

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057445.D
 Acq On : 17 May 2023 13:16
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 18 01:56:31 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	8.363	152	16597	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	66507	20.000	ng	0.00
39) Acenaphthene-d10	14.978	164	53437	20.000	ng	0.00
64) Phenanthrene-d10	17.721	188	134910	20.000	ng	0.00
76) Chrysene-d12	22.027	240	124672	20.000	ng	0.00
86) Perylene-d12	25.540	264	131882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	99834	102.896	ng	0.00
7) Phenol-d6	7.500	99	151797	103.029	ng	0.00
23) Nitrobenzene-d5	9.538	82	114476	72.243	ng	0.00
42) 2,4,6-Tribromophenol	16.464	330	87167	114.963	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	310749	78.320	ng	0.00
79) Terphenyl-d14	20.288	244	564885	73.942	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.681	88	1737	4.330	ng	97
3) Pyridine	4.116	79	5042	3.911	ng	95
4) n-Nitrosodimethylamine	4.016	42	2076	3.427	ng	# 97
6) Aniline	7.682	93	8365	4.475	ng	# 87
8) 2-Chlorophenol	7.923	128	4444	4.335	ng	92
10) Phenol	7.523	94	6640	4.623	ng	82
11) bis(2-Chloroethyl)ether	7.764	93	4879	4.505	ng	98
12) 1,3-Dichlorobenzene	8.252	146	5274	4.661	ng	# 89
13) 1,4-Dichlorobenzene	8.399	146	5306	4.668	ng	94
14) 1,2-Dichlorobenzene	8.722	146	4878	4.446	ng	96
15) Benzyl Alcohol	8.604	79	4355	3.548	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.880	45	5949	4.358	ng	93
17) 2-Methylphenol	8.804	107	4264	4.119	ng	96
18) Hexachloroethane	9.462	117	1936	4.720	ng	86
19) n-Nitroso-di-n-propyla...	9.156	70	4608	4.102	ng	# 94
20) 3+4-Methylphenols	9.133	107	6011	4.240	ng	87
22) Acetophenone	9.192	105	8406	4.416	ng	# 95
24) Nitrobenzene	9.585	77	6613	4.135	ng	90
25) Isophorone	10.102	82	11545	3.757	ng	98
26) 2-Nitrophenol	10.308	139	2623	4.285	ng	95
27) 2,4-Dimethylphenol	10.349	122	4763	4.443	ng	# 88
28) bis(2-Chloroethoxy)met...	10.584	93	6724	4.368	ng	# 96
29) 2,4-Dichlorophenol	10.854	162	5179	4.555	ng	82
30) 1,2,4-Trichlorobenzene	11.060	180	6231	4.751	ng	95
31) Naphthalene	11.254	128	16133	4.537	ng	95
33) 4-Chloroaniline	11.359	127	6730	4.215	ng	# 92
34) Hexachlorobutadiene	11.524	225	4593	4.720	ng	97
35) Caprolactam	12.111	113	1616	4.161	ng	# 54
36) 4-Chloro-3-methylphenol	12.452	107	6174	4.778	ng	95
37) 2-Methylnaphthalene	12.834	142	12639	4.521	ng	97
38) 1-Methylnaphthalene	13.045	142	12675	4.810	ng	97
40) 1,2,4,5-Tetrachloroben...	13.192	216	9261	4.882	ng	# 98
41) Hexachlorocyclopentadiene	13.169	237	488	6.788	ng	94
43) 2,4,6-Trichlorophenol	13.433	196	4961	4.292	ng	97
44) 2,4,5-Trichlorophenol	13.515	196	5735	4.218	ng	# 96
46) 1,1'-Biphenyl	13.815	154	19134	4.825	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.868	162	14470	4.907	ng	97
48) 2-Nitroaniline	14.067	65	3976	3.966	ng	97
49) Acenaphthylene	14.708	152	22569	4.711	ng	98
50) Dimethylphthalate	14.414	163	19025	4.333	ng	96
51) 2,6-Dinitrotoluene	14.543	165	4094	4.566	ng	93
52) Acenaphthene	15.043	154	14010	4.680	ng	90
53) 3-Nitroaniline	14.884	138	3550	3.952	ng	98
54) 2,4-Dinitrophenol	15.131	184	54	5.008	ng	# 18
55) Dibenzofuran	15.377	168	23214	4.616	ng	96
56) 4-Nitrophenol	15.213	139	1979	3.313	ng	# 75
57) 2,4-Dinitrotoluene	15.336	165	5475	4.273	ng	# 94
58) Fluorene	16.024	166	19605	4.732	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.606	232	5239	4.251	ng	# 95
60) Diethylphthalate	15.759	149	19247	4.316	ng	96
61) 4-Chlorophenyl-phenyle...	16.000	204	11459	4.591	ng	93
62) 4-Nitroaniline	16.041	138	3450	3.807	ng	92
63) Azobenzene	16.294	77	18051	4.195	ng	95
65) 4,6-Dinitro-2-methylph...	16.106	198	2265	2.812	ng	94
66) n-Nitrosodiphenylamine	16.212	169	16176	4.415	ng	95
67) 4-Bromophenyl-phenylether	16.893	248	7556	4.588	ng	92
68) Hexachlorobenzene	17.028	284	8261	5.162	ng	# 89
69) Atrazine	17.146	200	7240	5.180	ng	92
71) Phenanthrene	17.762	178	33218	4.805	ng	99
72) Anthracene	17.851	178	32201	4.540	ng	99
73) Carbazole	18.121	167	26577	4.451	ng	99
74) Di-n-butylphthalate	18.638	149	29054	4.229	ng	# 96
75) Fluoranthene	19.754	202	37608	4.374	ng	97
77) Benzidine	19.918	184	17291	6.204	ng	97
78) Pyrene	20.112	202	40012	4.417	ng	98
80) Butylbenzylphthalate	20.964	149	12443	4.329	ng	95
81) Benzo(a)anthracene	22.010	228	38670	4.354	ng	99
82) 3,3'-Dichlorobenzidine	21.904	252	15457	5.433	ng	99
83) Chrysene	22.080	228	37234	4.455	ng	98
84) Bis(2-ethylhexyl)phtha...	21.851	149	18266	4.295	ng	96
85) Di-n-octyl phthalate	23.149	149	30817	4.346	ng	98
87) Indeno(1,2,3-cd)pyrene	29.593	276	42172	4.388	ng	# 96
88) Benzo(b)fluoranthene	24.412	252	38929	4.516	ng	98
89) Benzo(k)fluoranthene	24.483	252	38692m	4.417	ng	
90) Benzo(a)pyrene	25.370	252	33773	4.010	ng	# 99
91) Dibenzo(a,h)anthracene	29.640	278	35573	4.444	ng	# 91
92) Benzo(g,h,i)perylene	30.862	276	34738	4.445	ng	94

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

Manual Integrations

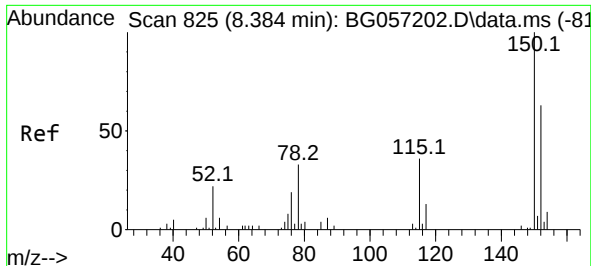
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

