

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052678.D
 Acq On : 16 Mar 2022 14:58
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo
 03/17/2022
 Supervised By :Jagrut
 Upadhyay
 03/17/2022

Quant Time: Mar 16 15:38:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	37603	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	143725	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	103634	20.000	ng	0.00
64) Phenanthrene-d10	17.517	188	238100	20.000	ng	0.00
76) Chrysene-d12	21.805	240	272421	20.000	ng	0.00
86) Perylene-d12	25.124	264	276087	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.709	112	201187	93.176	ng	0.00
7) Phenol-d6	7.295	99	290164	89.137	ng	0.00
23) Nitrobenzene-d5	9.310	82	217271	75.873	ng	0.00
42) 2,4,6-Tribromophenol	16.254	330	120952	86.856	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	498731	70.976	ng	0.00
79) Terphenyl-d14	20.119	244	1038052	67.782	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.600	88	10709	9.915	ng	93
3) Pyridine	4.005	79	22097	7.981	ng	# 82
4) n-Nitrosodimethylamine	3.917	42	9060	7.376	ng	# 80
6) Aniline	7.471	93	34263	8.977	ng	92
8) 2-Chlorophenol	7.718	128	19692	8.679	ng	99
9) Benzaldehyde	7.283	77	21483	10.745	ng	97
10) Phenol	7.324	94	26639	8.290	ng	93
11) bis(2-Chloroethyl)ether	7.565	93	20606	8.491	ng	94
12) 1,3-Dichlorobenzene	8.047	146	22265	8.151	ng	96
13) 1,4-Dichlorobenzene	8.188	146	22990	8.376	ng	96
14) 1,2-Dichlorobenzene	8.511	146	21896	8.435	ng	90
15) Benzyl Alcohol	8.382	79	21088	7.694	ng	87
16) 2,2'-oxybis(1-Chloropr...	8.681	45	36775	8.702	ng	96
17) 2-Methylphenol	8.582	107	17511	8.174	ng	91
18) Hexachloroethane	9.251	117	9076	9.013	ng	87
19) n-Nitroso-di-n-propyla...	8.952	70	18659	8.093	ng	# 95
20) 3+4-Methylphenols	8.911	107	24181	8.066	ng	96
22) Acetophenone	8.969	105	34404	9.250	ng	# 96
24) Nitrobenzene	9.357	77	27926	9.746	ng	93
25) Isophorone	9.886	82	50542	9.115	ng	# 96
26) 2-Nitrophenol	10.068	139	8348	8.390	ng	# 85
27) 2,4-Dimethylphenol	10.121	122	19731	9.693	ng	94
28) bis(2-Chloroethoxy)met...	10.361	93	28124	8.578	ng	# 96
29) 2,4-Dichlorophenol	10.602	162	19452	8.492	ng	95
30) 1,2,4-Trichlorobenzene	10.826	180	25261	9.349	ng	93
31) Naphthalene	11.019	128	68677	9.240	ng	100
32) Benzoic acid	10.191	122	13613	9.950	ng	89
33) 4-Chloroaniline	11.113	127	28146	8.935	ng	97
34) Hexachlorobutadiene	11.307	225	17471	9.018	ng	97
35) Caprolactam	11.859	113	5636	9.011	ng	# 80
36) 4-Chloro-3-methylphenol	12.218	107	21108	7.936	ng	97
37) 2-Methylnaphthalene	12.617	142	49748	9.140	ng	96
38) 1-Methylnaphthalene	12.829	142	47622	8.965	ng	90
40) 1,2,4,5-Tetrachloroben...	12.976	216	30834	9.523	ng	98
41) Hexachlorocyclopentadiene	12.964	237	24870	12.959	ng	97
43) 2,4,6-Trichlorophenol	13.205	196	16868	8.135	ng	99

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Instrument :
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 LOQ-SOIL-02-QT1-2022

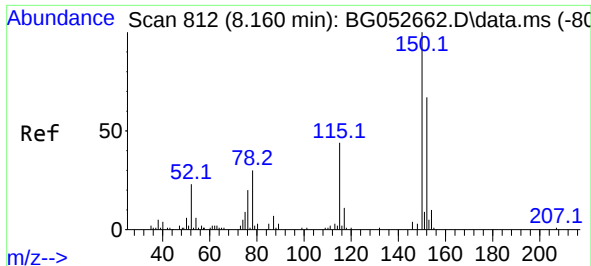
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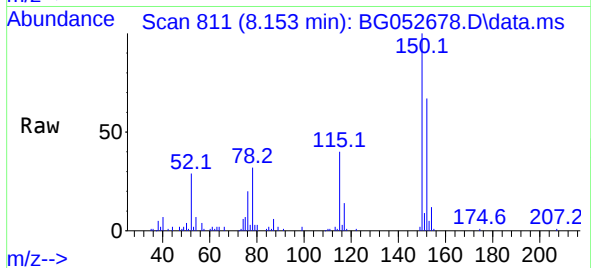
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.275	196	19120	9.085	ng	97
46) 1,1'-Biphenyl	13.610	154	65634	9.056	ng	99
47) 2-Chloronaphthalene	13.651	162	52503	9.199	ng	97
48) 2-Nitroaniline	13.839	65	13274	8.504	ng	93
49) Acenaphthylene	14.497	152	87155	9.579	ng	99
50) Dimethylphthalate	14.215	163	65431	8.495	ng	# 97
51) 2,6-Dinitrotoluene	14.327	165	12233	9.407	ng	96
52) Acenaphthene	14.838	154	52247	8.964	ng	97
53) 3-Nitroaniline	14.650	138	13102	8.610	ng	98
54) 2,4-Dinitrophenol	14.861	184	8040	11.342	ng	# 72
55) Dibenzofuran	15.167	168	81471	8.559	ng	97
56) 4-Nitrophenol	14.944	139	10742	8.654	ng	86
57) 2,4-Dinitrotoluene	15.114	165	14992	8.309	ng	88
58) Fluorene	15.819	166	67878	8.748	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.390	232	17309	7.695	ng	# 96
60) Diethylphthalate	15.578	149	67484	8.300	ng	99
61) 4-Chlorophenyl-phenyle...	15.807	204	37721	8.815	ng	97
62) 4-Nitroaniline	15.813	138	13703	8.522	ng	95
63) Azobenzene	16.101	77	72893	8.388	ng	98
65) 4,6-Dinitro-2-methylph...	15.878	198	10534	9.924	ng	93
66) n-Nitrosodiphenylamine	16.019	169	59936	8.941	ng	96
67) 4-Bromophenyl-phenylether	16.700	248	22704	7.909	ng	# 86
68) Hexachlorobenzene	16.823	284	26615	8.626	ng	95
69) Atrazine	16.958	200	23062	9.330	ng	89
70) Pentachlorophenol	17.158	266	23604	12.331	ng	89
71) Phenanthrene	17.558	178	116078	9.113	ng	98
72) Anthracene	17.646	178	116841	9.279	ng	98
73) Carbazole	17.910	167	108475	8.698	ng	95
74) Di-n-butylphthalate	18.474	149	120666	8.857	ng	99
75) Fluoranthene	19.561	202	151700	9.382	ng	99
77) Benzidine	19.731	184	78425	11.162	ng	96
78) Pyrene	19.919	202	157739	8.347	ng	99
80) Butylbenzylphthalate	20.806	149	52643	7.853	ng	96
81) Benzo(a)anthracene	21.781	228	161405	8.848	ng	99
82) 3,3'-Dichlorobenzidine	21.687	252	57155	8.873	ng	93
83) Chrysene	21.846	228	150293	8.764	ng	97
84) Bis(2-ethylhexyl)phtha...	21.693	149	76741	8.418	ng	96
85) Di-n-octyl phthalate	22.944	149	124143	8.180	ng	98
87) Indeno(1,2,3-cd)pyrene	28.913	276	162131	8.580	ng	95
88) Benzo(b)fluoranthene	24.066	252	158336	9.237	ng	97
89) Benzo(k)fluoranthene	24.131	252	158110m	9.375	ng	
90) Benzo(a)pyrene	24.965	252	151036	10.409	ng	# 92
91) Dibenzo(a,h)anthracene	28.983	278	144032	9.250	ng	98
92) Benzo(g,h,i)perylene	30.099	276	140841	9.141	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

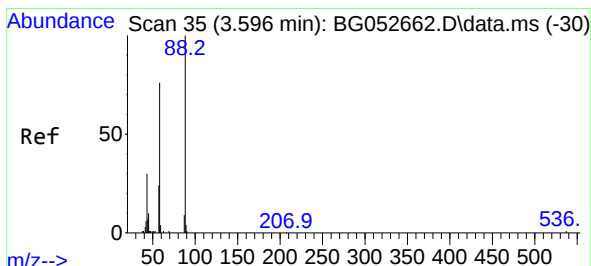
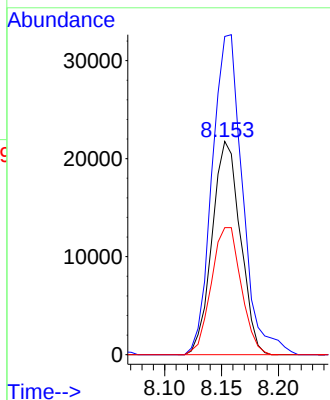
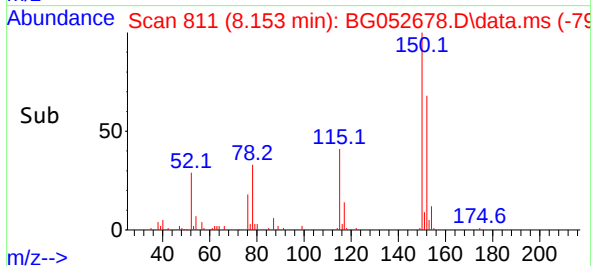
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:152 Resp: 3760
Ion Ratio Lower Upper
152 100
150 149.2 114.6 172.0
115 59.6 45.9 68.9

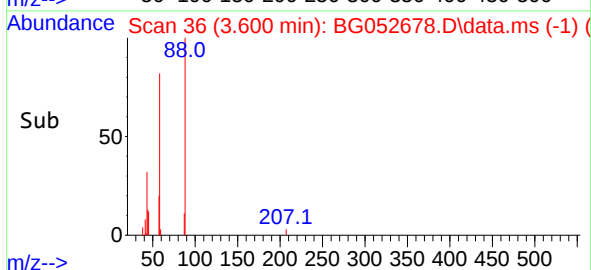
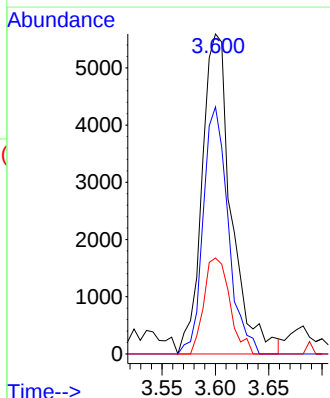
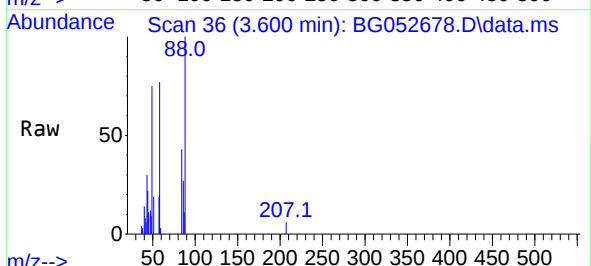
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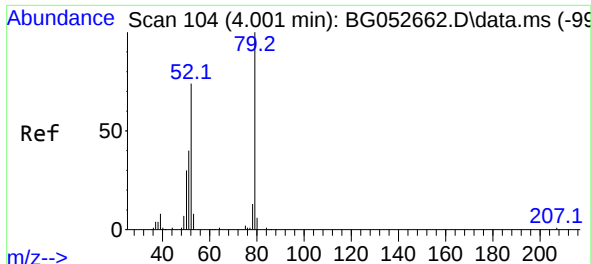
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#2
1,4-Dioxane
Concen: 9.915 ng
RT: 3.600 min Scan# 36
Delta R.T. 0.004 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

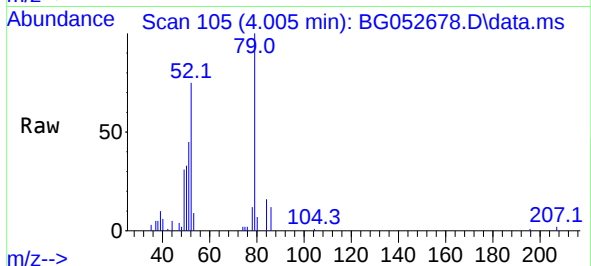
Tgt Ion: 88 Resp: 10709
Ion Ratio Lower Upper
88 100
58 65.8 58.2 87.2
43 26.4 23.4 35.0





#3
Pyridine
Concen: 7.981 ng
RT: 4.005 min Scan# 104
Delta R.T. 0.004 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

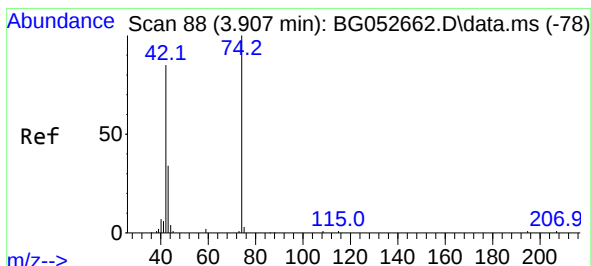
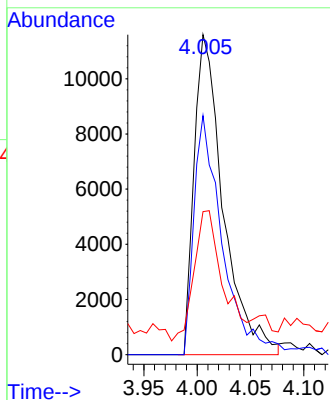
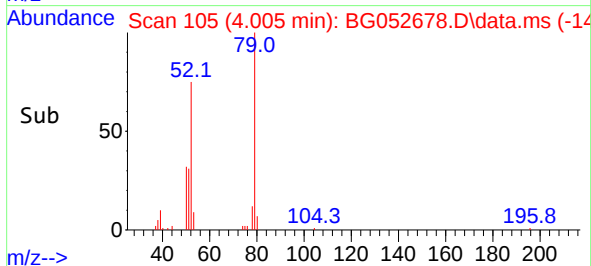
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LOQ-SOIL-02-QT1-2022



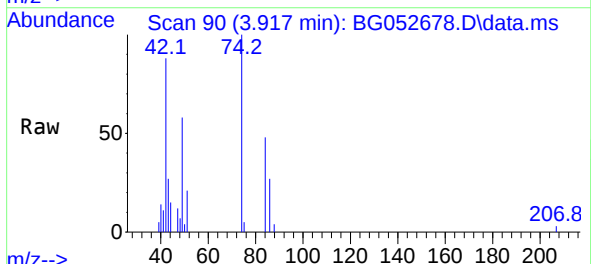
Tgt Ion: 79 Resp: 2209
Ion Ratio Lower Upper
79 100
52 74.7 50.9 76.3
51 44.7 24.4 36.6

Manual Integrations
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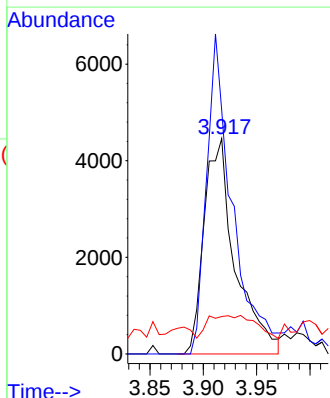
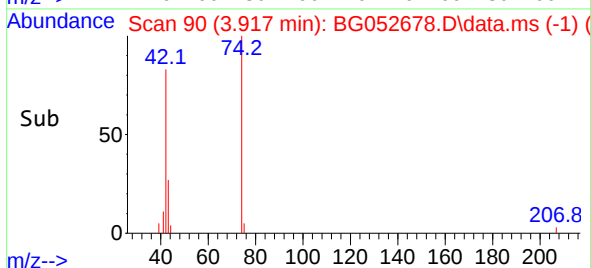
Reviewed By :Christian
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03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

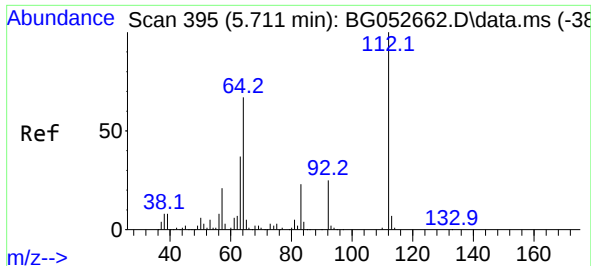


#4
n-Nitrosodimethylamine
Concen: 7.376 ng
RT: 3.917 min Scan# 90
Delta R.T. 0.010 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



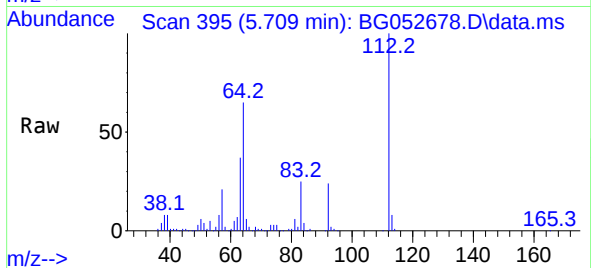
Tgt Ion: 42 Resp: 9060
Ion Ratio Lower Upper
42 100
74 113.1 108.9 163.3
44 17.4 5.7 8.5





#5
2-Fluorophenol
Concen: 93.176 ng
RT: 5.709 min Scan# 395
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

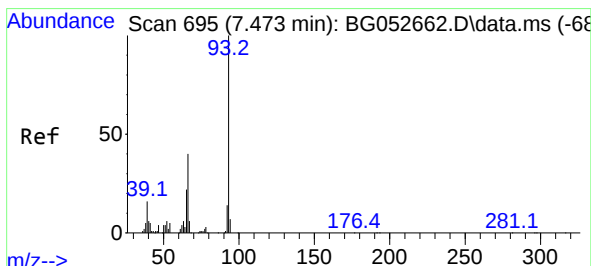
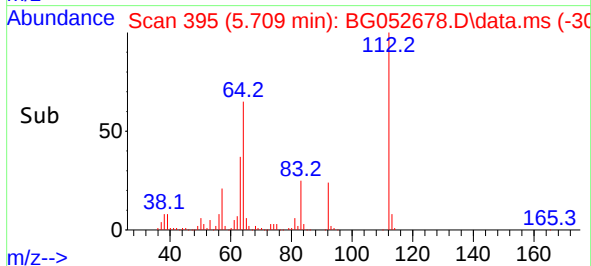
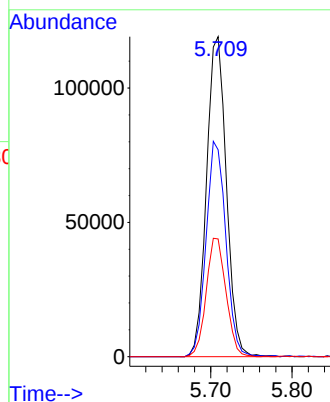
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:112 Resp: 20118
Ion Ratio Lower Upper
112 100
64 64.6 48.0 72.0
63 36.8 26.5 39.7

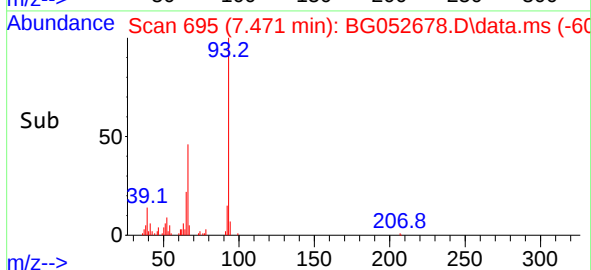
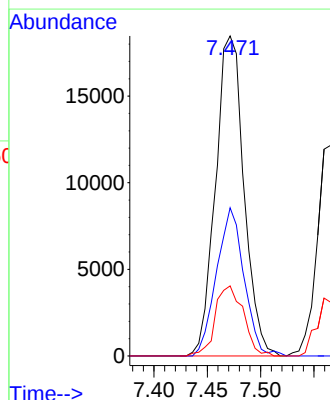
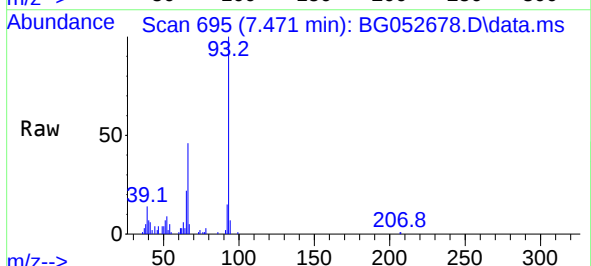
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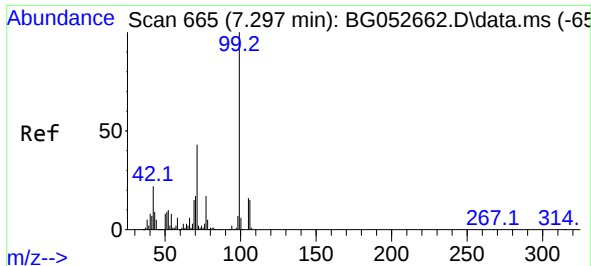
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#6
Aniline
Concen: 8.977 ng
RT: 7.471 min Scan# 695
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

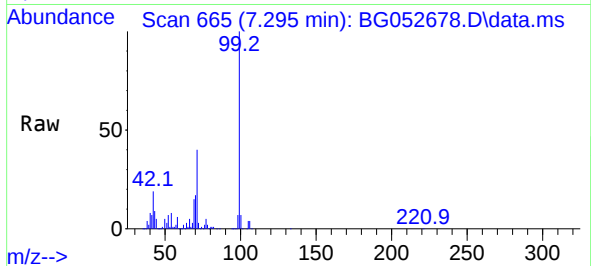
Tgt Ion: 93 Resp: 34263
Ion Ratio Lower Upper
93 100
66 46.3 31.3 46.9
65 21.9 16.7 25.1





#7
Phenol-d6
Concen: 89.137 ng
RT: 7.295 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022

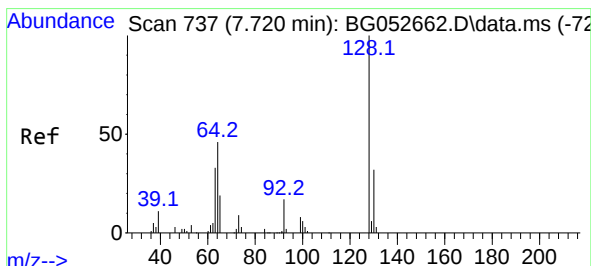
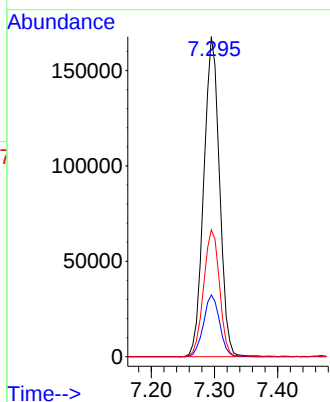


Tgt Ion: 99 Resp: 290164

Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.7	22.1
71	39.7	29.2	43.8

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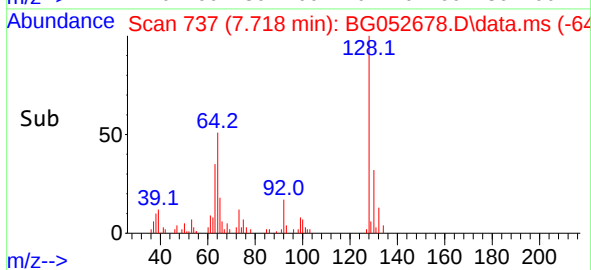
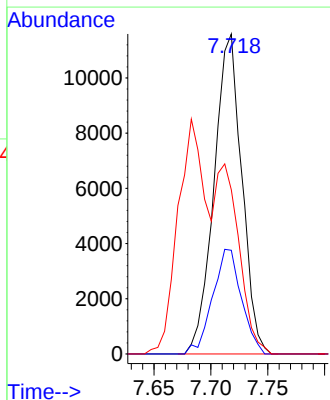
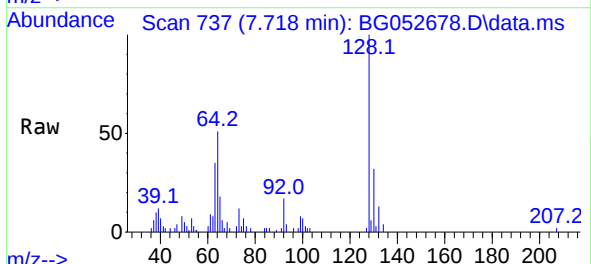
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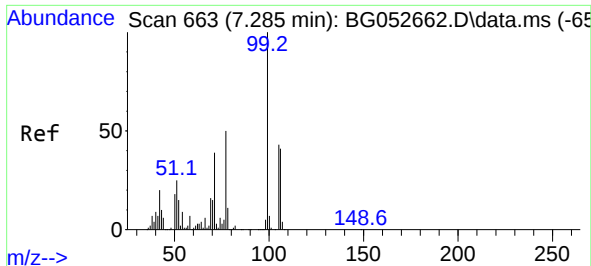


#8
2-Chlorophenol
Concen: 8.679 ng
RT: 7.718 min Scan# 737
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Tgt Ion:128 Resp: 19692

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.4	53.4
64	51.3	30.9	70.9





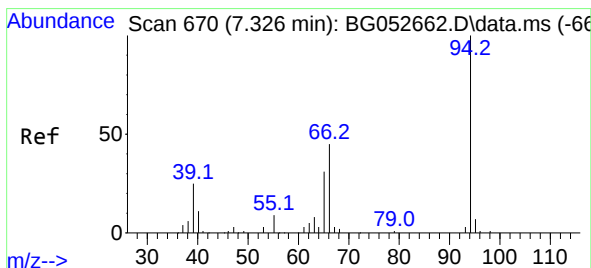
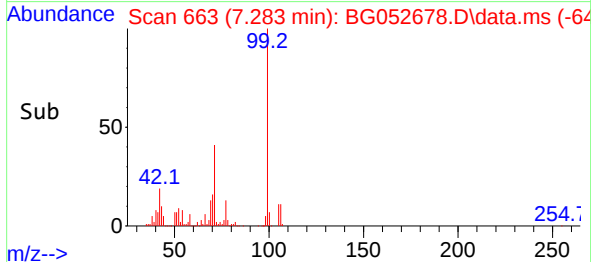
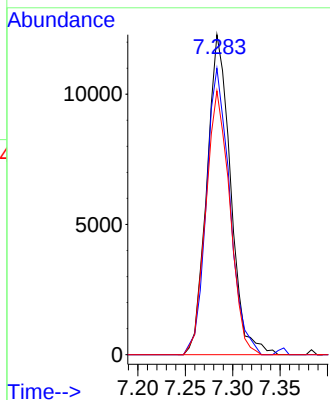
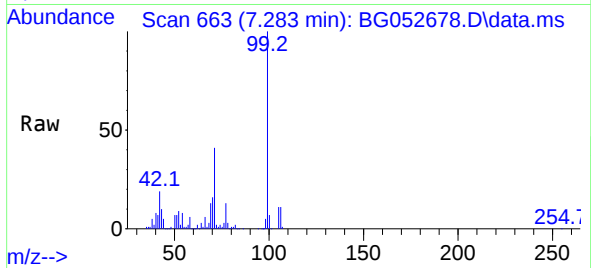
#9
Benzaldehyde
Concen: 10.745 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 77 Resp: 2148
Ion Ratio Lower Upper
77 100
105 89.5 70.6 110.6
106 82.5 67.6 107.6

