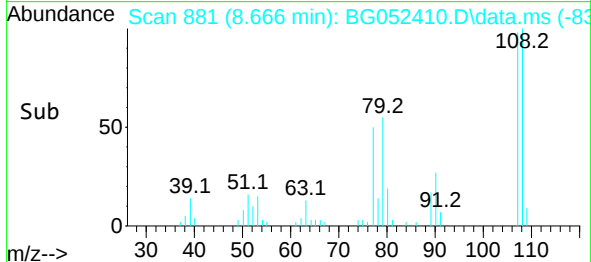
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



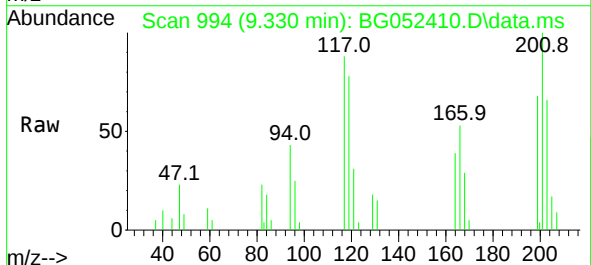
Tgt Ion:107 Resp: 1822
Ion Ratio Lower Upper
107 100
108 101.6 90.3 135.5
77 51.1 49.0 73.6
79 56.4 48.2 72.2

Manual Integrations
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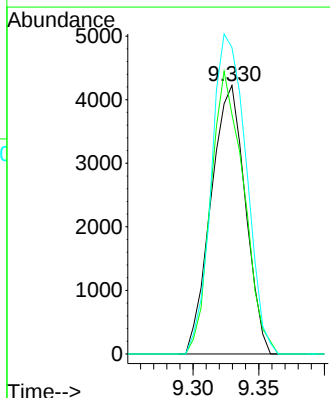
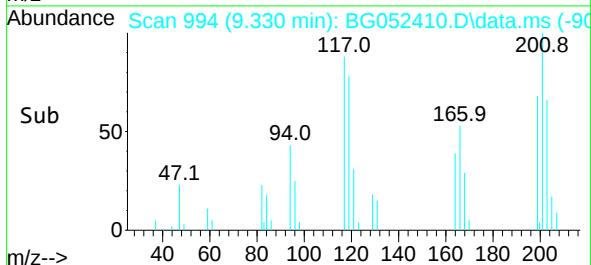
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

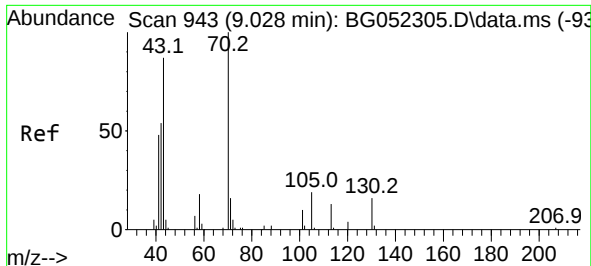


#18
Hexachloroethane
Concen: 11.310 ng
RT: 9.330 min Scan# 994
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



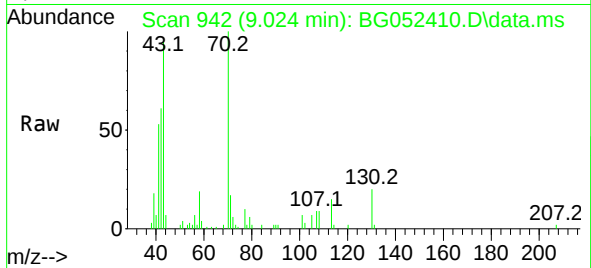
Tgt Ion:117 Resp: 7660
Ion Ratio Lower Upper
117 100
119 89.2 73.5 110.3
201 114.1 91.0 136.6





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

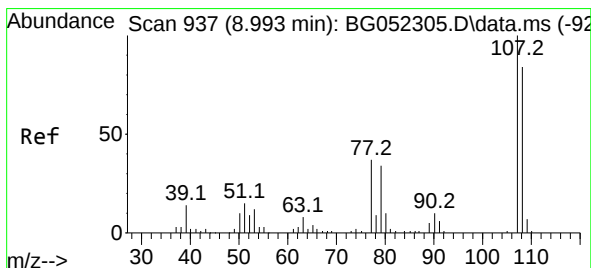
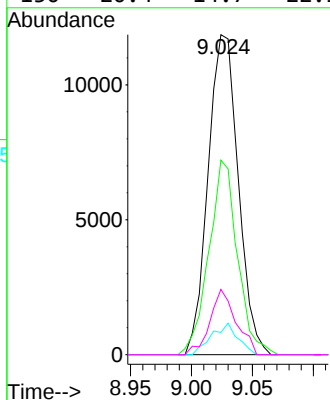
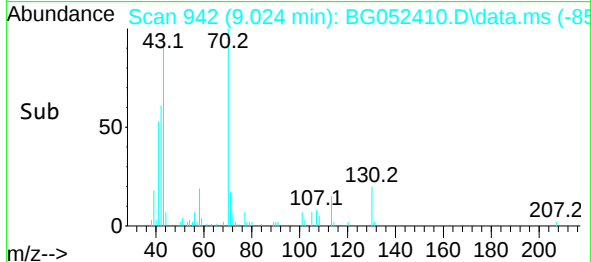
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



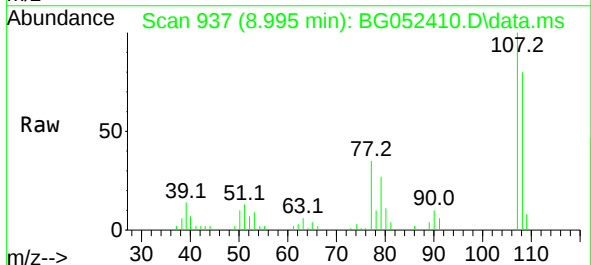
Tgt Ion: 70 Resp: 2039
Ion Ratio Lower Upper
70 100
42 60.8 51.8 77.6
101 7.0 6.6 10.0
130 20.4 14.7 22.1

Manual Integrations
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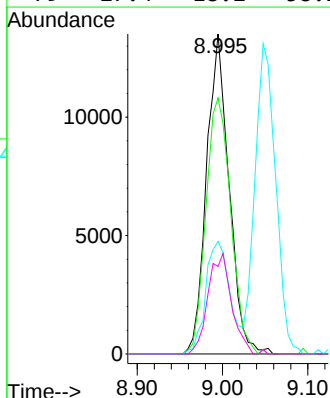
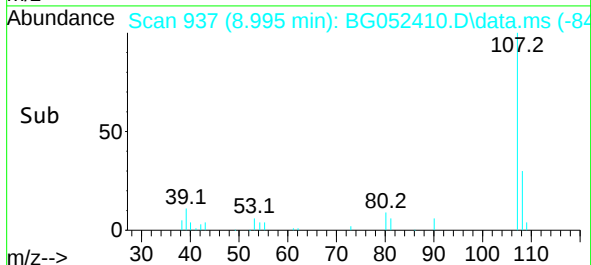
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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



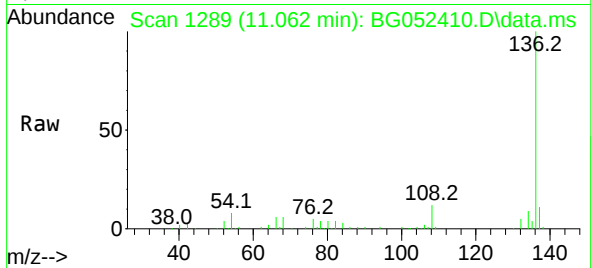
Tgt Ion:107 Resp: 24729
Ion Ratio Lower Upper
107 100
108 80.0 71.9 111.9
77 35.2 24.6 64.6
79 27.4 18.2 58.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

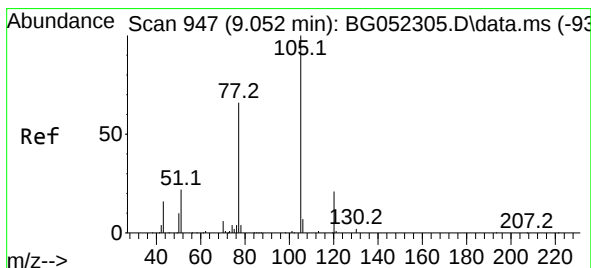
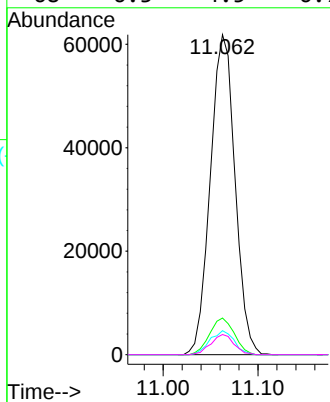
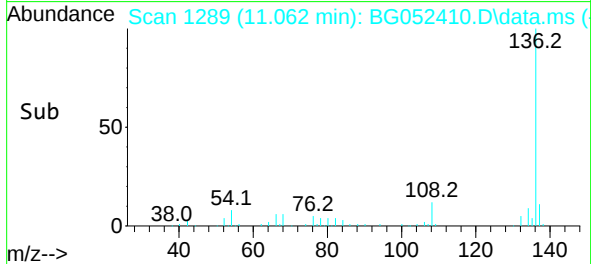
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT4-2021



Tgt Ion:136 Resp: 11186
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.5 8.3 12.5
68 6.3 4.5 6.7

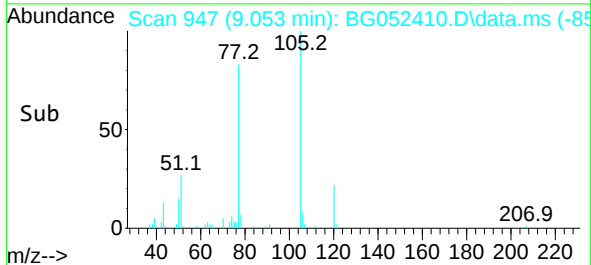
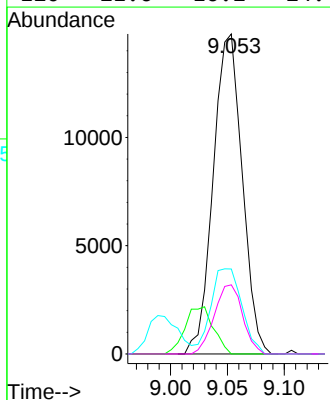
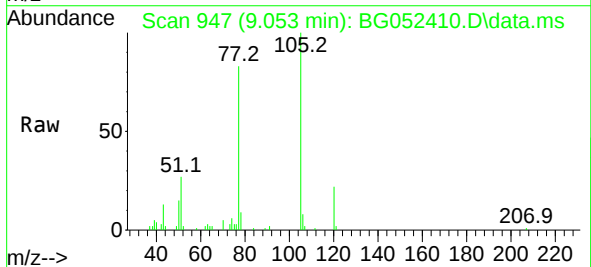
Manual Integrations
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Supervised By :Jagrut Upadhyay 02/17/2022



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

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





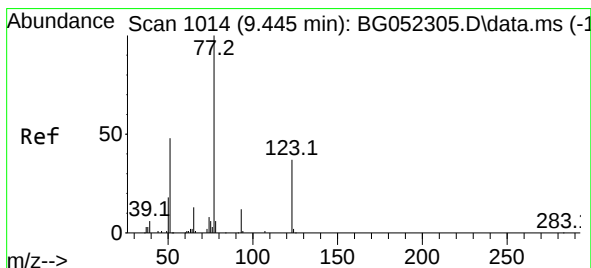
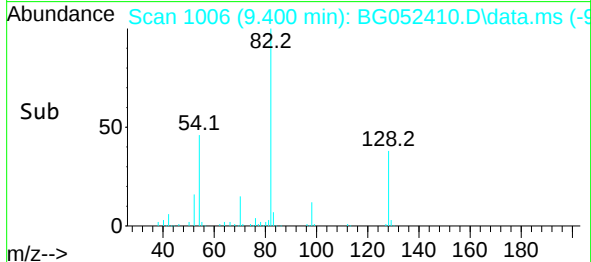
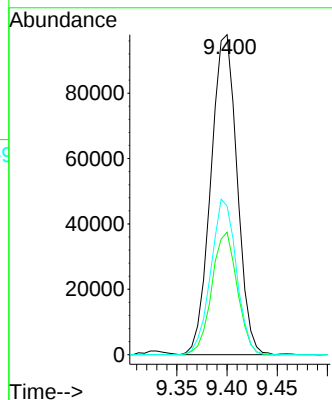
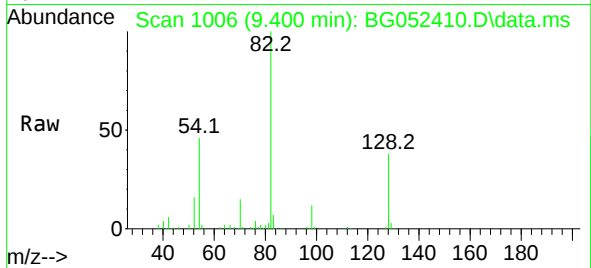
#23
Nitrobenzene-d5
Concen: 69.277 ng
RT: 9.400 min Scan# 1006
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion: 82 Resp: 178300
Ion Ratio Lower Upper
82 100
128 38.3 27.0 40.4
54 46.4 41.0 61.6

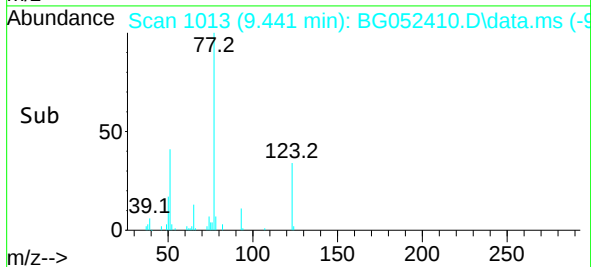
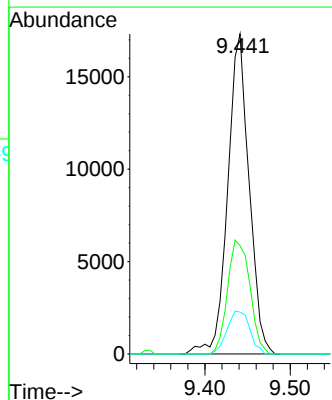
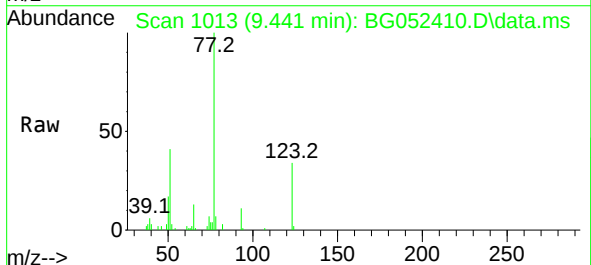
Manual Integrations
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Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#24
Nitrobenzene
Concen: 12.325 ng
RT: 9.441 min Scan# 1013
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 77 Resp: 30092
Ion Ratio Lower Upper
77 100
123 33.9 27.1 40.7
65 13.1 11.2 16.8





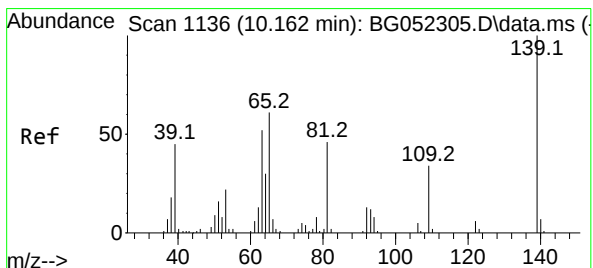
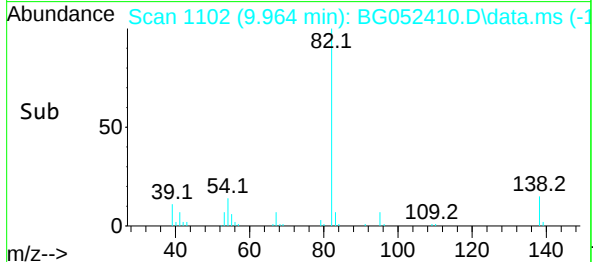
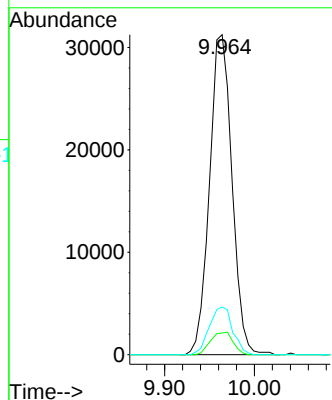
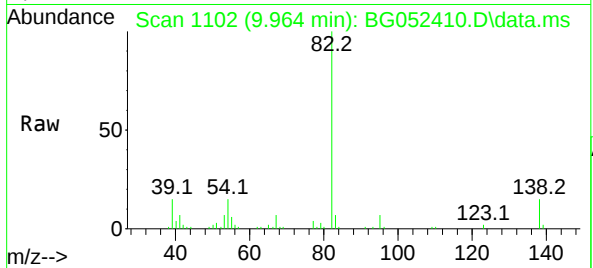
#25
Isophorone
Concen: 12.414 ng
RT: 9.964 min Scan# 1103
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion: 82 Resp: 5436
Ion Ratio Lower Upper
82 100
95 6.8 6.6 9.8
138 14.9 12.5 18.7

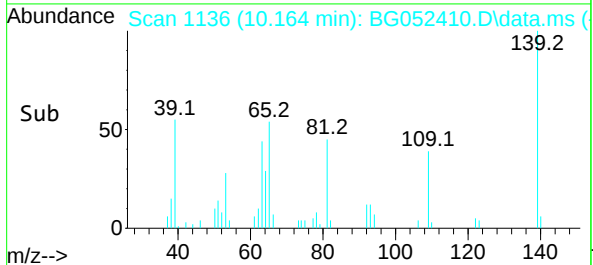
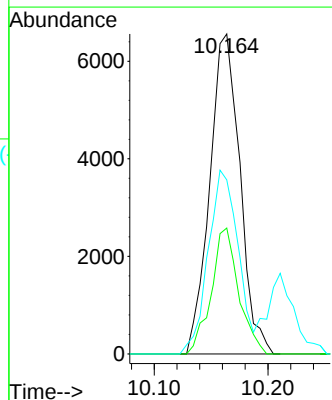
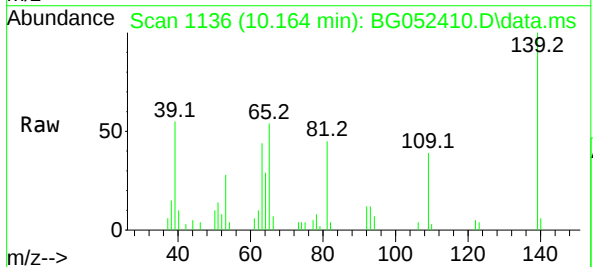
Manual Integrations
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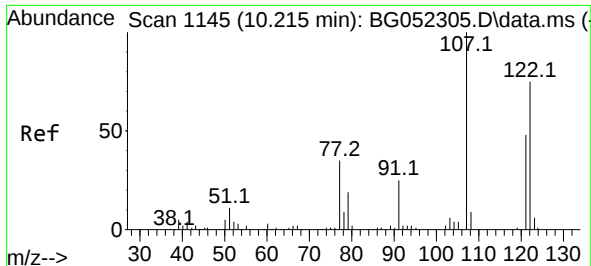
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





