

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056472.D
 Acq On : 30 Jan 2023 16:22
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 31 03:02:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.278	152	34528	20.000	ng	0.00
21) Naphthalene-d8	11.110	136	128693	20.000	ng	0.00
39) Acenaphthene-d10	14.900	164	103808	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	263616	20.000	ng	0.00
76) Chrysene-d12	21.927	240	257613	20.000	ng	0.00
86) Perylene-d12	25.347	264	281043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	200362	106.749	ng	0.00
7) Phenol-d6	7.421	99	283061	101.783	ng	0.00
23) Nitrobenzene-d5	9.453	82	164869	72.747	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	147702	107.025	ng	0.00
45) 2-Fluorobiphenyl	13.525	172	559417	74.714	ng	0.00
79) Terphenyl-d14	20.211	244	1047719	71.432	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.596	88	7964	10.190	ng	98
3) Pyridine	4.025	79	20096	8.626	ng	# 95
4) n-Nitrosodimethylamine	3.936	42	4168	8.413	ng	# 97
6) Aniline	7.591	93	31473	8.644	ng	# 92
8) 2-Chlorophenol	7.838	128	18198	8.826	ng	96
9) Benzaldehyde	7.403	77	15675	9.705	ng	94
10) Phenol	7.444	94	24768	8.763	ng	99
11) bis(2-Chloroethyl)ether	7.679	93	18155	9.345	ng	95
12) 1,3-Dichlorobenzene	8.167	146	22933	9.660	ng	91
13) 1,4-Dichlorobenzene	8.314	146	24905	10.359	ng	99
14) 1,2-Dichlorobenzene	8.637	146	22222	9.527	ng	94
15) Benzyl Alcohol	8.513	79	15533	8.141	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.807	45	4029	9.787	ng	82
17) 2-Methylphenol	8.713	107	17781	8.269	ng	92
18) Hexachloroethane	9.377	117	7035	9.674	ng	96
19) n-Nitroso-di-n-propyla...	9.077	70	14077	8.783	ng	# 92
20) 3+4-Methylphenols	9.042	107	24187	8.026	ng	97
22) Acetophenone	9.101	105	33342	9.751	ng	# 98
24) Nitrobenzene	9.495	77	20919	9.569	ng	# 96
25) Isophorone	10.012	82	41999	8.983	ng	# 95
26) 2-Nitrophenol	10.211	139	11594	8.741	ng	92
27) 2,4-Dimethylphenol	10.258	122	18129	8.167	ng	97
28) bis(2-Chloroethoxy)met...	10.493	93	24152	9.351	ng	91
29) 2,4-Dichlorophenol	10.752	162	22553	9.026	ng	98
30) 1,2,4-Trichlorobenzene	10.969	180	27294	9.830	ng	97
31) Naphthalene	11.163	128	62608	9.217	ng	98
32) Benzoic acid	10.370	122	10995m	8.854	ng	
33) 4-Chloroaniline	11.263	127	27700	8.736	ng	# 91
34) Hexachlorobutadiene	11.434	225	19778	10.148	ng	99
35) Caprolactam	12.009	113	7570	8.983	ng	96
36) 4-Chloro-3-methylphenol	12.362	107	21616	8.958	ng	92
37) 2-Methylnaphthalene	12.744	142	49208	8.787	ng	98
38) 1-Methylnaphthalene	12.961	142	47334	9.051	ng	96
40) 1,2,4,5-Tetrachloroben...	13.108	216	37627	9.922	ng	99
41) Hexachlorocyclopentadiene	13.085	237	11106	11.456	ng	98
43) 2,4,6-Trichlorophenol	13.343	196	22560	9.231	ng	97

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Quant Time: Jan 31 03:02:27 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

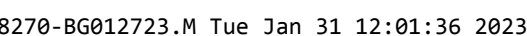
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

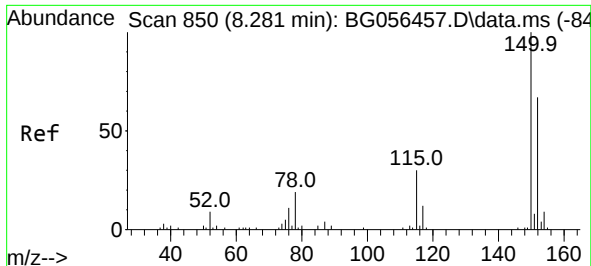
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.419	196	23501	8.213	ng	# 98
46) 1,1'-Biphenyl	13.737	154	72650	9.649	ng	98
47) 2-Chloronaphthalene	13.784	162	56577	9.613	ng	96
48) 2-Nitroaniline	13.983	65	11112	9.133	ng	91
49) Acenaphthylene	14.624	152	89555	9.353	ng	98
50) Dimethylphthalate	14.330	163	77474	9.225	ng	99
51) 2,6-Dinitrotoluene	14.459	165	16825	9.187	ng	99
52) Acenaphthene	14.959	154	52390	9.227	ng	98
53) 3-Nitroaniline	14.794	138	15682	8.832	ng	# 94
54) 2,4-Dinitrophenol	15.012	184	9884	8.608	ng	# 85
55) Dibenzofuran	15.294	168	96619	9.488	ng	96
56) 4-Nitrophenol	15.100	139	9760m	8.045	ng	
57) 2,4-Dinitrotoluene	15.253	165	23350	9.051	ng	# 95
58) Fluorene	15.940	166	76503	9.441	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.517	232	21716	8.536	ng	# 98
60) Diethylphthalate	15.681	149	72308	9.169	ng	100
61) 4-Chlorophenyl-phenyle...	15.922	204	45573	9.217	ng	96
62) 4-Nitroaniline	15.952	138	16086	9.054	ng	95
63) Azobenzene	16.210	77	51226	9.440	ng	98
65) 4,6-Dinitro-2-methylph...	16.016	198	18453	9.957	ng	94
66) n-Nitrosodiphenylamine	16.134	169	69721	9.341	ng	99
67) 4-Bromophenyl-phenylether	16.815	248	31169	9.236	ng	96
68) Hexachlorobenzene	16.945	284	32185	9.737	ng	98
69) Atrazine	17.062	200	30164	10.476	ng	98
70) Pentachlorophenol	17.291	266	21348m	10.674	ng	
71) Phenanthrene	17.679	178	128594	9.320	ng	98
72) Anthracene	17.767	178	133044	9.394	ng	98
73) Carbazole	18.038	167	116087	9.624	ng	97
74) Di-n-butylphthalate	18.560	149	115324	9.105	ng	99
75) Fluoranthene	19.671	202	165629	9.511	ng	99
77) Benzidine	19.835	184	90287	12.951	ng	99
78) Pyrene	20.029	202	168170	9.179	ng	99
80) Butylbenzylphthalate	20.887	149	48391	8.648	ng	97
81) Benzo(a)anthracene	21.904	228	167215	9.285	ng	98
82) 3,3'-Dichlorobenzidine	21.804	252	67833	10.459	ng	99
83) Chrysene	21.974	228	157552	9.311	ng	97
84) Bis(2-ethylhexyl)phtha...	21.763	149	70661	8.808	ng	100
85) Di-n-octyl phthalate	23.038	149	118797	8.892	ng	100
87) Indeno(1,2,3-cd)pyrene	29.277	276	185657	9.024	ng	# 94
88) Benzo(b)fluoranthene	24.248	252	170773	9.790	ng	98
89) Benzo(k)fluoranthene	24.318	252	171749	9.752	ng	99
90) Benzo(a)pyrene	25.176	252	153487	8.932	ng	97
91) Dibenzo(a,h)anthracene	29.342	278	164925	9.551	ng	99
92) Benzo(g,h,i)perylene	30.505	276	158761	9.528	ng	96

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

Manual Integrations APPROVED

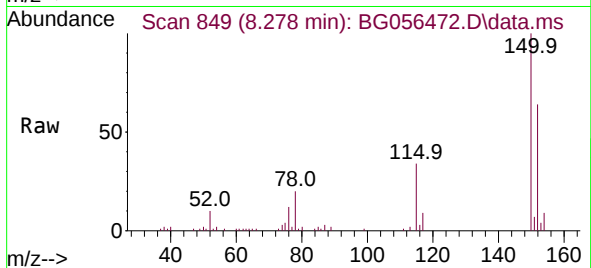
Quant Time: Jan 31 03:02:27 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

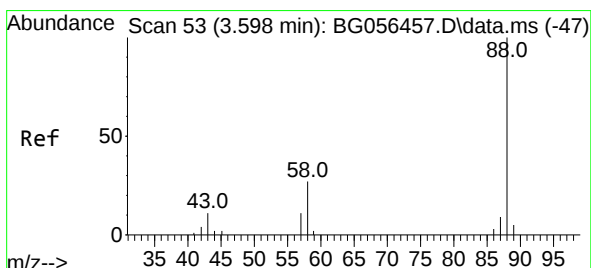
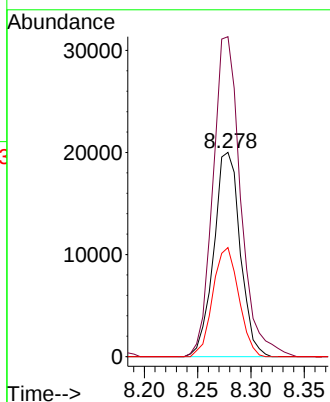
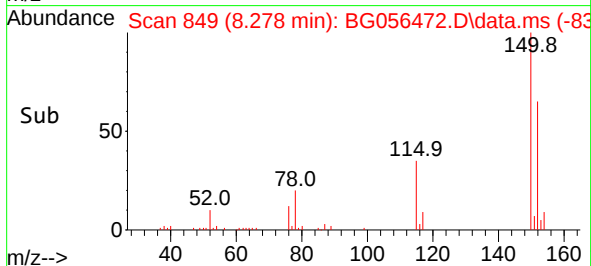
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:152 Resp: 34528
Ion Ratio Lower Upper
152 100
150 156.6 120.2 180.4
115 53.4 36.3 54.5

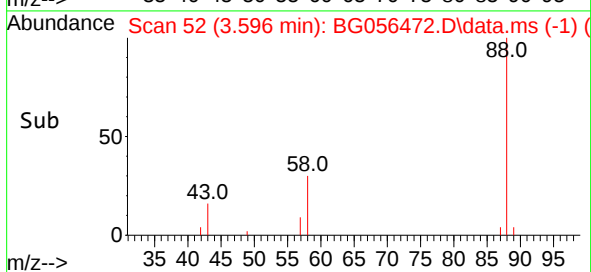
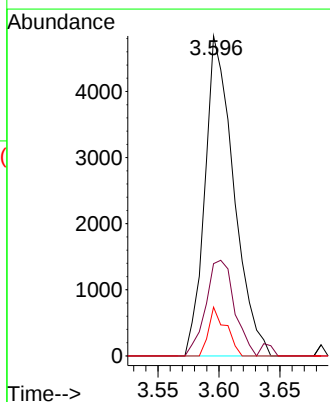
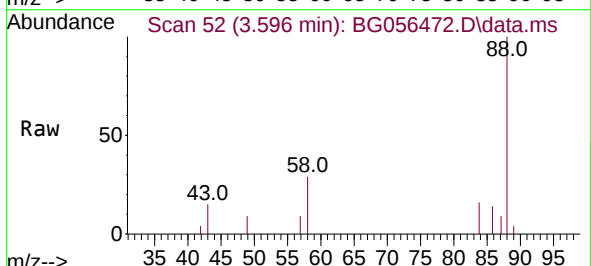
Manual Integrations
APPROVED

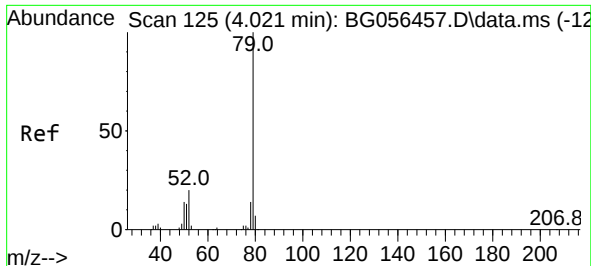
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#2
1,4-Dioxane
Concen: 10.190 ng
RT: 3.596 min Scan# 52
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

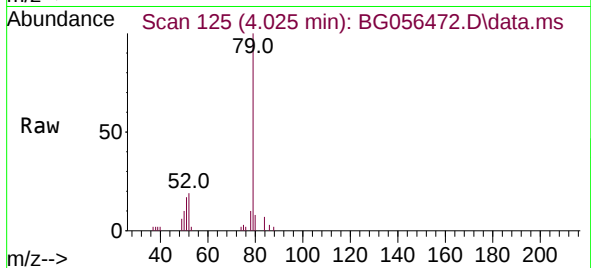
Tgt Ion: 88 Resp: 7964
Ion Ratio Lower Upper
88 100
58 29.6 23.0 34.4
43 9.2 8.0 12.0





#3
Pyridine
Concen: 8.626 ng
RT: 4.025 min Scan# 110
Delta R.T. 0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

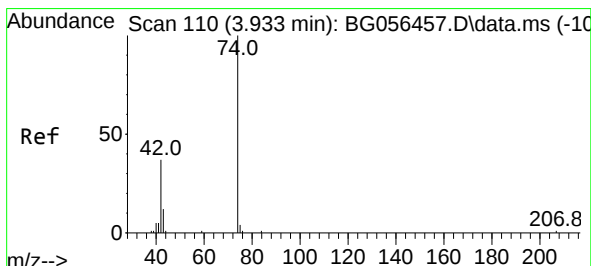
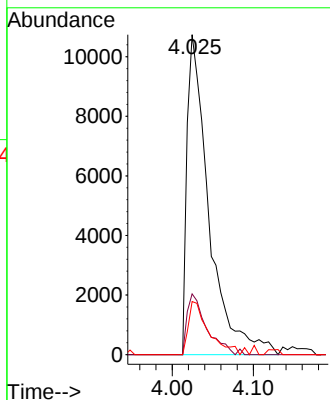
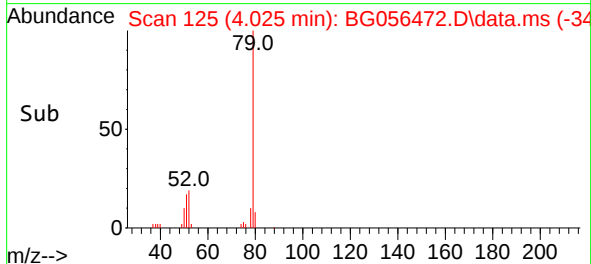
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



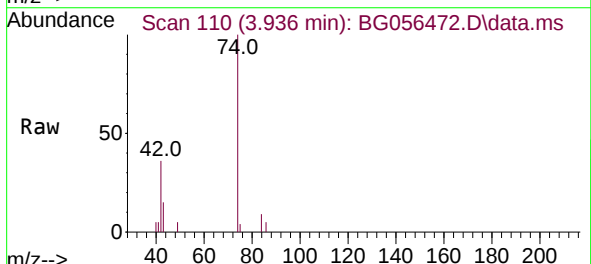
Tgt Ion: 79 Resp: 20096
Ion Ratio Lower Upper
79 100
52 19.0 16.1 24.1
51 16.6 10.7 16.1

Manual Integrations
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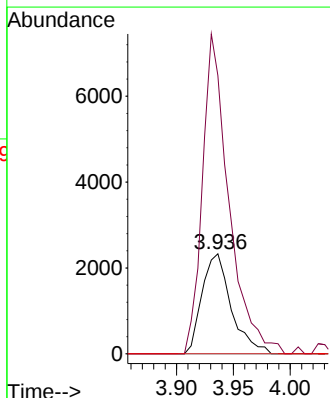
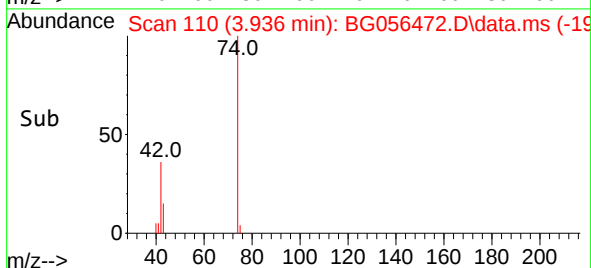
Reviewed By :Christian Giraldo 01/31/2023
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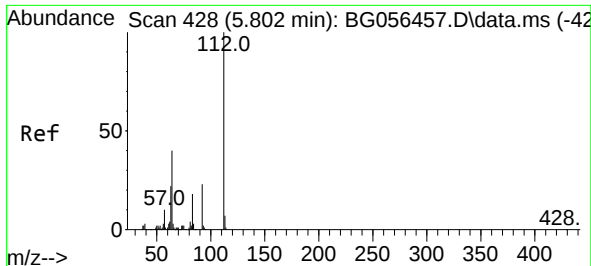


#4
n-Nitrosodimethylamine
Concen: 8.413 ng
RT: 3.936 min Scan# 110
Delta R.T. 0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



Tgt Ion: 42 Resp: 4168
Ion Ratio Lower Upper
42 100
74 278.0 217.9 326.9
44 0.0 3.0 4.6





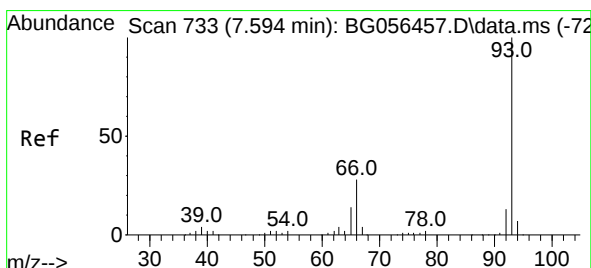
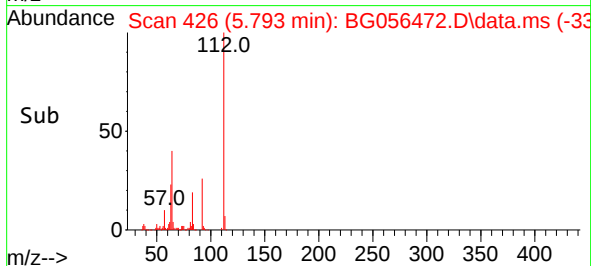
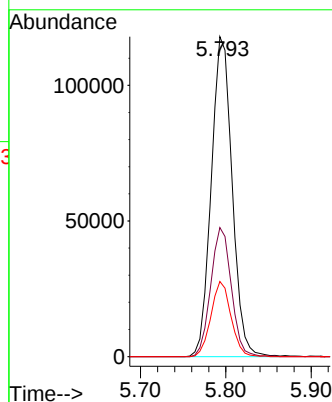
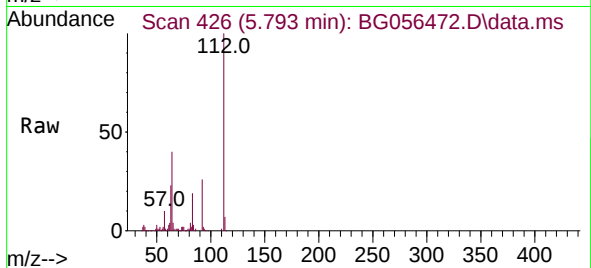
#5
2-Fluorophenol
Concen: 106.749 ng
RT: 5.793 min Scan# 428
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 112 Resp: 200362
Ion Ratio Lower Upper
112 100
64 40.3 31.9 47.9
63 23.5 17.4 26.0

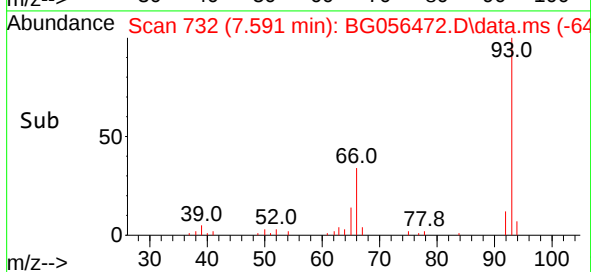
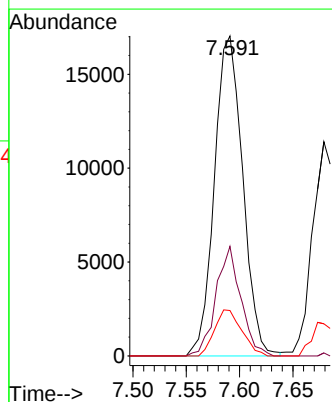
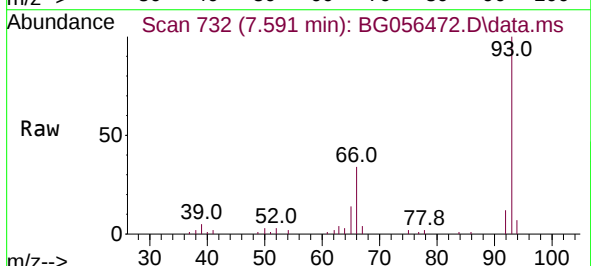
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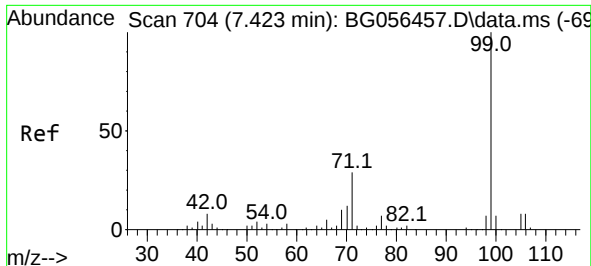
Reviewed By : Christian Giraldo 01/31/2023
Supervised By : Jagrut Upadhyay 01/31/2023



#6
Aniline
Concen: 8.644 ng
RT: 7.591 min Scan# 732
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

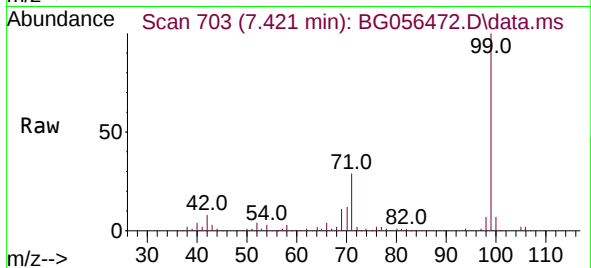
Tgt Ion: 93 Resp: 31473
Ion Ratio Lower Upper
93 100
66 34.2 22.2 33.2#
65 14.2 11.3 16.9





#7
Phenol-d6
Concen: 101.783 ng
RT: 7.421 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

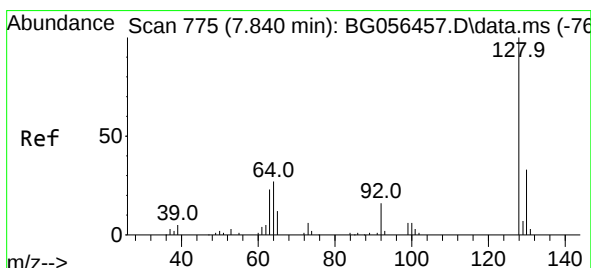
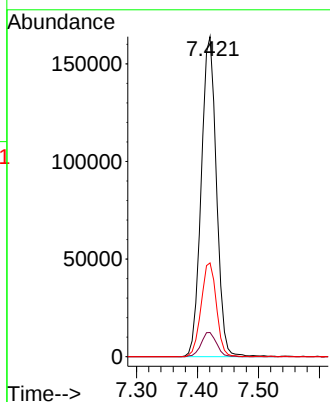
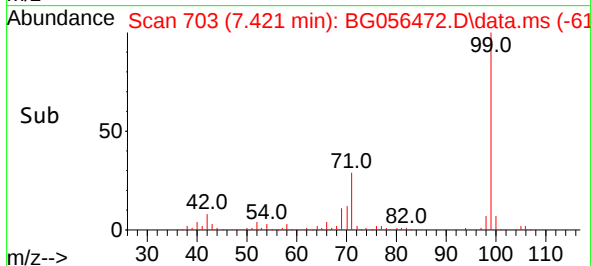
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 99 Resp: 28306
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 29.3 23.4 35.0

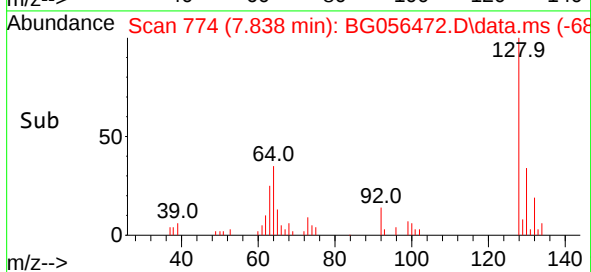
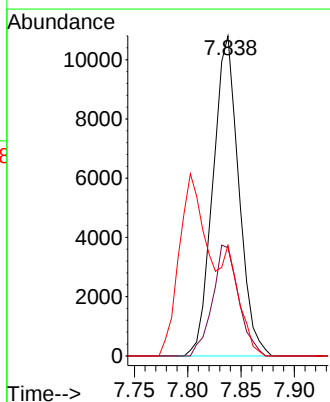
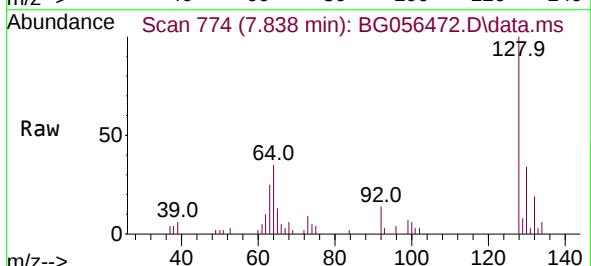
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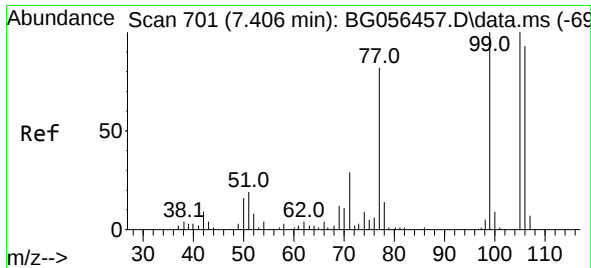
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#8
2-Chlorophenol
Concen: 8.826 ng
RT: 7.838 min Scan# 774
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:128 Resp: 18198
Ion Ratio Lower Upper
128 100
130 33.8 12.8 52.8
64 34.5 11.3 51.3