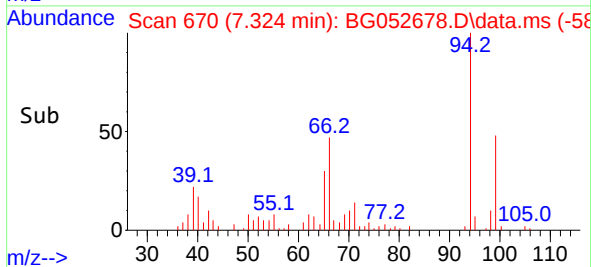
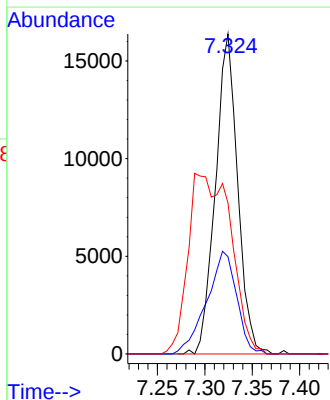
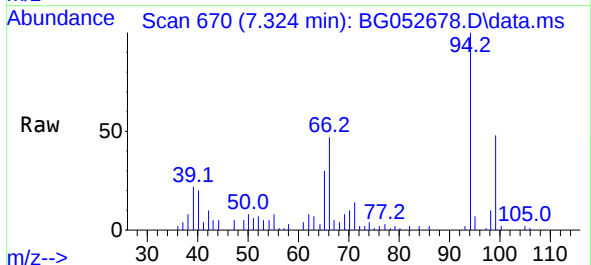
Manual Integrations
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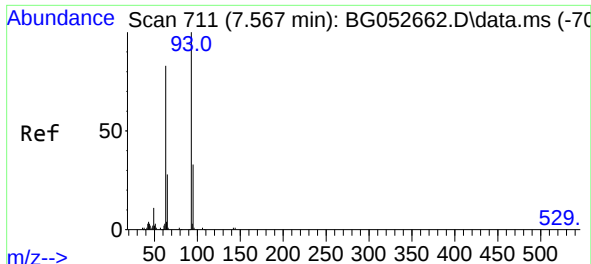
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#10
Phenol
Concen: 8.290 ng
RT: 7.324 min Scan# 670
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

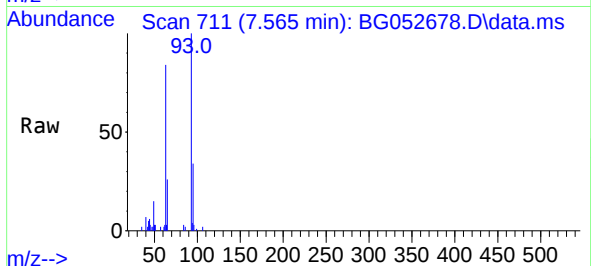
Tgt Ion: 94 Resp: 26639
Ion Ratio Lower Upper
94 100
65 30.4 11.1 51.1
66 47.2 20.0 60.0





#11
bis(2-Chloroethyl)ether
Concen: 8.491 ng
RT: 7.565 min Scan# 711
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

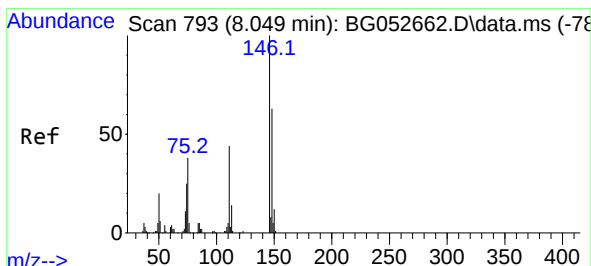
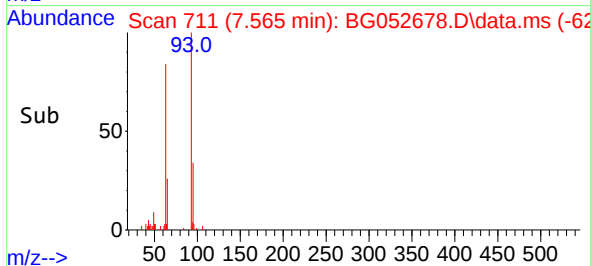
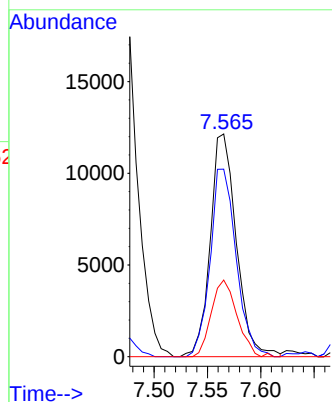
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion: 93 Resp: 20600
Ion Ratio Lower Upper
93 100
63 84.2 56.9 96.9
95 34.4 14.5 54.5

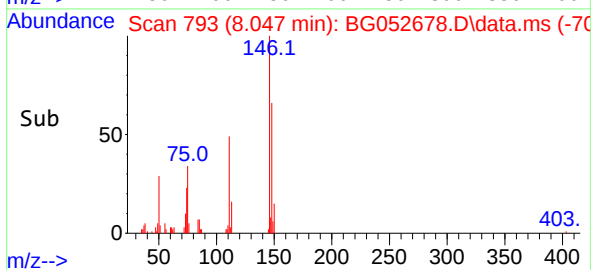
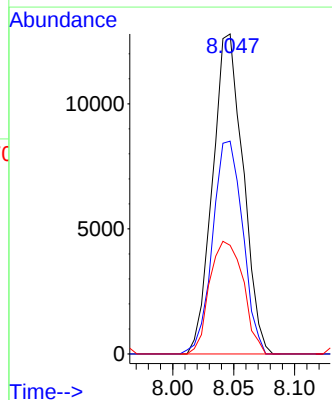
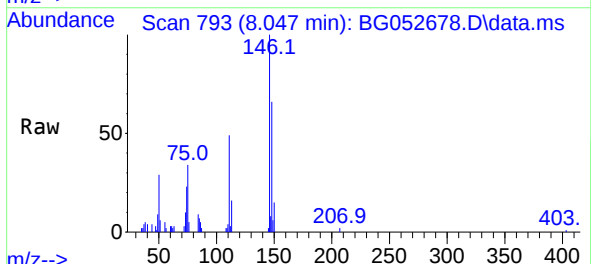
Manual Integrations
APPROVED

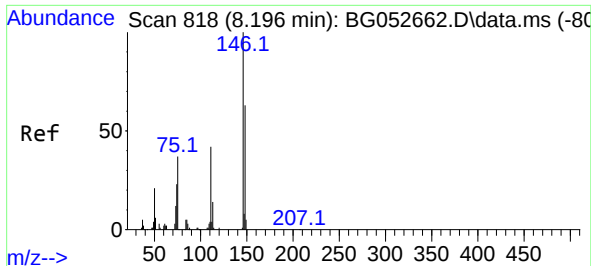
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#12
1,3-Dichlorobenzene
Concen: 8.151 ng
RT: 8.047 min Scan# 793
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

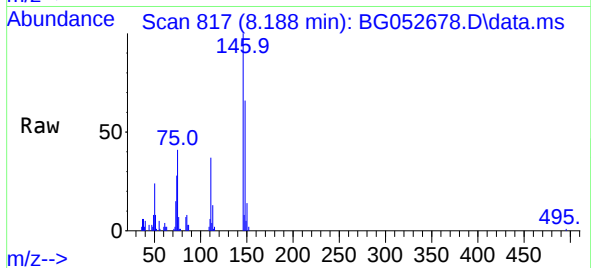
Tgt Ion:146 Resp: 22265
Ion Ratio Lower Upper
146 100
148 66.5 50.6 76.0
75 33.9 25.9 38.9





#13
1,4-Dichlorobenzene
Concen: 8.376 ng
RT: 8.188 min Scan# 818
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

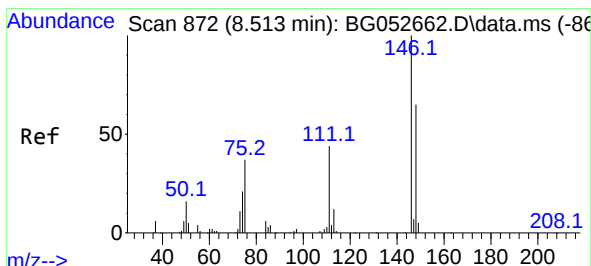
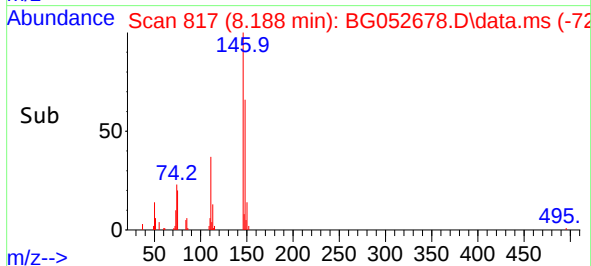
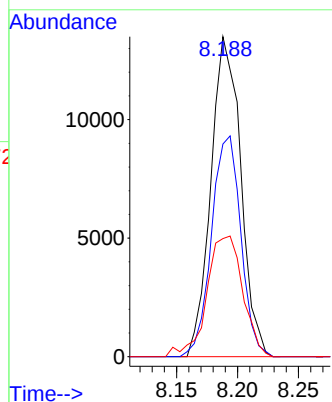
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:146 Resp: 22990
Ion Ratio Lower Upper
146 100
148 66.4 50.0 75.0
111 36.9 31.0 46.4

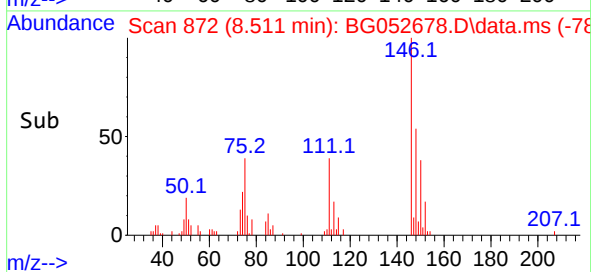
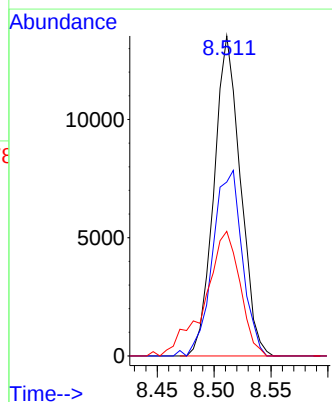
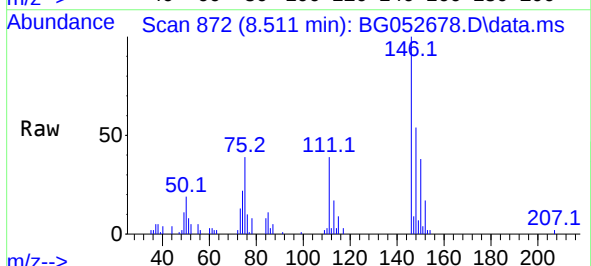
Manual Integrations
APPROVED

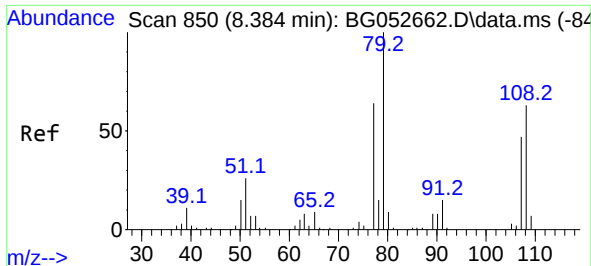
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#14
1,2-Dichlorobenzene
Concen: 8.435 ng
RT: 8.511 min Scan# 872
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

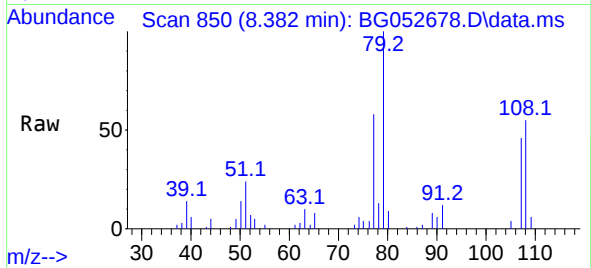
Tgt Ion:146 Resp: 21896
Ion Ratio Lower Upper
146 100
148 54.3 51.0 76.6
111 39.0 34.7 52.1





#15
Benzyl Alcohol
Concen: 7.694 ng
RT: 8.382 min Scan# 810
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

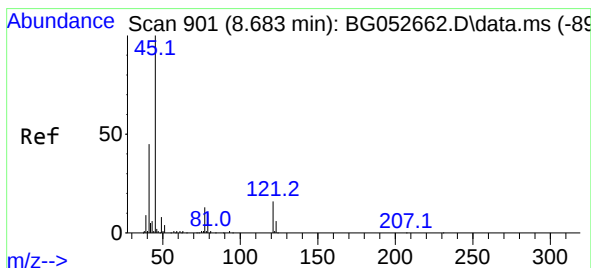
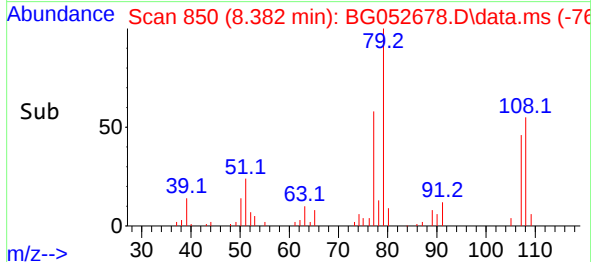
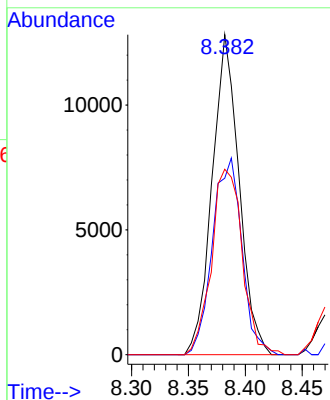
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 21088
Ion Ratio Lower Upper
79 100
108 55.2 55.1 82.7
77 57.9 52.4 78.6

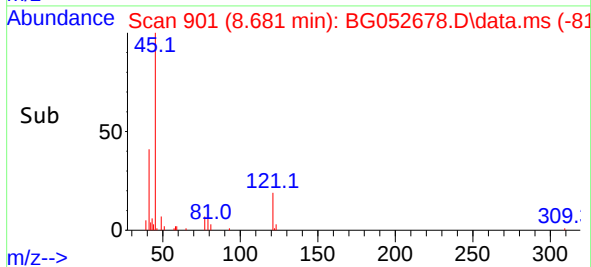
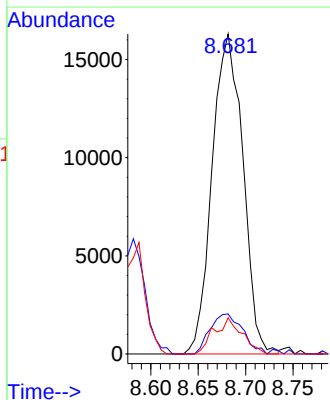
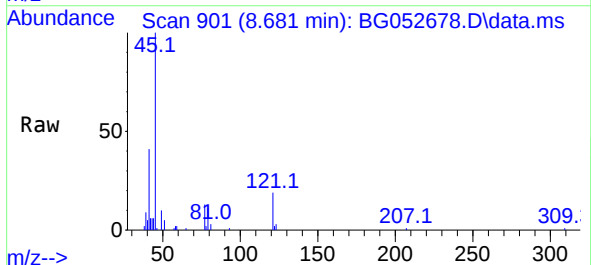
Manual Integrations
APPROVED

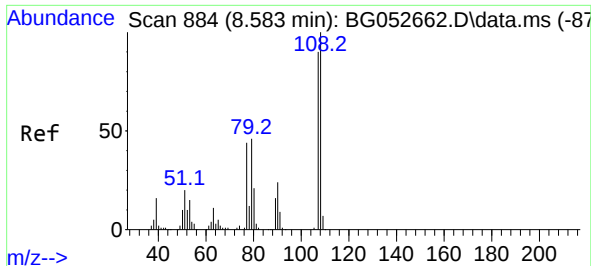
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.702 ng
RT: 8.681 min Scan# 901
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

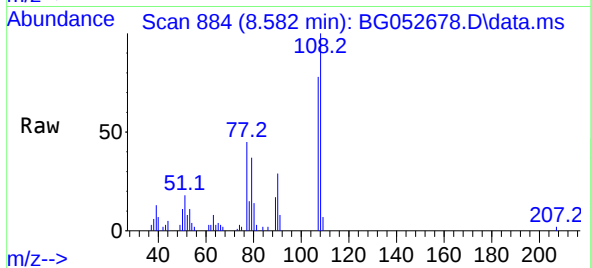
Tgt Ion: 45 Resp: 36775
Ion Ratio Lower Upper
45 100
77 12.5 0.0 34.9
79 11.3 0.0 30.7





#17
2-Methylphenol
Concen: 8.174 ng
RT: 8.582 min Scan# 884
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



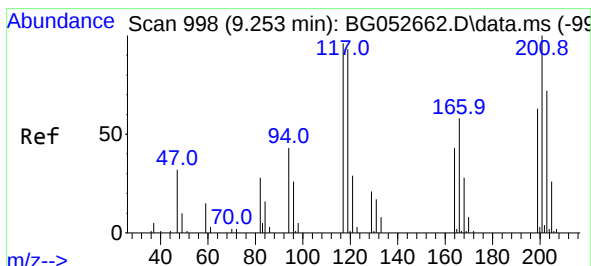
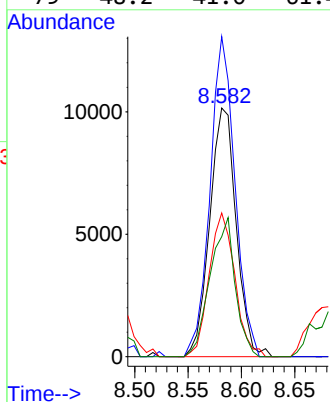
Tgt Ion:107 Resp: 1751

Ion	Ratio	Lower	Upper
107	100		
108	128.7	91.5	137.3
77	57.8	42.5	63.7
79	48.2	41.0	61.4

Manual Integrations
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Reviewed By :Christian
Giraldo
03/17/2022

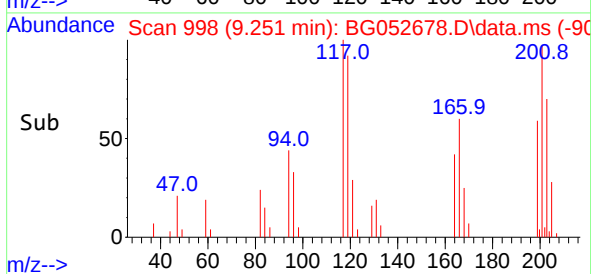
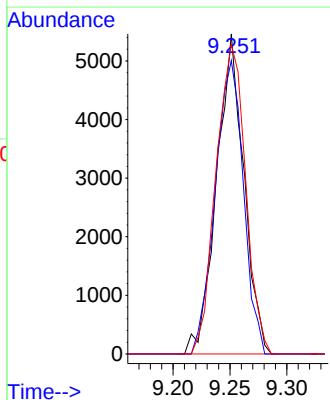
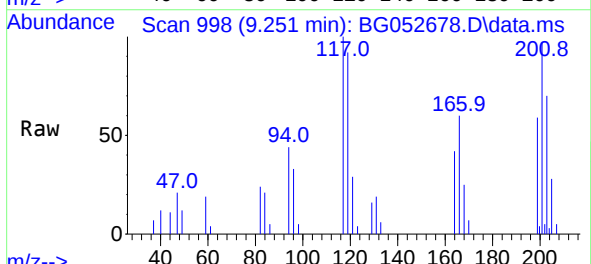
Supervised By :Jagrut
Upadhyay
03/17/2022

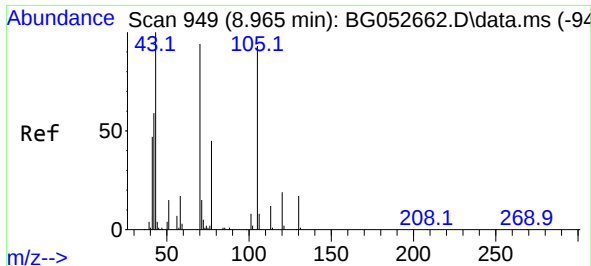


#18
Hexachloroethane
Concen: 9.013 ng
RT: 9.251 min Scan# 998
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Tgt Ion:117 Resp: 9076

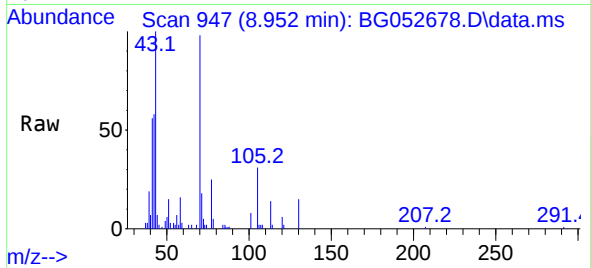
Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.1	112.7
201	96.7	96.6	145.0





#19
n-Nitroso-di-n-propylamine
Concen: 8.093 ng
RT: 8.952 min Scan# 94
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

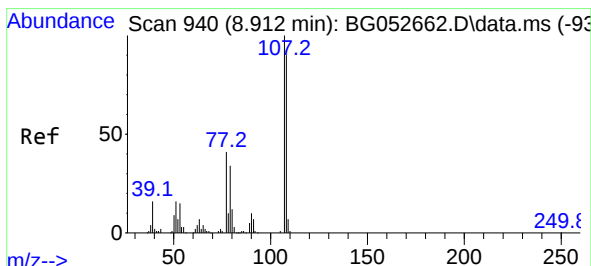
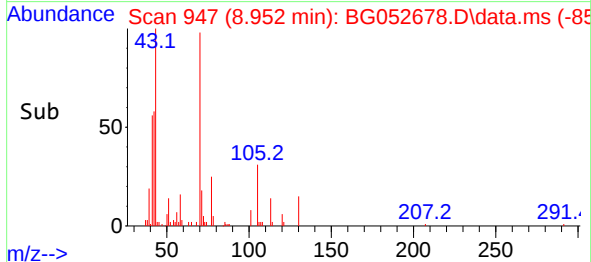
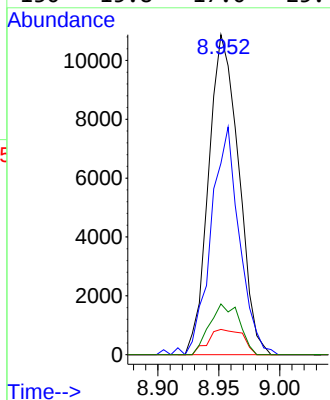


Tgt Ion: 70 Resp: 1865
Ion Ratio Lower Upper
70 100
42 59.8 46.0 69.0
101 7.9 6.2 9.4
130 15.8 17.0 25.4

Manual Integrations
APPROVED

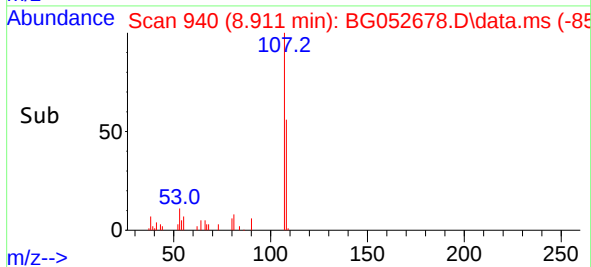
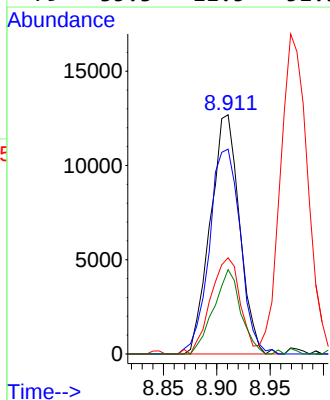
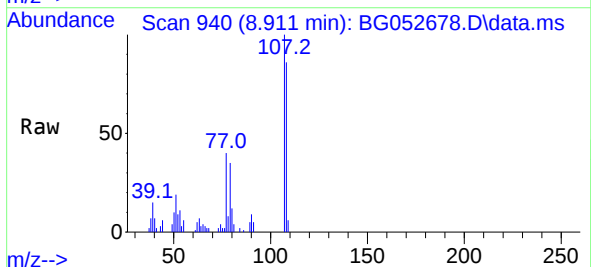
Reviewed By :Christian
Giraldo
03/17/2022

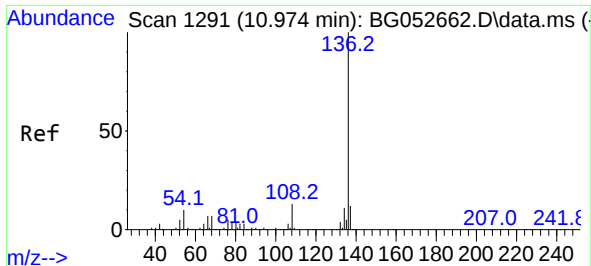
Supervised By :Jagrut
Upadhyay
03/17/2022



#20
3+4-Methylphenols
Concen: 8.066 ng
RT: 8.911 min Scan# 940
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

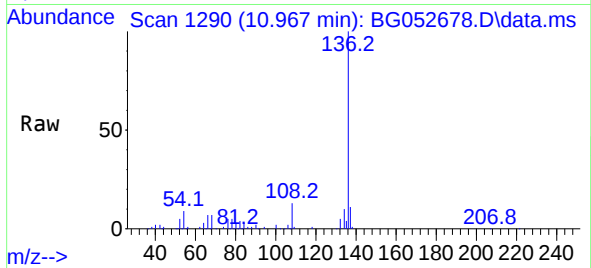
Tgt Ion:107 Resp: 24181
Ion Ratio Lower Upper
107 100
108 85.6 64.8 104.8
77 40.2 15.9 55.9
79 35.3 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