#27

2,4-Dimethylphenol

Concen: 13.500 ng

RT: 10.211 min Scan# 1145

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

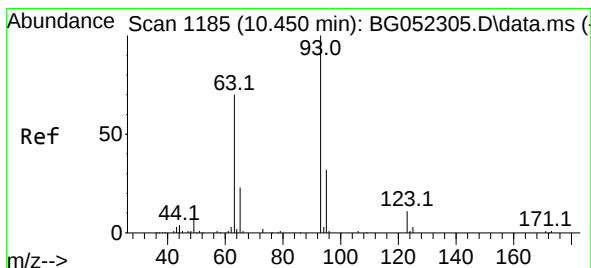
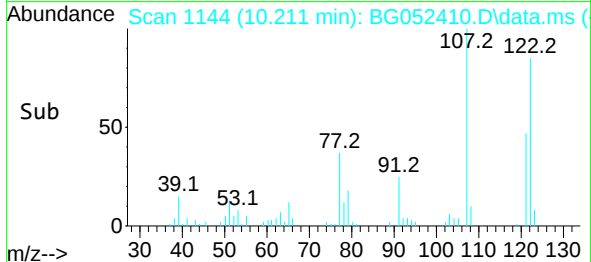
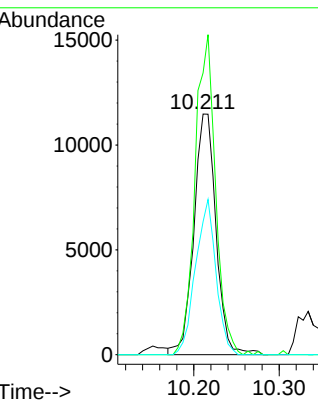
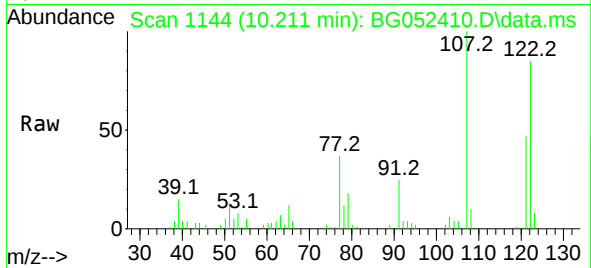
LOQ-SOIL-02-QT4-2021

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

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 12.005 ng

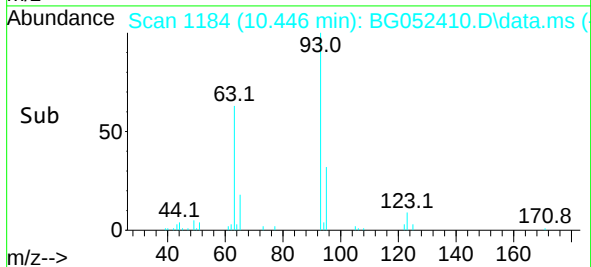
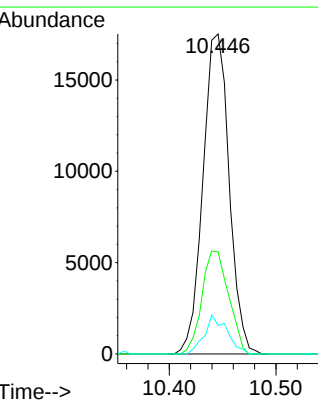
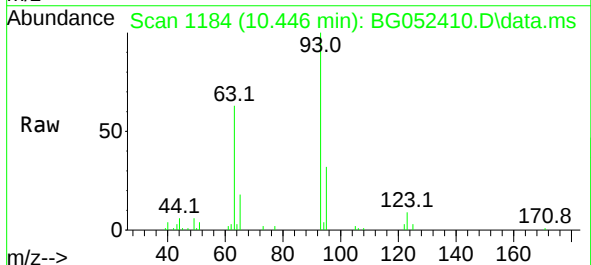
RT: 10.446 min Scan# 1184

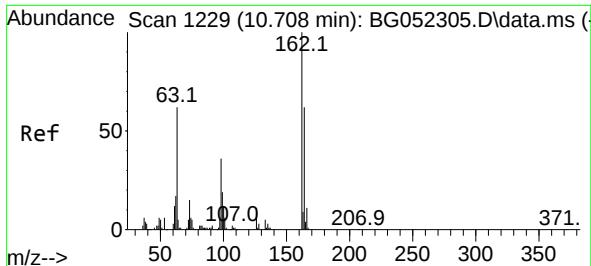
Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

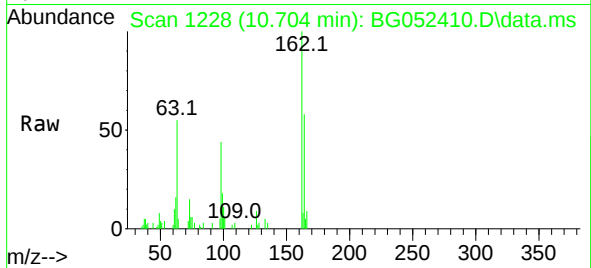
Tgt Ion: 93 Resp: 29836
 Ion Ratio Lower Upper
 93 100
 95 31.9 26.1 39.1
 123 9.0 7.6 11.4





#29
2,4-Dichlorophenol
Concen: 11.204 ng
RT: 10.704 min Scan# 1228
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

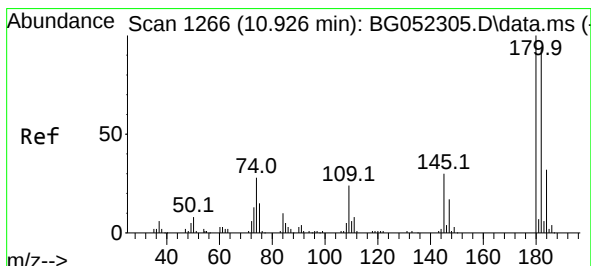
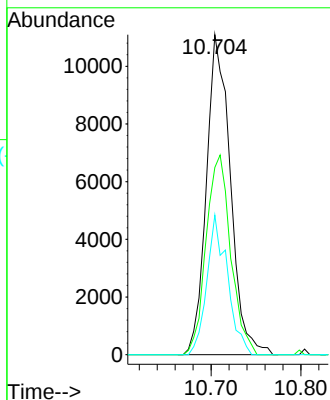
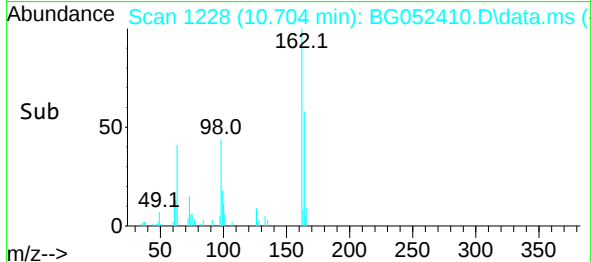
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:162 Resp: 20570
Ion Ratio Lower Upper
162 100
164 58.5 44.3 84.3
98 43.6 17.2 57.2

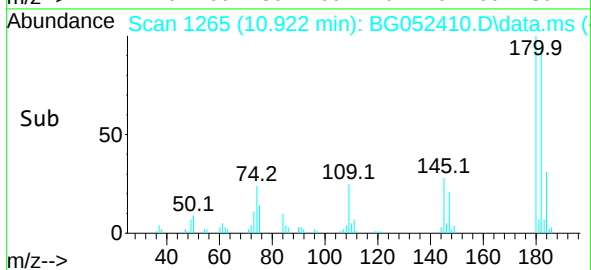
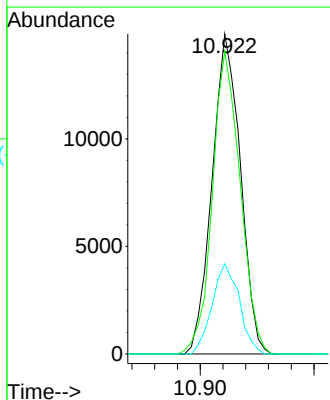
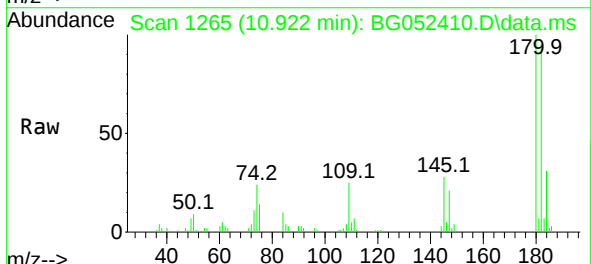
Manual Integrations
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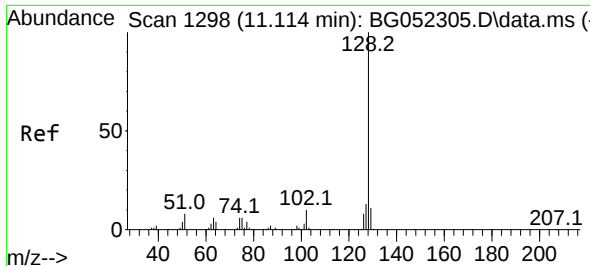
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#30
1,2,4-Trichlorobenzene
Concen: 11.990 ng
RT: 10.922 min Scan# 1265
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:180 Resp: 25712
Ion Ratio Lower Upper
180 100
182 94.6 76.1 114.1
145 28.2 24.0 36.0





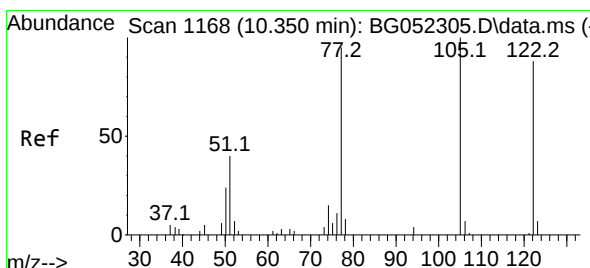
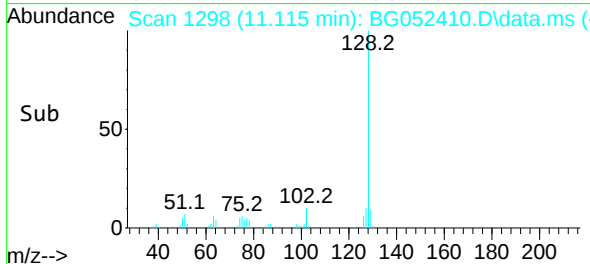
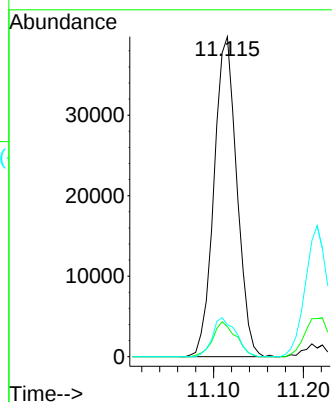
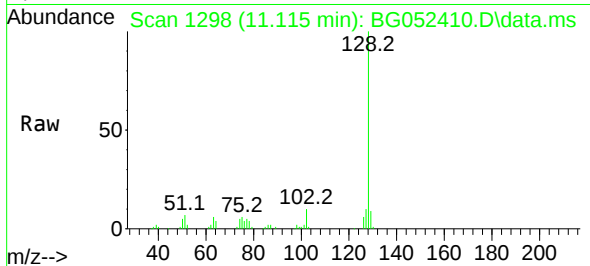
#31
Naphthalene
Concen: 11.949 ng
RT: 11.115 min Scan# 1107
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion:128 Resp: 7007
Ion Ratio Lower Upper
128 100
129 9.4 9.8 14.6
127 10.0 12.0 18.0

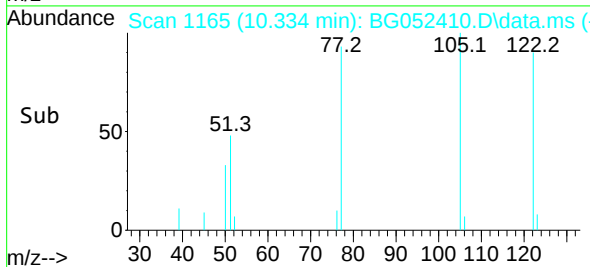
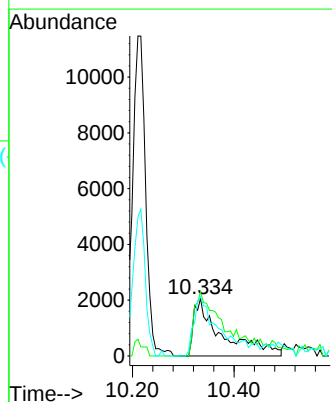
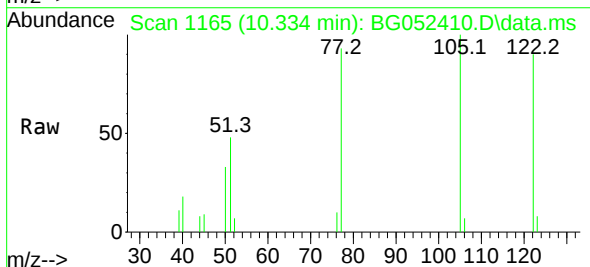
Manual Integrations
APPROVED

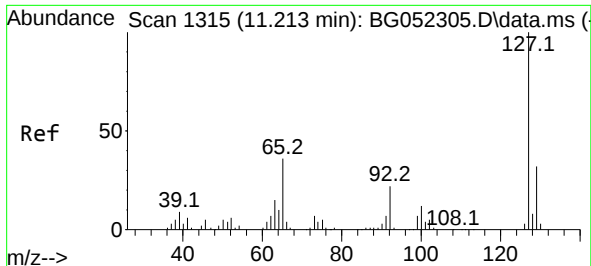
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#32
Benzoic acid
Concen: 8.710 ng m
RT: 10.334 min Scan# 1165
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

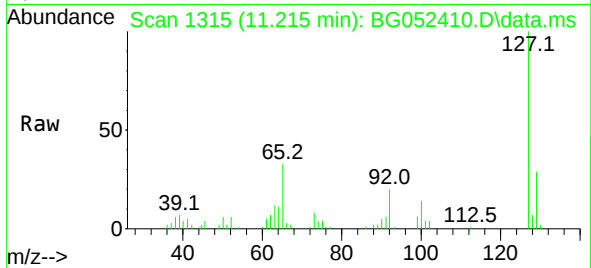
Tgt Ion:122 Resp: 7838
Ion Ratio Lower Upper
122 100
105 111.1 109.2 149.2
77 102.9 92.8 132.8





#33
4-Chloroaniline
Concen: 11.967 ng
RT: 11.215 min Scan# 1315
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

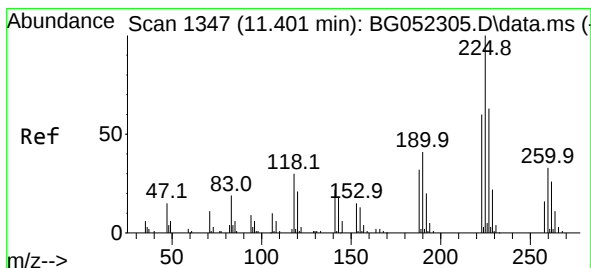
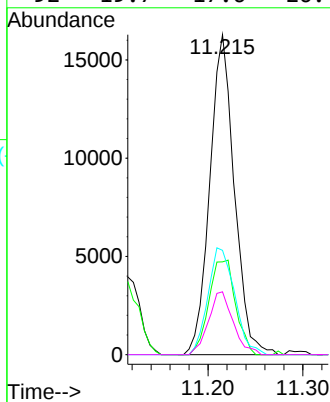
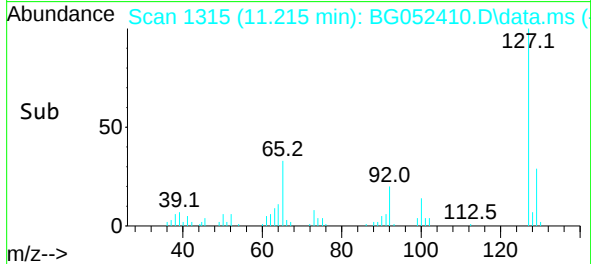
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



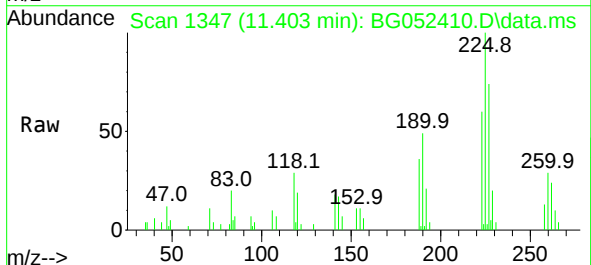
Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.0	27.0	40.6
65	32.6	28.7	43.1
92	19.7	17.6	26.4

Manual Integrations
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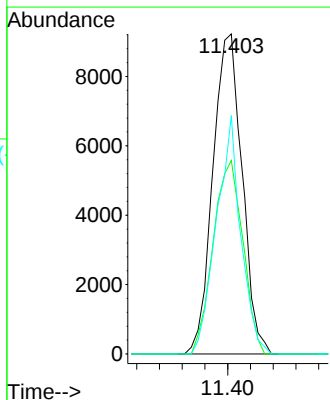
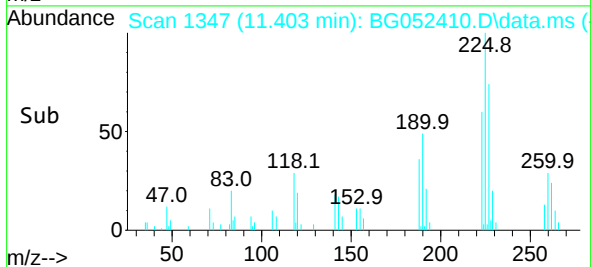
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

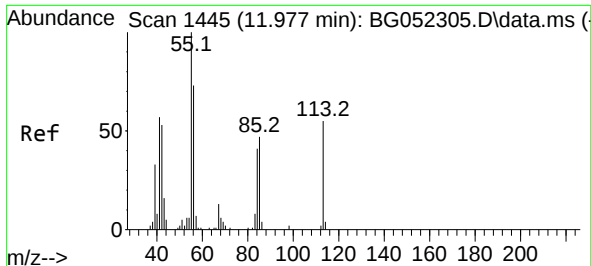


#34
Hexachlorobutadiene
Concen: 11.364 ng
RT: 11.403 min Scan# 1347
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



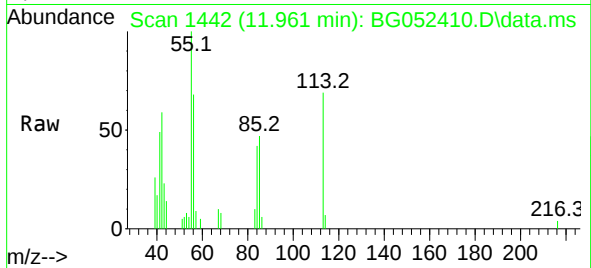
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.6	77.4
227	74.5	53.9	80.9





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

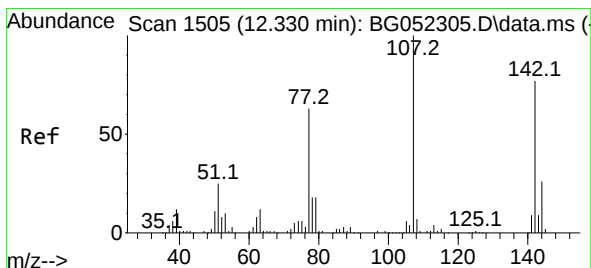
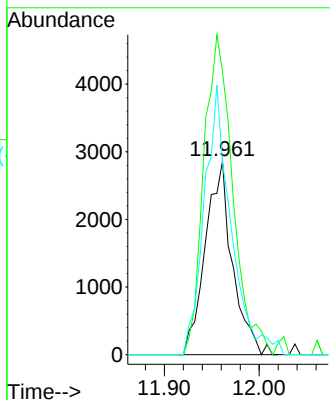
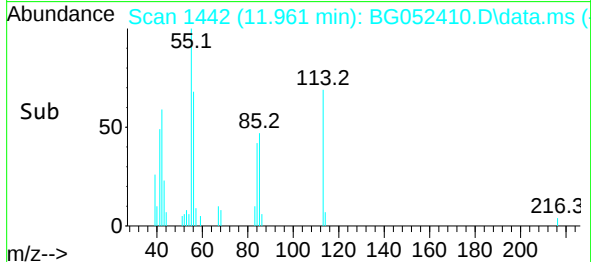
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



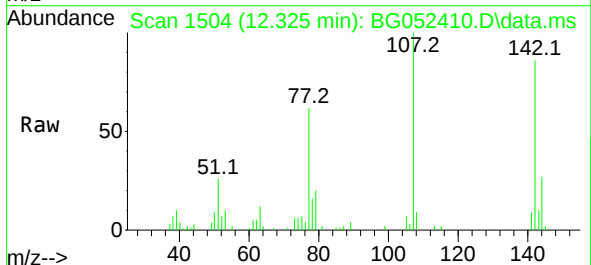
Tgt Ion:113 Resp: 5658
 Ion Ratio Lower Upper
 113 100
 55 145.7 161.4 201.4
 56 98.8 132.6 172.6