Abundance

TIC: BG057445.D\data.ms

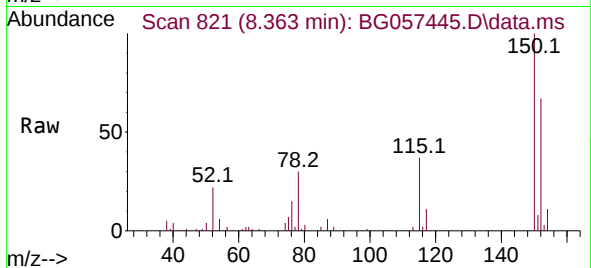
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1,4-Dioxane
N,N-dimethylaniline
2-Fluorophenol, S
Phenol-d6, S
2,4,6-Trichlorophenol, S
Terphenyl-d14, S



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.363 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

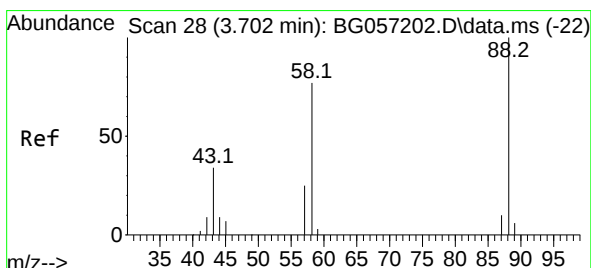
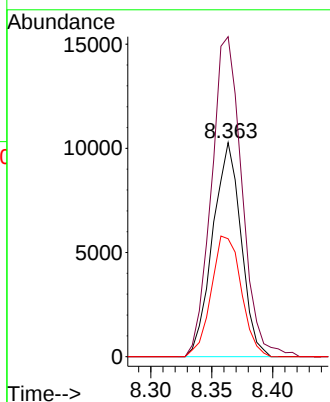
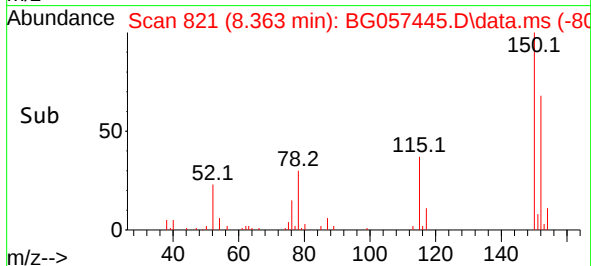
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 152 Resp: 1659
Ion Ratio Lower Upper
152 100
150 149.5 126.2 189.4
115 55.1 45.0 67.4

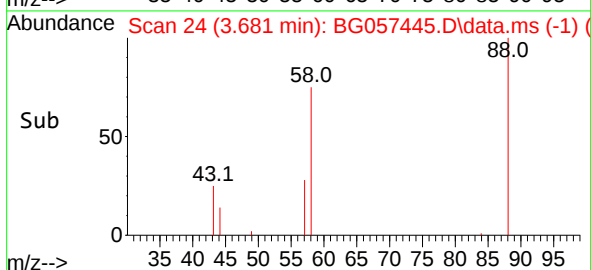
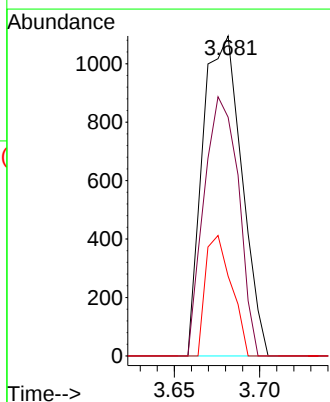
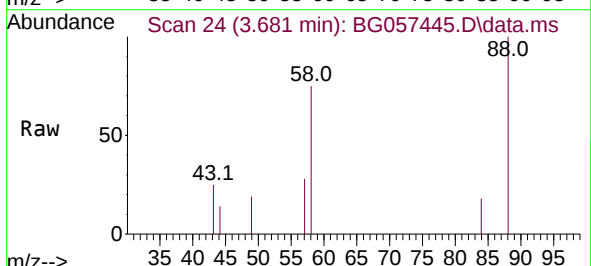
Manual Integrations
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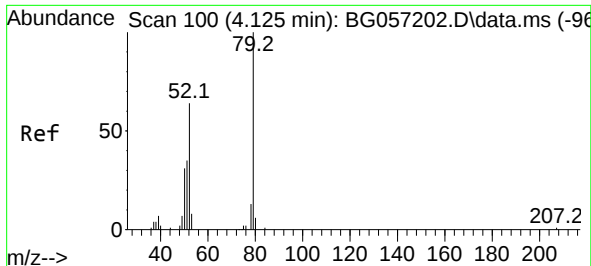
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023



#2
1,4-Dioxane
Concen: 4.330 ng
RT: 3.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

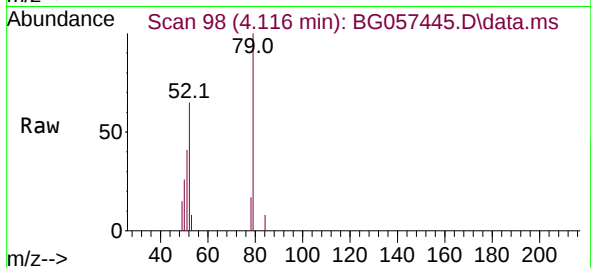
Tgt Ion: 88 Resp: 1737
Ion Ratio Lower Upper
88 100
58 71.8 57.1 85.7
43 25.0 24.4 36.6





#3
Pyridine
Concen: 3.911 ng
RT: 4.116 min Scan# 91
Delta R.T. 0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

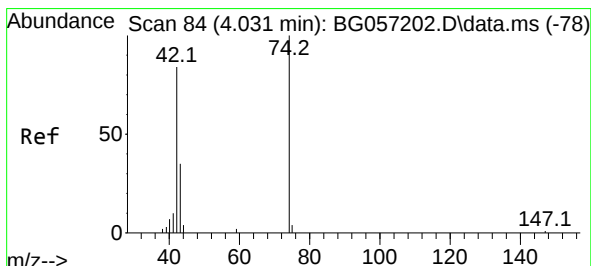
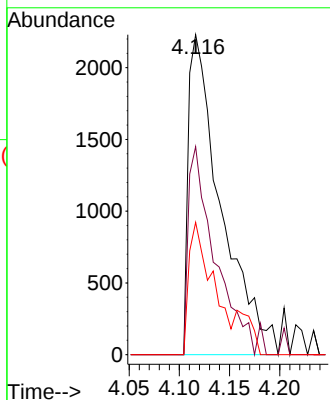
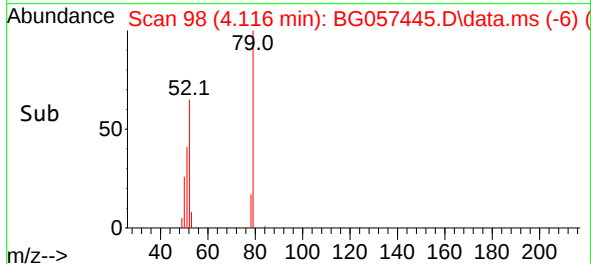
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