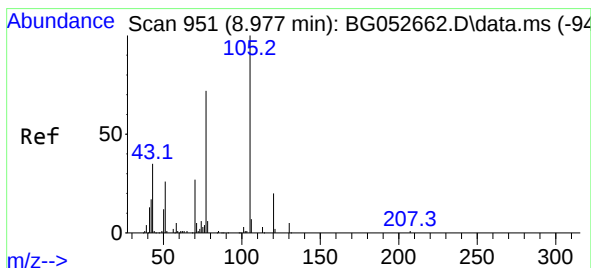
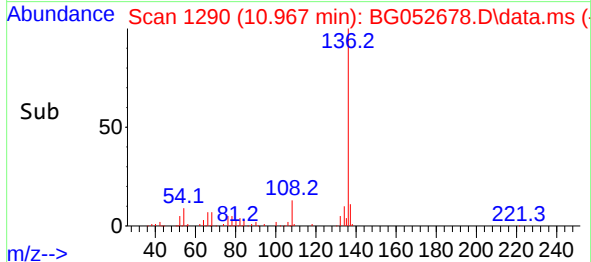
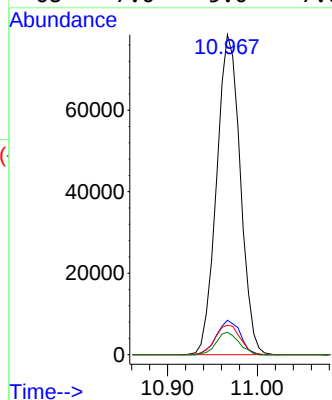
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 143725
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 9.2 6.4 9.6
68 7.0 5.0 7.6

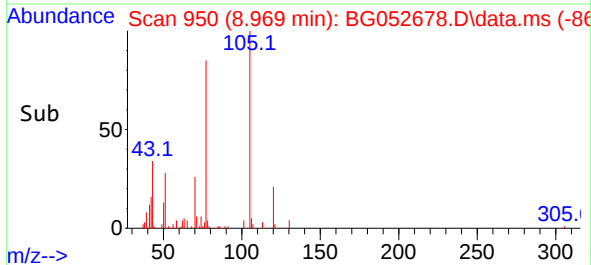
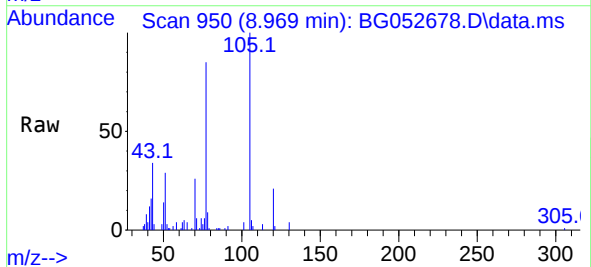
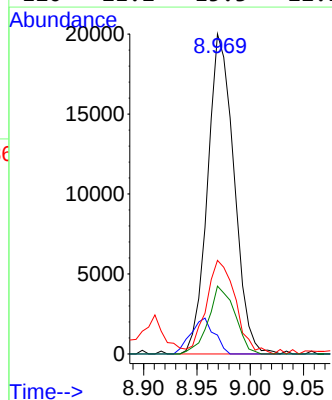
Manual Integrations
APPROVED

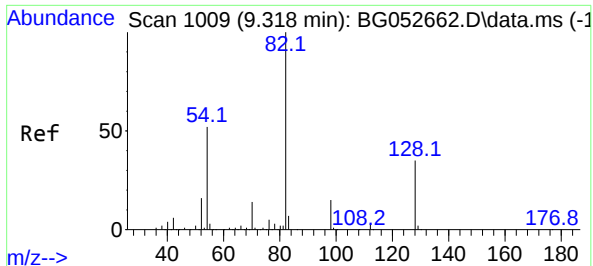
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#22
Acetophenone
Concen: 9.250 ng
RT: 8.969 min Scan# 950
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Tgt Ion:105 Resp: 34404
Ion Ratio Lower Upper
105 100
71 5.9 2.1 3.1#
51 29.2 21.9 32.9
120 21.2 15.3 22.9





#23

Nitrobenzene-d5

Concen: 75.873 ng

RT: 9.310 min Scan# 1009

Delta R.T. -0.008 min

Lab File: BG052678.D

Acq: 16 Mar 2022 14:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 21727

Ion Ratio Lower Upper

82 100

128 37.2 31.3 46.9

54 50.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Christian

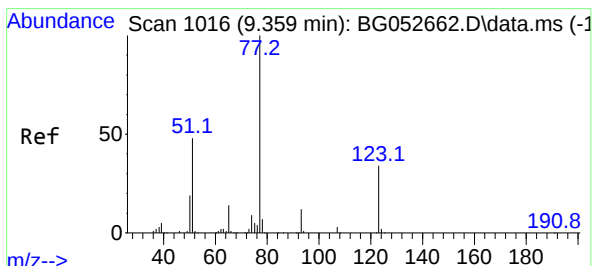
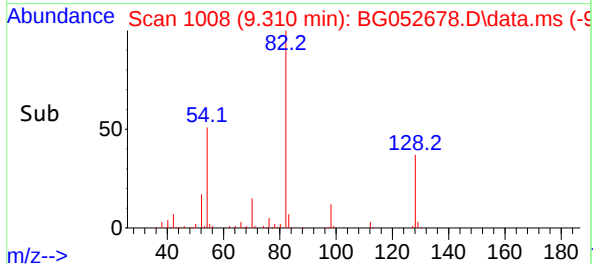
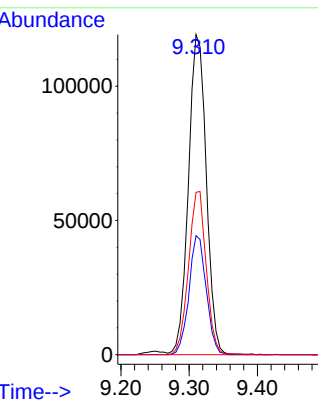
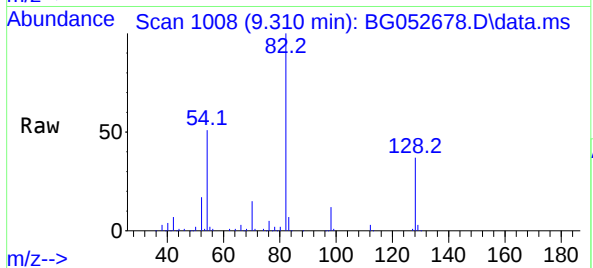
Giraldo

03/17/2022

Supervised By :Jagrut

Upadhyay

03/17/2022



#24

Nitrobenzene

Concen: 9.746 ng

RT: 9.357 min Scan# 1016

Delta R.T. -0.002 min

Lab File: BG052678.D

Acq: 16 Mar 2022 14:58

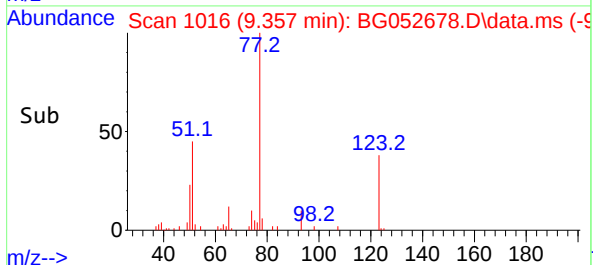
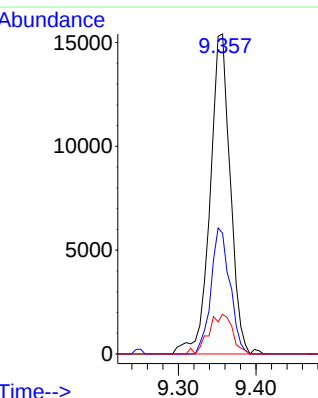
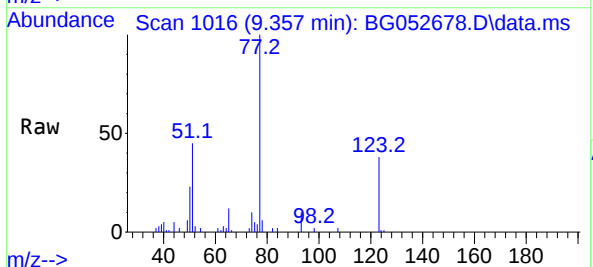
Tgt Ion: 77 Resp: 27926

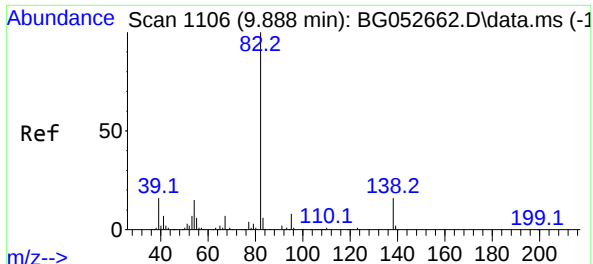
Ion Ratio Lower Upper

77 100

123 37.7 34.4 51.6

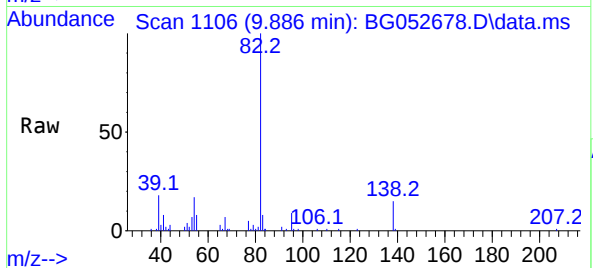
65 12.4 11.2 16.8





#25
Isophorone
Concen: 9.115 ng
RT: 9.886 min Scan# 1106
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

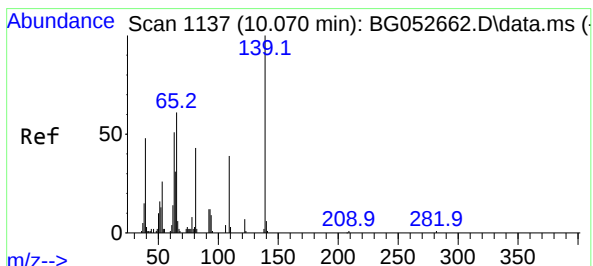
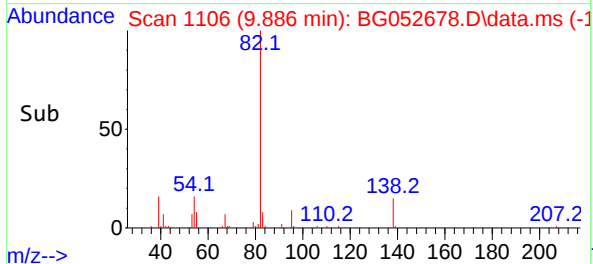
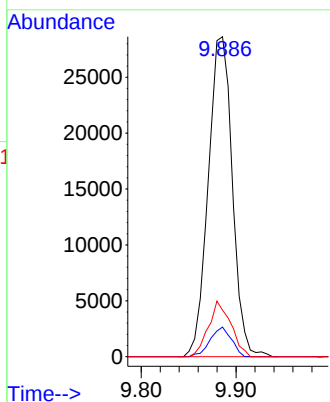
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 82 Resp: 5054
Ion Ratio Lower Upper
82 100
95 9.3 5.8 8.6
138 14.6 12.6 18.8

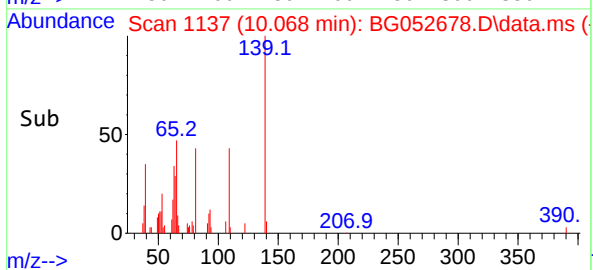
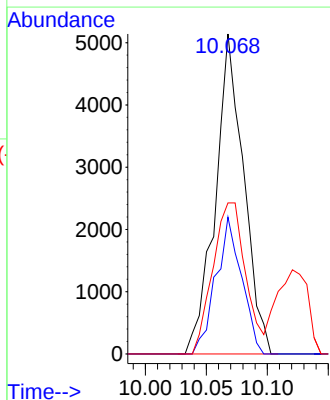
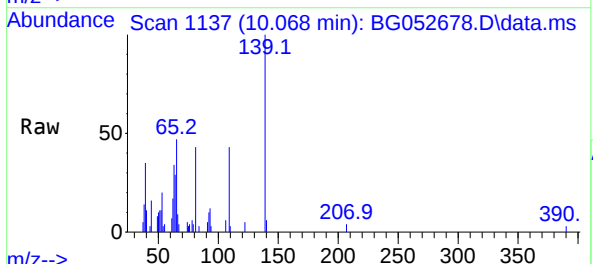
Manual Integrations
APPROVED

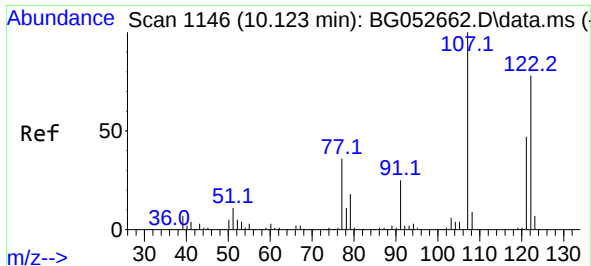
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#26
2-Nitrophenol
Concen: 8.390 ng
RT: 10.068 min Scan# 1137
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

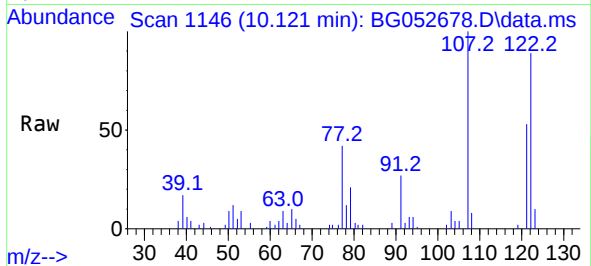
Tgt Ion:139 Resp: 8348
Ion Ratio Lower Upper
139 100
109 42.8 29.4 44.0
65 47.2 48.2 72.2#





#27
2,4-Dimethylphenol
Concen: 9.693 ng
RT: 10.121 min Scan# 1146
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

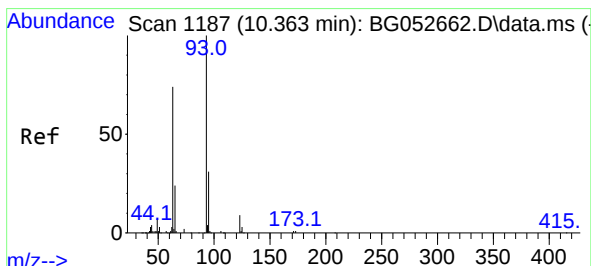
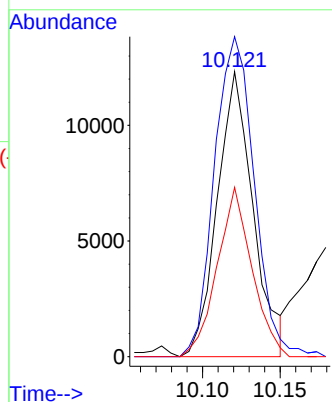
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



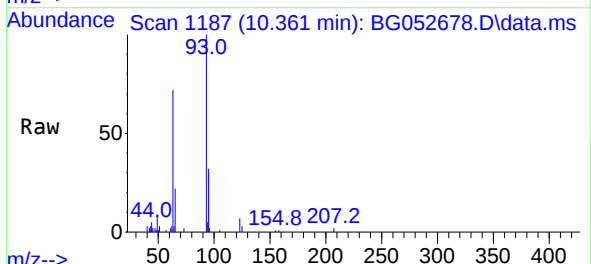
Tgt Ion:122 Resp: 1973
Ion Ratio Lower Upper
122 100
107 112.3 96.7 145.1
121 59.4 46.3 69.5

Manual Integrations
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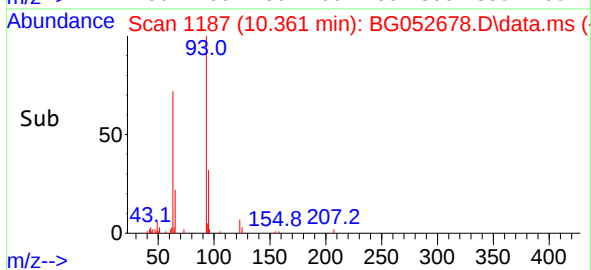
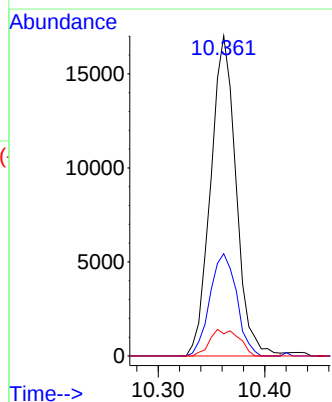
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

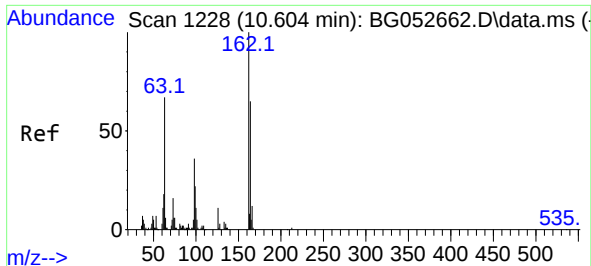


#28
bis(2-Chloroethoxy)methane
Concen: 8.578 ng
RT: 10.361 min Scan# 1187
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



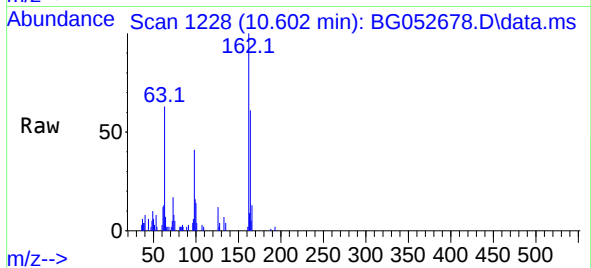
Tgt Ion: 93 Resp: 28124
Ion Ratio Lower Upper
93 100
95 31.9 26.5 39.7
123 7.0 8.6 12.8#





#29
2,4-Dichlorophenol
Concen: 8.492 ng
RT: 10.602 min Scan# 1228
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

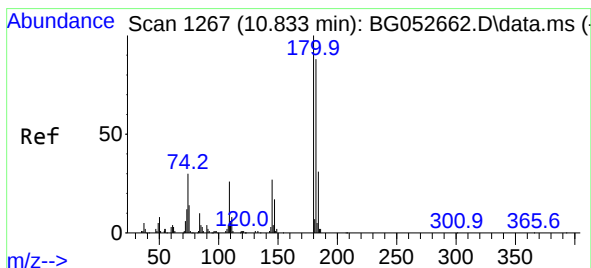
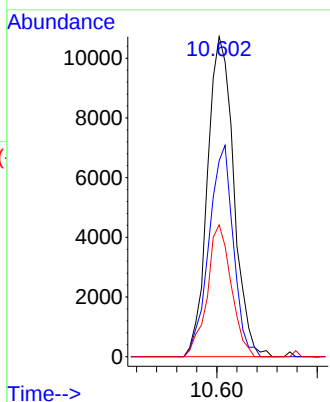
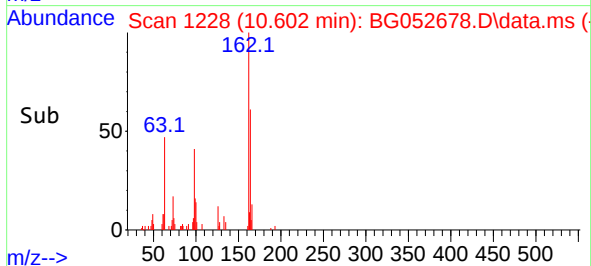
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



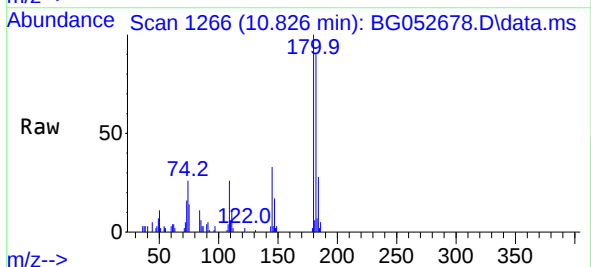
Tgt Ion:162 Resp: 1945
Ion Ratio Lower Upper
162 100
164 61.2 44.0 84.0
98 41.2 17.3 57.3

Manual Integrations
APPROVED

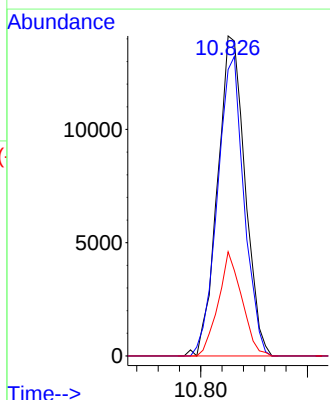
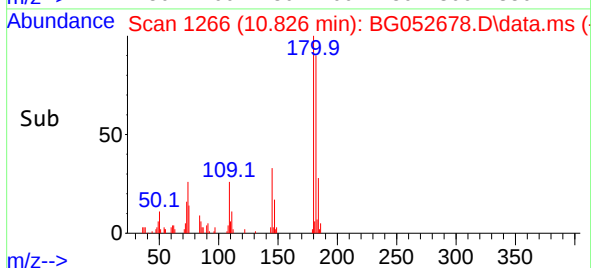
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

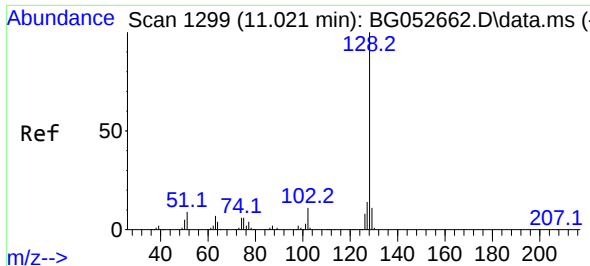


#30
1,2,4-Trichlorobenzene
Concen: 9.349 ng
RT: 10.826 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



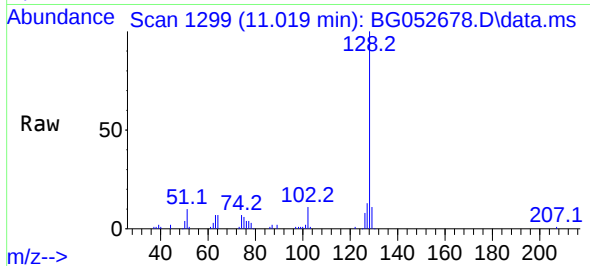
Tgt Ion:180 Resp: 25261
Ion Ratio Lower Upper
180 100
182 89.5 77.8 116.6
145 32.6 24.4 36.6





#31
Naphthalene
Concen: 9.240 ng
RT: 11.019 min Scan# 1158
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

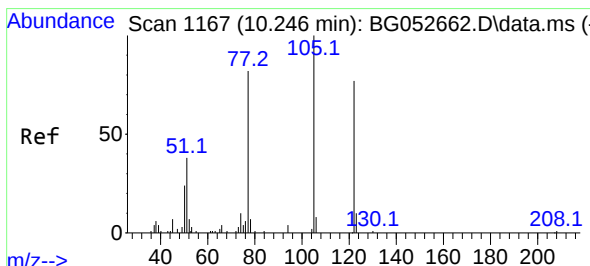
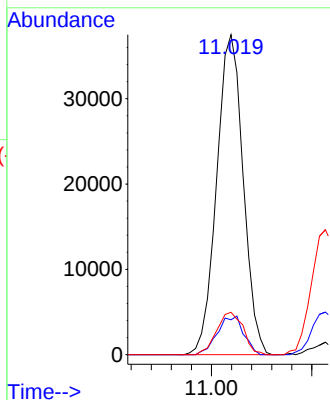
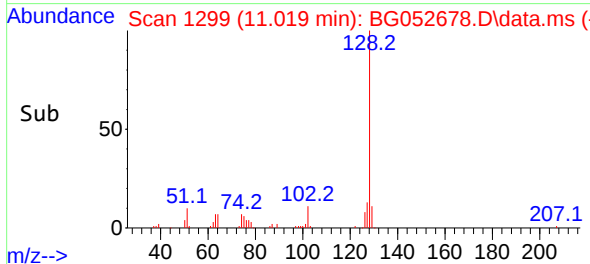
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 6867
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.2 10.5 15.7

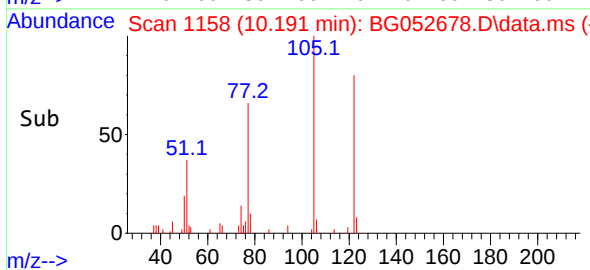
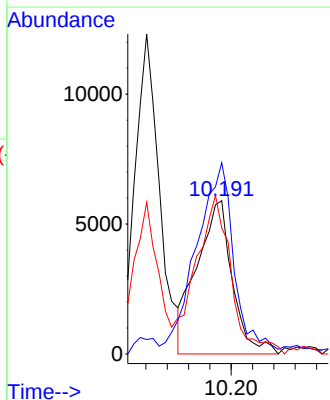
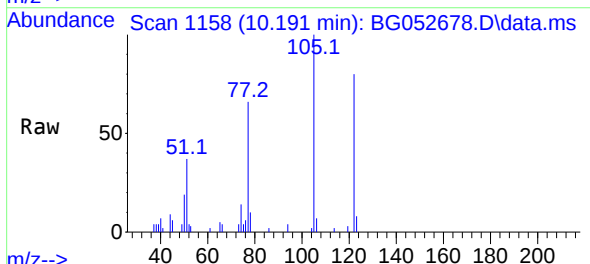
Manual Integrations
APPROVED

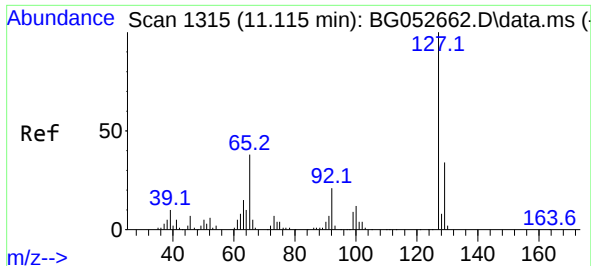
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#32
Benzoic acid
Concen: 9.950 ng
RT: 10.191 min Scan# 1158
Delta R.T. -0.055 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

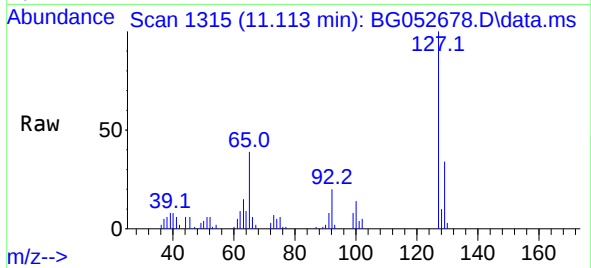
Tgt Ion:122 Resp: 13613
Ion Ratio Lower Upper
122 100
105 124.7 112.8 152.8
77 82.3 78.4 118.4





#33
4-Chloroaniline
Concen: 8.935 ng
RT: 11.113 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

