

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057447.D
 Acq On : 17 May 2023 15:46
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 18 01:57:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	16797	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	67516	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	56048	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	141481	20.000	ng	0.00
76) Chrysene-d12	22.025	240	128876	20.000	ng	0.00
86) Perylene-d12	25.532	264	137939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	96819	98.601	ng	0.00
7) Phenol-d6	7.497	99	145095	97.307	ng	0.00
23) Nitrobenzene-d5	9.536	82	109077	67.807	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	83183	104.598	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	295592	71.029	ng	0.00
79) Terphenyl-d14	20.286	244	544200	68.911	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.679	88	3514	8.655	ng	98
3) Pyridine	4.108	79	9379	7.188	ng	95
4) n-Nitrosodimethylamine	4.014	42	4511	7.357	ng	88
6) Aniline	7.673	93	15052	7.957	ng	98
8) 2-Chlorophenol	7.920	128	8921	8.598	ng	96
9) Benzaldehyde	7.486	77	15221	14.861	ng	96
10) Phenol	7.527	94	11974	8.238	ng	95
11) bis(2-Chloroethyl)ether	7.756	93	9654	8.808	ng	89
12) 1,3-Dichlorobenzene	8.249	146	10355	9.042	ng	97
13) 1,4-Dichlorobenzene	8.396	146	10564	9.184	ng	95
14) 1,2-Dichlorobenzene	8.719	146	10025	9.028	ng	89
15) Benzyl Alcohol	8.596	79	8797	7.082	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.884	45	10795	7.814	ng	98
17) 2-Methylphenol	8.796	107	8301	7.922	ng	95
18) Hexachloroethane	9.459	117	3561	8.578	ng	# 85
19) n-Nitroso-di-n-propyla...	9.154	70	8602	7.566	ng	# 97
20) 3+4-Methylphenols	9.124	107	11397	7.944	ng	92
22) Acetophenone	9.189	105	16119	8.341	ng	# 96
24) Nitrobenzene	9.583	77	13184	8.120	ng	99
25) Isophorone	10.100	82	23280	7.463	ng	97
26) 2-Nitrophenol	10.305	139	5800	9.332	ng	90
27) 2,4-Dimethylphenol	10.340	122	9428	8.664	ng	89
28) bis(2-Chloroethoxy)met...	10.575	93	12570	8.044	ng	92
29) 2,4-Dichlorophenol	10.846	162	10032	8.692	ng	92
30) 1,2,4-Trichlorobenzene	11.057	180	12241	9.195	ng	100
31) Naphthalene	11.251	128	31948	8.851	ng	98
32) Benzoic acid	10.476	122	4702m	11.473	ng	
33) 4-Chloroaniline	11.357	127	13178	8.130	ng	# 90
34) Hexachlorobutadiene	11.521	225	8696	8.803	ng	95
35) Caprolactam	12.097	113	3285	8.332	ng	# 86
36) 4-Chloro-3-methylphenol	12.449	107	11876	9.054	ng	96
37) 2-Methylnaphthalene	12.831	142	24030	8.467	ng	98
38) 1-Methylnaphthalene	13.043	142	22453	8.394	ng	99
40) 1,2,4,5-Tetrachloroben...	13.190	216	17455	8.772	ng	99
41) Hexachlorocyclopentadiene	13.160	237	2679	8.876	ng	92
43) 2,4,6-Trichlorophenol	13.425	196	9834	8.112	ng	95

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Instrument :
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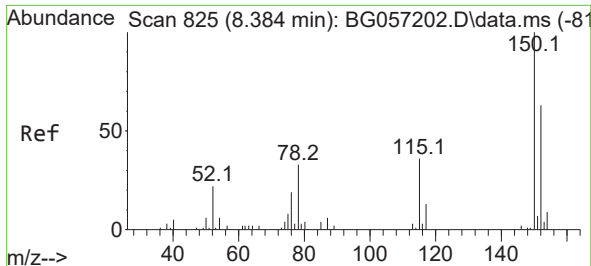
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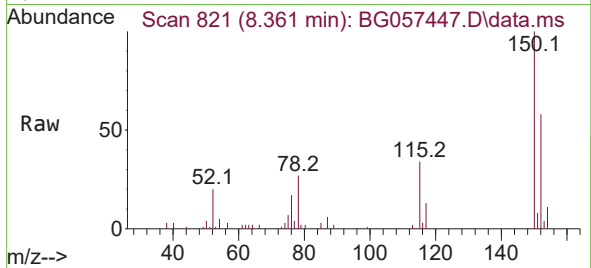
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.513	196	11437	8.021	ng	94
46) 1,1'-Biphenyl	13.812	154	35802	8.608	ng	96
47) 2-Chloronaphthalene	13.865	162	27681	8.950	ng	95
48) 2-Nitroaniline	14.059	65	7768	7.387	ng	97
49) Acenaphthylene	14.705	152	41618	8.283	ng	99
50) Dimethylphthalate	14.411	163	36536	7.933	ng	# 95
51) 2,6-Dinitrotoluene	14.541	165	7647	8.132	ng	92
52) Acenaphthene	15.040	154	26638	8.484	ng	97
53) 3-Nitroaniline	14.881	138	6954	7.381	ng	# 94
54) 2,4-Dinitrophenol	15.105	184	1603	7.500	ng	# 82
55) Dibenzofuran	15.369	168	45304	8.588	ng	98
56) 4-Nitrophenol	15.193	139	4296	6.856	ng	# 78
57) 2,4-Dinitrotoluene	15.334	165	11025	8.203	ng	# 90
58) Fluorene	16.015	166	37198	8.561	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.598	232	10420	8.060	ng	# 99
60) Diethylphthalate	15.757	149	36701	7.847	ng	97
61) 4-Chlorophenyl-phenyle...	15.998	204	20865	7.971	ng	96
62) 4-Nitroaniline	16.033	138	7249	7.627	ng	# 85
63) Azobenzene	16.291	77	34133	7.563	ng	94
65) 4,6-Dinitro-2-methylph...	16.103	198	6943	8.220	ng	95
66) n-Nitrosodiphenylamine	16.209	169	31552	8.211	ng	100
67) 4-Bromophenyl-phenylether	16.890	248	14553	8.426	ng	99
68) Hexachlorobenzene	17.026	284	15749	9.383	ng	# 92
69) Atrazine	17.137	200	13457	9.180	ng	99
70) Pentachlorophenol	17.372	266	8739	9.035	ng	94
71) Phenanthrene	17.760	178	62161	8.574	ng	98
72) Anthracene	17.848	178	62871	8.452	ng	97
73) Carbazole	18.118	167	52884	8.445	ng	100
74) Di-n-butylphthalate	18.635	149	58317	8.094	ng	98
75) Fluoranthene	19.751	202	75095	8.328	ng	99
77) Benzidine	19.916	184	35087	12.178	ng	100
78) Pyrene	20.110	202	76318	8.149	ng	98
80) Butylbenzylphthalate	20.961	149	24491	8.242	ng	93
81) Benzo(a)anthracene	22.007	228	76824	8.367	ng	99
82) 3,3'-Dichlorobenzidine	21.901	252	30155	10.253	ng	100
83) Chrysene	22.078	228	71275	8.250	ng	99
84) Bis(2-ethylhexyl)phtha...	21.848	149	35099	7.984	ng	98
85) Di-n-octyl phthalate	23.147	149	60030	8.190	ng	98
87) Indeno(1,2,3-cd)pyrene	29.585	276	83537	8.310	ng	# 96
88) Benzo(b)fluoranthene	24.404	252	75463	8.369	ng	99
89) Benzo(k)fluoranthene	24.480	252	74225m	8.101	ng	
90) Benzo(a)pyrene	25.361	252	65200	7.401	ng	97
91) Dibenzo(a,h)anthracene	29.626	278	68888	8.228	ng	98
92) Benzo(g,h,i)perylene	30.854	276	67040	8.201	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

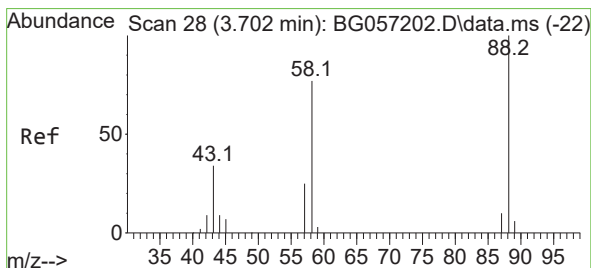
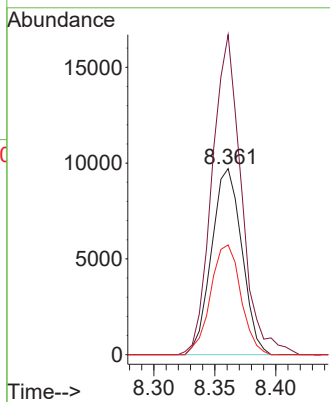
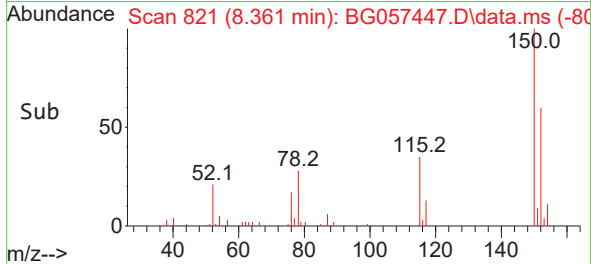
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:152 Resp: 1679
Ion Ratio Lower Upper
152 100
150 172.0 126.2 189.4
115 59.0 45.0 67.4

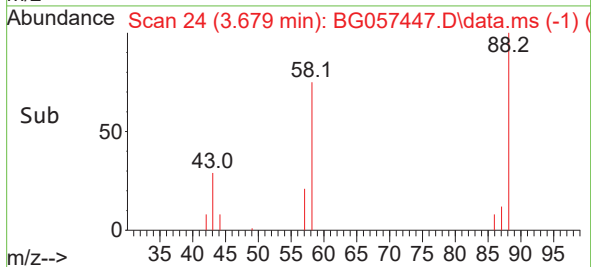
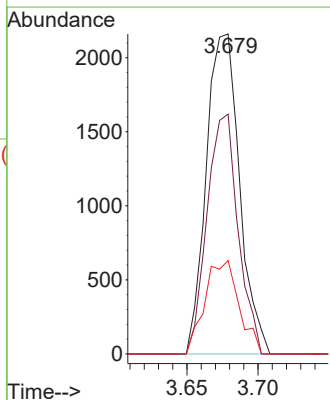
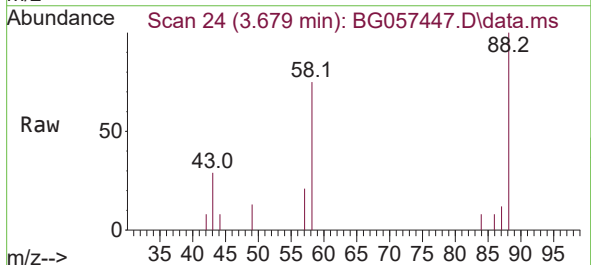
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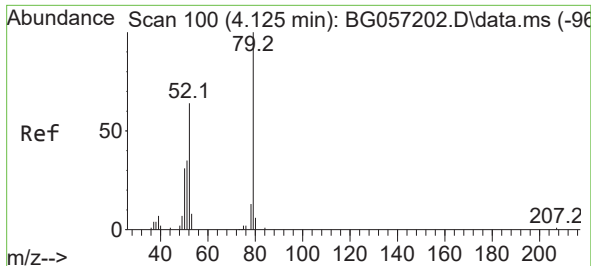
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#2
1,4-Dioxane
Concen: 8.655 ng
RT: 3.679 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

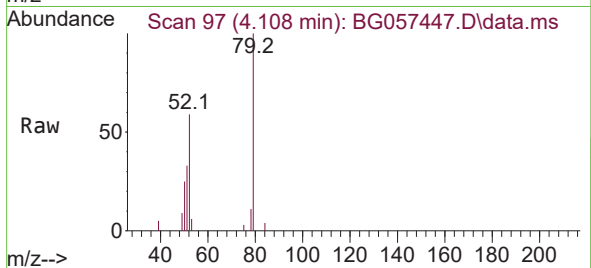
Tgt Ion: 88 Resp: 3514
Ion Ratio Lower Upper
88 100
58 69.8 57.1 85.7
43 29.9 24.4 36.6





#3
Pyridine
Concen: 7.188 ng
RT: 4.108 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

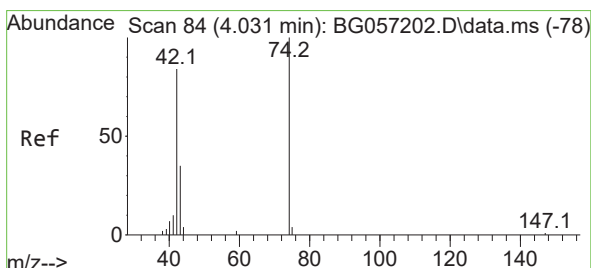
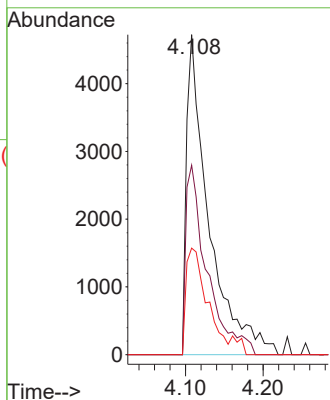
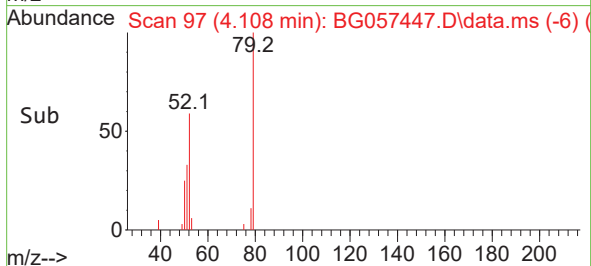
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 79 Resp: 9379
Ion Ratio Lower Upper
79 100
52 59.2 51.4 77.0
51 33.3 28.0 42.0

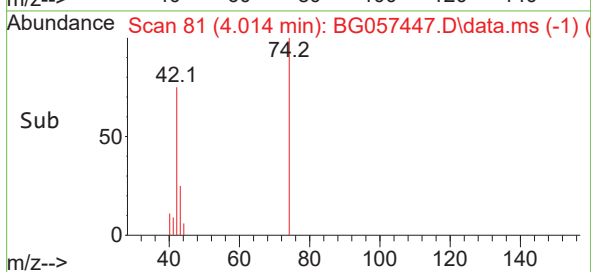
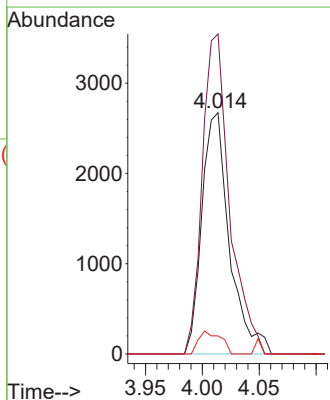
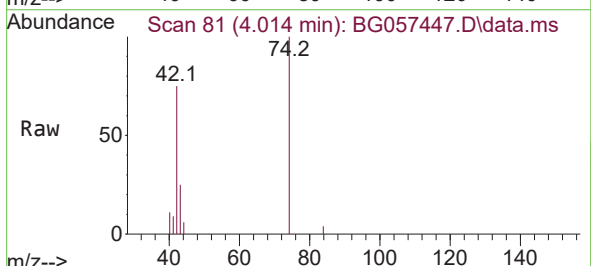
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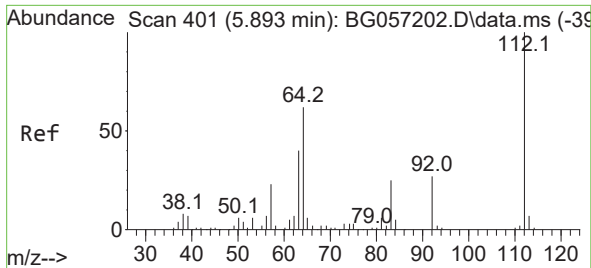
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#4
n-Nitrosodimethylamine
Concen: 7.357 ng
RT: 4.014 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

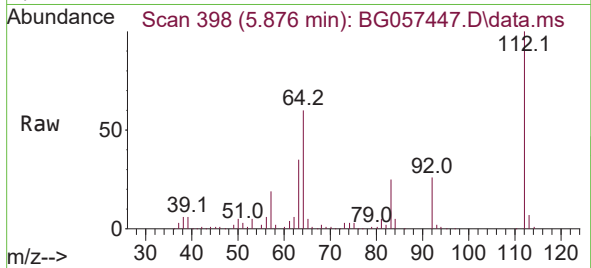
Tgt Ion: 42 Resp: 4511
Ion Ratio Lower Upper
42 100
74 132.6 95.1 142.7
44 7.5 5.8 8.8





#5
2-Fluorophenol
Concen: 98.601 ng
RT: 5.876 min Scan# 398
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

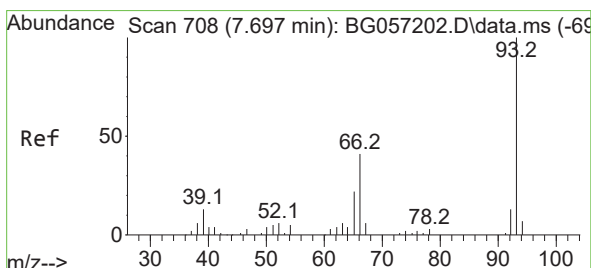
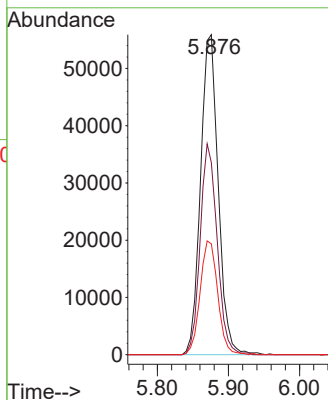
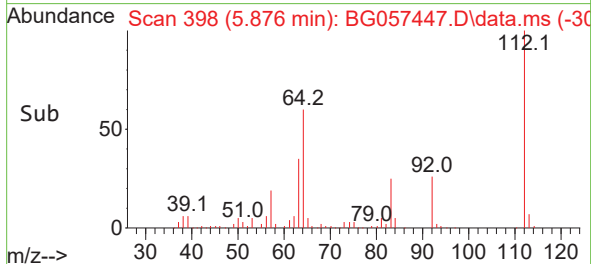
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:112 Resp: 96819
Ion Ratio Lower Upper
112 100
64 60.0 49.4 74.2
63 34.7 31.6 47.4

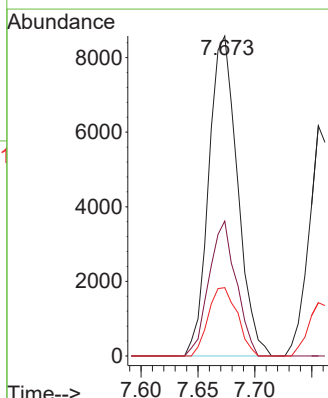
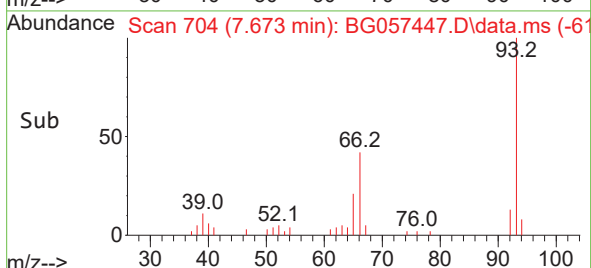
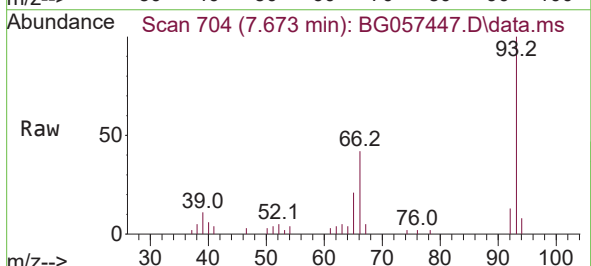
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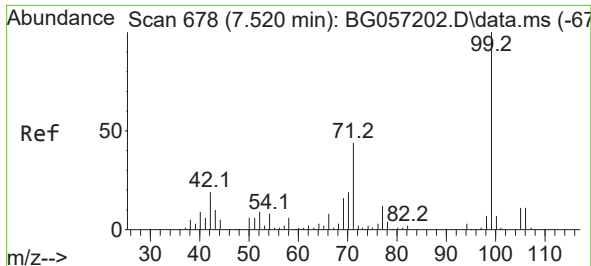
Reviewed By :Christian Giraldo 05/18/2023
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#6
Aniline
Concen: 7.957 ng
RT: 7.673 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

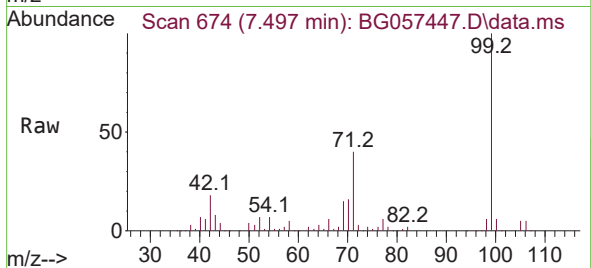
Tgt Ion: 93 Resp: 15052
Ion Ratio Lower Upper
93 100
66 42.1 33.0 49.6
65 21.3 18.0 27.0





#7
Phenol-d6
Concen: 97.307 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

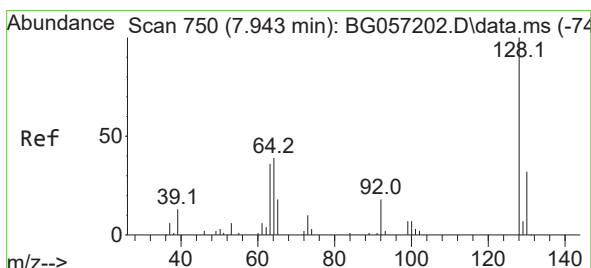
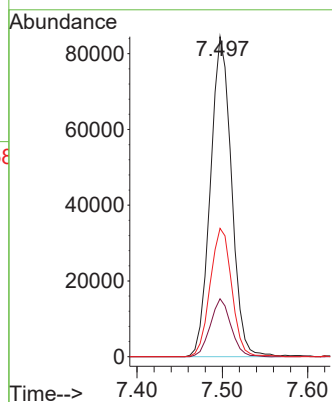
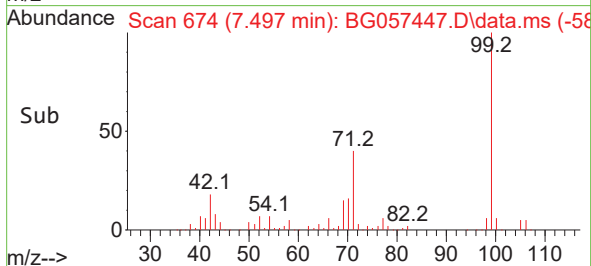
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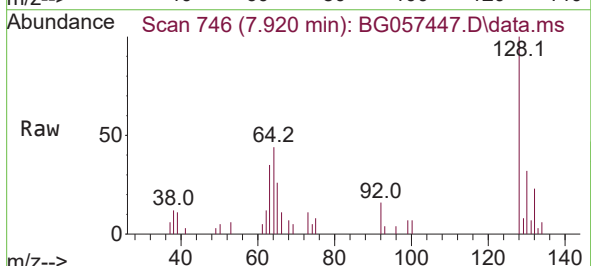
Tgt Ion: 99 Resp: 14509
Ion Ratio Lower Upper
99 100
42 18.1 15.1 22.7
71 40.1 35.2 52.8

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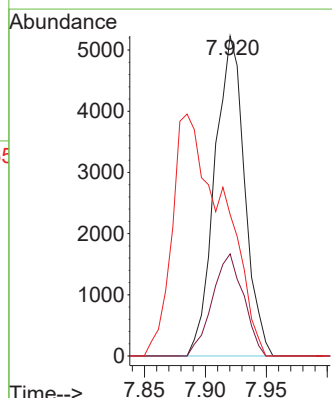
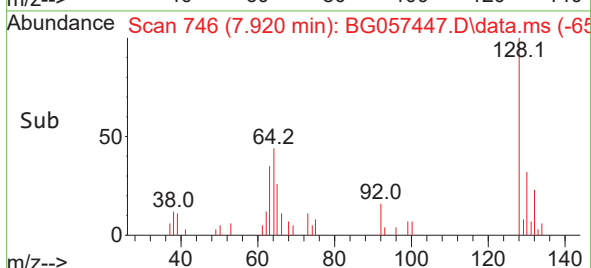
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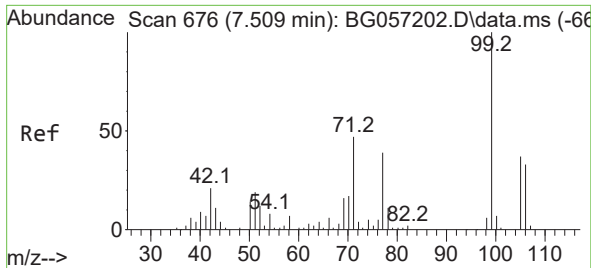


#8
2-Chlorophenol
Concen: 8.598 ng
RT: 7.920 min Scan# 746
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:128 Resp: 8921
Ion Ratio Lower Upper
128 100
130 31.9 12.2 52.2
64 44.2 28.4 68.4





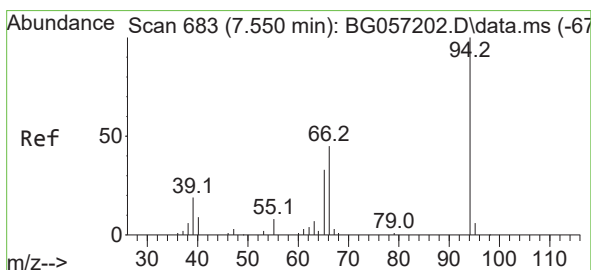
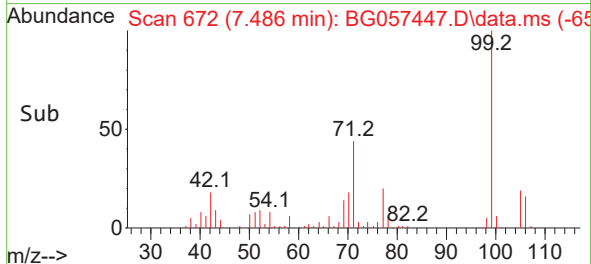
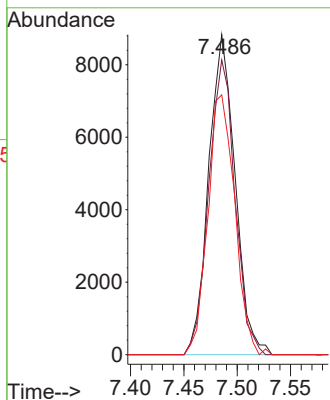
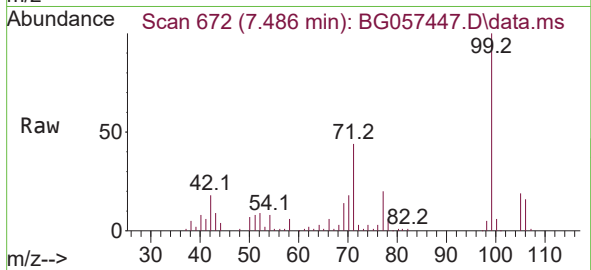
#9
Benzaldehyde
Concen: 14.861 ng
RT: 7.486 min Scan# 611
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 77 Resp: 1522
Ion Ratio Lower Upper
77 100
105 92.1 74.6 114.6
106 81.2 66.3 106.3