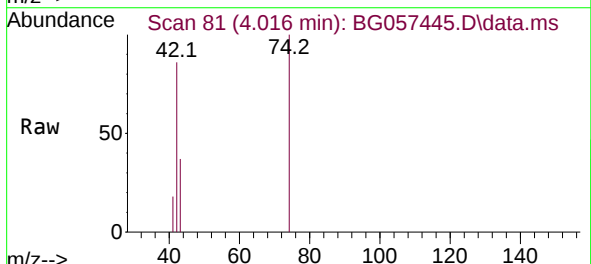
Tgt Ion: 79 Resp: 504
Ion Ratio Lower Upper
79 100
52 65.0 51.4 77.0
51 41.3 28.0 42.0

Manual Integrations
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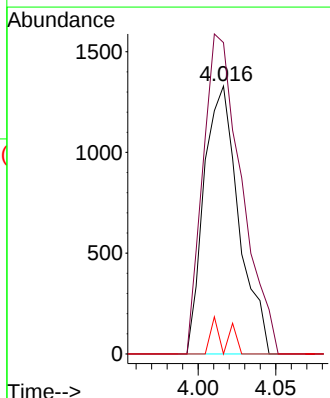
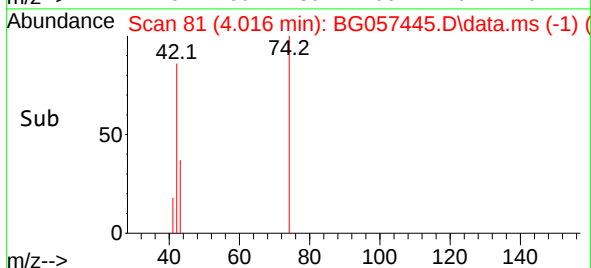
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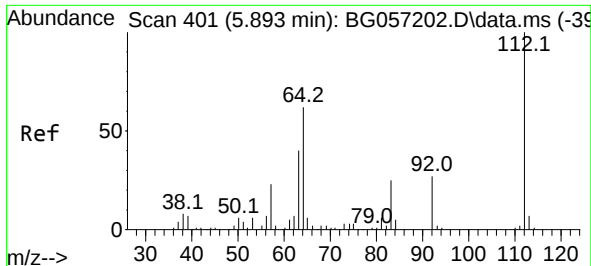


#4
n-Nitrosodimethylamine
Concen: 3.427 ng
RT: 4.016 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion: 42 Resp: 2076
Ion Ratio Lower Upper
42 100
74 116.3 95.1 142.7
44 0.0 5.8 8.8





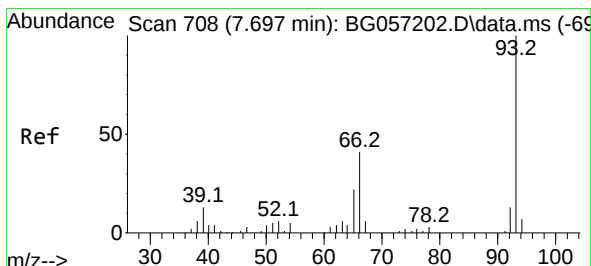
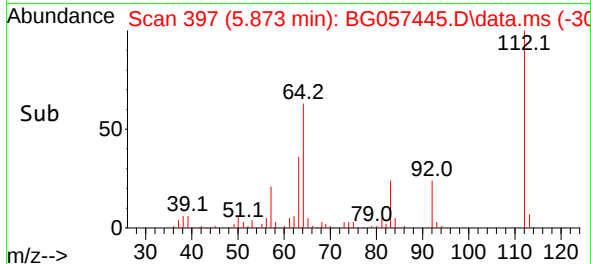
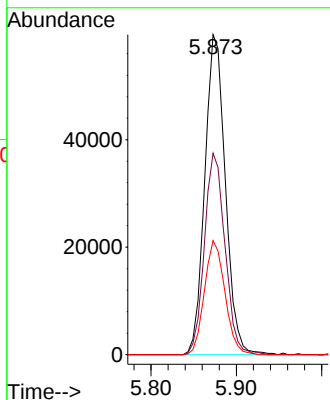
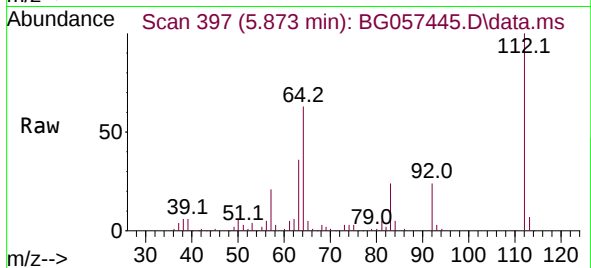
#5
2-Fluorophenol
Concen: 102.896 ng
RT: 5.873 min Scan# 397
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion:112 Resp: 99834
Ion Ratio Lower Upper
112 100
64 63.0 49.4 74.2
63 35.7 31.6 47.4

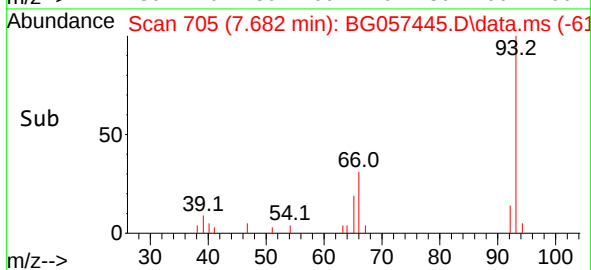
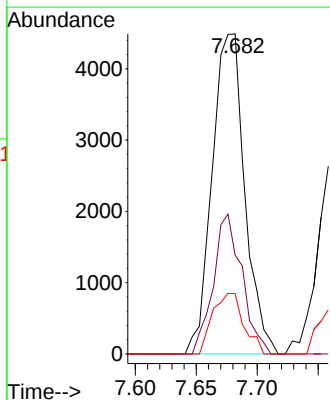
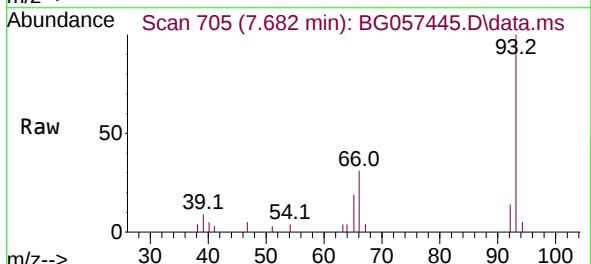
Manual Integrations
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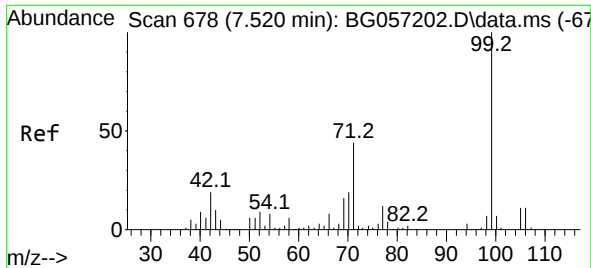
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#6
Aniline
Concen: 4.475 ng
RT: 7.682 min Scan# 705
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

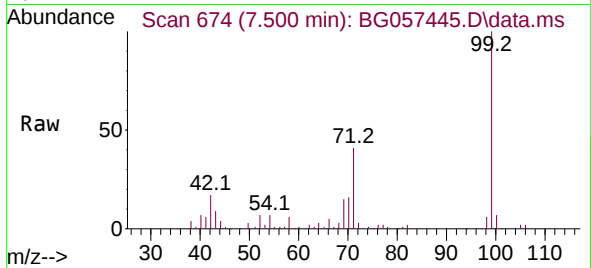
Tgt Ion: 93 Resp: 8365
Ion Ratio Lower Upper
93 100
66 30.9 33.0 49.6#
65 18.8 18.0 27.0