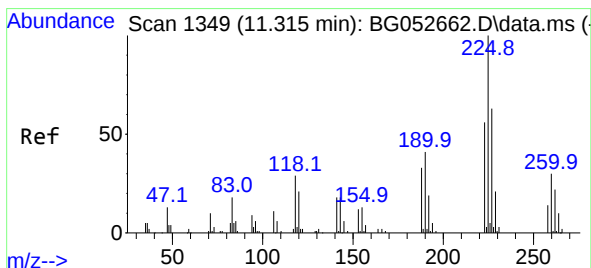
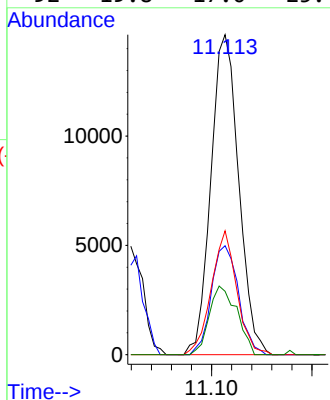
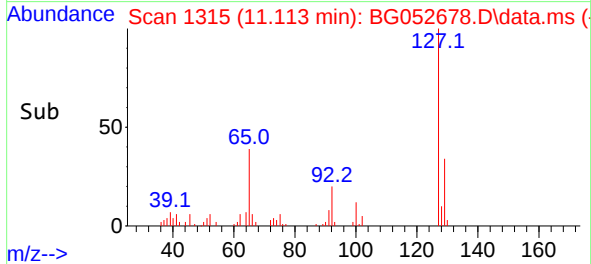
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:	127	Resp:	2814
Ion Ratio	Lower	Upper	
127	100		
129	34.1	27.6	41.4
65	38.7	28.2	42.4
92	19.8	17.0	25.4

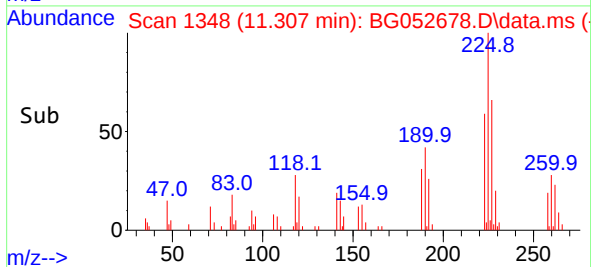
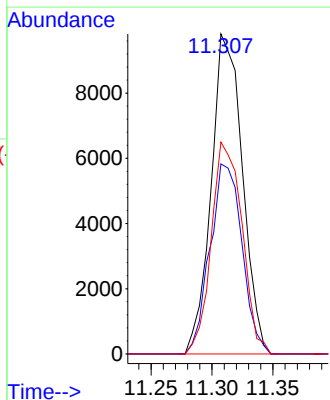
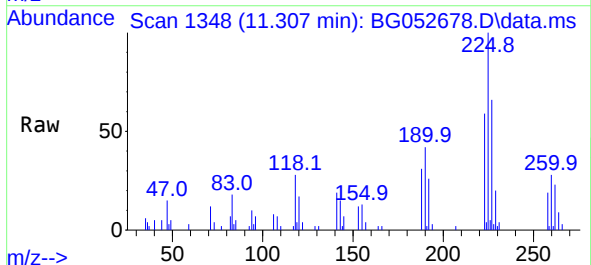
Manual Integrations
APPROVED

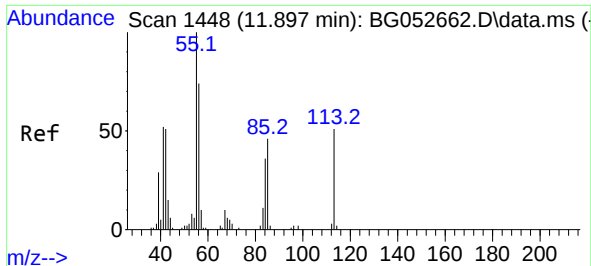
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#34
Hexachlorobutadiene
Concen: 9.018 ng
RT: 11.307 min Scan# 1348
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

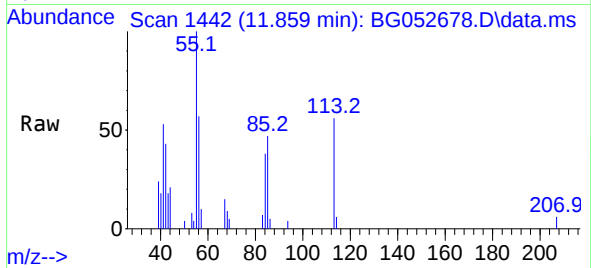
Tgt Ion:	225	Resp:	17471
Ion Ratio	Lower	Upper	
225	100		
223	59.4	50.2	75.2
227	66.2	52.0	78.0





#35
Caprolactam
Concen: 9.011 ng
RT: 11.859 min Scan# 1448
Delta R.T. -0.037 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

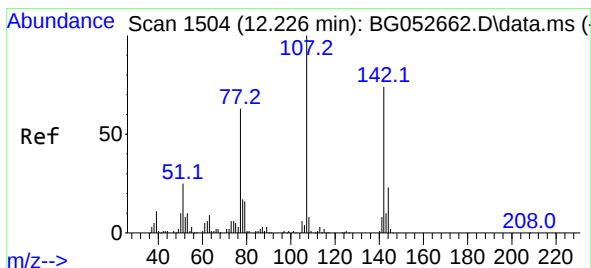
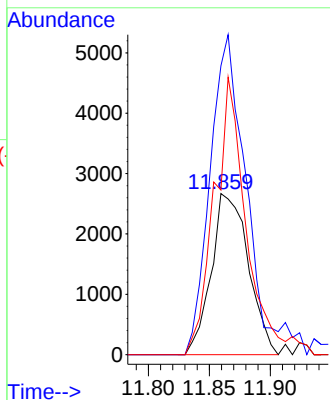
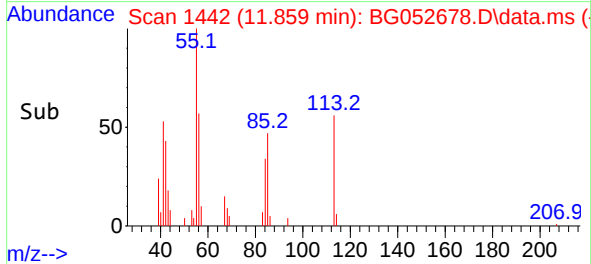
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:113 Resp: 5630
Ion Ratio Lower Upper
113 100
55 179.2 151.3 191.3
56 102.1 128.5 168.5

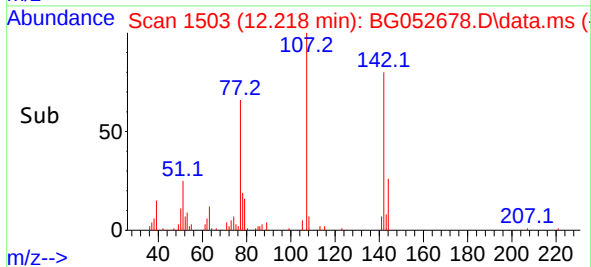
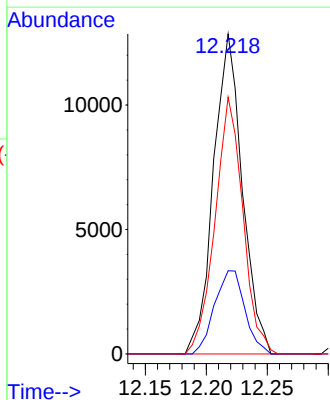
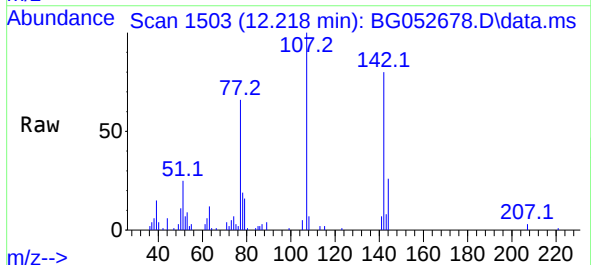
Manual Integrations
APPROVED

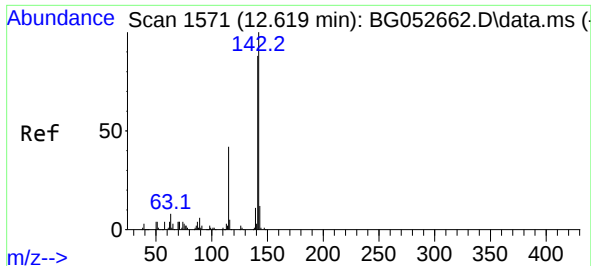
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#36
4-Chloro-3-methylphenol
Concen: 7.936 ng
RT: 12.218 min Scan# 1503
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

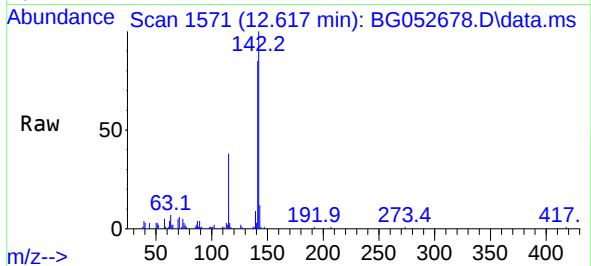
Tgt Ion:107 Resp: 21108
Ion Ratio Lower Upper
107 100
144 26.0 21.4 32.0
142 80.3 61.7 92.5





#37
2-Methylnaphthalene
Concen: 9.140 ng
RT: 12.617 min Scan# 1571
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

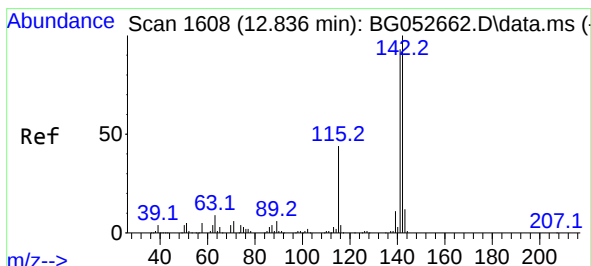
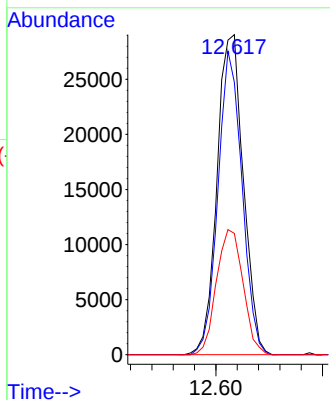
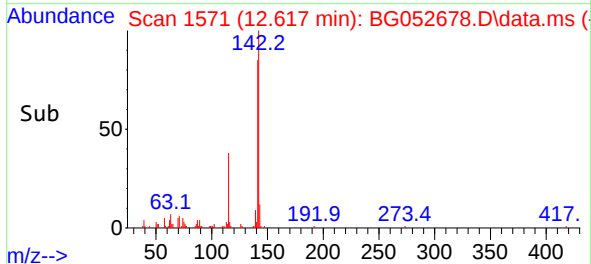
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



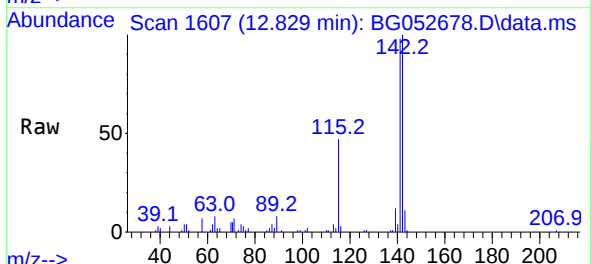
Tgt Ion:142 Resp: 49748
Ion Ratio Lower Upper
142 100
141 85.1 71.3 106.9
115 37.9 29.5 44.3

Manual Integrations
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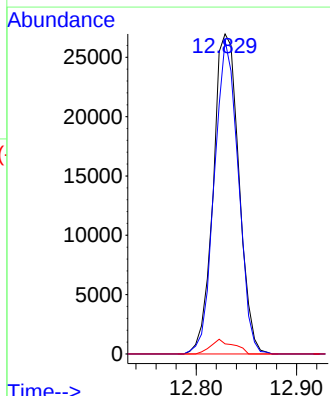
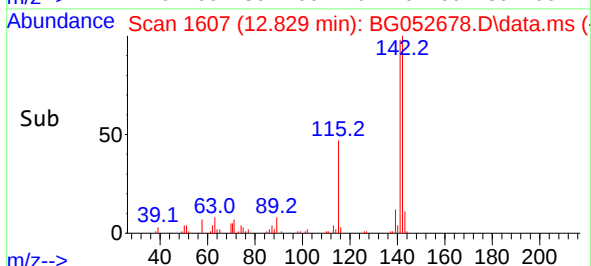
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

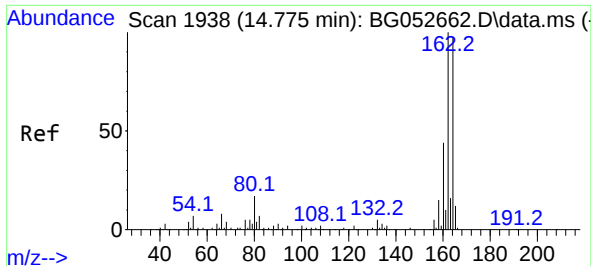


#38
1-Methylnaphthalene
Concen: 8.965 ng
RT: 12.829 min Scan# 1607
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



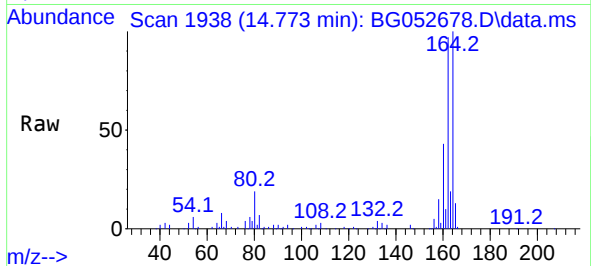
Tgt Ion:142 Resp: 47622
Ion Ratio Lower Upper
142 100
141 98.0 70.5 105.7
116 3.2 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

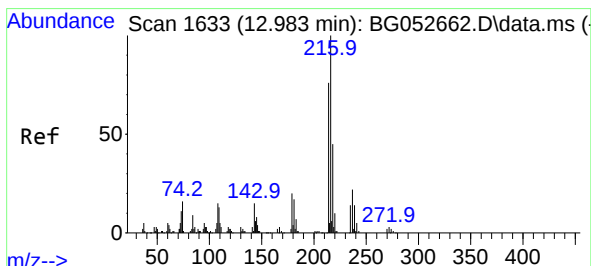
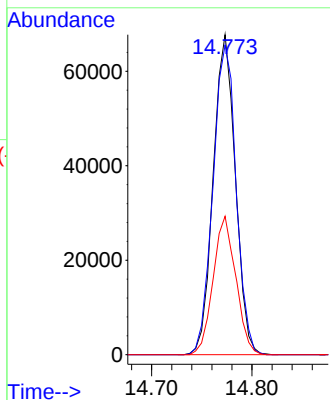
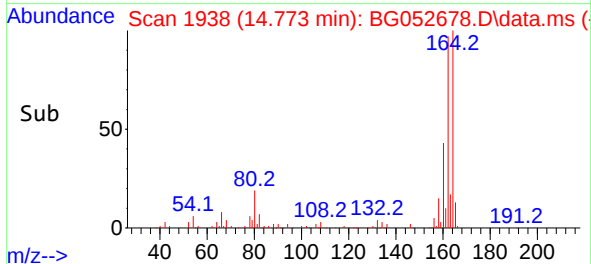
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



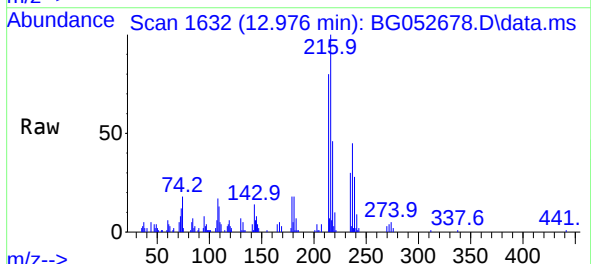
Tgt Ion:164 Resp: 103634
Ion Ratio Lower Upper
164 100
162 96.8 80.0 120.0
160 43.2 38.8 58.2

Manual Integrations
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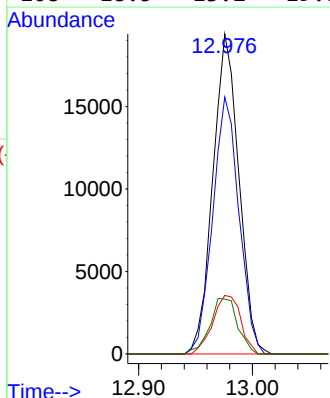
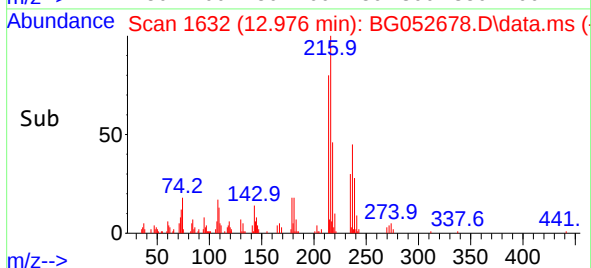
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

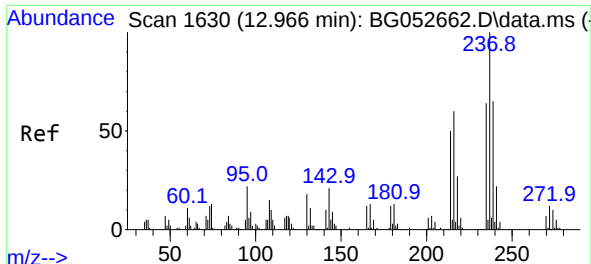


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.523 ng
RT: 12.976 min Scan# 1632
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



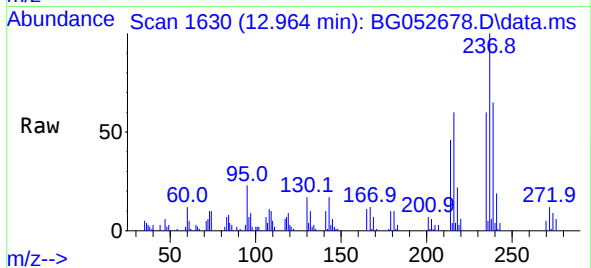
Tgt Ion:216 Resp: 30834
Ion Ratio Lower Upper
216 100
214 81.0 63.8 95.6
179 19.6 15.7 23.5
108 18.5 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 12.959 ng
RT: 12.964 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

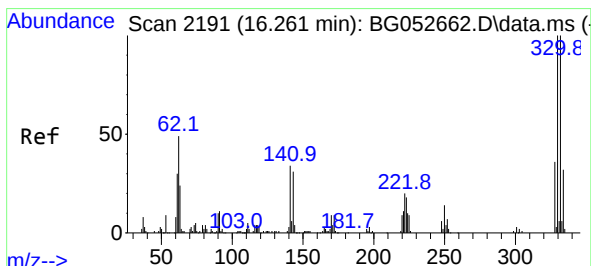
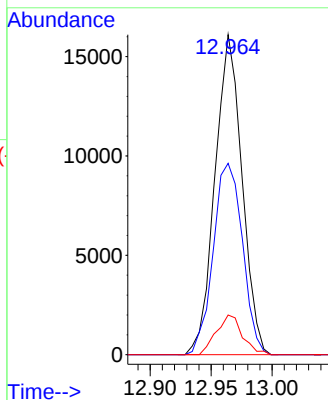
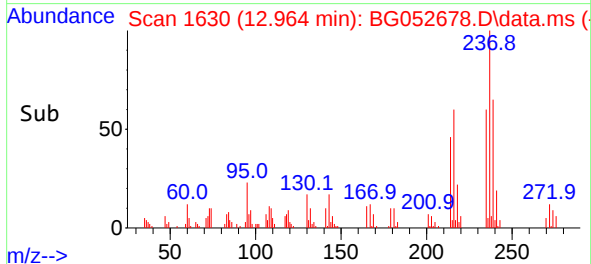
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



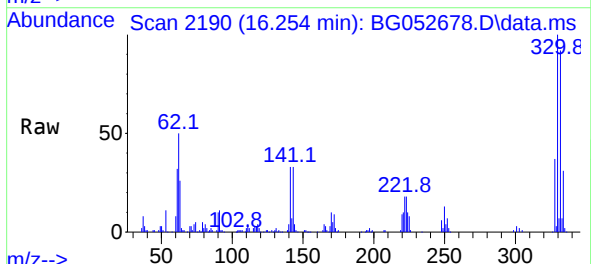
Tgt Ion:237 Resp: 24870
Ion Ratio Lower Upper
237 100
235 59.8 37.7 77.7
272 12.4 0.0 30.7

Manual Integrations
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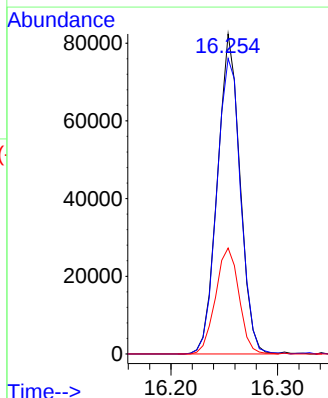
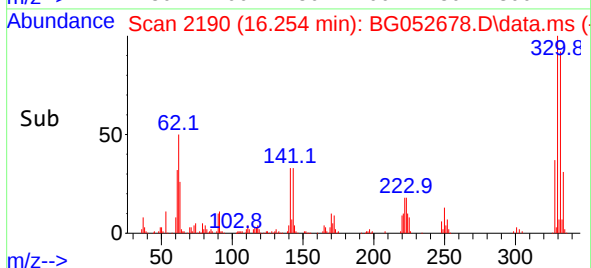
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

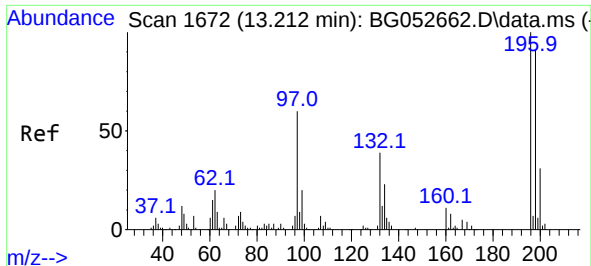


#42
2,4,6-Tribromophenol
Concen: 86.856 ng
RT: 16.254 min Scan# 2190
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



Tgt Ion:330 Resp: 120952
Ion Ratio Lower Upper
330 100
332 97.6 75.8 113.6
141 34.3 24.6 36.8





#43

2,4,6-Trichlorophenol

Concen: 8.135 ng

RT: 13.205 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG052678.D

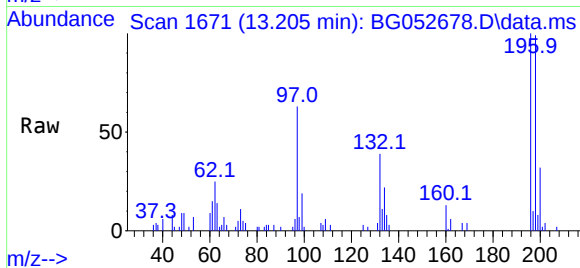
Acq: 16 Mar 2022 14:58

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion:196 Resp: 1686

Ion Ratio Lower Upper

196 100

198 99.4 78.8 118.2

200 32.0 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Christian

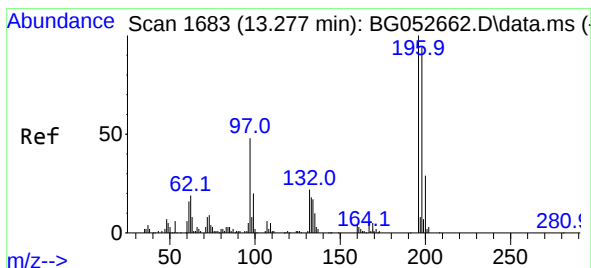
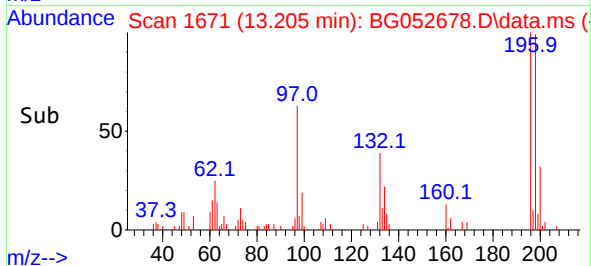
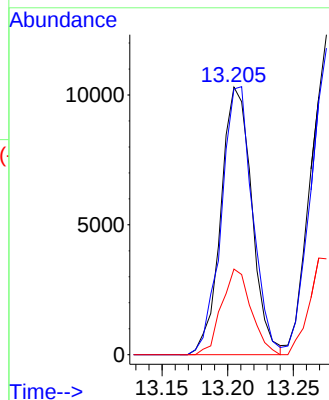
Giraldo

03/17/2022

Supervised By :Jagrut

Upadhyay

03/17/2022



#44

2,4,5-Trichlorophenol

Concen: 9.085 ng

RT: 13.275 min Scan# 1683

Delta R.T. -0.002 min

Lab File: BG052678.D

Acq: 16 Mar 2022 14:58

Tgt Ion:196 Resp: 19120

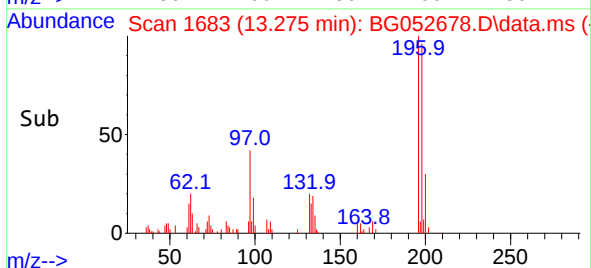
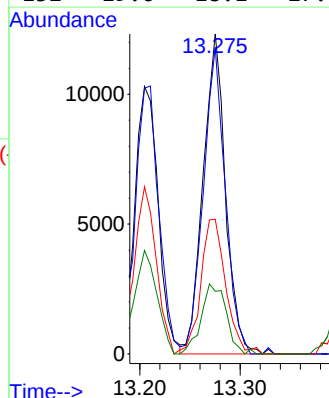
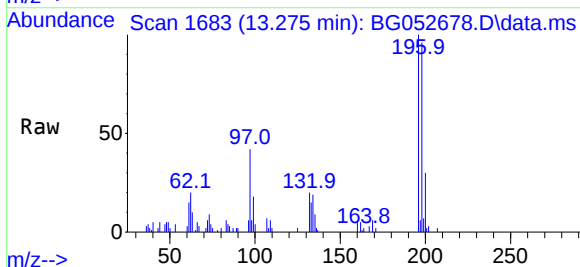
Ion Ratio Lower Upper