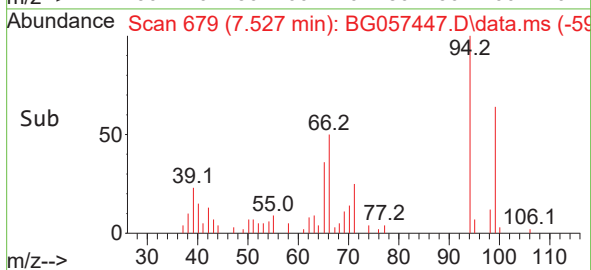
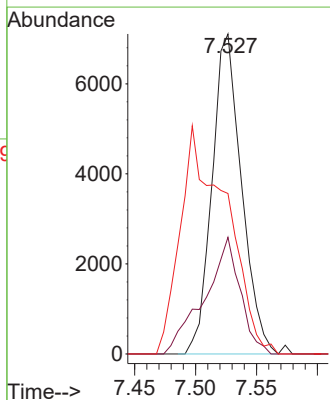
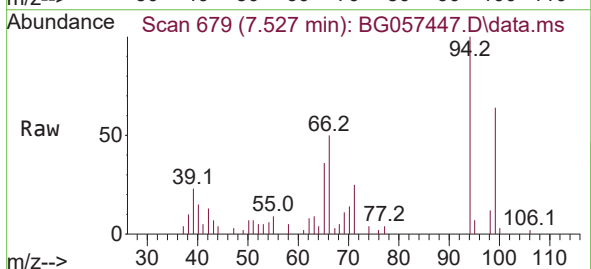
Manual Integrations
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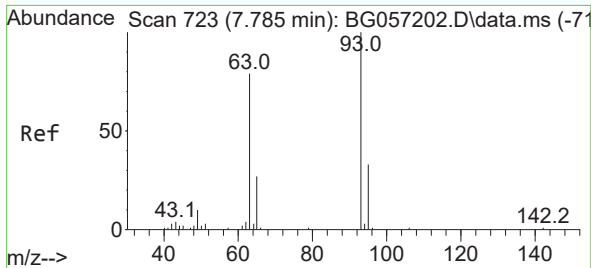
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#10
Phenol
Concen: 8.238 ng
RT: 7.527 min Scan# 679
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

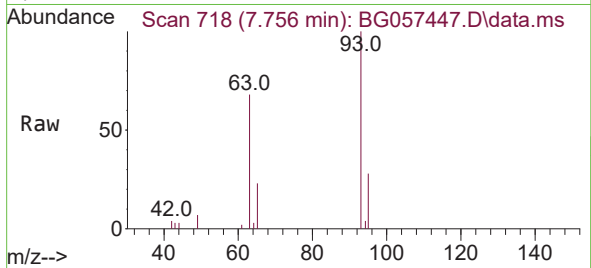
Tgt Ion: 94 Resp: 11974
Ion Ratio Lower Upper
94 100
65 36.5 13.5 53.5
66 50.1 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 8.808 ng
RT: 7.756 min Scan# 718
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

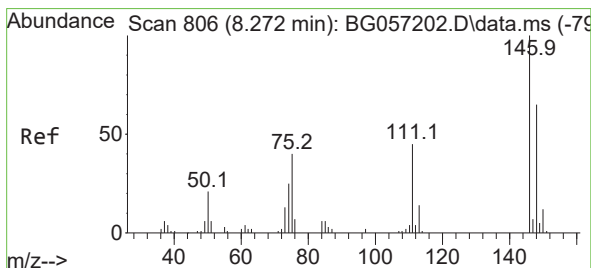
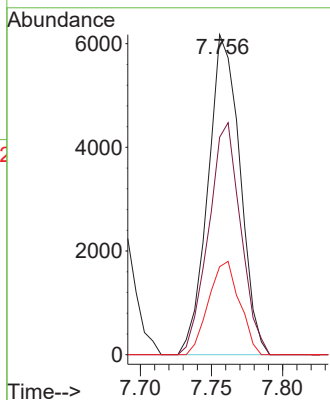
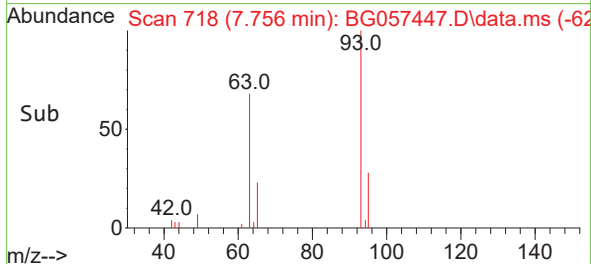
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 93 Resp: 9654
Ion Ratio Lower Upper
93 100
63 67.9 58.6 98.6
95 27.5 12.2 52.2

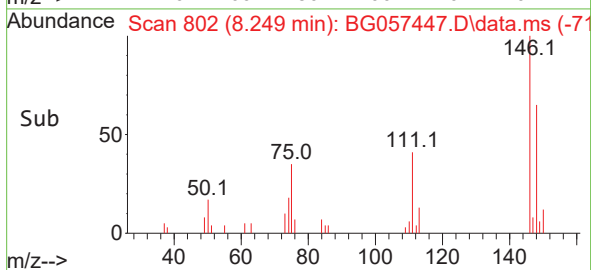
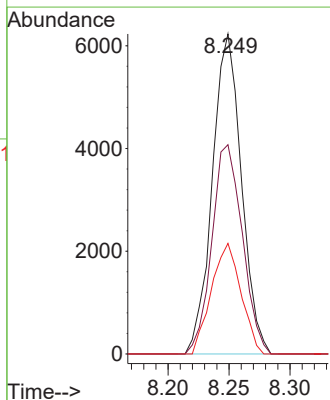
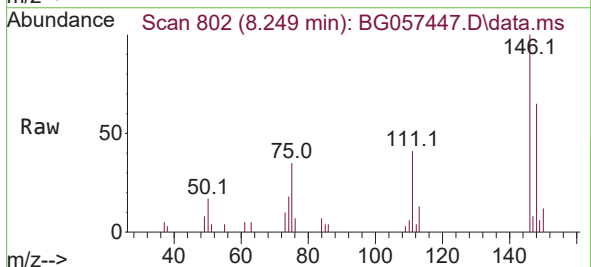
Manual Integrations
APPROVED

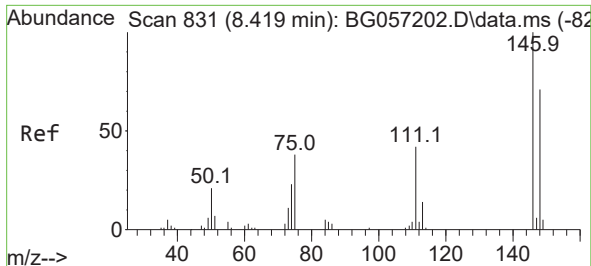
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#12
1,3-Dichlorobenzene
Concen: 9.042 ng
RT: 8.249 min Scan# 802
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

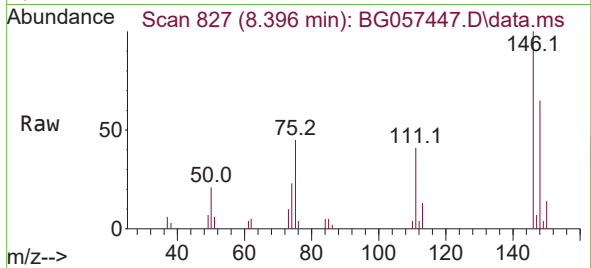
Tgt Ion:146 Resp: 10355
Ion Ratio Lower Upper
146 100
148 65.4 52.2 78.2
75 34.6 31.7 47.5





#13
1,4-Dichlorobenzene
Concen: 9.184 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

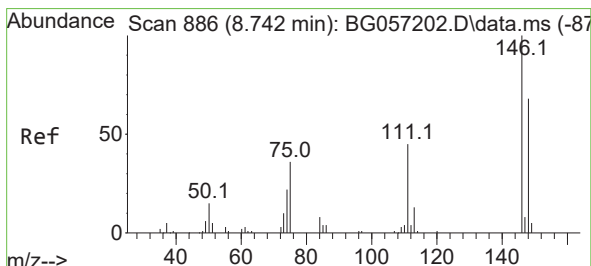
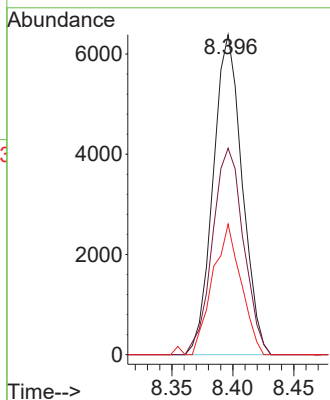
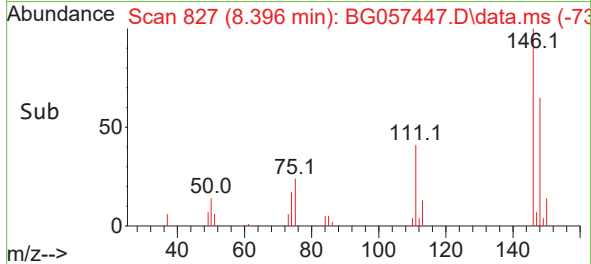
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



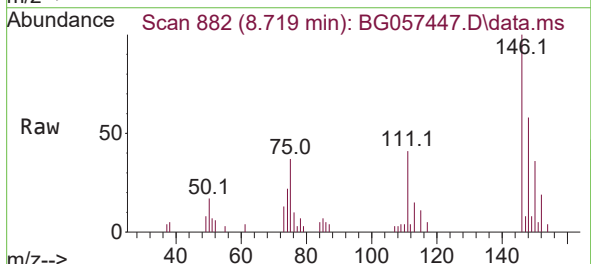
Tgt Ion:146 Resp: 10564
Ion Ratio Lower Upper
146 100
148 64.5 56.4 84.6
111 40.8 33.8 50.6

Manual Integrations
APPROVED

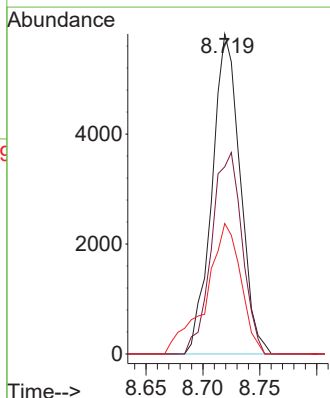
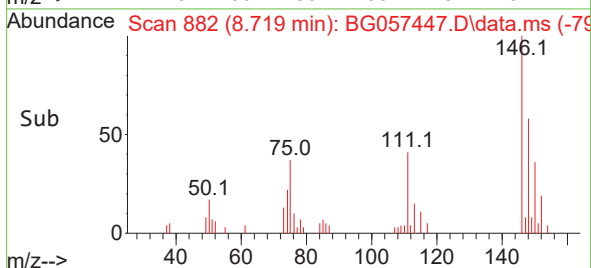
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

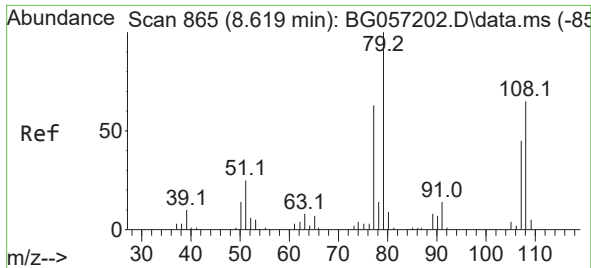


#14
1,2-Dichlorobenzene
Concen: 9.028 ng
RT: 8.719 min Scan# 882
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:146 Resp: 10025
Ion Ratio Lower Upper
146 100
148 58.5 54.6 82.0
111 40.7 37.2 55.8





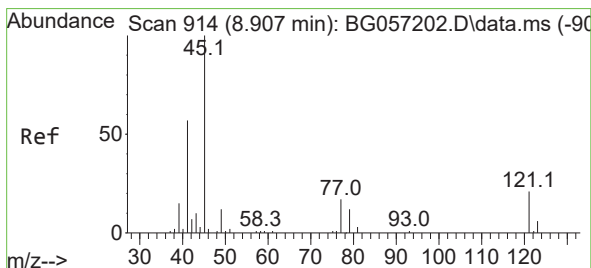
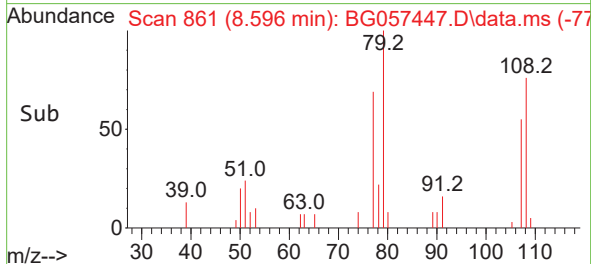
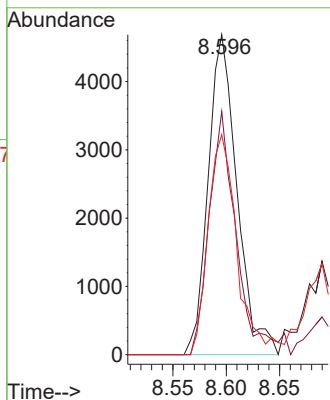
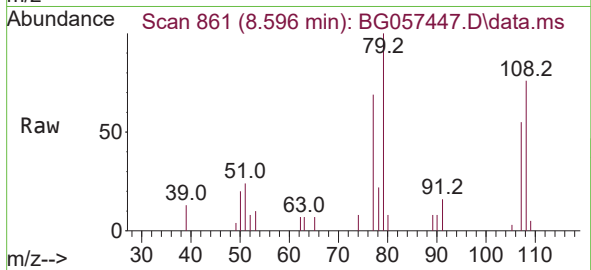
#15
Benzyl Alcohol
Concen: 7.082 ng
RT: 8.596 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 879
Ion Ratio Lower Upper
79 100
108 76.0 52.2 78.2
77 68.8 50.1 75.1

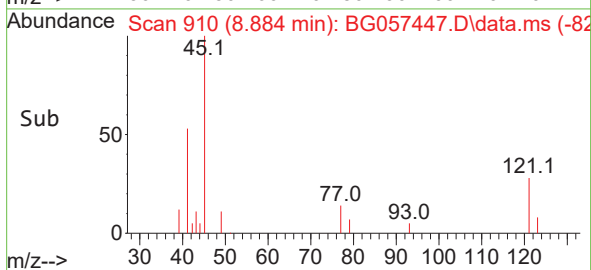
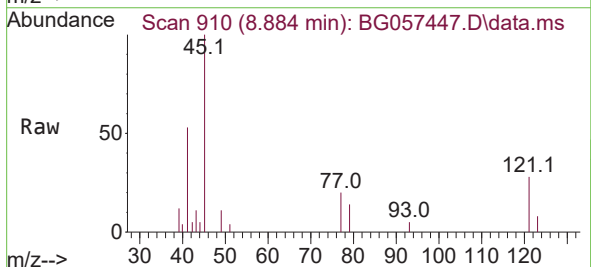
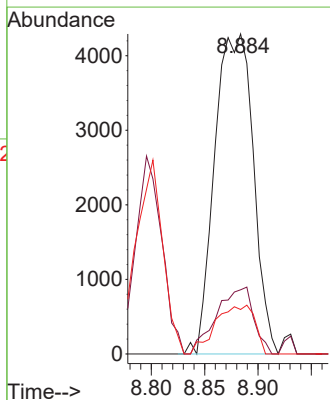
Manual Integrations
APPROVED

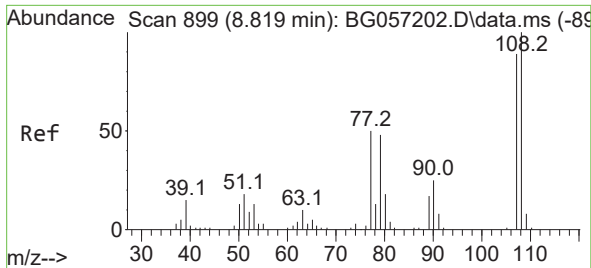
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.814 ng
RT: 8.884 min Scan# 910
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

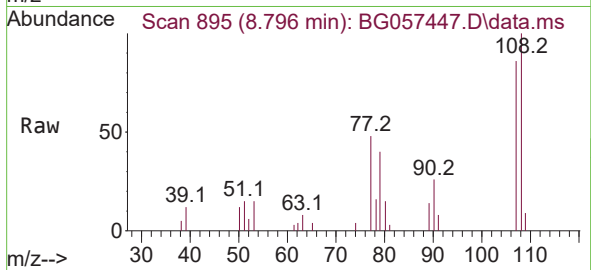
Tgt Ion: 45 Resp: 10795
Ion Ratio Lower Upper
45 100
77 20.0 0.0 38.5
79 13.9 0.0 33.8





#17
2-Methylphenol
Concen: 7.922 ng
RT: 8.796 min Scan# 899
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

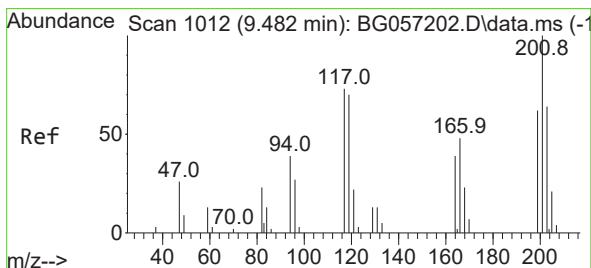
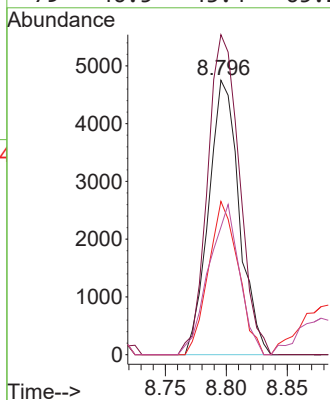
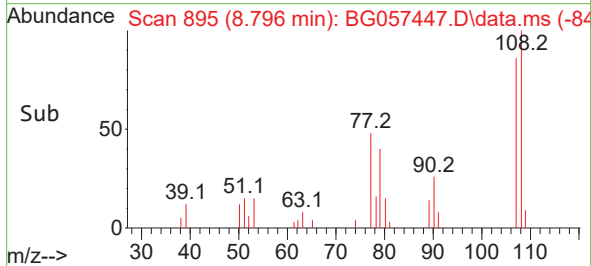
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion	Ratio	Lower	Upper
107	100		
108	116.6	89.5	134.3
77	55.9	45.1	67.7
79	46.5	43.4	65.2

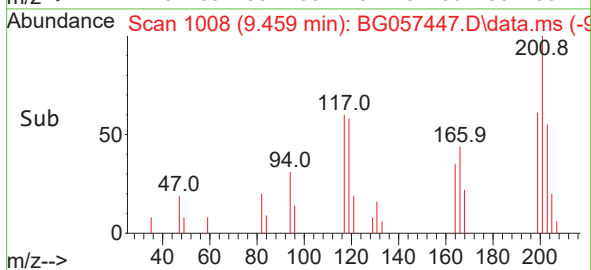
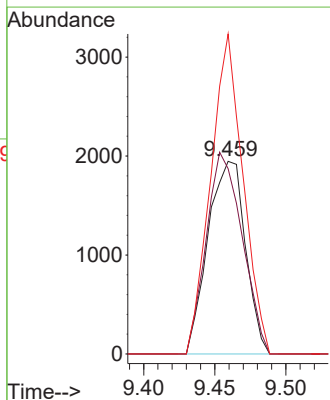
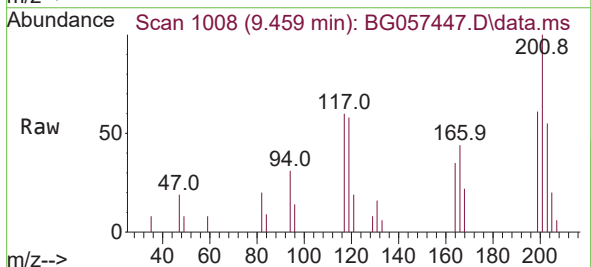
Manual Integrations
APPROVED

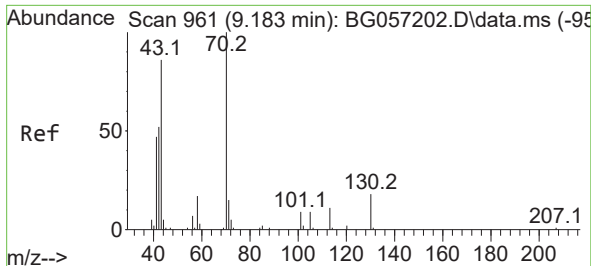
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#18
Hexachloroethane
Concen: 8.578 ng
RT: 9.459 min Scan# 1008
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

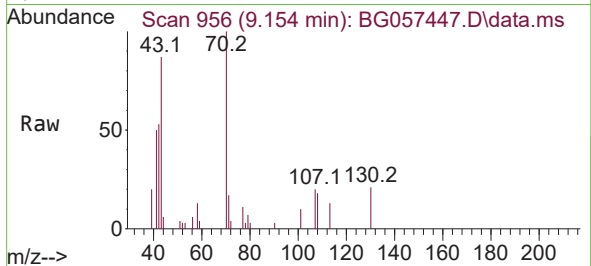
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.7	115.1
201	166.1	109.0	163.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.566 ng
RT: 9.154 min Scan# 91
Delta R.T. -0.014 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

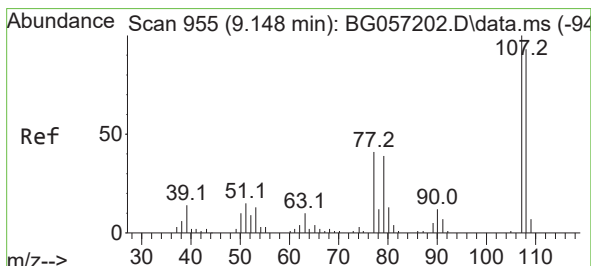
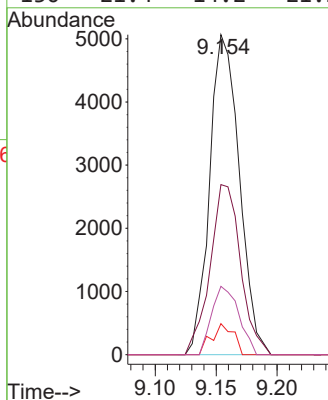
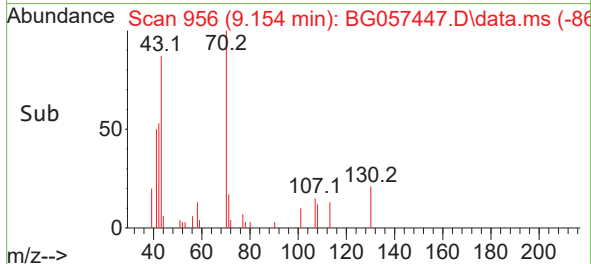
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



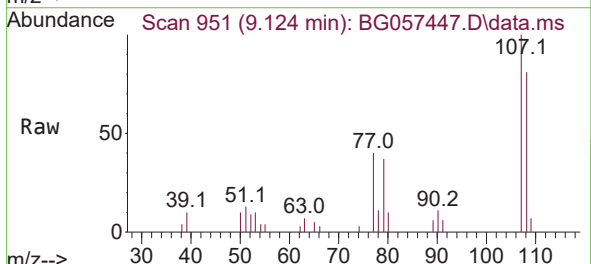
Tgt Ion: 70 Resp: 860
Ion Ratio Lower Upper
70 100
42 53.1 41.8 62.8
101 9.7 6.8 10.2
130 21.4 14.2 21.2#

Manual Integrations
APPROVED

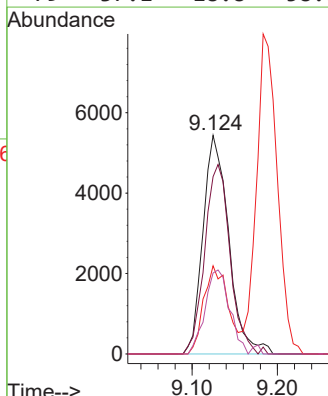
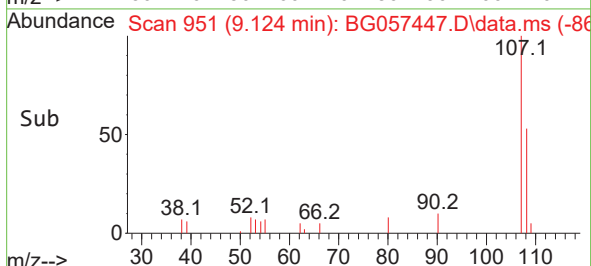
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

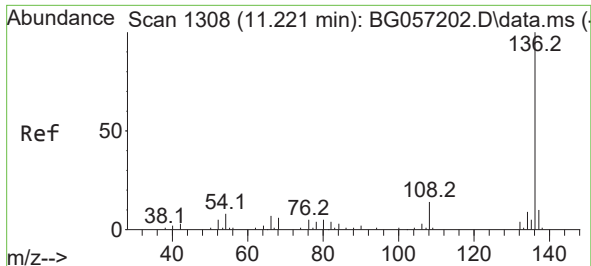


#20
3+4-Methylphenols
Concen: 7.944 ng
RT: 9.124 min Scan# 951
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



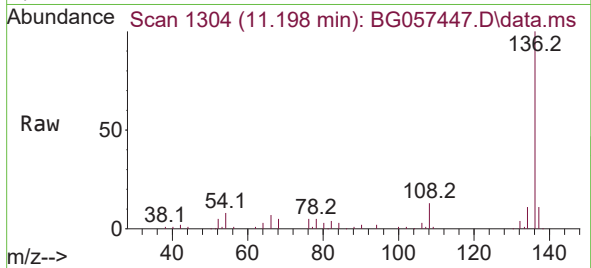
Tgt Ion:107 Resp: 11397
Ion Ratio Lower Upper
107 100
108 81.1 73.5 113.5
77 40.3 21.1 61.1
79 37.1 18.8 58.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1119
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