#7
Phenol-d6
Concen: 103.029 ng
RT: 7.500 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

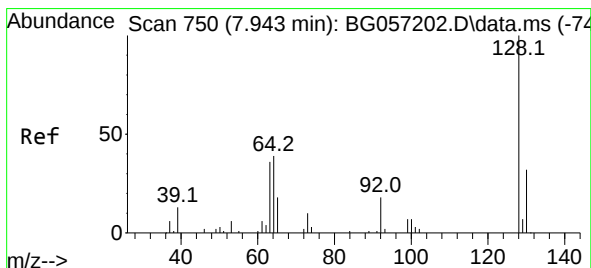
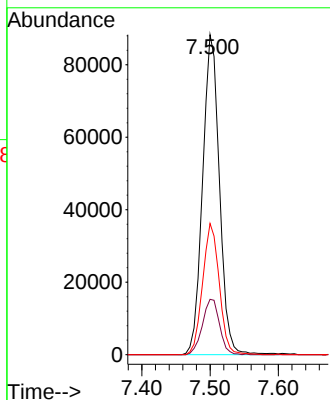
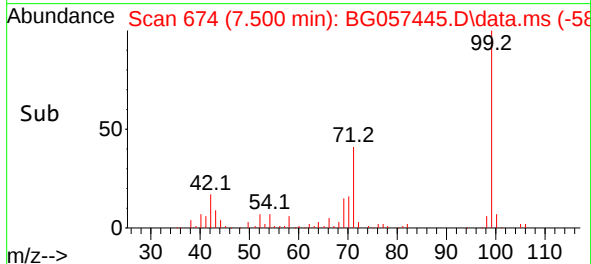
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 99 Resp: 15179
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 41.0 35.2 52.8

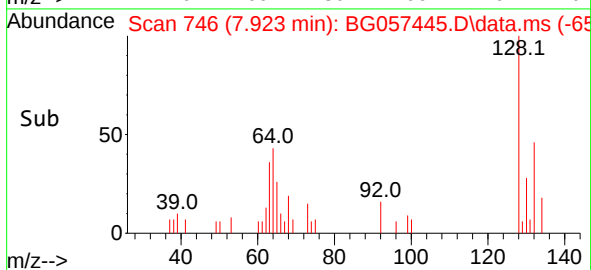
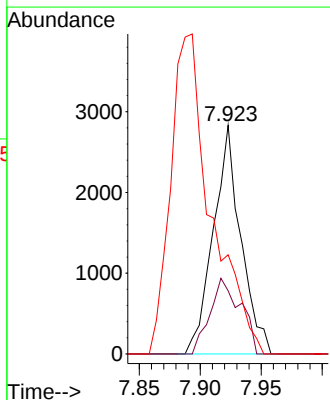
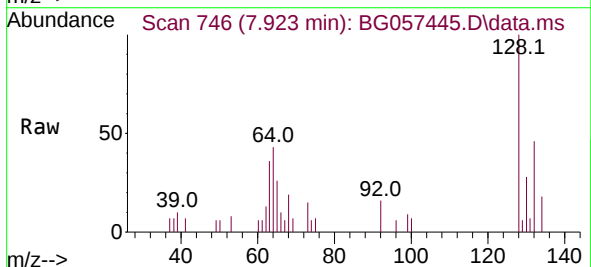
Manual Integrations
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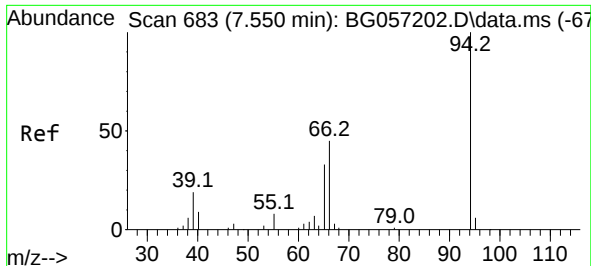
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#8
2-Chlorophenol
Concen: 4.335 ng
RT: 7.923 min Scan# 746
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:128 Resp: 4444
Ion Ratio Lower Upper
128 100
130 27.6 12.2 52.2
64 43.4 28.4 68.4





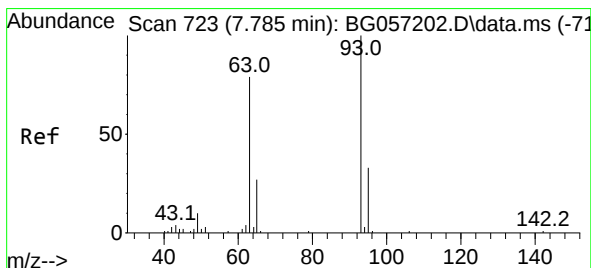
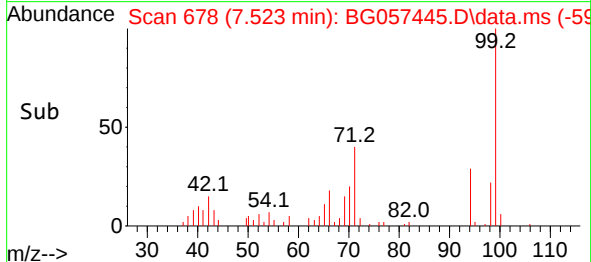
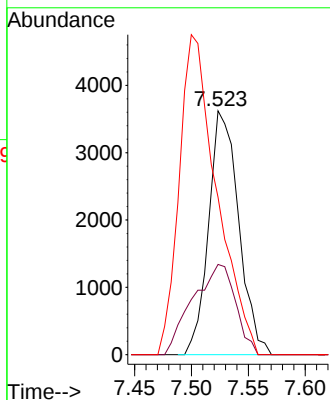
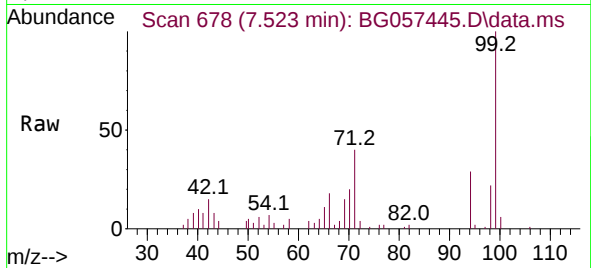
#10
Phenol
Concen: 4.623 ng
RT: 7.523 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion: 94 Resp: 6640
Ion Ratio Lower Upper
94 100
65 37.0 13.5 53.5
66 64.6 26.7 66.7

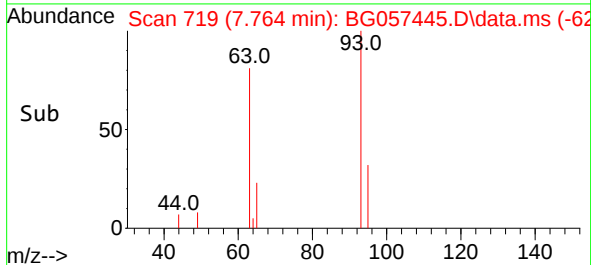
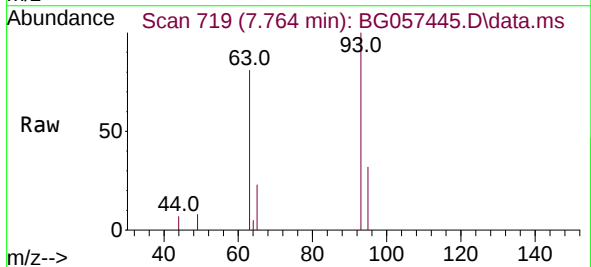
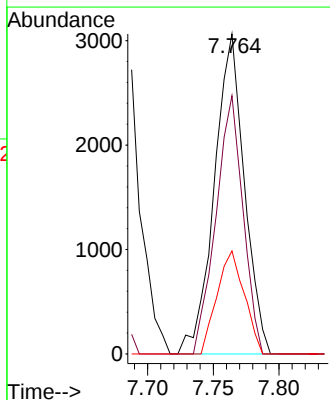
Manual Integrations
APPROVED