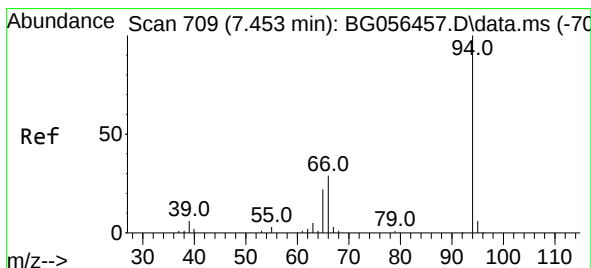
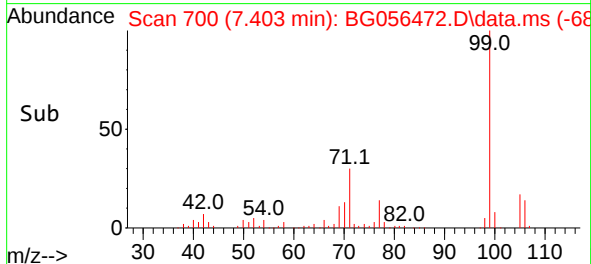
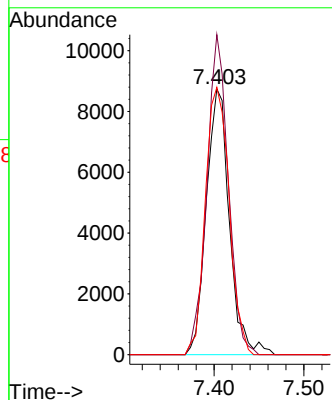
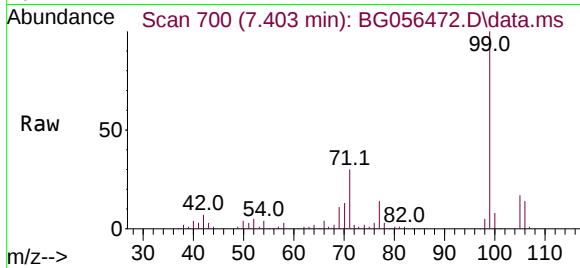
#9
Benzaldehyde
Concen: 9.705 ng
RT: 7.403 min Scan# 701
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 15675
Ion Ratio Lower Upper
77 100
105 120.5 101.8 141.8
106 100.6 93.0 133.0

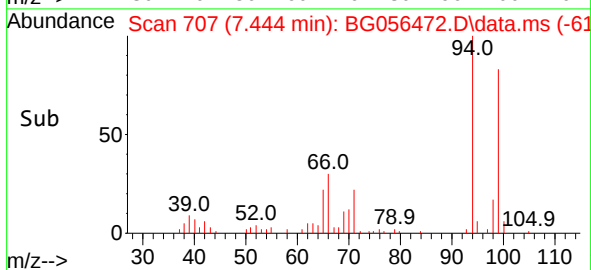
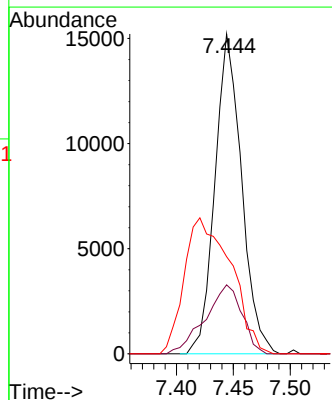
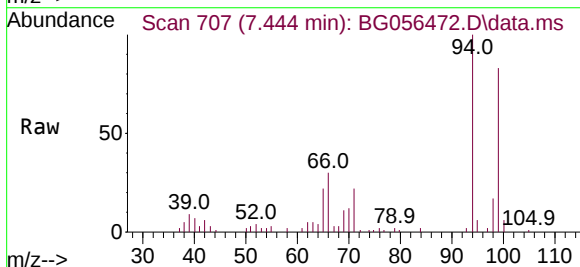
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#10
Phenol
Concen: 8.763 ng
RT: 7.444 min Scan# 707
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion: 94 Resp: 24768
Ion Ratio Lower Upper
94 100
65 21.6 2.3 42.3
66 30.4 11.2 51.2





#11

bis(2-Chloroethyl)ether

Concen: 9.345 ng

RT: 7.679 min Scan# 74

Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

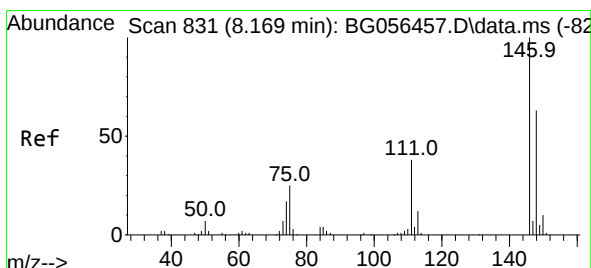
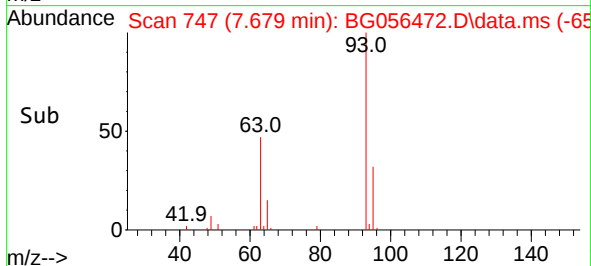
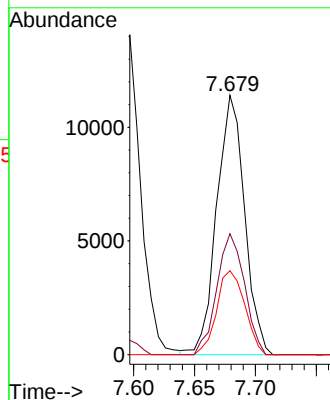
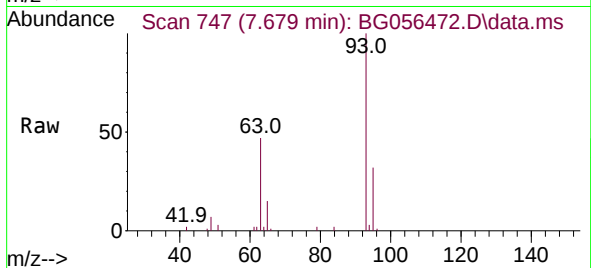
Tgt Ion: 93	Resp: 1815
Ion Ratio	Lower Upper
93	100
63	46.6 32.4 72.4
95	32.4 11.8 51.8

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#12

1,3-Dichlorobenzene

Concen: 9.660 ng

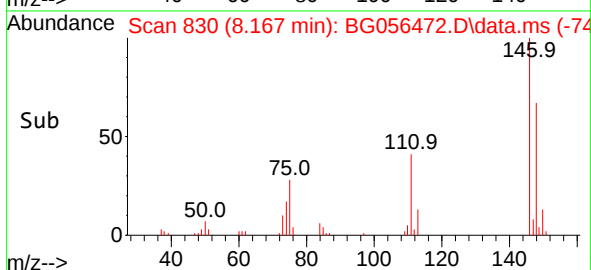
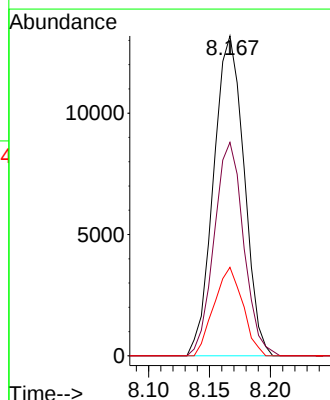
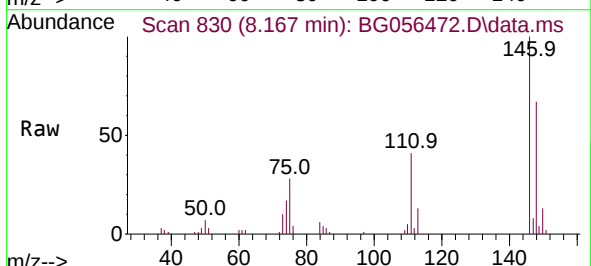
RT: 8.167 min Scan# 830

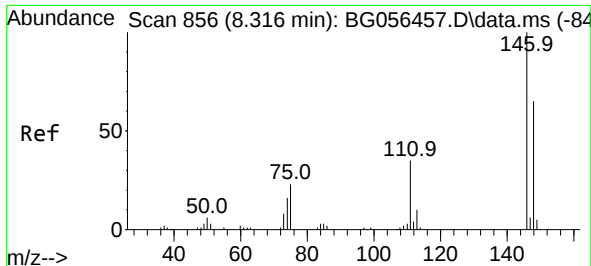
Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Tgt Ion:146	Resp: 22933
Ion Ratio	Lower Upper
146	100
148	70.7 50.6 75.8
75	27.7 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 10.359 ng

RT: 8.314 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

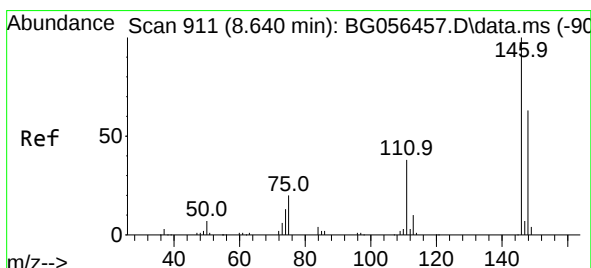
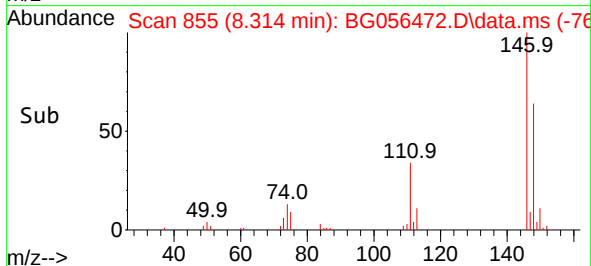
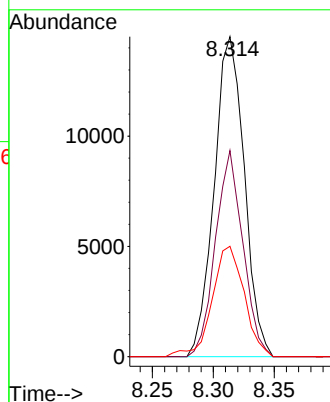
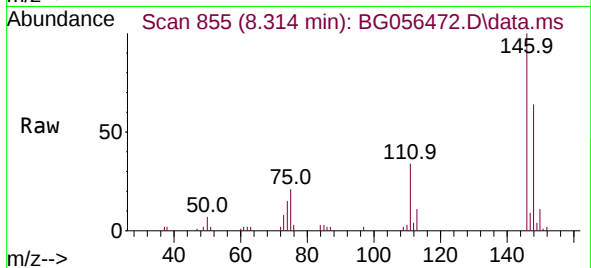
LOQ-SOIL-02-QT3-2022

Tgt Ion:146 Resp: 24905
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.8 77.6
 111 34.5 28.6 42.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#14

1,2-Dichlorobenzene

Concen: 9.527 ng

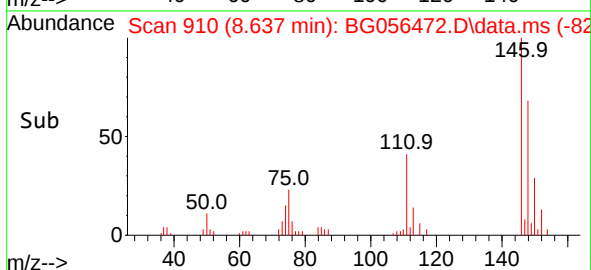
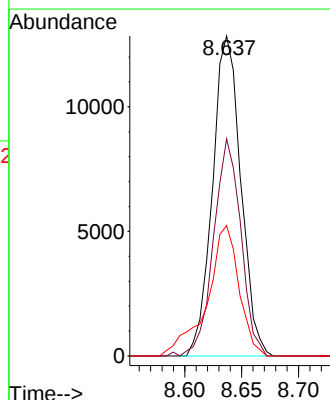
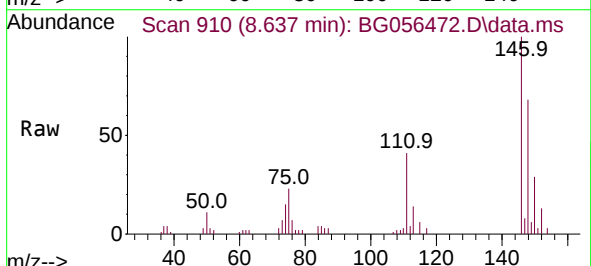
RT: 8.637 min Scan# 910

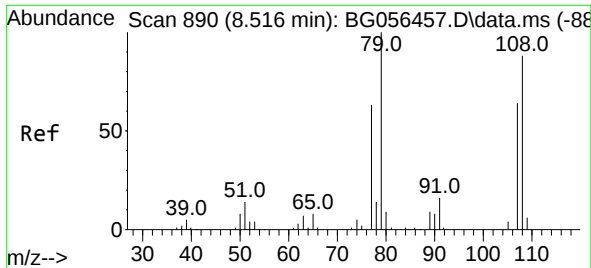
Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Tgt Ion:146 Resp: 22222
 Ion Ratio Lower Upper
 146 100
 148 67.8 50.1 75.1
 111 40.7 30.9 46.3





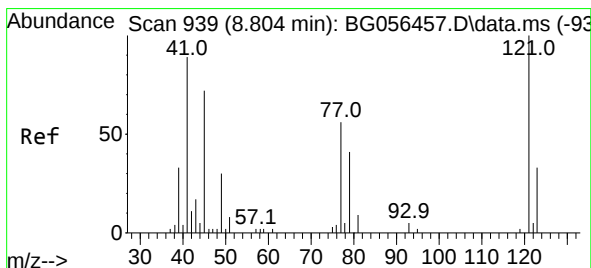
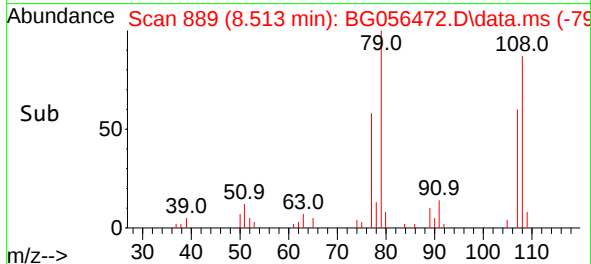
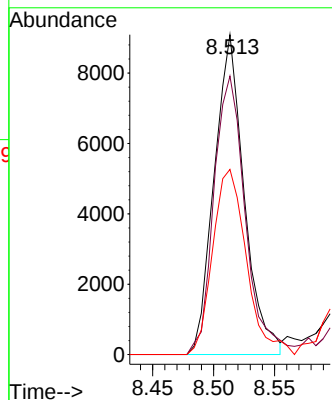
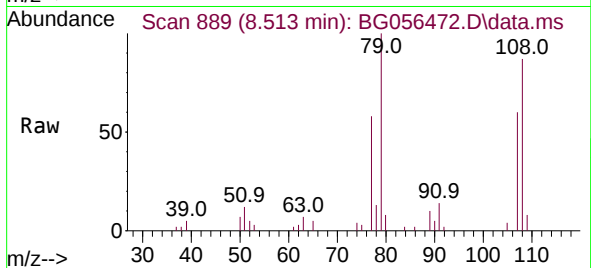
#15
Benzyl Alcohol
Concen: 8.141 ng
RT: 8.513 min Scan# 889
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 79 Resp: 1553
Ion Ratio Lower Upper
79 100
108 87.0 70.1 105.1
77 57.9 50.3 75.5

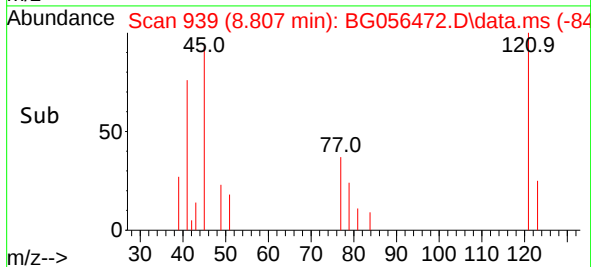
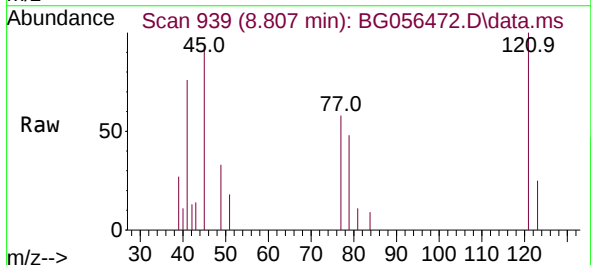
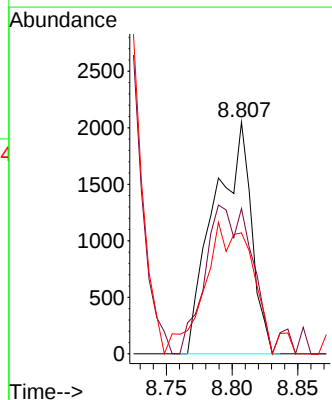
Manual Integrations
APPROVED

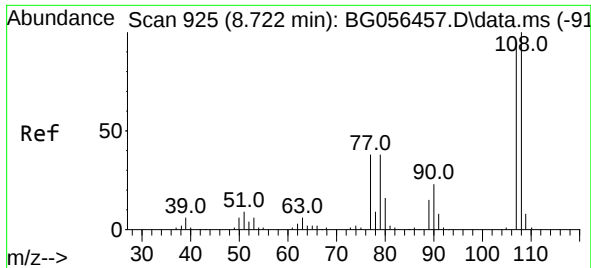
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.787 ng
RT: 8.807 min Scan# 939
Delta R.T. 0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

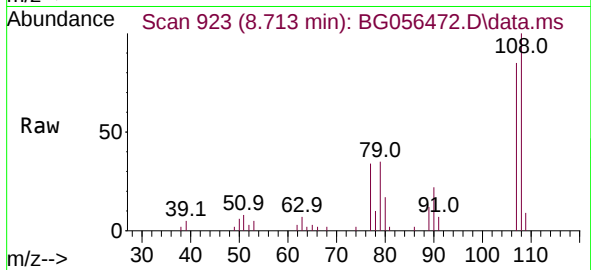
Tgt Ion: 45 Resp: 4029
Ion Ratio Lower Upper
45 100
77 62.7 62.1 102.1
79 52.2 42.7 82.7





#17
2-Methylphenol
Concen: 8.269 ng
RT: 8.713 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

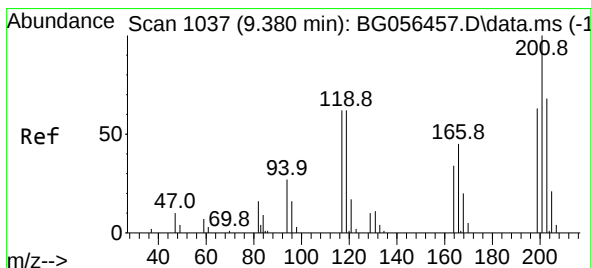
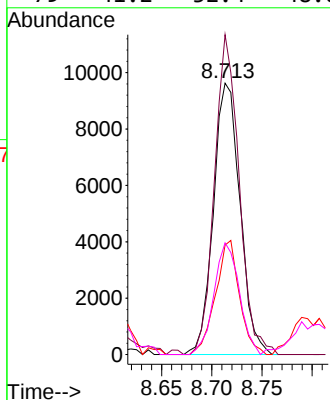
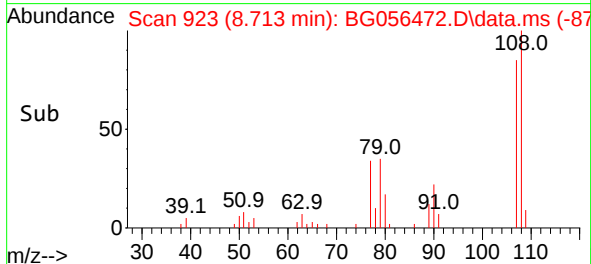
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



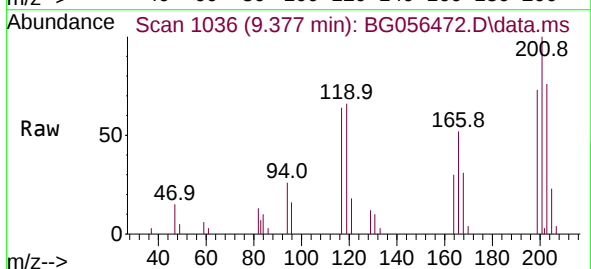
Tgt Ion:107 Resp: 1778
Ion Ratio Lower Upper
107 100
108 117.9 83.9 125.9
77 40.4 31.6 47.4
79 41.2 32.4 48.6

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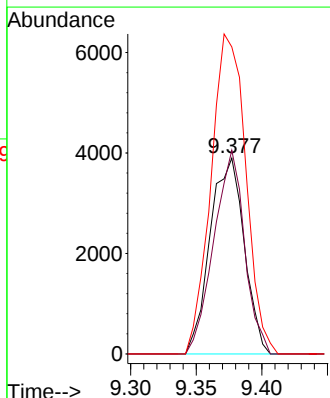
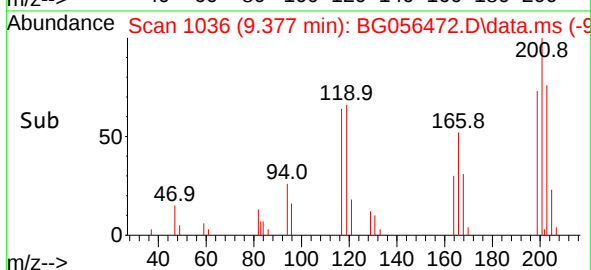
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

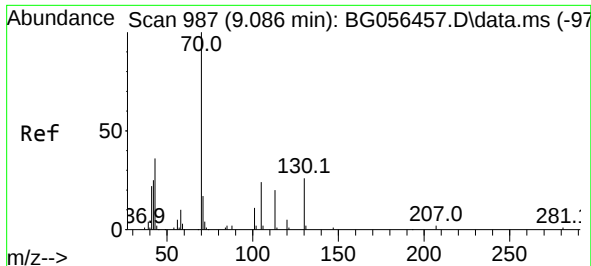


#18
Hexachloroethane
Concen: 9.674 ng
RT: 9.377 min Scan# 1036
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



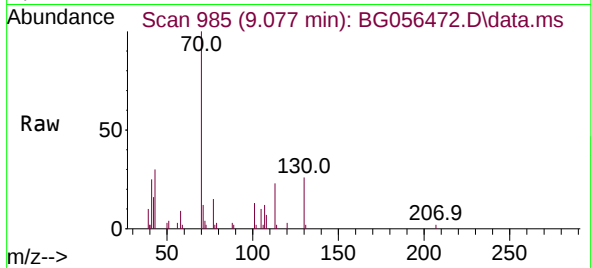
Tgt Ion:117 Resp: 7035
Ion Ratio Lower Upper
117 100
119 104.0 79.4 119.0
201 156.8 128.5 192.7





#19
n-Nitroso-di-n-propylamine
Concen: 8.783 ng
RT: 9.077 min Scan# 985
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

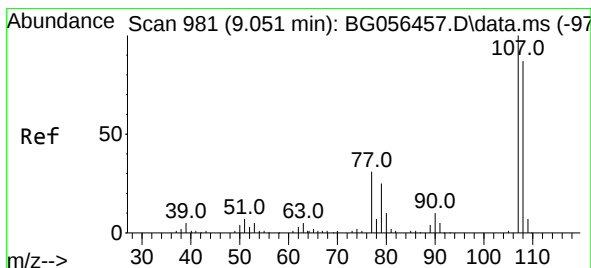
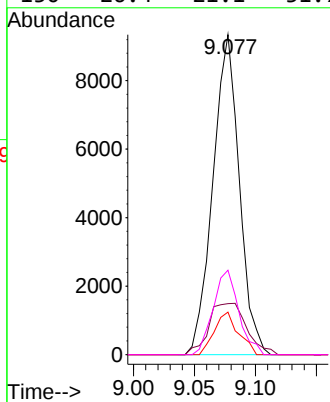
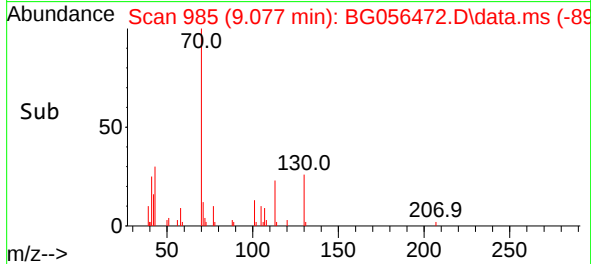
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 70 Resp: 1407
Ion Ratio Lower Upper
70 100
42 15.9 20.2 30.4
101 13.3 9.1 13.7
130 26.4 21.1 31.7

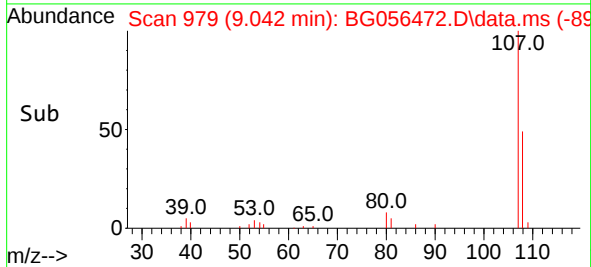
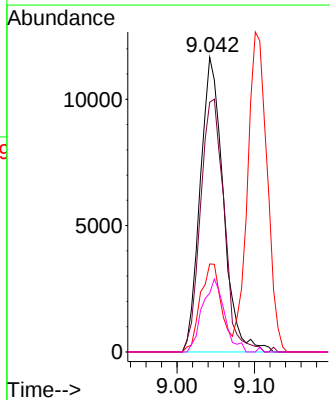
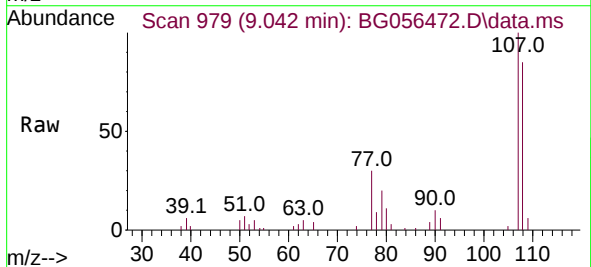
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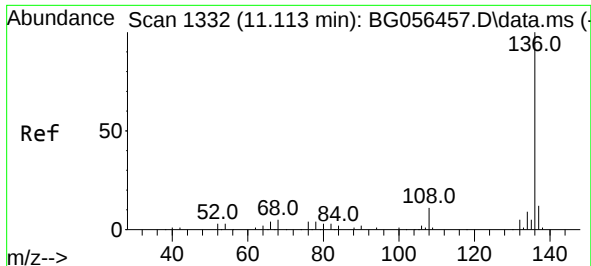
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#20
3+4-Methylphenols
Concen: 8.026 ng
RT: 9.042 min Scan# 979
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

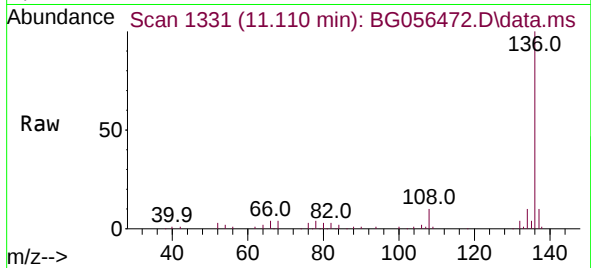
Tgt Ion:107 Resp: 24187
Ion Ratio Lower Upper
107 100
108 84.8 66.7 106.7
77 29.8 10.6 50.6
79 20.0 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.110 min Scan# 1331
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