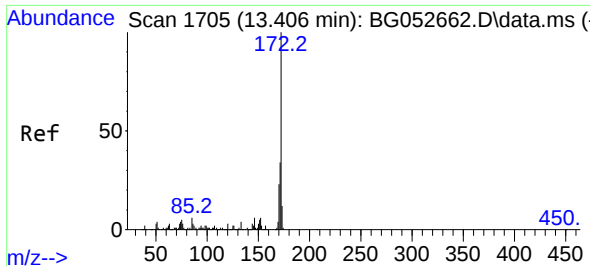
196 100

198 95.8 75.8 113.6

97 42.1 36.5 54.7

132 19.6 18.1 27.1





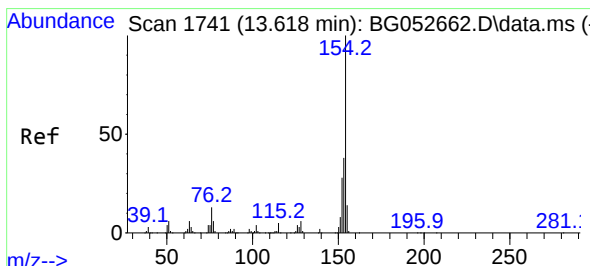
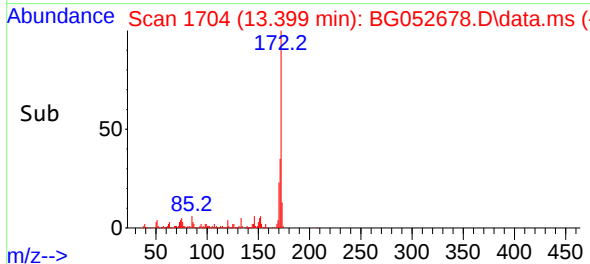
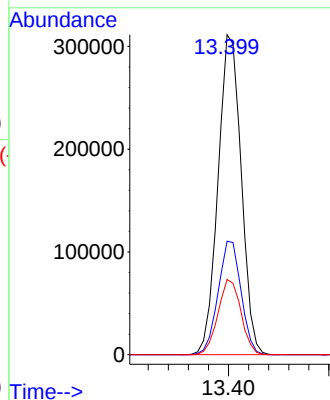
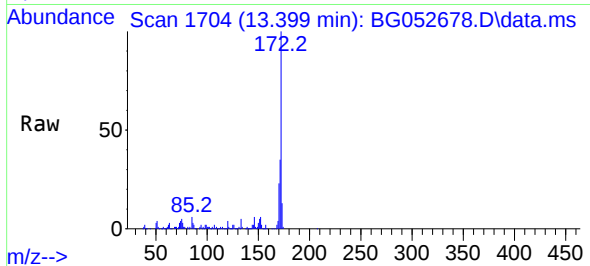
#45
2-Fluorobiphenyl
Concen: 70.976 ng
RT: 13.399 min Scan# 1704
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:172 Resp: 49873
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.5 18.0 27.0

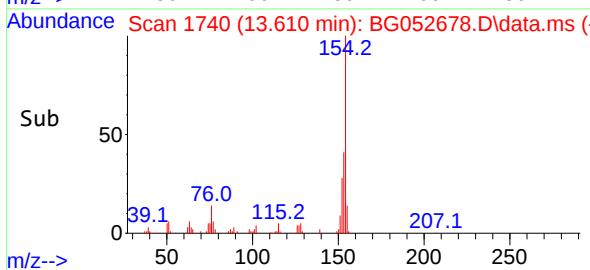
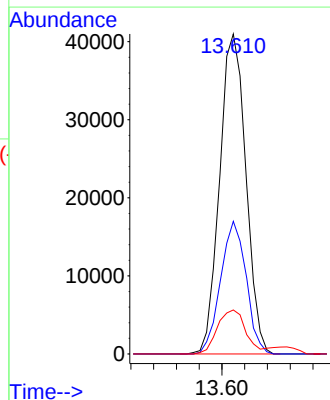
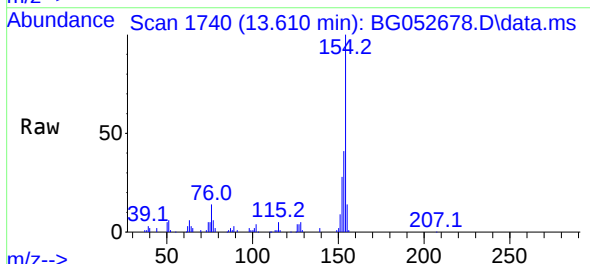
Manual Integrations
APPROVED

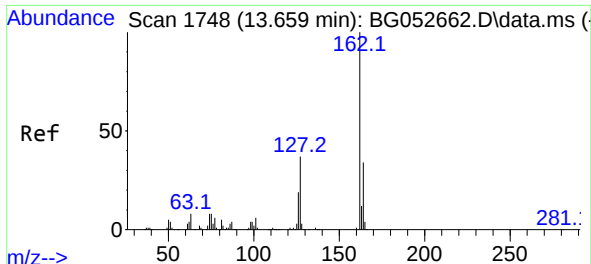
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#46
1,1'-Biphenyl
Concen: 9.056 ng
RT: 13.610 min Scan# 1740
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

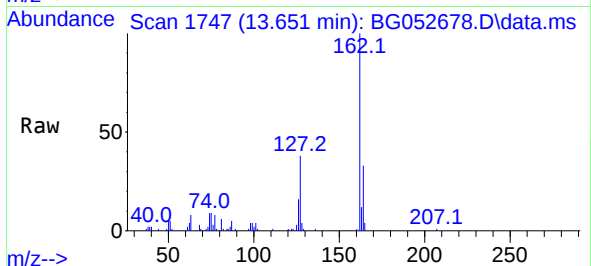
Tgt Ion:154 Resp: 65634
Ion Ratio Lower Upper
154 100
153 41.5 21.6 61.6
76 13.7 0.0 31.5





#47
2-Chloronaphthalene
Concen: 9.199 ng
RT: 13.651 min Scan# 1748
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

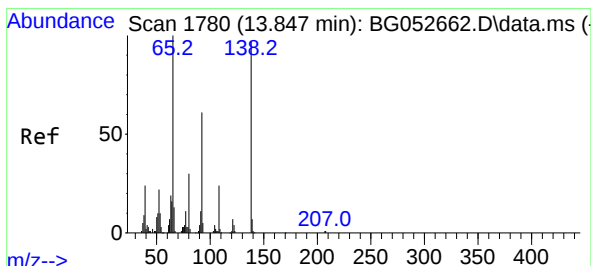
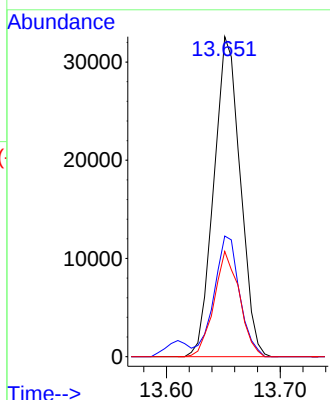
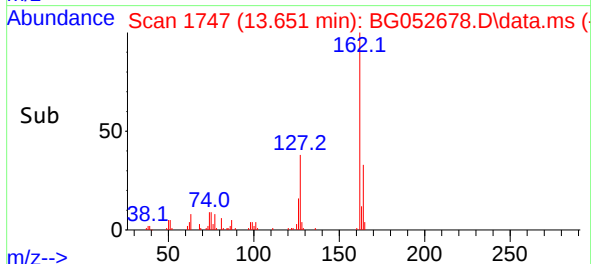
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



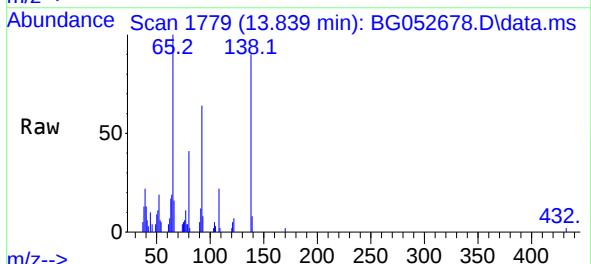
Tgt Ion:162 Resp: 5250
Ion Ratio Lower Upper
162 100
127 37.7 28.1 42.1
164 32.9 26.0 39.0

Manual Integrations
APPROVED

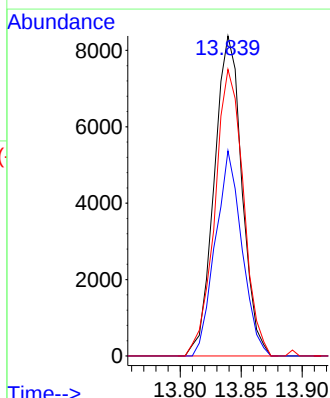
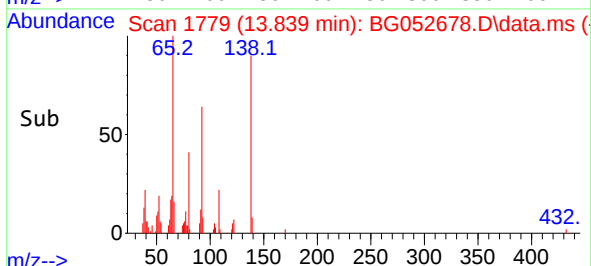
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

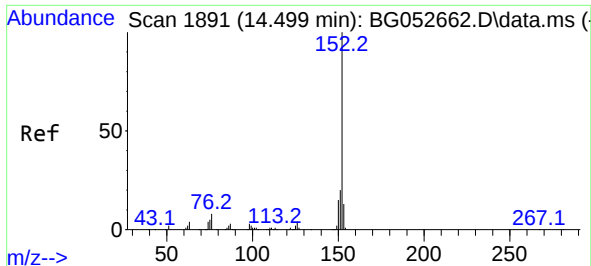


#48
2-Nitroaniline
Concen: 8.504 ng
RT: 13.839 min Scan# 1779
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



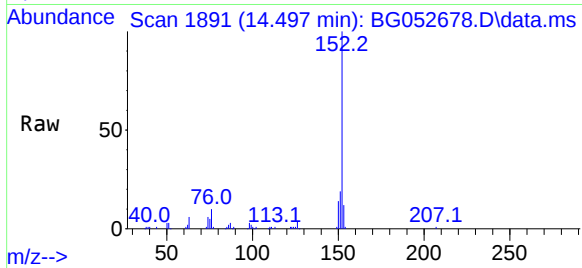
Tgt Ion: 65 Resp: 13274
Ion Ratio Lower Upper
65 100
92 64.1 52.1 78.1
138 89.6 80.1 120.1





#49
Acenaphthylene
Concen: 9.579 ng
RT: 14.497 min Scan# 1891
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

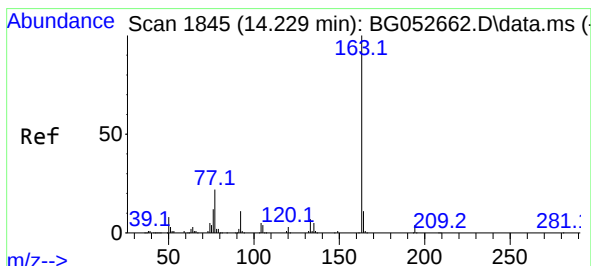
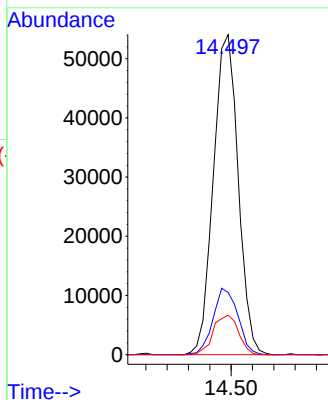
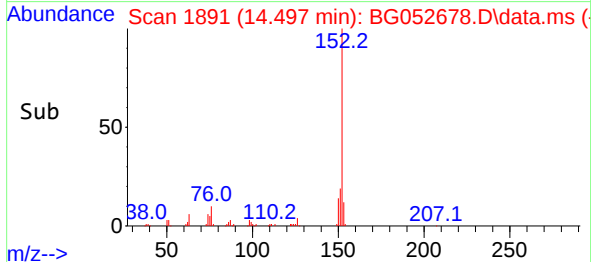
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



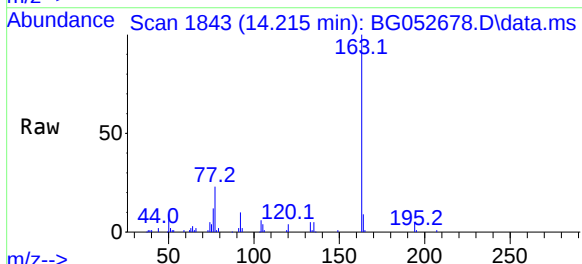
Tgt Ion:152 Resp: 8715
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 12.3 10.6 15.8

Manual Integrations
APPROVED

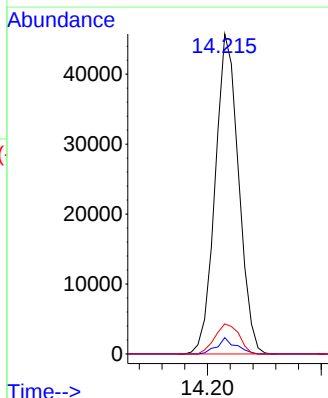
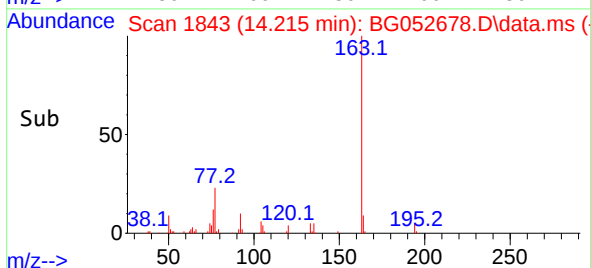
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

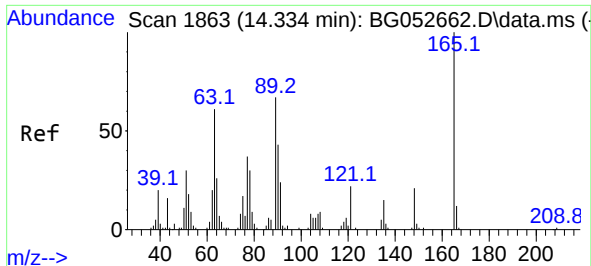


#50
Dimethylphthalate
Concen: 8.495 ng
RT: 14.215 min Scan# 1843
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



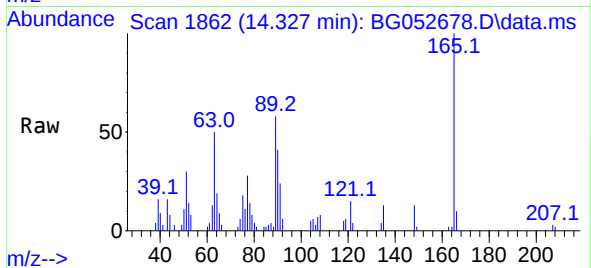
Tgt Ion:163 Resp: 65431
Ion Ratio Lower Upper
163 100
194 5.1 3.3 4.9#
164 9.4 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 9.407 ng
RT: 14.327 min Scan# 1862
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

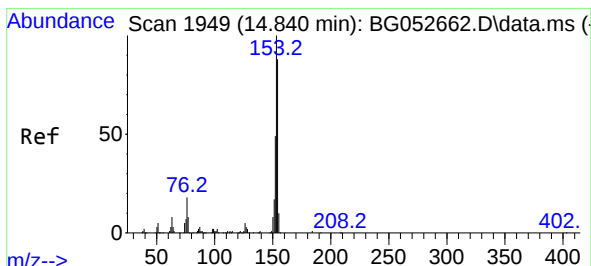
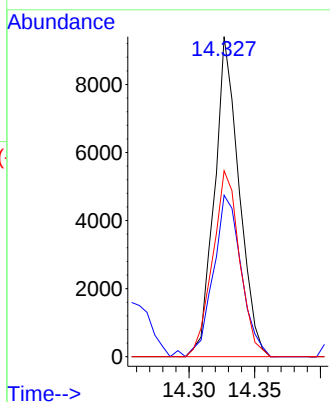
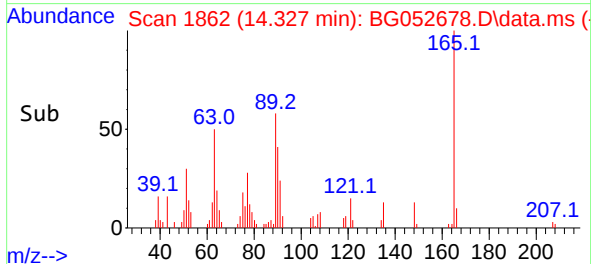
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 1223
Ion Ratio Lower Upper
165 100
63 50.4 43.7 65.5
89 58.1 45.0 67.4

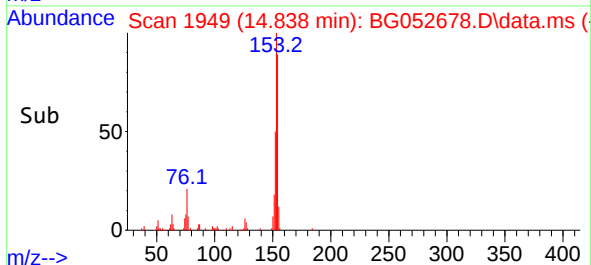
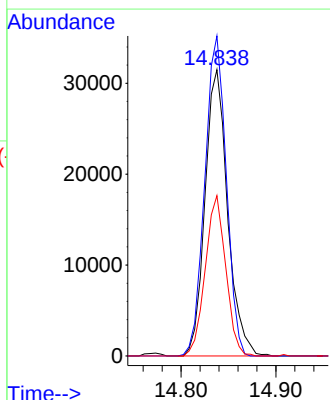
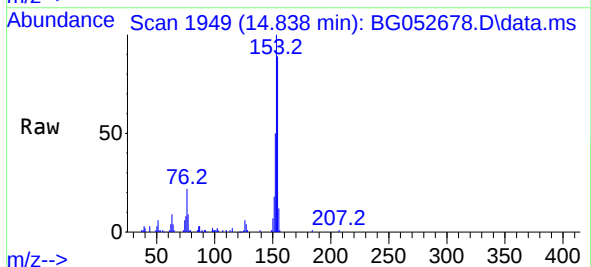
Manual Integrations
APPROVED

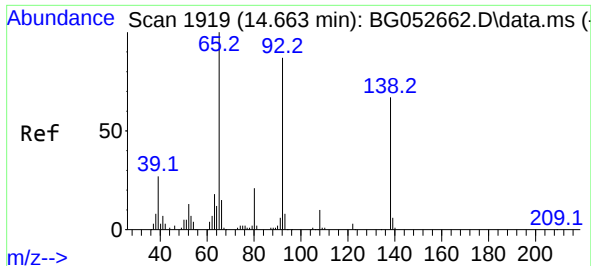
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#52
Acenaphthene
Concen: 8.964 ng
RT: 14.838 min Scan# 1949
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

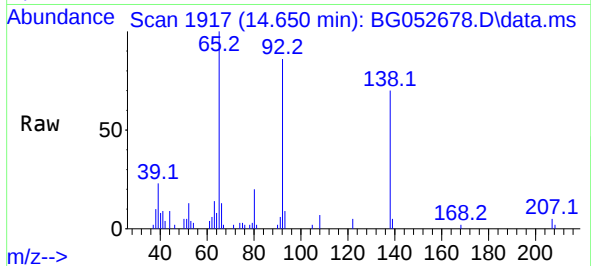
Tgt Ion:154 Resp: 52247
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 56.0 40.5 60.7





#53
3-Nitroaniline
Concen: 8.610 ng
RT: 14.650 min Scan# 1919
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

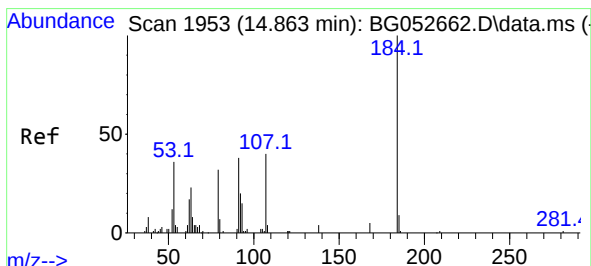
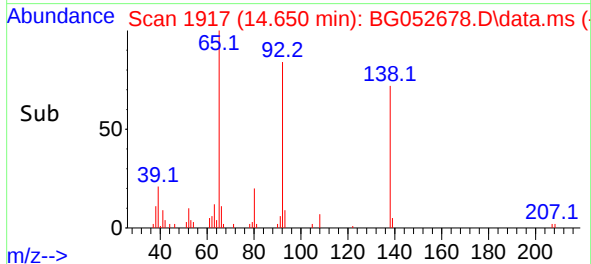
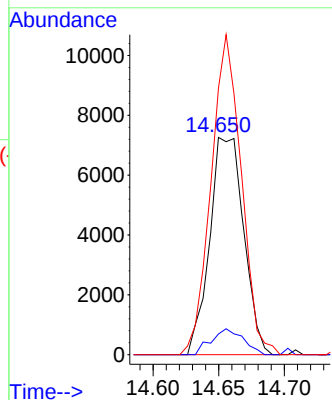
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:138 Resp: 1310
Ion Ratio Lower Upper
138 100
108 9.5 8.0 12.0
92 122.6 96.2 144.2

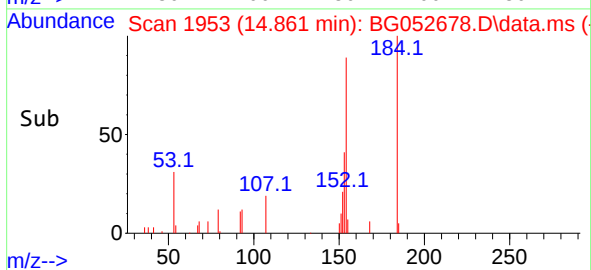
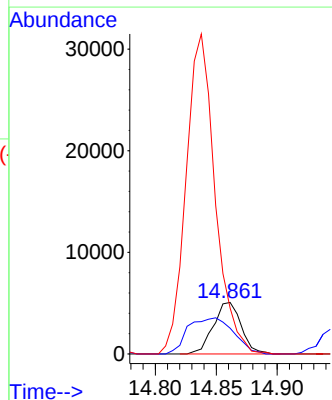
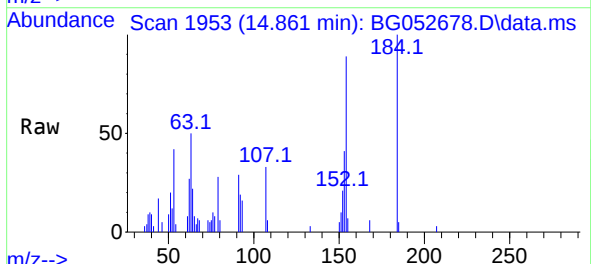
Manual Integrations
APPROVED

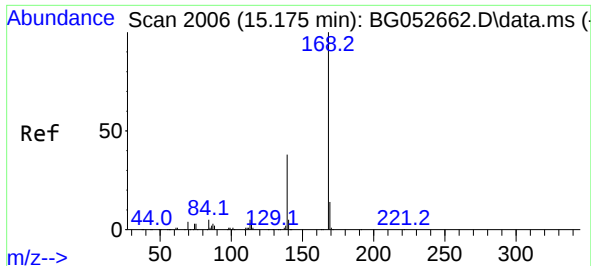
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#54
2,4-Dinitrophenol
Concen: 11.342 ng
RT: 14.861 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

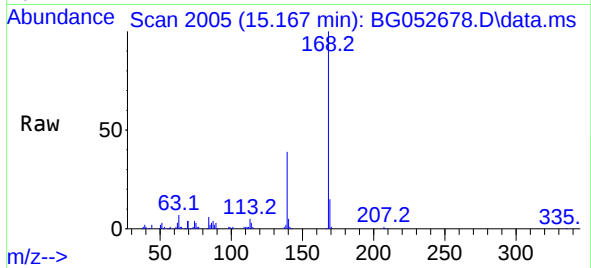
Tgt Ion:184 Resp: 8040
Ion Ratio Lower Upper
184 100
63 49.9 51.8 77.6#
154 89.1 47.8 71.6#





#55
Dibenzenofuran
Concen: 8.559 ng
RT: 15.167 min Scan# 2006
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

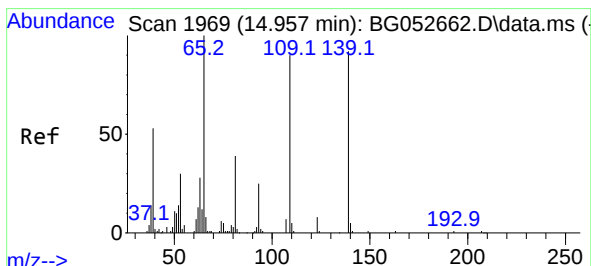
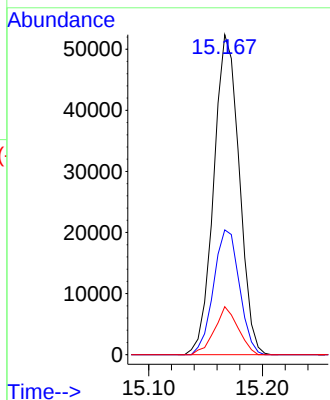
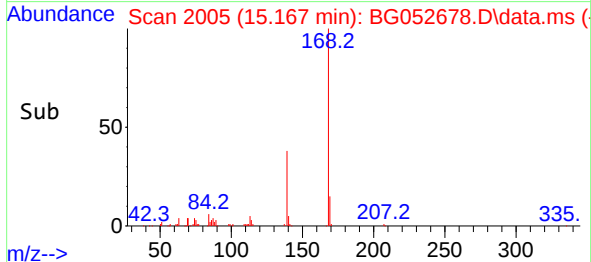
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 8147
Ion Ratio Lower Upper
168 100
139 39.0 30.2 45.4
169 15.0 10.7 16.1

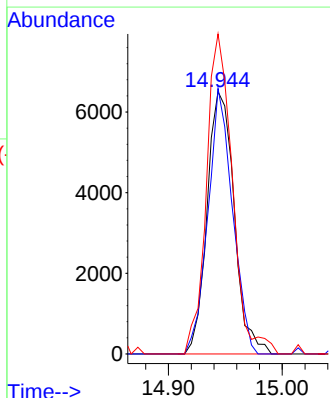
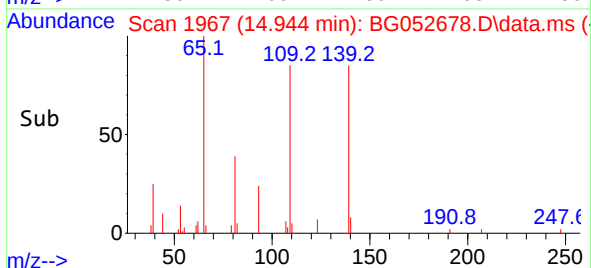
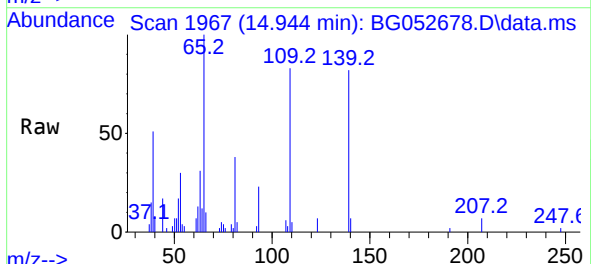
Manual Integrations
APPROVED