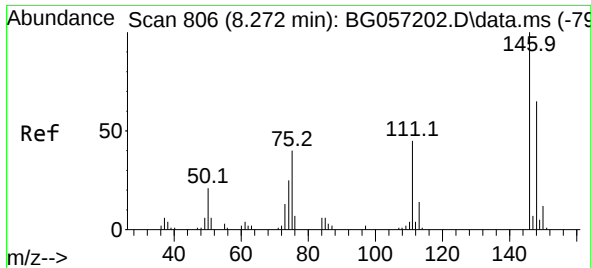
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#11
bis(2-Chloroethyl)ether
Concen: 4.505 ng
RT: 7.764 min Scan# 719
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

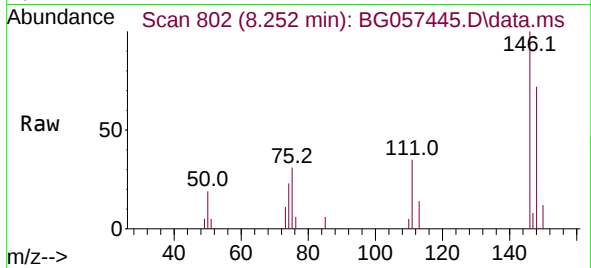
Tgt Ion: 93 Resp: 4879
Ion Ratio Lower Upper
93 100
63 80.7 58.6 98.6
95 32.2 12.2 52.2





#12
1,3-Dichlorobenzene
Concen: 4.661 ng
RT: 8.252 min Scan# 806
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

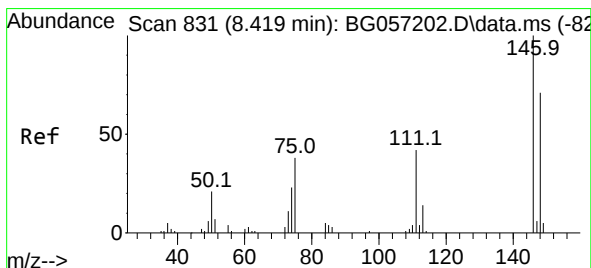
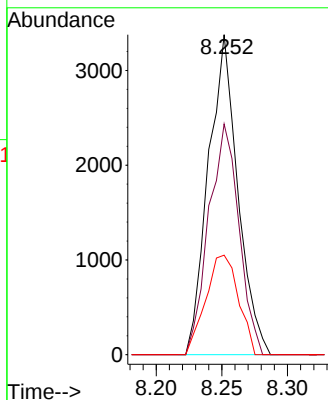
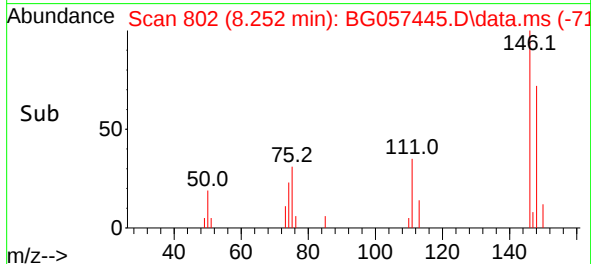
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



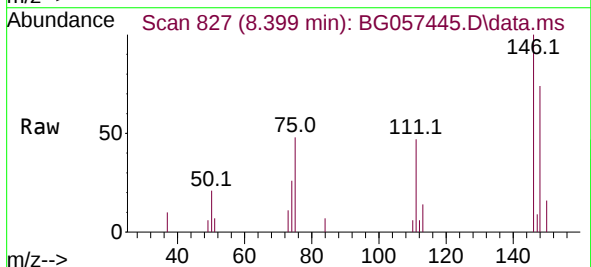
Tgt Ion:146 Resp: 5274
Ion Ratio Lower Upper
146 100
148 72.1 52.2 78.2
75 31.1 31.7 47.5

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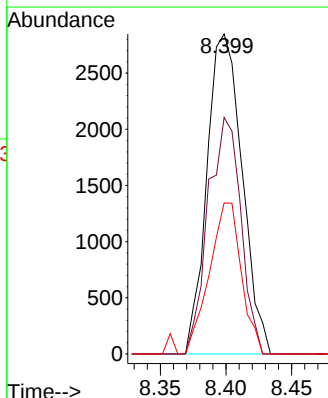
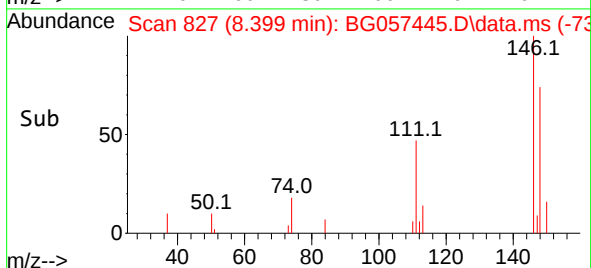
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

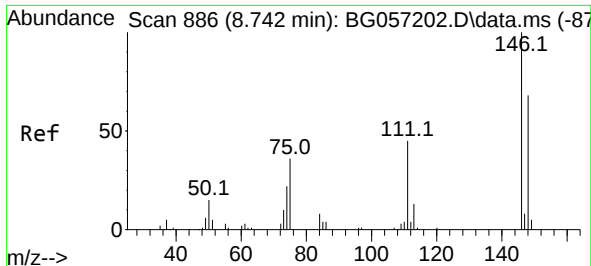


#13
1,4-Dichlorobenzene
Concen: 4.668 ng
RT: 8.399 min Scan# 827
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



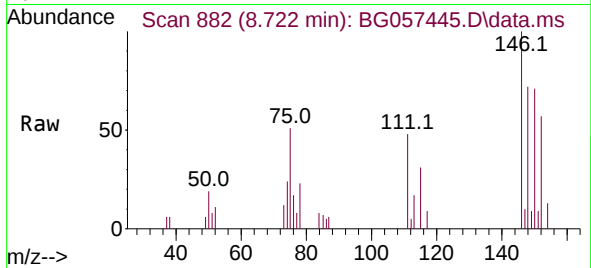
Tgt Ion:146 Resp: 5306
Ion Ratio Lower Upper
146 100
148 73.9 56.4 84.6
111 47.2 33.8 50.6





#14
1,2-Dichlorobenzene
Concen: 4.446 ng
RT: 8.722 min Scan# 886
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