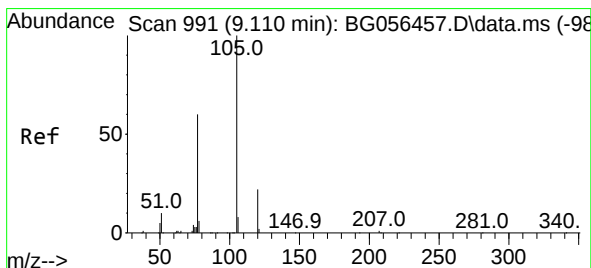
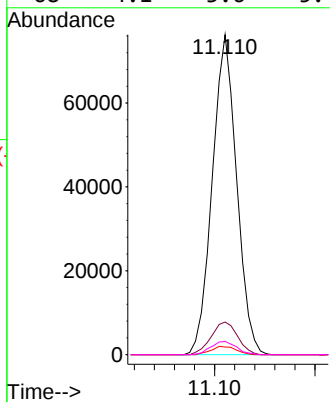
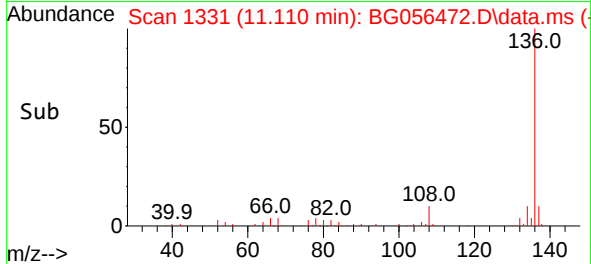
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 128693
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.0
54 2.4 2.2 3.4
68 4.1 3.6 5.4

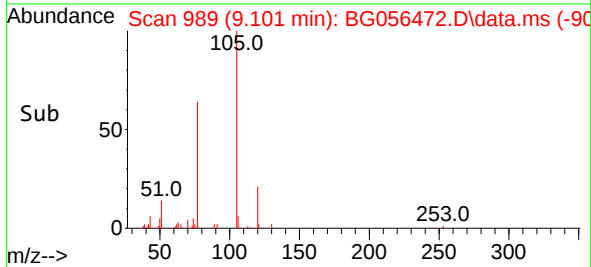
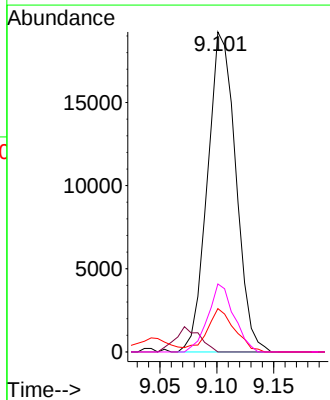
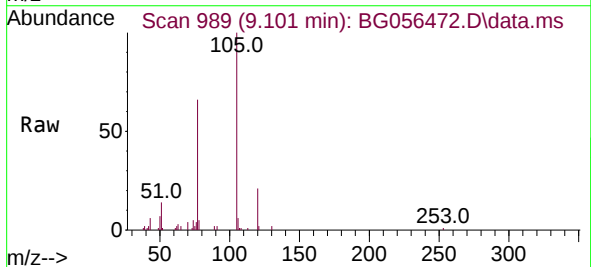
Manual Integrations
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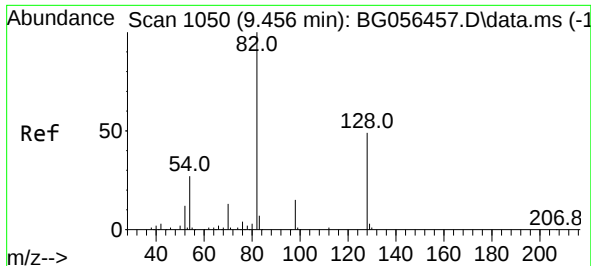
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#22
Acetophenone
Concen: 9.751 ng
RT: 9.101 min Scan# 989
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

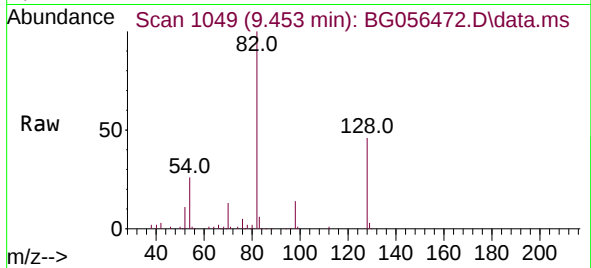
Tgt Ion:105 Resp: 33342
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 13.5 9.2 13.8
120 21.2 17.4 26.0





#23
Nitrobenzene-d5
Concen: 72.747 ng
RT: 9.453 min Scan# 1049
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

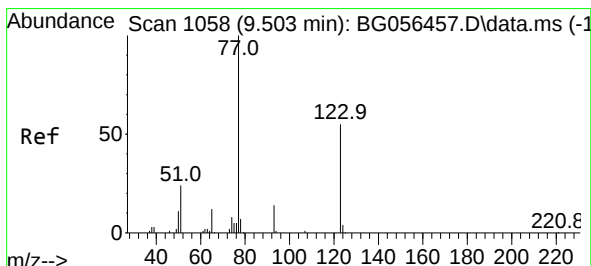
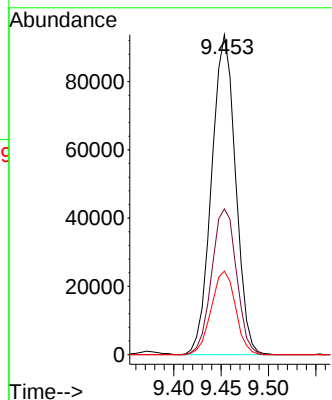
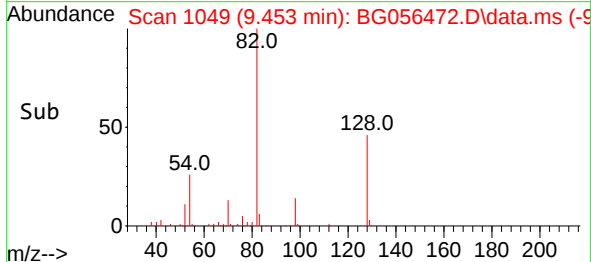
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 164869
Ion Ratio Lower Upper
82 100
128 45.5 39.4 59.2
54 26.1 21.4 32.2

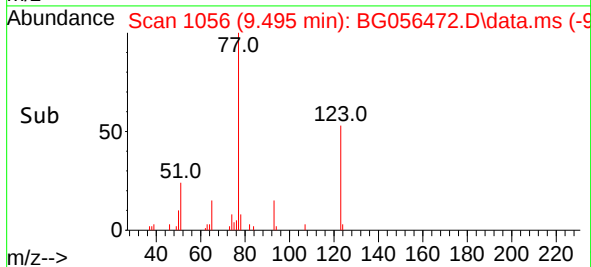
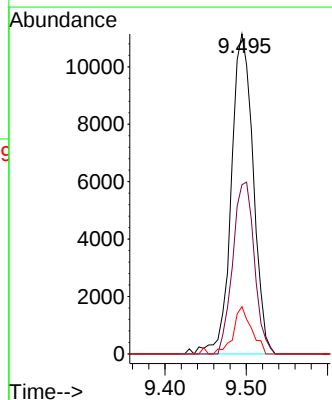
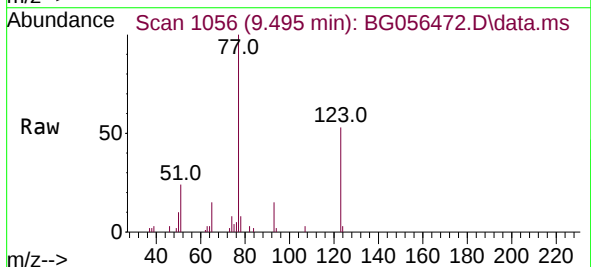
Manual Integrations
APPROVED

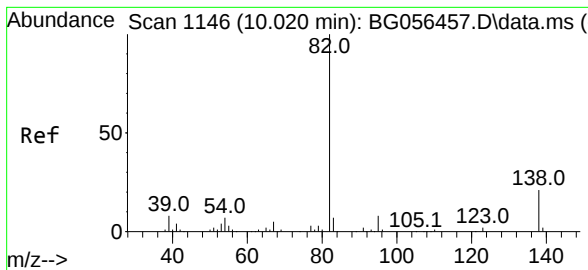
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#24
Nitrobenzene
Concen: 9.569 ng
RT: 9.495 min Scan# 1056
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion: 77 Resp: 20919
Ion Ratio Lower Upper
77 100
123 52.9 44.0 66.0
65 14.8 9.7 14.5#





#25

Isophorone

Concen: 8.983 ng

RT: 10.012 min Scan# 1144

Delta R.T. -0.009 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

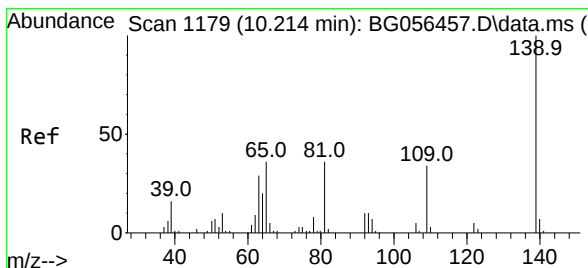
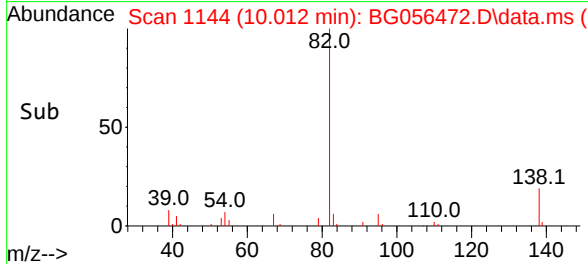
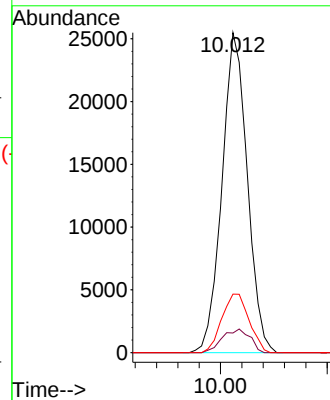
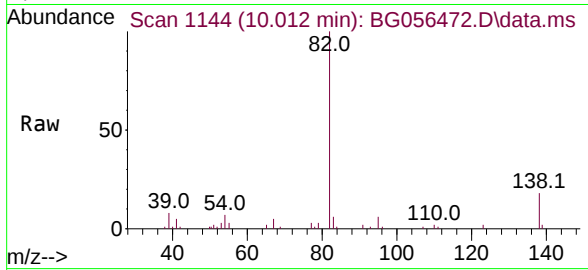
LOQ-SOIL-02-QT3-2022

Tgt Ion: 82	Resp: 41999
Ion Ratio	Lower Upper
82 100	
95 6.1	6.3 9.5
138 18.3	16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#26

2-Nitrophenol

Concen: 8.741 ng

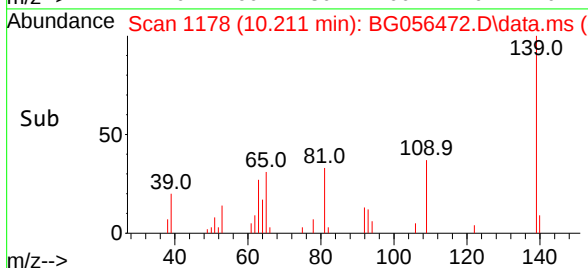
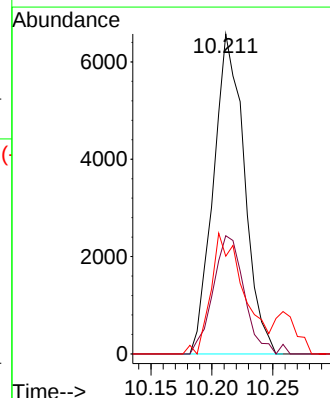
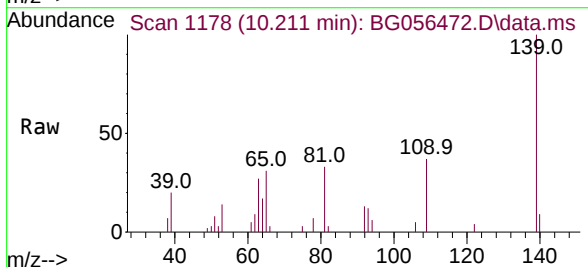
RT: 10.211 min Scan# 1178

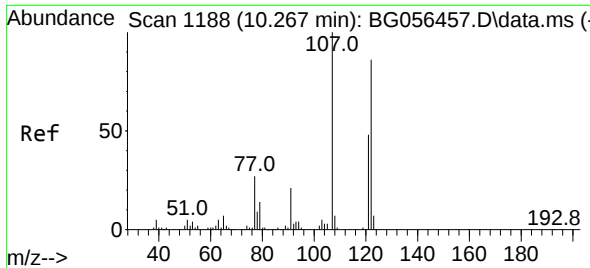
Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

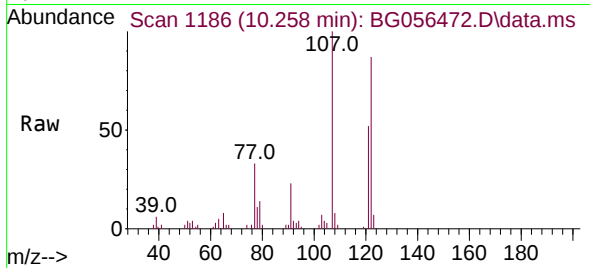
Tgt Ion:139	Resp: 11594
Ion Ratio	Lower Upper
139 100	
109 36.9	26.9 40.3
65 30.5	29.0 43.4





#27
2,4-Dimethylphenol
Concen: 8.167 ng
RT: 10.258 min Scan# 1186
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

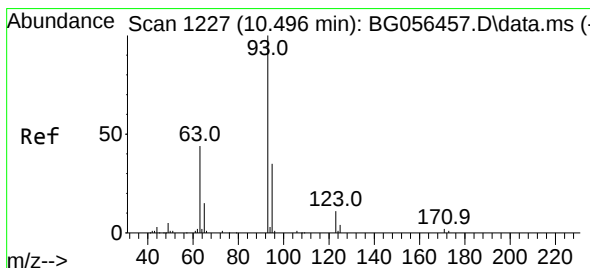
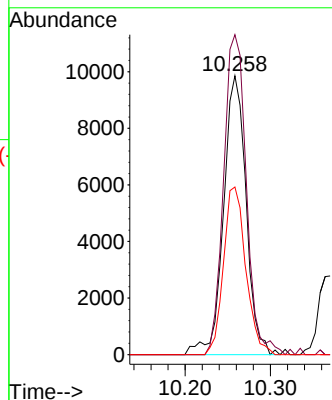
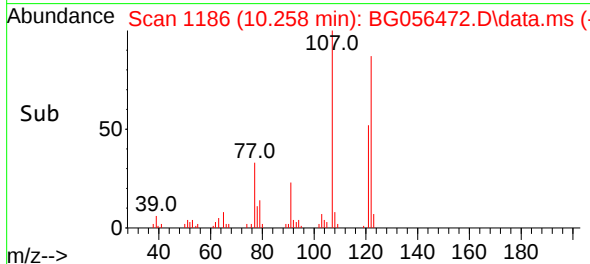
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:122 Resp: 18129
Ion Ratio Lower Upper
122 100
107 114.8 92.9 139.3
121 60.1 45.0 67.4

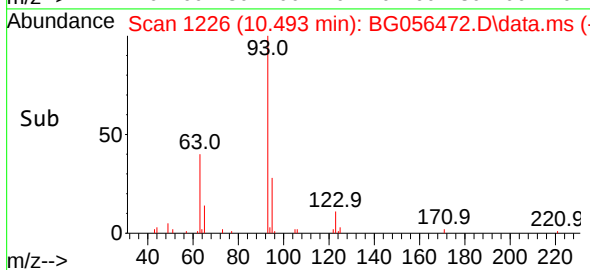
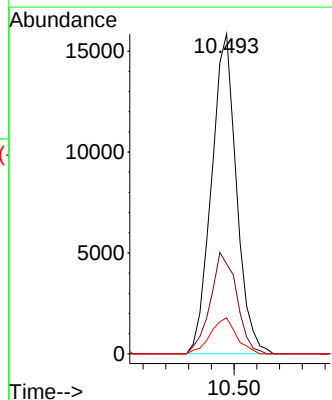
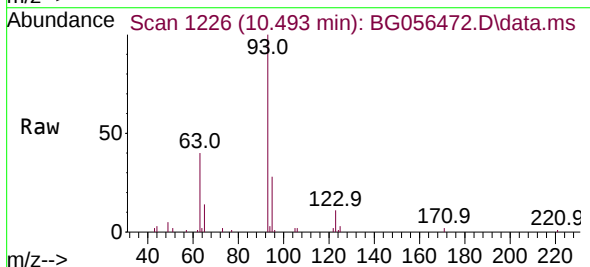
Manual Integrations
APPROVED

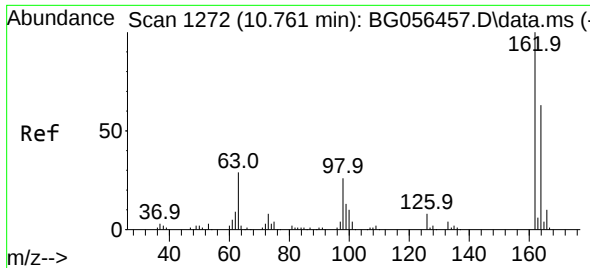
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#28
bis(2-Chloroethoxy)methane
Concen: 9.351 ng
RT: 10.493 min Scan# 1226
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion: 93 Resp: 24152
Ion Ratio Lower Upper
93 100
95 28.1 27.9 41.9
123 11.3 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 9.026 ng

RT: 10.752 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

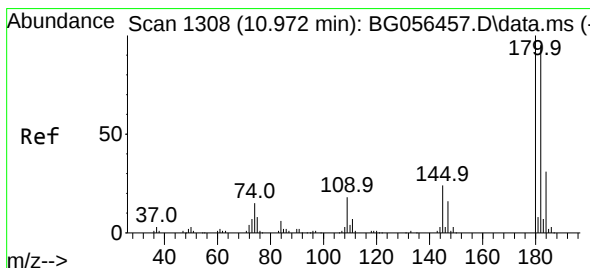
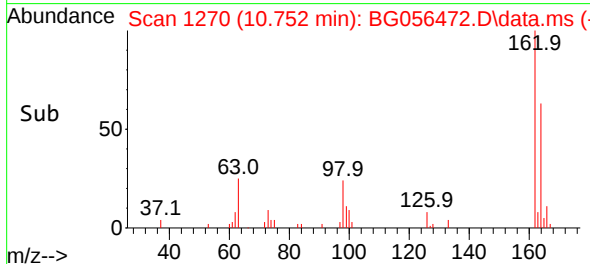
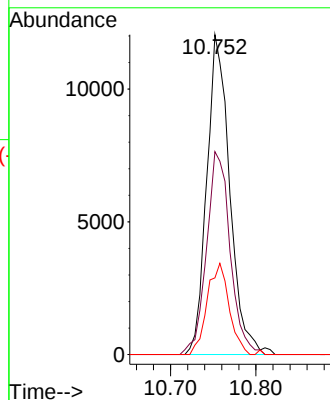
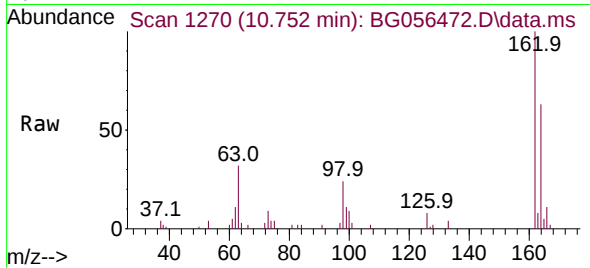
Tgt Ion:	162	Resp:	2255
Ion Ratio	Lower	Upper	
162	100		
164	63.4	42.8	82.8
98	24.0	6.5	46.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#30

1,2,4-Trichlorobenzene

Concen: 9.830 ng

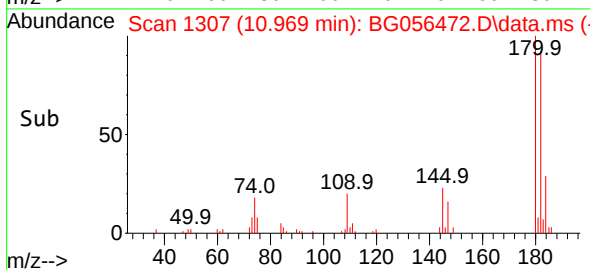
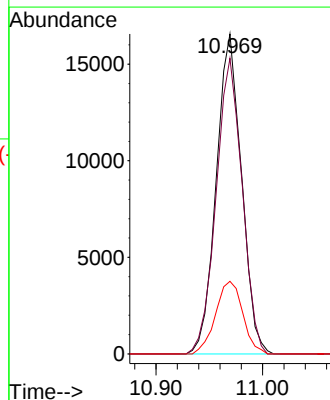
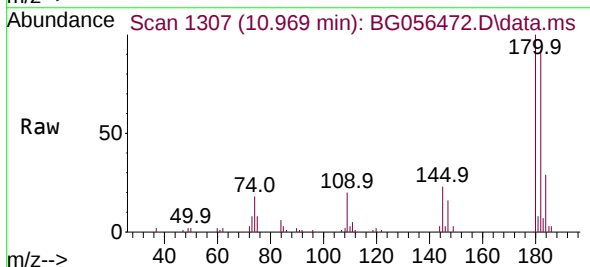
RT: 10.969 min Scan# 1307

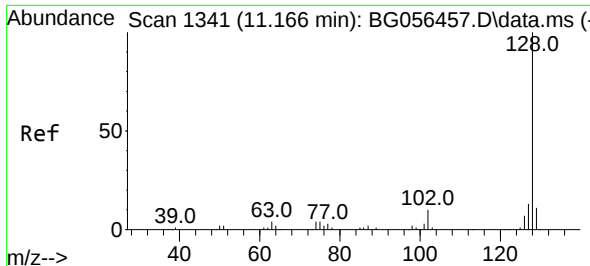
Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

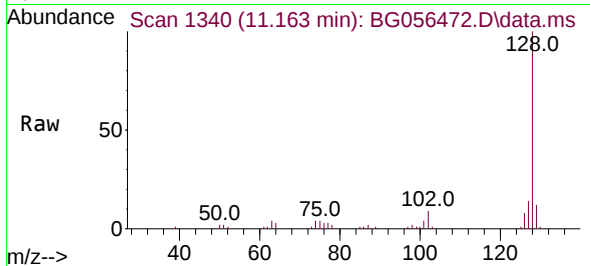
Tgt Ion:	180	Resp:	27294
Ion Ratio	Lower	Upper	
180	100		
182	92.4	75.9	113.9
145	22.7	19.4	29.0





#31
Naphthalene
Concen: 9.217 ng
RT: 11.163 min Scan# 1341
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

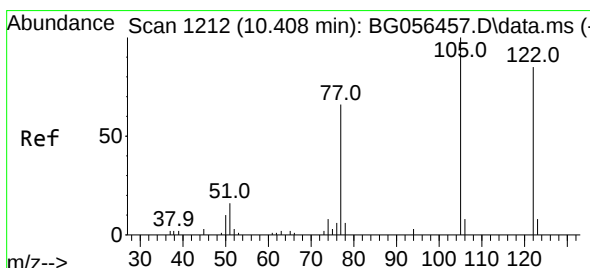
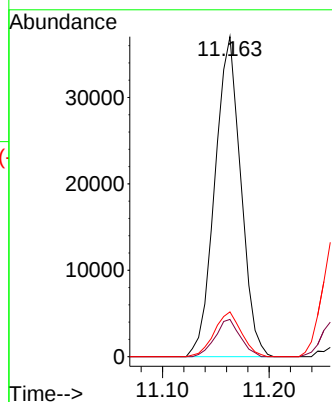
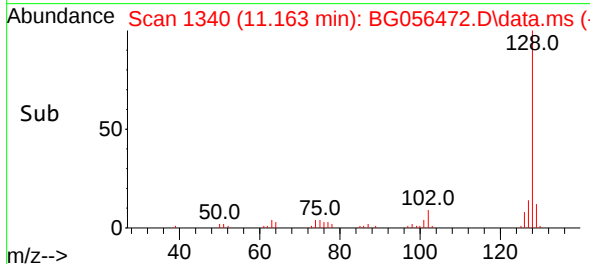
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:128 Resp: 62608
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 14.0 10.4 15.6

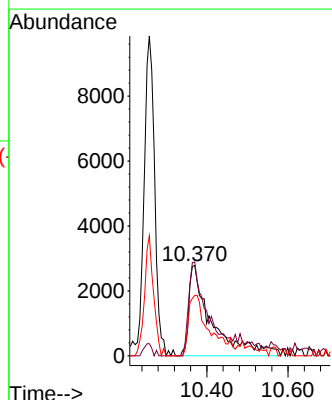
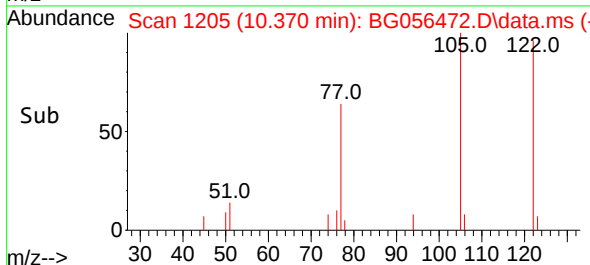
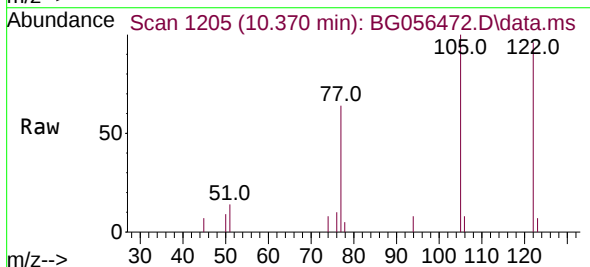
Manual Integrations
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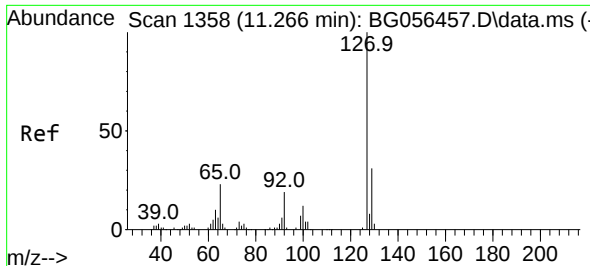
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#32
Benzoic acid
Concen: 8.854 ng m
RT: 10.370 min Scan# 1205
Delta R.T. -0.038 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

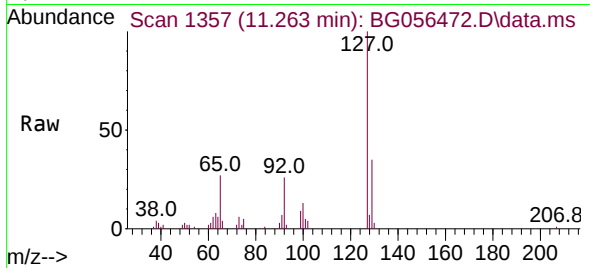
Tgt Ion:122 Resp: 10995
Ion Ratio Lower Upper
122 100
105 104.0 96.5 136.5
77 67.0 57.3 97.3





#33
4-Chloroaniline
Concen: 8.736 ng
RT: 11.263 min Scan# 1357
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