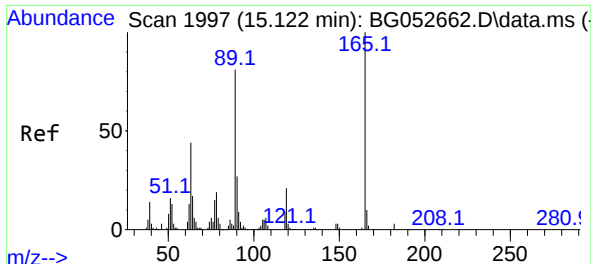
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#56
4-Nitrophenol
Concen: 8.654 ng
RT: 14.944 min Scan# 1967
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

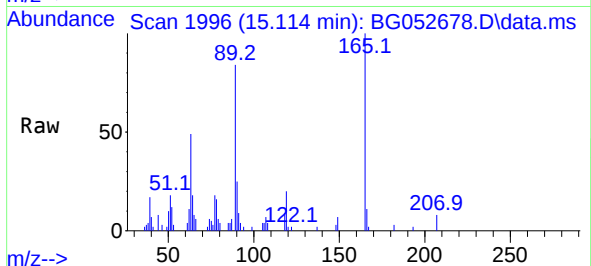
Tgt Ion:139 Resp: 10742
Ion Ratio Lower Upper
139 100
109 101.1 67.1 107.1
65 121.9 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 8.309 ng
RT: 15.114 min Scan# 1996
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

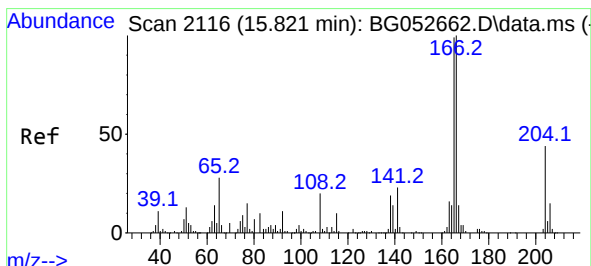
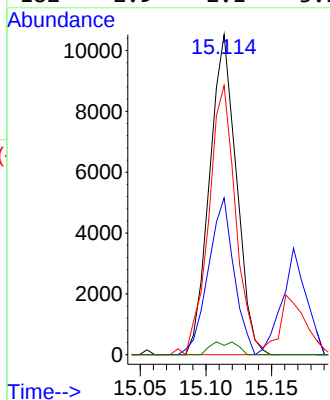
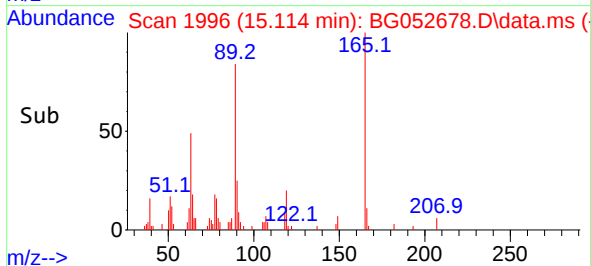
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



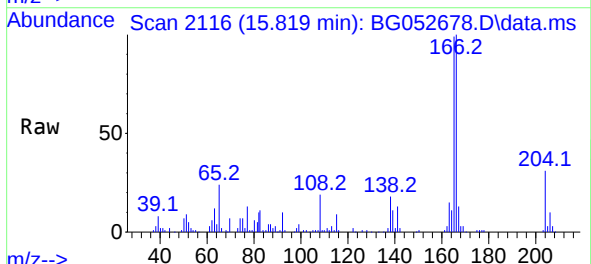
Tgt Ion:165 Resp: 14992
Ion Ratio Lower Upper
165 100
63 49.0 34.8 52.2
89 84.1 57.4 86.0
182 2.9 2.1 3.1

Manual Integrations
APPROVED

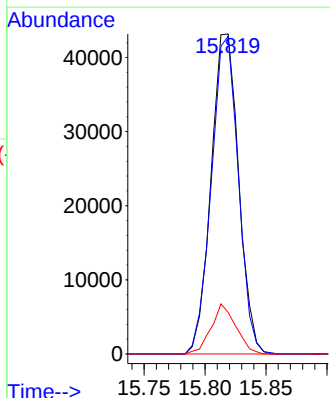
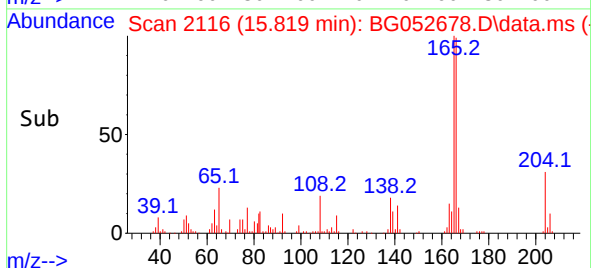
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

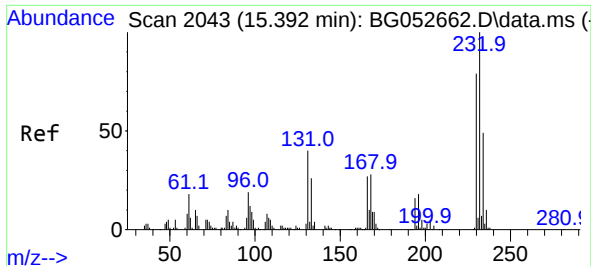


#58
Fluorene
Concen: 8.748 ng
RT: 15.819 min Scan# 2116
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



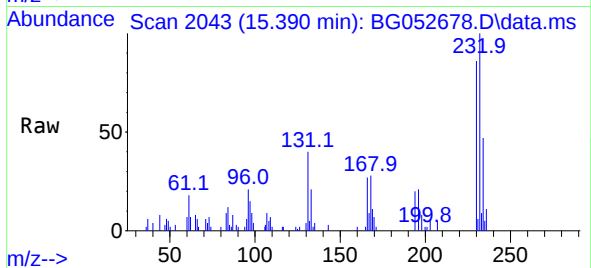
Tgt Ion:166 Resp: 67878
Ion Ratio Lower Upper
166 100
165 99.3 78.6 117.8
167 13.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.695 ng
RT: 15.390 min Scan# 2043
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

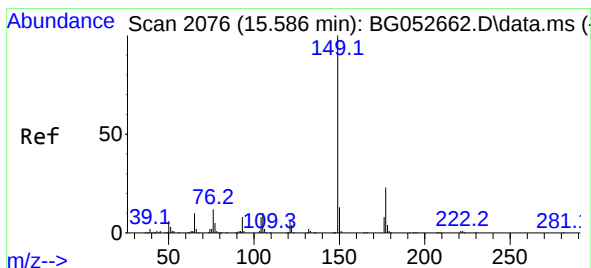
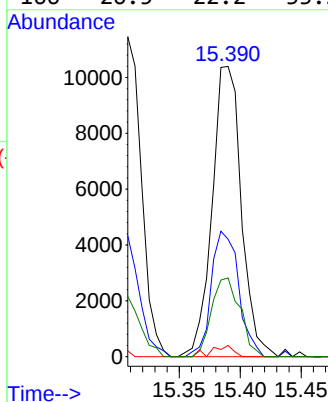
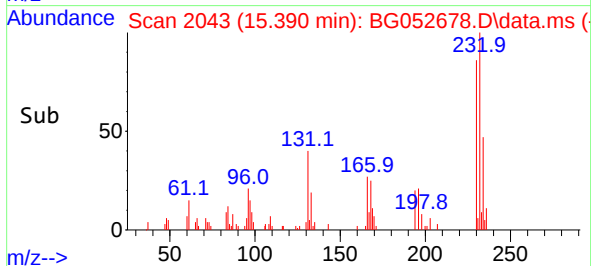
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



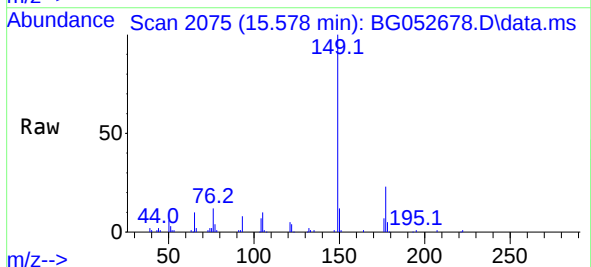
Tgt Ion:232 Resp: 17309
Ion Ratio Lower Upper
232 100
131 40.6 30.1 45.1
130 2.9 1.8 2.8
166 26.5 22.2 33.2

Manual Integrations
APPROVED

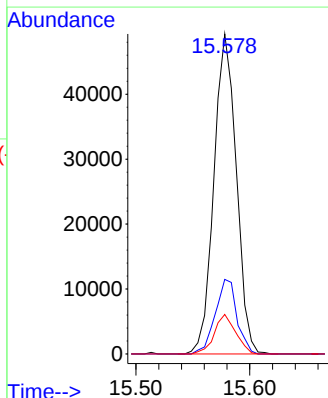
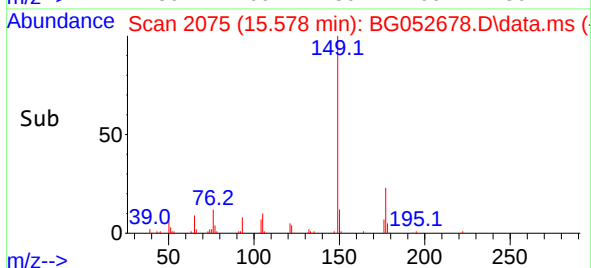
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

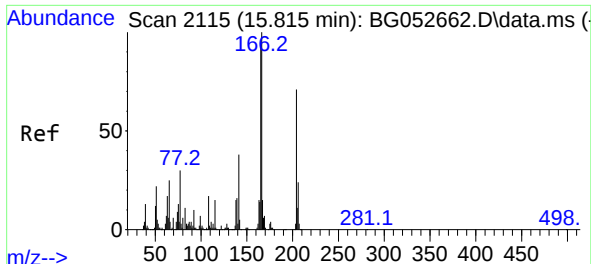


#60
Diethylphthalate
Concen: 8.300 ng
RT: 15.578 min Scan# 2075
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



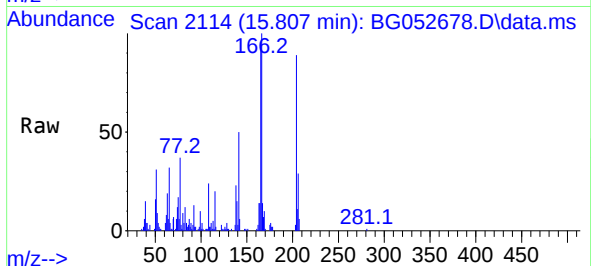
Tgt Ion:149 Resp: 67484
Ion Ratio Lower Upper
149 100
177 23.3 18.2 27.2
150 12.4 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.815 ng
RT: 15.807 min Scan# 2114
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

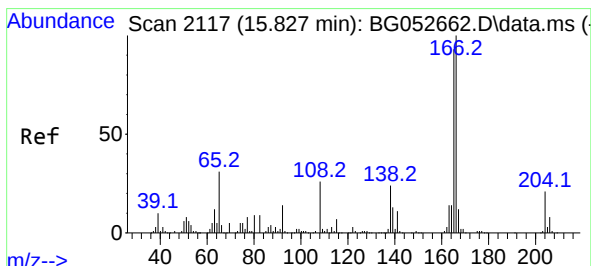
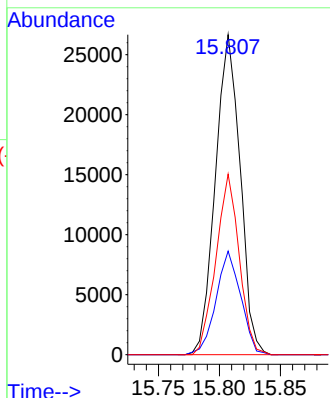
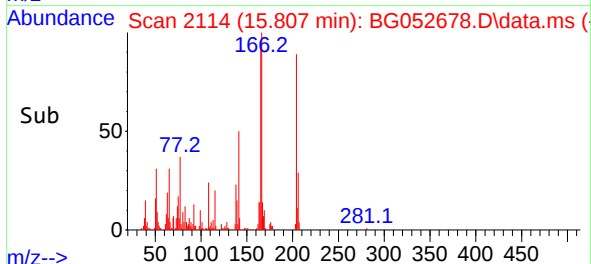
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



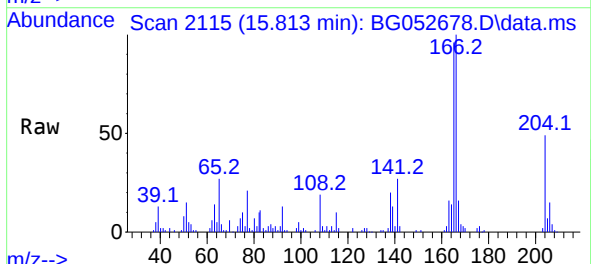
Tgt Ion:204 Resp: 3772
Ion Ratio Lower Upper
204 100
206 32.4 28.3 42.5
141 56.4 45.8 68.8

Manual Integrations
APPROVED

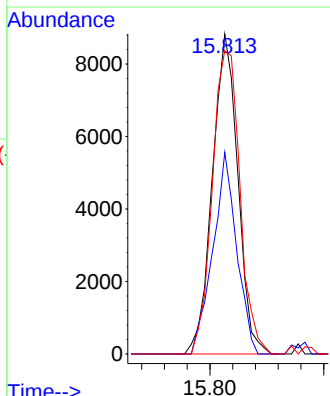
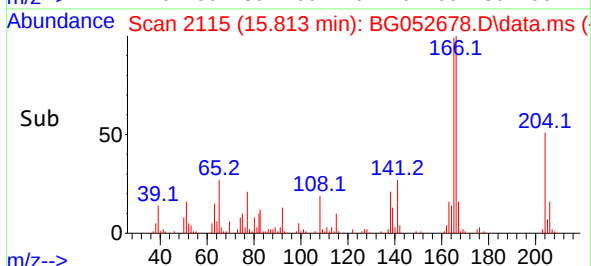
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

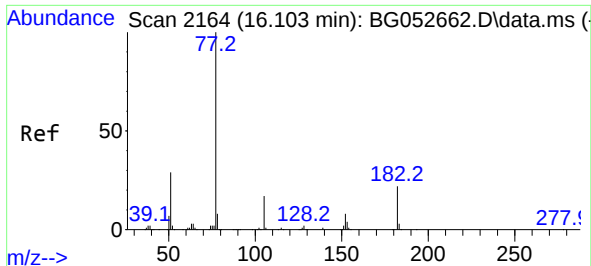


#62
4-Nitroaniline
Concen: 8.522 ng
RT: 15.813 min Scan# 2115
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



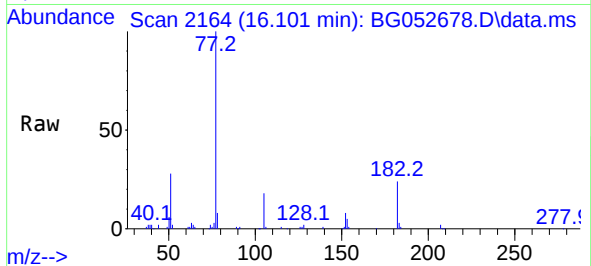
Tgt Ion:138 Resp: 13703
Ion Ratio Lower Upper
138 100
92 63.0 33.3 73.3
108 94.8 74.2 114.2





#63
Azobenzene
Concen: 8.388 ng
RT: 16.101 min Scan# 2164
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

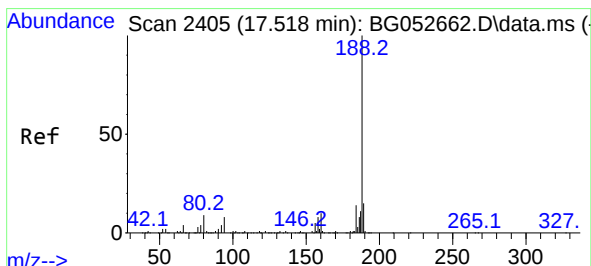
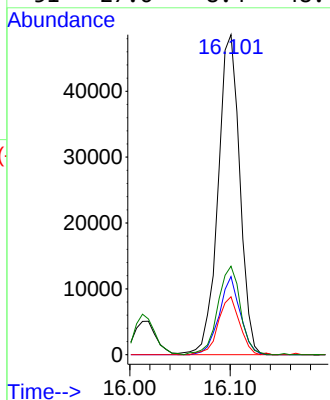
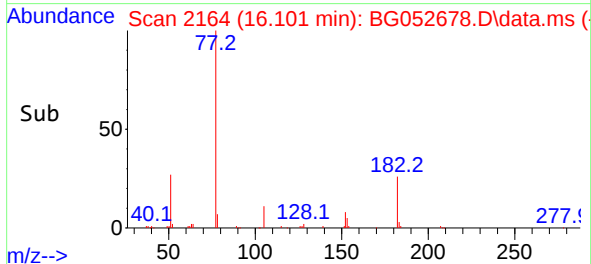
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 7289
Ion Ratio Lower Upper
77 100
182 24.4 5.6 45.6
105 18.1 0.0 38.8
51 27.6 8.4 48.4

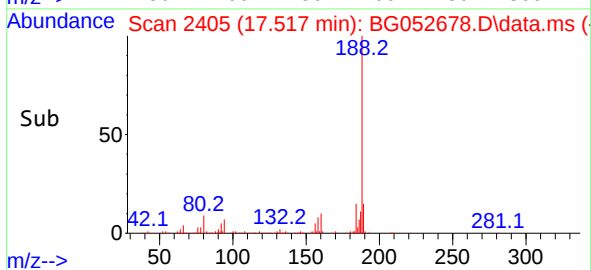
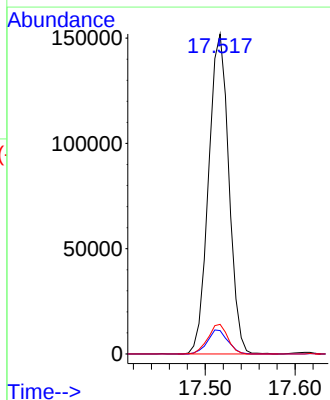
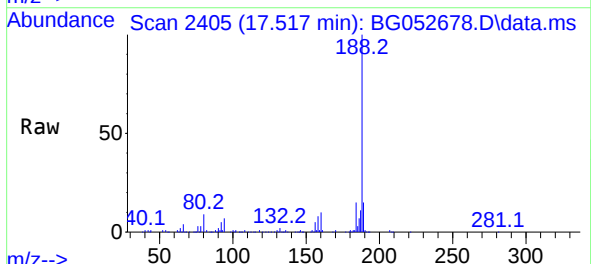
Manual Integrations
APPROVED

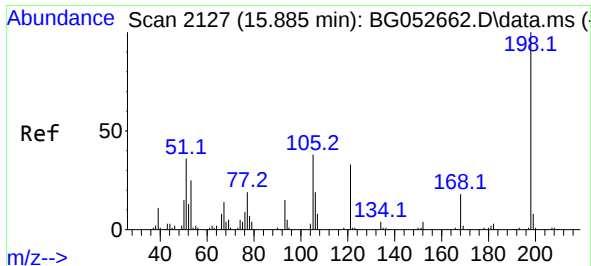
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.517 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Tgt Ion:188 Resp: 238100
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 9.2 7.2 10.8





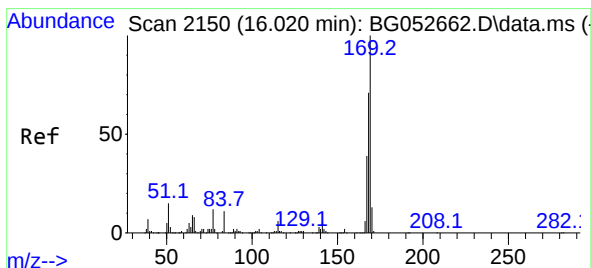
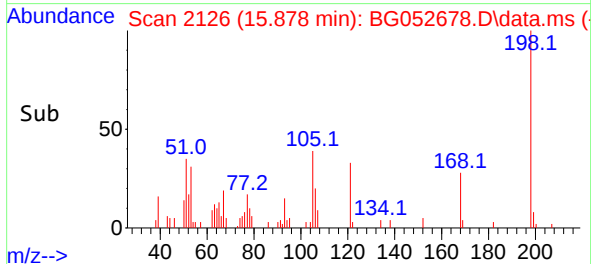
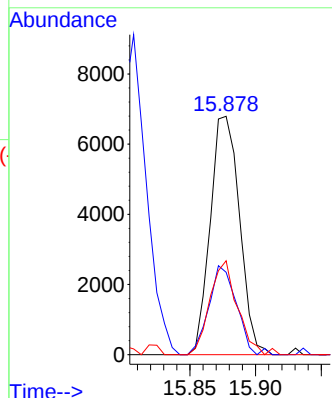
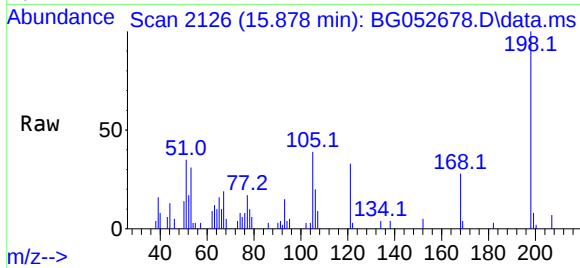
#65
4,6-Dinitro-2-methylphenol
Concen: 9.924 ng
RT: 15.878 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:198 Resp: 10534
Ion Ratio Lower Upper
198 100
51 34.6 21.7 61.7
105 39.4 20.8 60.8

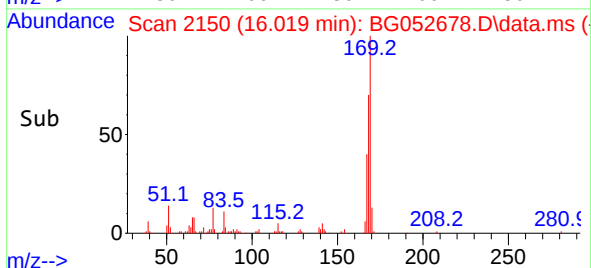
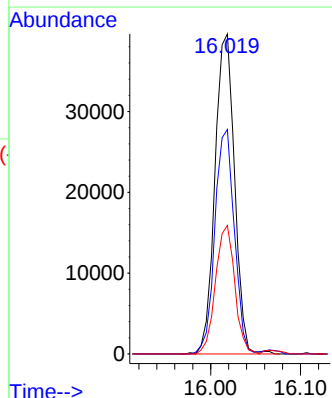
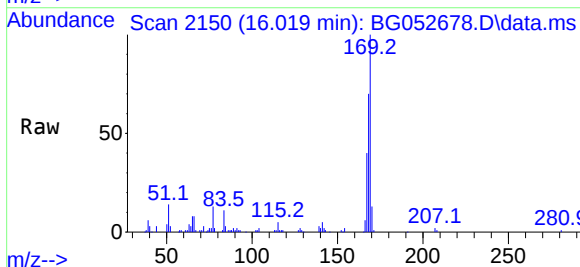
Manual Integrations
APPROVED

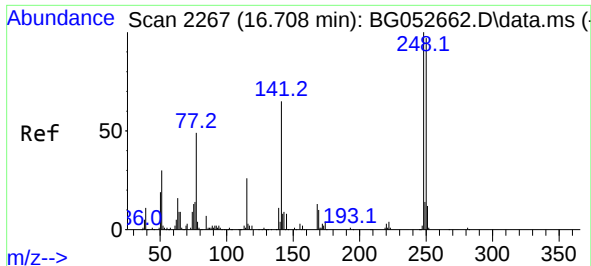
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 8.941 ng
RT: 16.019 min Scan# 2150
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

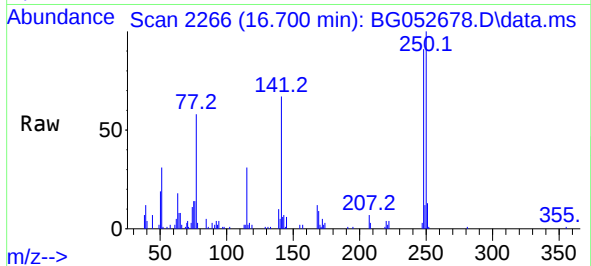
Tgt Ion:169 Resp: 59936
Ion Ratio Lower Upper
169 100
168 70.1 54.5 81.7
167 40.2 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 7.909 ng
RT: 16.700 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

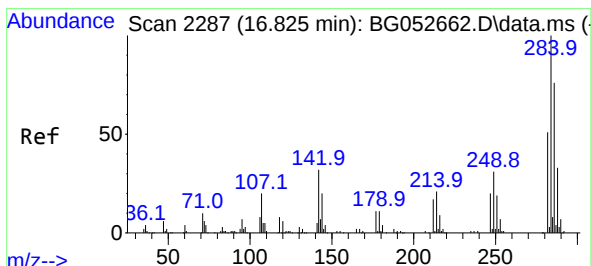
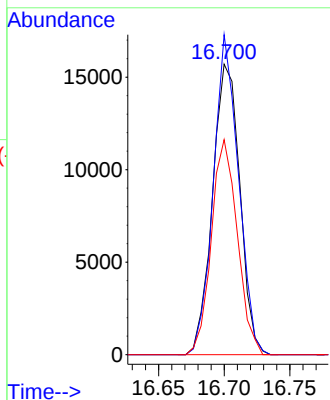
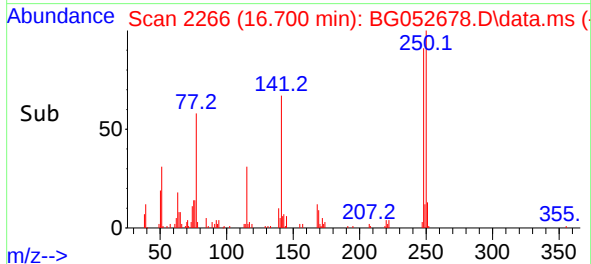
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



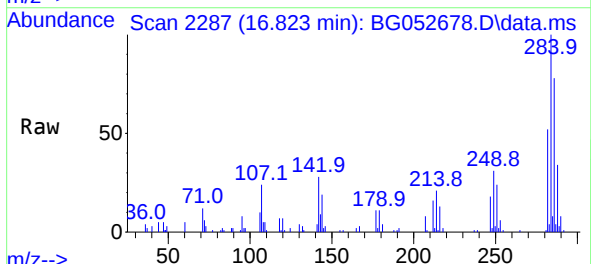
Tgt Ion:248 Resp: 22704
Ion Ratio Lower Upper
248 100
250 110.1 77.9 116.9
141 74.0 49.2 73.8

Manual Integrations
APPROVED

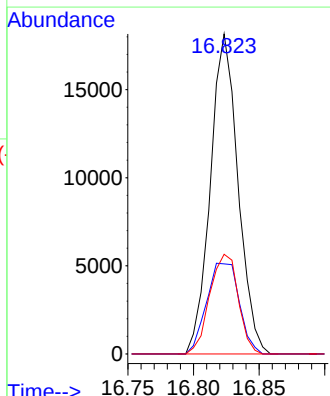
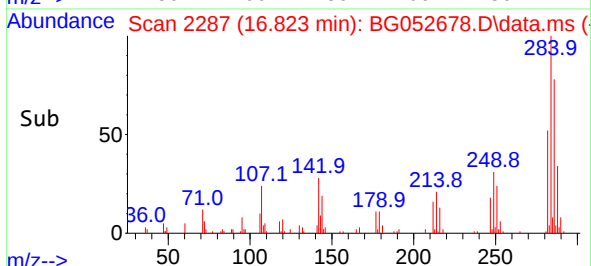
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