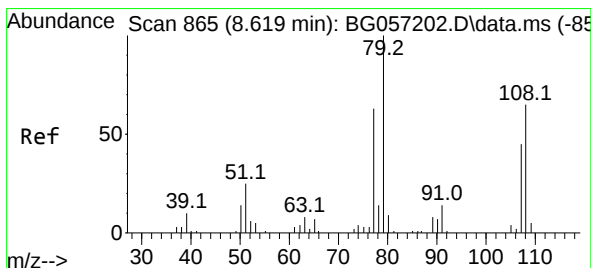
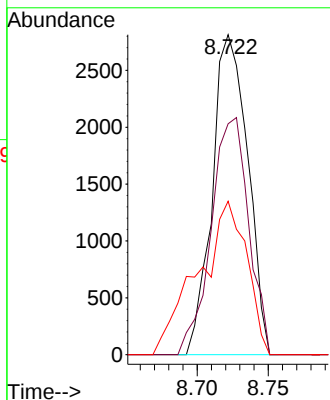
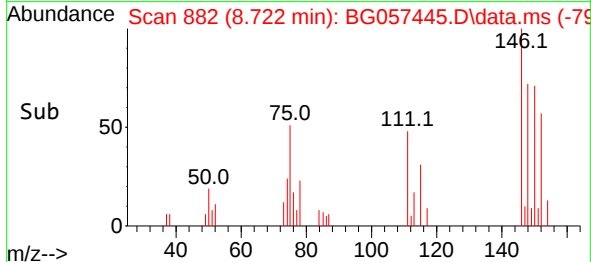
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



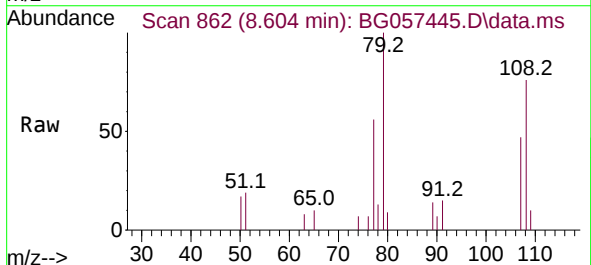
Tgt Ion:146 Resp: 4878
Ion Ratio Lower Upper
146 100
148 72.2 54.6 82.0
111 48.0 37.2 55.8

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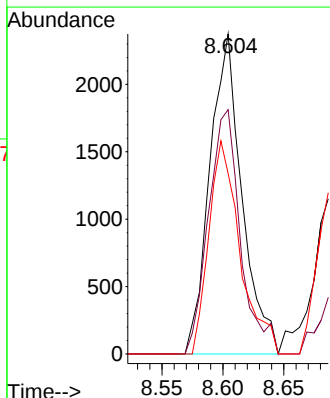
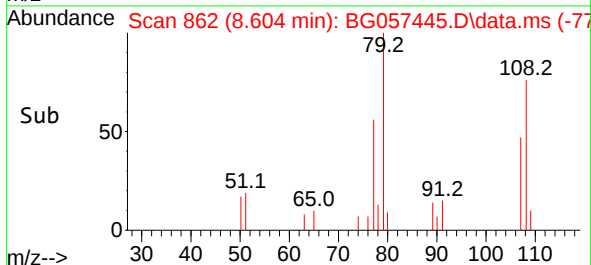
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

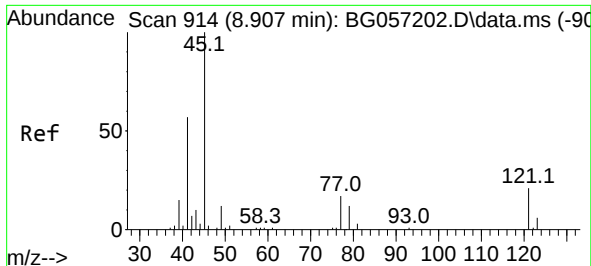


#15
Benzyl Alcohol
Concen: 3.548 ng
RT: 8.604 min Scan# 862
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion: 79 Resp: 4355
Ion Ratio Lower Upper
79 100
108 76.4 52.2 78.2
77 56.4 50.1 75.1





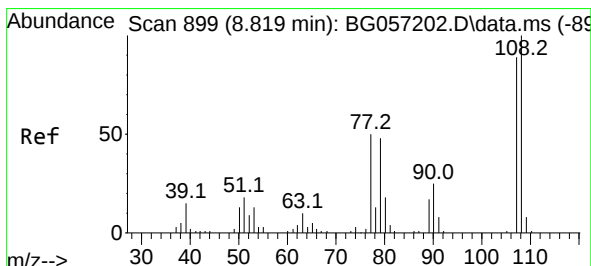
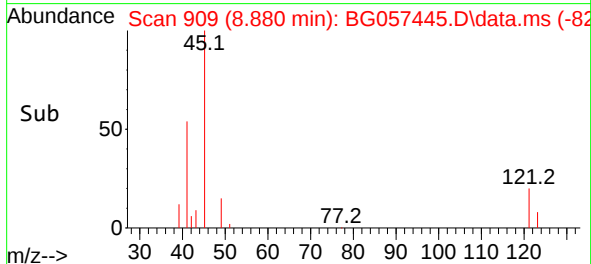
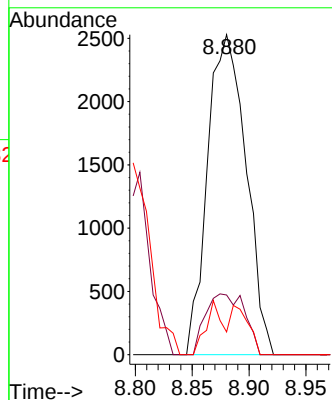
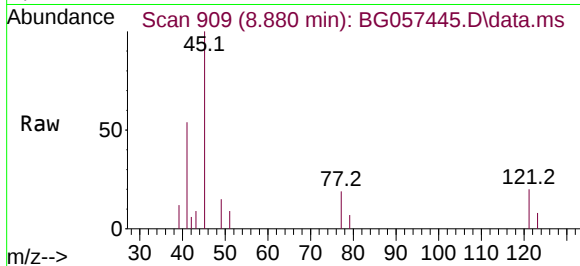
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.358 ng
RT: 8.880 min Scan# 909
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion: 45 Resp: 5949
Ion Ratio Lower Upper
45 100
77 18.7 0.0 38.5
79 7.1 0.0 33.8

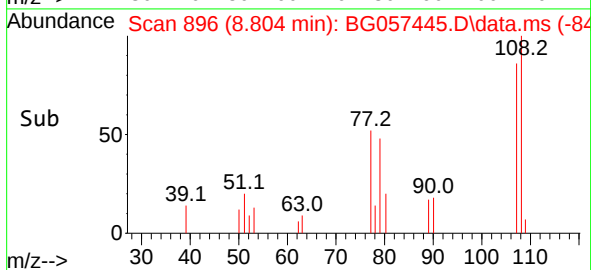
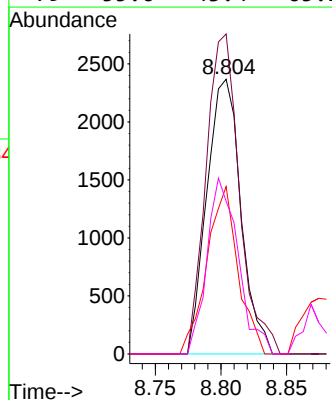
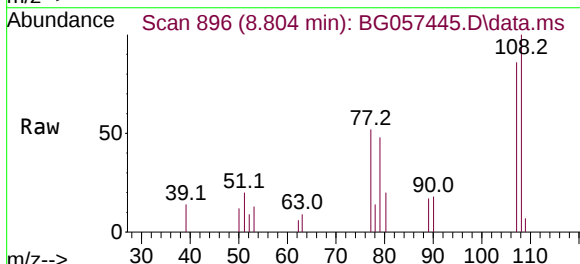
Manual Integrations
APPROVED