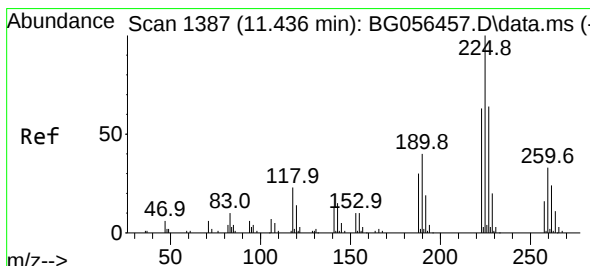
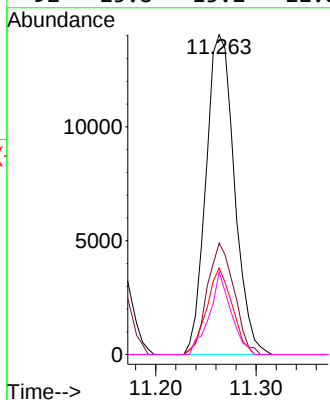
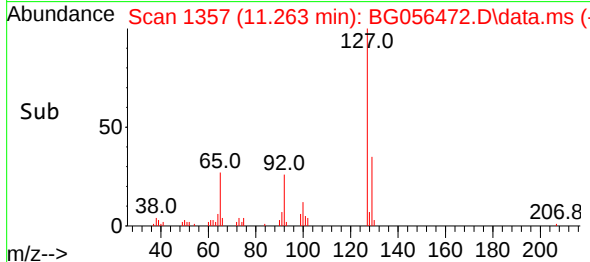
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:127 Resp: 27700
Ion Ratio Lower Upper
127 100
129 34.8 25.0 37.6
65 27.1 18.5 27.7
92 25.8 15.2 22.8#

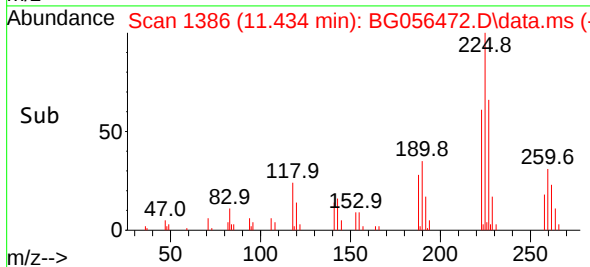
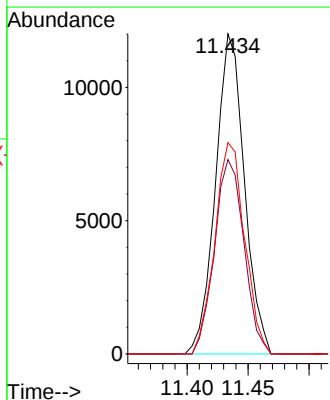
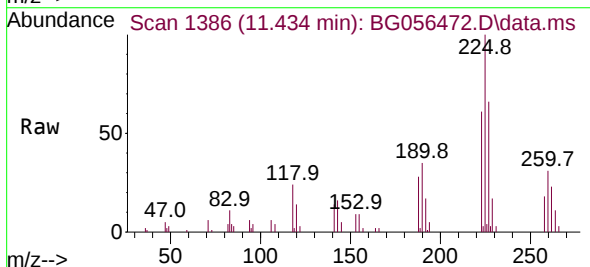
Manual Integrations
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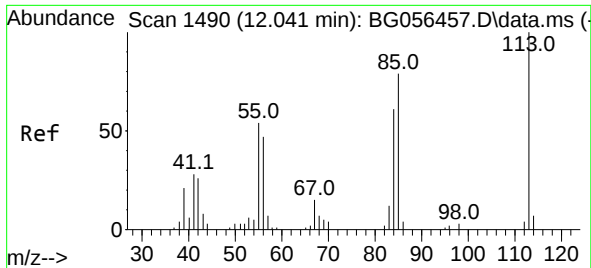
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#34
Hexachlorobutadiene
Concen: 10.148 ng
RT: 11.434 min Scan# 1386
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:225 Resp: 19778
Ion Ratio Lower Upper
225 100
223 63.4 50.6 75.8
227 66.0 53.7 80.5





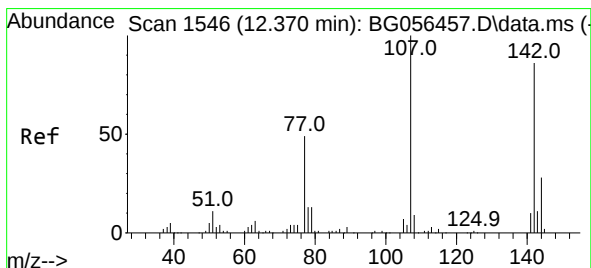
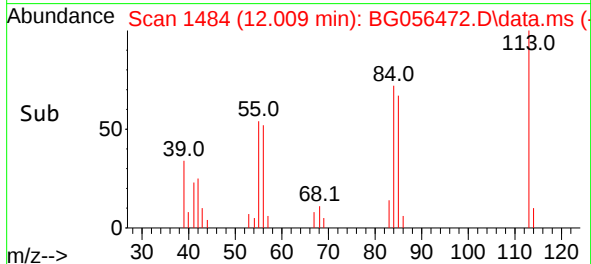
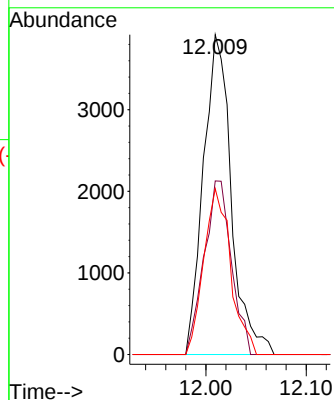
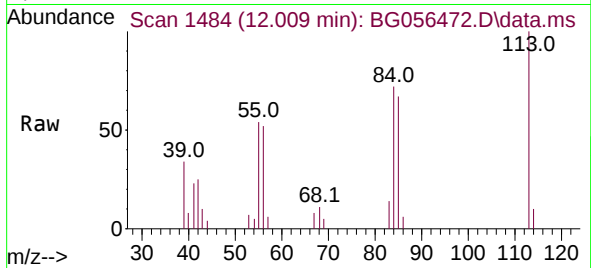
#35
Caprolactam
Concen: 8.983 ng
RT: 12.009 min Scan# 1490
Delta R.T. -0.032 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:113 Resp: 7570
Ion Ratio Lower Upper
113 100
55 54.3 33.7 73.7
56 51.8 27.1 67.1

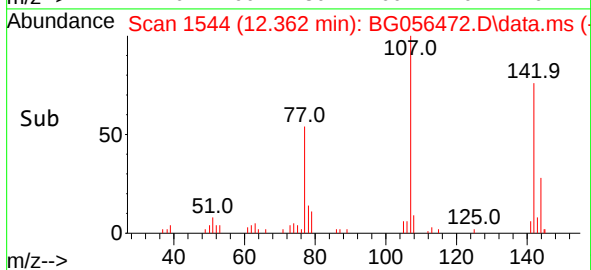
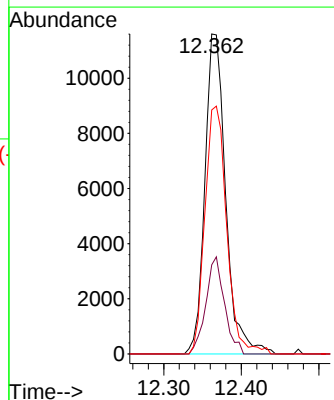
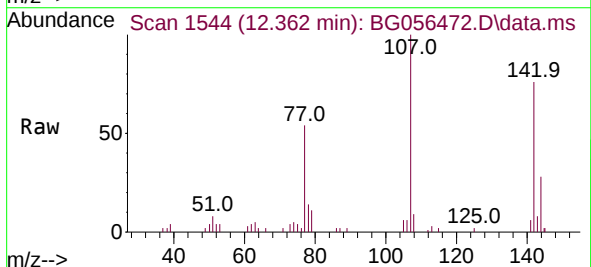
Manual Integrations
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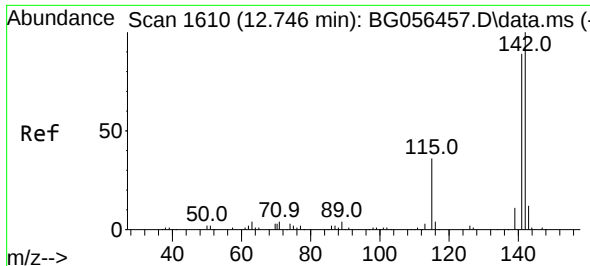
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#36
4-Chloro-3-methylphenol
Concen: 8.958 ng
RT: 12.362 min Scan# 1544
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:107 Resp: 21616
Ion Ratio Lower Upper
107 100
144 27.8 22.3 33.5
142 76.2 68.9 103.3





#37

2-Methylnaphthalene

Concen: 8.787 ng

RT: 12.744 min Scan# 1609

Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

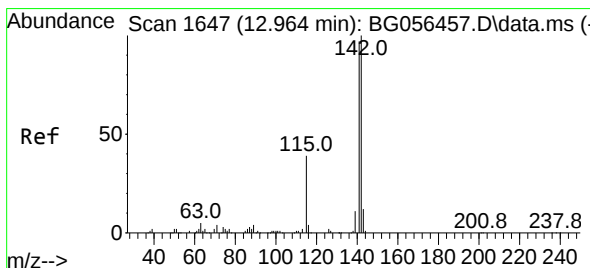
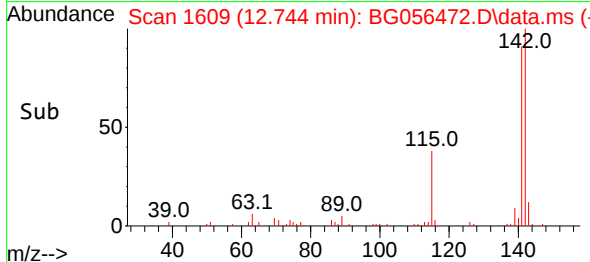
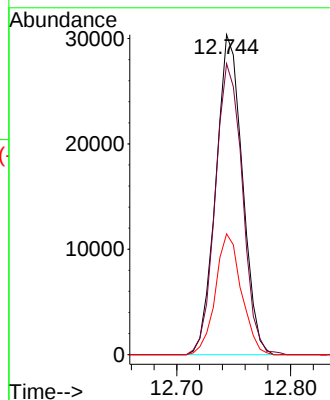
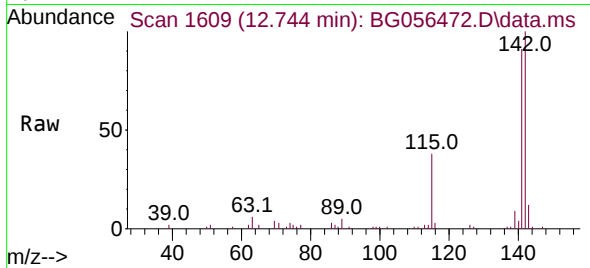
Tgt Ion:142	Resp:	49208
Ion Ratio	Lower	Upper
142	100	
141	90.9	71.4 107.0
115	37.7	28.4 42.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#38

1-Methylnaphthalene

Concen: 9.051 ng

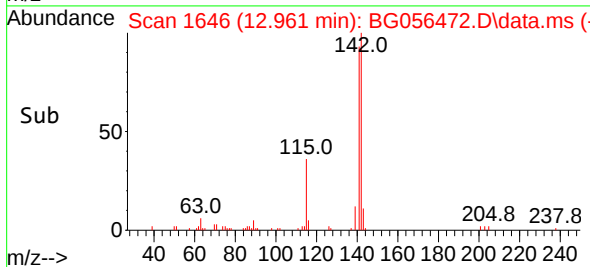
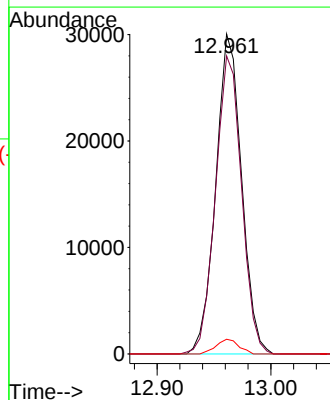
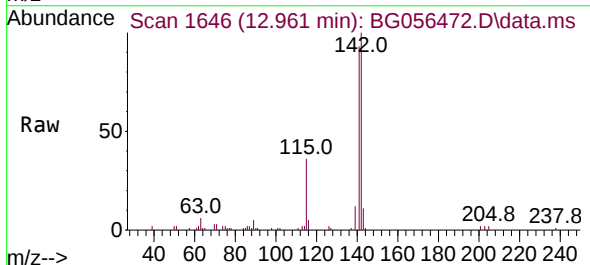
RT: 12.961 min Scan# 1646

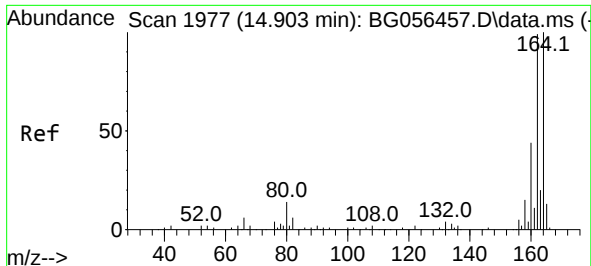
Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

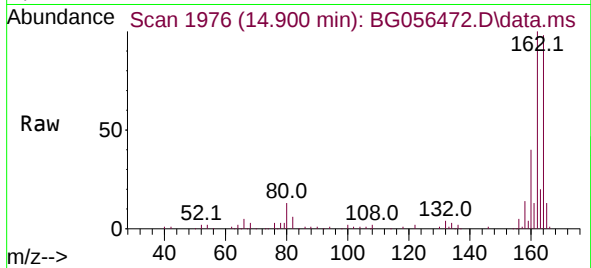
Tgt Ion:142	Resp:	47334
Ion Ratio	Lower	Upper
142	100	
141	93.1	77.7 116.5
116	4.6	3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.900 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

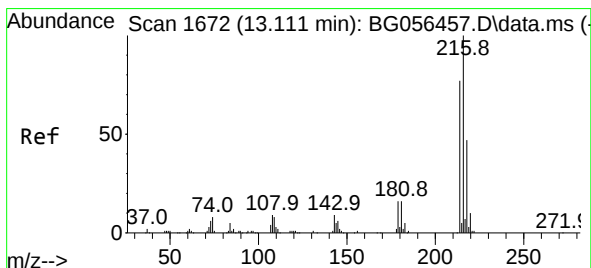
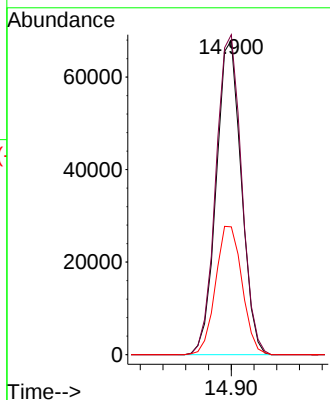
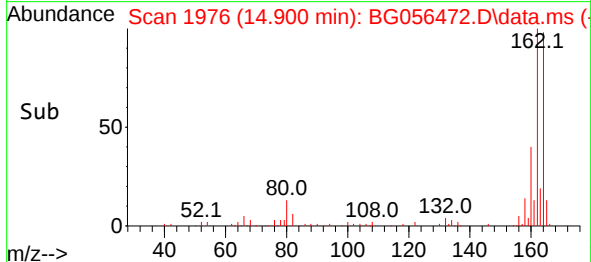
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



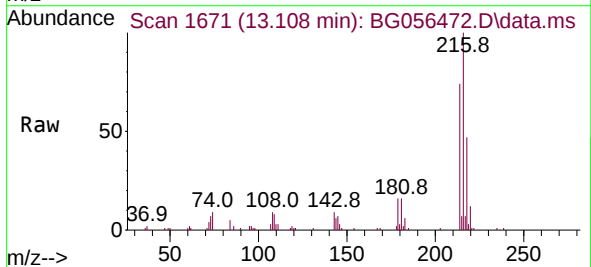
Tgt Ion:164 Resp: 103808
Ion Ratio Lower Upper
164 100
162 101.8 79.6 119.4
160 40.7 34.9 52.3

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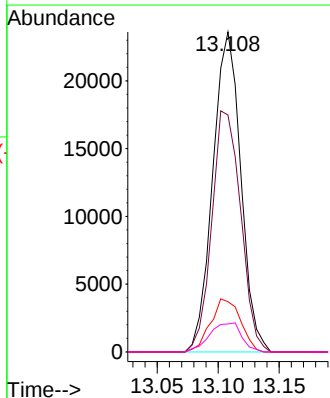
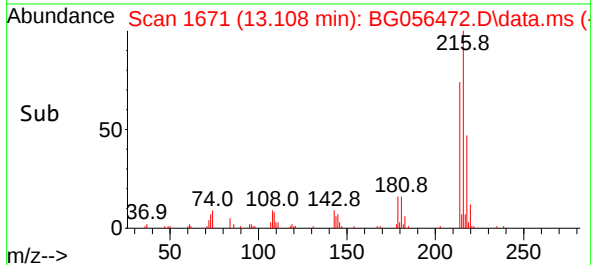
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

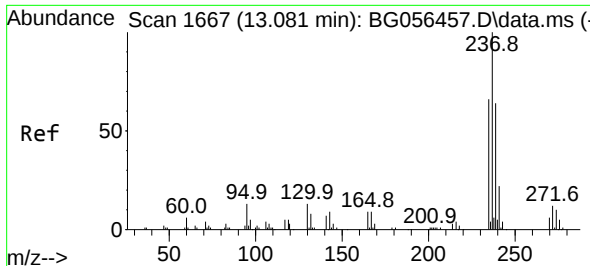


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.922 ng
RT: 13.108 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



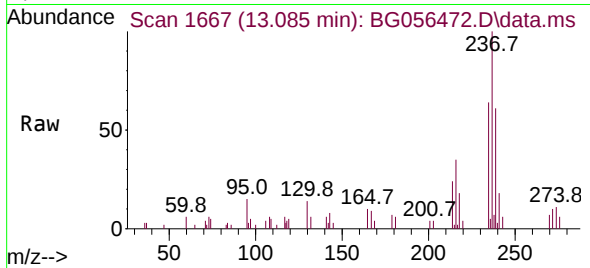
Tgt Ion:216 Resp: 37627
Ion Ratio Lower Upper
216 100
214 77.8 63.0 94.6
179 17.7 14.1 21.1
108 10.4 9.0 13.6





#41
Hexachlorocyclopentadiene
Concen: 11.456 ng
RT: 13.085 min Scan# 1667
Delta R.T. 0.004 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

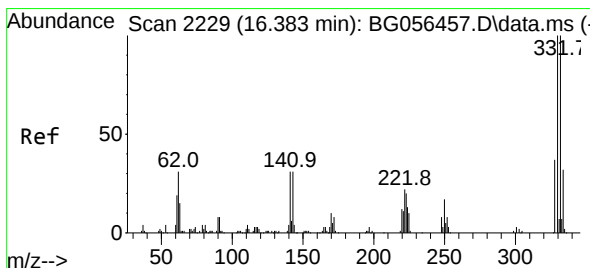
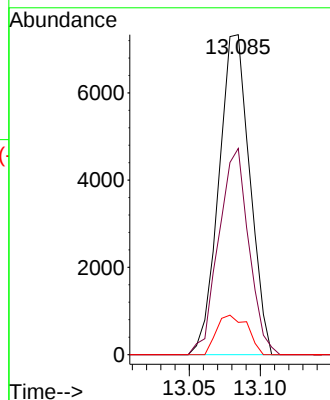
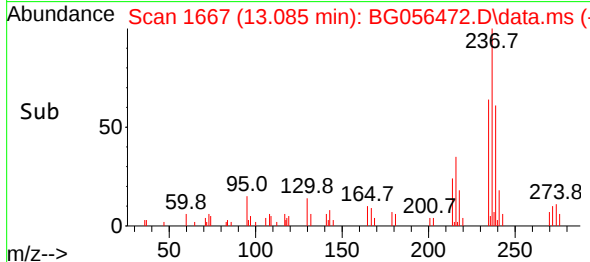
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



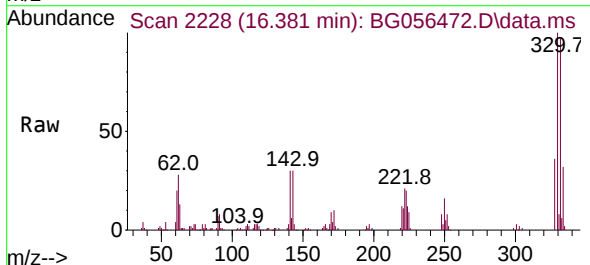
Tgt Ion: 237 Resp: 11100
Ion Ratio Lower Upper
237 100
235 64.4 45.6 85.6
272 10.1 0.0 32.3

Manual Integrations
APPROVED

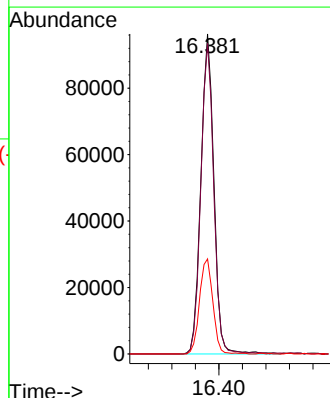
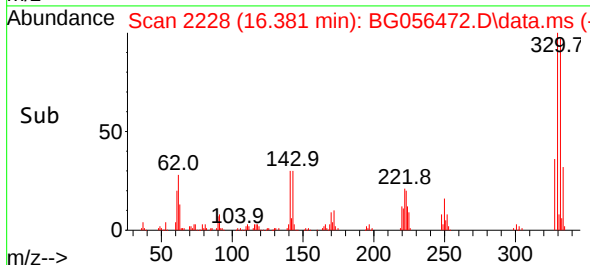
Reviewed By : Christian Giraldo 01/31/2023
Supervised By : Jagrut Upadhyay 01/31/2023

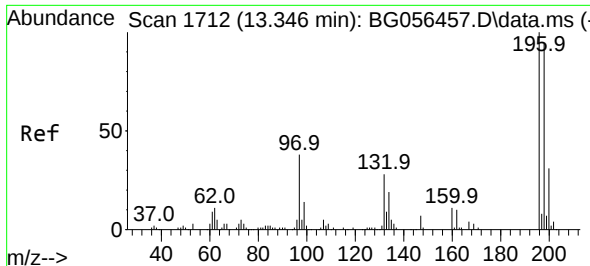


#42
2,4,6-Tribromophenol
Concen: 107.025 ng
RT: 16.381 min Scan# 2228
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



Tgt Ion: 330 Resp: 147702
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.6
141 30.3 24.2 36.4





#43

2,4,6-Trichlorophenol

Concen: 9.231 ng

RT: 13.343 min Scan# 1711

Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:196 Resp: 22560

Ion Ratio Lower Upper

196 100

198 90.7 75.4 113.0

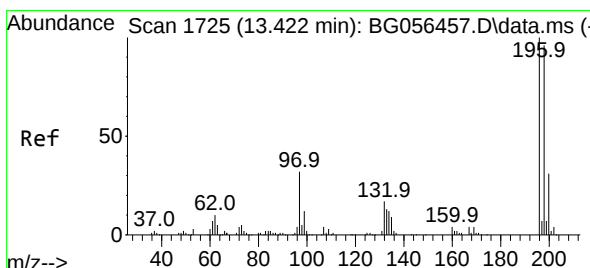
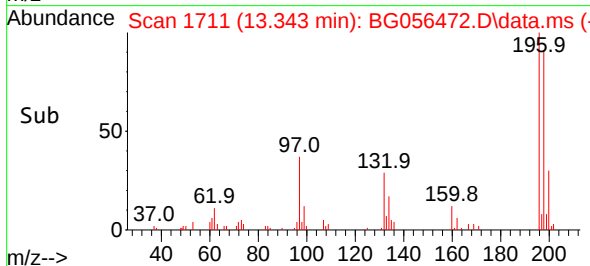
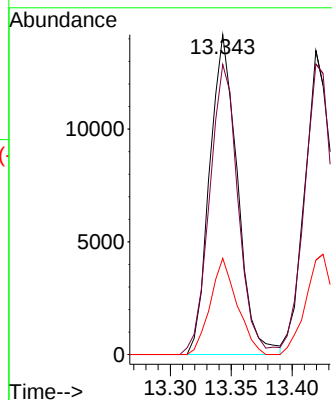
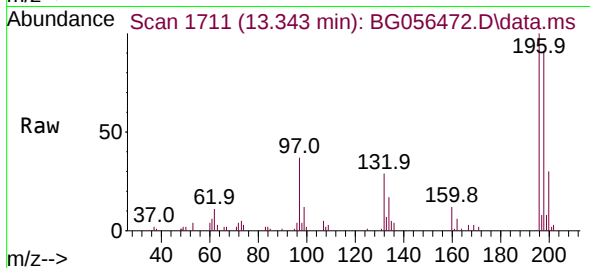
200 30.1 25.0 37.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#44

2,4,5-Trichlorophenol

Concen: 8.213 ng

RT: 13.419 min Scan# 1724

Delta R.T. -0.003 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Tgt Ion:196 Resp: 23501

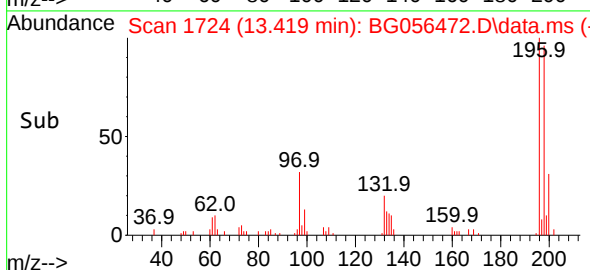
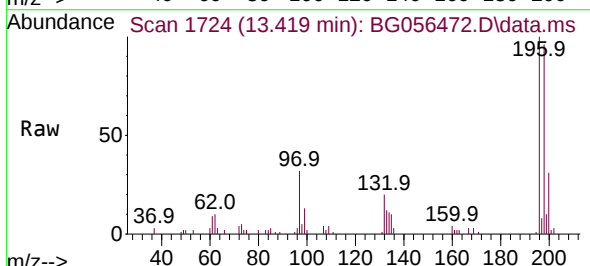
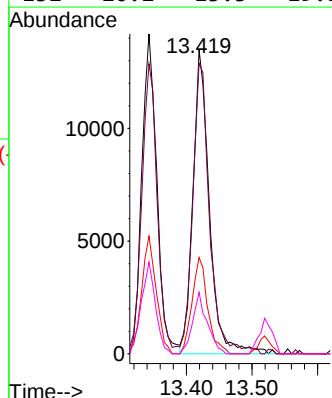
Ion Ratio Lower Upper