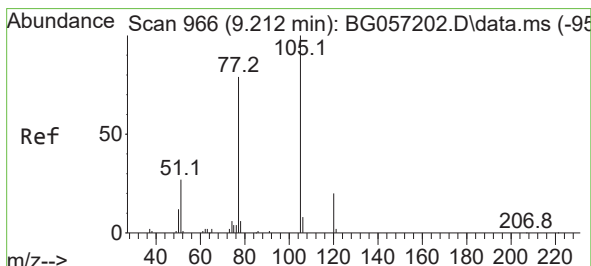
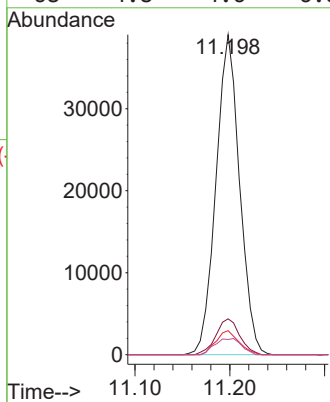
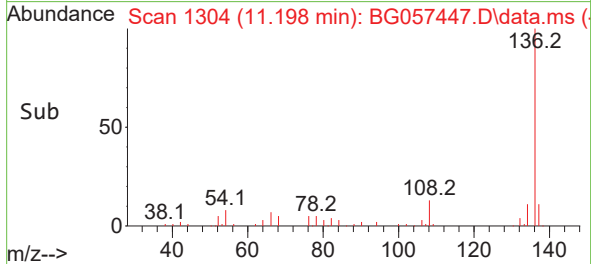
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:136 Resp: 67510
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 7.5 6.7 10.1
68 4.8 4.6 6.8

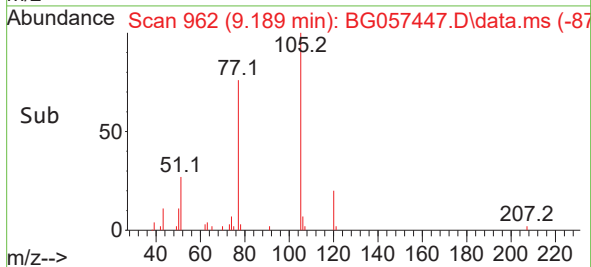
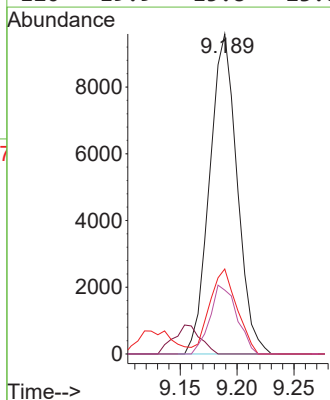
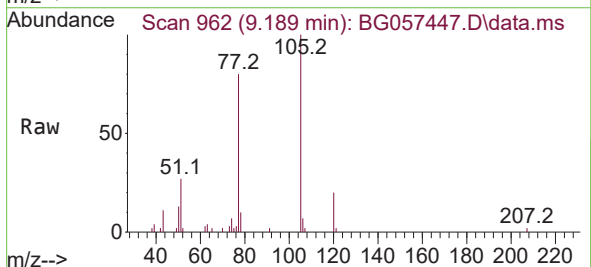
Manual Integrations
APPROVED

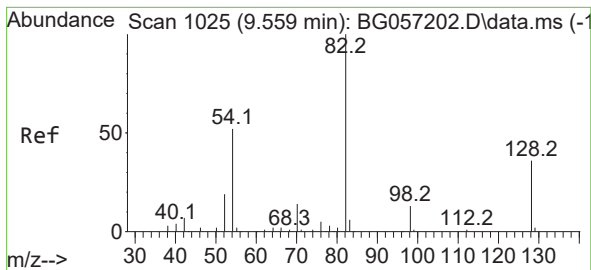
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#22
Acetophenone
Concen: 8.341 ng
RT: 9.189 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

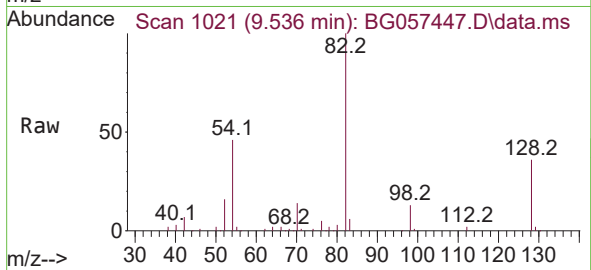
Tgt Ion:105 Resp: 16119
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 26.5 24.0 36.0
120 19.9 15.8 23.8





#23
Nitrobenzene-d5
Concen: 67.807 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

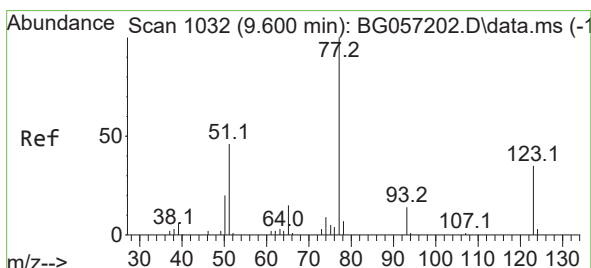
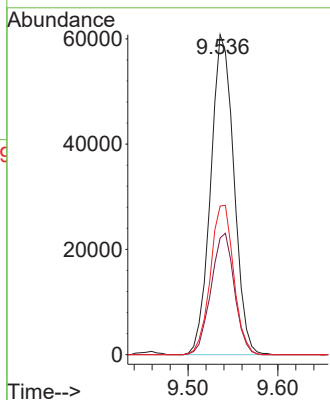
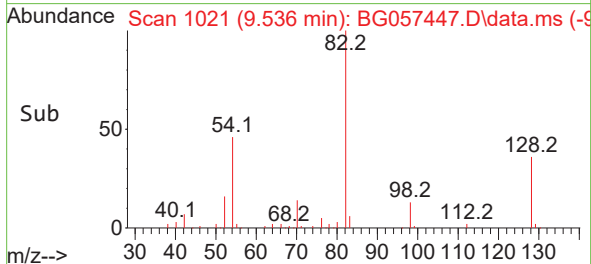
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



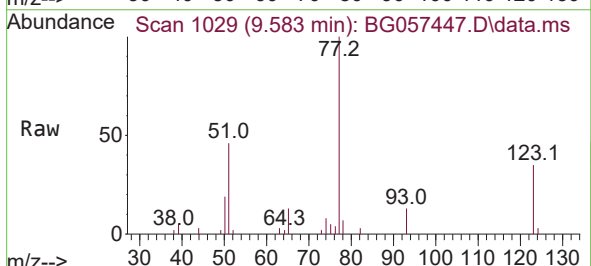
Tgt Ion: 82 Resp: 10907
Ion Ratio Lower Upper
82 100
128 36.5 29.0 43.4
54 46.5 41.4 62.0

Manual Integrations
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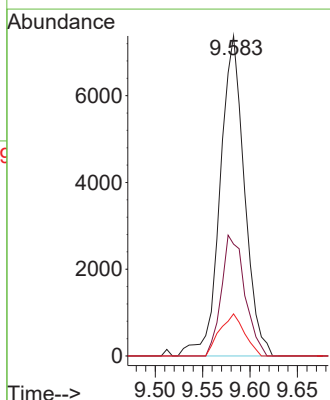
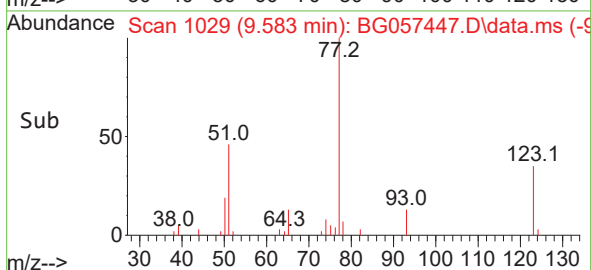
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

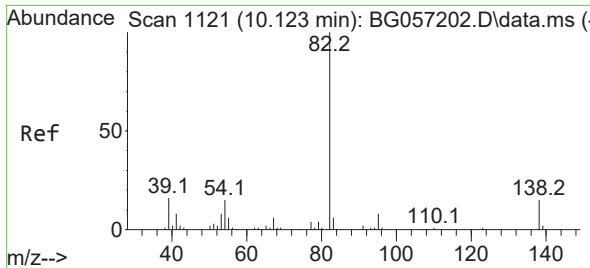


#24
Nitrobenzene
Concen: 8.120 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion: 77 Resp: 13184
Ion Ratio Lower Upper
77 100
123 34.9 28.2 42.2
65 13.2 11.7 17.5





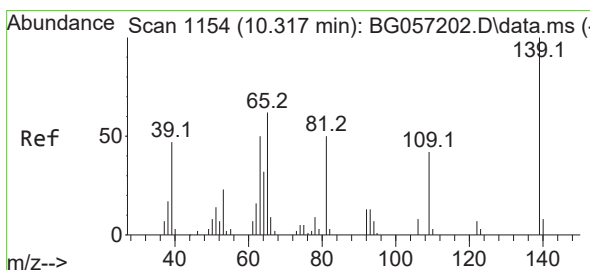
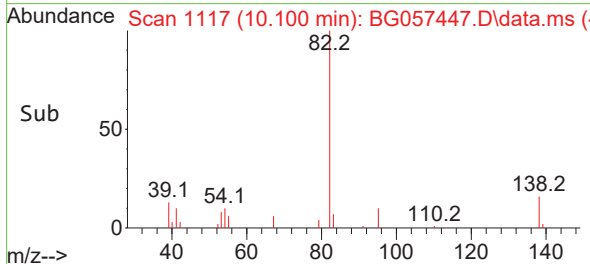
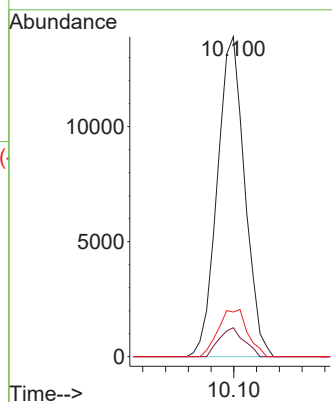
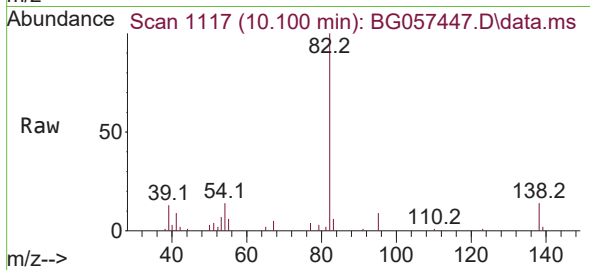
#25
Isophorone
Concen: 7.463 ng
RT: 10.100 min Scan# 1117
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 82 Resp: 23280
Ion Ratio Lower Upper
82 100
95 9.1 6.4 9.6
138 13.9 12.3 18.5

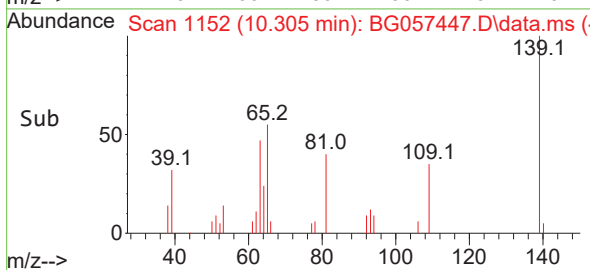
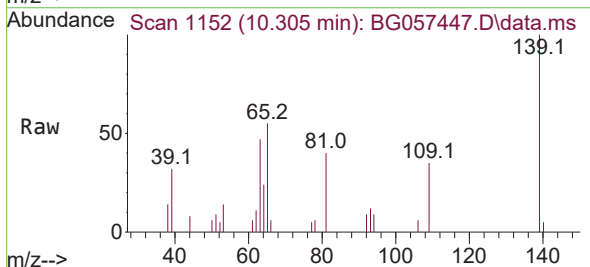
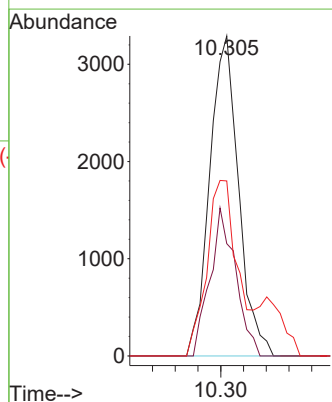
Manual Integrations
APPROVED

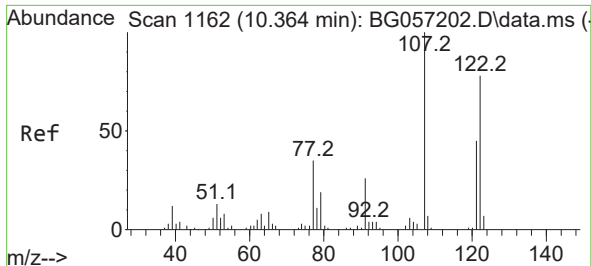
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#26
2-Nitrophenol
Concen: 9.332 ng
RT: 10.305 min Scan# 1152
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:139 Resp: 5800
Ion Ratio Lower Upper
139 100
109 35.1 33.4 50.2
65 54.7 49.8 74.6





#27

2,4-Dimethylphenol

Concen: 8.664 ng

RT: 10.340 min Scan# 1158

Delta R.T. -0.003 min

Lab File: BG057447.D

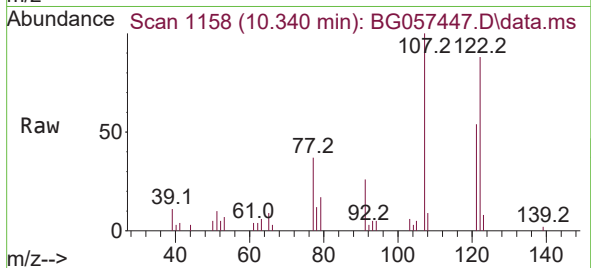
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



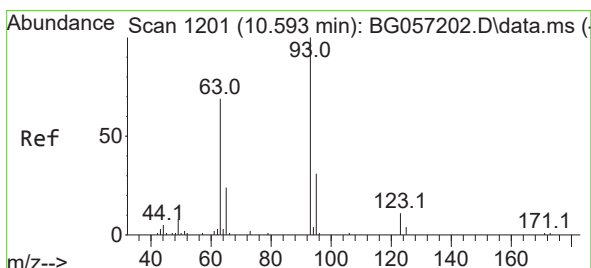
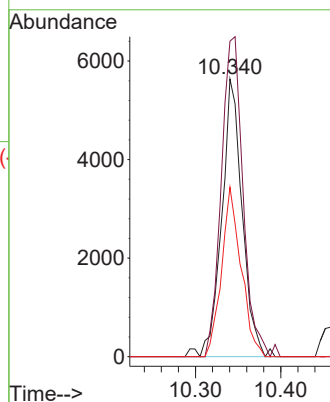
Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.6	103.0	154.4
121	61.0	45.9	68.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 8.044 ng

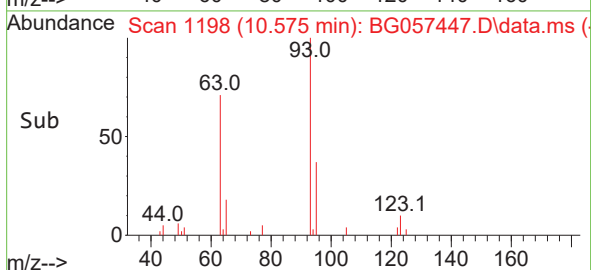
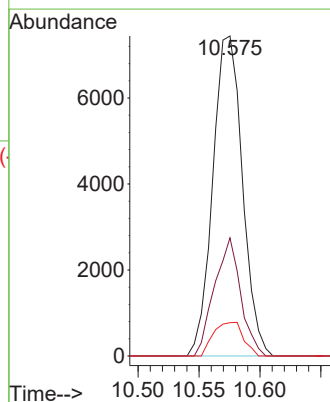
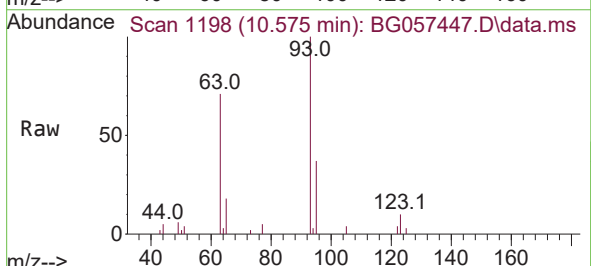
RT: 10.575 min Scan# 1198

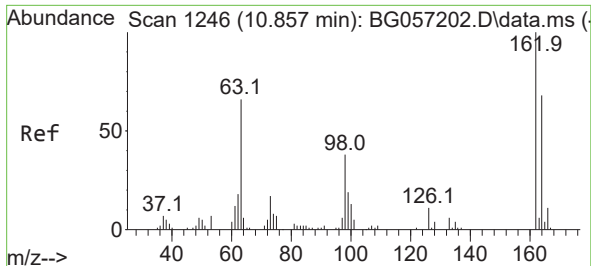
Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	36.9	25.0	37.6
123	10.4	8.5	12.7





#29

2,4-Dichlorophenol

Concen: 8.692 ng

RT: 10.846 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG057447.D

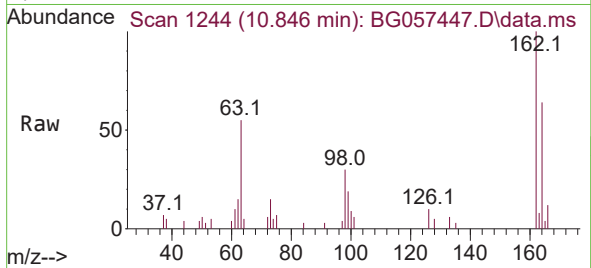
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

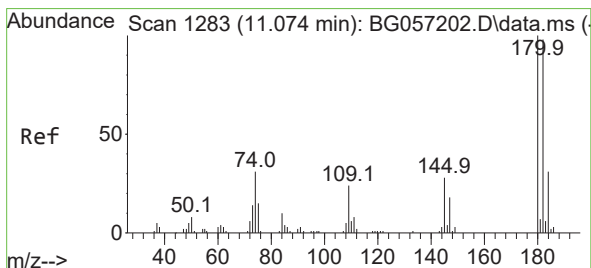
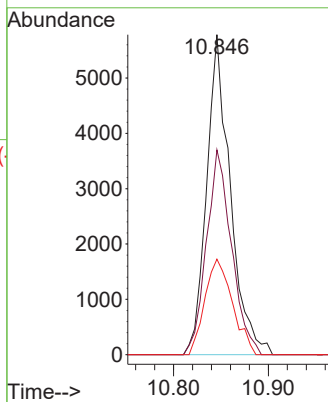
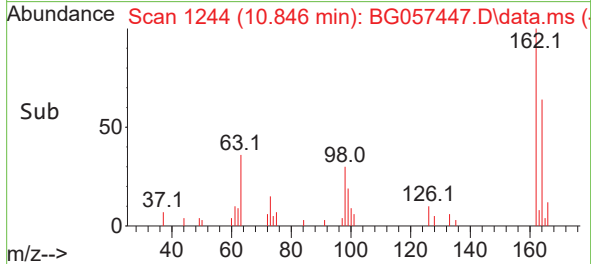


Tgt Ion:	162	Resp:	1003
Ion Ratio	Lower	Upper	
162	100		
164	64.0	48.4	88.4
98	29.8	17.6	57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#30

1,2,4-Trichlorobenzene

Concen: 9.195 ng

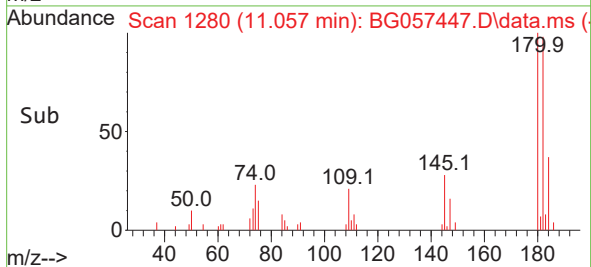
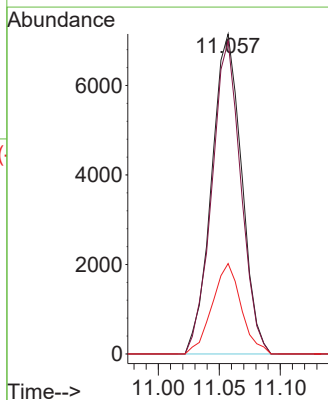
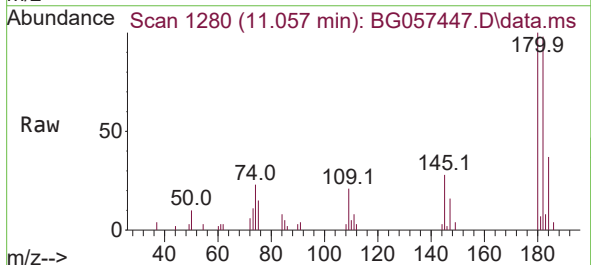
RT: 11.057 min Scan# 1280

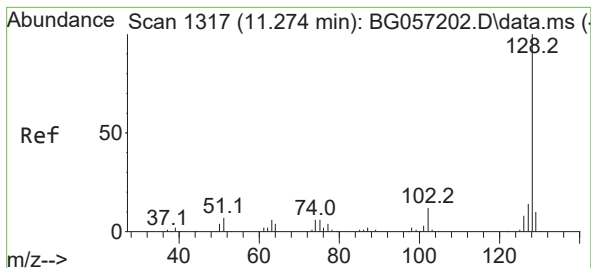
Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

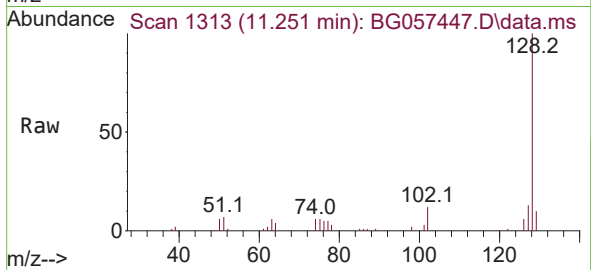
Tgt Ion:	180	Resp:	12241
Ion Ratio	Lower	Upper	
180	100		
182	97.8	78.0	117.0
145	28.3	22.4	33.6





#31
Naphthalene
Concen: 8.851 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

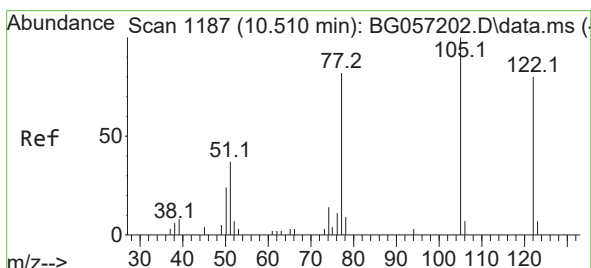
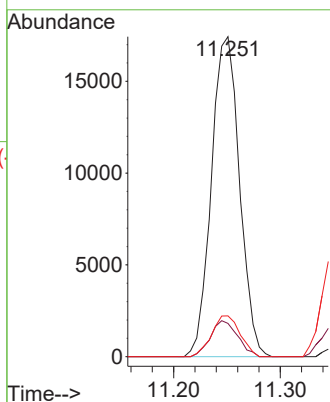
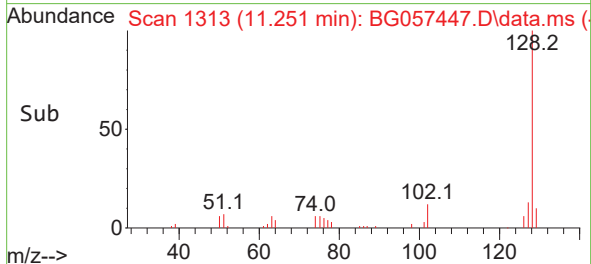
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



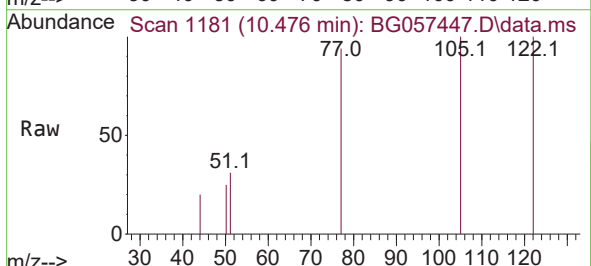
Tgt Ion:128 Resp: 31948
Ion Ratio Lower Upper
128 100
129 10.4 8.3 12.5
127 12.8 11.1 16.7

Manual Integrations
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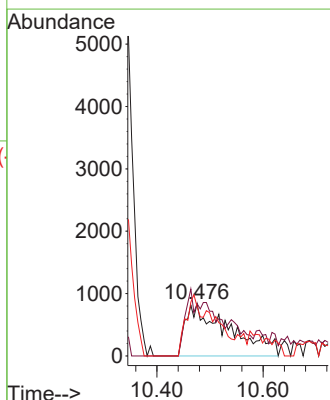
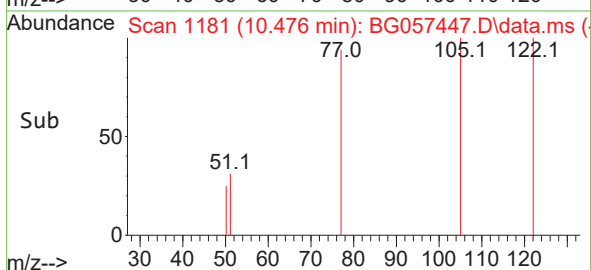
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

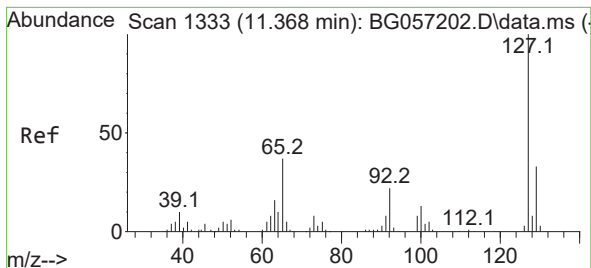


#32
Benzoic acid
Concen: 11.473 ng m
RT: 10.476 min Scan# 1181
Delta R.T. -0.014 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



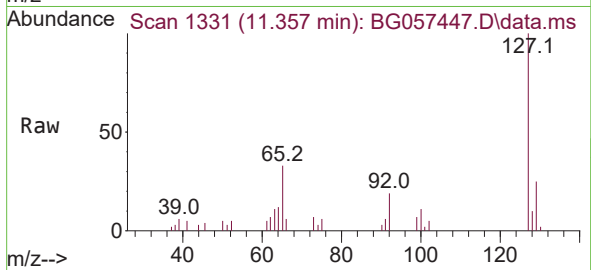
Tgt Ion:122 Resp: 4702
Ion Ratio Lower Upper
122 100
105 99.8 105.2 145.2#
77 94.0 83.1 123.1





#33
4-Chloroaniline
Concen: 8.130 ng
RT: 11.357 min Scan# 1317
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