Manual Integrations
 APPROVED

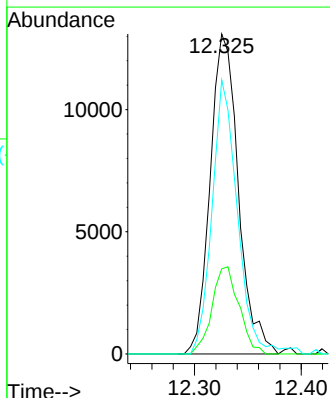
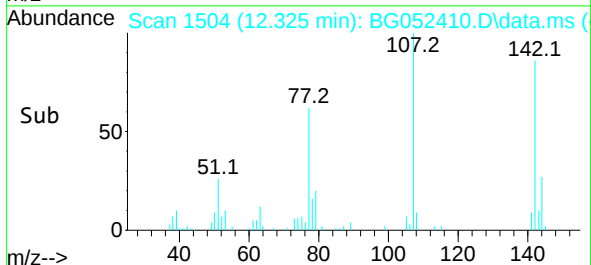
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022

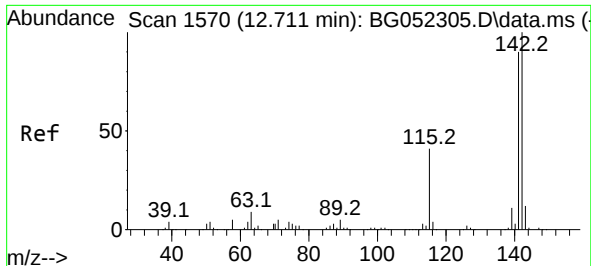


#36
 4-Chloro-3-methylphenol
 Concen: 11.493 ng
 RT: 12.325 min Scan# 1504
 Delta R.T. -0.004 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48



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





#37

2-Methylnaphthalene

Concen: 12.211 ng

RT: 12.707 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

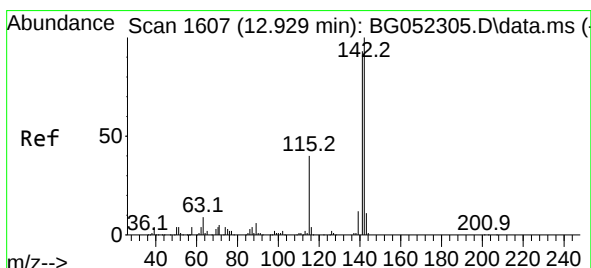
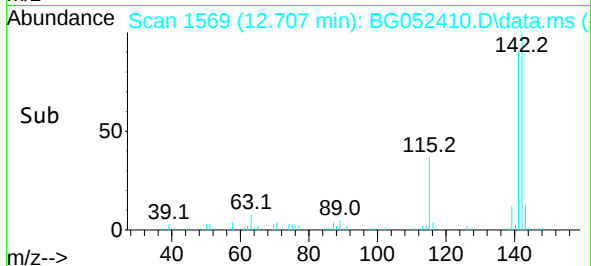
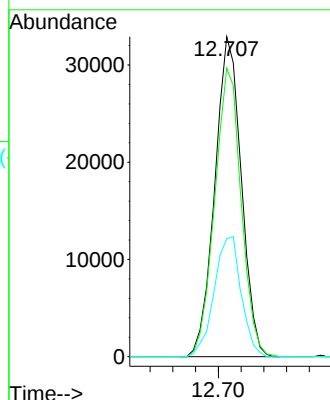
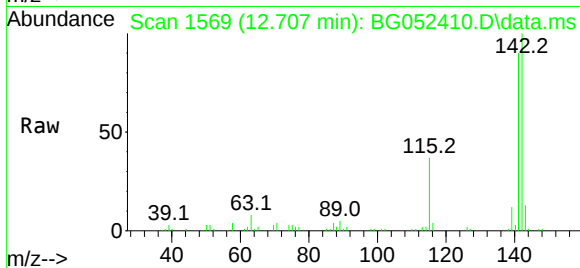
Tgt Ion:142 Resp: 5318

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.7	107.5
115	36.9	32.2	48.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#38

1-Methylnaphthalene

Concen: 12.103 ng

RT: 12.925 min Scan# 1606

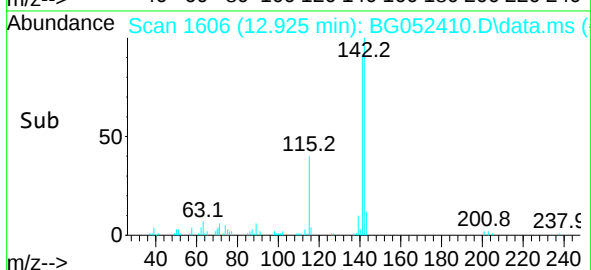
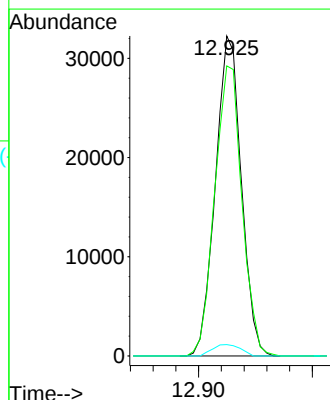
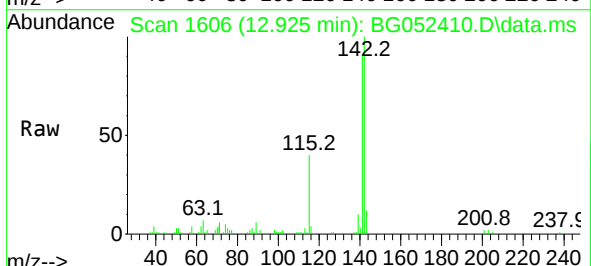
Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Tgt Ion:142 Resp: 51082

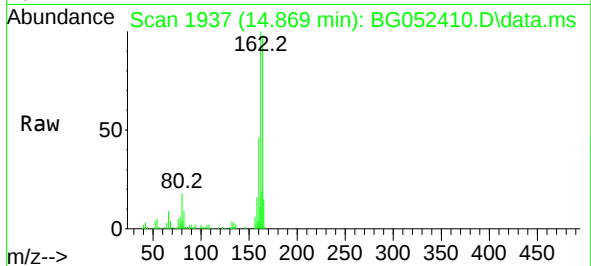
Ion	Ratio	Lower	Upper
142	100		
141	90.6	75.0	112.4
116	3.5	4.2	6.4





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

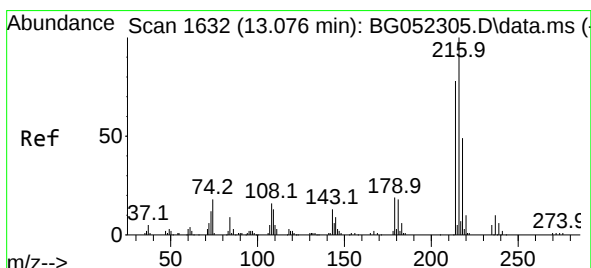
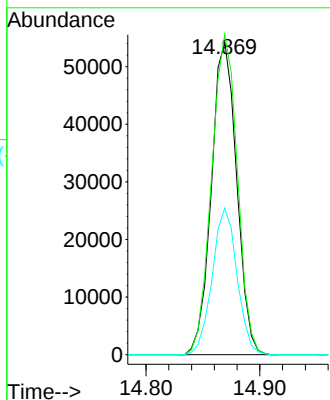
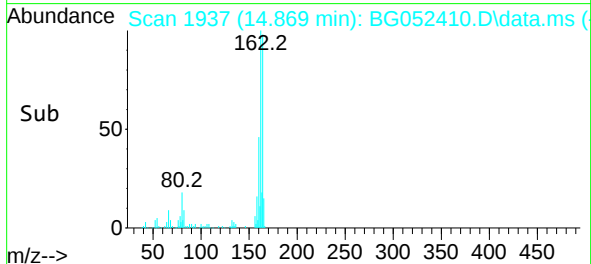
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



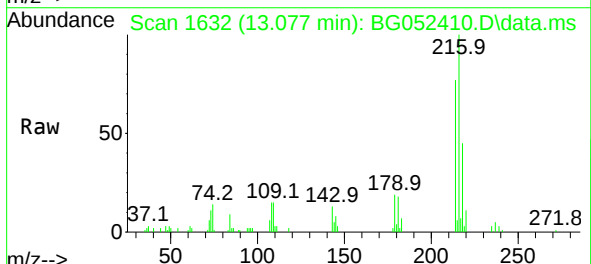
Tgt Ion:164 Resp: 83630
Ion Ratio Lower Upper
164 100
162 102.4 82.2 123.2
160 46.9 36.2 54.2

Manual Integrations
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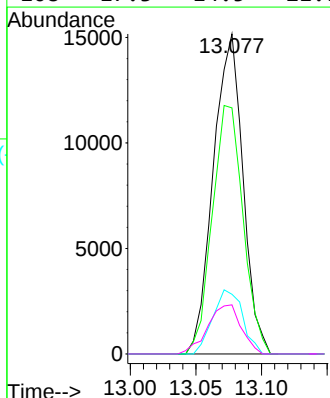
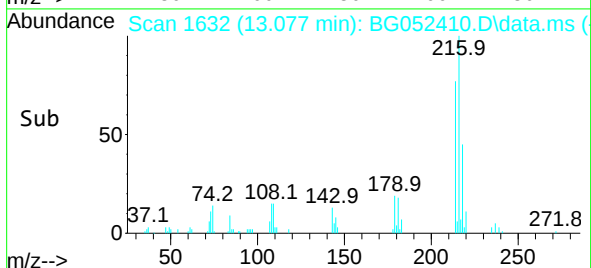
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

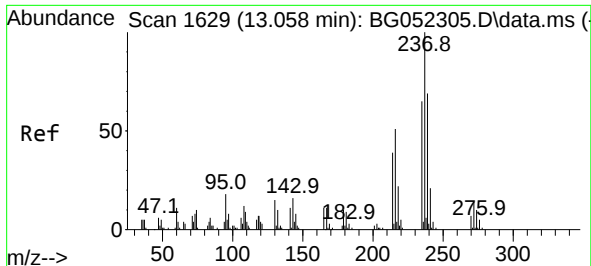


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.651 ng
RT: 13.077 min Scan# 1632
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



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





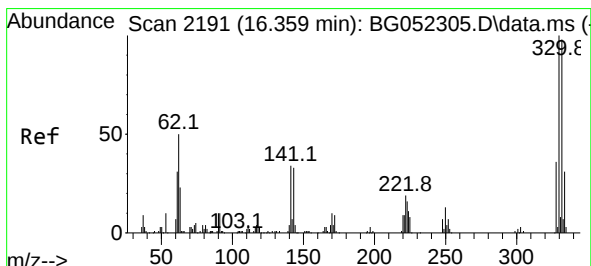
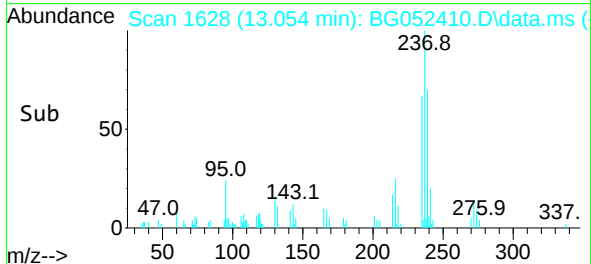
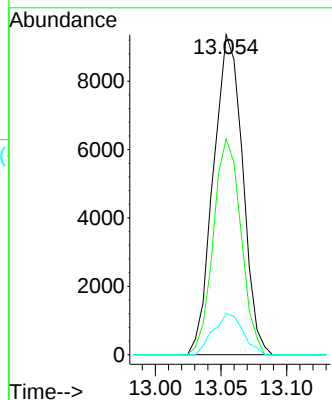
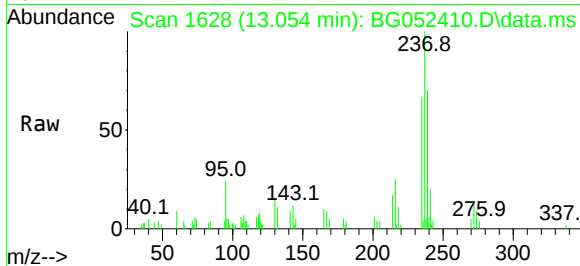
#41
Hexachlorocyclopentadiene
Concen: 12.468 ng
RT: 13.054 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion:237 Resp: 1448
Ion Ratio Lower Upper
237 100
235 67.4 45.9 85.9
272 12.8 0.0 33.0

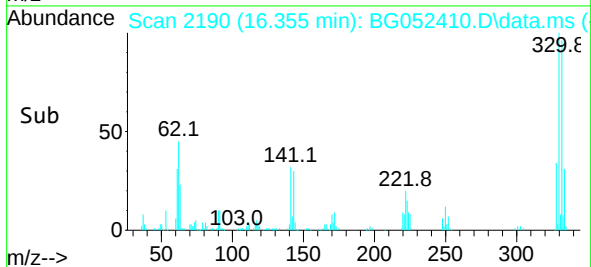
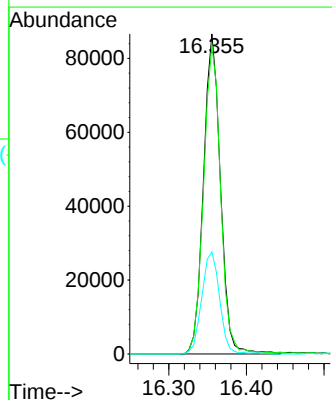
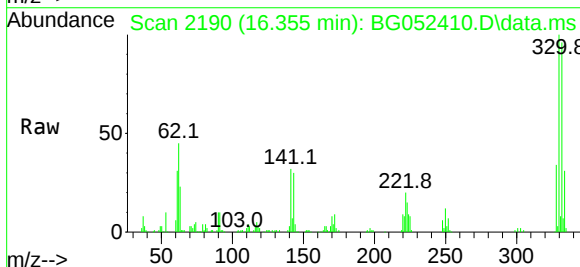
Manual Integrations
APPROVED

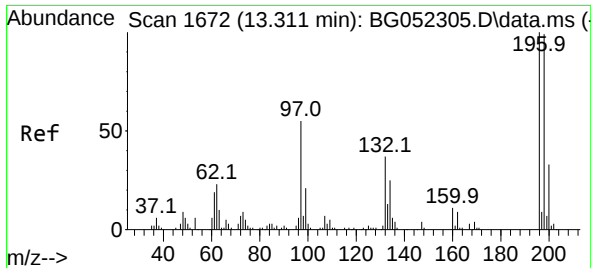
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





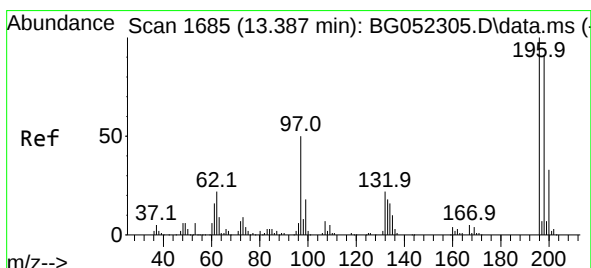
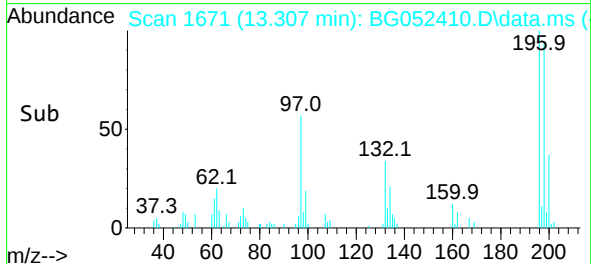
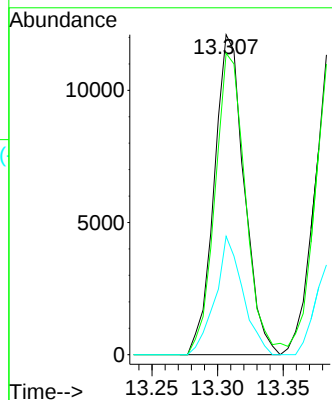
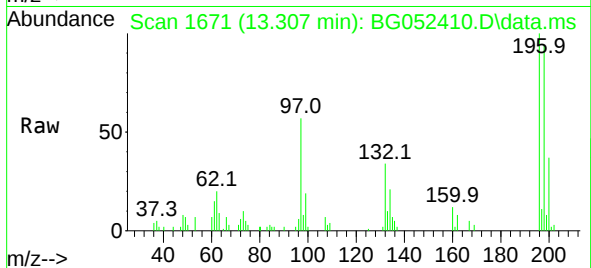
#43
2,4,6-Trichlorophenol
Concen: 10.667 ng
RT: 13.307 min Scan# 1671
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion:196 Resp: 1919
Ion Ratio Lower Upper
196 100
198 94.2 78.4 117.6
200 37.0 28.5 42.7

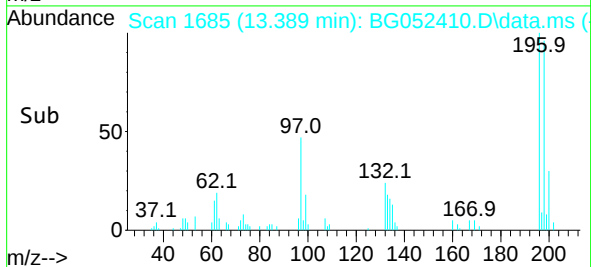
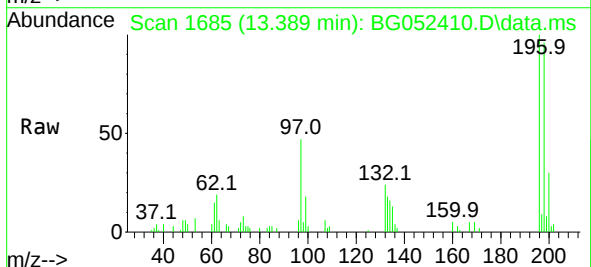
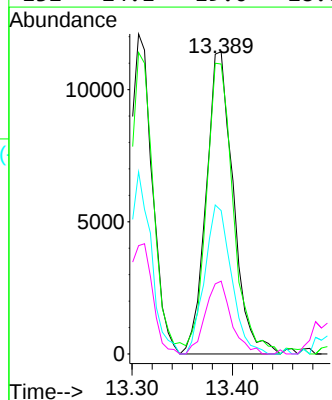
Manual Integrations
APPROVED

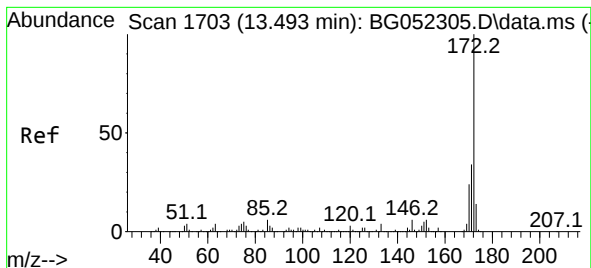
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

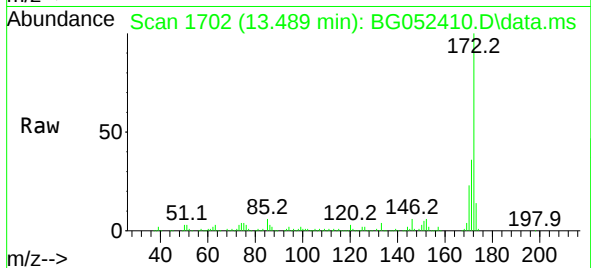
Tgt Ion:196 Resp: 21498
Ion Ratio Lower Upper
196 100
198 95.9 78.6 118.0
97 47.4 43.8 65.8
132 24.1 19.0 28.6