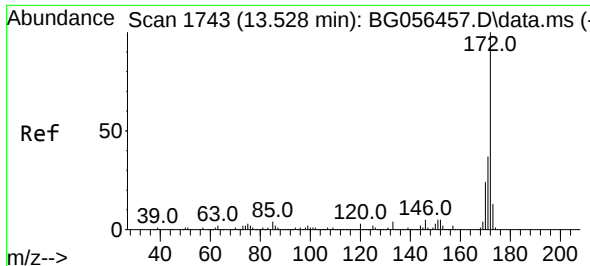
196 100

198 95.6 76.9 115.3

97 31.7 25.8 38.6

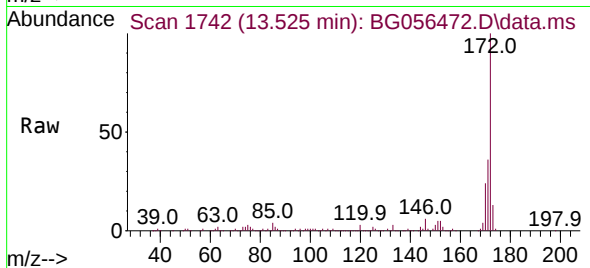
132 20.2 13.3 19.9#





#45
2-Fluorobiphenyl
Concen: 74.714 ng
RT: 13.525 min Scan# 1742
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

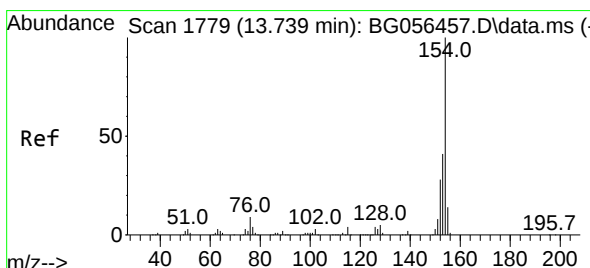
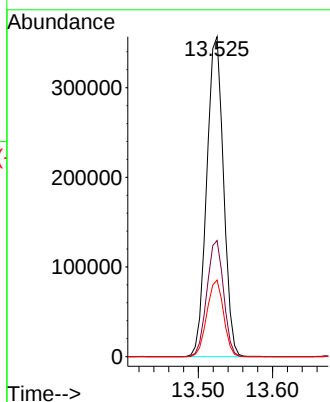
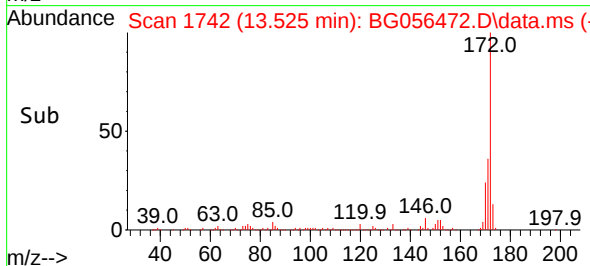
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



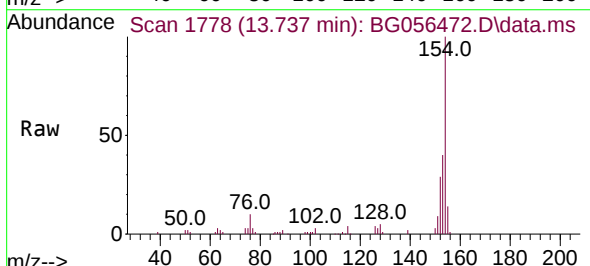
Tgt Ion:172 Resp: 559417
Ion Ratio Lower Upper
172 100
171 36.3 29.5 44.3
170 24.0 19.2 28.8

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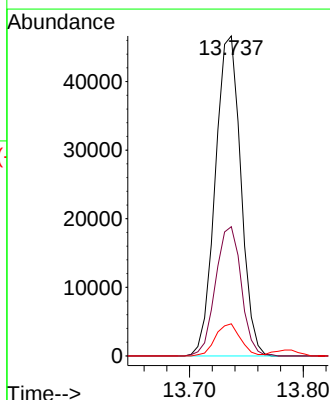
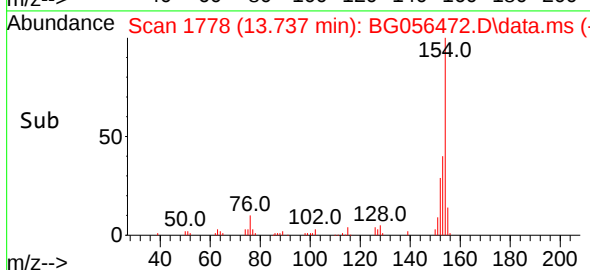
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

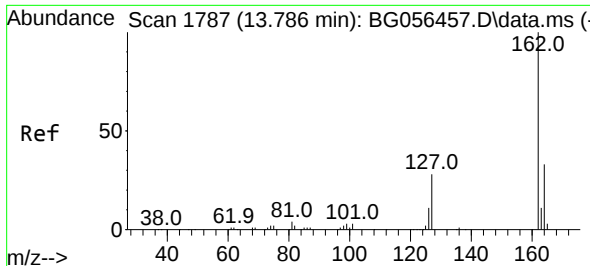


#46
1,1'-Biphenyl
Concen: 9.649 ng
RT: 13.737 min Scan# 1778
Delta R.T. -0.002 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



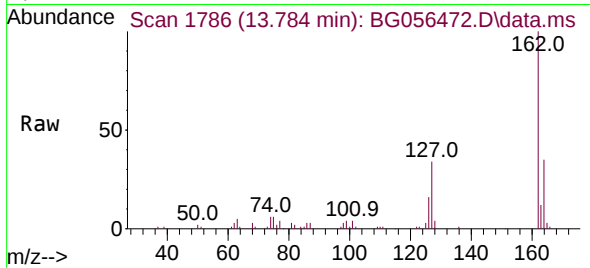
Tgt Ion:154 Resp: 72650
Ion Ratio Lower Upper
154 100
153 40.4 21.5 61.5
76 10.0 0.0 28.8





#47
2-Chloronaphthalene
Concen: 9.613 ng
RT: 13.784 min Scan# 1787
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

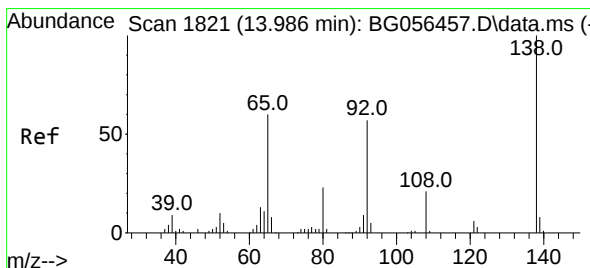
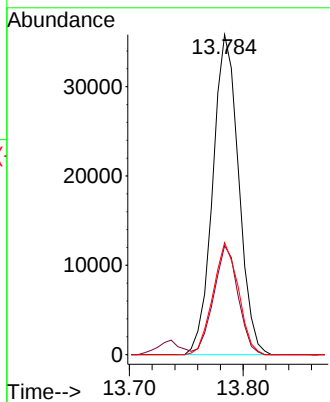
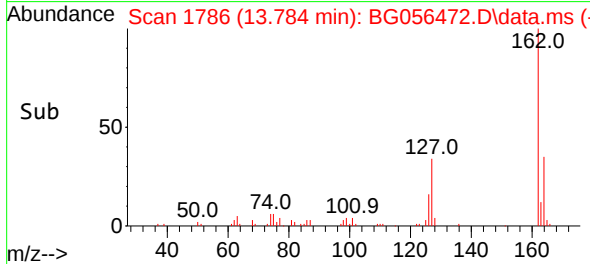
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:162 Resp: 56572
Ion Ratio Lower Upper
162 100
127 34.0 25.2 37.8
164 35.0 26.2 39.2

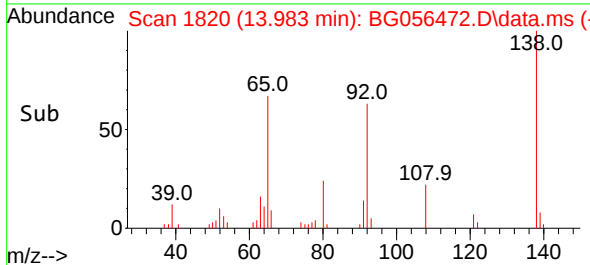
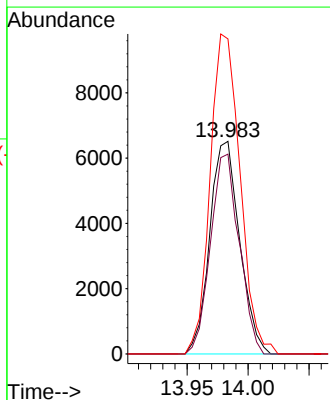
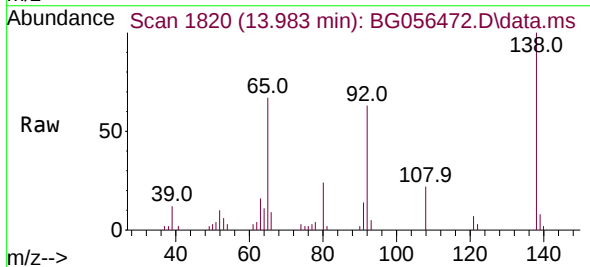
Manual Integrations
APPROVED

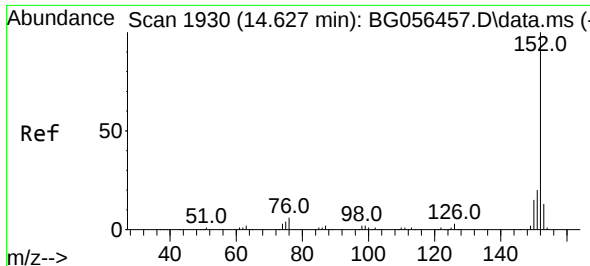
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#48
2-Nitroaniline
Concen: 9.133 ng
RT: 13.983 min Scan# 1820
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

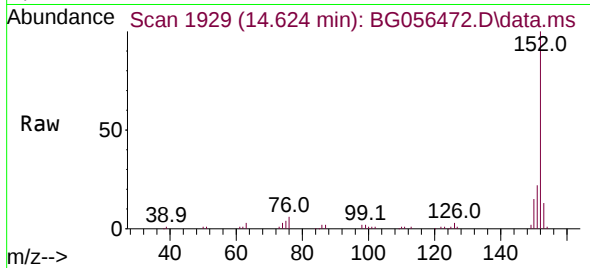
Tgt Ion: 65 Resp: 11112
Ion Ratio Lower Upper
65 100
92 94.0 75.8 113.6
138 148.2 133.2 199.8





#49
Acenaphthylene
Concen: 9.353 ng
RT: 14.624 min Scan# 1930
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

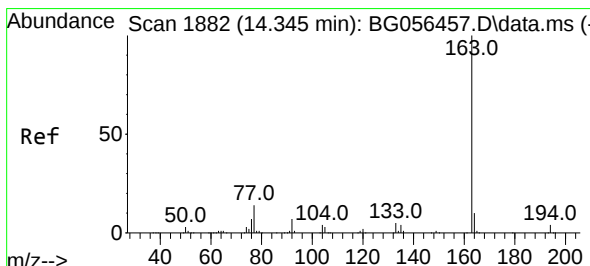
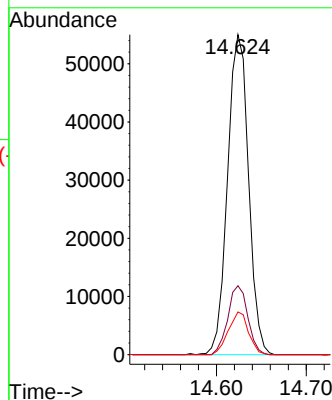
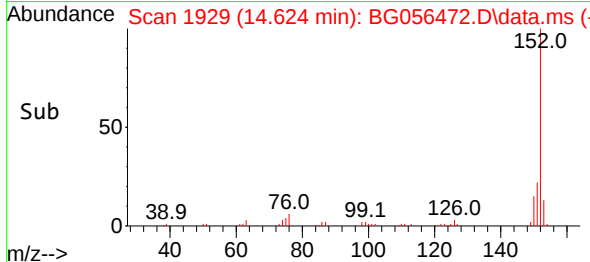
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



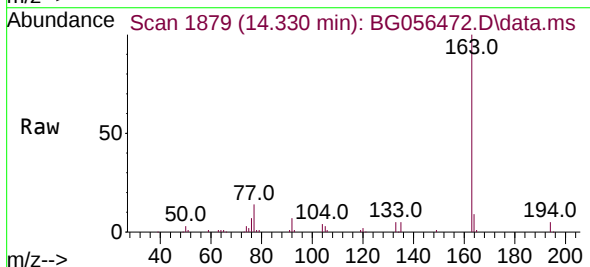
Tgt Ion:152 Resp: 89558
Ion Ratio Lower Upper
152 100
151 21.5 15.9 23.9
153 13.3 10.5 15.7

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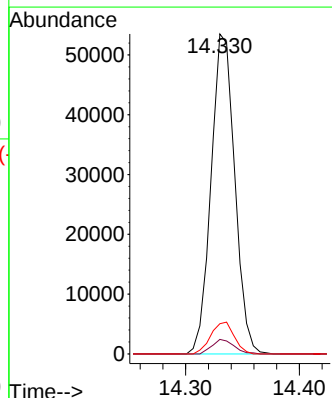
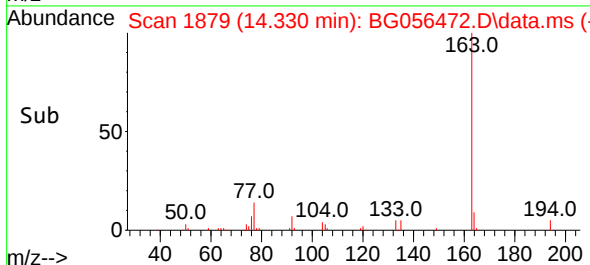
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

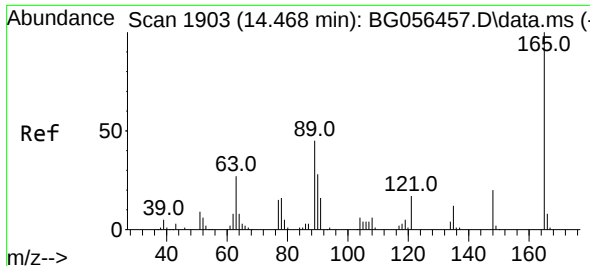


#50
Dimethylphthalate
Concen: 9.225 ng
RT: 14.330 min Scan# 1879
Delta R.T. -0.015 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



Tgt Ion:163 Resp: 77474
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 9.4 8.1 12.1





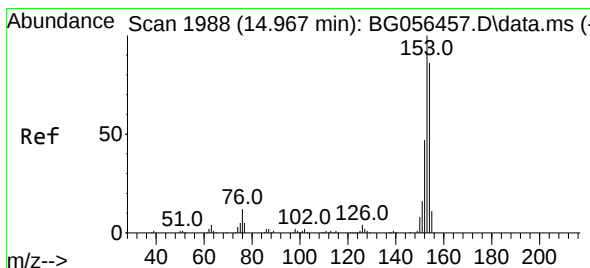
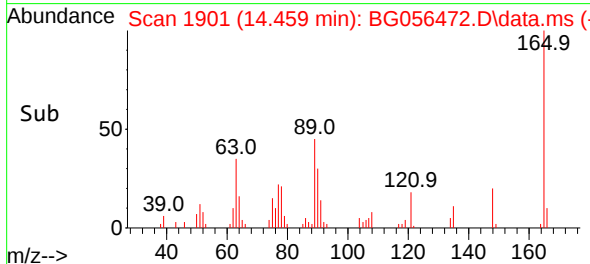
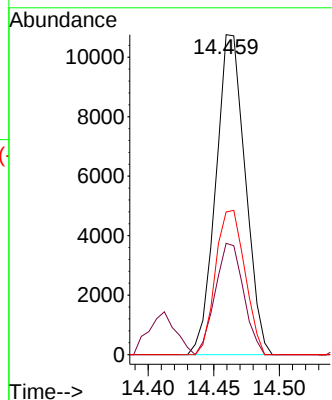
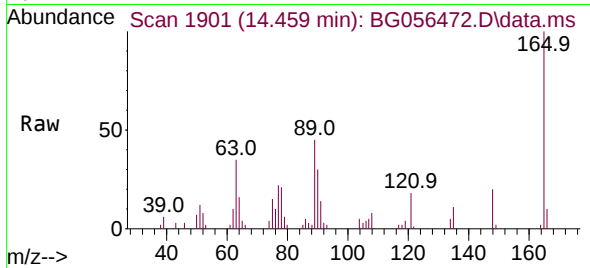
#51
2,6-Dinitrotoluene
Concen: 9.187 ng
RT: 14.459 min Scan# 1901
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:165 Resp: 16825
Ion Ratio Lower Upper
165 100
63 34.8 26.9 40.3
89 44.6 35.6 53.4

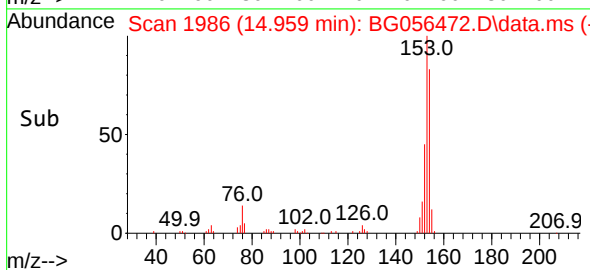
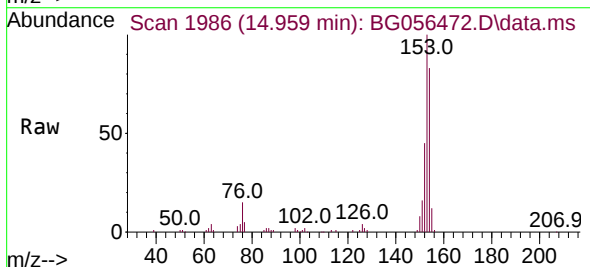
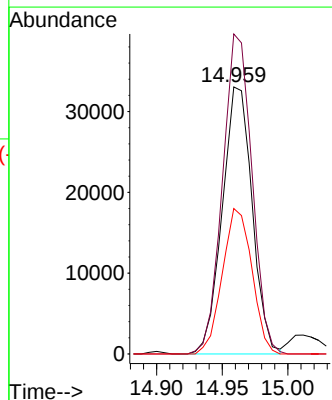
Manual Integrations
APPROVED

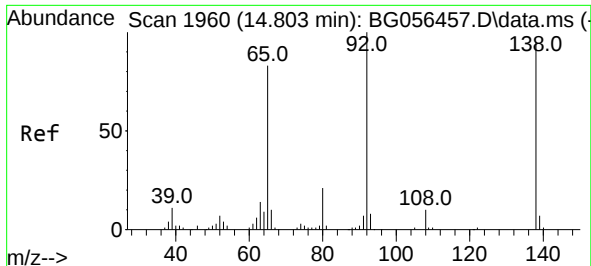
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#52
Acenaphthene
Concen: 9.227 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

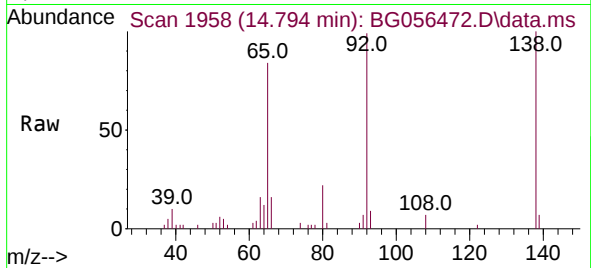
Tgt Ion:154 Resp: 52390
Ion Ratio Lower Upper
154 100
153 119.9 93.4 140.0
152 54.5 43.4 65.2





#53
3-Nitroaniline
Concen: 8.832 ng
RT: 14.794 min Scan# 1958
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

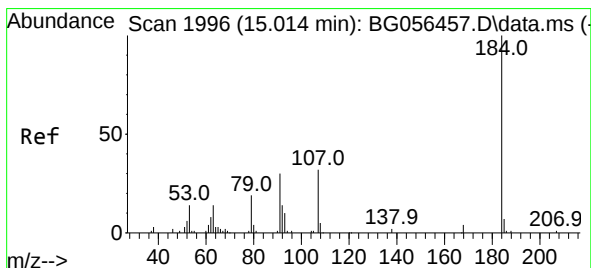
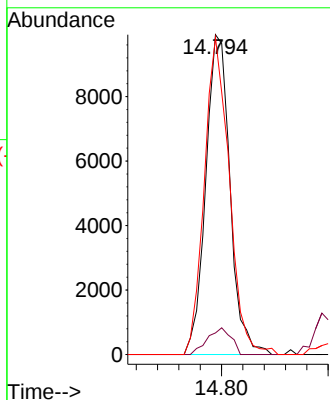
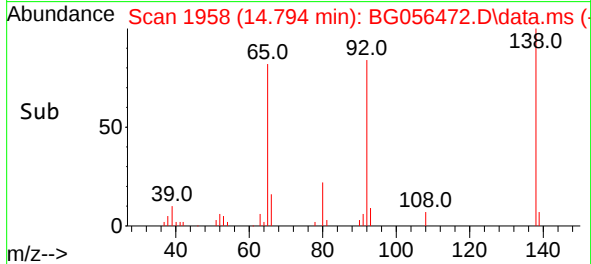
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



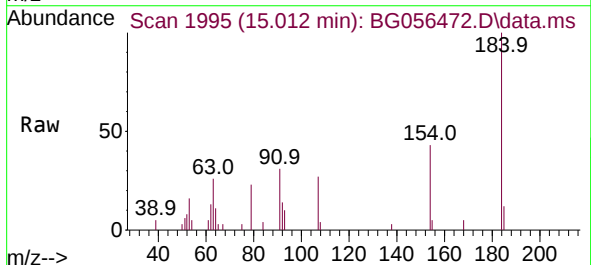
Tgt Ion:138 Resp: 15682
Ion Ratio Lower Upper
138 100
108 6.8 8.0 12.0
92 99.1 84.1 126.1

Manual Integrations
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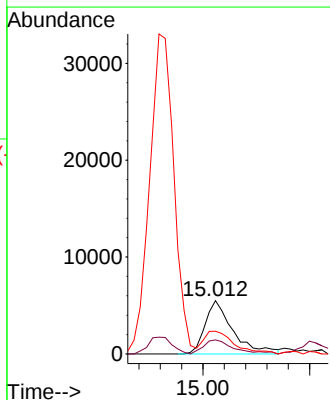
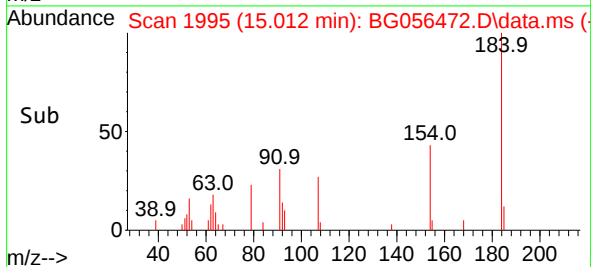
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

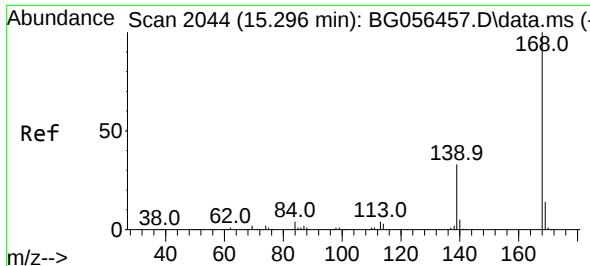


#54
2,4-Dinitrophenol
Concen: 8.608 ng
RT: 15.012 min Scan# 1995
Delta R.T. -0.002 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



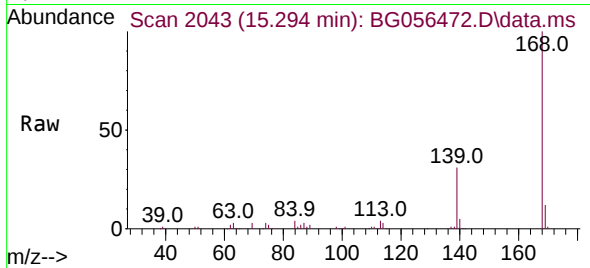
Tgt Ion:184 Resp: 9884
Ion Ratio Lower Upper
184 100
63 26.4 25.1 37.7
154 42.5 44.8 67.2#





#55
Dibenzofuran
Concen: 9.488 ng
RT: 15.294 min Scan# 2044
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

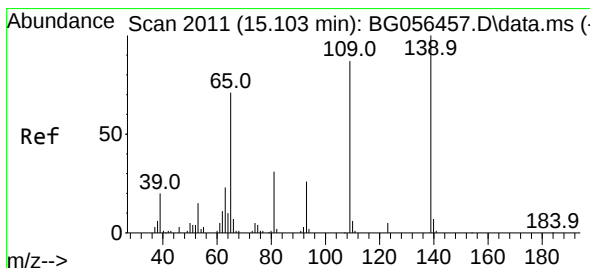
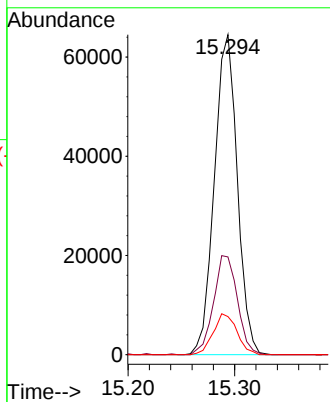
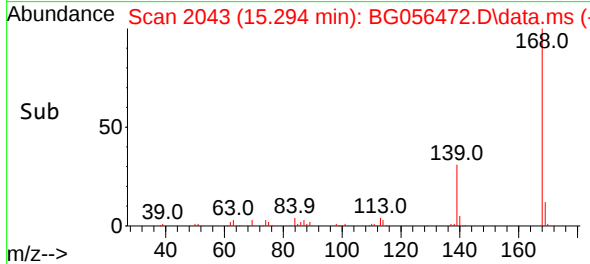
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:168 Resp: 96619
Ion Ratio Lower Upper
168 100
139 30.5 26.2 39.2
169 11.9 11.0 16.6

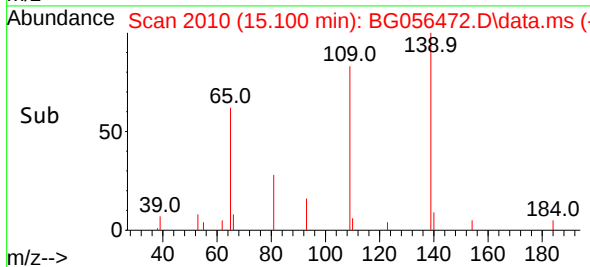
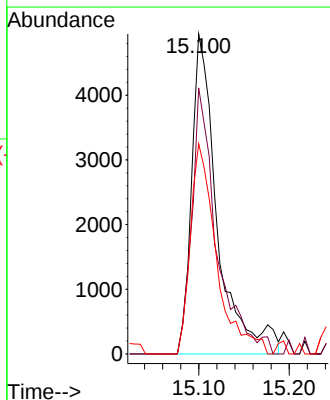
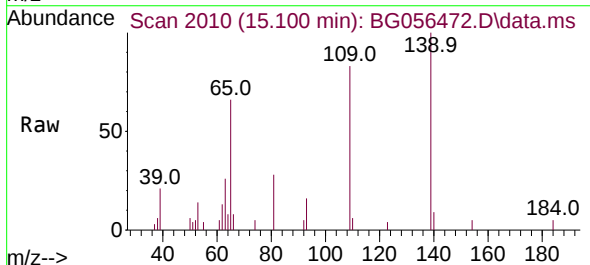
Manual Integrations
APPROVED