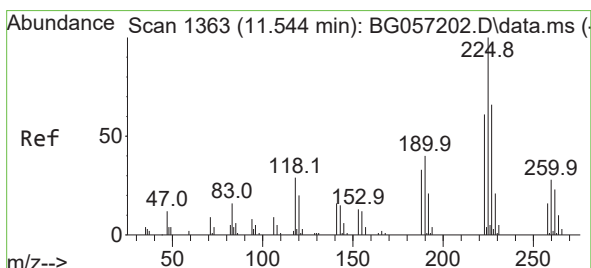
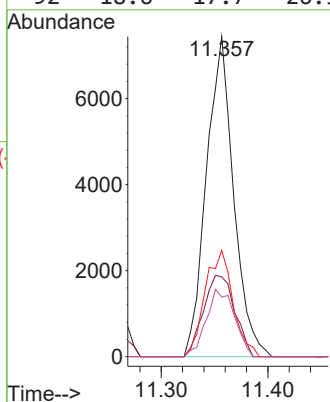
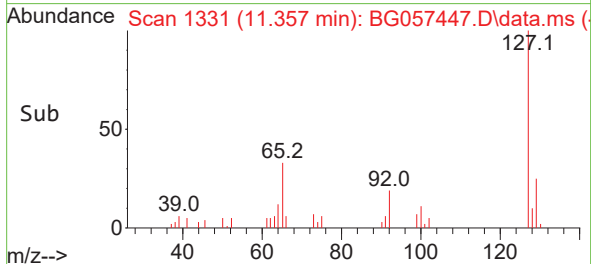
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



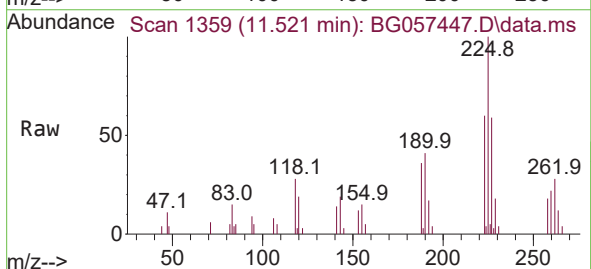
Tgt Ion	Ratio	Lower	Upper
127	100		
129	25.0	26.7	40.1
65	33.2	29.7	44.5
92	18.6	17.7	26.5

Manual Integrations
APPROVED

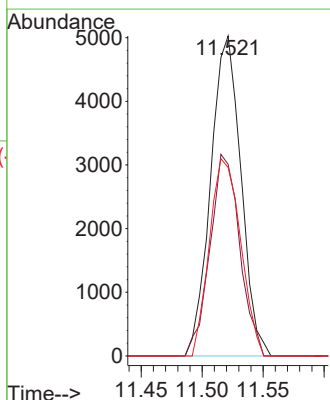
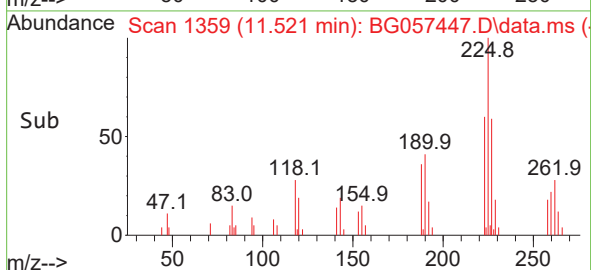
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

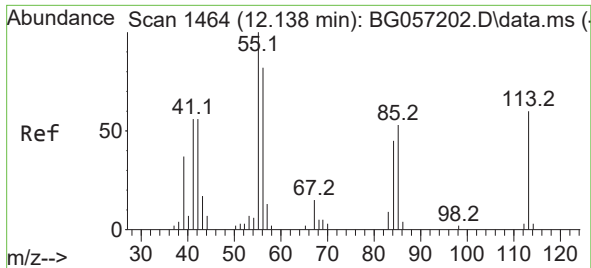


#34
Hexachlorobutadiene
Concen: 8.803 ng
RT: 11.521 min Scan# 1359
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



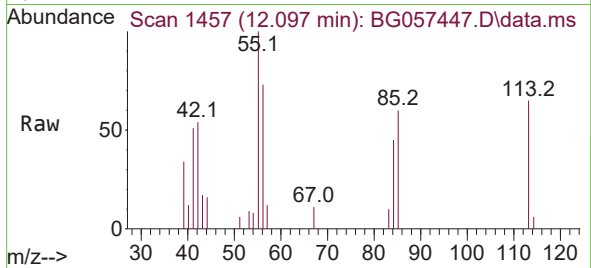
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	48.6	72.8
227	58.9	52.7	79.1





#35
Caprolactam
Concen: 8.332 ng
RT: 12.097 min Scan# 1464
Delta R.T. -0.032 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

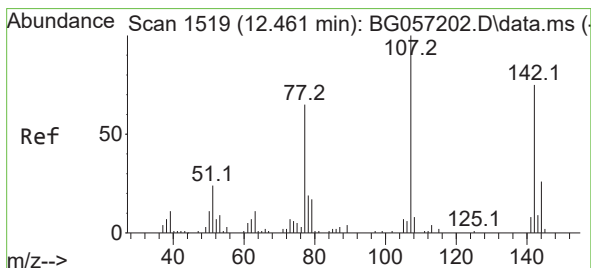
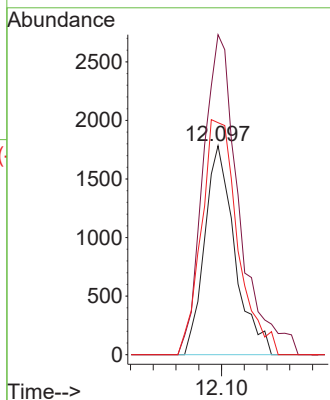
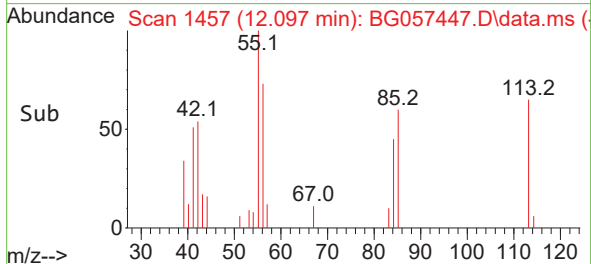
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:113 Resp: 3285
Ion Ratio Lower Upper
113 100
55 153.1 145.5 185.5
56 111.0 115.9 155.9

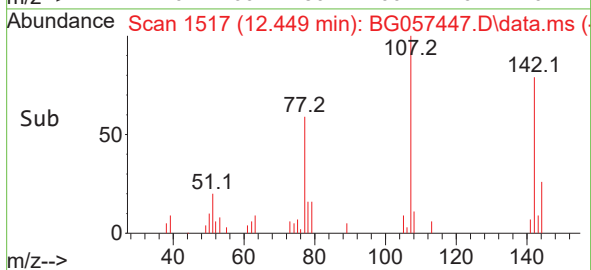
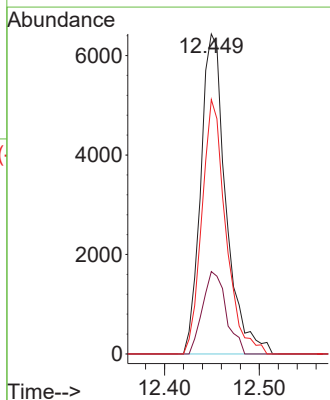
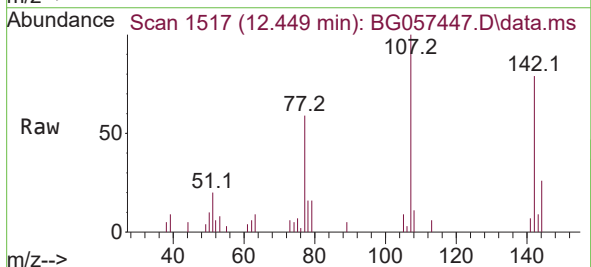
Manual Integrations
APPROVED

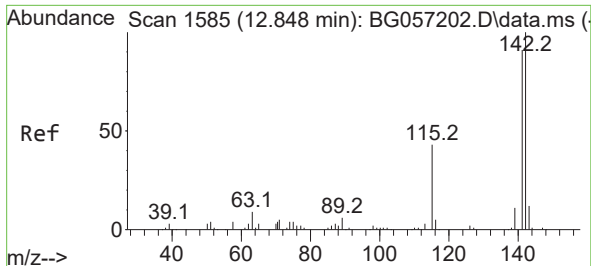
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#36
4-Chloro-3-methylphenol
Concen: 9.054 ng
RT: 12.449 min Scan# 1517
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:107 Resp: 11876
Ion Ratio Lower Upper
107 100
144 25.8 21.0 31.6
142 79.5 60.0 90.0





#37

2-Methylnaphthalene

Concen: 8.467 ng

RT: 12.831 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

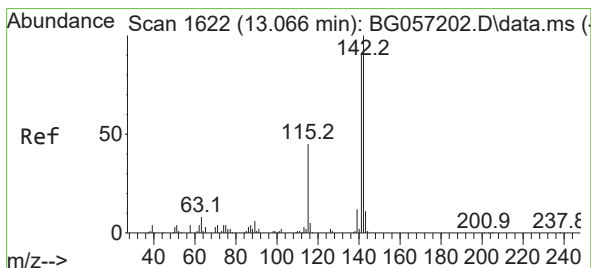
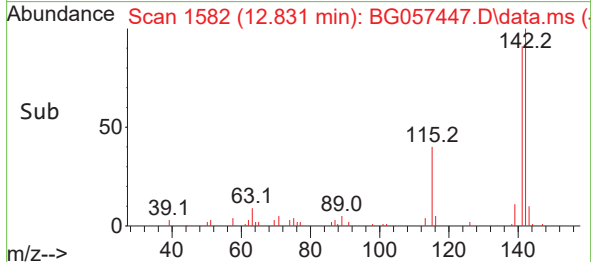
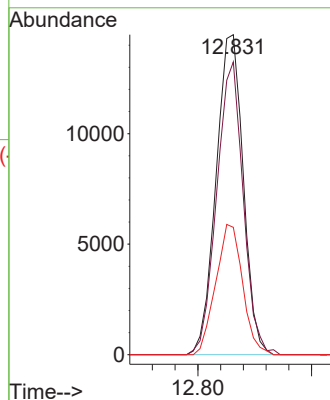
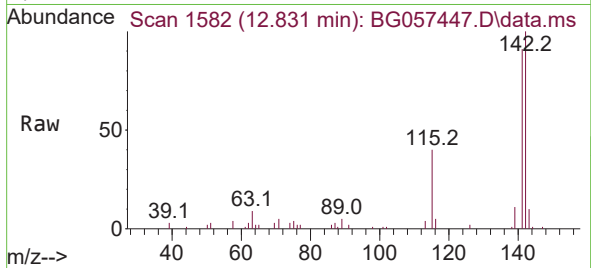
LOQ-SOIL-02-QT2-2023

Tgt Ion:	142	Resp:	24030
Ion Ratio	Lower	Upper	
142	100		
141	91.5	73.1	109.7
115	39.8	34.6	52.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#38

1-Methylnaphthalene

Concen: 8.394 ng

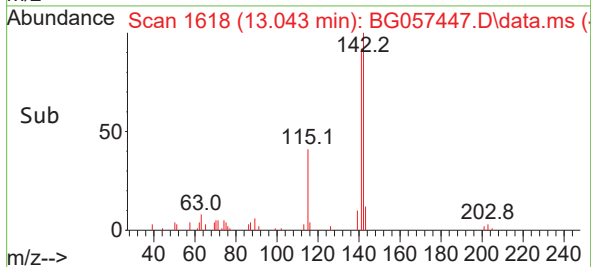
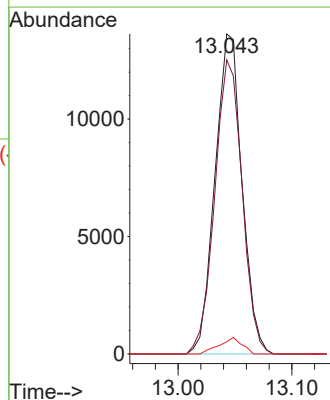
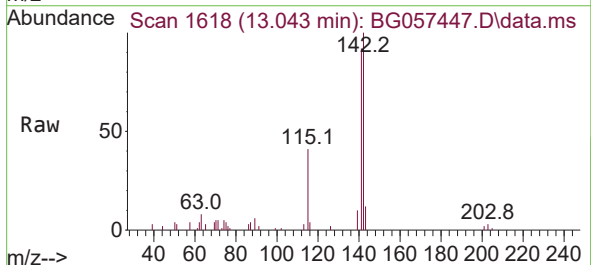
RT: 13.043 min Scan# 1618

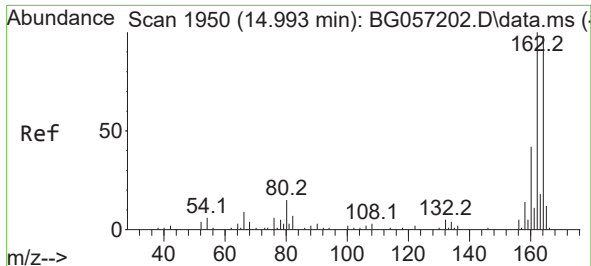
Delta R.T. -0.008 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

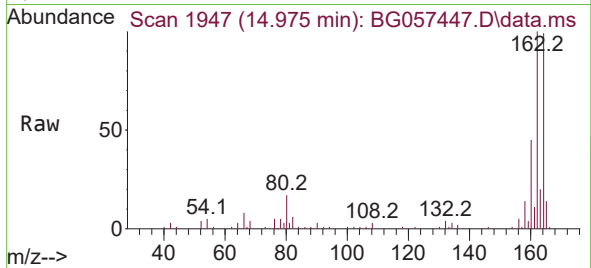
Tgt Ion:	142	Resp:	22453
Ion Ratio	Lower	Upper	
142	100		
141	91.9	72.5	108.7
116	3.8	3.7	5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

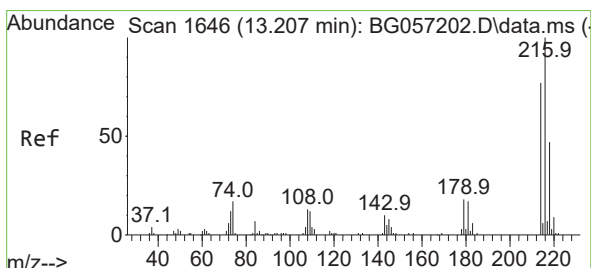
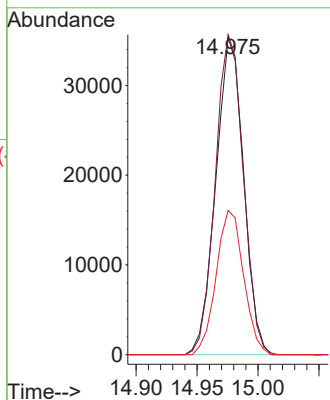
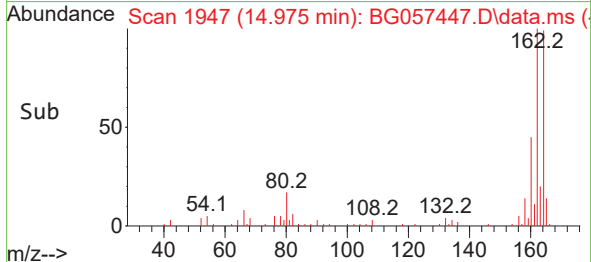
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



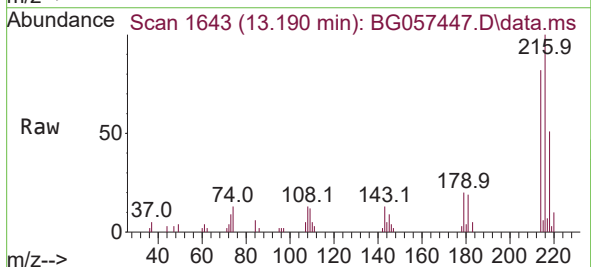
Tgt Ion:164 Resp: 5604
Ion Ratio Lower Upper
164 100
162 100.9 81.8 122.6
160 45.5 34.6 52.0

Manual Integrations
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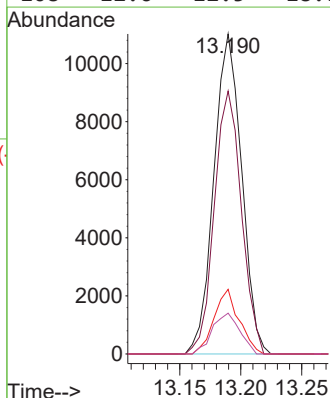
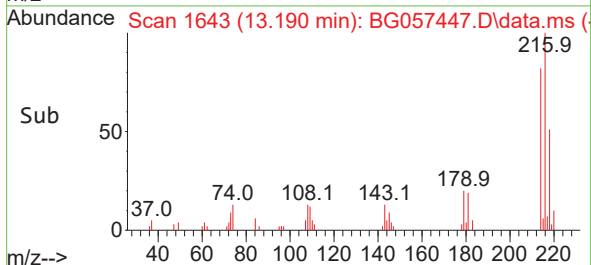
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

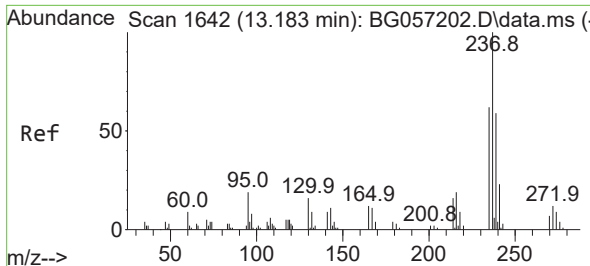


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.772 ng
RT: 13.190 min Scan# 1643
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



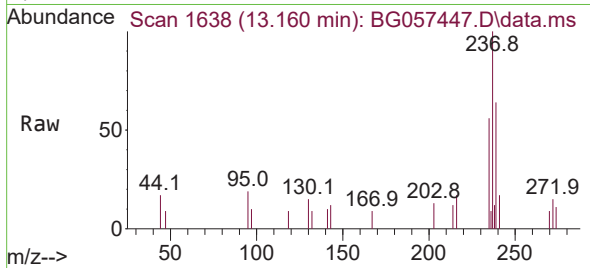
Tgt Ion:216 Resp: 17455
Ion Ratio Lower Upper
216 100
214 80.2 63.7 95.5
179 18.3 14.6 22.0
108 12.6 12.5 18.7





#41
Hexachlorocyclopentadiene
Concen: 8.876 ng
RT: 13.160 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

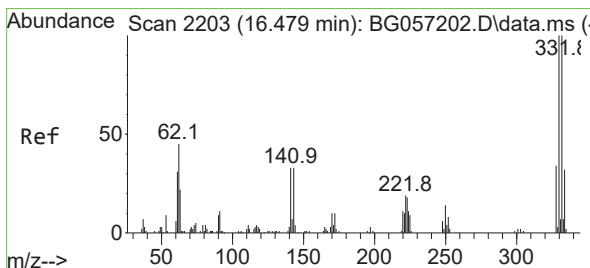
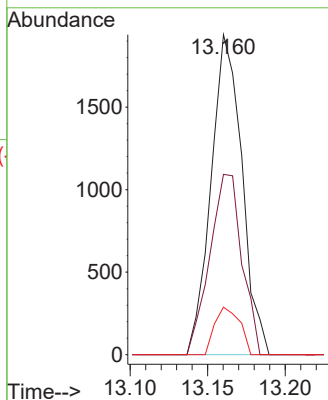
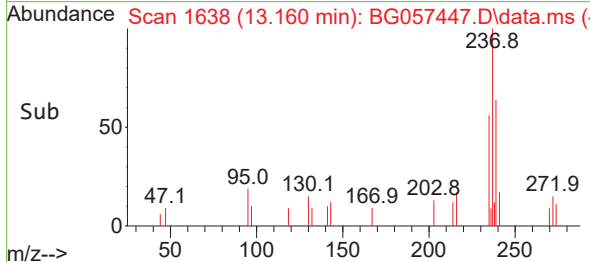
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



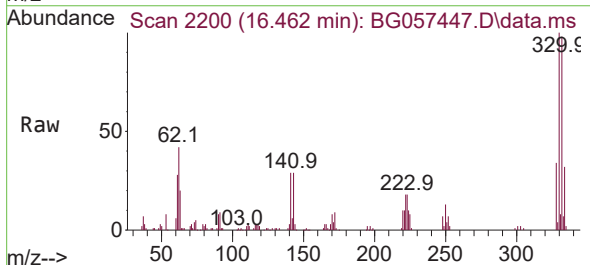
Tgt Ion: 237 Resp: 2679
Ion Ratio Lower Upper
237 100
235 56.4 42.0 82.0
272 14.9 0.0 31.5

Manual Integrations
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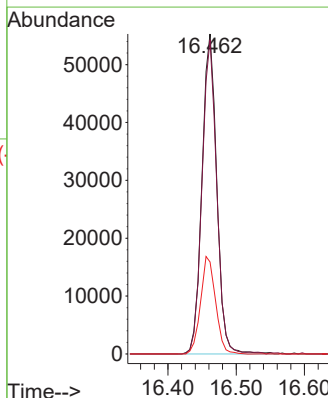
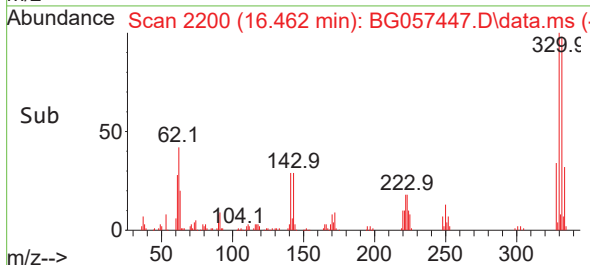
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

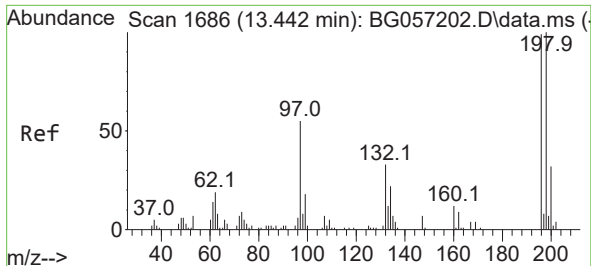


#42
2,4,6-Tribromophenol
Concen: 104.598 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



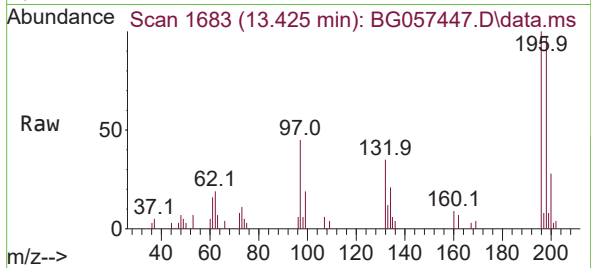
Tgt Ion: 330 Resp: 83183
Ion Ratio Lower Upper
330 100
332 97.2 78.2 117.2
141 30.8 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 8.112 ng
RT: 13.425 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

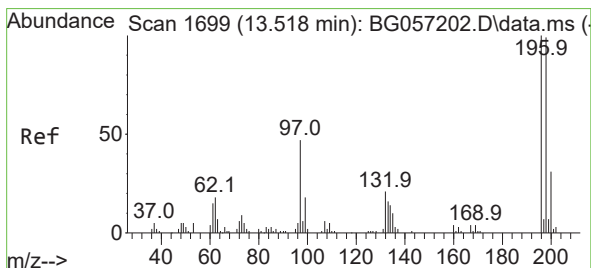
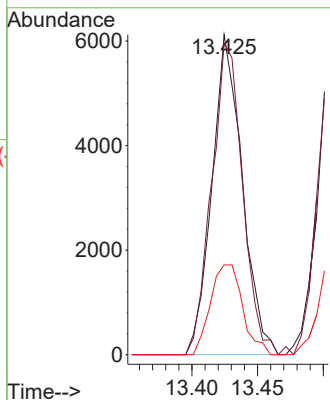
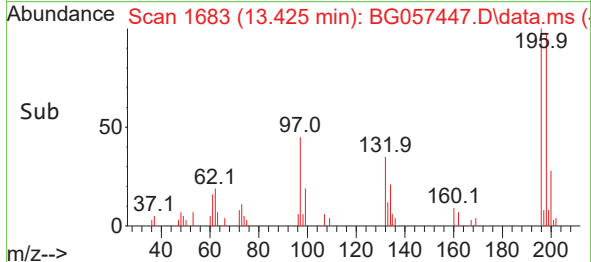
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:196 Resp: 9834
Ion Ratio Lower Upper
196 100
198 97.4 81.2 121.8
200 28.1 26.3 39.5

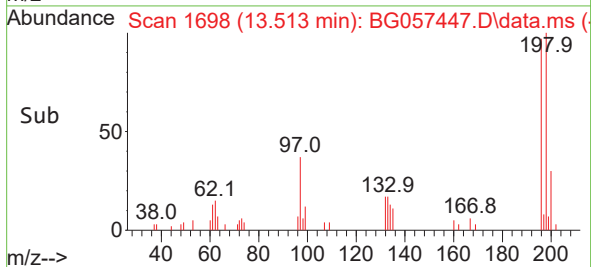
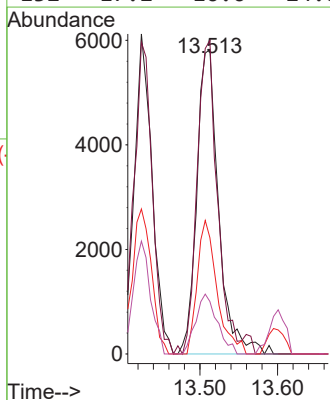
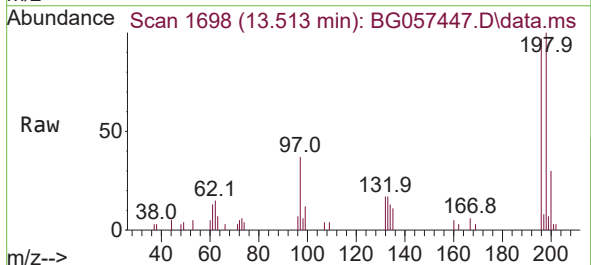
Manual Integrations
APPROVED

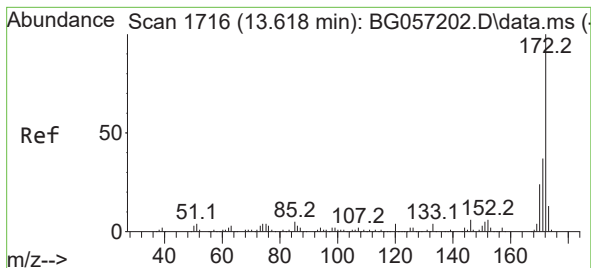
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#44
2,4,5-Trichlorophenol
Concen: 8.021 ng
RT: 13.513 min Scan# 1698
Delta R.T. 0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

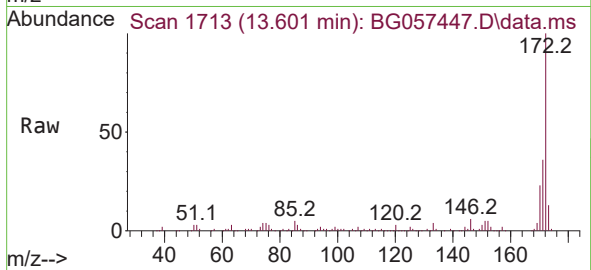
Tgt Ion:196 Resp: 11437
Ion Ratio Lower Upper
196 100
198 102.9 79.4 119.2
97 38.2 37.0 55.4
132 17.2 16.6 24.8