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

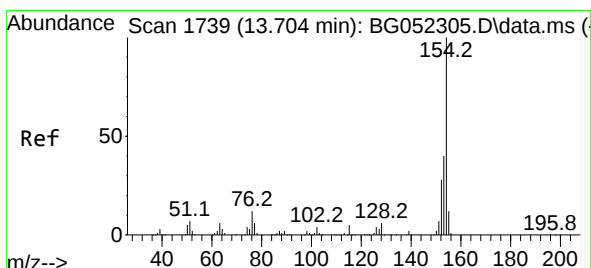
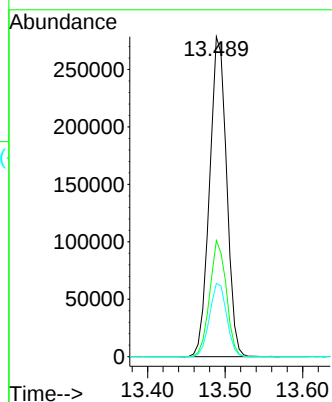
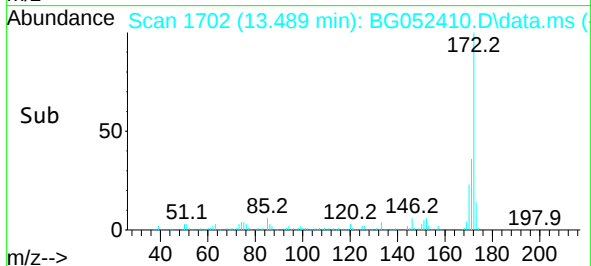
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



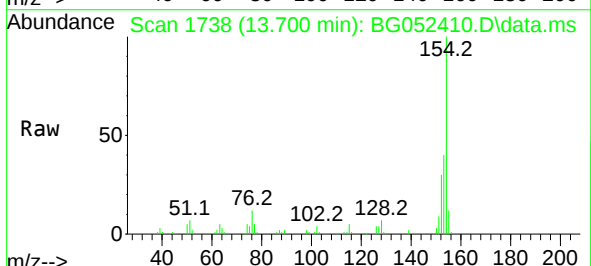
Tgt Ion:172 Resp: 425749
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 22.9 18.3 27.5

Manual Integrations
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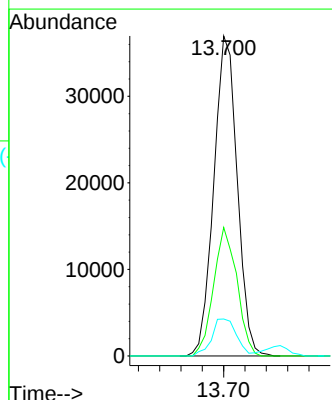
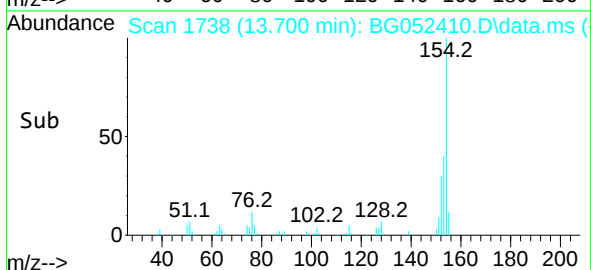
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

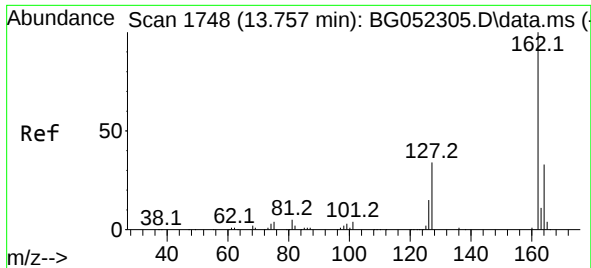


#46
1,1'-Biphenyl
Concen: 9.174 ng
RT: 13.700 min Scan# 1738
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



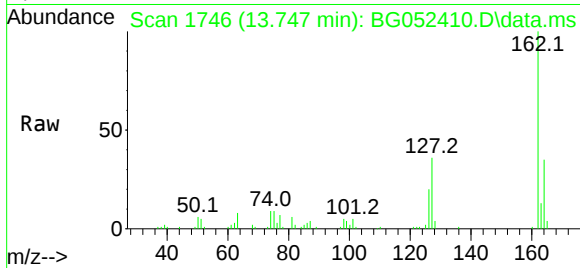
Tgt Ion:154 Resp: 56262
Ion Ratio Lower Upper
154 100
153 40.2 21.1 61.1
76 11.6 0.0 32.6





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

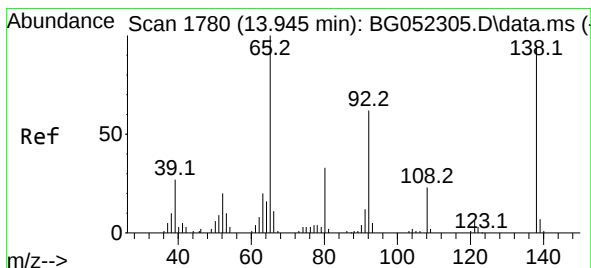
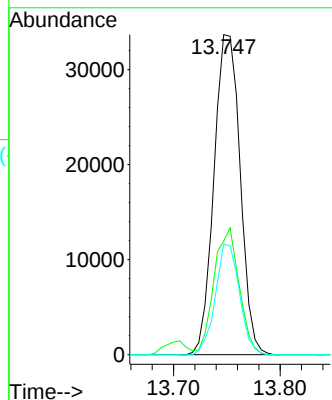
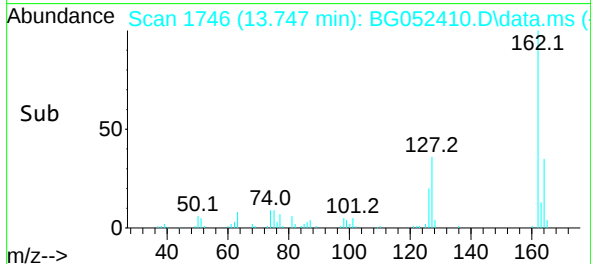
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT4-2021



Tgt Ion:162 Resp: 5740
Ion Ratio Lower Upper
162 100
127 35.6 30.4 45.6
164 34.5 25.0 37.4

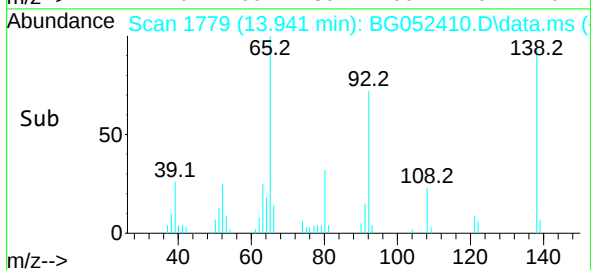
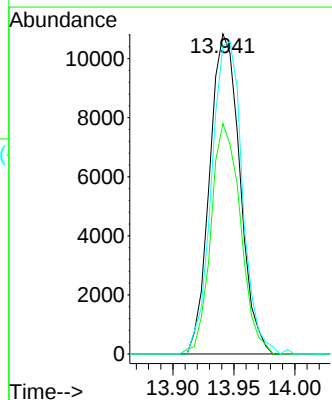
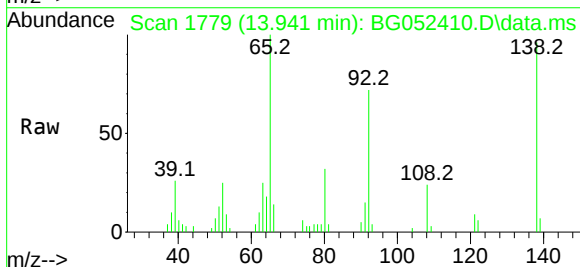
Manual Integrations
APPROVED

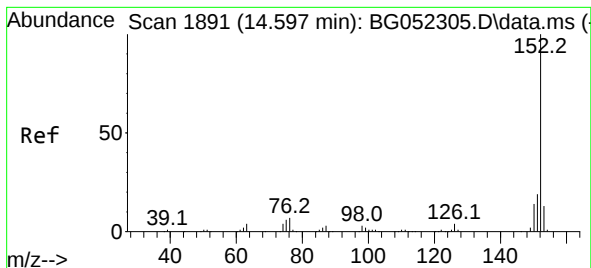
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





#49

Acenaphthylene

Concen: 13.024 ng

RT: 14.593 min Scan# 1891

Delta R.T. -0.004 min

Lab File: BG052410.D

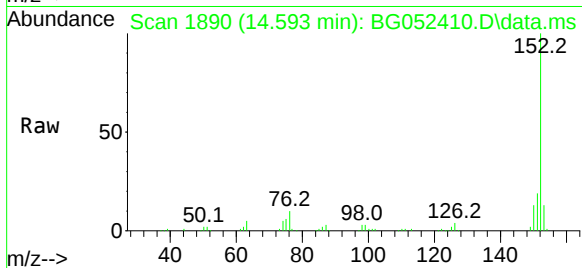
Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:152 Resp: 10017

Ion Ratio Lower Upper

152 100

151 19.0 16.1 24.1

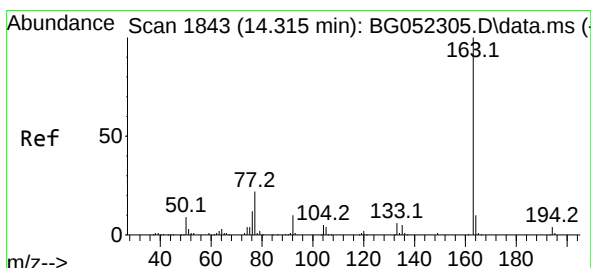
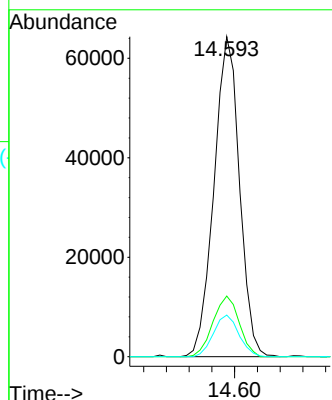
153 13.0 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2022

Supervised By :Jagrut Upadhyay 02/17/2022



#50

Dimethylphthalate

Concen: 11.974 ng

RT: 14.305 min Scan# 1841

Delta R.T. -0.010 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

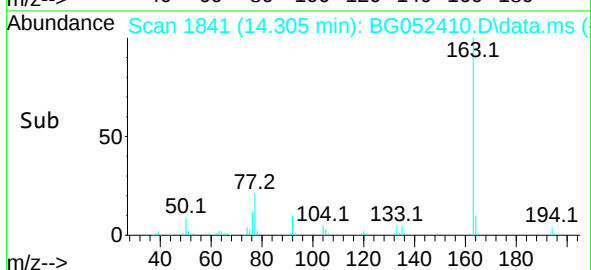
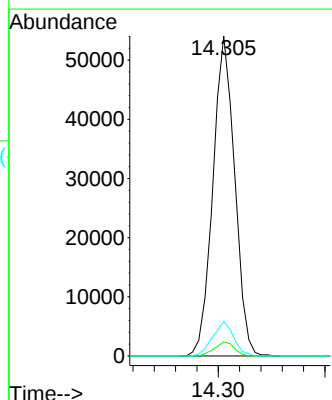
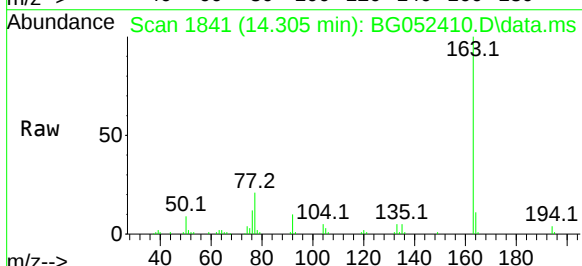
Tgt Ion:163 Resp: 76720

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

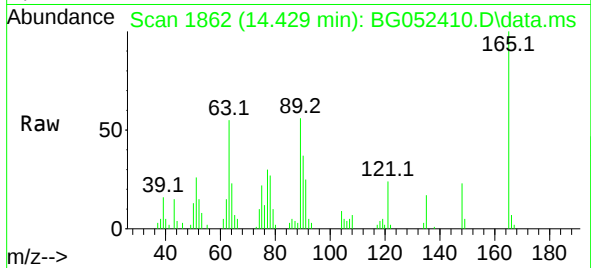
164 10.8 8.4 12.6





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

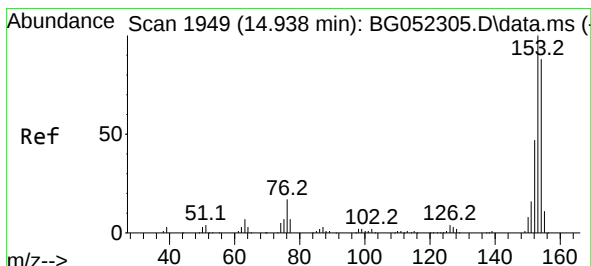
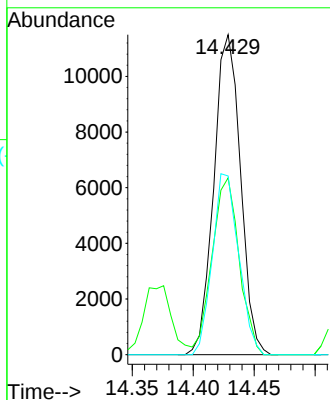
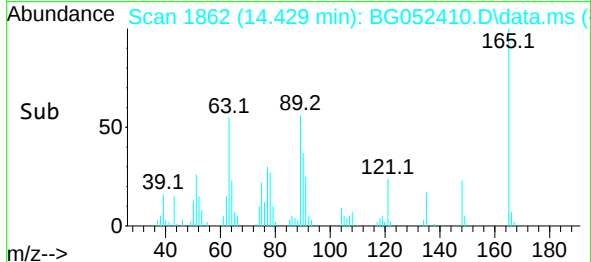
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



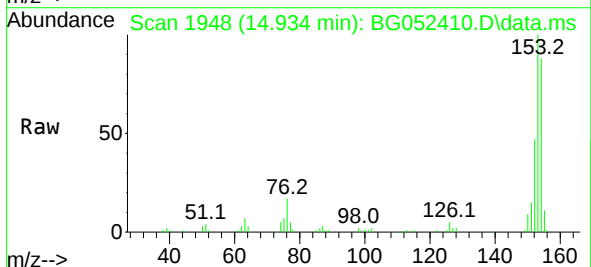
Tgt Ion:165 Resp: 1748
Ion Ratio Lower Upper
165 100
63 55.2 59.0 88.4
89 55.8 49.4 74.0

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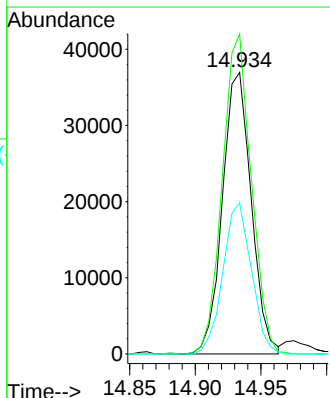
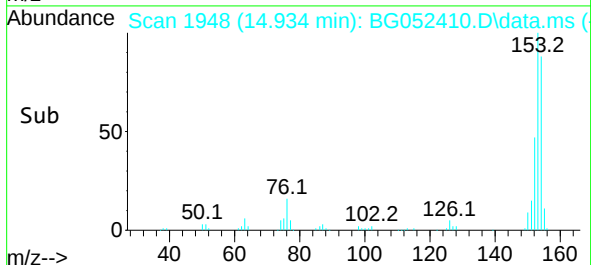
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

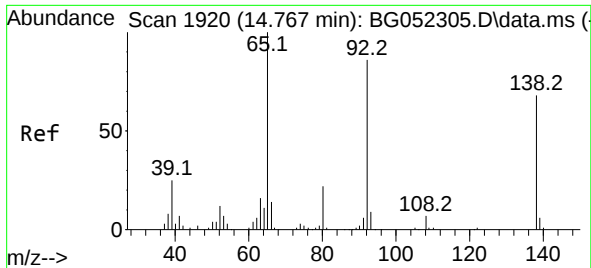


#52
Acenaphthene
Concen: 11.205 ng
RT: 14.934 min Scan# 1948
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



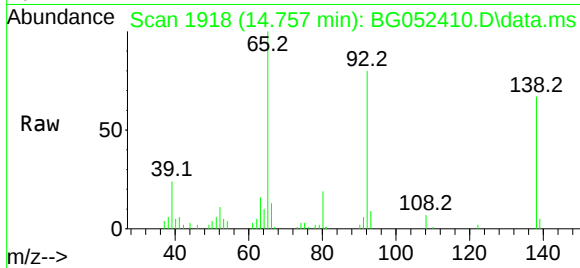
Tgt Ion:154 Resp: 56440
Ion Ratio Lower Upper
154 100
153 113.6 91.9 137.9
152 53.6 43.4 65.2





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

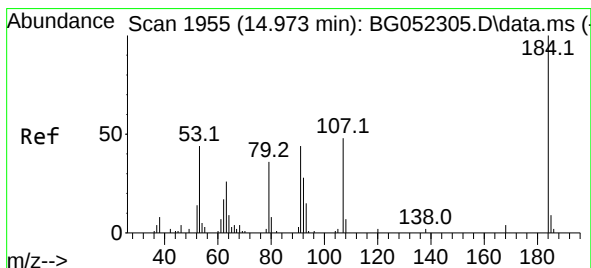
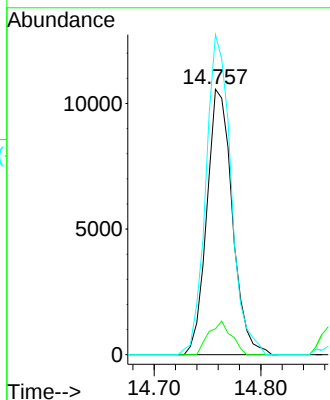
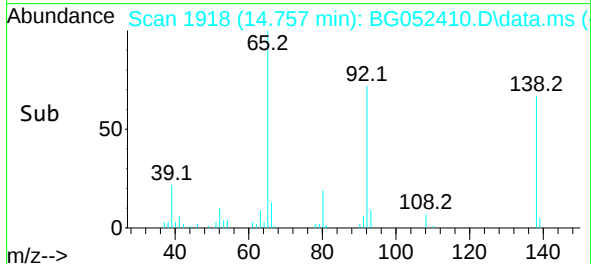
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



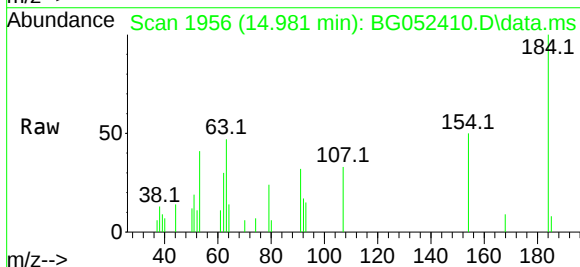
Tgt Ion:138 Resp: 1756
Ion Ratio Lower Upper
138 100
108 9.8 7.8 11.8
92 120.6 100.4 150.6

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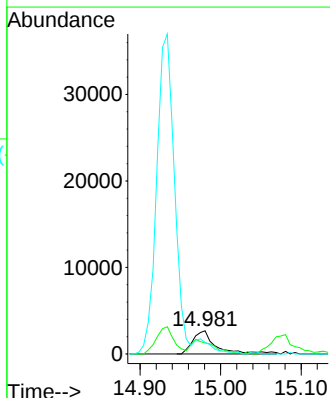
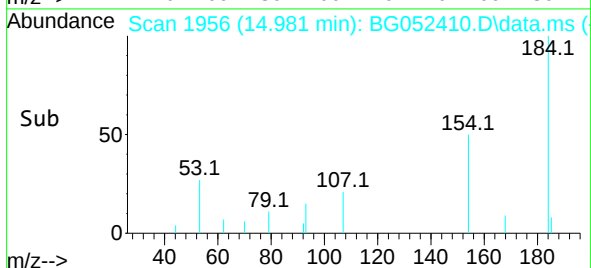
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