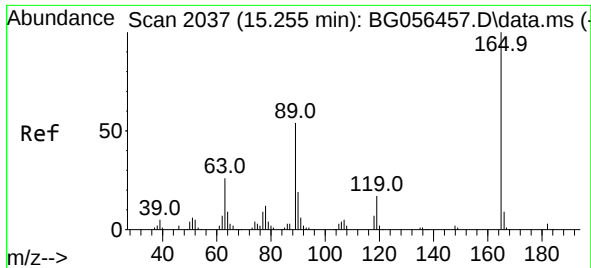
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#56
4-Nitrophenol
Concen: 8.045 ng m
RT: 15.100 min Scan# 2010
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

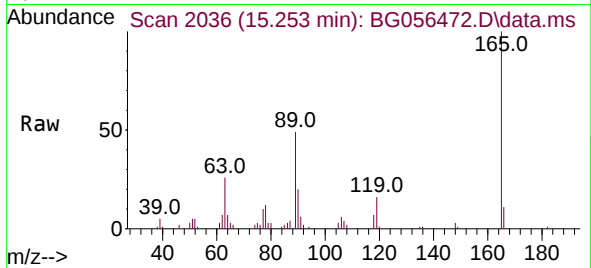
Tgt Ion:139 Resp: 9760
Ion Ratio Lower Upper
139 100
109 83.1 67.5 107.5
65 65.7 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 9.051 ng
RT: 15.253 min Scan# 2037
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

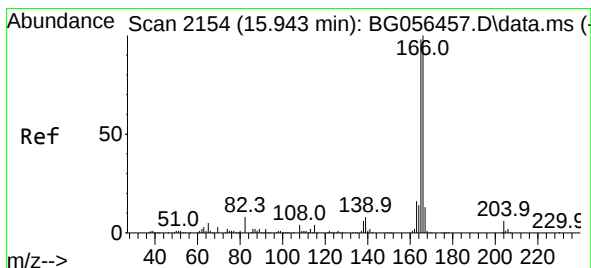
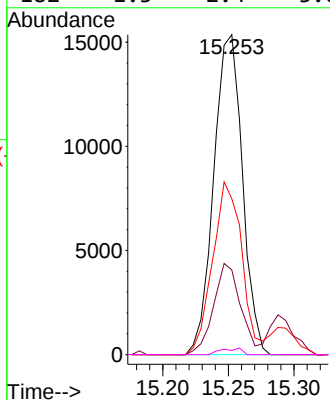
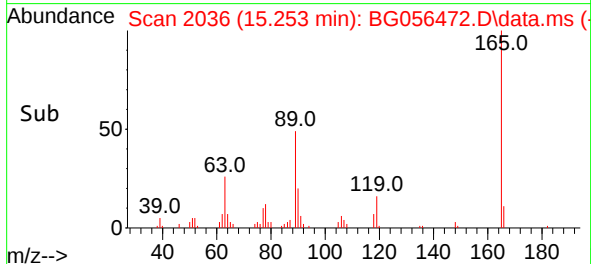
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



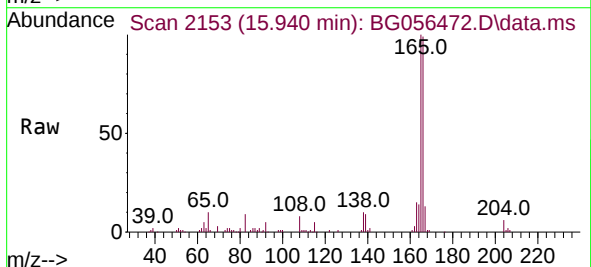
Tgt Ion:165 Resp: 23350
Ion Ratio Lower Upper
165 100
63 26.5 20.6 31.0
89 48.7 43.1 64.7
182 1.3 2.4 3.6#

Manual Integrations
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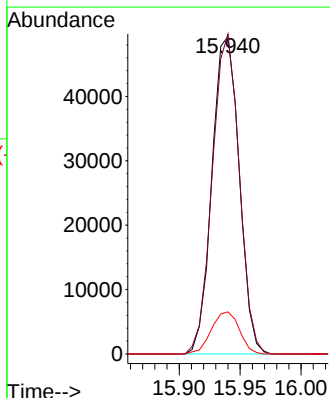
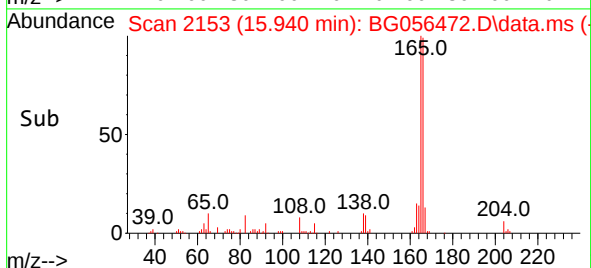
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

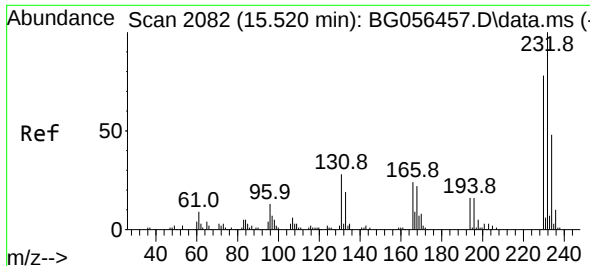


#58
Fluorene
Concen: 9.441 ng
RT: 15.940 min Scan# 2153
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



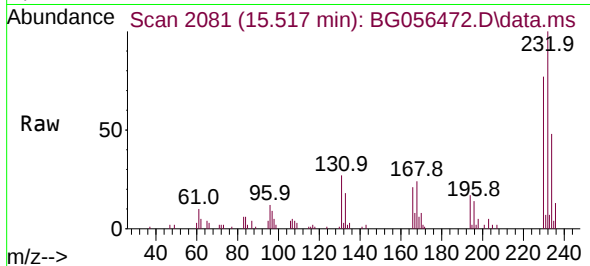
Tgt Ion:166 Resp: 76503
Ion Ratio Lower Upper
166 100
165 100.8 78.8 118.2
167 13.2 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.536 ng
RT: 15.517 min Scan# 2081
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

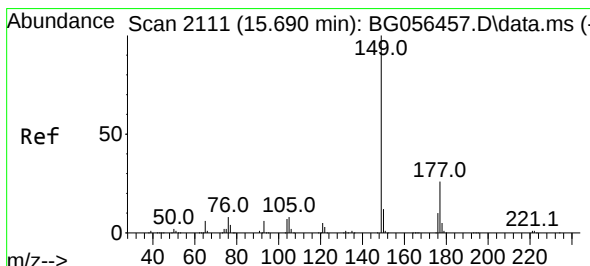
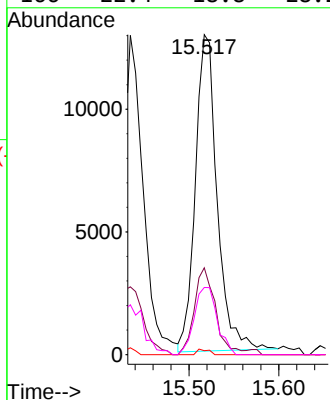
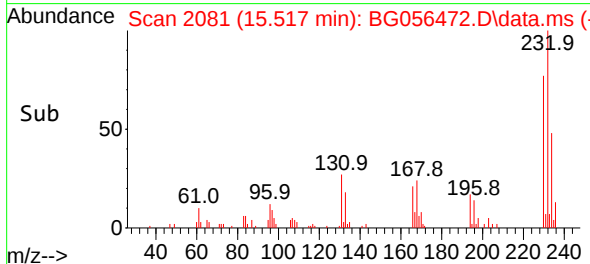
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:232 Resp: 21716
Ion Ratio Lower Upper
232 100
131 27.3 22.8 34.2
130 0.9 1.4 2.0
166 22.4 18.8 28.2

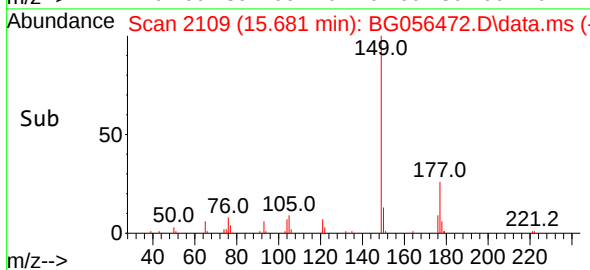
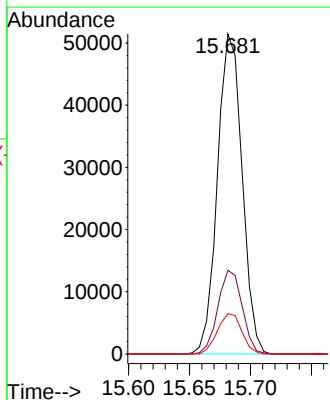
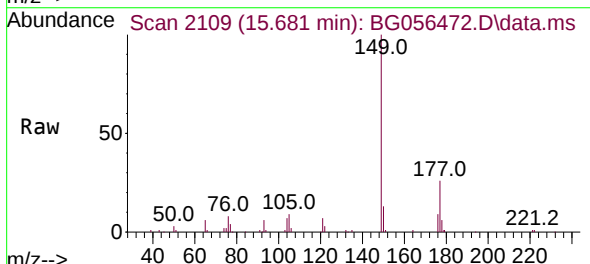
Manual Integrations
APPROVED

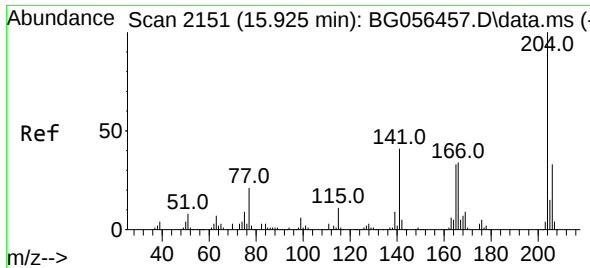
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#60
Diethylphthalate
Concen: 9.169 ng
RT: 15.681 min Scan# 2109
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:149 Resp: 72308
Ion Ratio Lower Upper
149 100
177 26.1 21.0 31.4
150 12.6 9.9 14.9





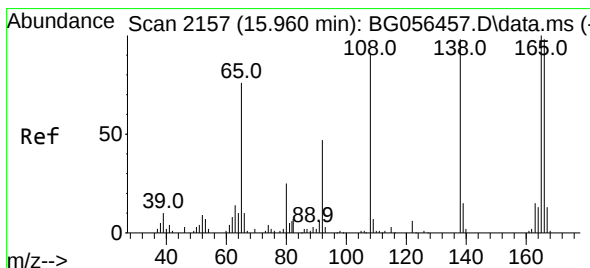
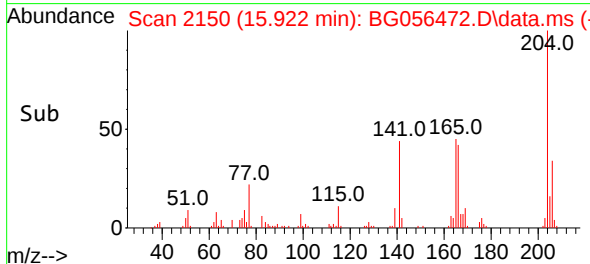
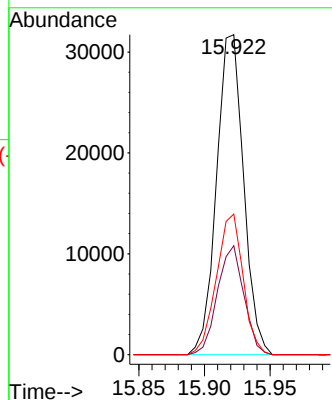
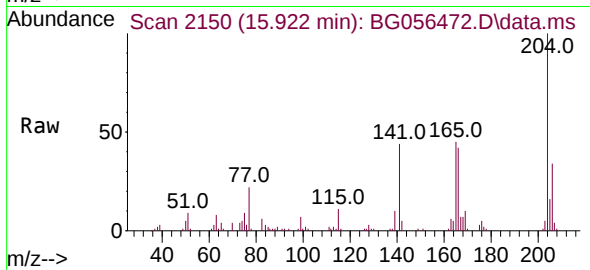
#61
4-Chlorophenyl-phenylether
Concen: 9.217 ng
RT: 15.922 min Scan# 2151
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:204 Resp: 45573
Ion Ratio Lower Upper
204 100
206 34.0 26.2 39.4
141 43.9 32.7 49.1

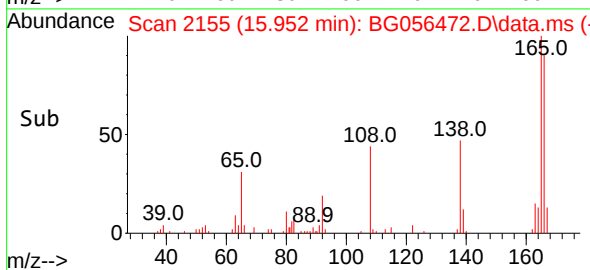
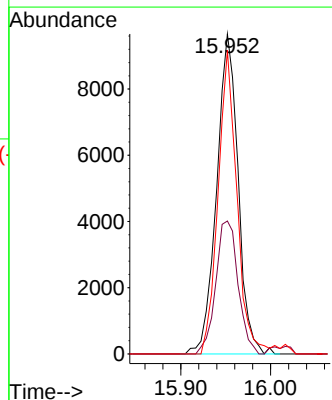
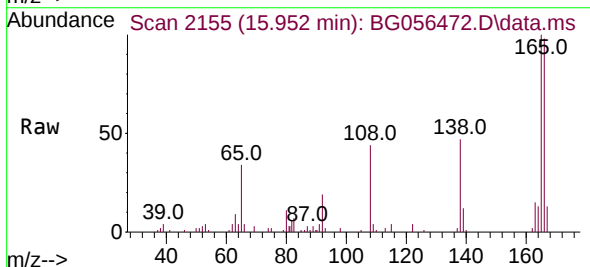
Manual Integrations
APPROVED

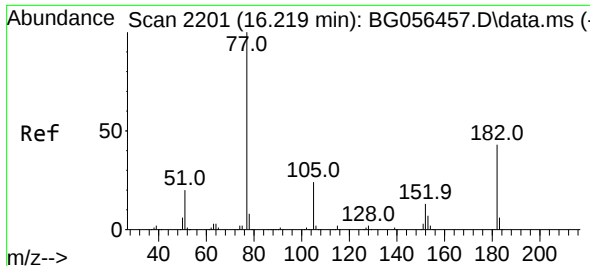
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#62
4-Nitroaniline
Concen: 9.054 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

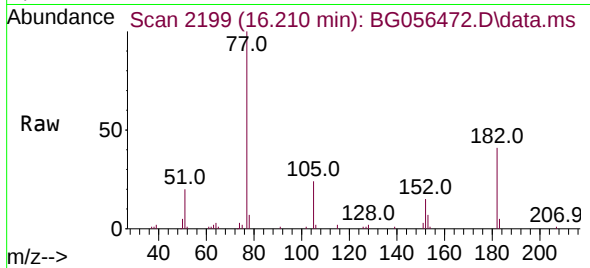
Tgt Ion:138 Resp: 16086
Ion Ratio Lower Upper
138 100
92 41.5 27.8 67.8
108 94.9 72.6 112.6





#63
Azobenzene
Concen: 9.440 ng
RT: 16.210 min Scan# 2199
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

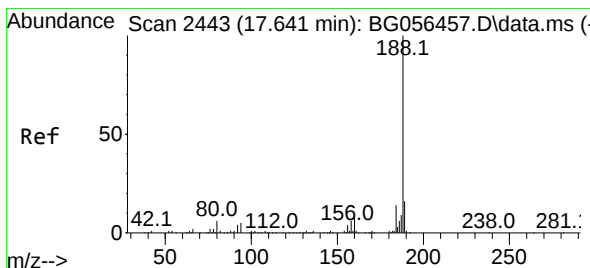
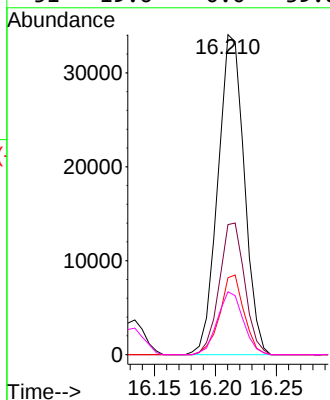
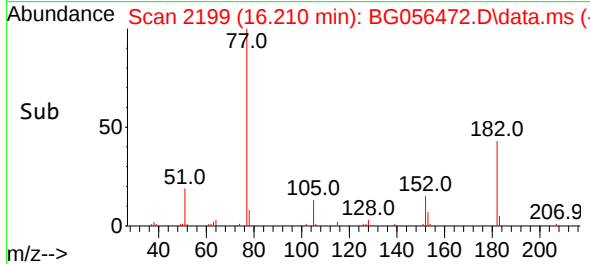
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



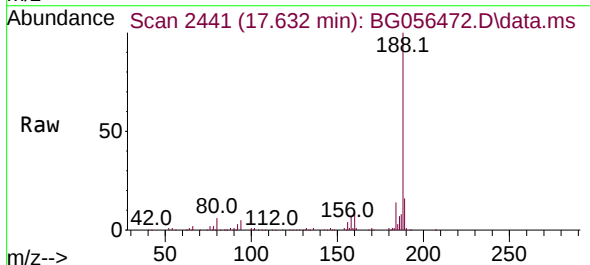
Tgt Ion: 77 Resp: 51226
Ion Ratio Lower Upper
77 100
182 40.7 23.1 63.1
105 24.0 4.2 44.2
51 19.6 0.0 39.8

Manual Integrations
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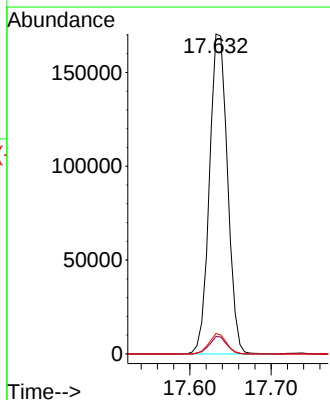
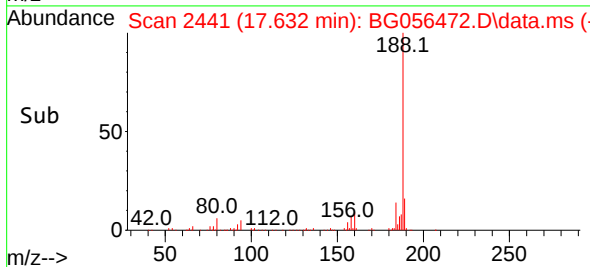
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

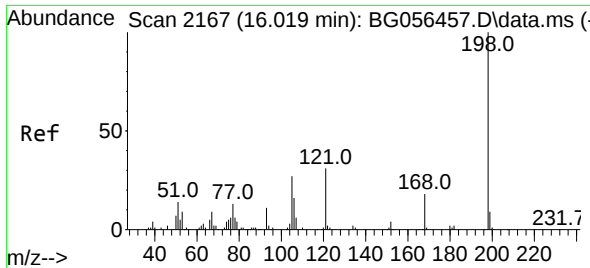


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



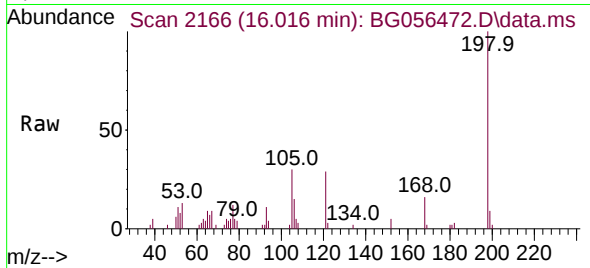
Tgt Ion:188 Resp: 263616
Ion Ratio Lower Upper
188 100
94 5.4 4.1 6.1
80 6.4 5.0 7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 9.957 ng
RT: 16.016 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

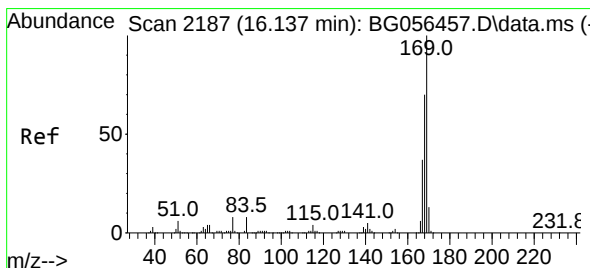
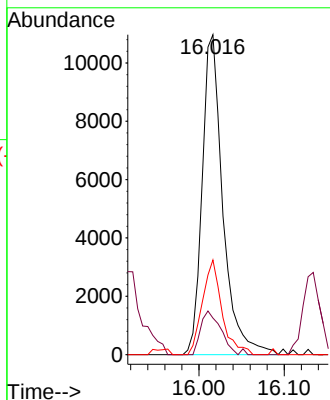
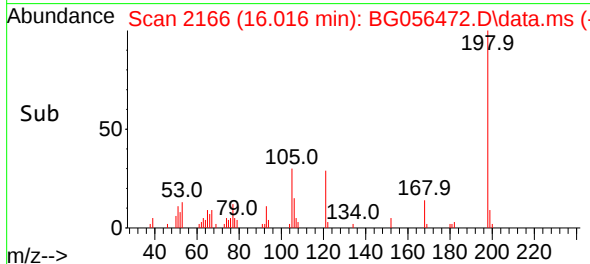
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



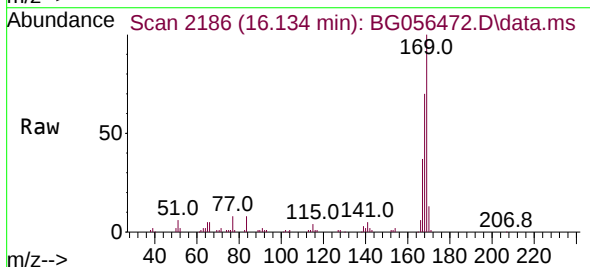
Tgt Ion:198 Resp: 18453
Ion Ratio Lower Upper
198 100
51 11.4 0.0 35.0
105 29.6 7.4 47.4

Manual Integrations
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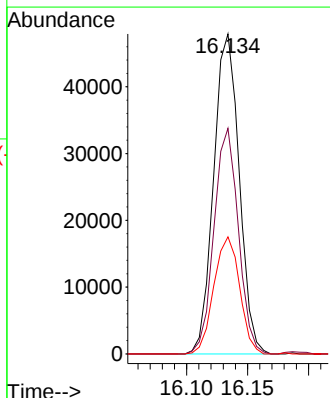
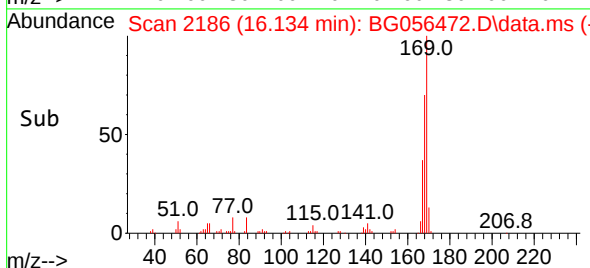
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

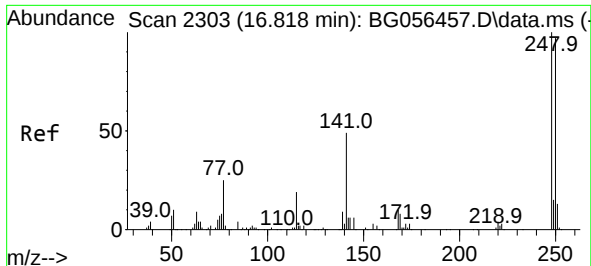


#66
n-Nitrosodiphenylamine
Concen: 9.341 ng
RT: 16.134 min Scan# 2186
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



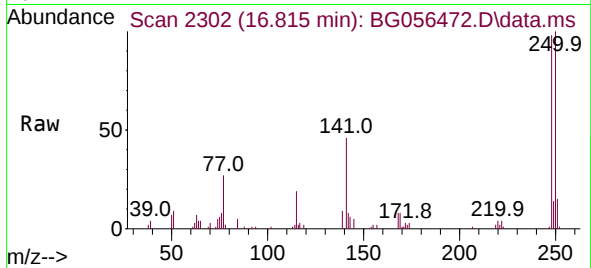
Tgt Ion:169 Resp: 69721
Ion Ratio Lower Upper
169 100
168 70.5 55.8 83.6
167 36.6 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 9.236 ng
RT: 16.815 min Scan# 2303
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

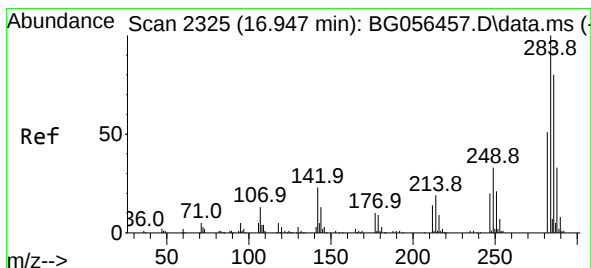
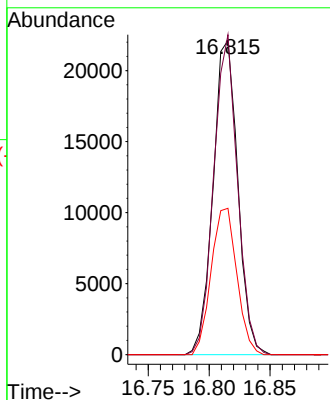
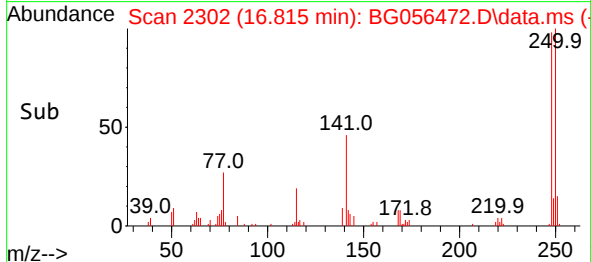
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



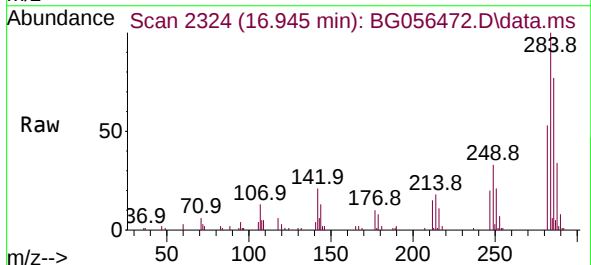
Tgt Ion:248 Resp: 31169
Ion Ratio Lower Upper
248 100
250 101.9 77.6 116.4
141 46.6 39.0 58.4

Manual Integrations
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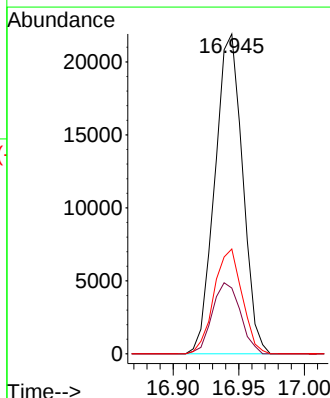
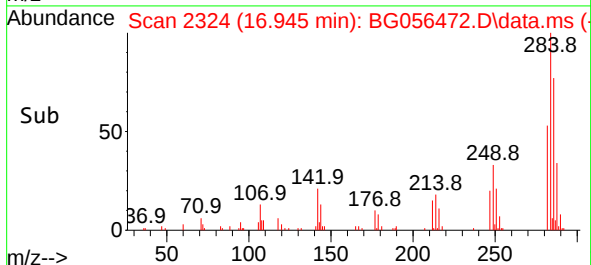
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