#45
2-Fluorobiphenyl
Concen: 71.029 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

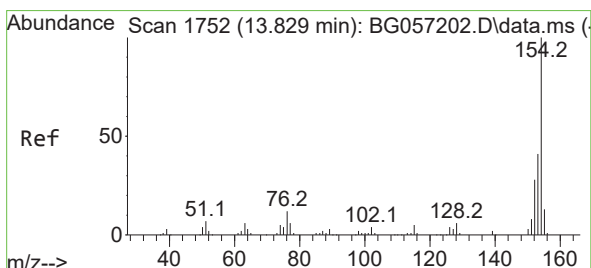
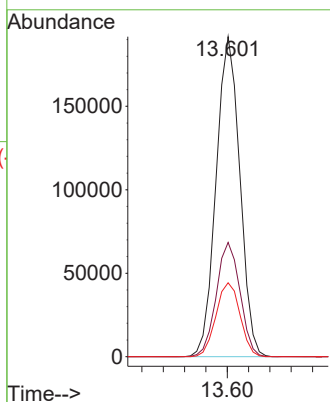
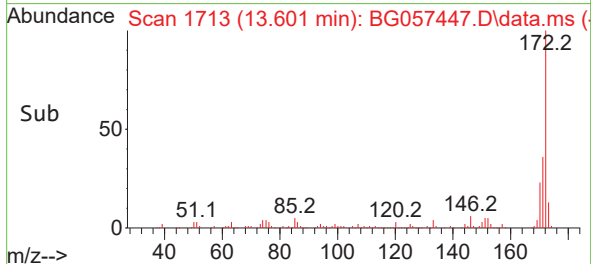
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



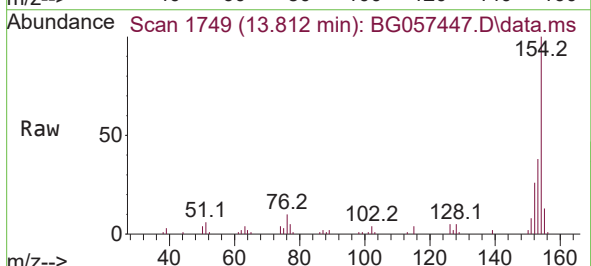
Tgt Ion:172 Resp: 295592
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.1 19.0 28.6

Manual Integrations
APPROVED

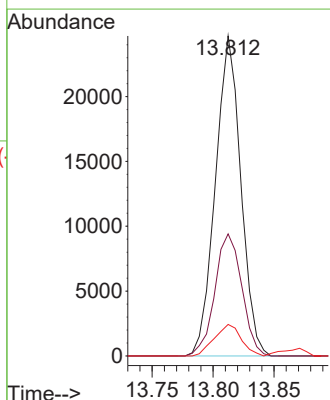
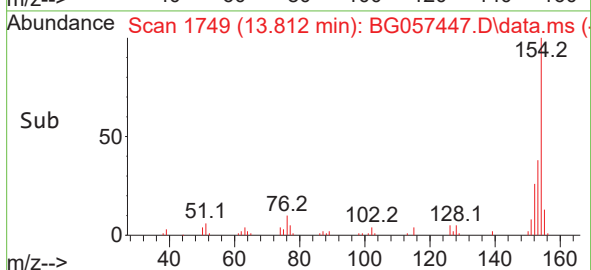
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

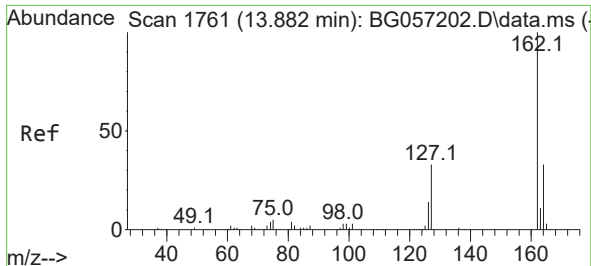


#46
1,1'-Biphenyl
Concen: 8.608 ng
RT: 13.812 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



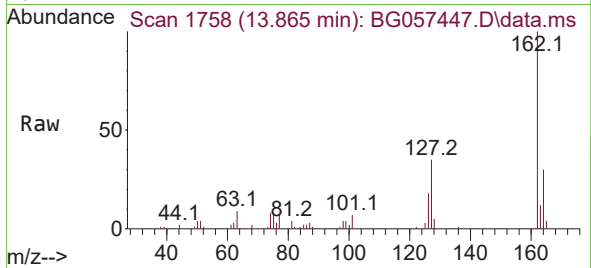
Tgt Ion:154 Resp: 35802
Ion Ratio Lower Upper
154 100
153 38.2 20.9 60.9
76 9.8 0.0 31.7





#47
2-Chloronaphthalene
Concen: 8.950 ng
RT: 13.865 min Scan# 1758
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

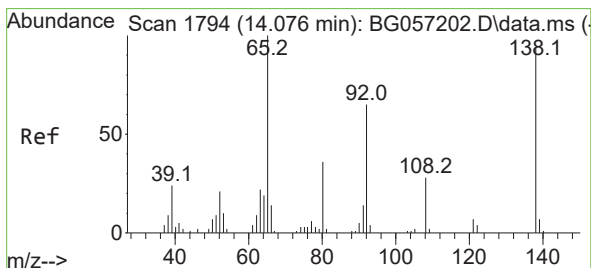
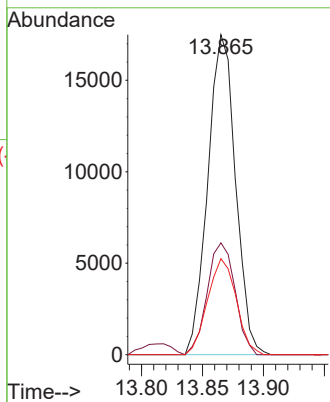
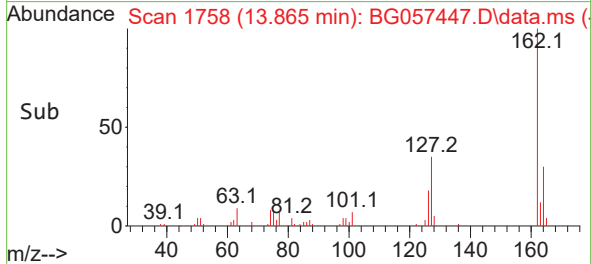
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:162 Resp: 2768
Ion Ratio Lower Upper
162 100
127 35.0 29.8 44.6
164 30.0 26.6 40.0

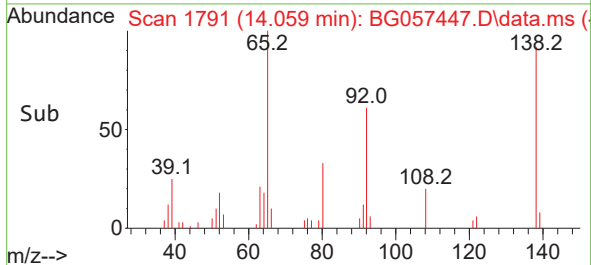
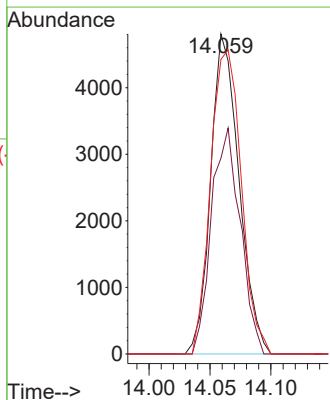
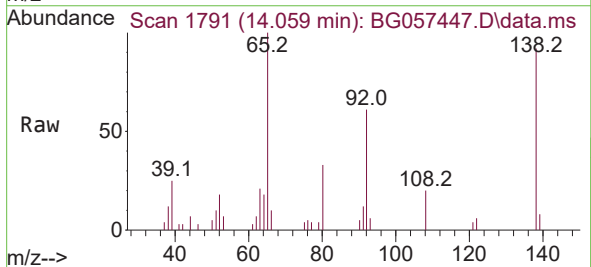
Manual Integrations
APPROVED

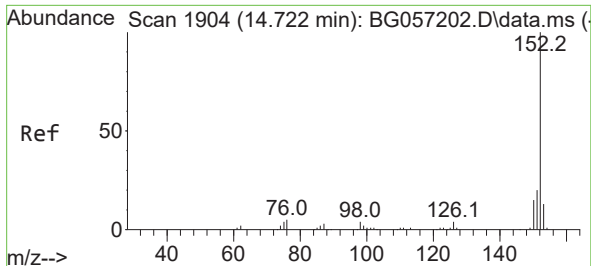
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#48
2-Nitroaniline
Concen: 7.387 ng
RT: 14.059 min Scan# 1791
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

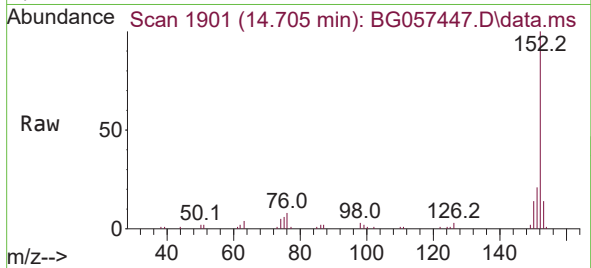
Tgt Ion: 65 Resp: 7768
Ion Ratio Lower Upper
65 100
92 61.1 52.1 78.1
138 92.1 75.3 112.9





#49
Acenaphthylene
Concen: 8.283 ng
RT: 14.705 min Scan# 1901
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

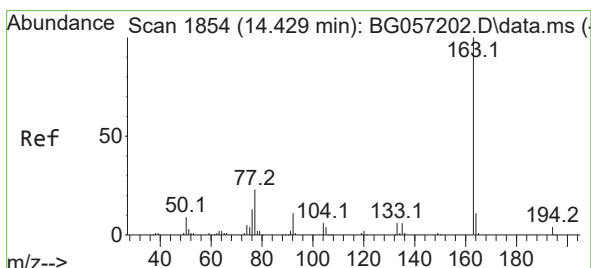
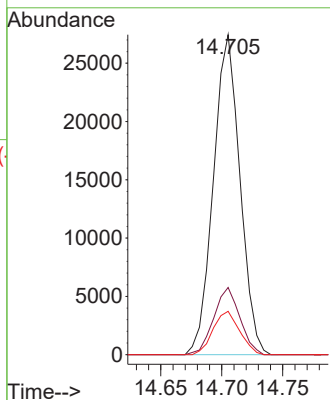
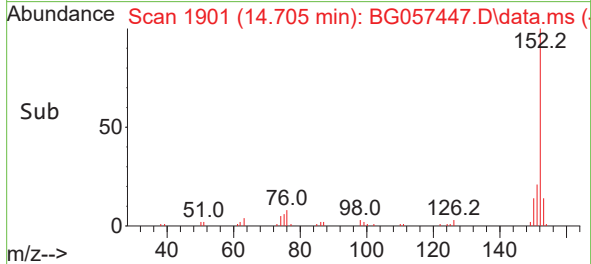
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2023



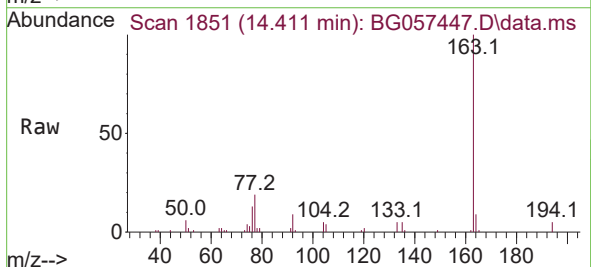
Tgt Ion:152 Resp: 41618
Ion Ratio Lower Upper
152 100
151 21.0 16.0 24.0
153 13.6 10.7 16.1

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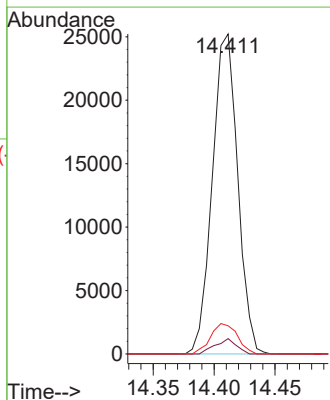
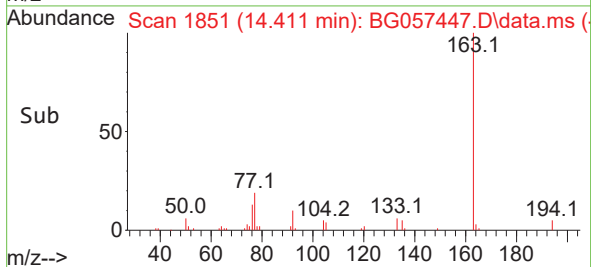
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

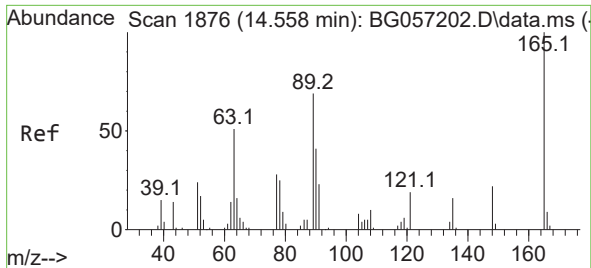


#50
Dimethylphthalate
Concen: 7.933 ng
RT: 14.411 min Scan# 1851
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



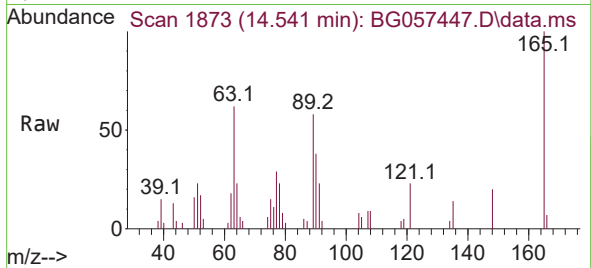
Tgt Ion:163 Resp: 36536
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 8.8 8.8 13.2#





#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 14.541 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

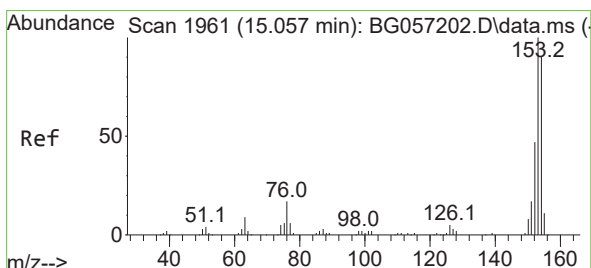
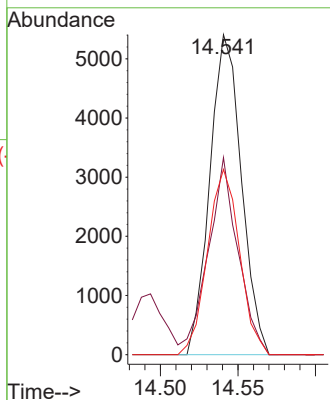
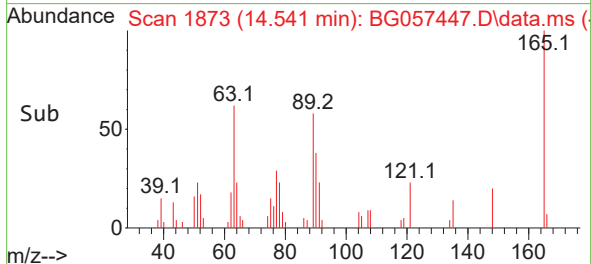
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 764
Ion Ratio Lower Upper
165 100
63 61.6 50.9 76.3
89 57.9 55.2 82.8

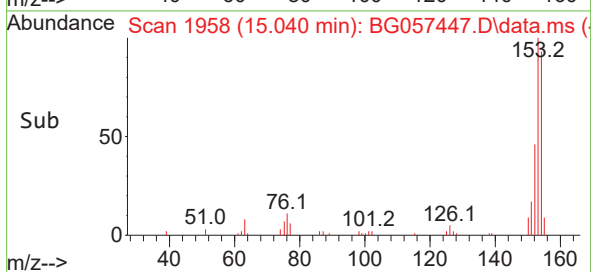
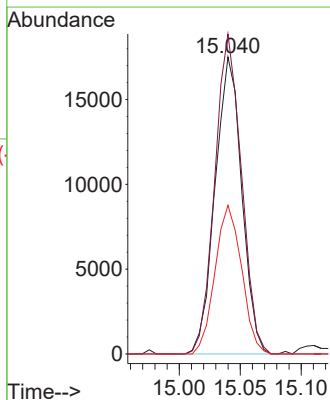
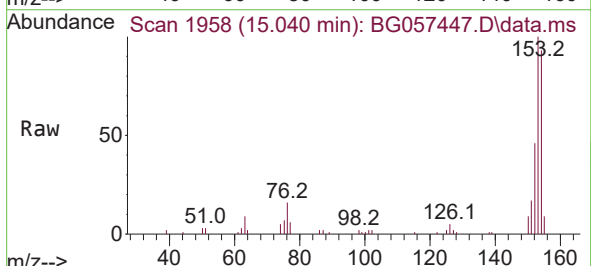
Manual Integrations
APPROVED

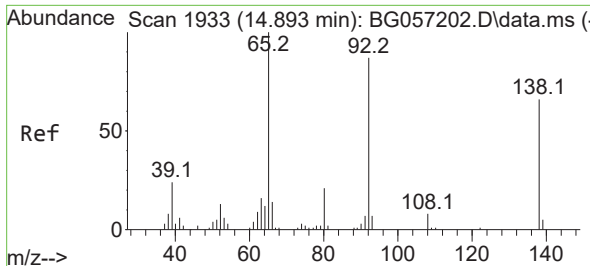
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#52
Acenaphthene
Concen: 8.484 ng
RT: 15.040 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

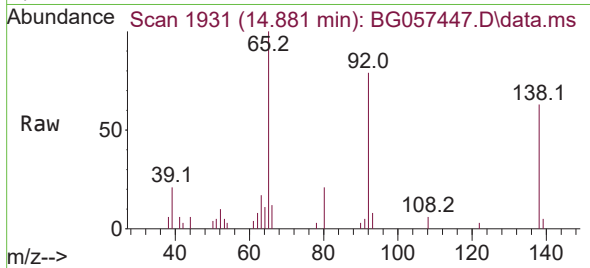
Tgt Ion:154 Resp: 26638
Ion Ratio Lower Upper
154 100
153 107.8 89.3 133.9
152 50.1 41.7 62.5





#53
3-Nitroaniline
Concen: 7.381 ng
RT: 14.881 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

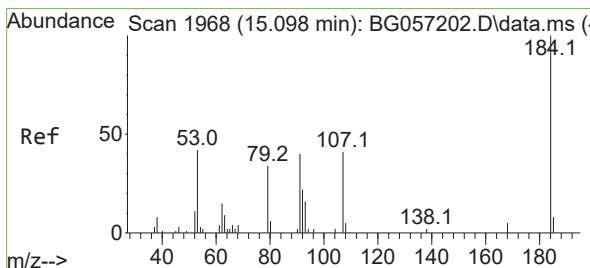
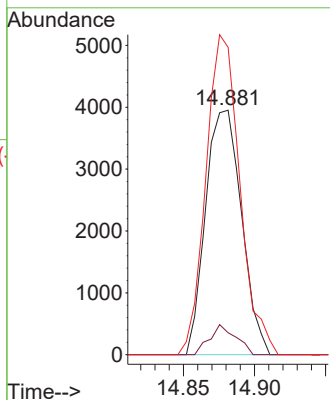
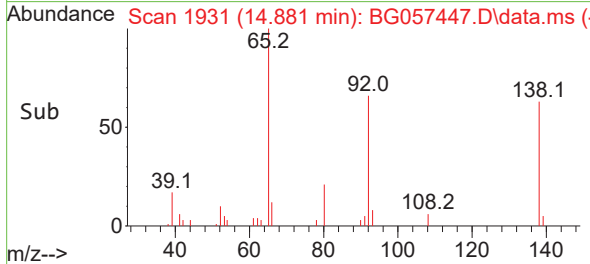
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:138 Resp: 6954
Ion Ratio Lower Upper
138 100
108 9.0 9.5 14.3#
92 125.8 106.2 159.4

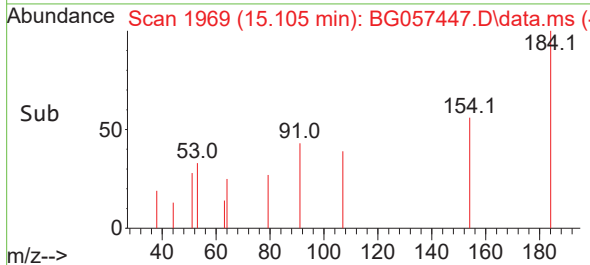
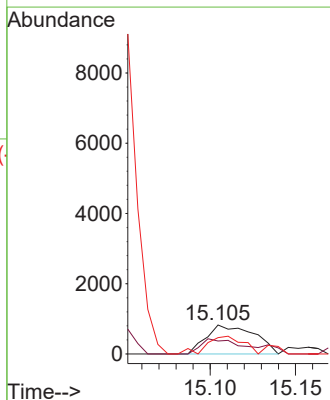
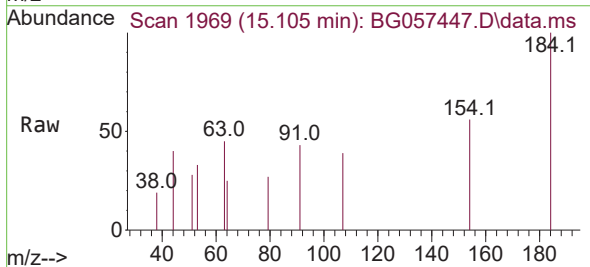
Manual Integrations
APPROVED

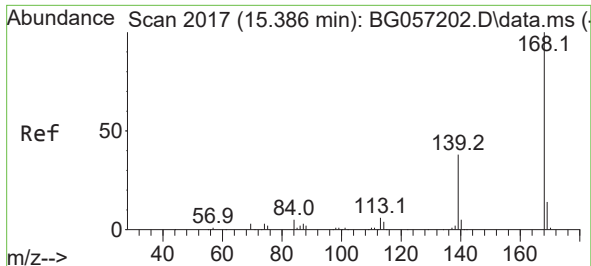
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#54
2,4-Dinitrophenol
Concen: 7.500 ng
RT: 15.105 min Scan# 1969
Delta R.T. 0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

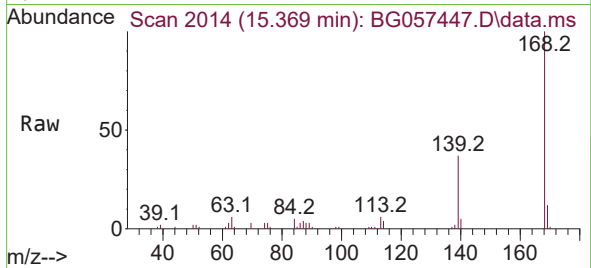
Tgt Ion:184 Resp: 1603
Ion Ratio Lower Upper
184 100
63 44.8 48.2 72.4#
154 56.4 55.4 83.2





#55
Dibenzenofuran
Concen: 8.588 ng
RT: 15.369 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

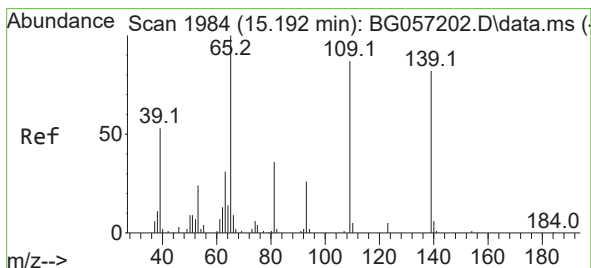
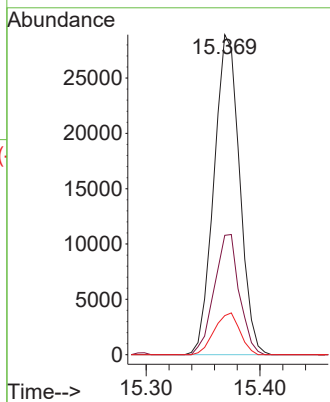
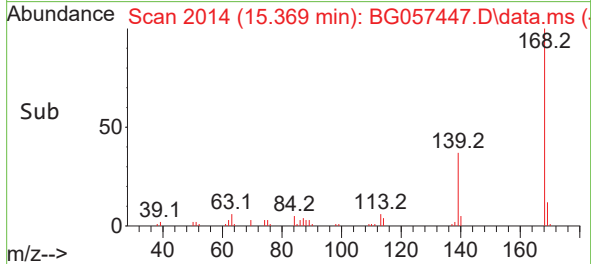
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



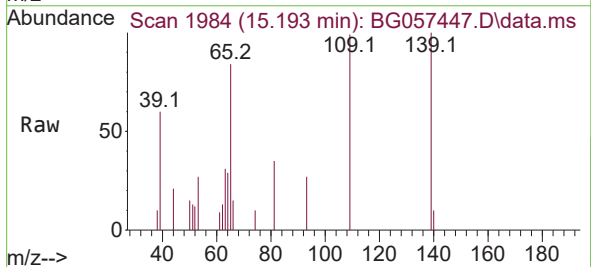
Tgt Ion:168 Resp: 45304
Ion Ratio Lower Upper
168 100
139 37.3 30.7 46.1
169 12.2 10.9 16.3

Manual Integrations
APPROVED

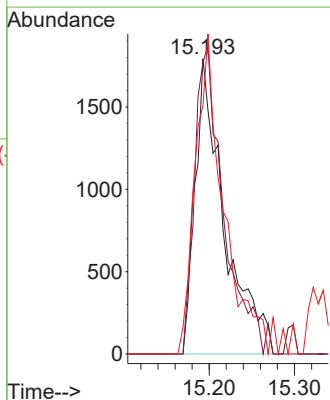
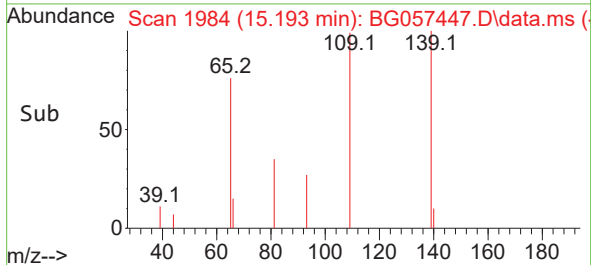
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

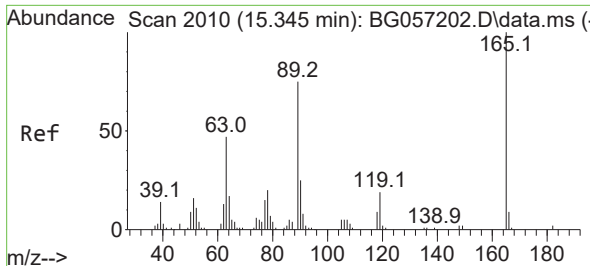


#56
4-Nitrophenol
Concen: 6.856 ng
RT: 15.193 min Scan# 1984
Delta R.T. 0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