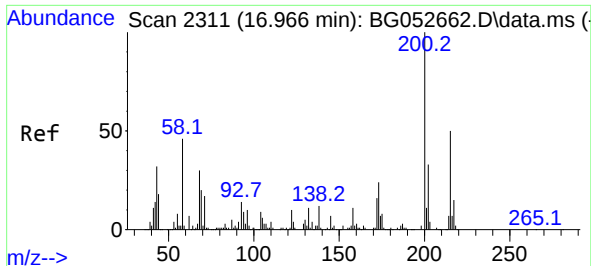


#68
Hexachlorobenzene
Concen: 8.626 ng
RT: 16.823 min Scan# 2287
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



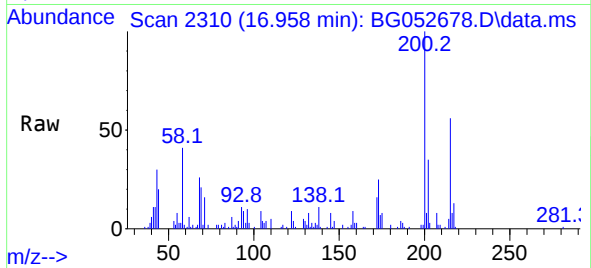
Tgt Ion:284 Resp: 26615
Ion Ratio Lower Upper
284 100
142 28.2 21.0 31.4
249 31.2 22.7 34.1





#69
Atrazine
Concen: 9.330 ng
RT: 16.958 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

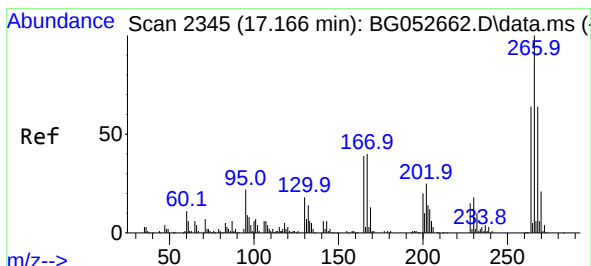
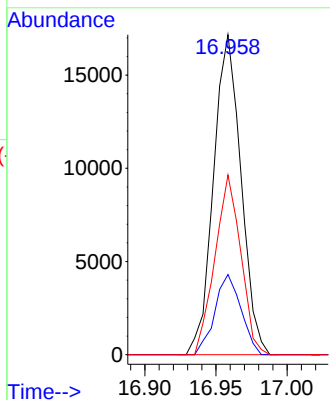
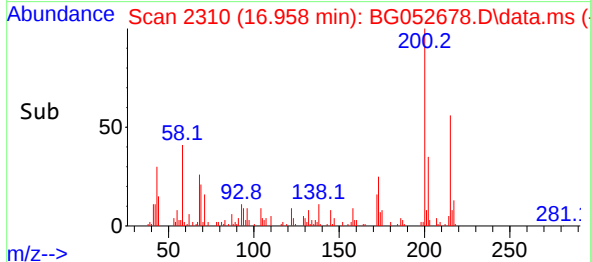
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



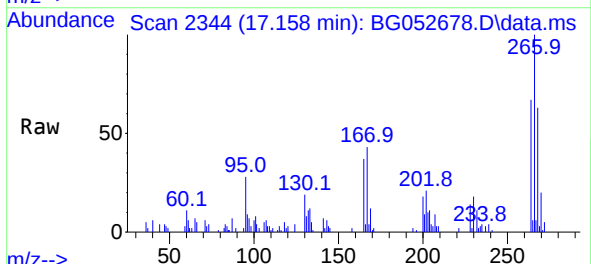
Tgt Ion:200 Resp: 23062
Ion Ratio Lower Upper
200 100
173 25.0 3.8 43.8
215 56.2 26.3 66.3

Manual Integrations
APPROVED

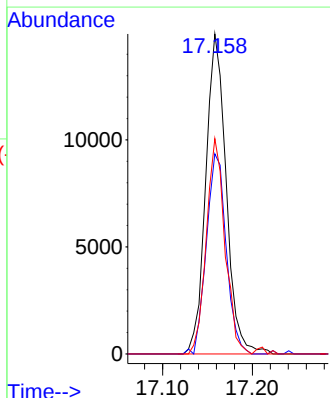
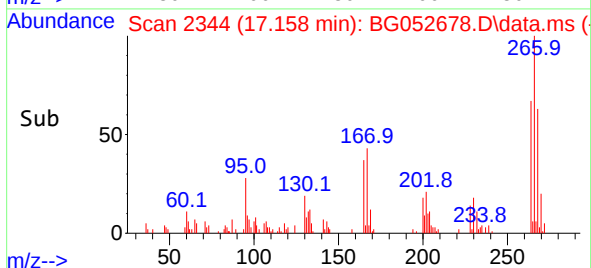
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

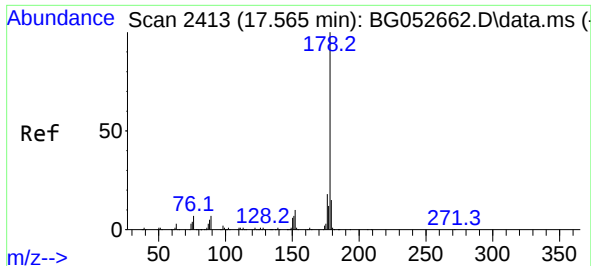


#70
Pentachlorophenol
Concen: 12.331 ng
RT: 17.158 min Scan# 2344
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



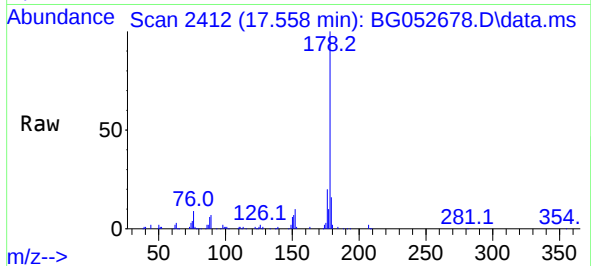
Tgt Ion:266 Resp: 23604
Ion Ratio Lower Upper
266 100
268 62.6 45.9 68.9
264 67.3 45.3 67.9





#71
Phenanthrene
Concen: 9.113 ng
RT: 17.558 min Scan# 2413
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

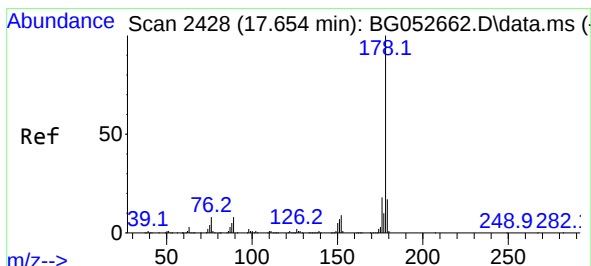
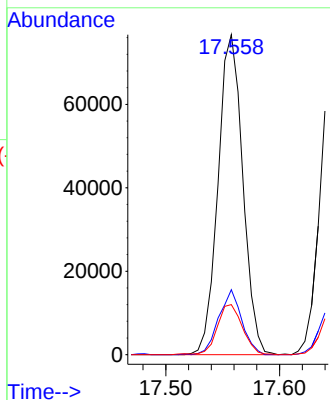
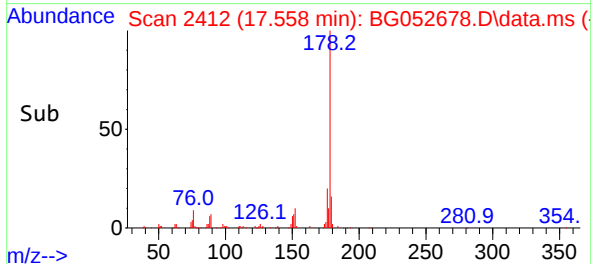
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



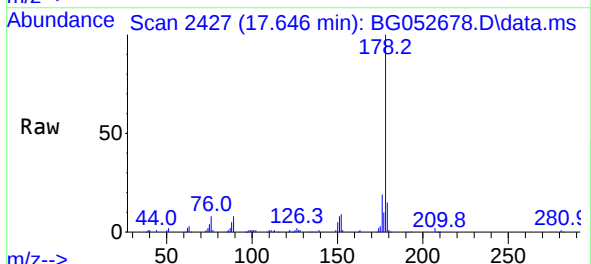
Tgt Ion:178 Resp: 116078
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.7 13.4 20.2

Manual Integrations
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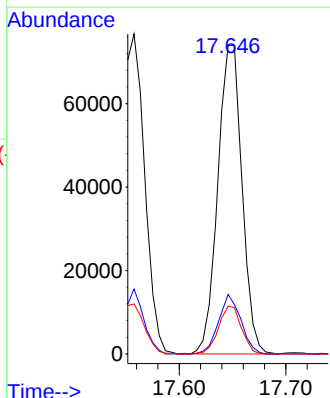
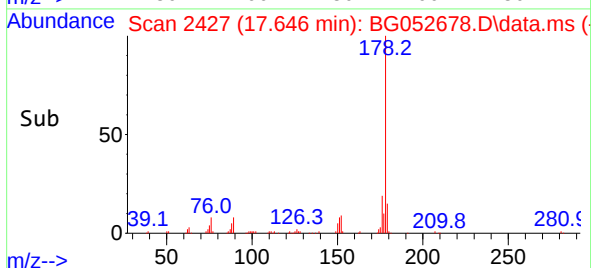
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

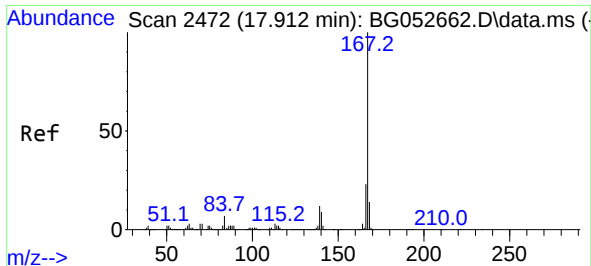


#72
Anthracene
Concen: 9.279 ng
RT: 17.646 min Scan# 2427
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



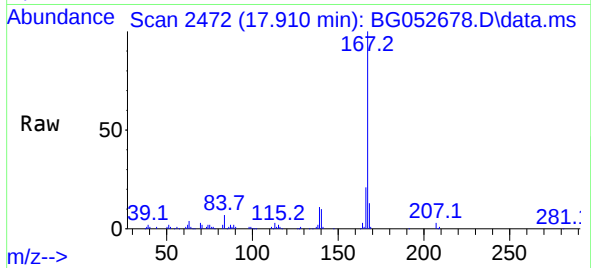
Tgt Ion:178 Resp: 116841
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.5 13.2 19.8





#73
 Carbazole
 Concen: 8.698 ng
 RT: 17.910 min Scan# 2472
 Delta R.T. -0.002 min
 Lab File: BG052678.D
 Acq: 16 Mar 2022 14:58

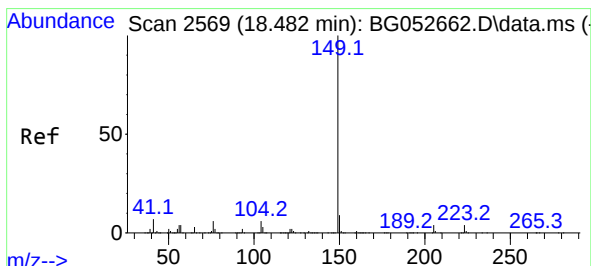
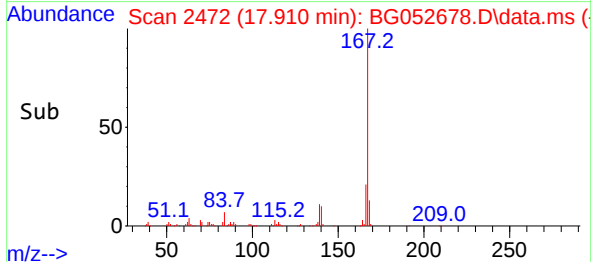
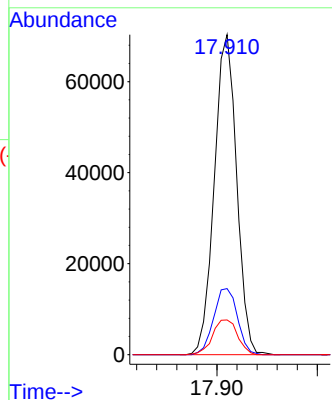
Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion:167 Resp: 108475
 Ion Ratio Lower Upper
 167 100
 166 20.7 18.5 27.7
 139 10.9 10.0 15.0

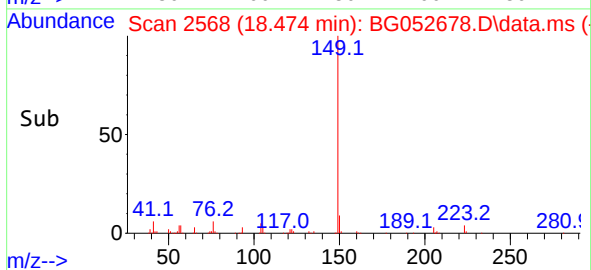
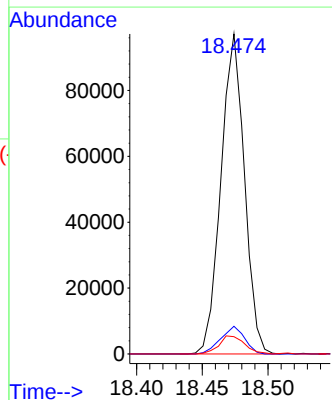
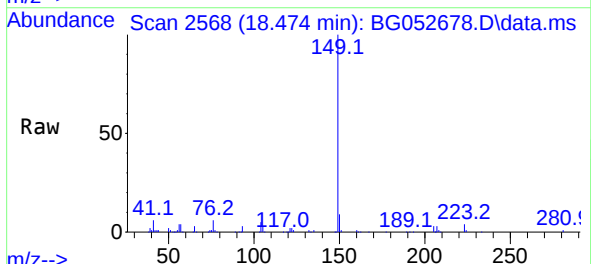
Manual Integrations
 APPROVED

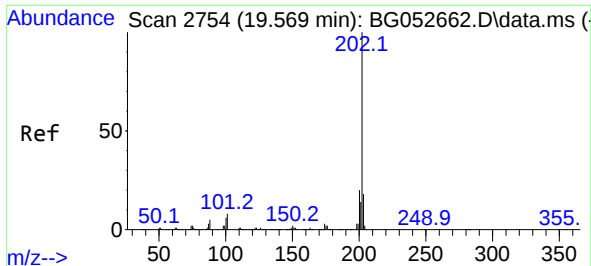
Reviewed By :Christian
 Giraldo
 03/17/2022
 Supervised By :Jagrut
 Upadhyay
 03/17/2022



#74
 Di-n-butylphthalate
 Concen: 8.857 ng
 RT: 18.474 min Scan# 2568
 Delta R.T. -0.008 min
 Lab File: BG052678.D
 Acq: 16 Mar 2022 14:58

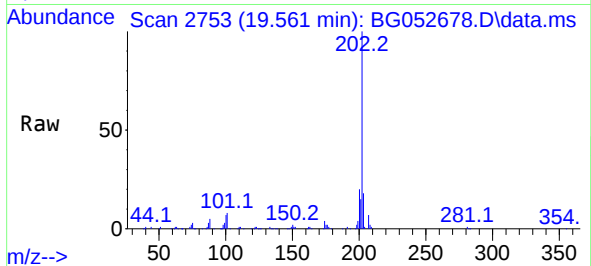
Tgt Ion:149 Resp: 120666
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.0 10.6
 104 5.4 4.6 7.0





#75
Fluoranthene
Concen: 9.382 ng
RT: 19.561 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

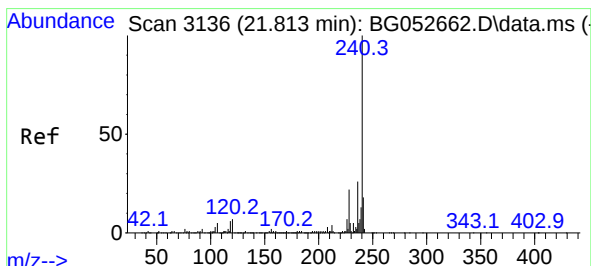
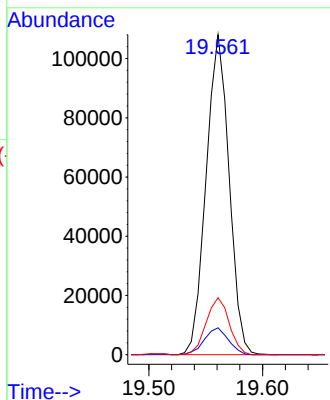
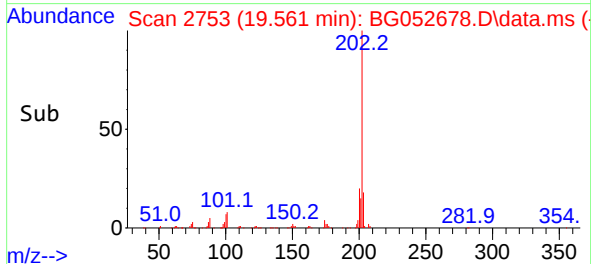
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



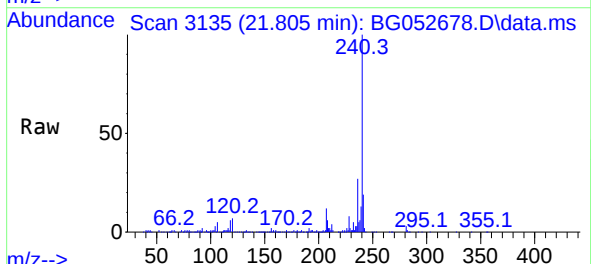
Tgt Ion:202 Resp: 151700
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.3
203 17.8 0.0 37.7

Manual Integrations
APPROVED

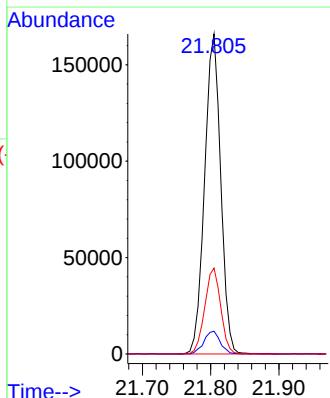
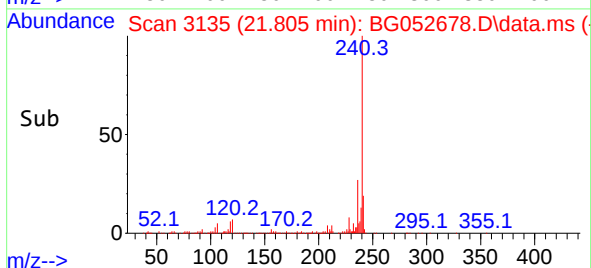
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

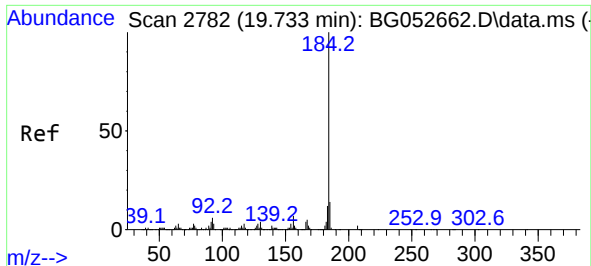


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.805 min Scan# 3135
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



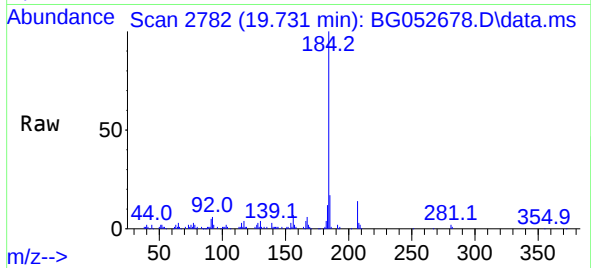
Tgt Ion:240 Resp: 272421
Ion Ratio Lower Upper
240 100
120 7.1 5.4 8.0
236 26.9 19.8 29.6





#77
Benzidine
Concen: 11.162 ng
RT: 19.731 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

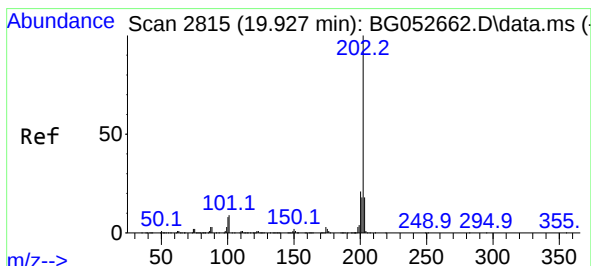
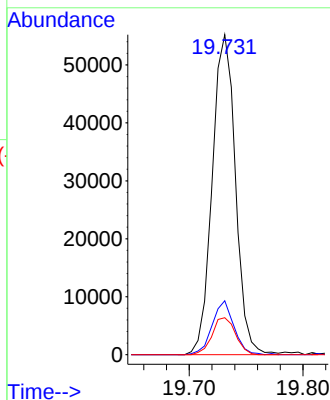
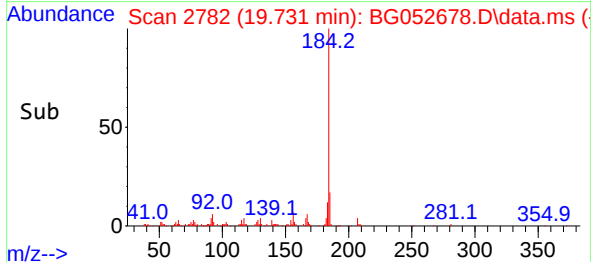
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



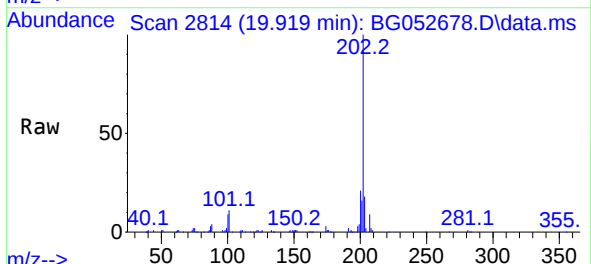
Tgt Ion:184 Resp: 7842
Ion Ratio Lower Upper
184 100
185 16.9 11.5 17.3
183 11.5 9.4 14.2

Manual Integrations
APPROVED

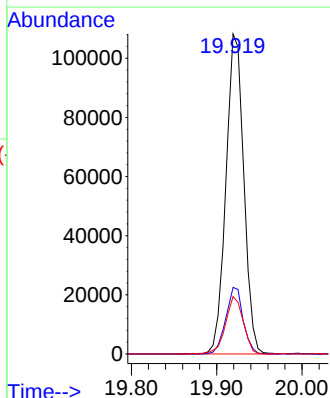
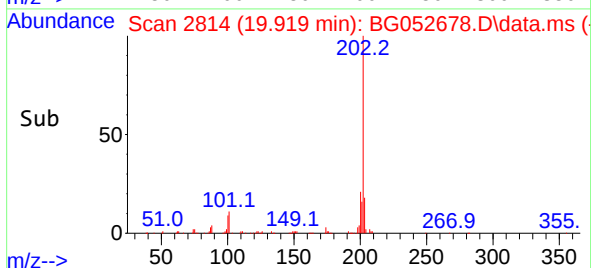
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

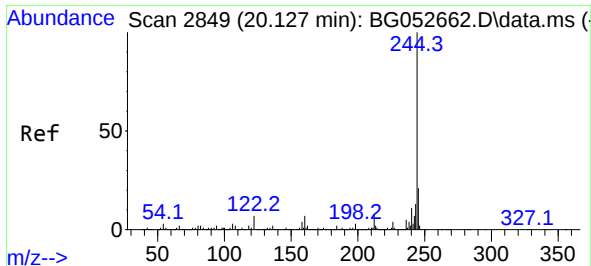


#78
Pyrene
Concen: 8.347 ng
RT: 19.919 min Scan# 2814
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



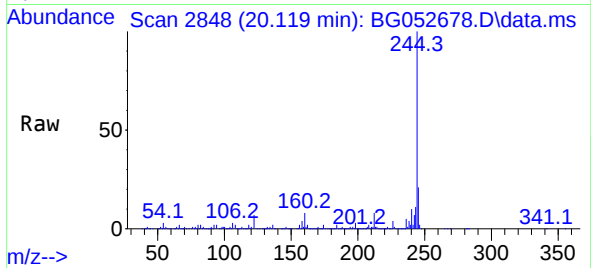
Tgt Ion:202 Resp: 157739
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.9 15.0 22.6





#79
 Terphenyl-d14
 Concen: 67.782 ng
 RT: 20.119 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG052678.D
 Acq: 16 Mar 2022 14:58

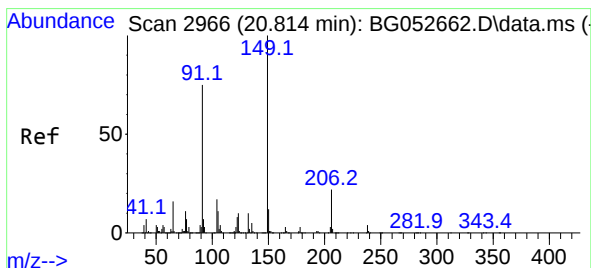
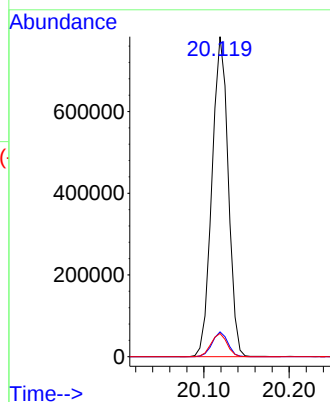
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



Tgt Ion:244 Resp: 103805
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 7.3 5.8 8.6

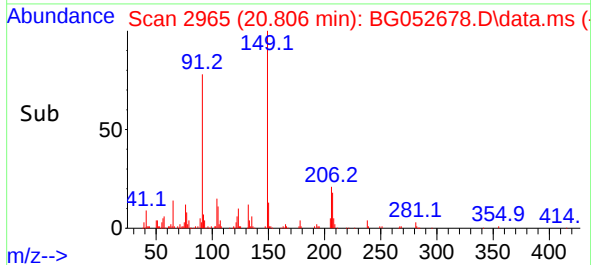
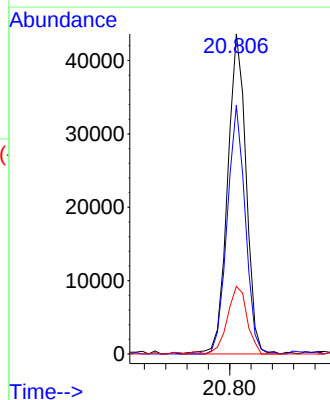
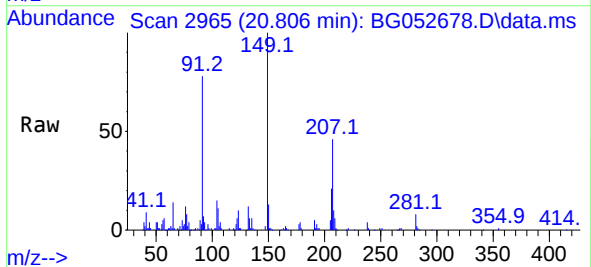
Manual Integrations
 APPROVED