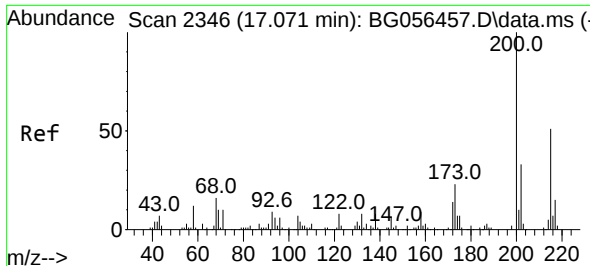


#68
Hexachlorobenzene
Concen: 9.737 ng
RT: 16.945 min Scan# 2324
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



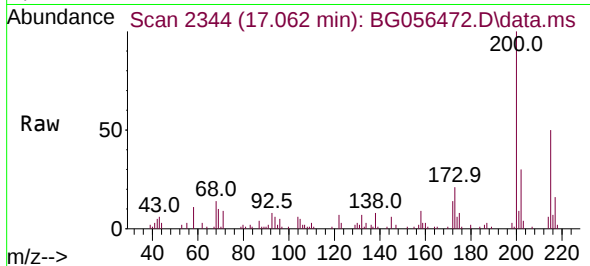
Tgt Ion:284 Resp: 32185
Ion Ratio Lower Upper
284 100
142 20.6 18.0 27.0
249 32.8 26.7 40.1





#69
 Atrazine
 Concen: 10.476 ng
 RT: 17.062 min Scan# 2344
 Delta R.T. -0.009 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22

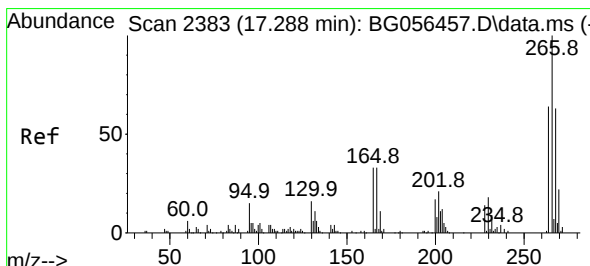
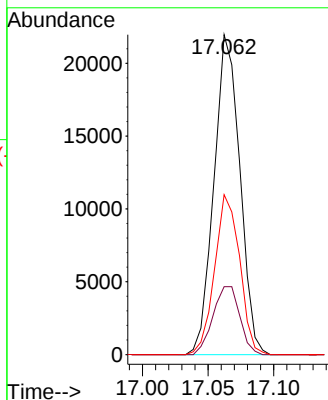
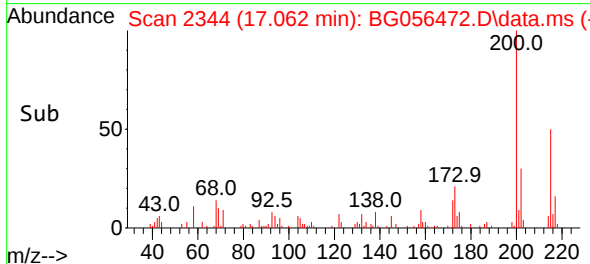
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



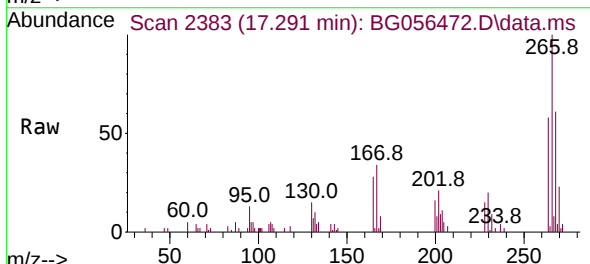
Tgt Ion:200 Resp: 30164
 Ion Ratio Lower Upper
 200 100
 173 21.2 3.2 43.2
 215 50.0 30.7 70.7

Manual Integrations
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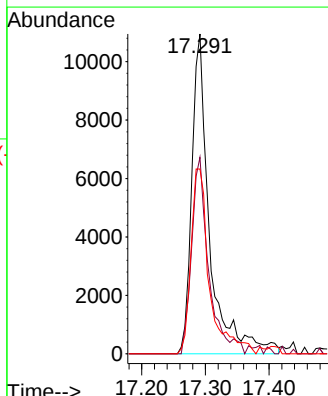
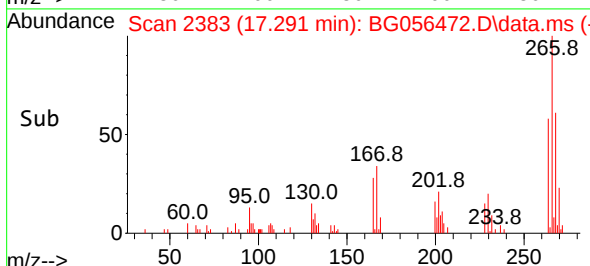
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

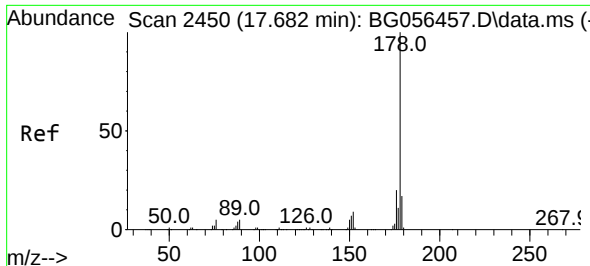


#70
 Pentachlorophenol
 Concen: 10.674 ng m
 RT: 17.291 min Scan# 2383
 Delta R.T. 0.003 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22



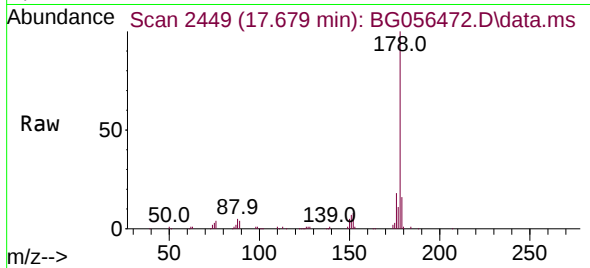
Tgt Ion:266 Resp: 21348
 Ion Ratio Lower Upper
 266 100
 268 61.4 50.2 75.4
 264 57.8 51.4 77.0





#71
Phenanthrene
Concen: 9.320 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

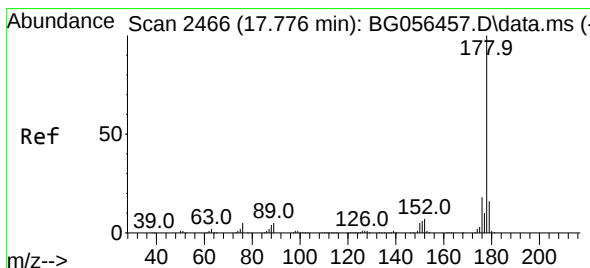
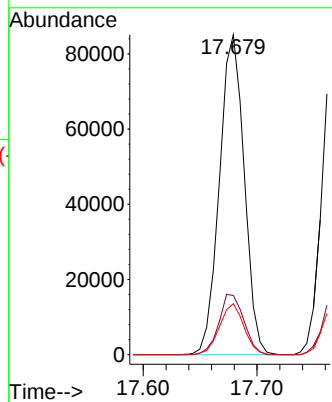
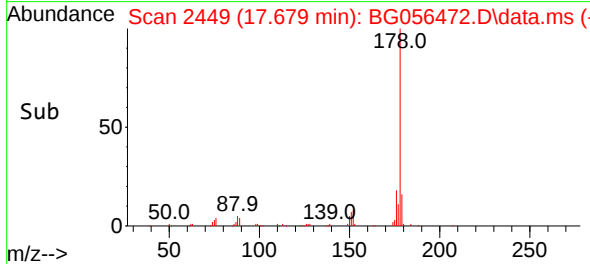
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:178 Resp: 128594
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.9 13.3 19.9

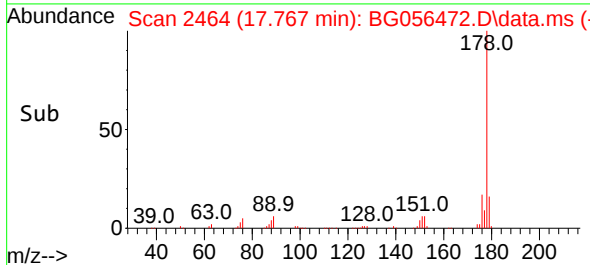
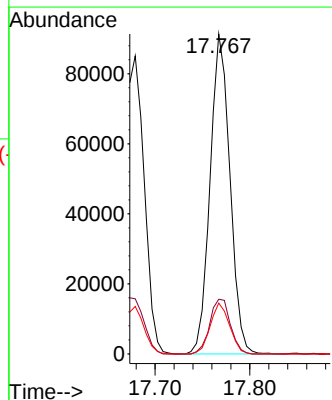
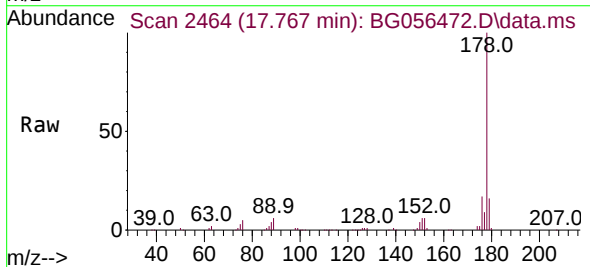
Manual Integrations
APPROVED

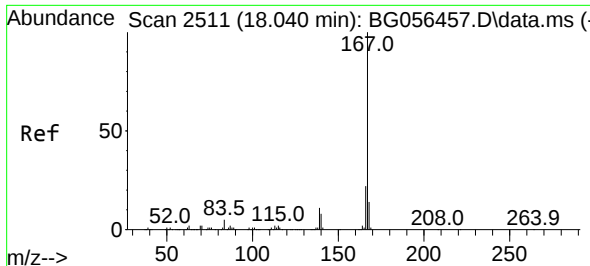
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#72
Anthracene
Concen: 9.394 ng
RT: 17.767 min Scan# 2464
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

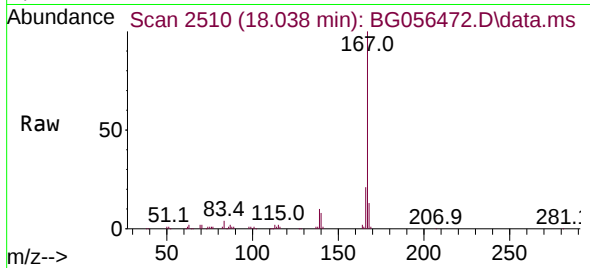
Tgt Ion:178 Resp: 133044
Ion Ratio Lower Upper
178 100
176 17.1 14.5 21.7
179 15.9 12.5 18.7





#73
 Carbazole
 Concen: 9.624 ng
 RT: 18.038 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22

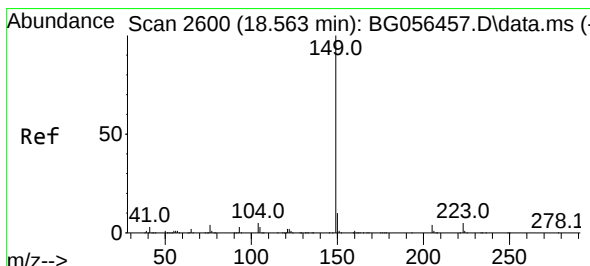
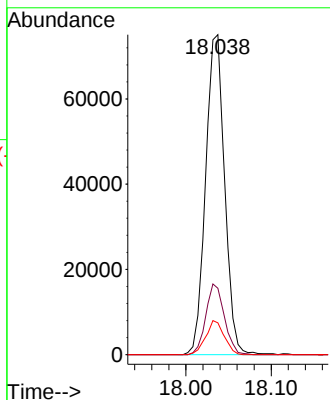
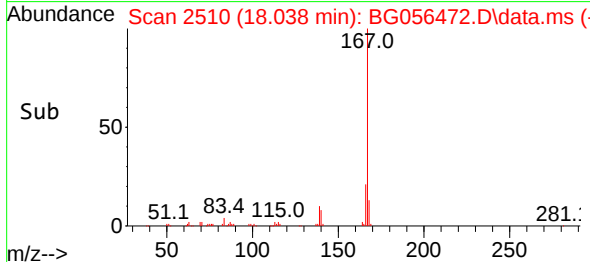
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



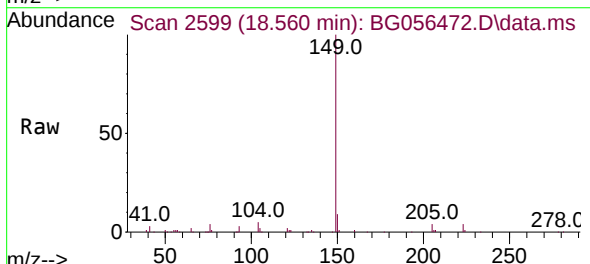
Tgt Ion:167 Resp: 11608
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.8 26.6
 139 9.9 8.9 13.3

Manual Integrations
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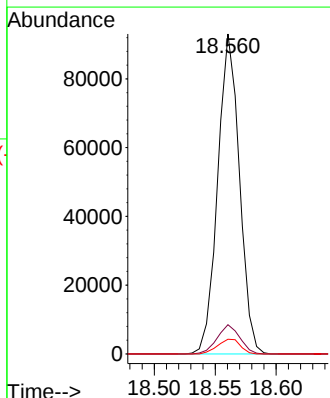
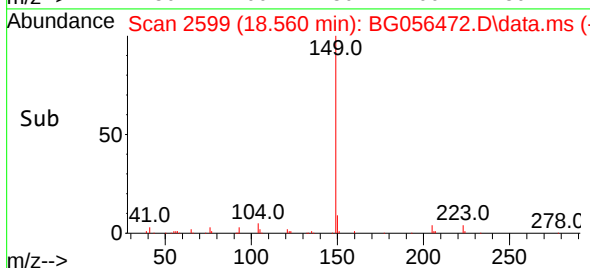
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

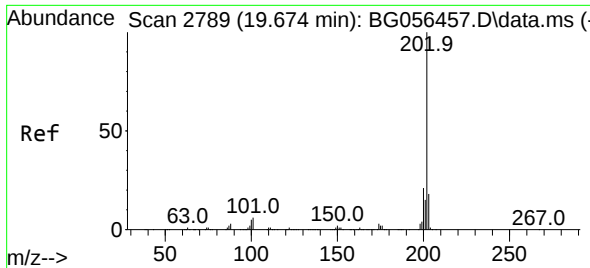


#74
 Di-n-butylphthalate
 Concen: 9.105 ng
 RT: 18.560 min Scan# 2599
 Delta R.T. -0.003 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22



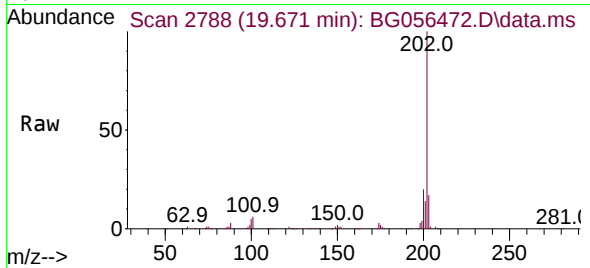
Tgt Ion:149 Resp: 115324
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.8 11.6
 104 4.6 4.0 6.0





#75
Fluoranthene
Concen: 9.511 ng
RT: 19.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

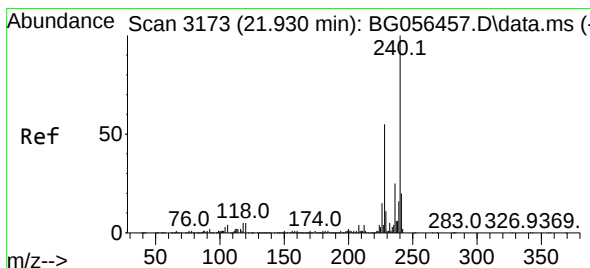
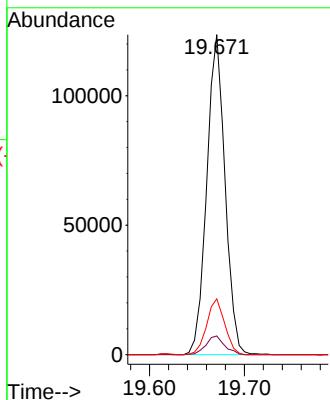
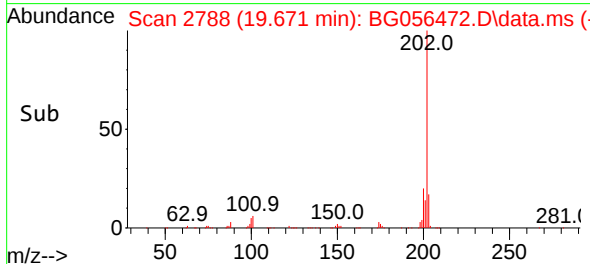
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:202 Resp: 165629
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 17.4 0.0 38.1

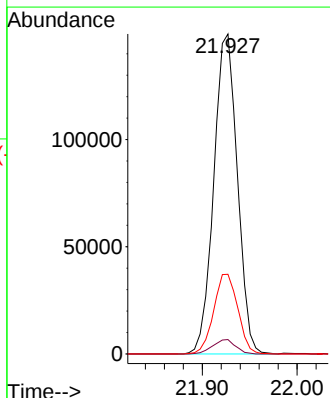
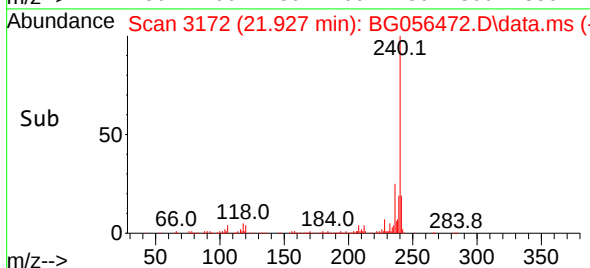
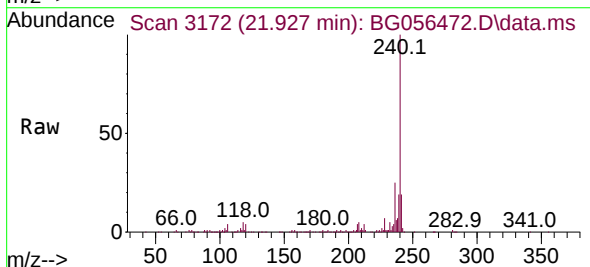
Manual Integrations
APPROVED

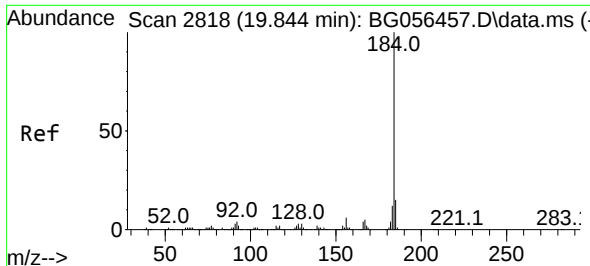
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

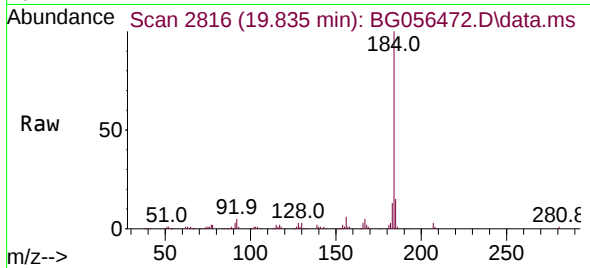
Tgt Ion:240 Resp: 257613
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 24.9 20.2 30.2





#77
Benzidine
Concen: 12.951 ng
RT: 19.835 min Scan# 2816
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

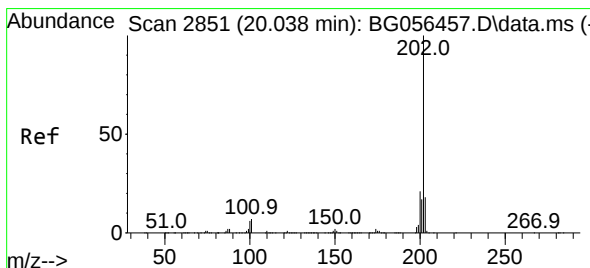
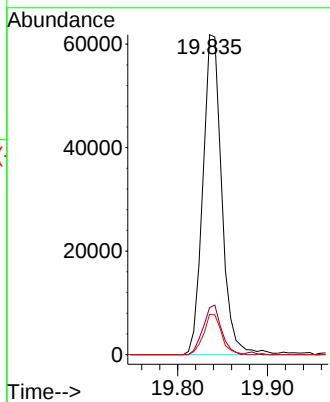
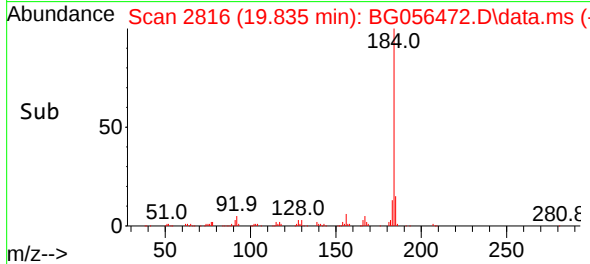
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



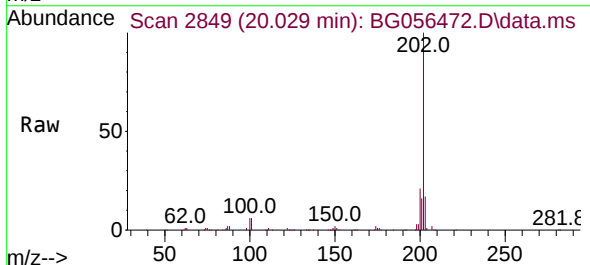
Tgt Ion:184 Resp: 90287
Ion Ratio Lower Upper
184 100
185 14.7 12.3 18.5
183 12.6 9.8 14.8

Manual Integrations
APPROVED

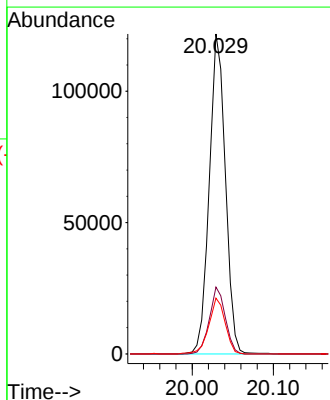
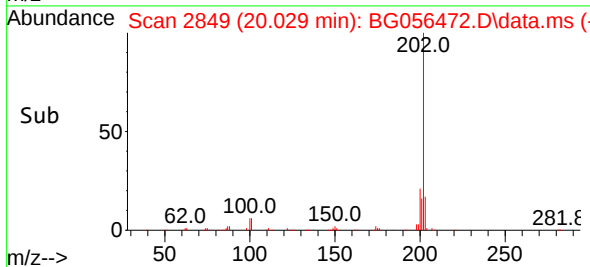
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

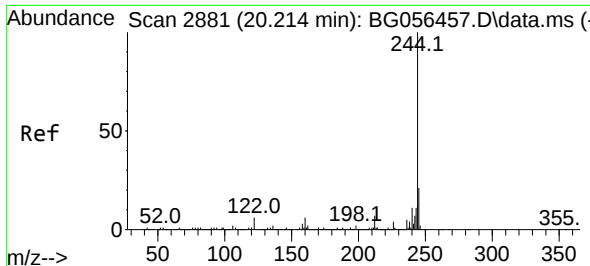


#78
Pyrene
Concen: 9.179 ng
RT: 20.029 min Scan# 2849
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22



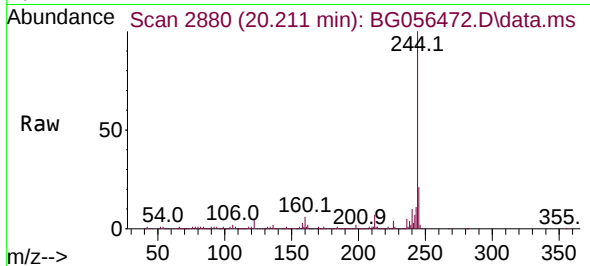
Tgt Ion:202 Resp: 168170
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.5 14.4 21.6





#79
 Terphenyl-d14
 Concen: 71.432 ng
 RT: 20.211 min Scan# 2880
 Delta R.T. -0.003 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22

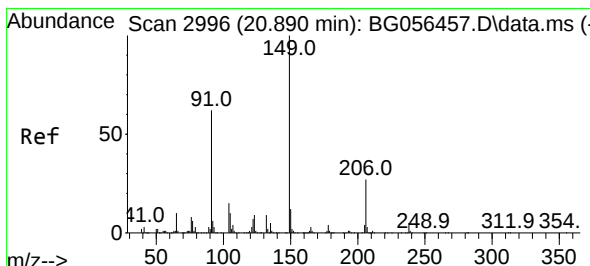
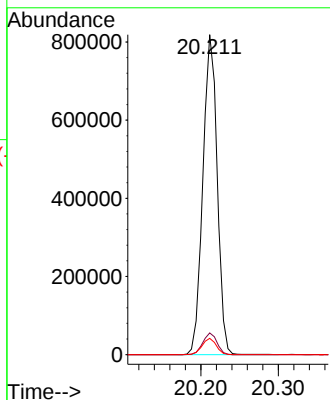
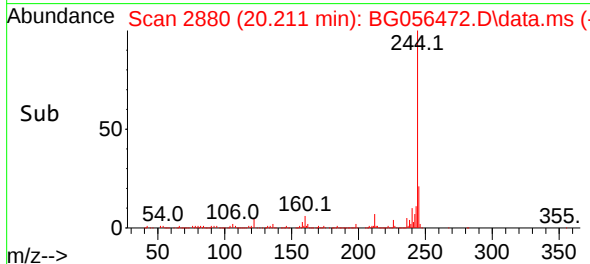
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:244 Resp: 1047719
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.1 4.4 6.6

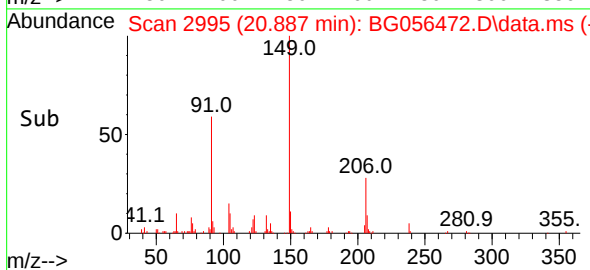
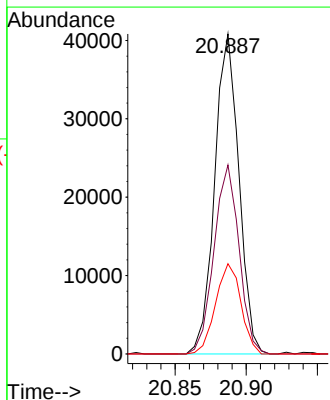
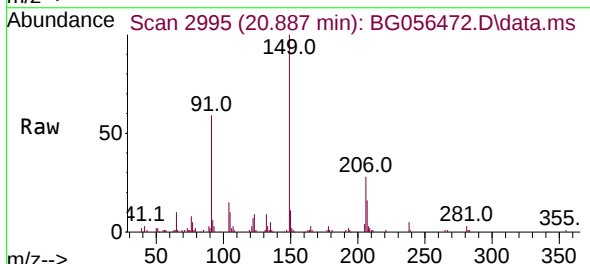
Manual Integrations
 APPROVED