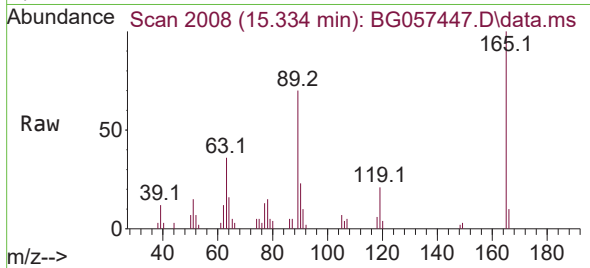
Tgt Ion:139 Resp: 4296
Ion Ratio Lower Upper
139 100
109 98.9 86.6 126.6
65 84.3 102.6 142.6#





#57
2,4-Dinitrotoluene
Concen: 8.203 ng
RT: 15.334 min Scan# 2010
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

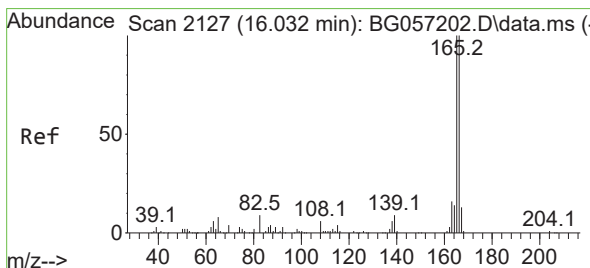
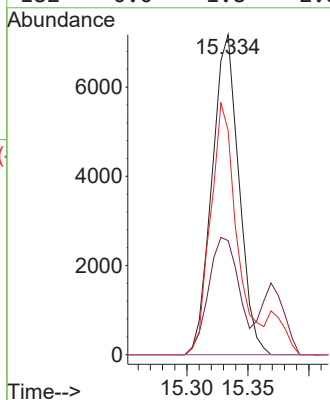
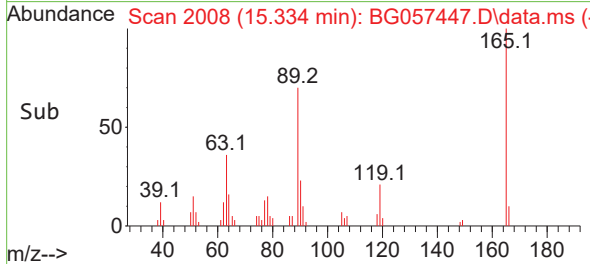
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 11025
Ion Ratio Lower Upper
165 100
63 35.6 37.5 56.3
89 70.1 60.2 90.4
182 0.0 1.8 2.8#

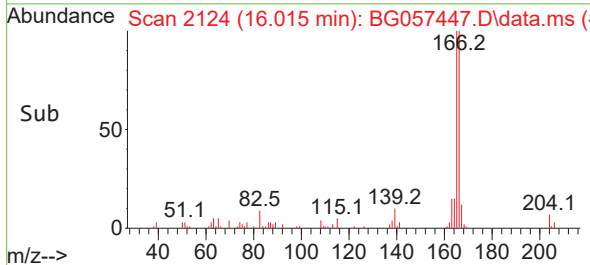
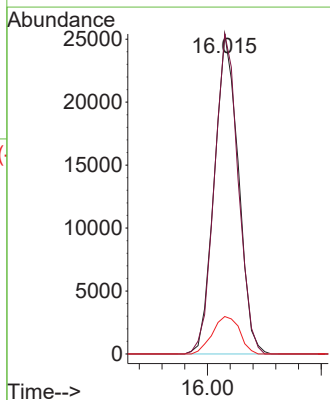
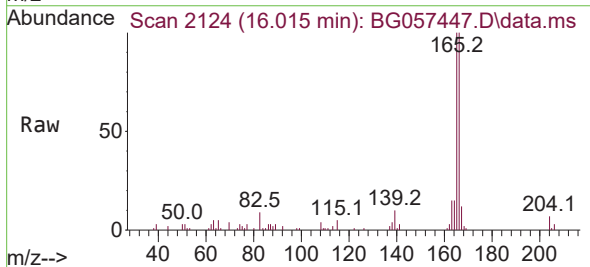
Manual Integrations
APPROVED

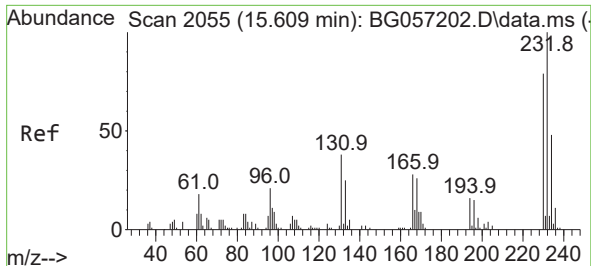
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#58
Fluorene
Concen: 8.561 ng
RT: 16.015 min Scan# 2124
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

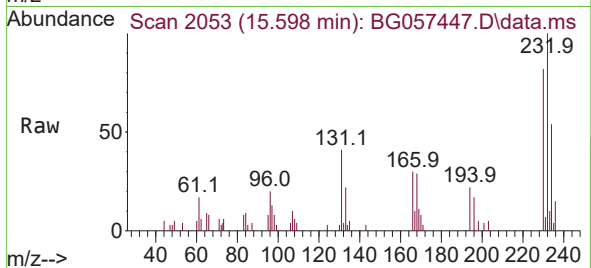
Tgt Ion:166 Resp: 37198
Ion Ratio Lower Upper
166 100
165 100.0 80.1 120.1
167 11.7 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.060 ng
RT: 15.598 min Scan# 2053
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

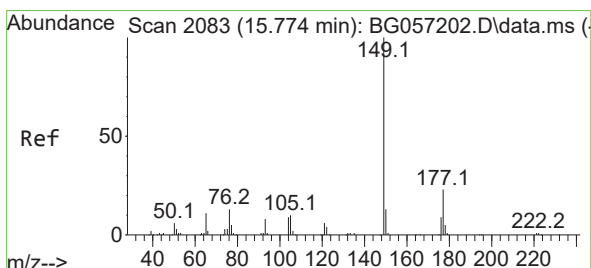
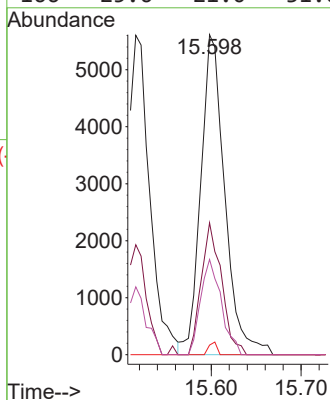
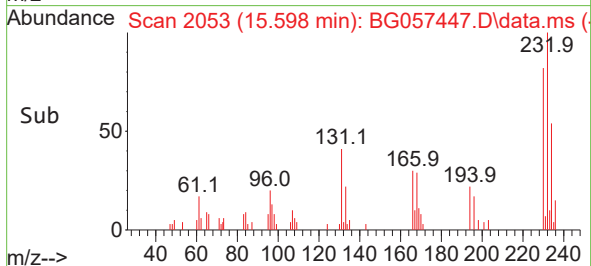
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:232 Resp: 10420
Ion Ratio Lower Upper
232 100
131 34.8 28.6 42.8
130 1.3 1.6 2.4
166 25.6 21.0 31.6

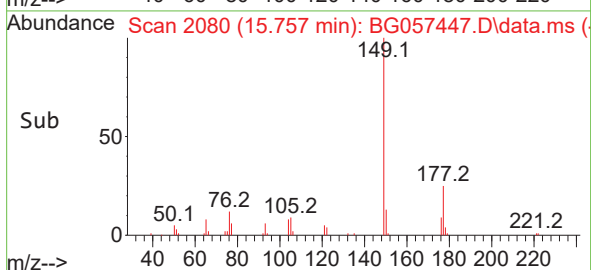
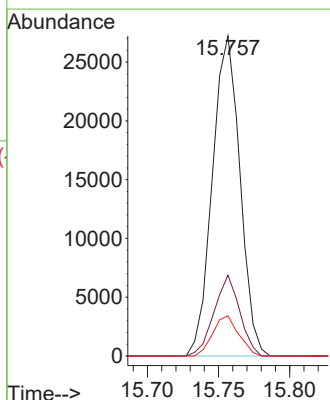
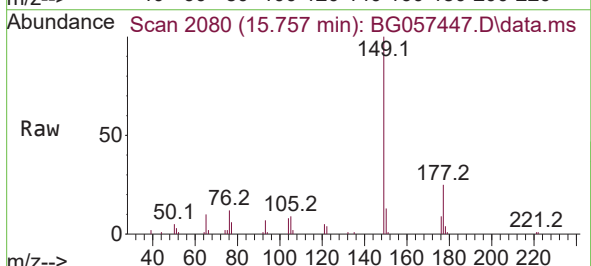
Manual Integrations
APPROVED

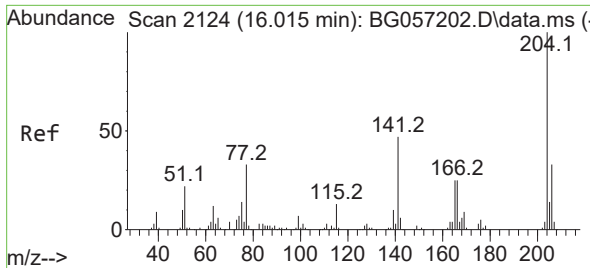
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#60
Diethylphthalate
Concen: 7.847 ng
RT: 15.757 min Scan# 2080
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:149 Resp: 36701
Ion Ratio Lower Upper
149 100
177 25.2 18.3 27.5
150 12.6 10.1 15.1





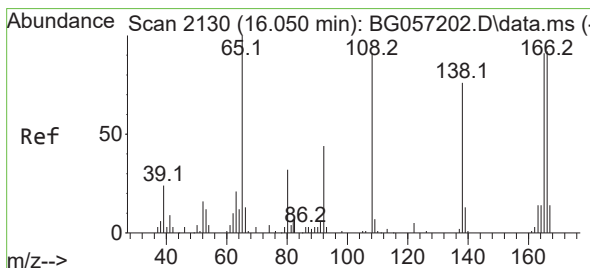
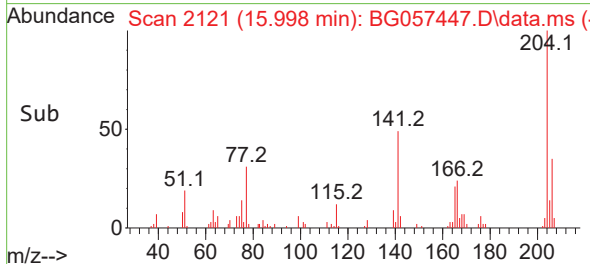
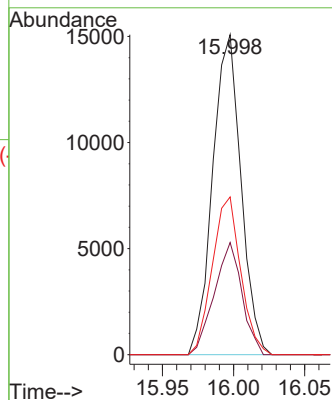
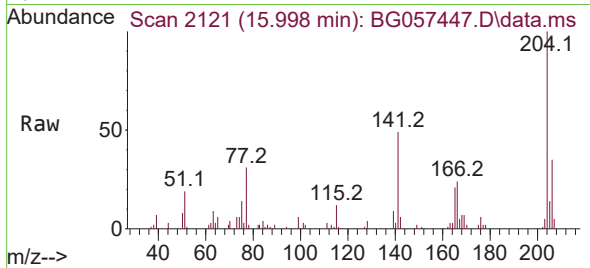
#61
4-Chlorophenyl-phenylether
Concen: 7.971 ng
RT: 15.998 min Scan# 2124
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:204 Resp: 2086
Ion Ratio Lower Upper
204 100
206 35.0 26.5 39.7
141 49.3 37.4 56.0

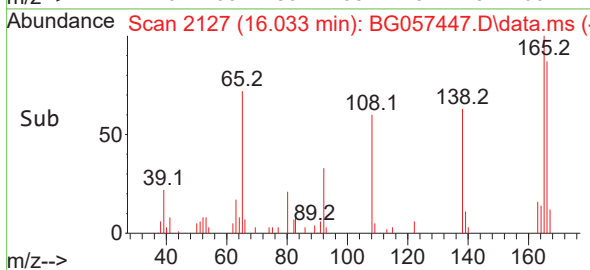
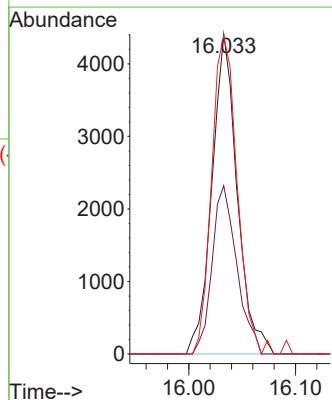
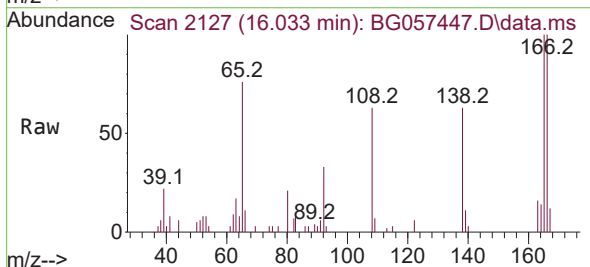
Manual Integrations
APPROVED

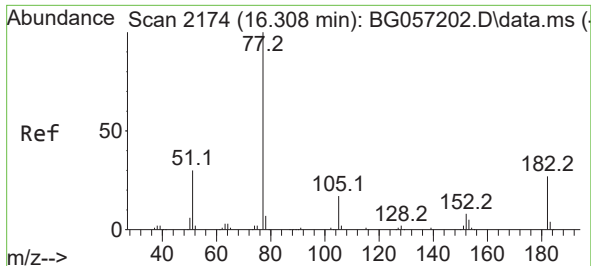
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#62
4-Nitroaniline
Concen: 7.627 ng
RT: 16.033 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

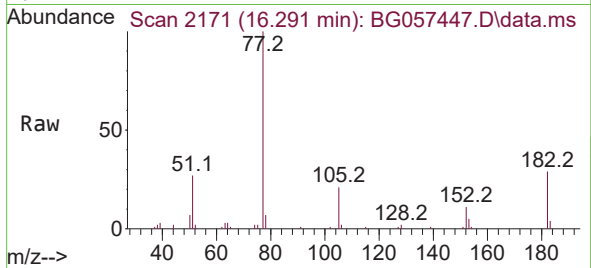
Tgt Ion:138 Resp: 7249
Ion Ratio Lower Upper
138 100
92 52.6 38.2 78.2
108 99.5 99.6 139.6#





#63
Azobenzene
Concen: 7.563 ng
RT: 16.291 min Scan# 2174
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

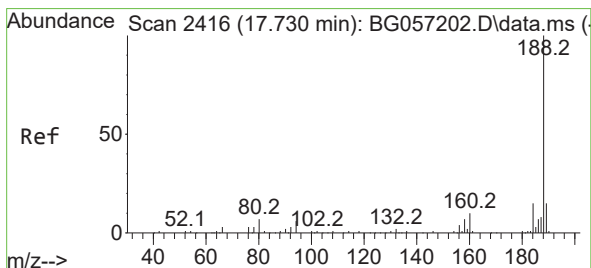
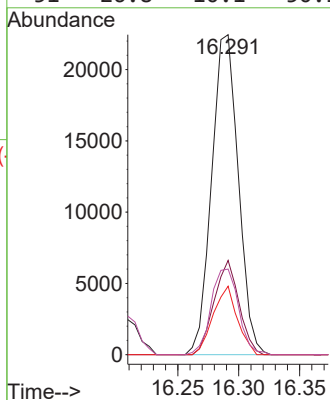
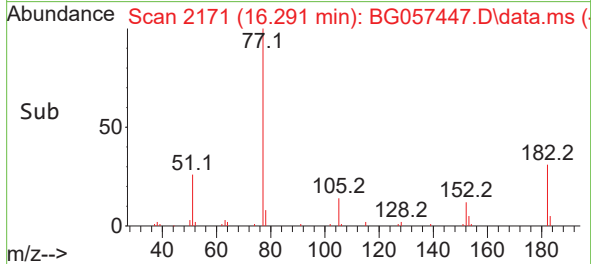
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



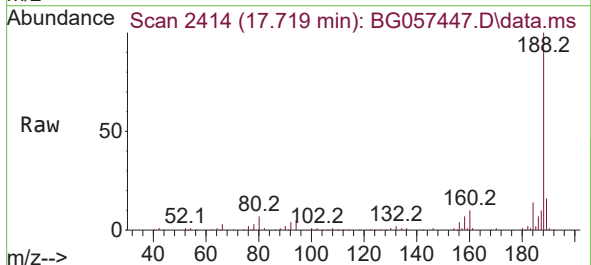
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.4	7.4	47.4
105	21.4	0.0	37.2
51	26.8	10.1	50.1

Manual Integrations
APPROVED

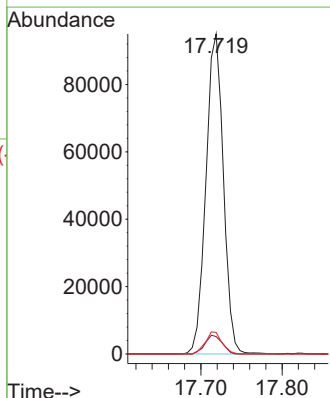
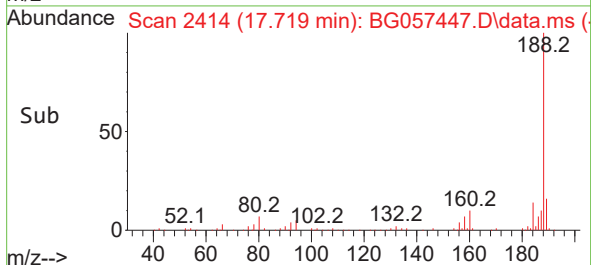
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

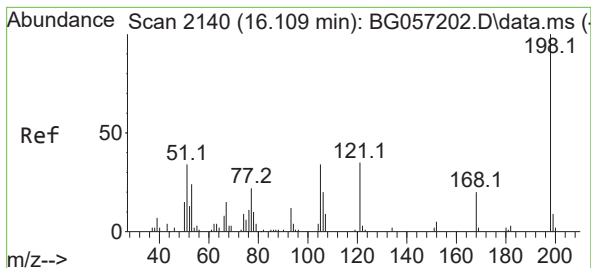


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2414
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



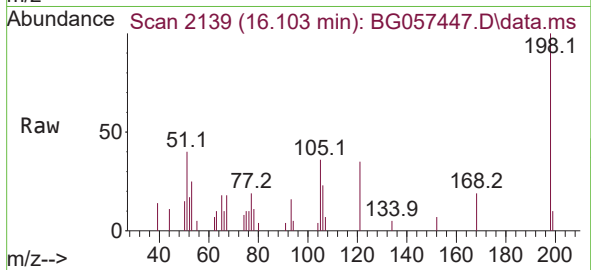
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.1	7.7
80	6.8	5.7	8.5





#65
4,6-Dinitro-2-methylphenol
Concen: 8.220 ng
RT: 16.103 min Scan# 2140
Delta R.T. 0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

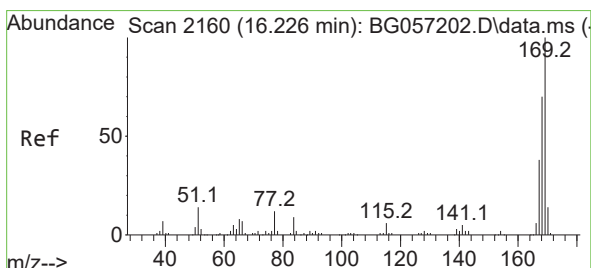
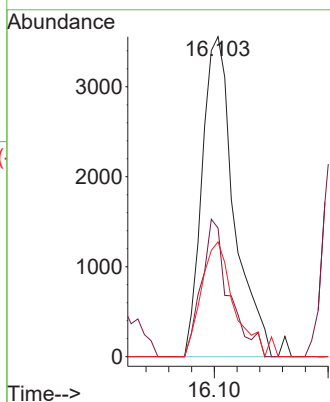
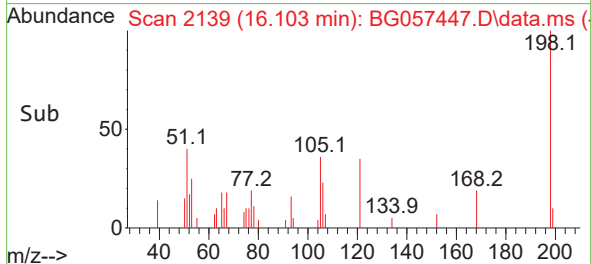
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



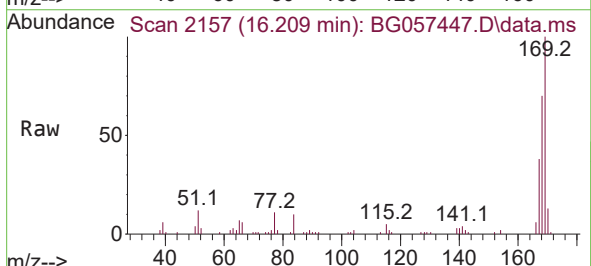
Tgt Ion:198 Resp: 694
Ion Ratio Lower Upper
198 100
51 40.2 16.1 56.1
105 35.9 14.0 54.0

Manual Integrations
APPROVED

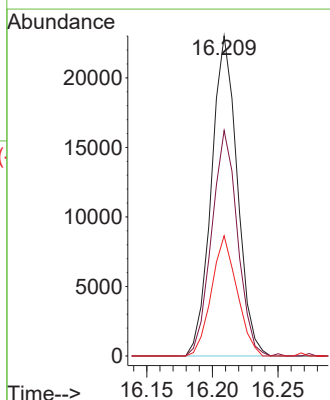
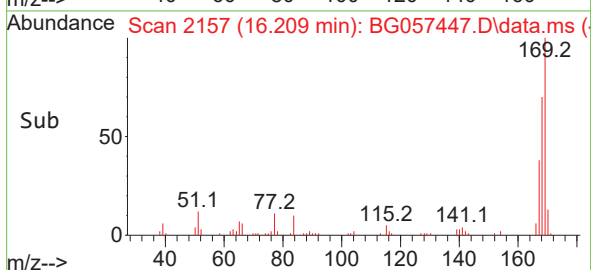
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

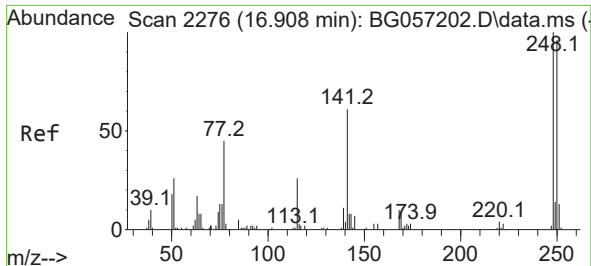


#66
n-Nitrosodiphenylamine
Concen: 8.211 ng
RT: 16.209 min Scan# 2157
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



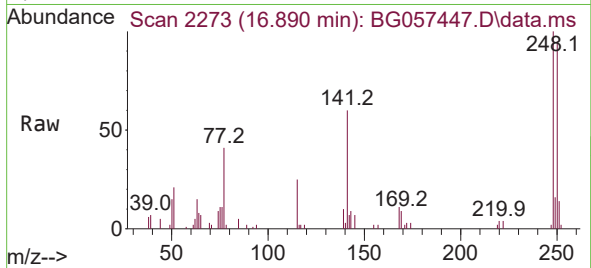
Tgt Ion:169 Resp: 31552
Ion Ratio Lower Upper
169 100
168 70.5 56.2 84.4
167 37.6 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 8.426 ng
RT: 16.890 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

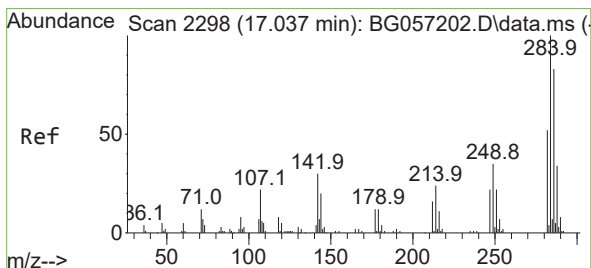
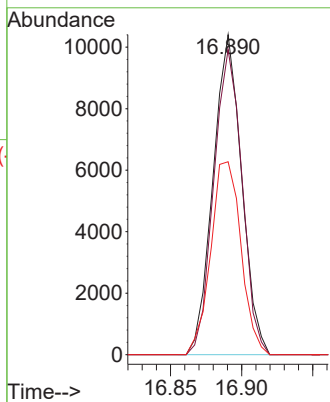
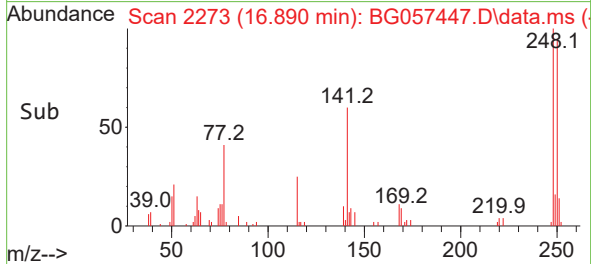
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



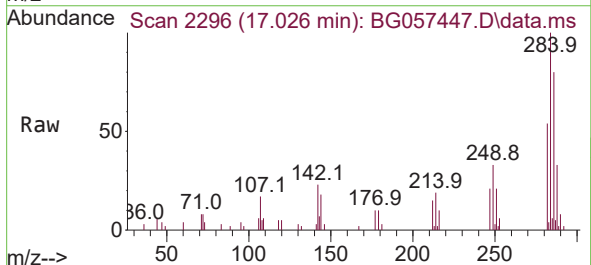
Tgt Ion:248 Resp: 1455
Ion Ratio Lower Upper
248 100
250 95.3 77.0 115.6
141 60.3 48.6 72.8

Manual Integrations
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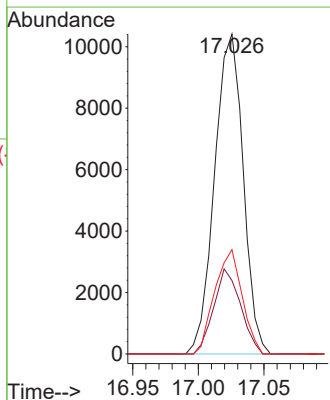
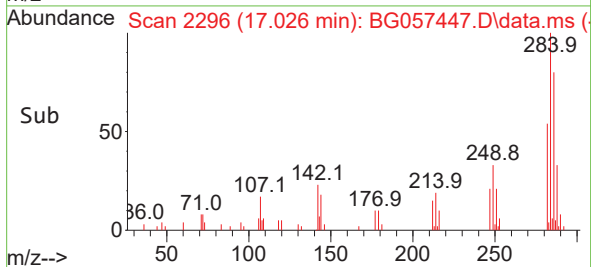
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