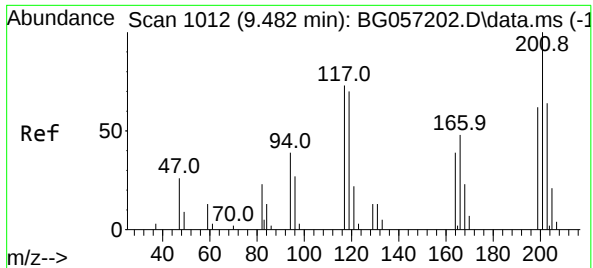
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#17
2-Methylphenol
Concen: 4.119 ng
RT: 8.804 min Scan# 896
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

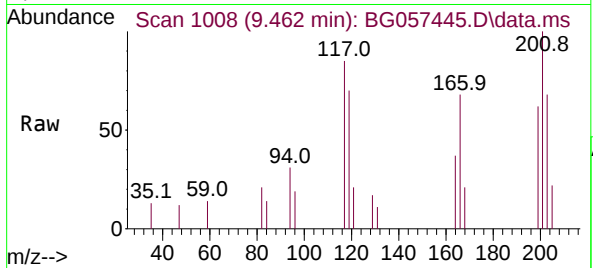
Tgt Ion:107 Resp: 4264
Ion Ratio Lower Upper
107 100
108 116.5 89.5 134.3
77 60.9 45.1 67.7
79 55.6 43.4 65.2





#18
Hexachloroethane
Concen: 4.720 ng
RT: 9.462 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

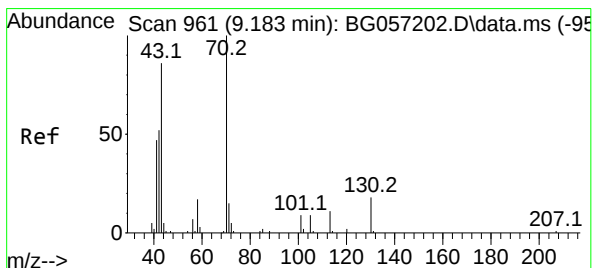
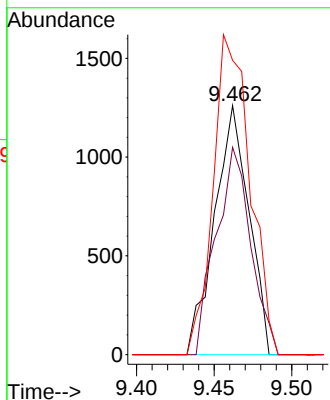
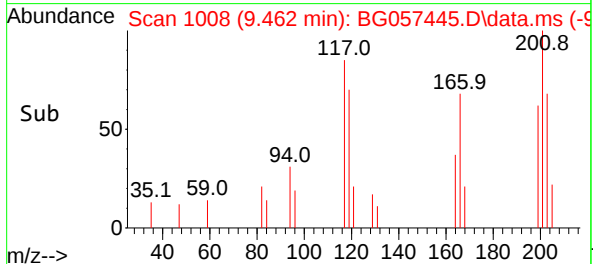
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



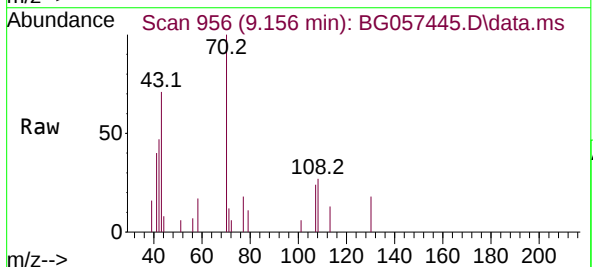
Tgt Ion:117 Resp: 1930
Ion Ratio Lower Upper
117 100
119 83.3 76.7 115.1
201 118.2 109.0 163.4

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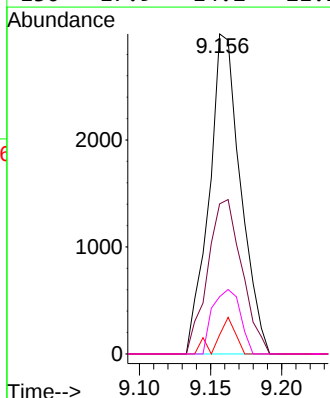
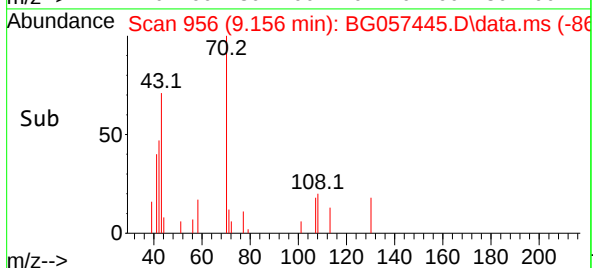
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

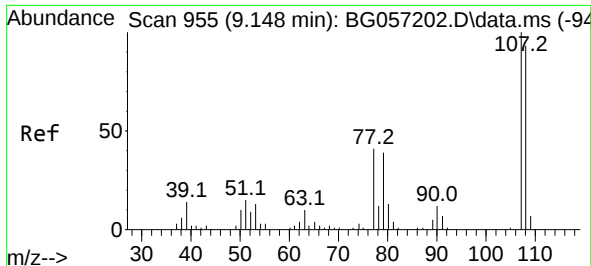


#19
n-Nitroso-di-n-propylamine
Concen: 4.102 ng
RT: 9.156 min Scan# 956
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



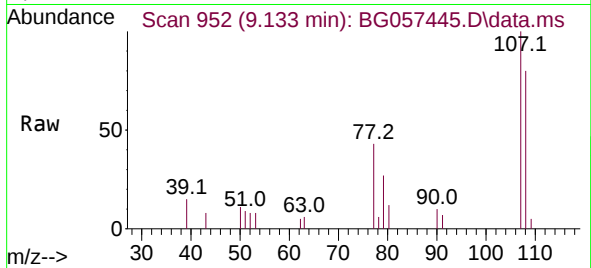
Tgt Ion: 70 Resp: 4608
Ion Ratio Lower Upper
70 100
42 46.9 41.8 62.8
101 6.0 6.8 10.2#
130 17.9 14.2 21.2





#20
3+4-Methylphenols
Concen: 4.240 ng
RT: 9.133 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

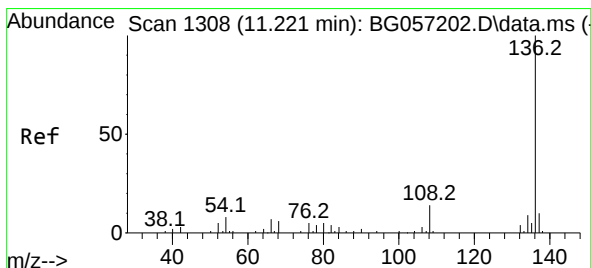
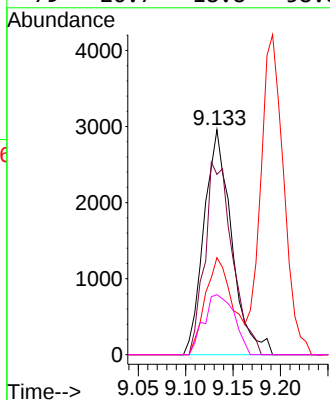
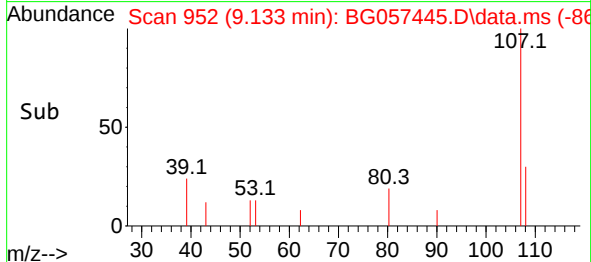
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