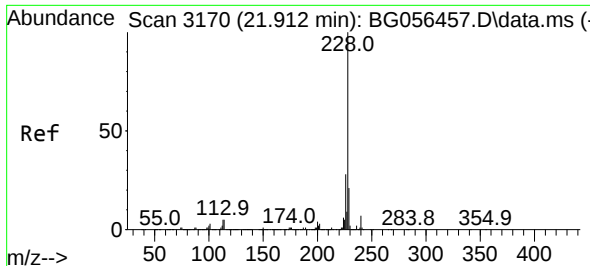
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#80
 Butylbenzylphthalate
 Concen: 8.648 ng
 RT: 20.887 min Scan# 2995
 Delta R.T. -0.003 min
 Lab File: BG056472.D
 Acq: 30 Jan 2023 16:22

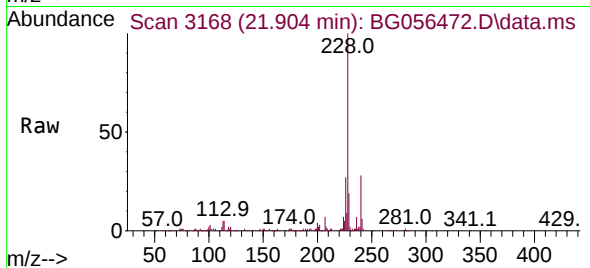
Tgt Ion:149 Resp: 48391
 Ion Ratio Lower Upper
 149 100
 91 59.0 49.4 74.0
 206 28.2 22.0 33.0





#81
Benzo(a)anthracene
Concen: 9.285 ng
RT: 21.904 min Scan# 3170
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

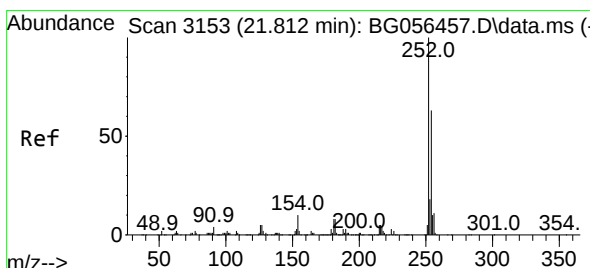
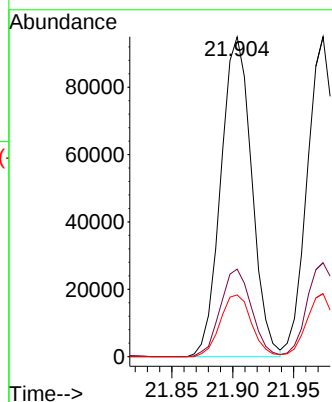
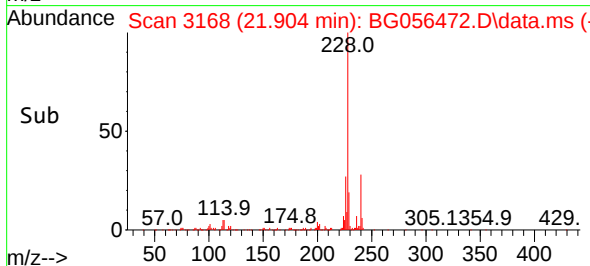
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:228 Resp: 167215
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 19.3 16.5 24.7

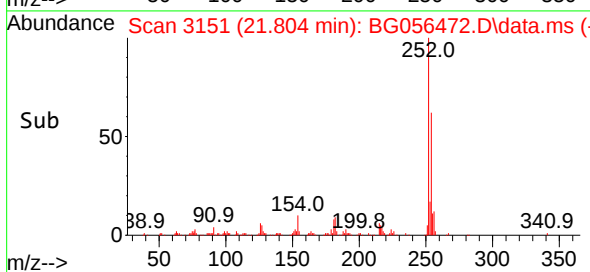
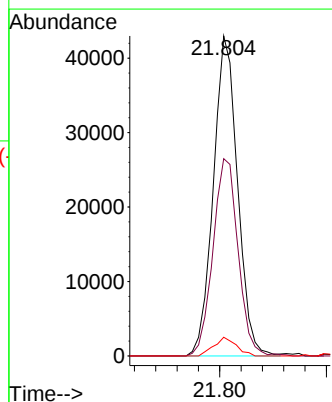
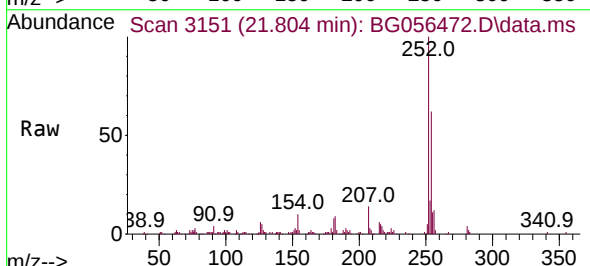
Manual Integrations
APPROVED

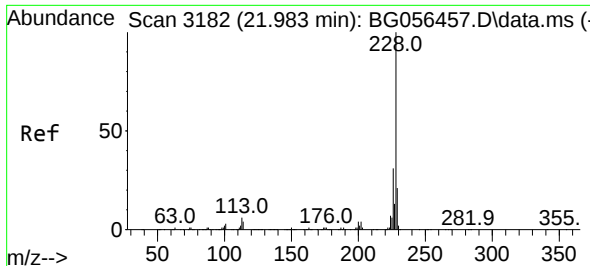
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#82
3,3'-Dichlorobenzidine
Concen: 10.459 ng
RT: 21.804 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

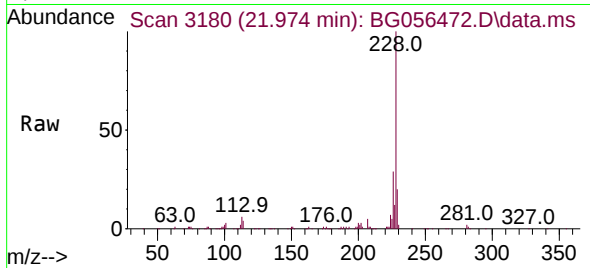
Tgt Ion:252 Resp: 67833
Ion Ratio Lower Upper
252 100
254 61.6 50.0 75.0
126 5.8 4.3 6.5





#83
Chrysene
Concen: 9.311 ng
RT: 21.974 min Scan# 3182
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

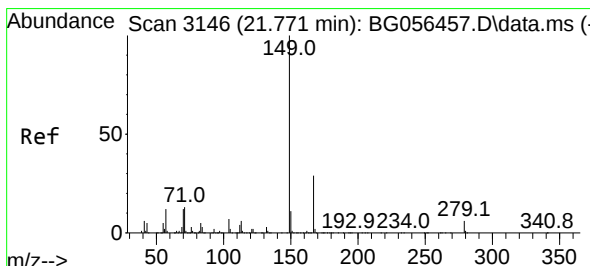
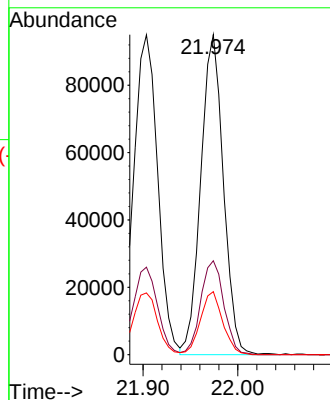
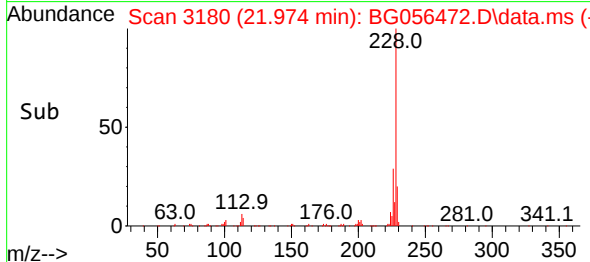
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:228 Resp: 157552
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.4
229 19.7 16.4 24.6

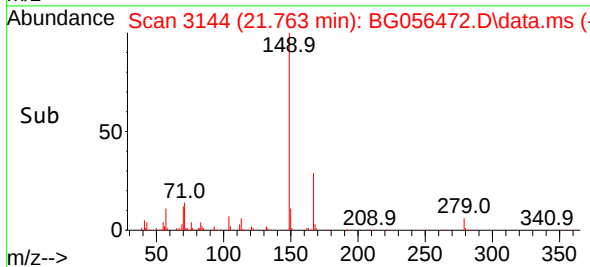
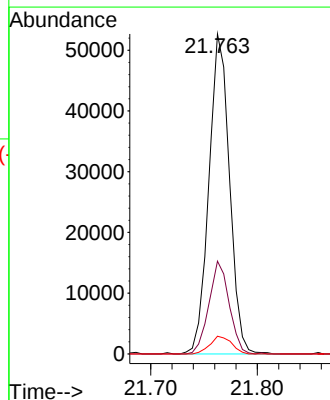
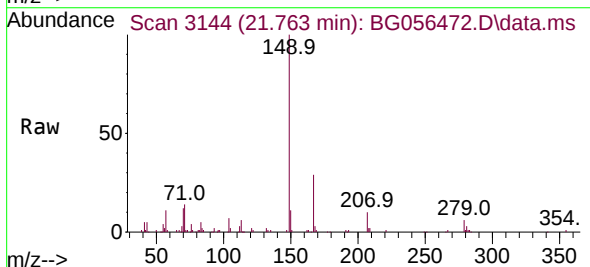
Manual Integrations
APPROVED

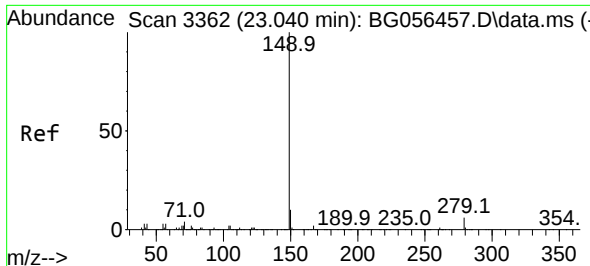
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.808 ng
RT: 21.763 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

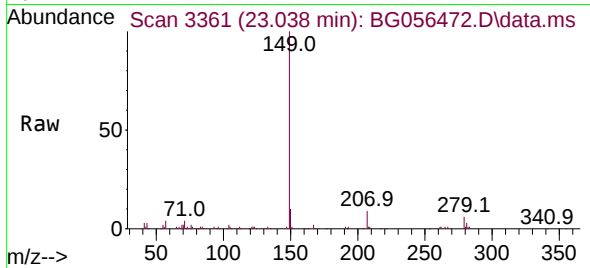
Tgt Ion:149 Resp: 70661
Ion Ratio Lower Upper
149 100
167 29.0 23.4 35.2
279 5.5 4.4 6.6





#85
Di-n-octyl phthalate
Concen: 8.892 ng
RT: 23.038 min Scan# 3362
Delta R.T. -0.003 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

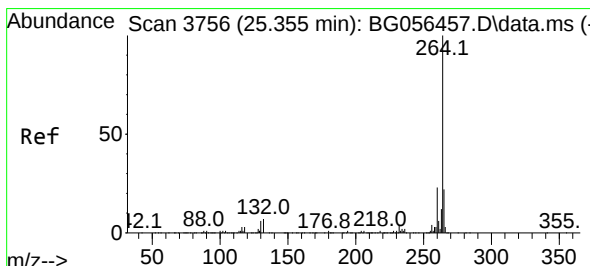
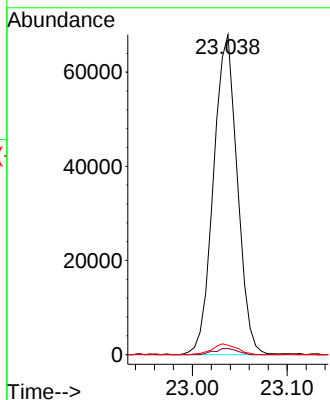
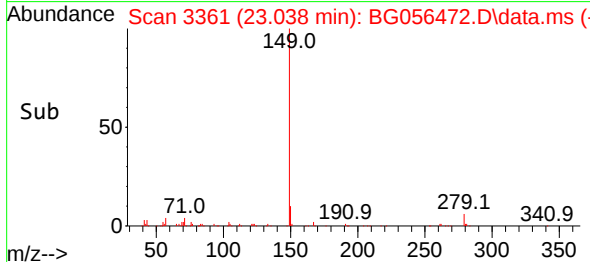
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:149 Resp: 118792
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 3.5 2.7 4.1

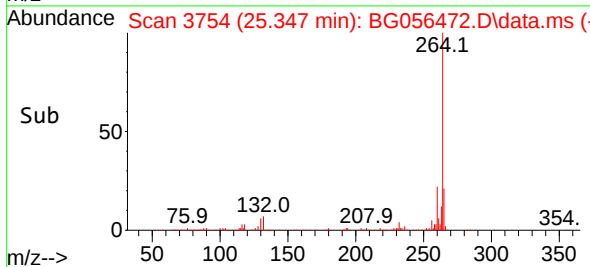
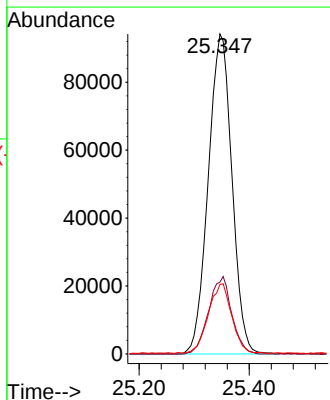
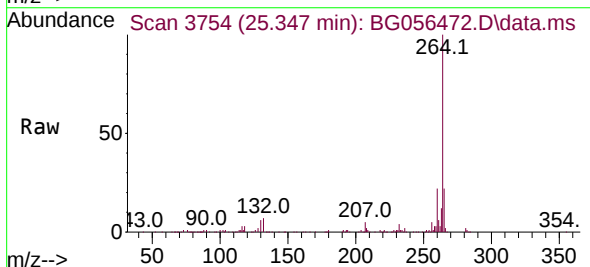
Manual Integrations
APPROVED

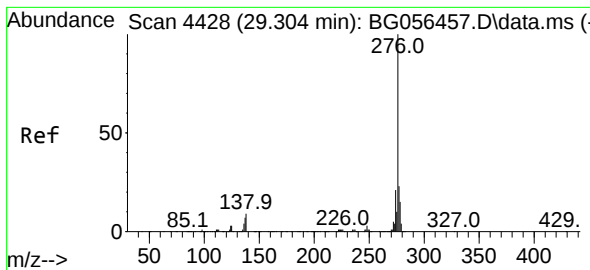
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.347 min Scan# 3754
Delta R.T. -0.009 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:264 Resp: 281043
Ion Ratio Lower Upper
264 100
260 22.4 18.2 27.4
265 21.7 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.024 ng

RT: 29.277 min Scan# 4428

Delta R.T. -0.026 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:276 Resp: 185652

Ion Ratio Lower Upper

276 100

138 5.8 9.4 14.2

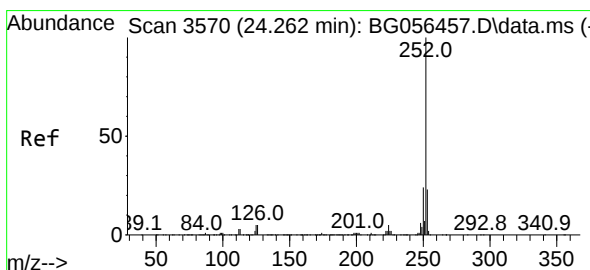
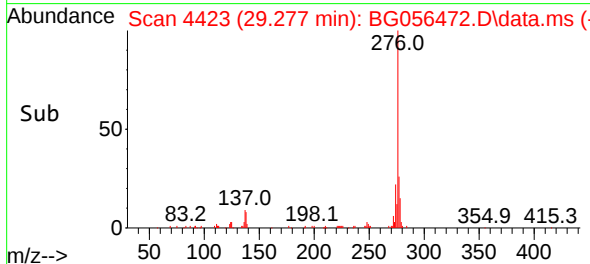
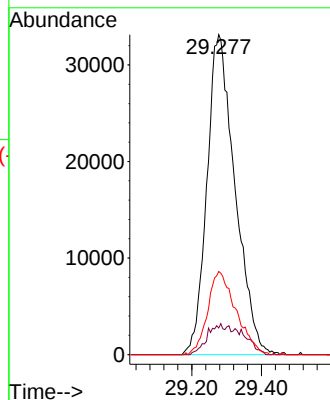
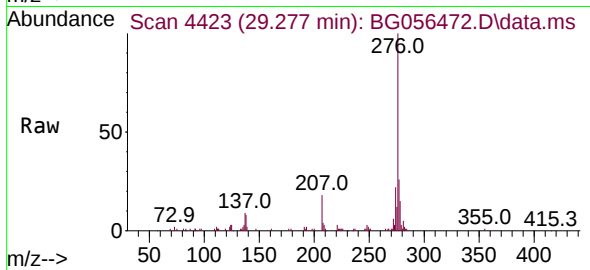
277 26.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#88

Benzo(b)fluoranthene

Concen: 9.790 ng

RT: 24.248 min Scan# 3567

Delta R.T. -0.015 min

Lab File: BG056472.D

Acq: 30 Jan 2023 16:22

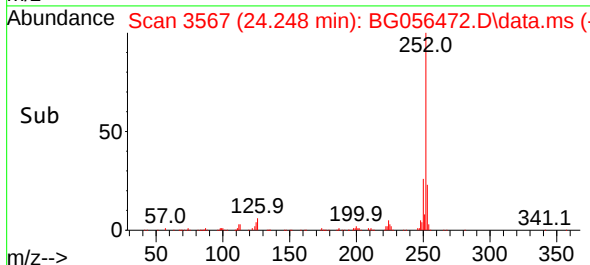
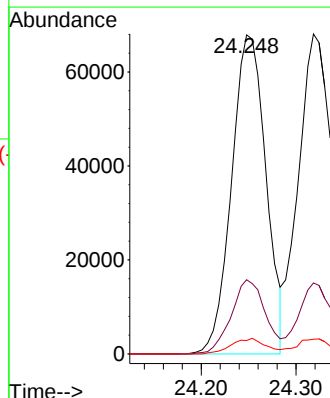
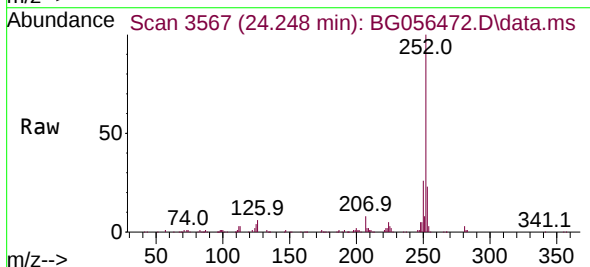
Tgt Ion:252 Resp: 170773

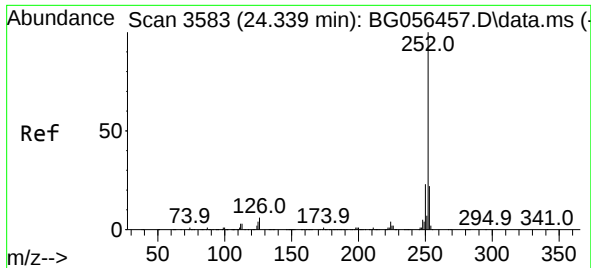
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

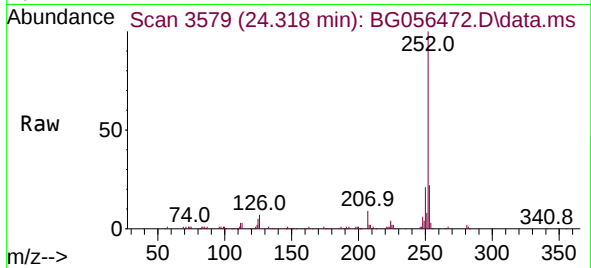
125 4.2 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 9.752 ng
RT: 24.318 min Scan# 3579
Delta R.T. -0.020 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

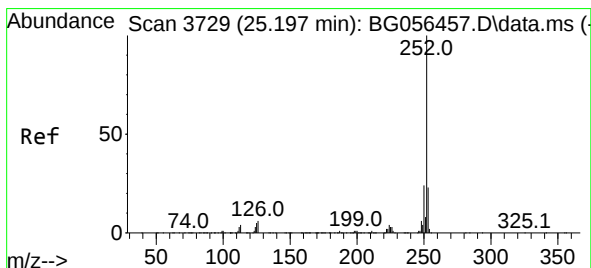
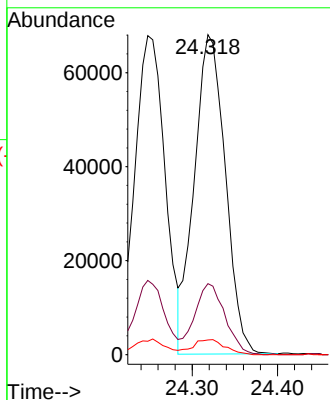
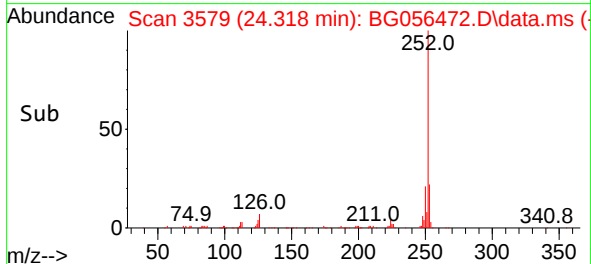
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 171749
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 4.6 3.4 5.0

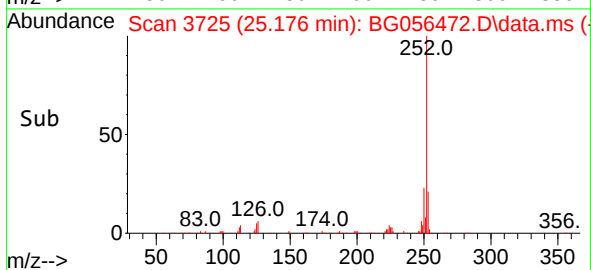
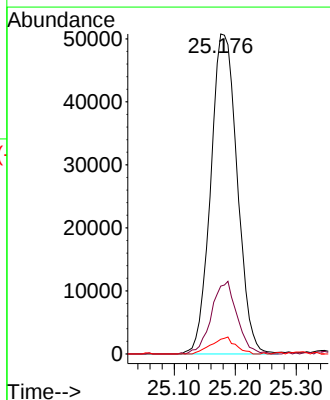
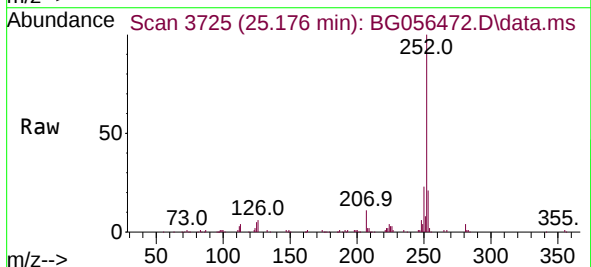
Manual Integrations
APPROVED

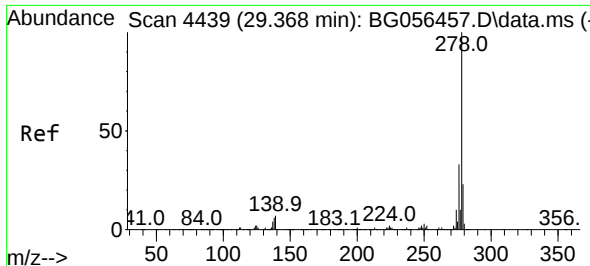
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#90
Benzo(a)pyrene
Concen: 8.932 ng
RT: 25.176 min Scan# 3725
Delta R.T. -0.020 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

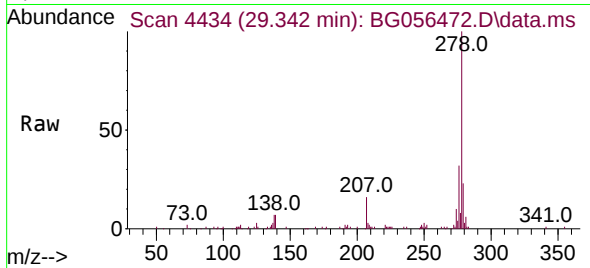
Tgt Ion:252 Resp: 153487
Ion Ratio Lower Upper
252 100
253 21.2 18.4 27.6
125 4.6 4.1 6.1





#91
Dibenzo(a,h)anthracene
Concen: 9.551 ng
RT: 29.342 min Scan# 4439
Delta R.T. -0.026 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

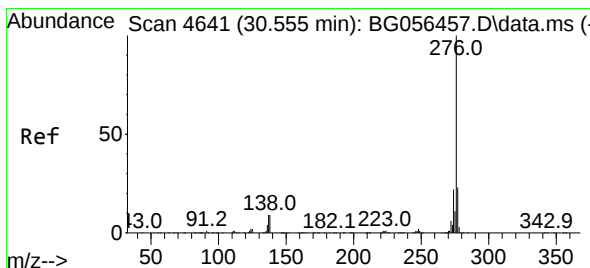
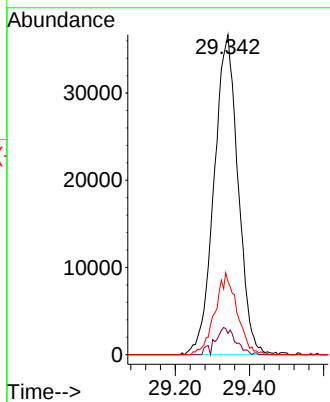
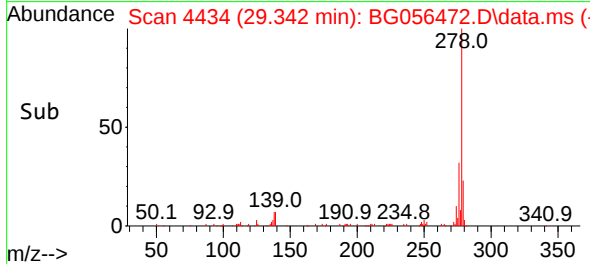
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:278 Resp: 164925
Ion Ratio Lower Upper
278 100
139 6.6 5.5 8.3
279 22.9 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#92
Benzo(g,h,i)perylene
Concen: 9.528 ng
RT: 30.505 min Scan# 4632
Delta R.T. -0.050 min
Lab File: BG056472.D
Acq: 30 Jan 2023 16:22

Tgt Ion:276 Resp: 158761
Ion Ratio Lower Upper
276 100
277 20.6 18.5 27.7
138 9.1 7.4 11.0