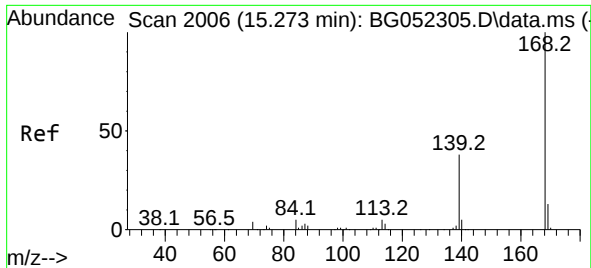


#54
2,4-Dinitrophenol
Concen: 7.126 ng m
RT: 14.981 min Scan# 1956
Delta R.T. 0.008 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



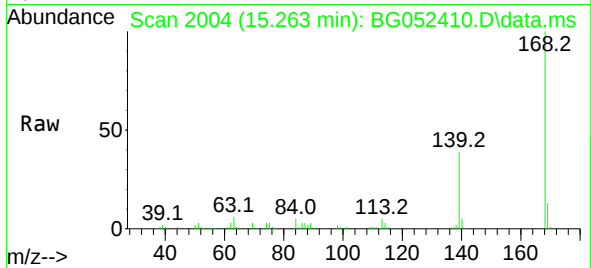
Tgt Ion:184 Resp: 5342
Ion Ratio Lower Upper
184 100
63 47.4 56.0 84.0#
154 49.8 50.2 75.2#





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

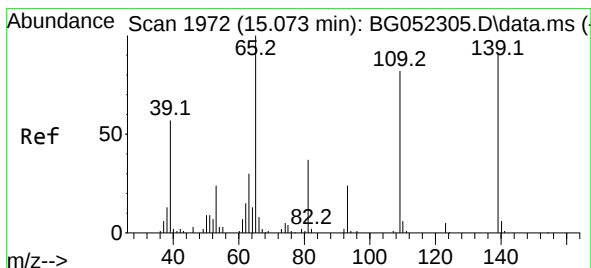
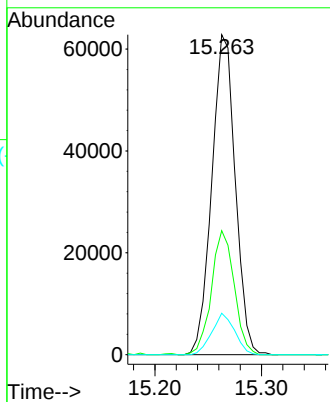
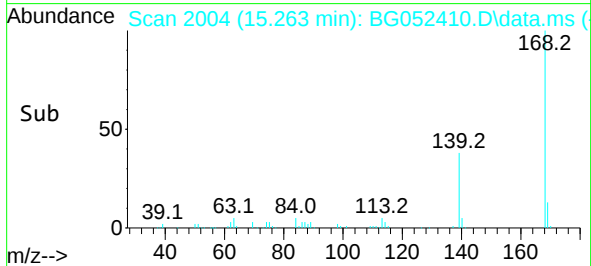
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



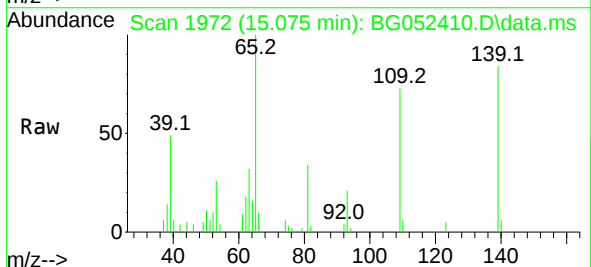
Tgt Ion:168 Resp: 9602
Ion Ratio Lower Upper
168 100
139 38.7 30.7 46.1
169 13.0 10.9 16.3

Manual Integrations
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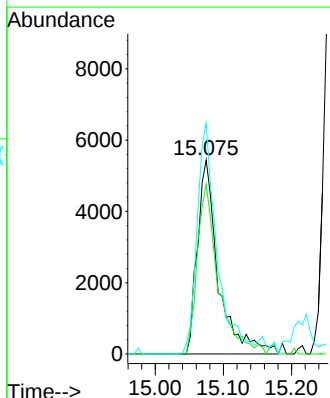
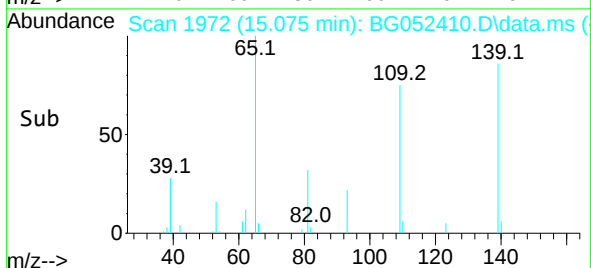
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#56
4-Nitrophenol
Concen: 10.806 ng m
RT: 15.075 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



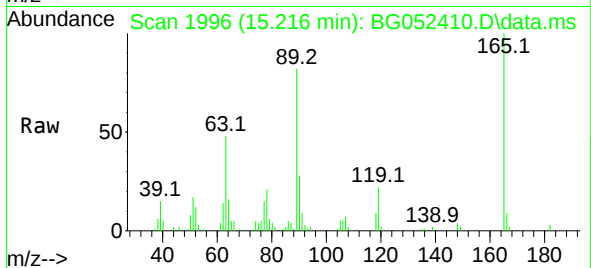
Tgt Ion:139 Resp: 11662
Ion Ratio Lower Upper
139 100
109 87.4 84.9 124.9
65 118.9 109.9 149.9





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

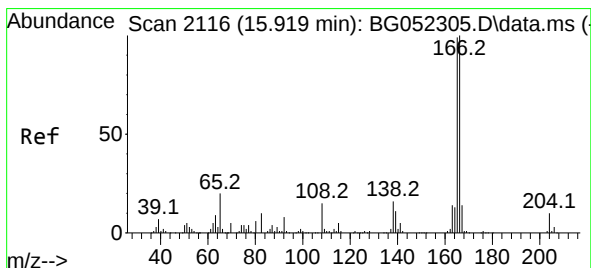
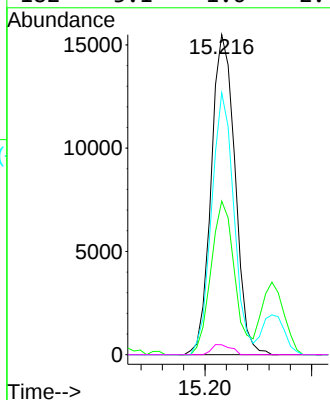
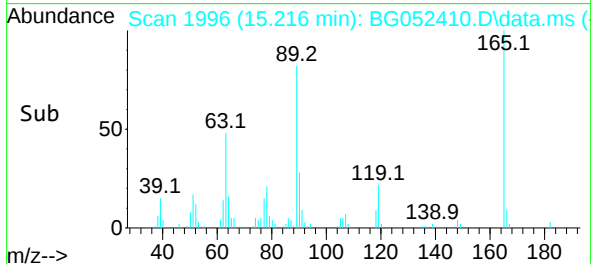
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

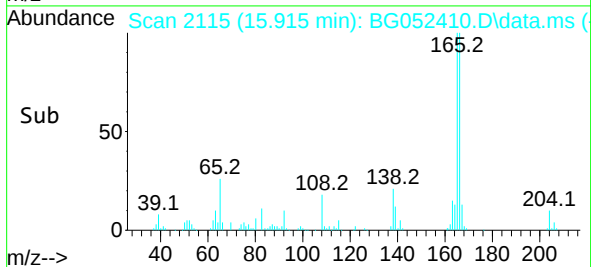
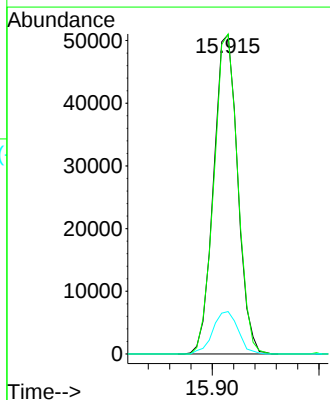
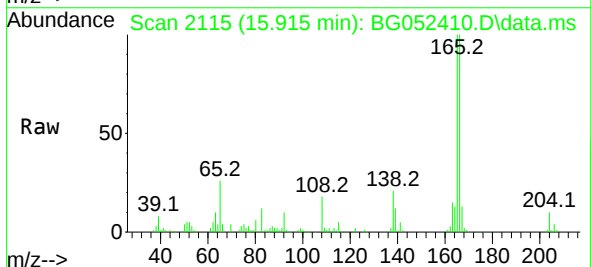
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

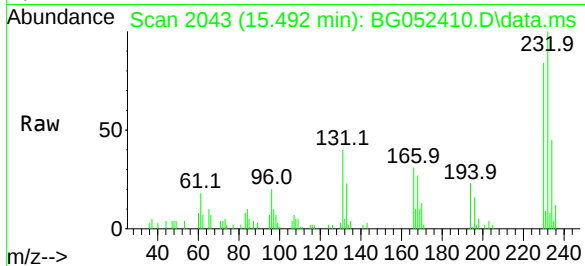
Tgt Ion:166 Resp: 79518
Ion Ratio Lower Upper
166 100
165 100.2 80.0 120.0
167 13.3 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.306 ng
RT: 15.492 min Scan# 2043
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

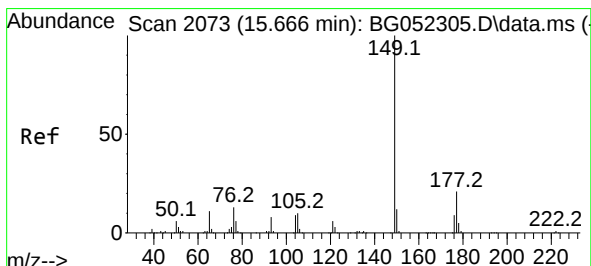
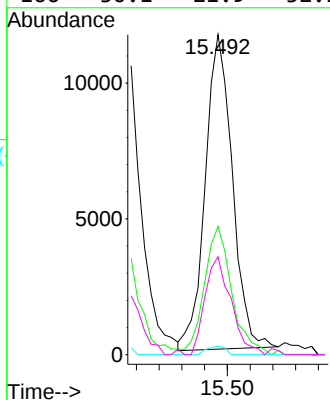
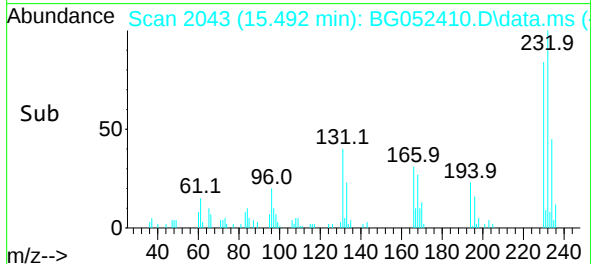
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:232 Resp: 19190
Ion Ratio Lower Upper
232 100
131 41.3 32.2 48.4
130 1.9 2.2 3.4
166 30.1 21.9 32.9

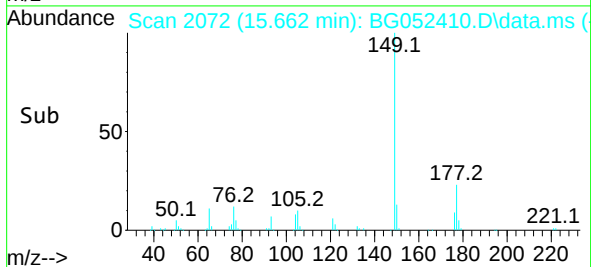
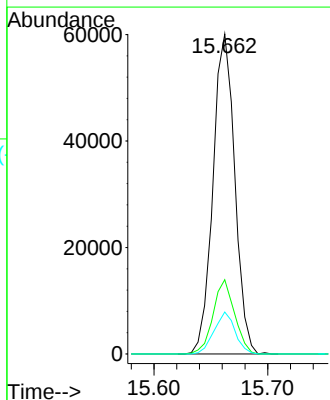
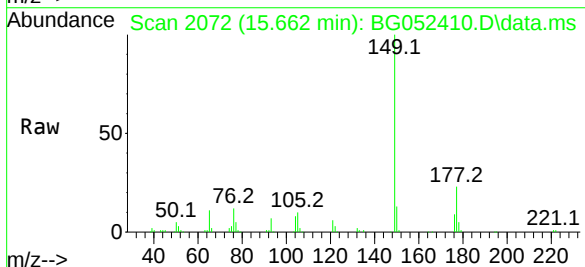
Manual Integrations
APPROVED

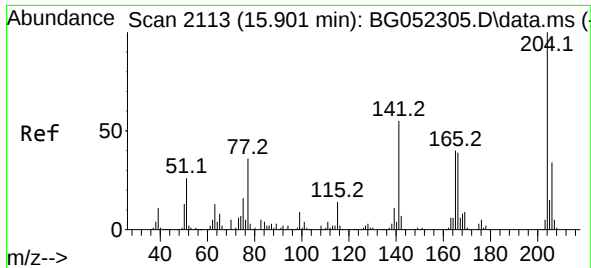
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





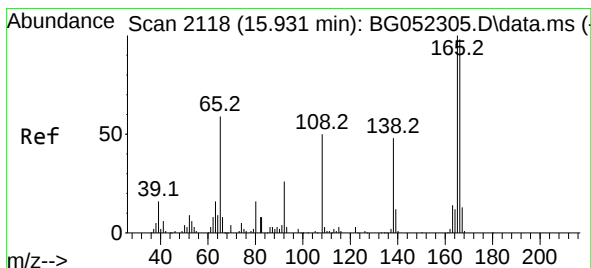
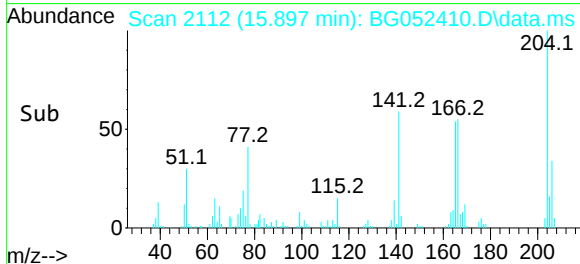
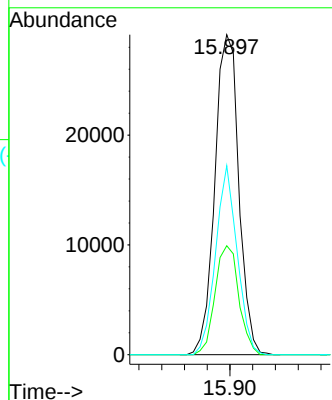
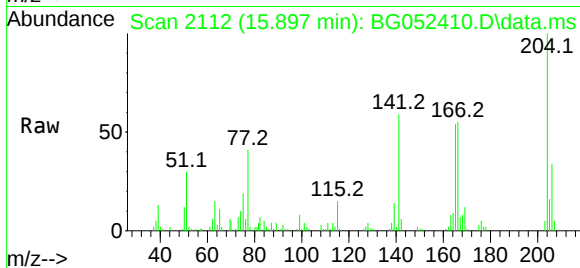
#61
4-Chlorophenyl-phenylether
Concen: 11.849 ng
RT: 15.897 min Scan# 2113
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion:204 Resp: 4268
Ion Ratio Lower Upper
204 100
206 34.1 28.4 42.6
141 59.1 41.8 62.6

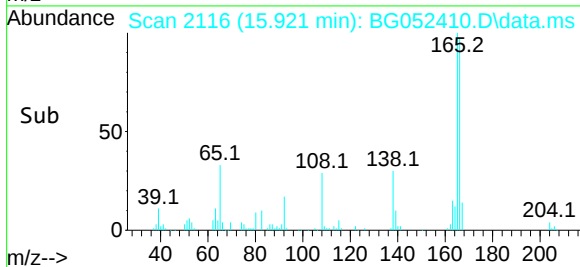
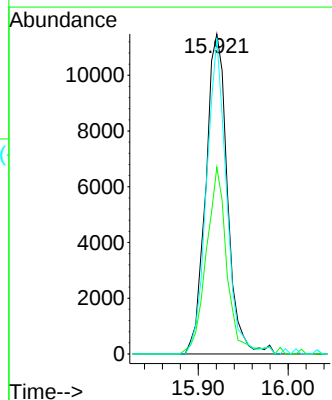
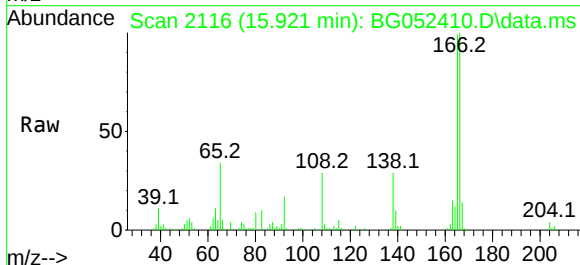
Manual Integrations
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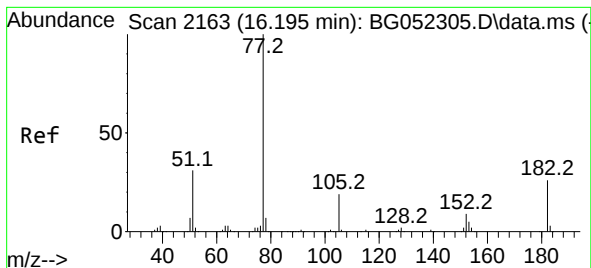
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





#63

Azobenzene

Concen: 11.973 ng

RT: 16.191 min Scan# 2163

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 77 Resp: 79330

Ion Ratio Lower Upper

77 100

182 26.2 4.1 44.1

105 18.6 0.0 37.5

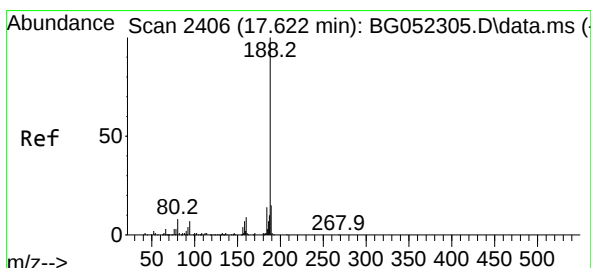
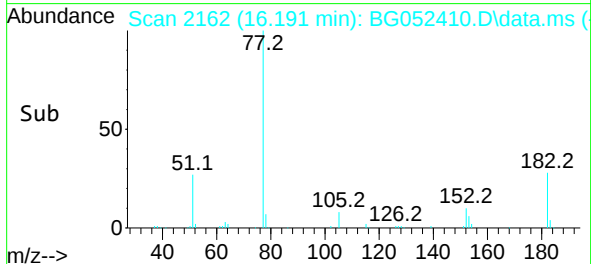
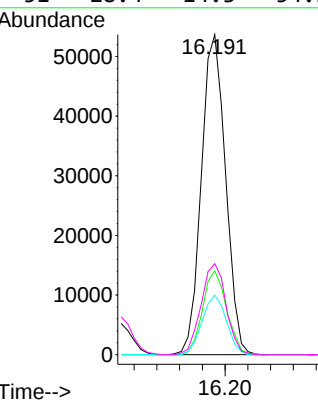
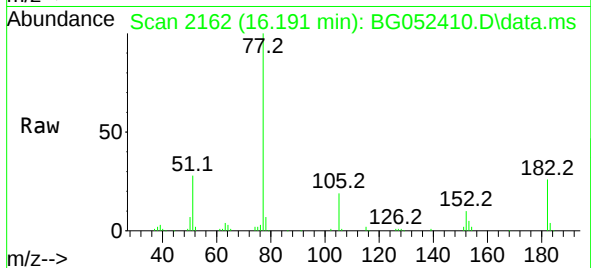
51 28.4 14.3 54.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2022

Supervised By :Jagrut Upadhyay 02/17/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.618 min Scan# 2405