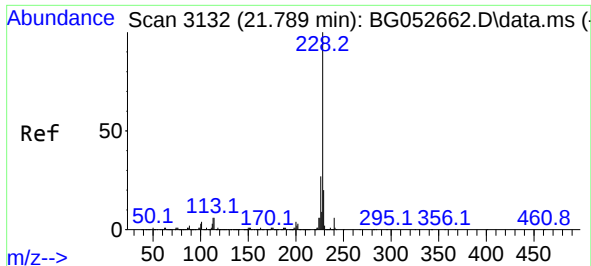
Reviewed By :Christian
 Giraldo
 03/17/2022
 Supervised By :Jagrut
 Upadhyay
 03/17/2022



#80
 Butylbenzylphthalate
 Concen: 7.853 ng
 RT: 20.806 min Scan# 2965
 Delta R.T. -0.008 min
 Lab File: BG052678.D
 Acq: 16 Mar 2022 14:58

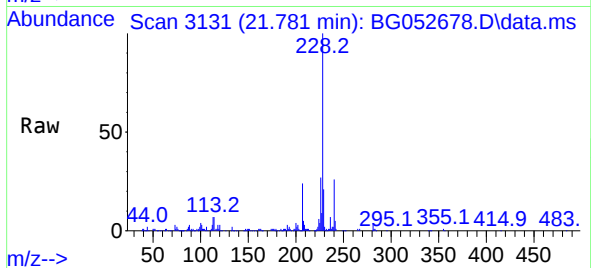
Tgt Ion:149 Resp: 52643
 Ion Ratio Lower Upper
 149 100
 91 77.7 60.2 90.4
 206 21.1 19.4 29.2





#81
Benzo(a)anthracene
Concen: 8.848 ng
RT: 21.781 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

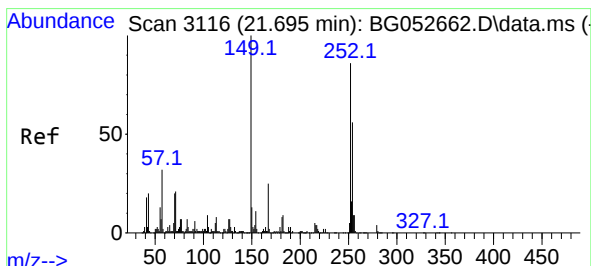
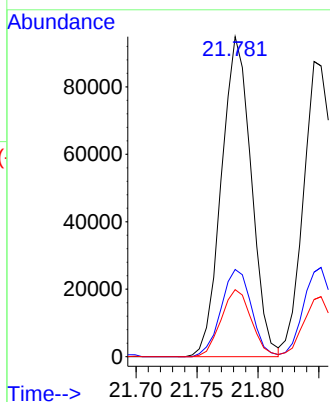
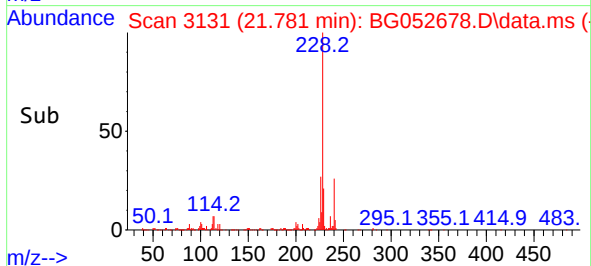
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 16140
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.0
229 21.0 16.7 25.1

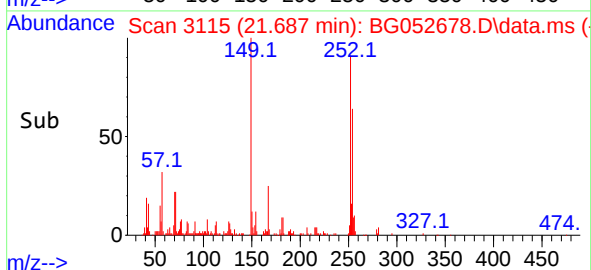
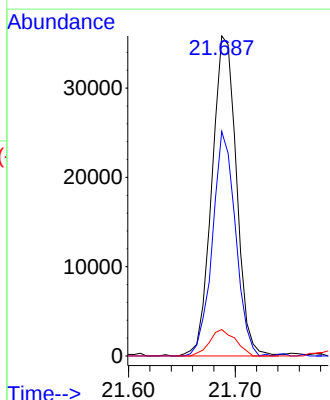
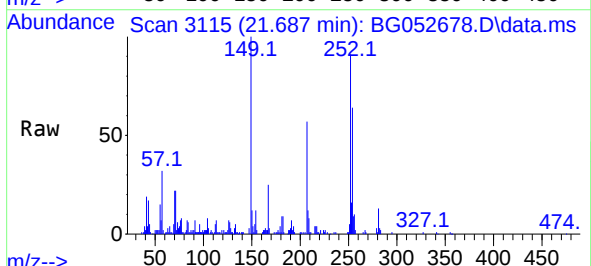
Manual Integrations
APPROVED

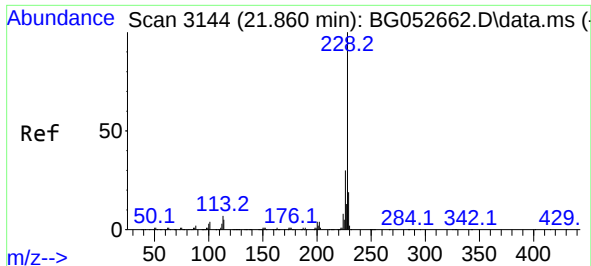
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 8.873 ng
RT: 21.687 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

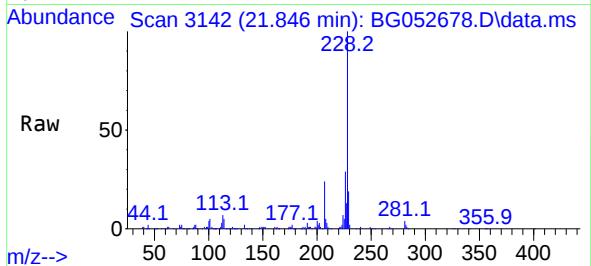
Tgt Ion:252 Resp: 57155
Ion Ratio Lower Upper
252 100
254 70.1 51.2 76.8
126 8.3 5.8 8.8





#83
Chrysene
Concen: 8.764 ng
RT: 21.846 min Scan# 3144
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

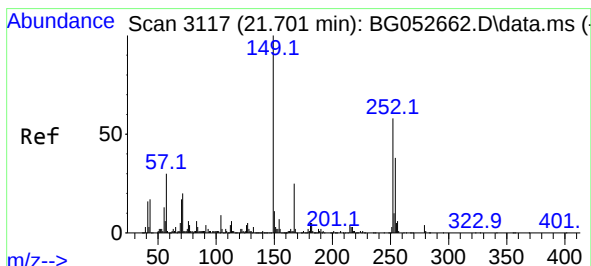
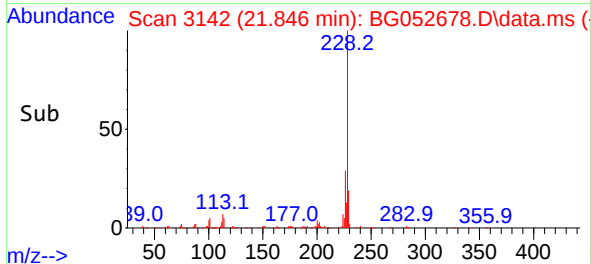
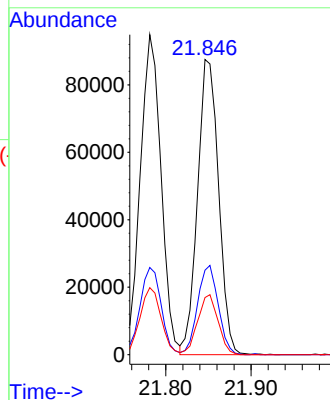
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 15029
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 19.3 16.3 24.5

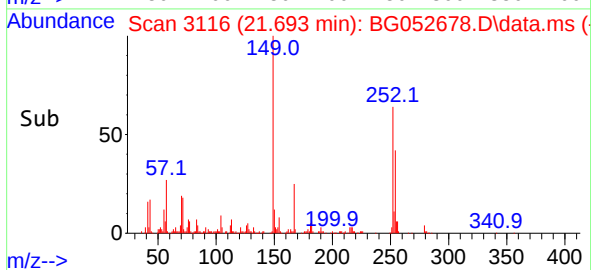
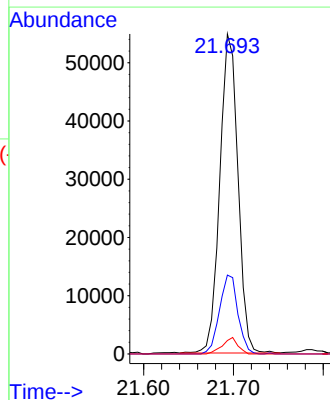
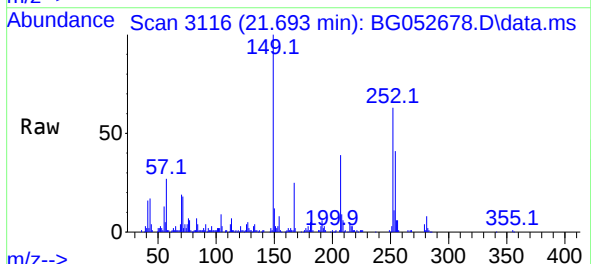
Manual Integrations
APPROVED

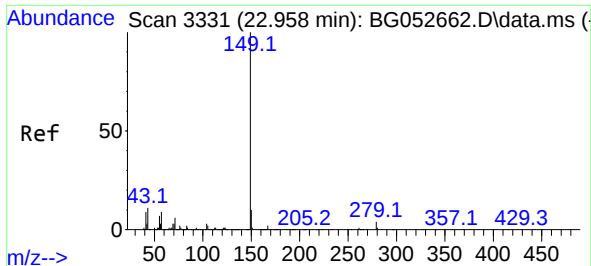
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.418 ng
RT: 21.693 min Scan# 3116
Delta R.T. -0.008 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

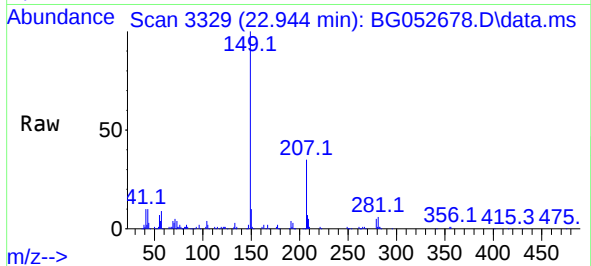
Tgt Ion:149 Resp: 76741
Ion Ratio Lower Upper
149 100
167 24.7 21.4 32.2
279 4.2 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 8.180 ng
RT: 22.944 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

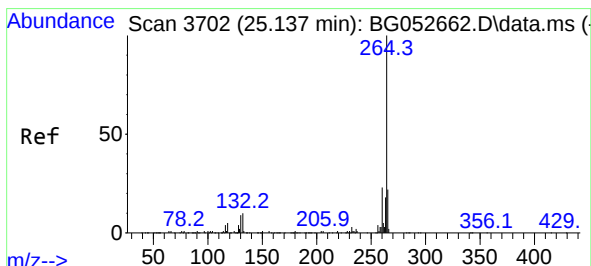
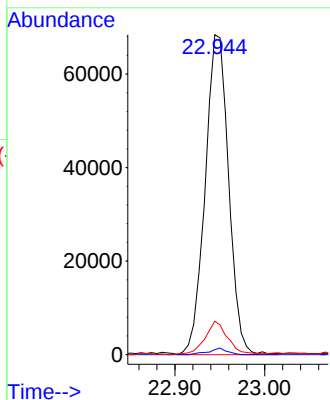
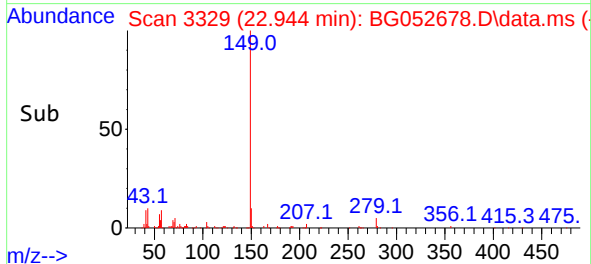
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



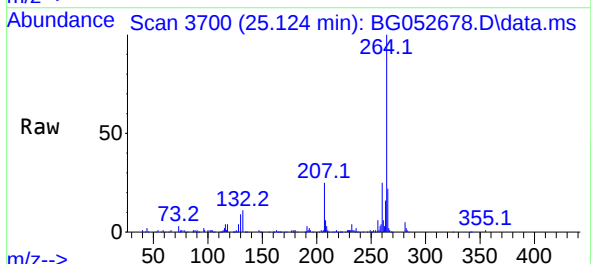
Tgt Ion:149 Resp: 12414
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.2 7.6 11.4

Manual Integrations
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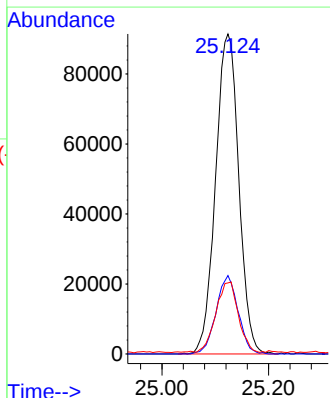
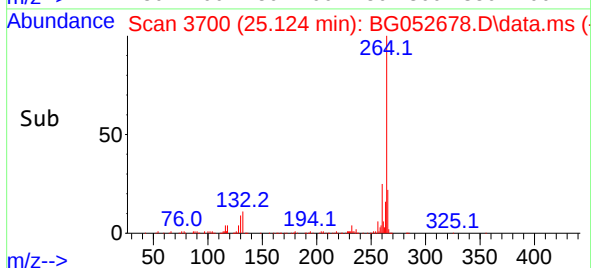
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022

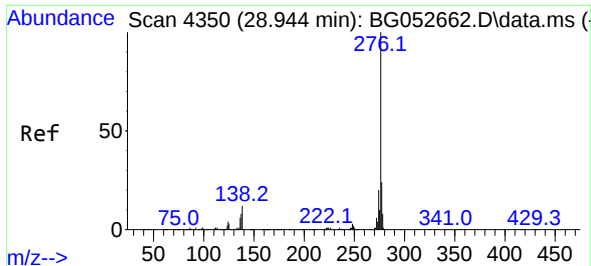


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.124 min Scan# 3700
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58



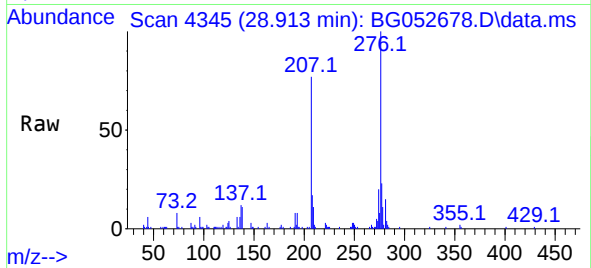
Tgt Ion:264 Resp: 276087
Ion Ratio Lower Upper
264 100
260 24.5 18.2 27.2
265 22.2 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.580 ng
RT: 28.913 min Scan# 413
Delta R.T. -0.031 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

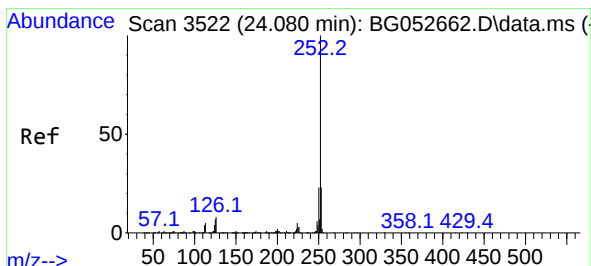
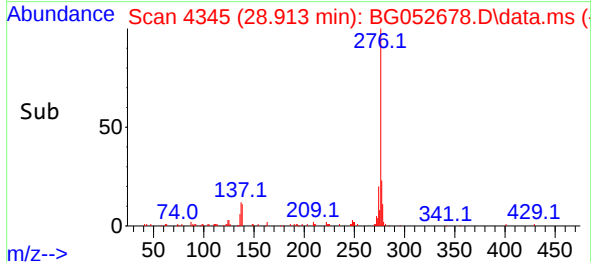
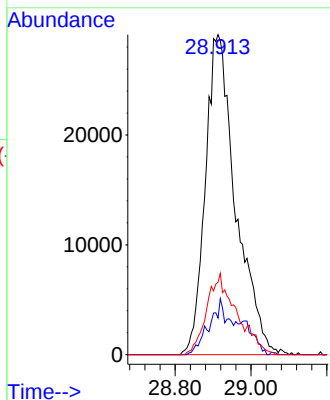
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:276 Resp: 16213
Ion Ratio Lower Upper
276 100
138 11.1 8.7 13.1
277 21.9 20.2 30.4

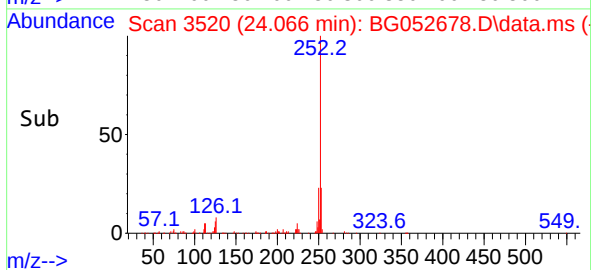
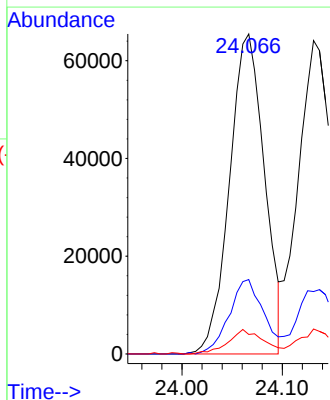
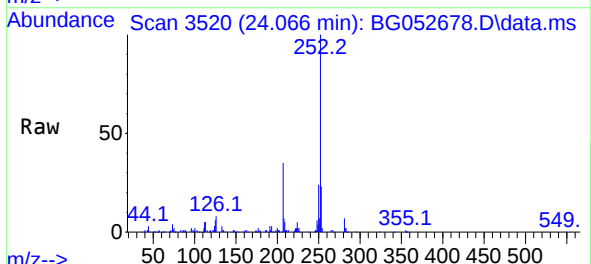
Manual Integrations
APPROVED

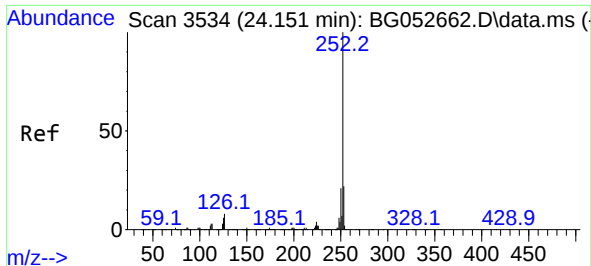
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#88
Benzo(b)fluoranthene
Concen: 9.237 ng
RT: 24.066 min Scan# 3520
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

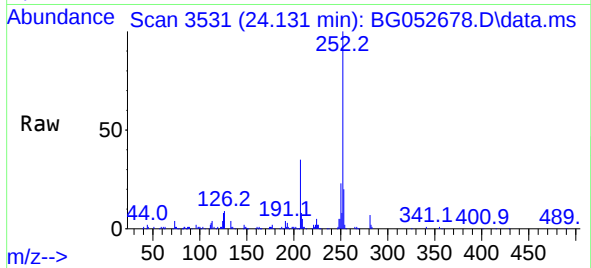
Tgt Ion:252 Resp: 158336
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 6.1 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 9.375 ng m
RT: 24.131 min Scan# 3534
Delta R.T. -0.020 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

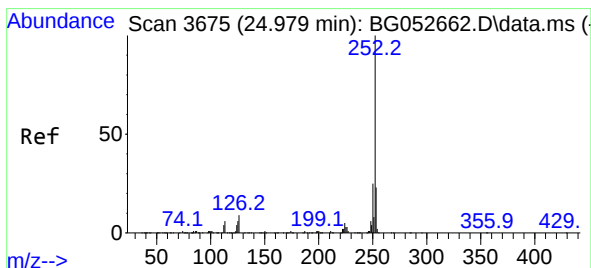
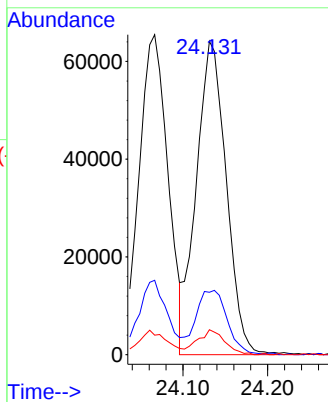
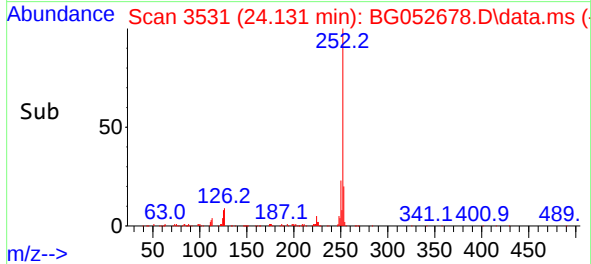
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:252 Resp: 158110
Ion Ratio Lower Upper
252 100
253 19.9 17.4 26.0
125 8.0 5.0 7.4

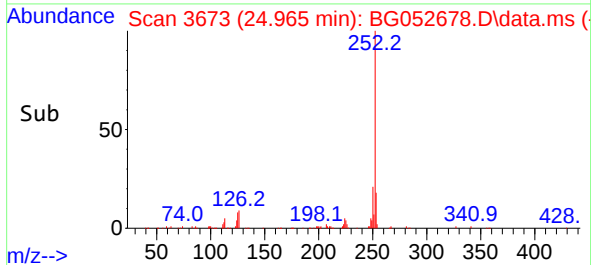
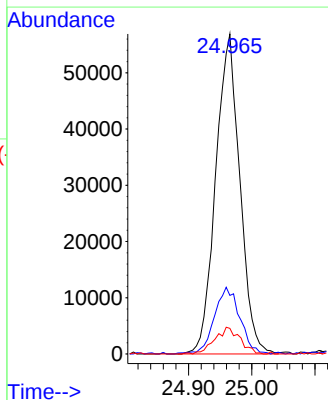
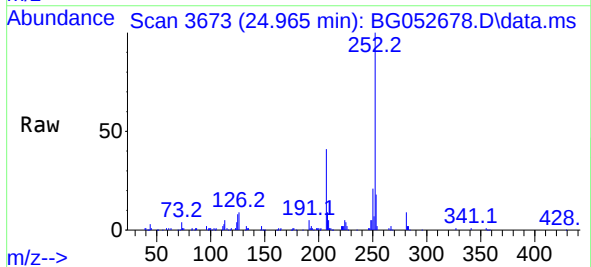
Manual Integrations
APPROVED

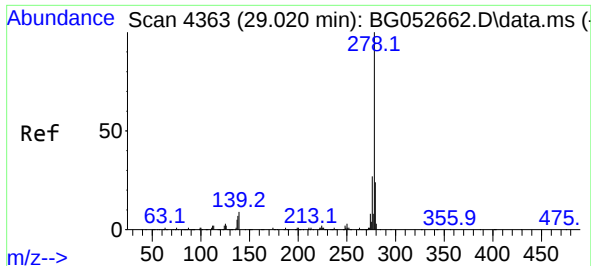
Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#90
Benzo(a)pyrene
Concen: 10.409 ng
RT: 24.965 min Scan# 3673
Delta R.T. -0.014 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

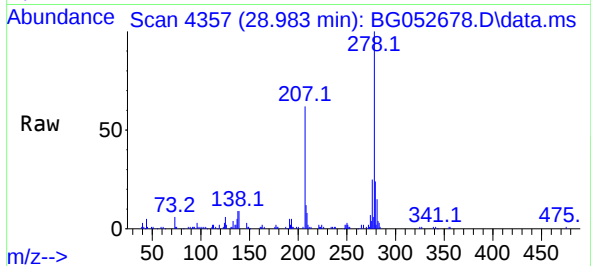
Tgt Ion:252 Resp: 151036
Ion Ratio Lower Upper
252 100
253 18.3 18.4 27.6
125 8.0 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 9.250 ng
RT: 28.983 min Scan# 41
Delta R.T. -0.037 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

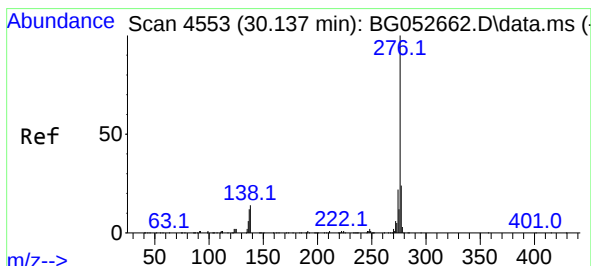
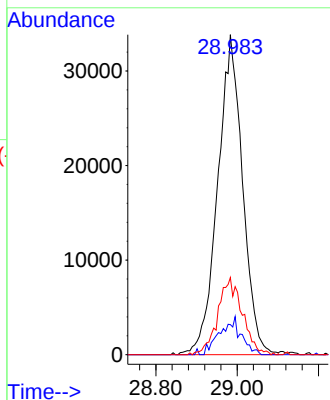
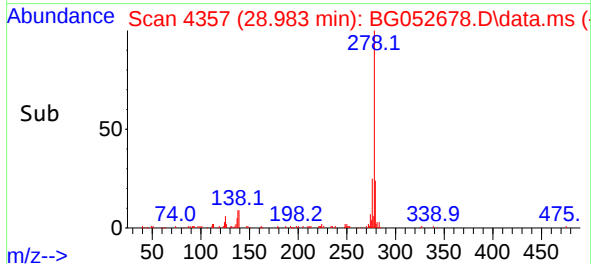
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:278 Resp: 14403
Ion Ratio Lower Upper
278 100
139 9.4 7.8 11.6
279 24.1 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
03/17/2022
Supervised By :Jagrut
Upadhyay
03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 9.141 ng
RT: 30.099 min Scan# 4547
Delta R.T. -0.037 min
Lab File: BG052678.D
Acq: 16 Mar 2022 14:58

Tgt Ion:276 Resp: 140841
Ion Ratio Lower Upper
276 100
277 23.9 18.2 27.2
138 13.5 9.1 13.7