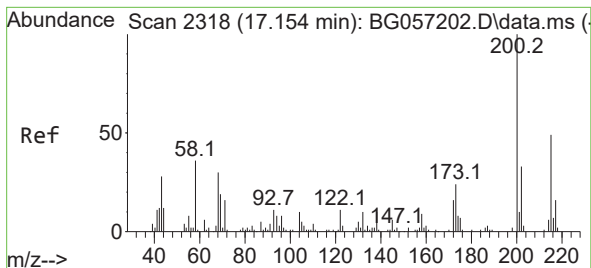


#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 17.026 min Scan# 2296
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:284 Resp: 15749
Ion Ratio Lower Upper
284 100
142 22.9 23.9 35.9#
249 32.6 27.7 41.5





#69

Atrazine

Concen: 9.180 ng

RT: 17.137 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

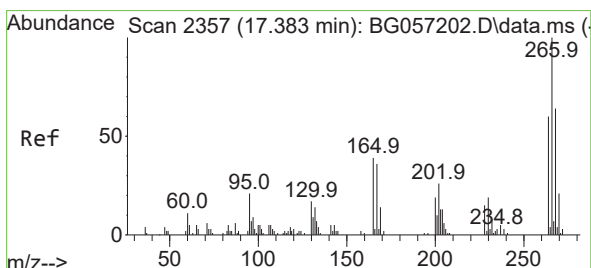
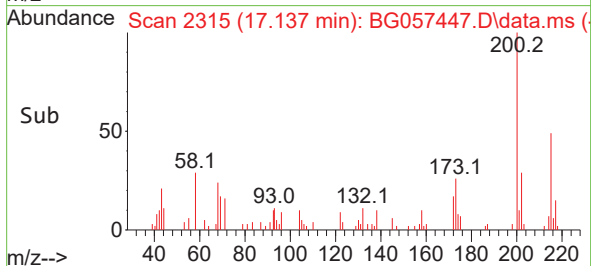
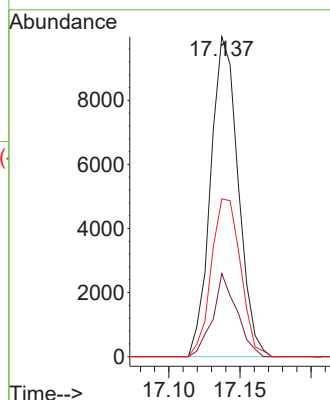
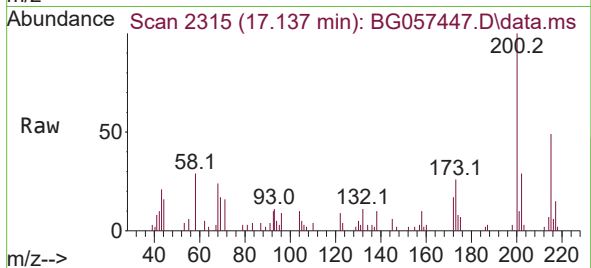
Tgt Ion:200	Resp:	1345
Ion Ratio	Lower	Upper
200	100	
173	26.0	4.3 44.3
215	49.3	29.3 69.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#70

Pentachlorophenol

Concen: 9.035 ng

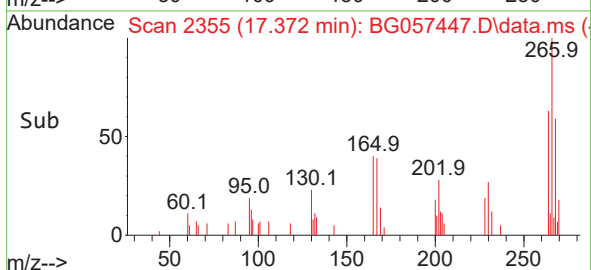
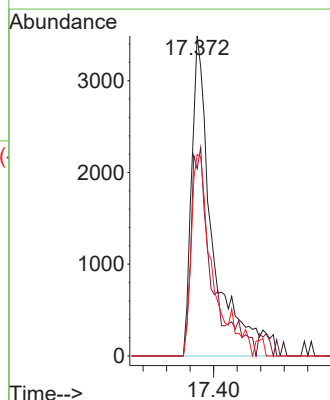
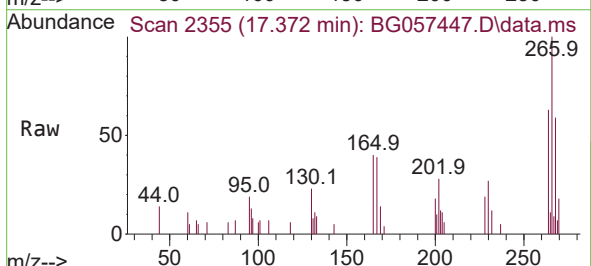
RT: 17.372 min Scan# 2355

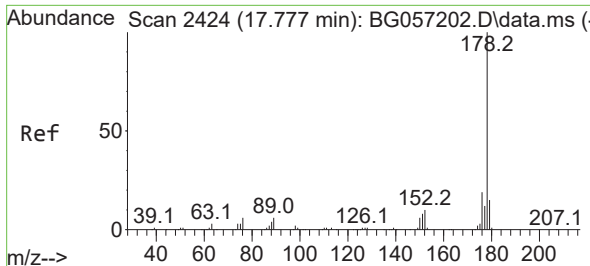
Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

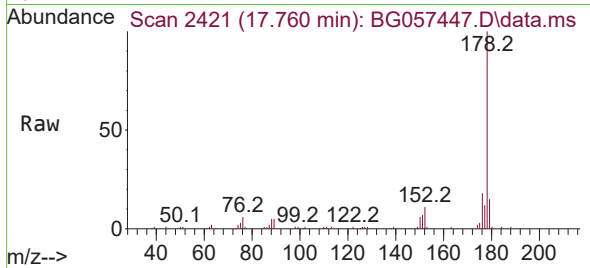
Tgt Ion:266	Resp:	8739
Ion Ratio	Lower	Upper
266	100	
268	58.6	51.0 76.6
264	62.9	47.8 71.6





#71
Phenanthrene
Concen: 8.574 ng
RT: 17.760 min Scan# 2424
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

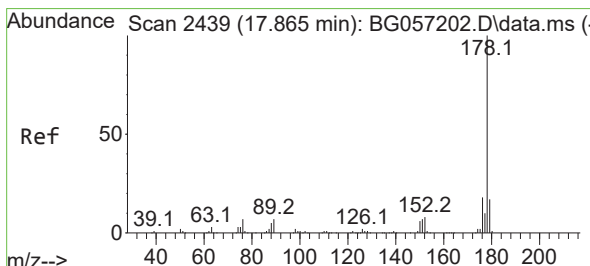
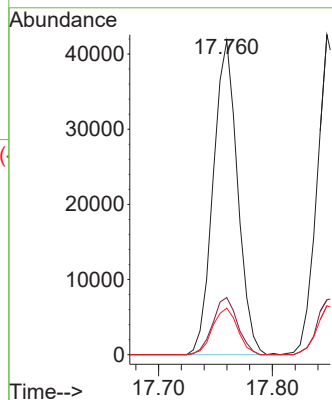
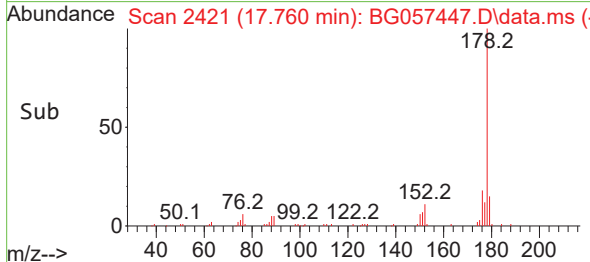
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:178 Resp: 6216
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.8 12.3 18.5

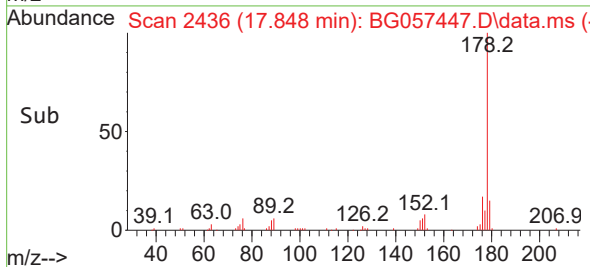
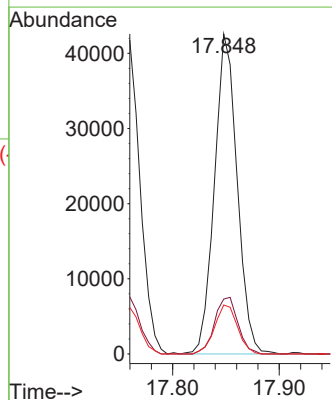
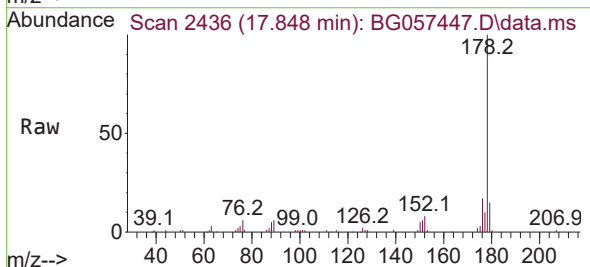
Manual Integrations
APPROVED

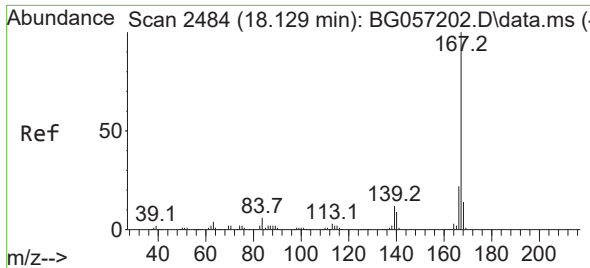
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#72
Anthracene
Concen: 8.452 ng
RT: 17.848 min Scan# 2436
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

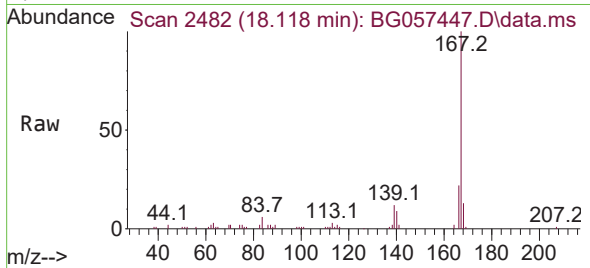
Tgt Ion:178 Resp: 62871
Ion Ratio Lower Upper
178 100
176 17.1 14.7 22.1
179 15.3 13.2 19.8





#73
Carbazole
Concen: 8.445 ng
RT: 18.118 min Scan# 2484
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

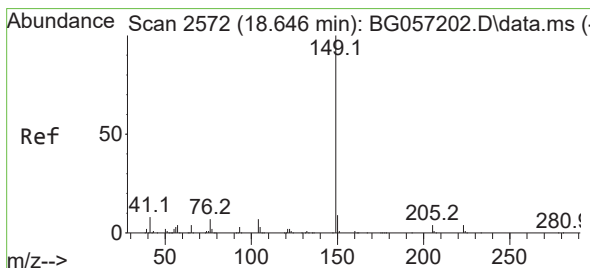
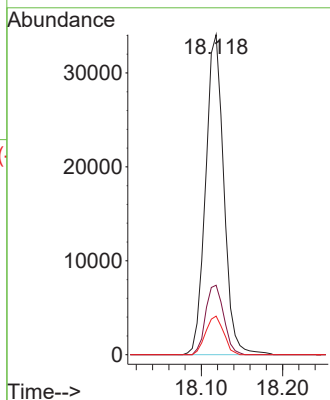
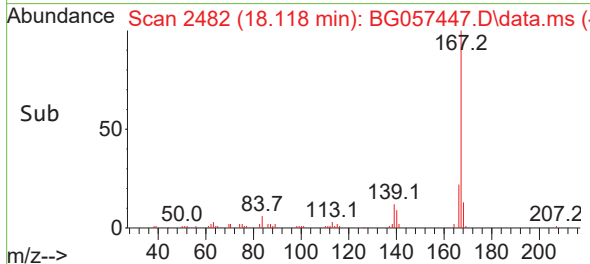
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



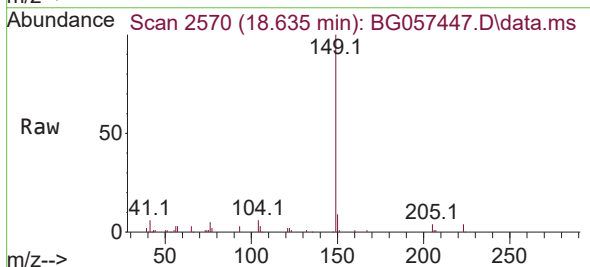
Tgt Ion:167 Resp: 52884
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 12.1 9.6 14.4

Manual Integrations
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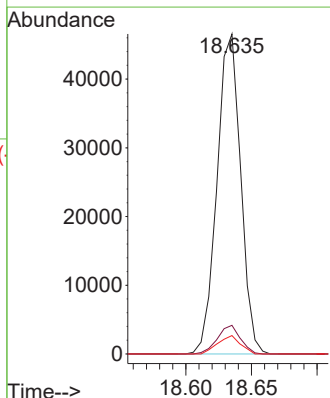
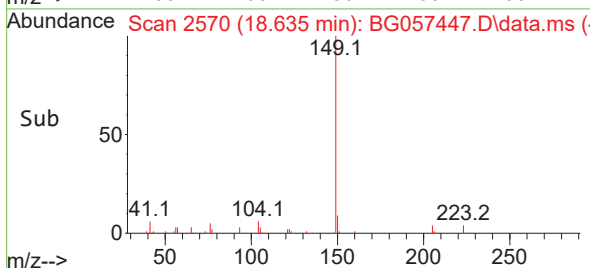
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

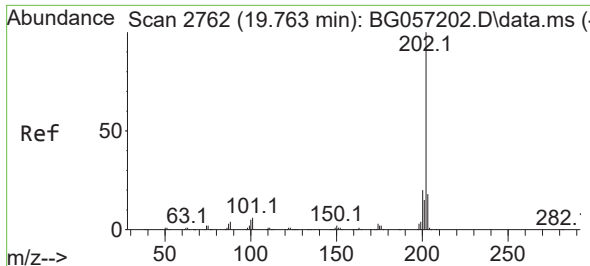


#74
Di-n-butylphthalate
Concen: 8.094 ng
RT: 18.635 min Scan# 2570
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



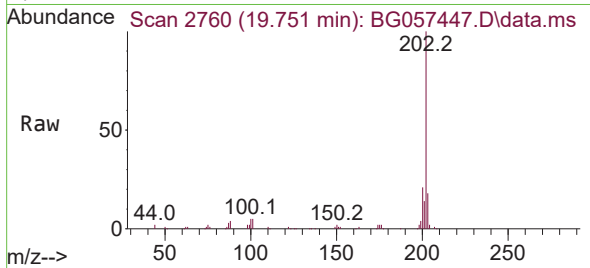
Tgt Ion:149 Resp: 58317
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 5.7 5.4 8.2





#75
Fluoranthene
Concen: 8.328 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

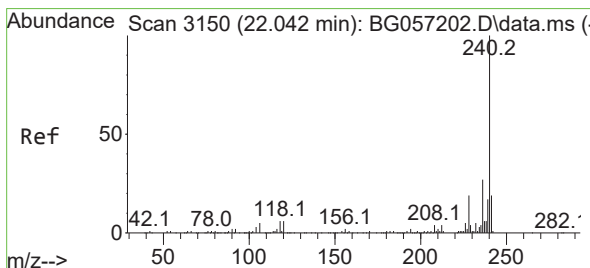
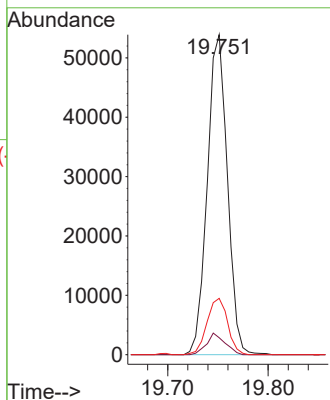
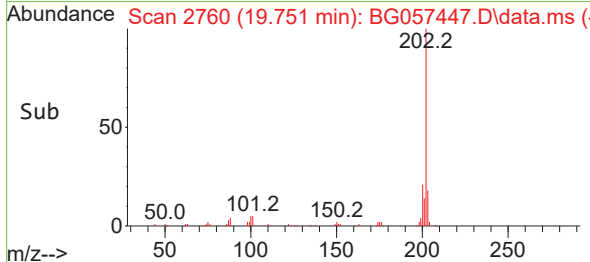
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



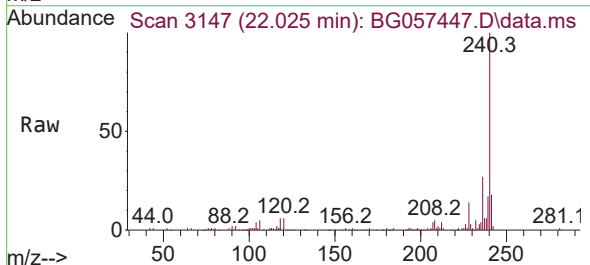
Tgt Ion:202 Resp: 7509
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.2
203 17.6 0.0 37.9

Manual Integrations
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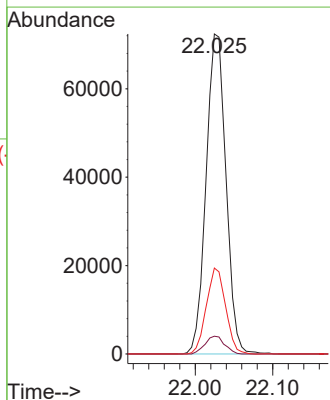
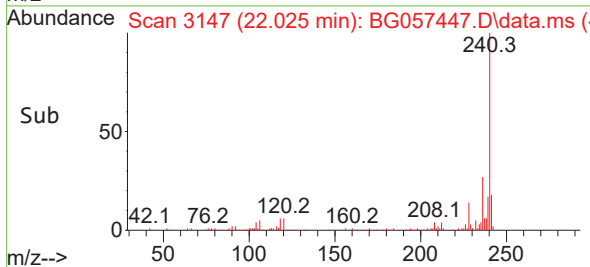
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

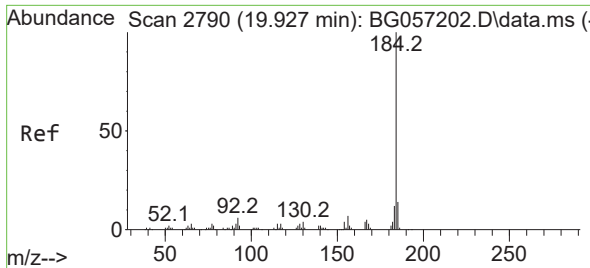


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



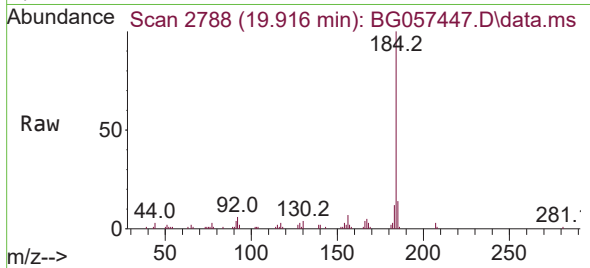
Tgt Ion:240 Resp: 128876
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 26.8 21.4 32.2





#77
Benzidine
Concen: 12.178 ng
RT: 19.916 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

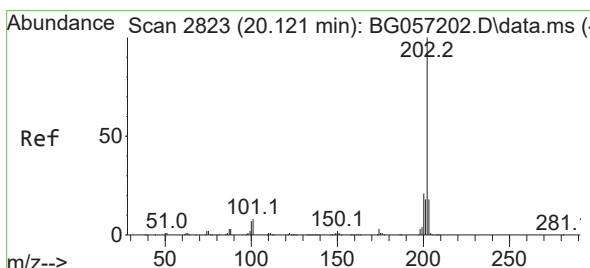
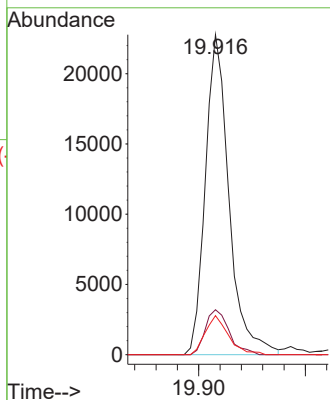
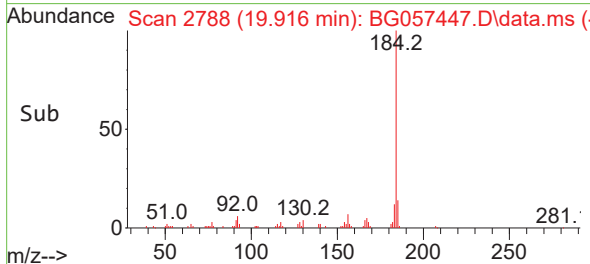
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



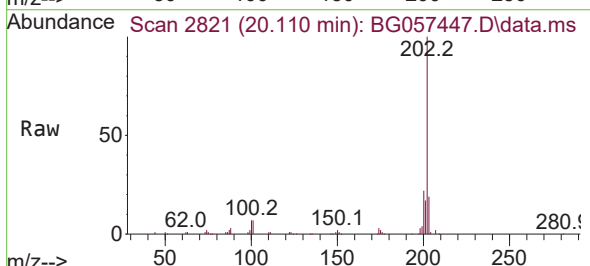
Tgt Ion:184 Resp: 3508
Ion Ratio Lower Upper
184 100
185 14.1 11.1 16.7
183 12.2 9.9 14.9

Manual Integrations
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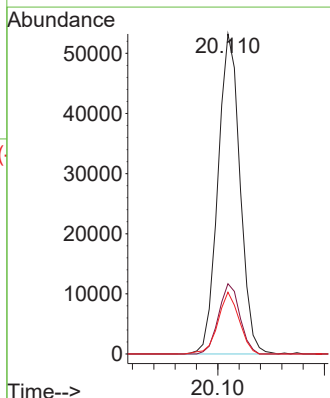
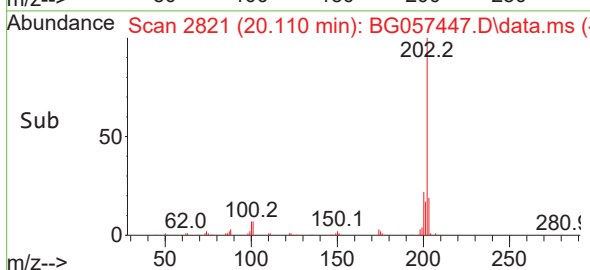
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

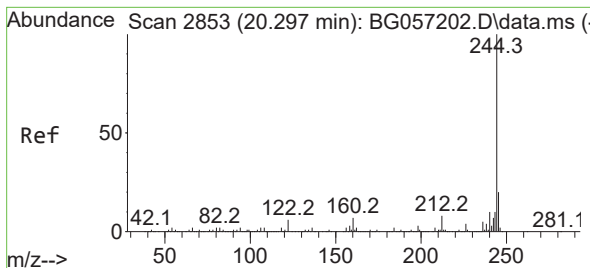


#78
Pyrene
Concen: 8.149 ng
RT: 20.110 min Scan# 2821
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:202 Resp: 76318
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 19.3 14.2 21.4





#79

Terphenyl-d14

Concen: 68.911 ng

RT: 20.286 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057447.D

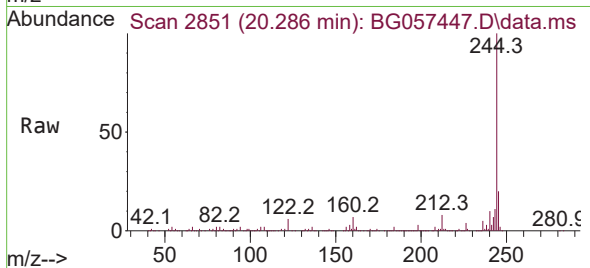
Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:244 Resp: 544200

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

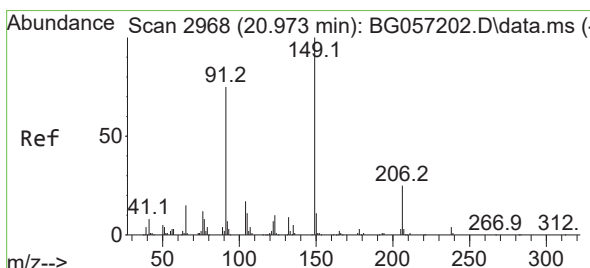
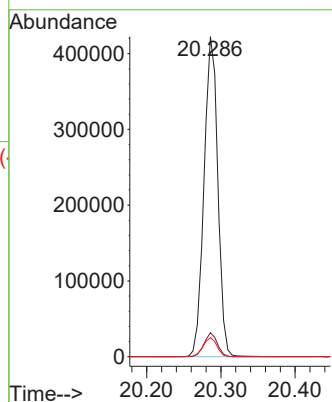
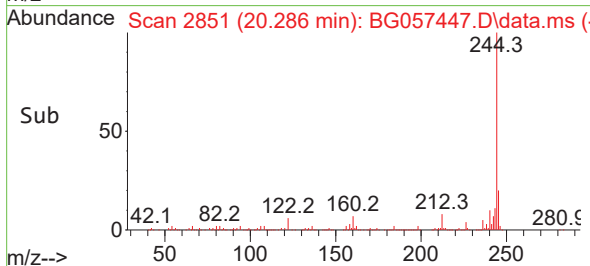
122 5.9 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#80

Butylbenzylphthalate

Concen: 8.242 ng

RT: 20.961 min Scan# 2966

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

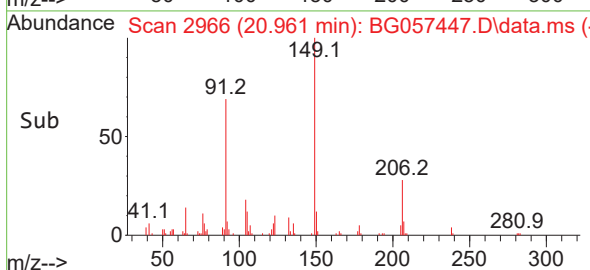
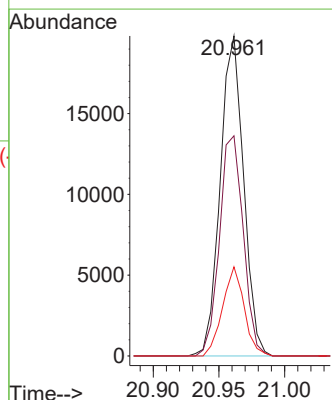
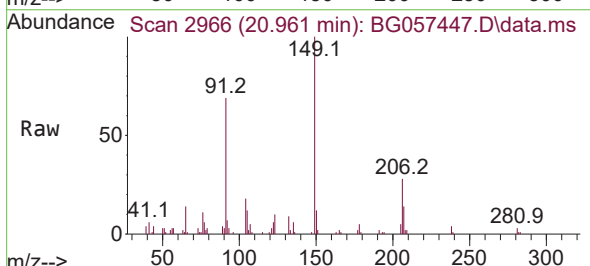
Tgt Ion:149 Resp: 24491