Delta R.T. -0.004 min

Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

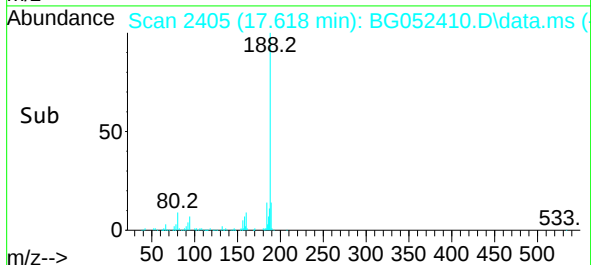
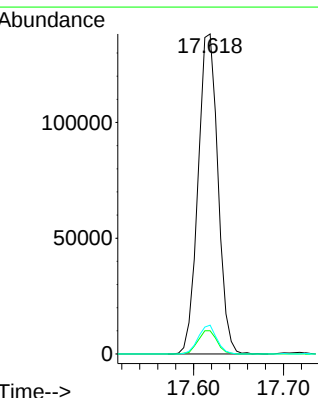
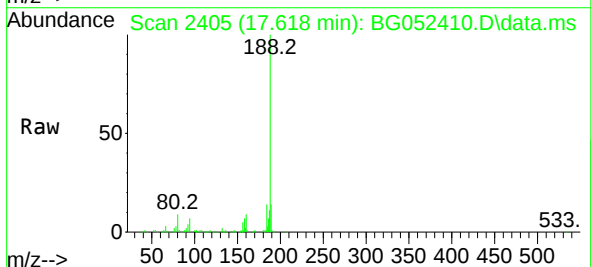
Tgt Ion:188 Resp: 212036

Ion Ratio Lower Upper

188 100

94 7.3 5.9 8.9

80 9.0 6.6 10.0





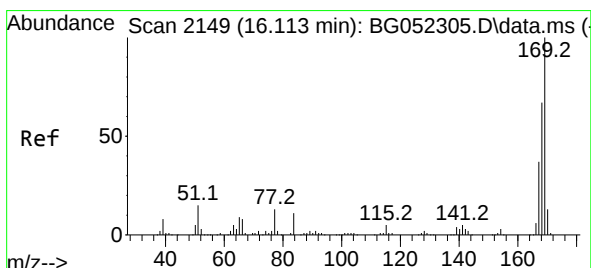
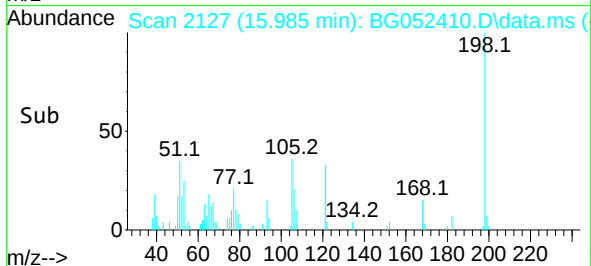
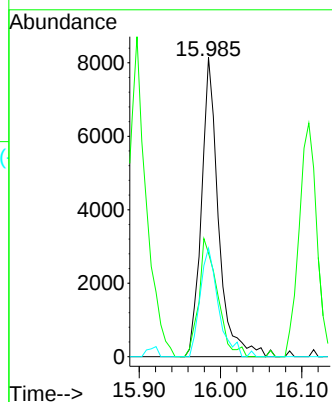
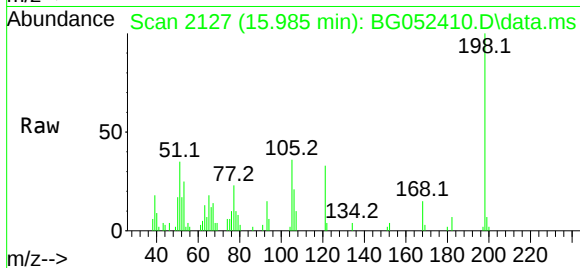
#65
4,6-Dinitro-2-methylphenol
Concen: 9.351 ng
RT: 15.985 min Scan# 2127
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

Tgt Ion:198 Resp: 1192
Ion Ratio Lower Upper
198 100
51 34.6 31.6 71.6
105 36.2 22.3 62.3

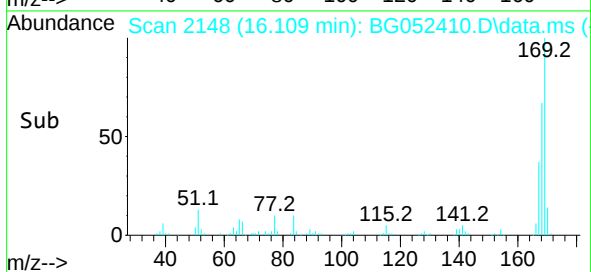
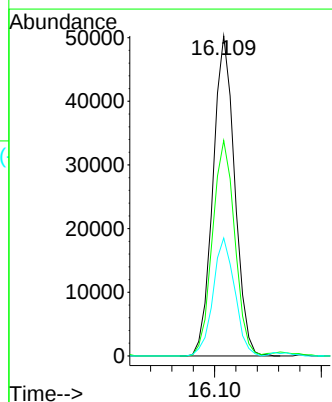
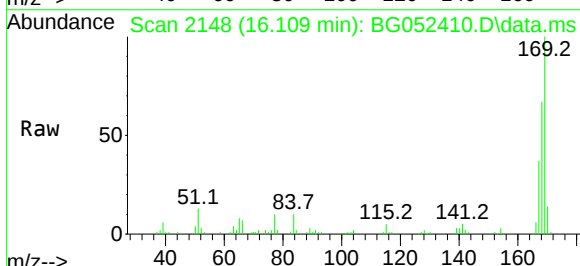
Manual Integrations
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Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

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





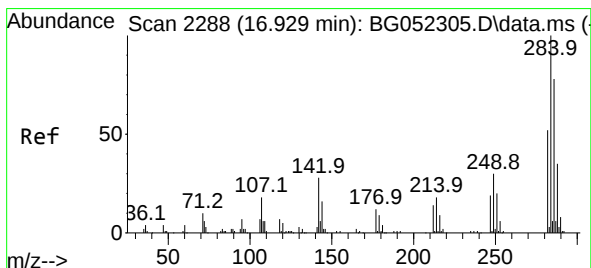
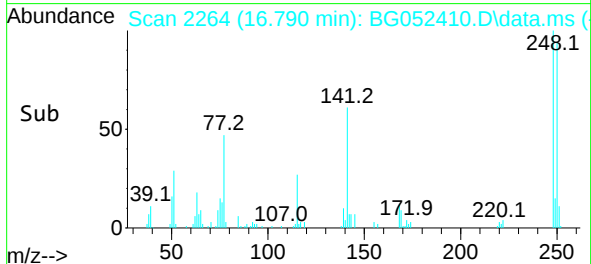
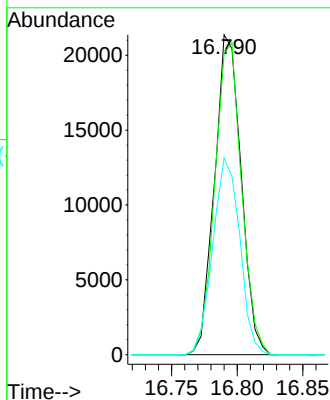
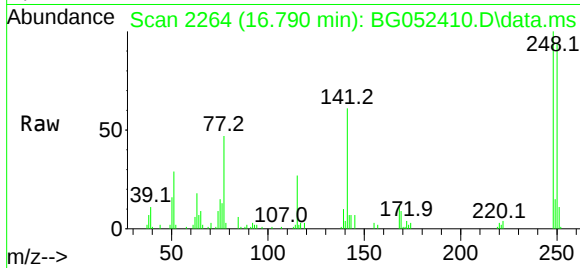
#67
4-Bromophenyl-phenylether
Concen: 11.673 ng
RT: 16.790 min Scan# 211
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

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

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

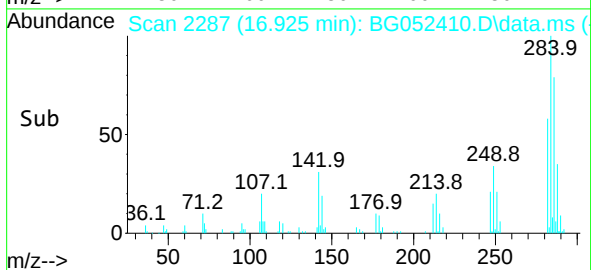
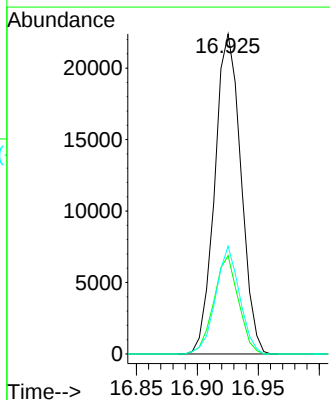
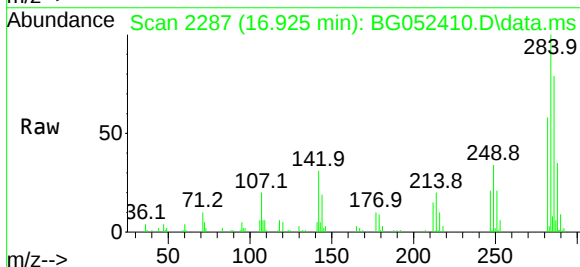
Manual Integrations
APPROVED

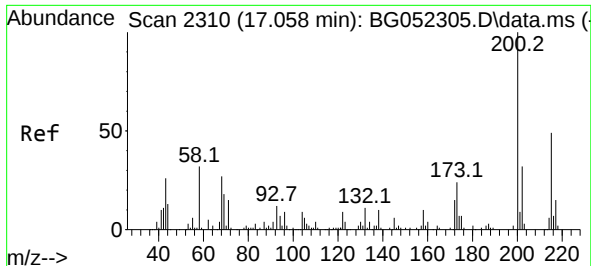
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

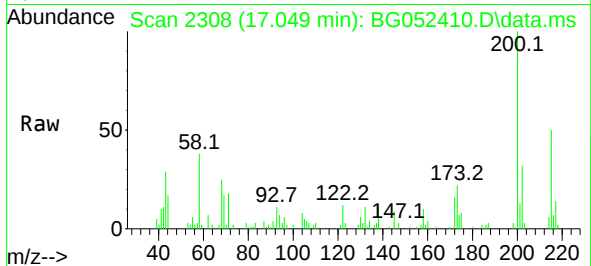
Tgt Ion:284 Resp: 33422
Ion Ratio Lower Upper
284 100
142 30.7 26.2 39.2
249 33.7 26.9 40.3





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

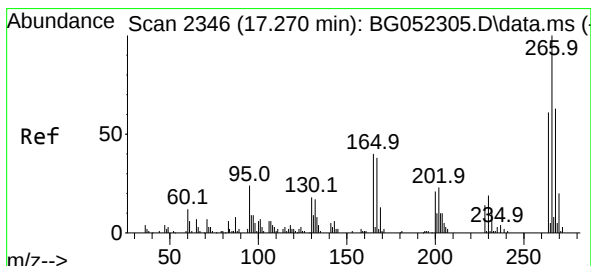
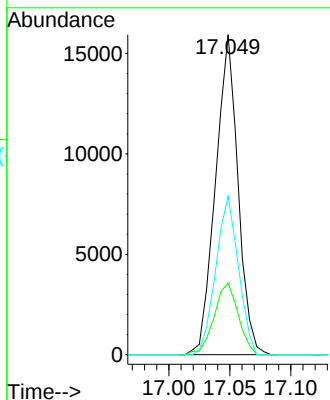
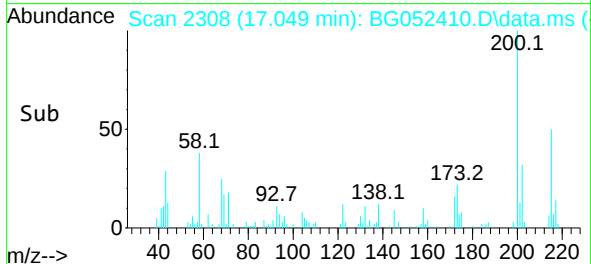
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



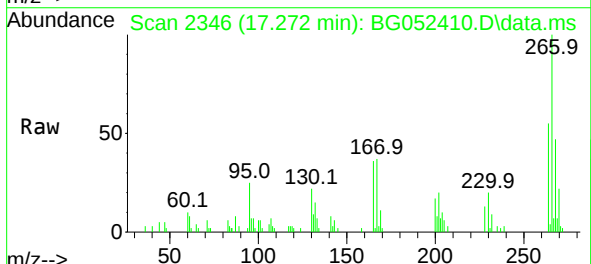
Tgt Ion:200 Resp: 2042
 Ion Ratio Lower Upper
 200 100
 173 22.4 3.3 43.3
 215 49.5 24.4 64.4

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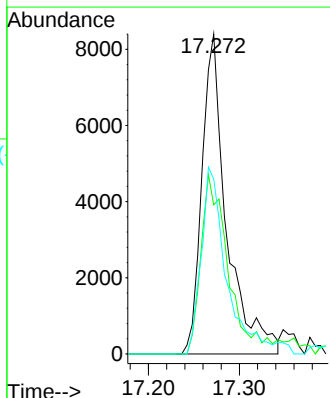
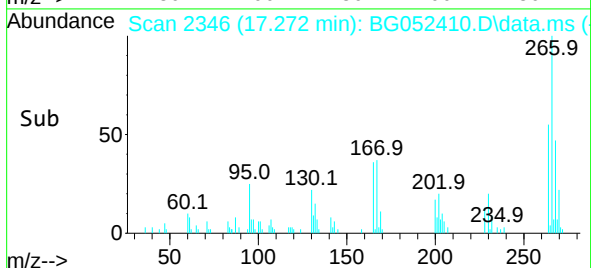
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022

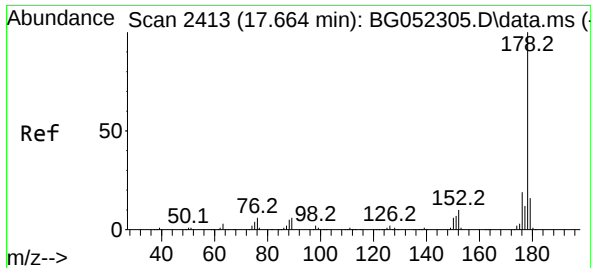


#70
 Pentachlorophenol
 Concen: 11.589 ng m
 RT: 17.272 min Scan# 2346
 Delta R.T. 0.002 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48



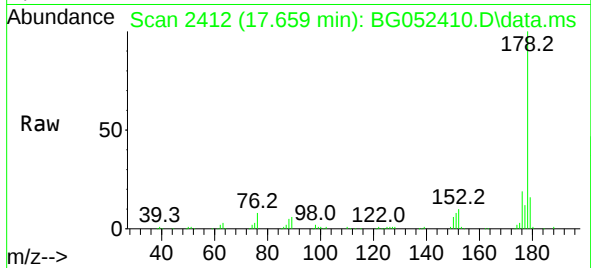
Tgt Ion:266 Resp: 15857
 Ion Ratio Lower Upper
 266 100
 268 46.6 50.6 75.8#
 264 54.6 52.2 78.2





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

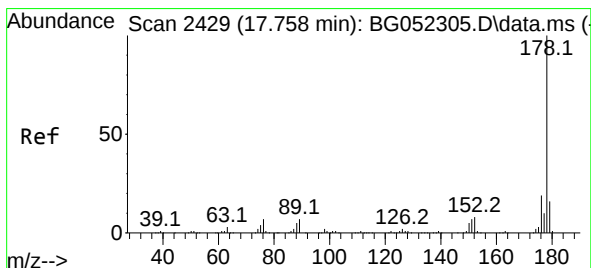
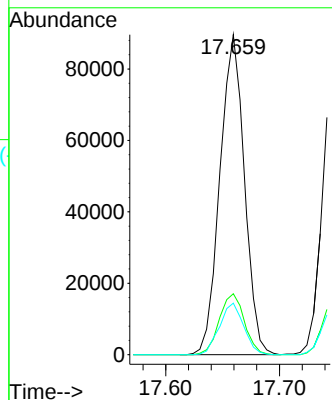
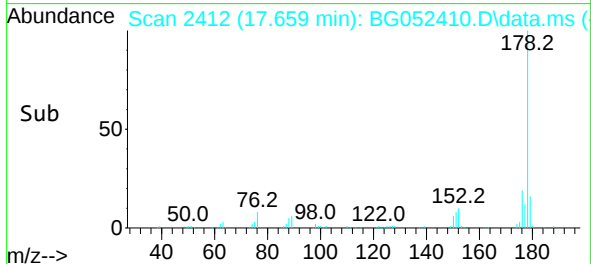
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



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

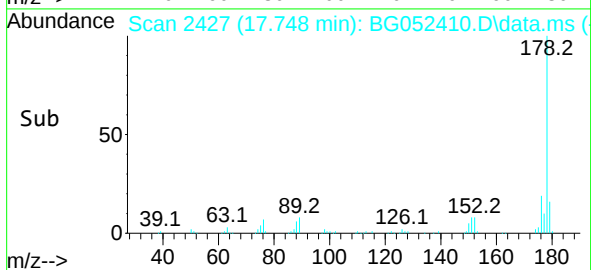
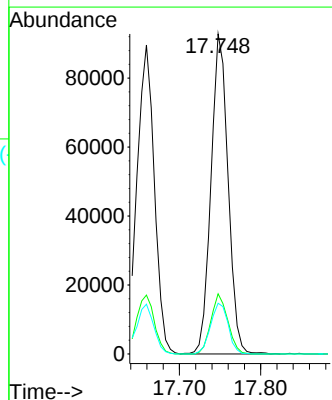
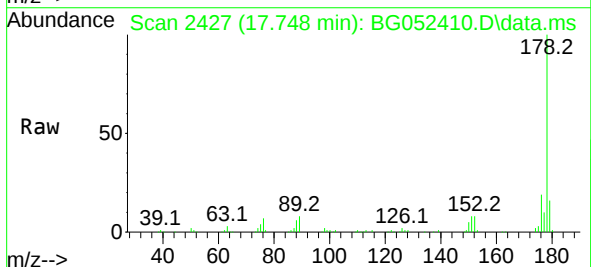
Manual Integrations
APPROVED

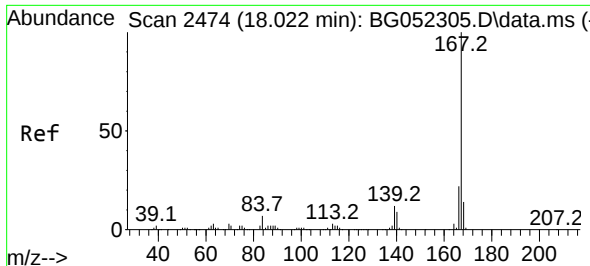
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

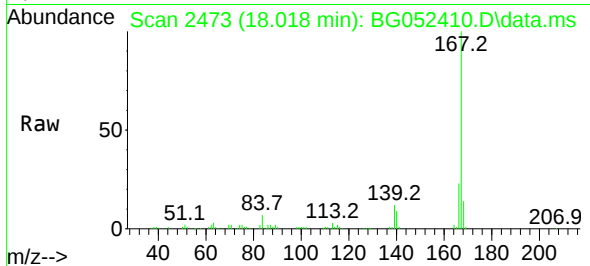
Tgt Ion:178 Resp: 135366
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.8 13.1 19.7





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

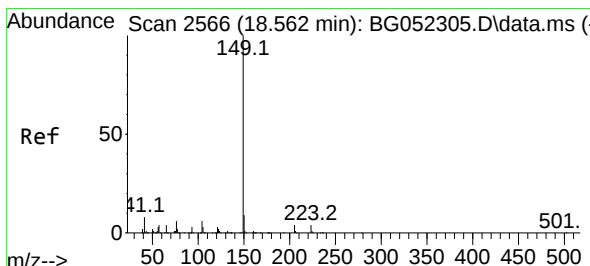
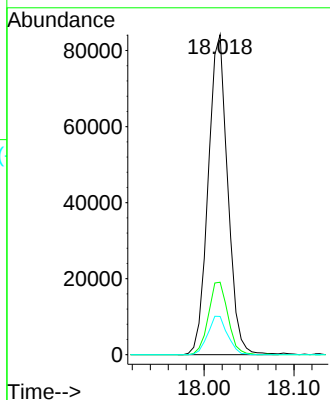
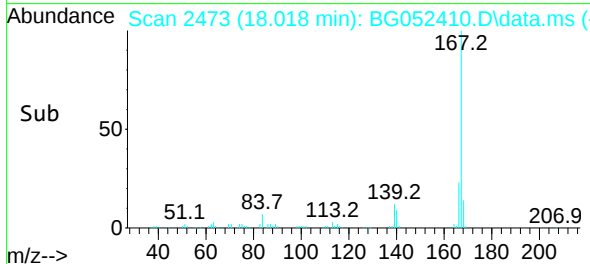
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



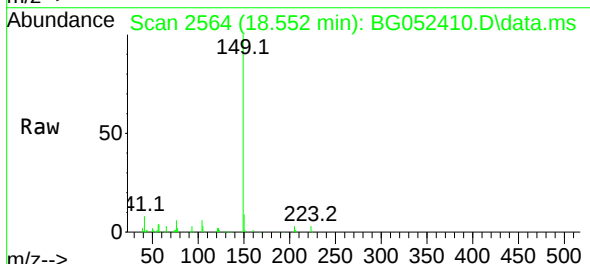
Tgt Ion:167 Resp: 126734
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.8 26.6
 139 11.9 10.6 16.0

Manual Integrations
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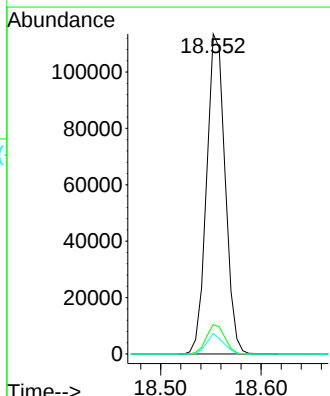
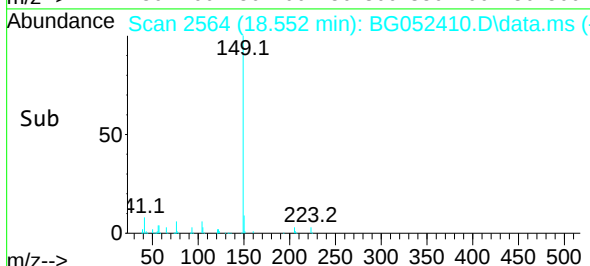
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022

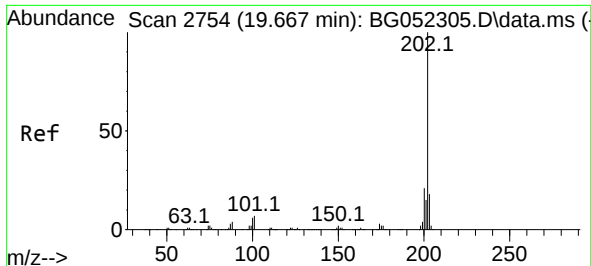


#74
 Di-n-butylphthalate
 Concen: 12.789 ng
 RT: 18.552 min Scan# 2564
 Delta R.T. -0.010 min
 Lab File: BG052410.D
 Acq: 16 Feb 2022 15:48



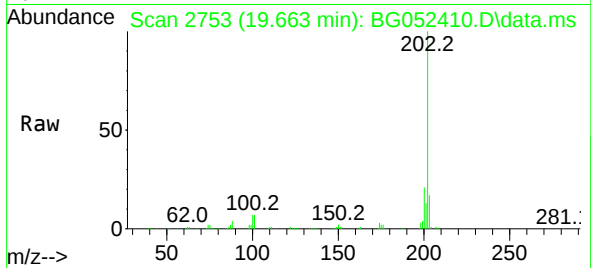
Tgt Ion:149 Resp: 145572
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 6.4 5.4 8.2





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

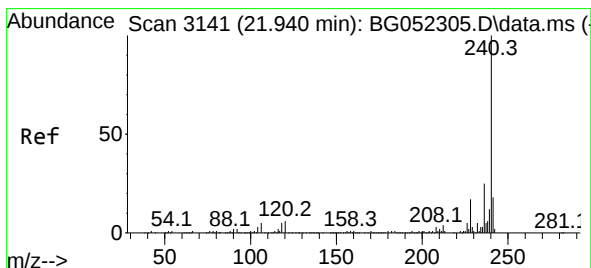
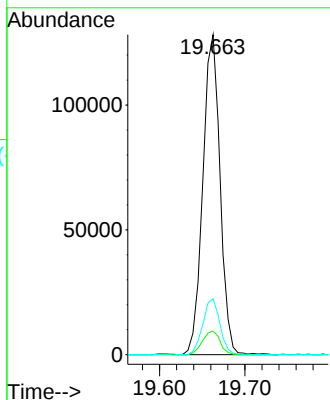
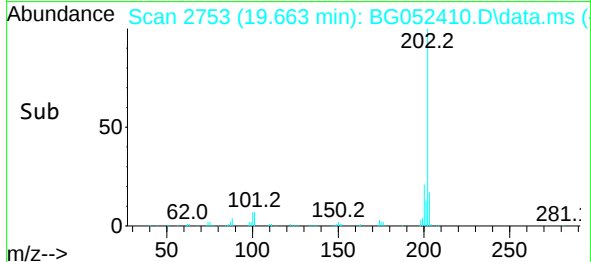
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



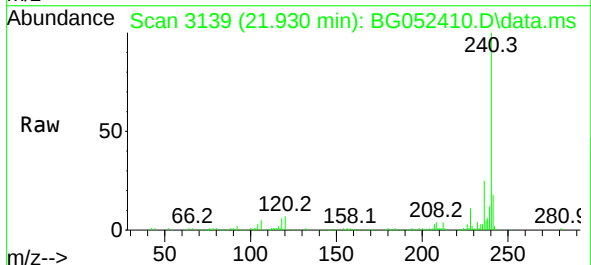
Tgt Ion:202 Resp: 17972
Ion Ratio Lower Upper
202 100
101 7.4 0.0 27.1
203 17.5 0.0 37.8

Manual Integrations
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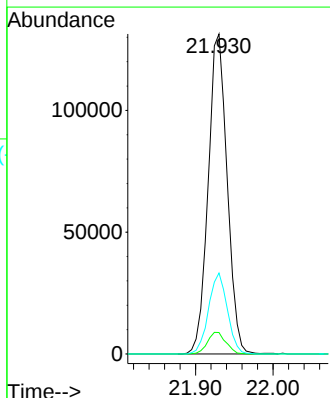
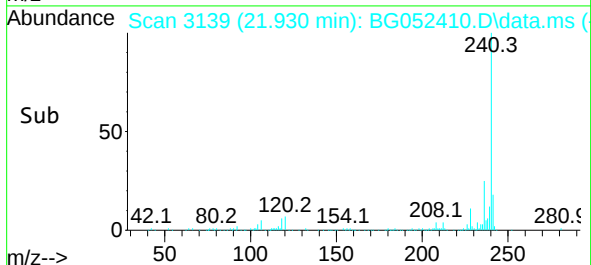
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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



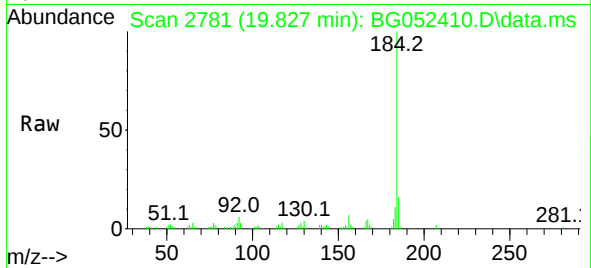
Tgt Ion:240 Resp: 223135
Ion Ratio Lower Upper
240 100
120 6.7 4.4 6.6#
236 25.3 20.8 31.2





#77
Benzidine
Concen: 12.638 ng
RT: 19.827 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

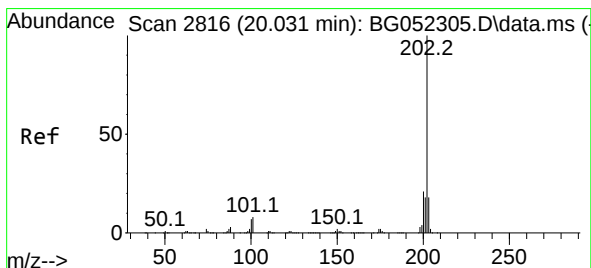
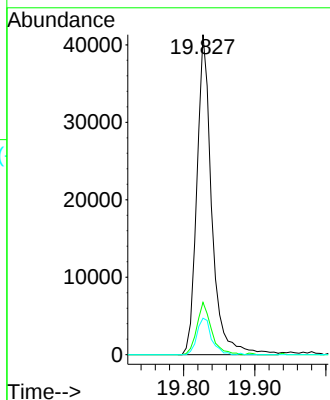
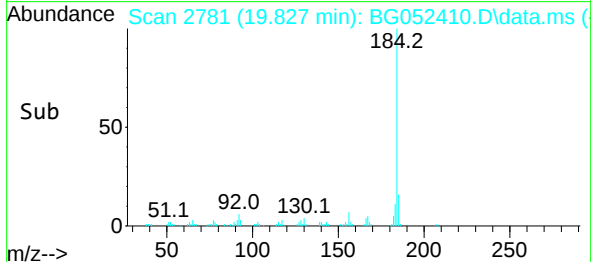
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



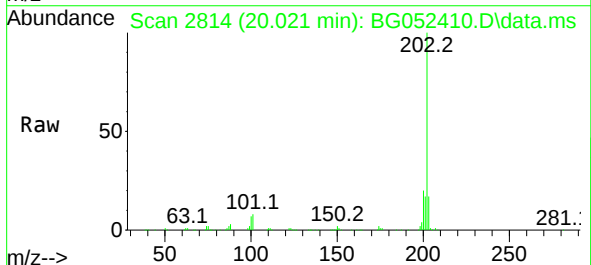
Tgt Ion:184 Resp: 60259
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.8
183 11.4 9.8 14.6

Manual Integrations
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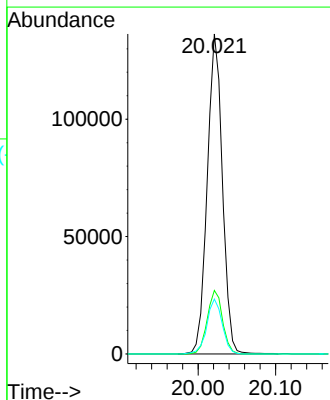
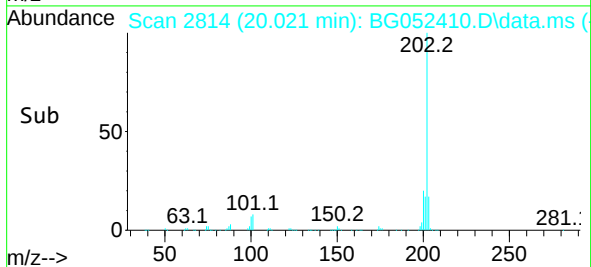
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

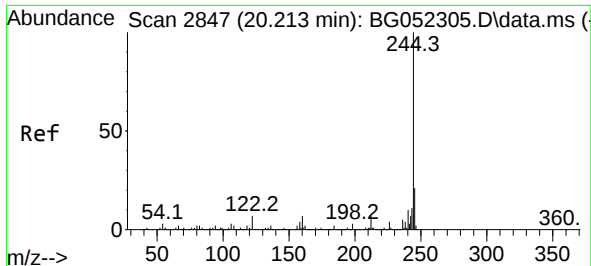


#78
Pyrene
Concen: 12.430 ng
RT: 20.021 min Scan# 2814
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



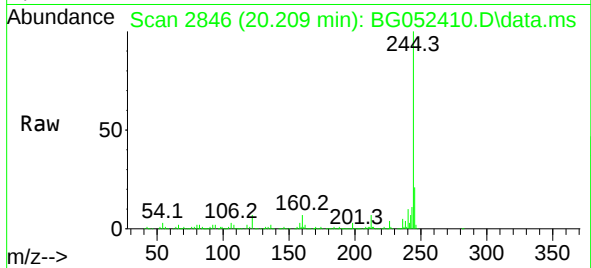
Tgt Ion:202 Resp: 185596
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 17.2 14.5 21.7





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

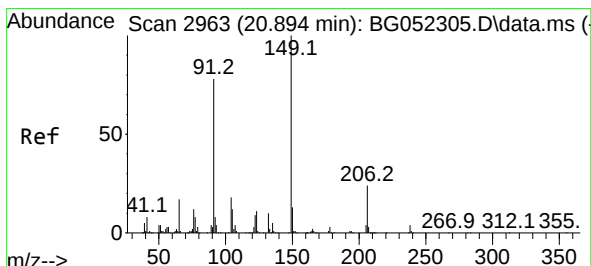
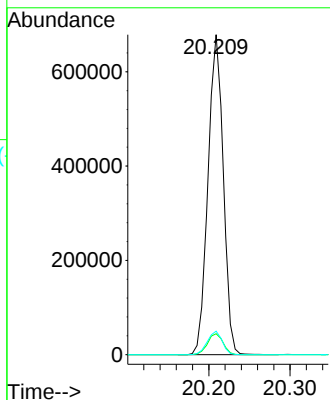
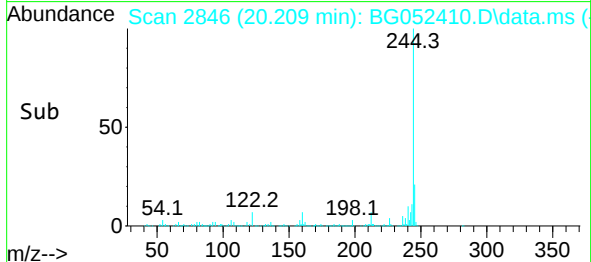
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



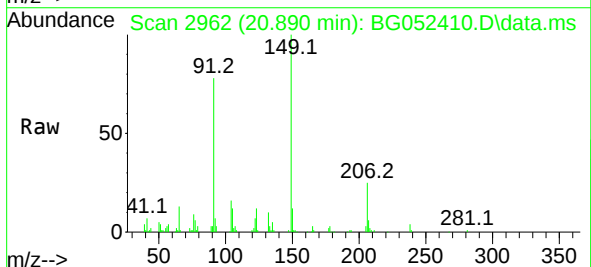
Tgt Ion:244 Resp: 884620
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 7.3 6.2 9.4

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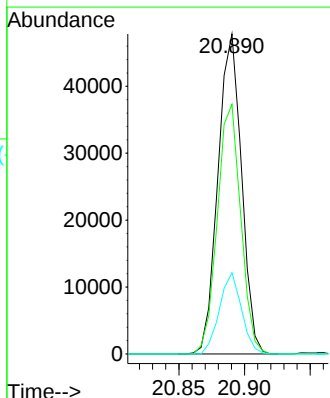
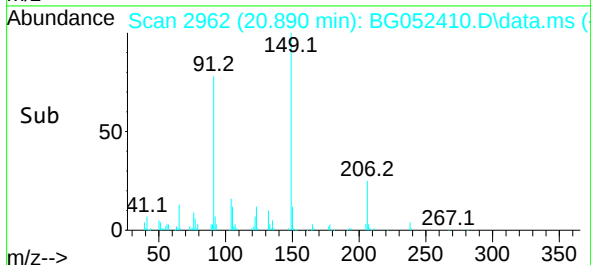
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

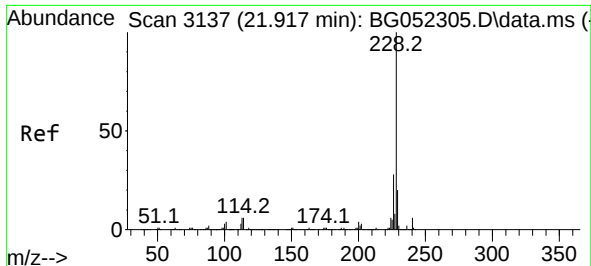


#80
Butylbenzylphthalate
Concen: 11.480 ng
RT: 20.890 min Scan# 2962
Delta R.T. -0.004 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48



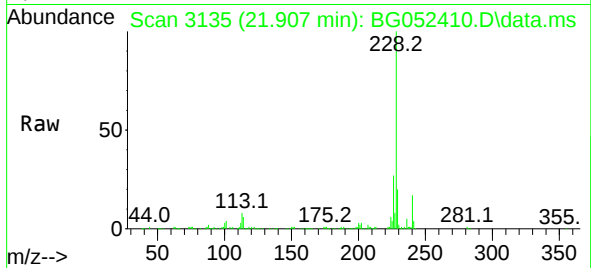
Tgt Ion:149 Resp: 59539
Ion Ratio Lower Upper
149 100
91 78.1 64.0 96.0
206 25.4 19.3 28.9





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

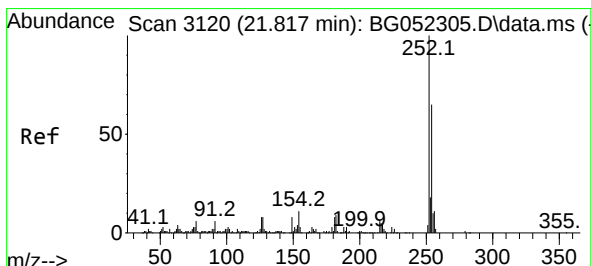
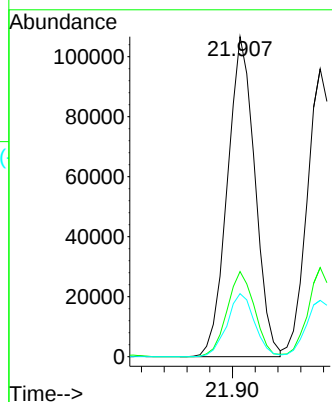
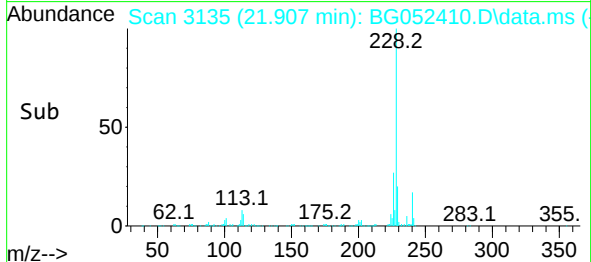
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:228 Resp: 17918
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.7 16.0 24.0

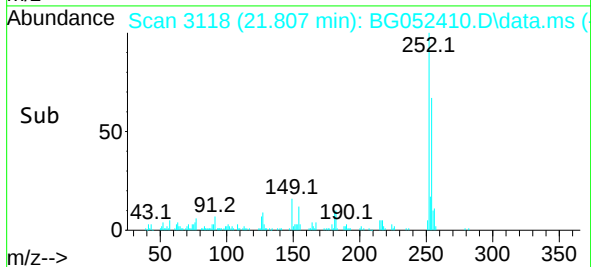
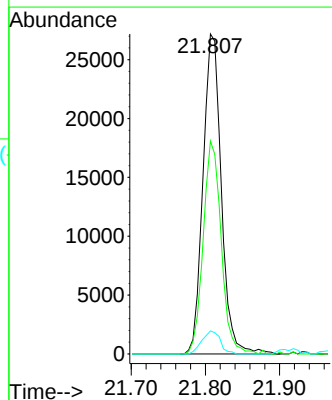
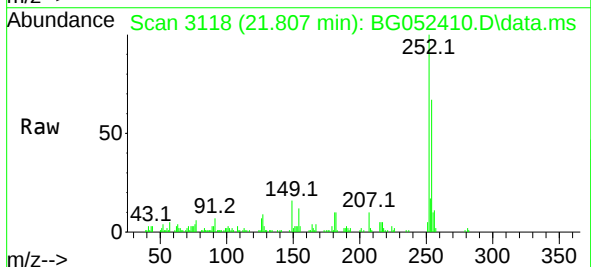
Manual Integrations
APPROVED

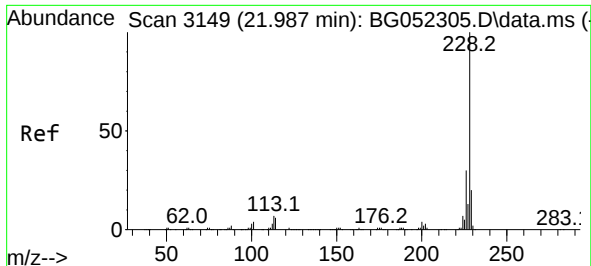
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

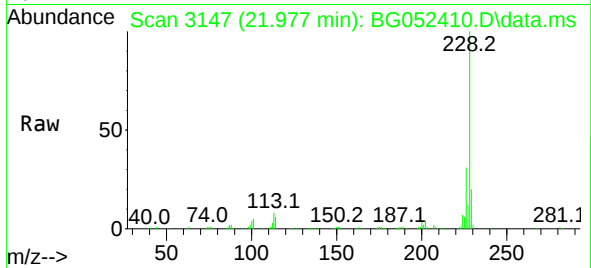
Tgt Ion:252 Resp: 46667
Ion Ratio Lower Upper
252 100
254 66.5 52.6 79.0
126 7.2 6.4 9.6