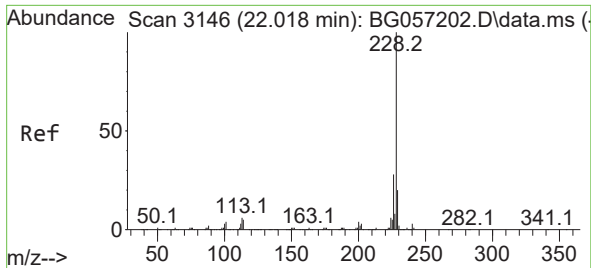
Ion Ratio Lower Upper

149 100

91 68.8 59.7 89.5

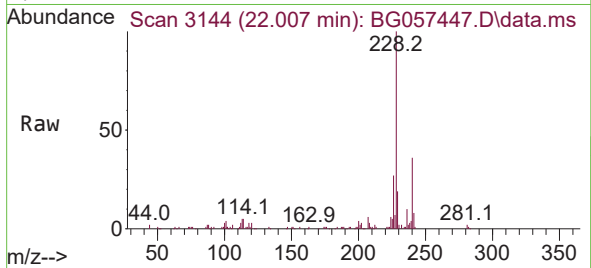
206 27.9 19.7 29.5





#81
Benzo(a)anthracene
Concen: 8.367 ng
RT: 22.007 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

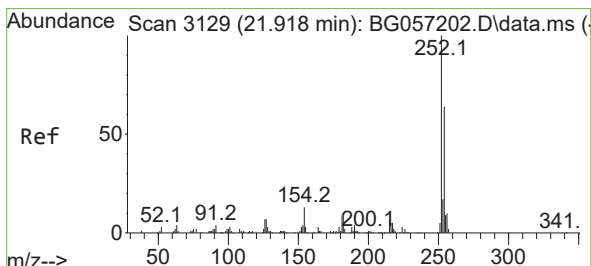
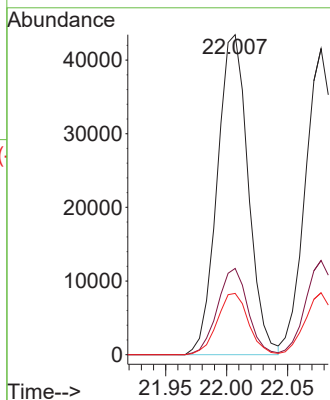
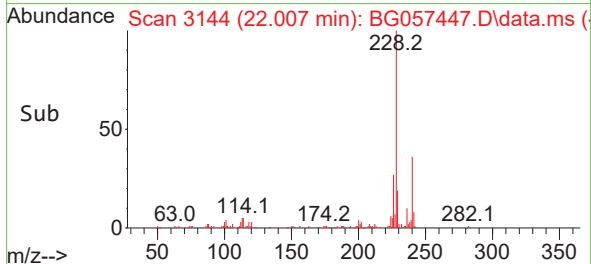
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:228 Resp: 76824
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.1 15.8 23.8

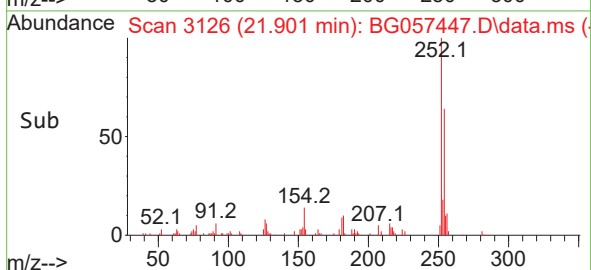
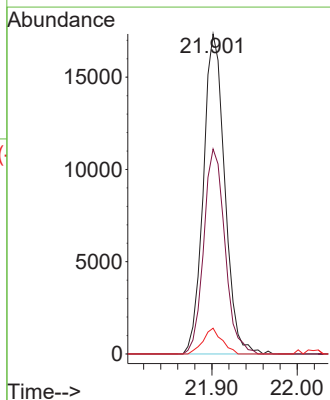
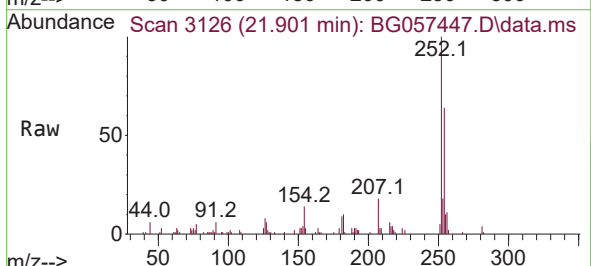
Manual Integrations
APPROVED

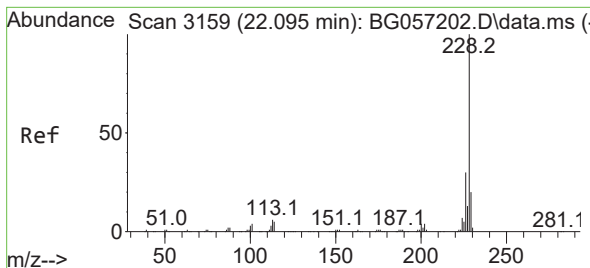
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#82
3,3'-Dichlorobenzidine
Concen: 10.253 ng
RT: 21.901 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

Tgt Ion:252 Resp: 30155
Ion Ratio Lower Upper
252 100
254 64.1 51.4 77.0
126 8.1 5.9 8.9





#83

Chrysene

Concen: 8.250 ng

RT: 22.078 min Scan# 3117

Delta R.T. -0.003 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

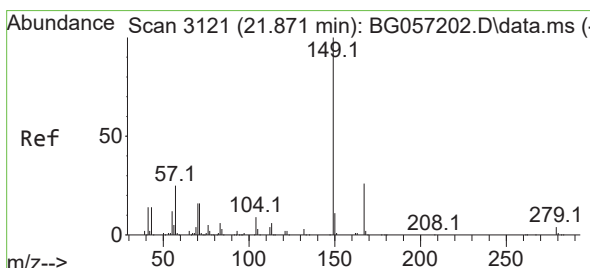
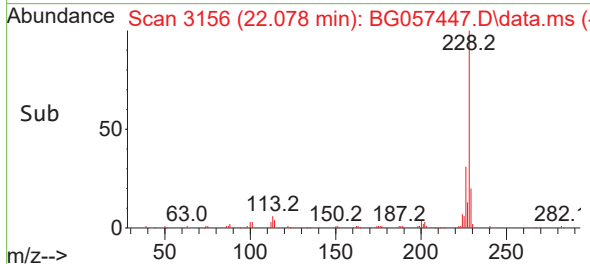
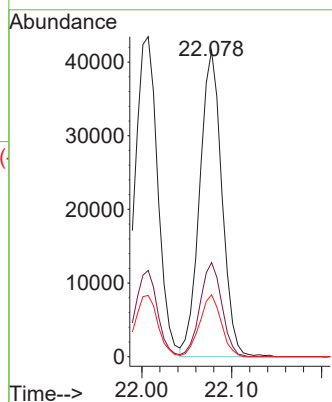
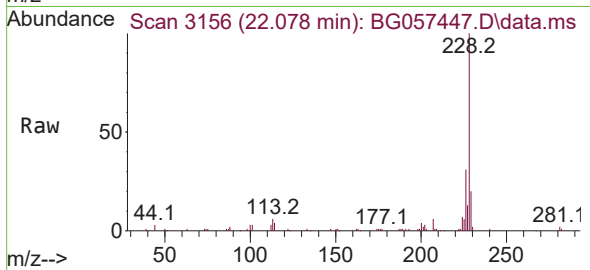
LOQ-SOIL-02-QT2-2023

Tgt Ion:	228	Resp:	71275
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.3	36.5
229	20.2	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.984 ng

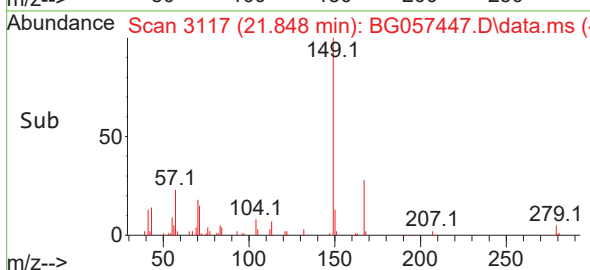
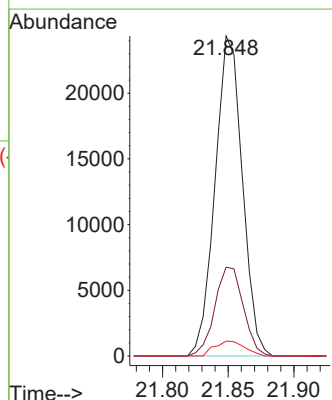
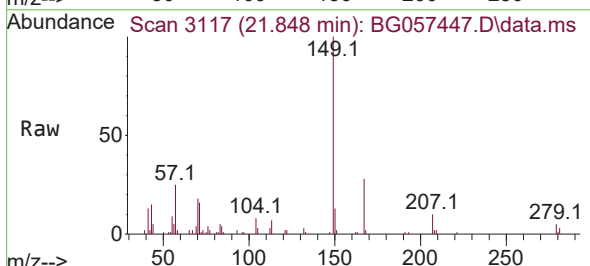
RT: 21.848 min Scan# 3117

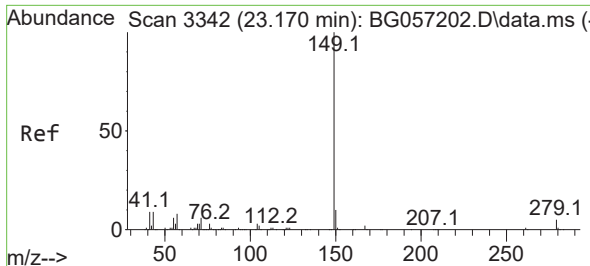
Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

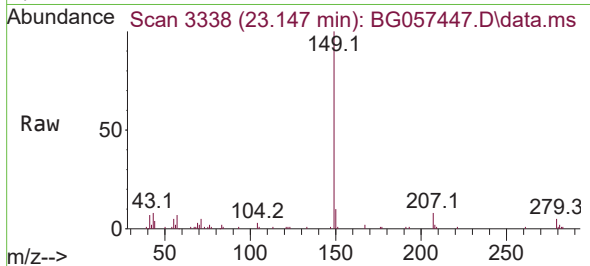
Tgt Ion:	149	Resp:	35099
Ion Ratio	Lower	Upper	
149	100		
167	27.7	21.2	31.8
279	4.6	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 8.190 ng
RT: 23.147 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

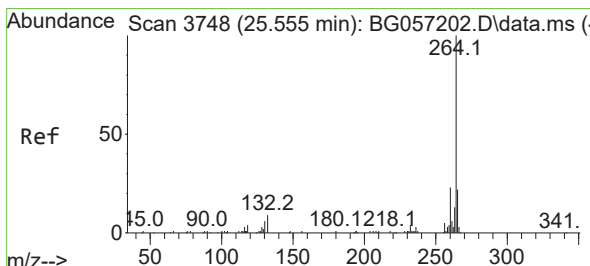
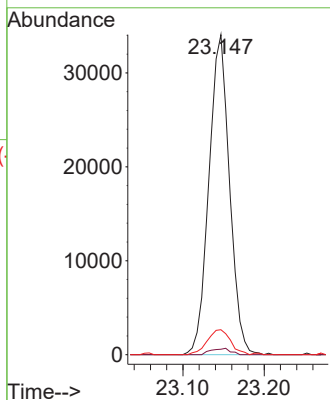
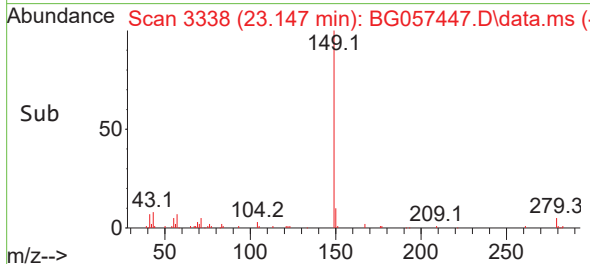
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



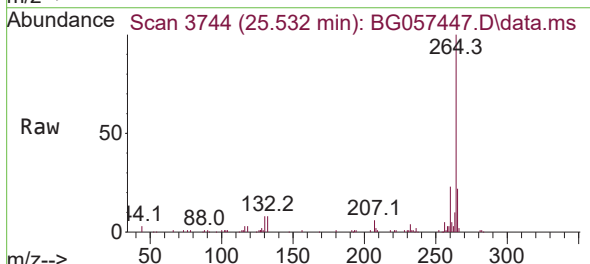
Tgt Ion:149 Resp: 60030
Ion Ratio Lower Upper
149 100
167 1.9 1.3 1.9
43 8.8 7.8 11.8

Manual Integrations
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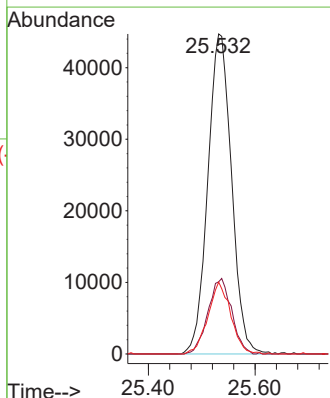
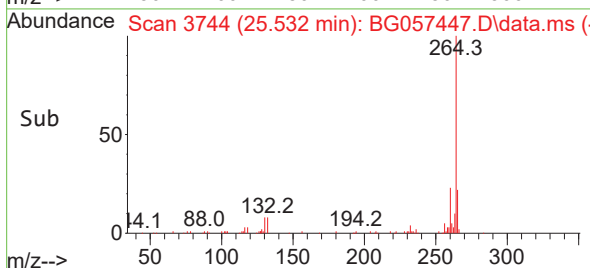
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

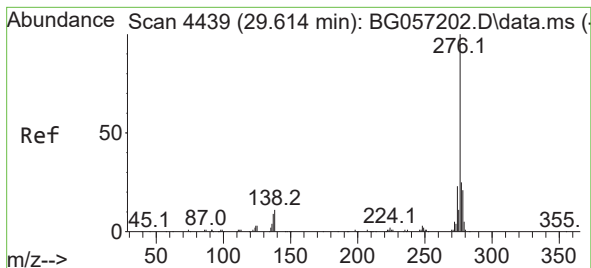


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.532 min Scan# 3744
Delta R.T. -0.003 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:264 Resp: 137939
Ion Ratio Lower Upper
264 100
260 22.5 18.8 28.2
265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.310 ng

RT: 29.585 min Scan# 4439

Delta R.T. -0.014 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

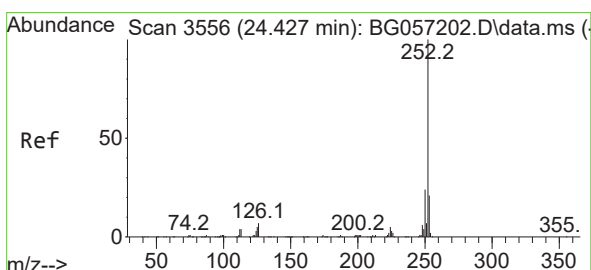
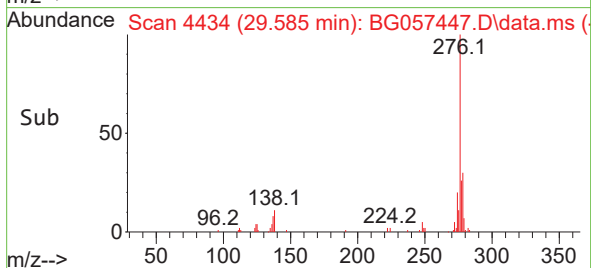
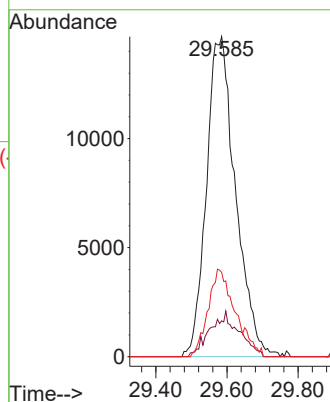
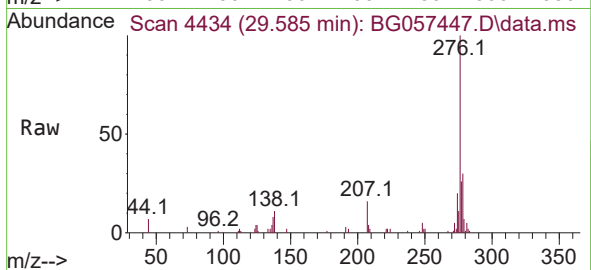
LOQ-SOIL-02-QT2-2023

Tgt Ion:276 Resp: 8353
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.4 8.0
 277 25.6 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#88

Benzo(b)fluoranthene

Concen: 8.369 ng

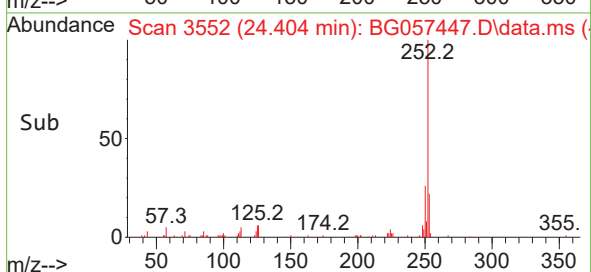
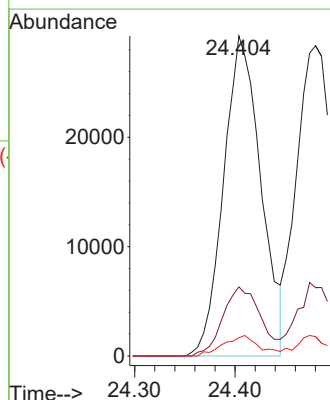
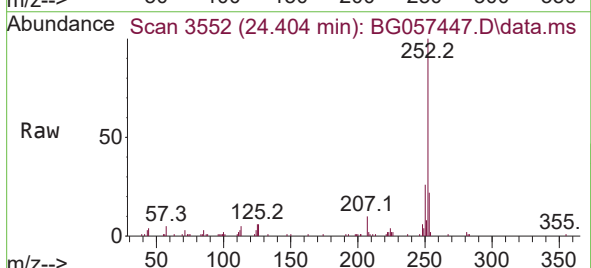
RT: 24.404 min Scan# 3552

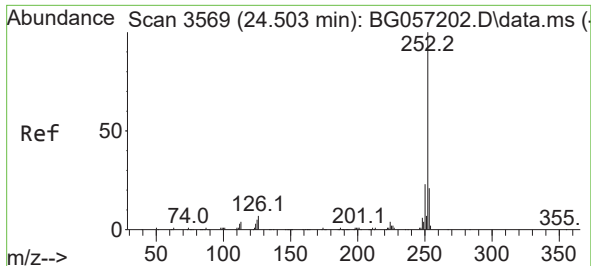
Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Tgt Ion:252 Resp: 75463
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.0 25.6
 125 5.7 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 8.101 ng m

RT: 24.480 min Scan# 3

Delta R.T. -0.009 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

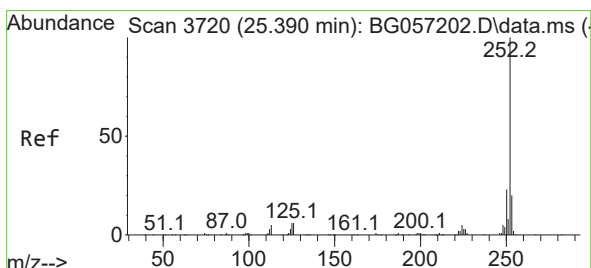
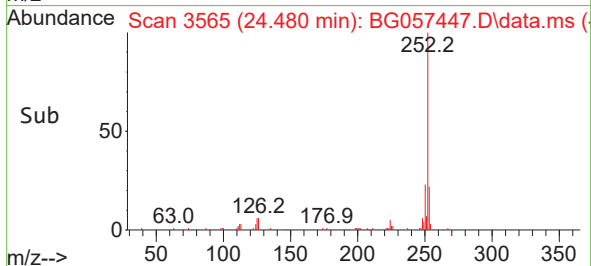
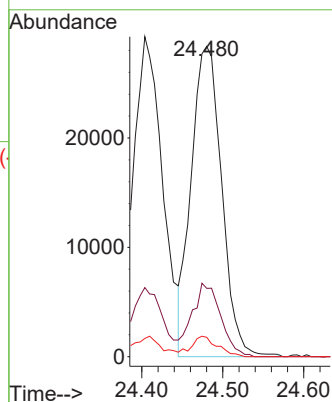
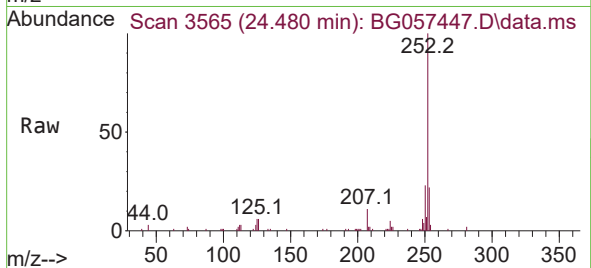
Tgt Ion:252 Resp: 74225
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.0
 125 6.3 4.1 6.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#90

Benzo(a)pyrene

Concen: 7.401 ng

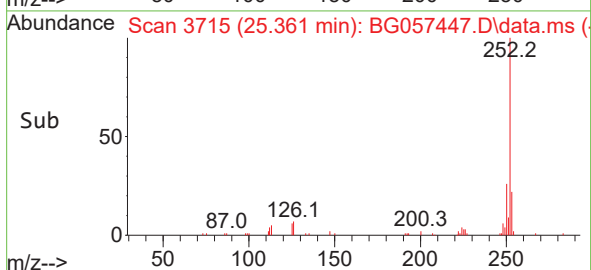
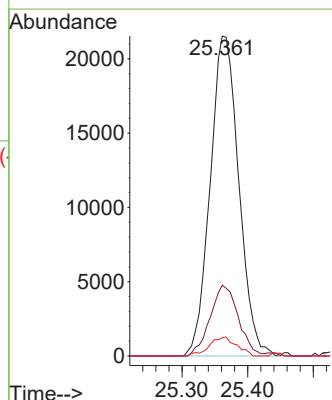
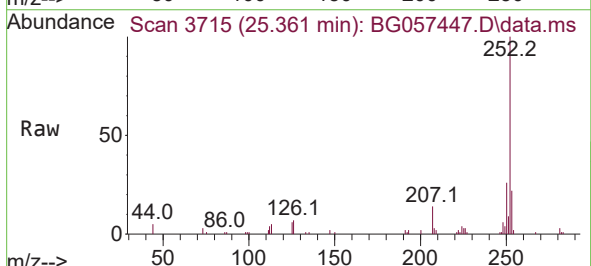
RT: 25.361 min Scan# 3715

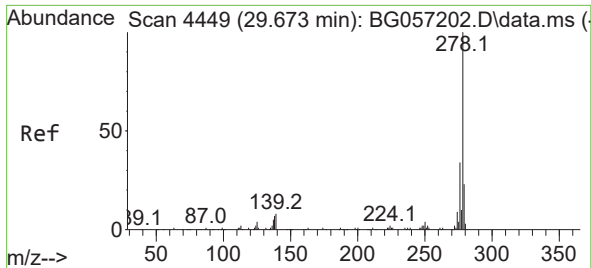
Delta R.T. -0.014 min

Lab File: BG057447.D

Acq: 17 May 2023 15:46

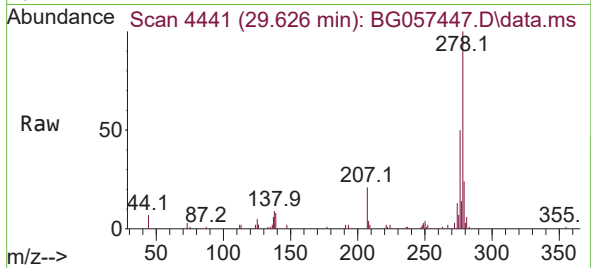
Tgt Ion:252 Resp: 65200
 Ion Ratio Lower Upper
 252 100
 253 22.1 16.3 24.5
 125 5.7 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 8.228 ng
RT: 29.626 min Scan# 4449
Delta R.T. -0.026 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46

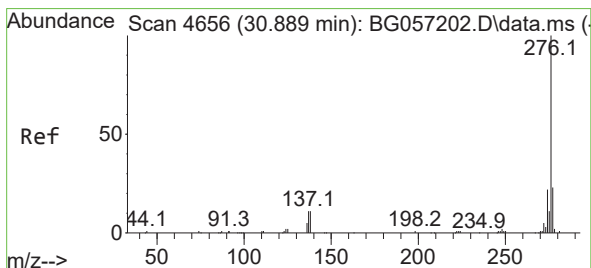
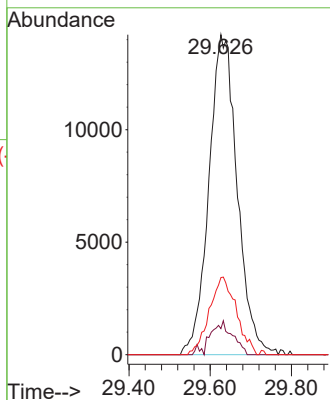
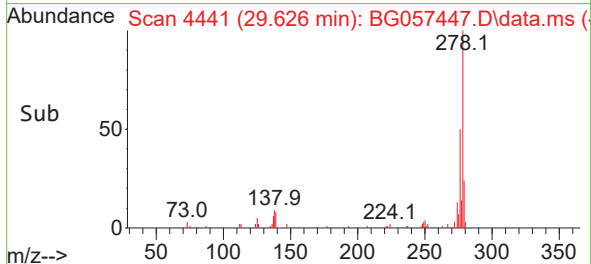
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



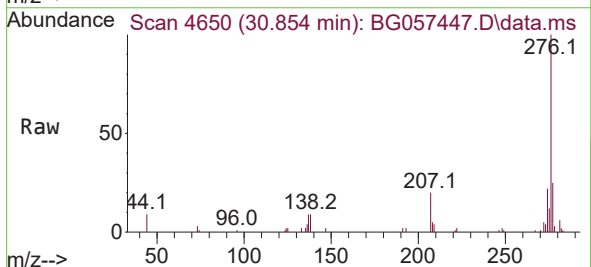
Tgt Ion:278 Resp: 6888
Ion Ratio Lower Upper
278 100
139 8.1 6.2 9.2
279 24.1 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#92
Benzo(g,h,i)perylene
Concen: 8.201 ng
RT: 30.854 min Scan# 4650
Delta R.T. -0.020 min
Lab File: BG057447.D
Acq: 17 May 2023 15:46



Tgt Ion:276 Resp: 67040
Ion Ratio Lower Upper
276 100
277 25.1 18.4 27.6
138 9.1 9.0 13.4