#83
Chrysene
Concen: 11.622 ng
RT: 21.977 min Scan# 3149
Delta R.T. -0.010 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

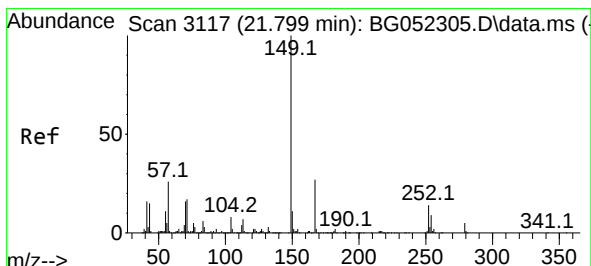
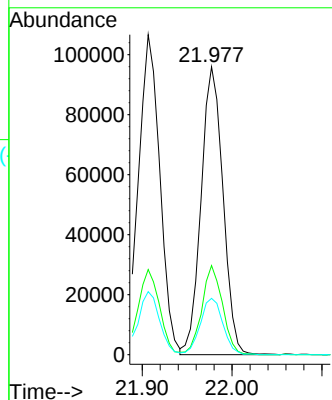
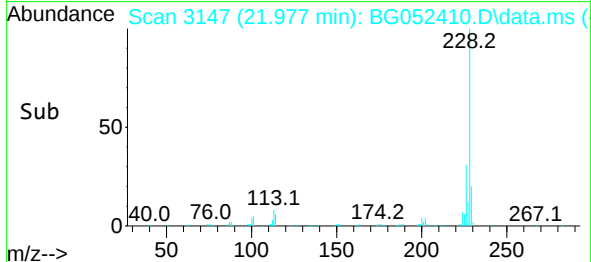
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:228 Resp: 16261
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 19.6 16.4 24.6

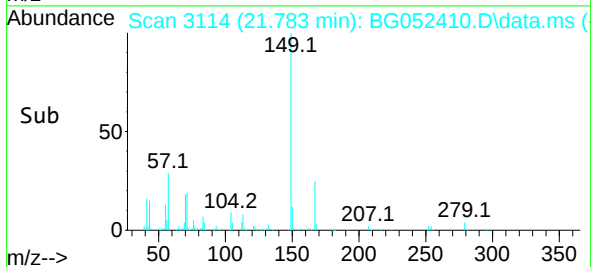
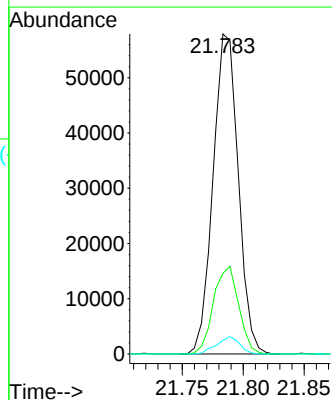
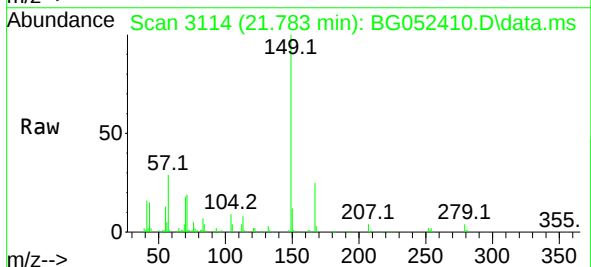
Manual Integrations
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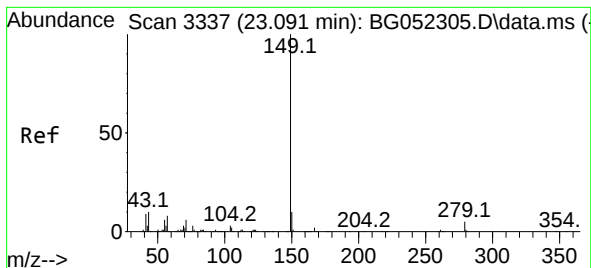
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 11.596 ng
RT: 21.783 min Scan# 3114
Delta R.T. -0.016 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:149 Resp: 83396
Ion Ratio Lower Upper
149 100
167 25.2 21.4 32.0
279 4.2 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 11.954 ng

RT: 23.076 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG052410.D

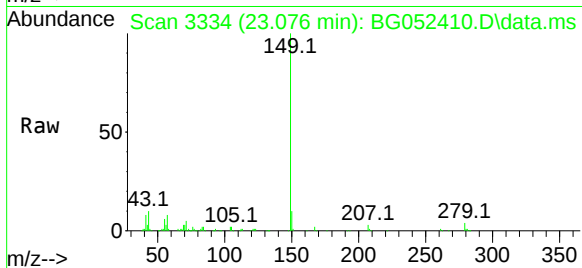
Acq: 16 Feb 2022 15:48

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:149 Resp: 14413

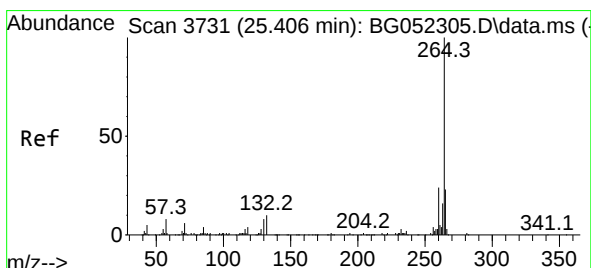
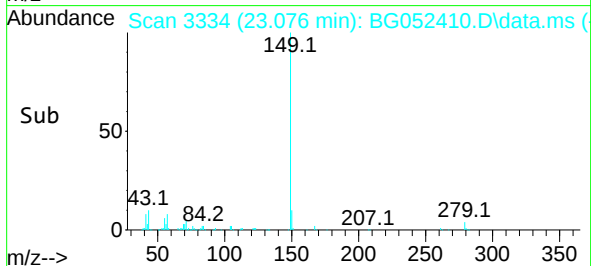
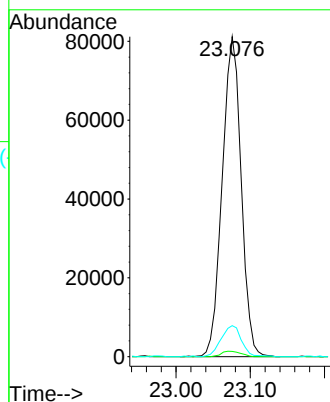
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.5	10.0	15.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2022

Supervised By :Jagrut Upadhyay 02/17/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.390 min Scan# 3728

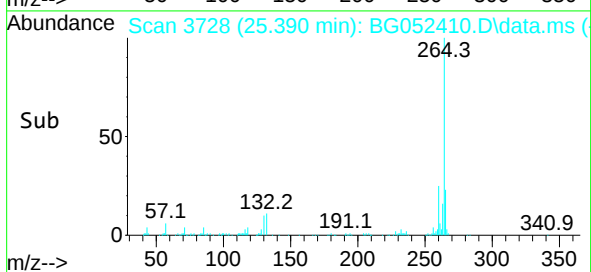
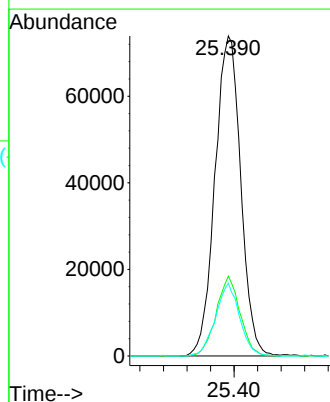
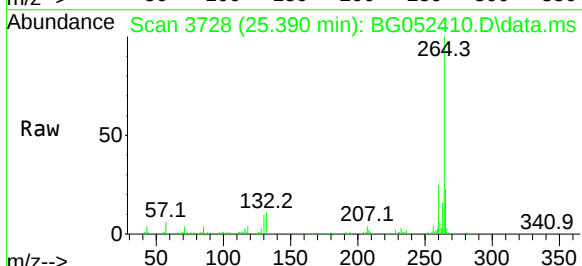
Delta R.T. -0.016 min

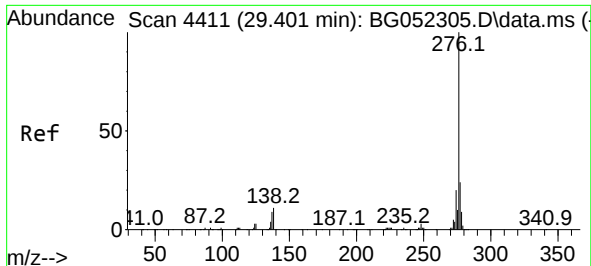
Lab File: BG052410.D

Acq: 16 Feb 2022 15:48

Tgt Ion:264 Resp: 224109

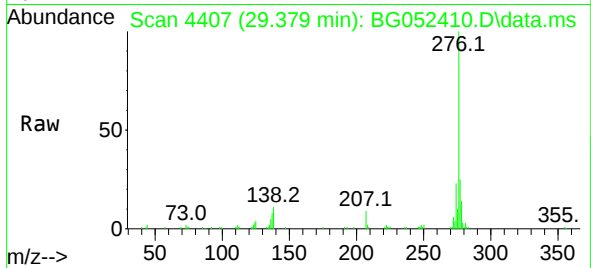
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.5	27.7
265	22.7	17.8	26.6





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

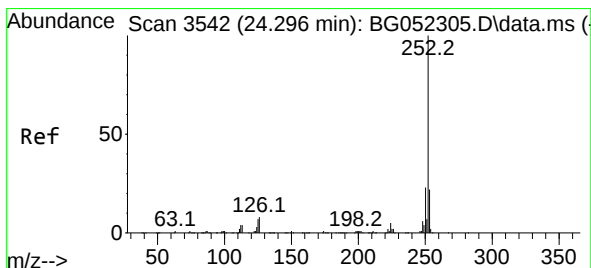
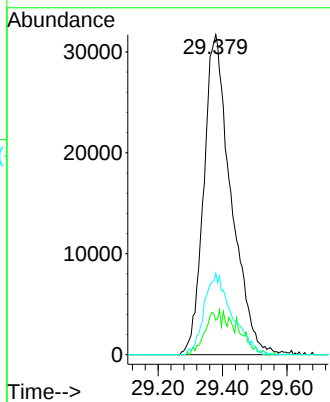
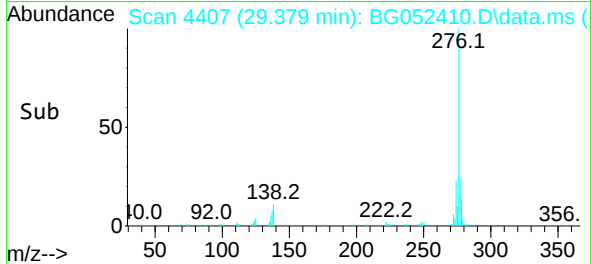
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



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

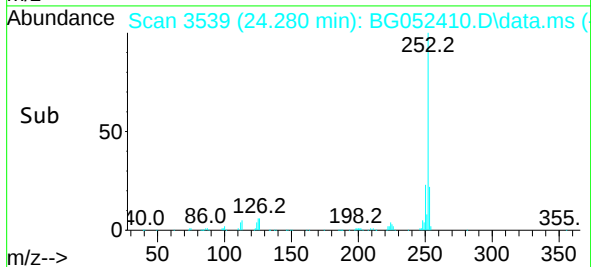
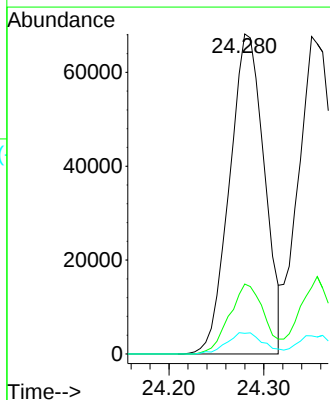
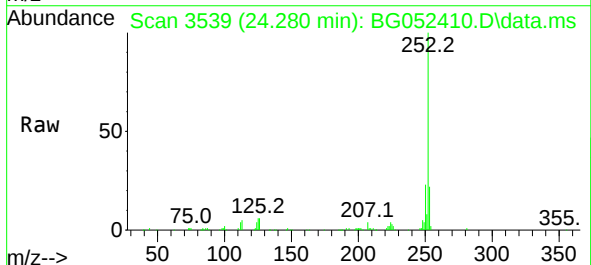
Manual Integrations
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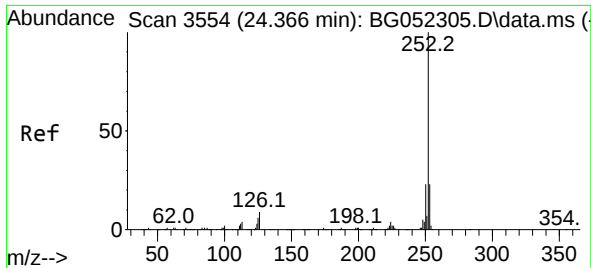
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022



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

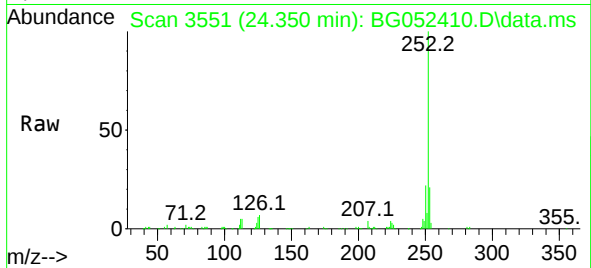
Tgt Ion:252 Resp: 174193
 Ion Ratio Lower Upper
 252 100
 253 21.8 18.3 27.5
 125 6.5 5.4 8.2





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

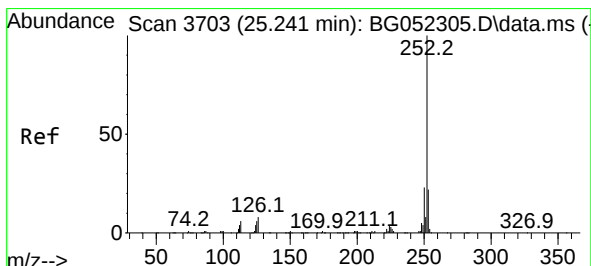
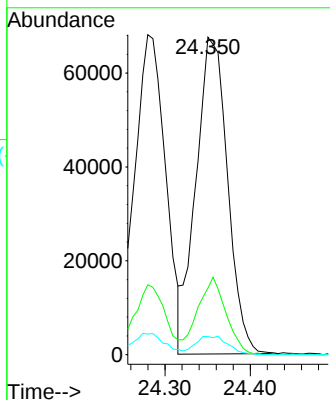
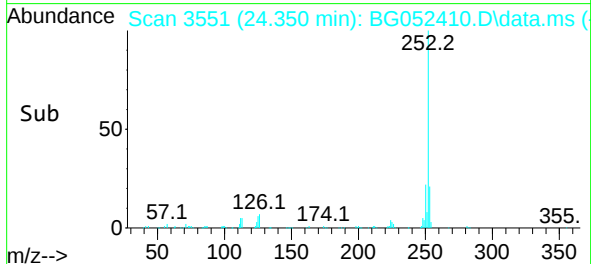
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:252 Resp: 173910
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 5.7 4.6 7.0

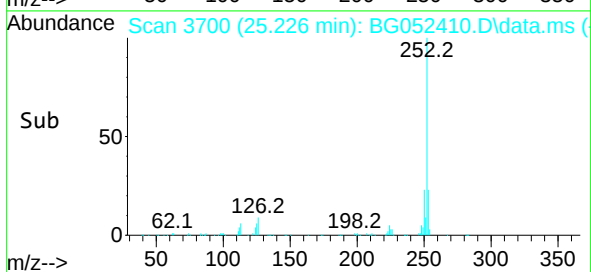
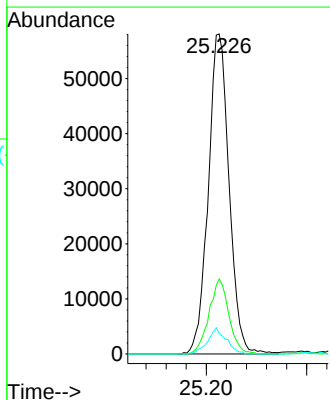
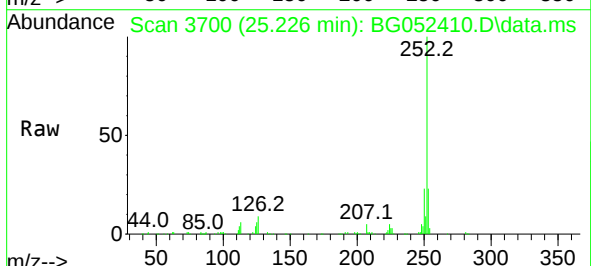
Manual Integrations
APPROVED

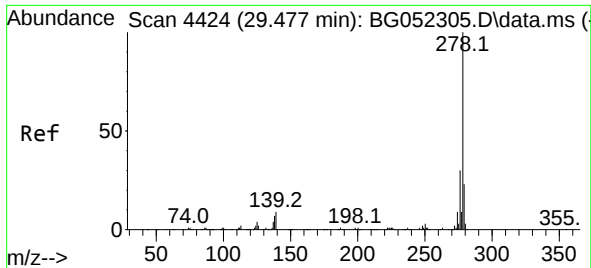
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



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

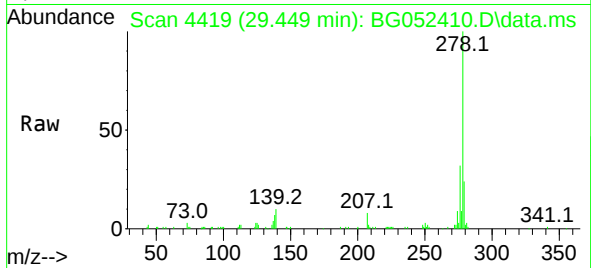
Tgt Ion:252 Resp: 167160
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 6.5 5.0 7.6





#91
Dibenzo(a,h)anthracene
Concen: 12.205 ng
RT: 29.449 min Scan# 4419
Delta R.T. -0.028 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

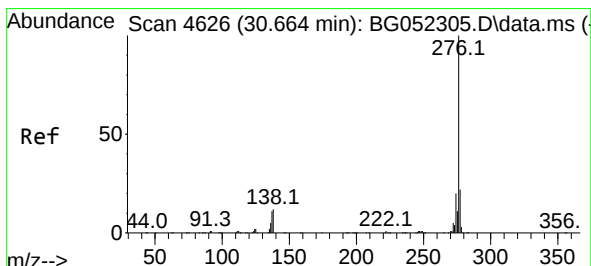
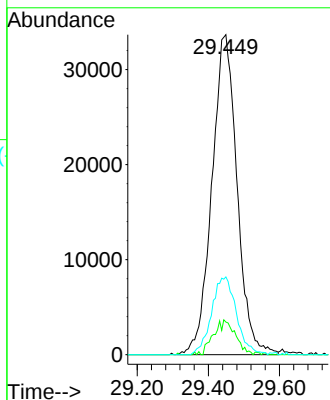
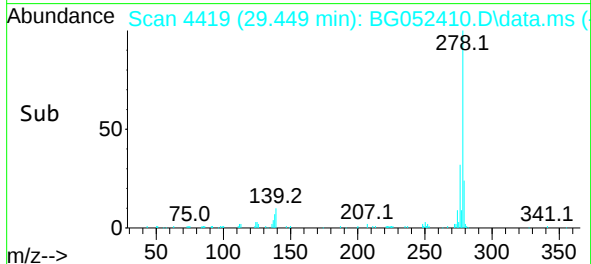
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:278 Resp: 165349
Ion Ratio Lower Upper
278 100
139 10.2 6.4 9.6
279 24.3 20.1 30.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#92
Benzo(g,h,i)perylene
Concen: 12.167 ng
RT: 30.630 min Scan# 4620
Delta R.T. -0.033 min
Lab File: BG052410.D
Acq: 16 Feb 2022 15:48

Tgt Ion:276 Resp: 161773
Ion Ratio Lower Upper
276 100
277 24.0 18.2 27.2
138 11.2 9.1 13.7