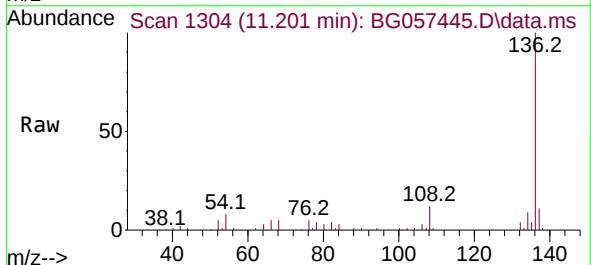
Tgt Ion:107 Resp: 601
Ion Ratio Lower Upper
107 100
108 80.2 73.5 113.5
77 43.1 21.1 61.1
79 26.7 18.8 58.8

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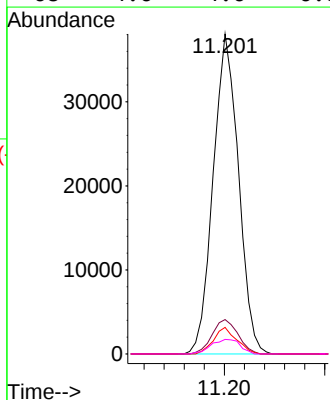
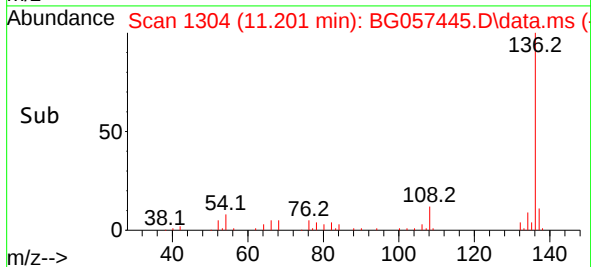
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

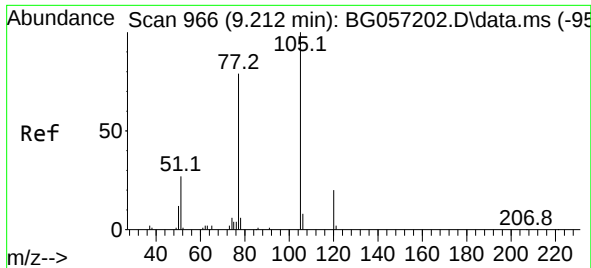


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



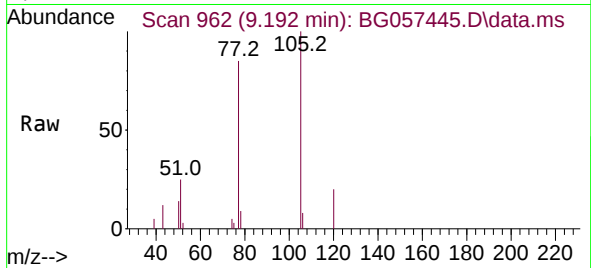
Tgt Ion:136 Resp: 66507
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 8.3 6.7 10.1
68 4.6 4.6 6.8





#22
Acetophenone
Concen: 4.416 ng
RT: 9.192 min Scan# 90
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

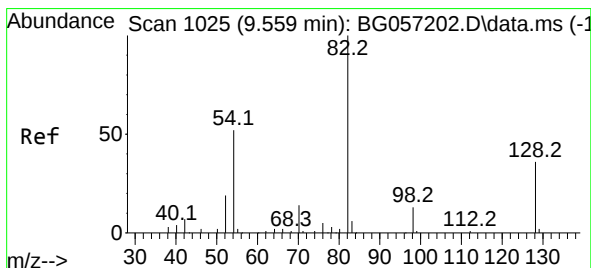
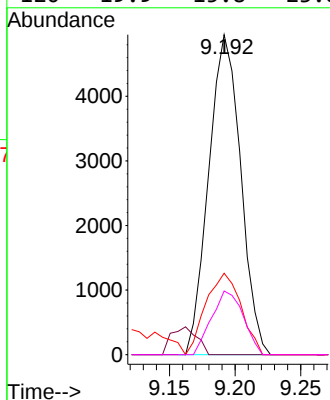
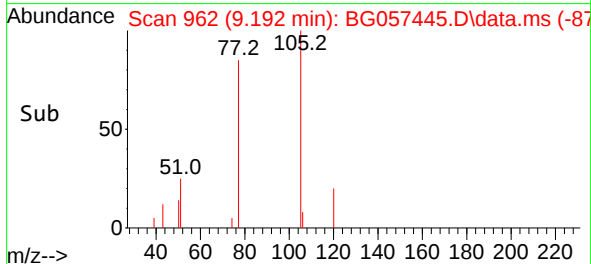
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



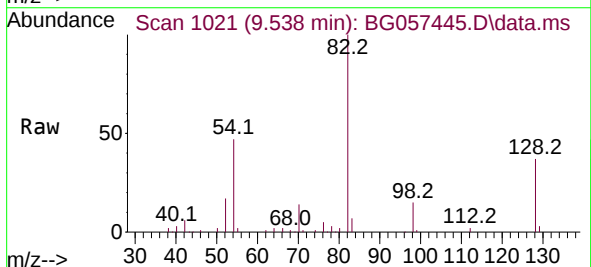
Tgt Ion:105 Resp: 8400
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6
51 25.5 24.0 36.0
120 19.9 15.8 23.8

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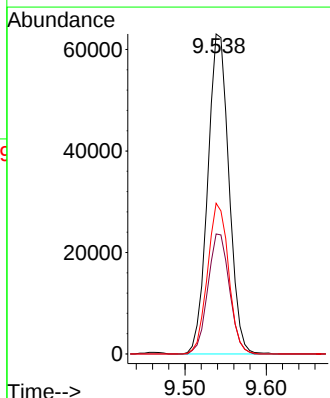
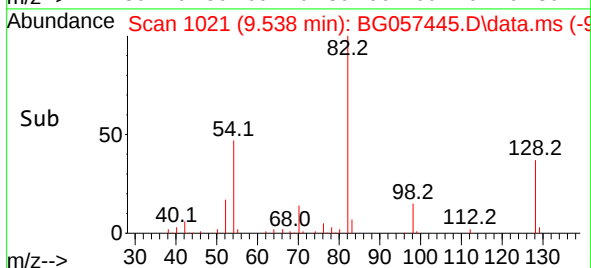
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

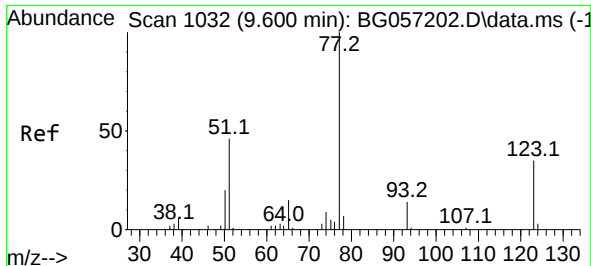


#23
Nitrobenzene-d5
Concen: 72.243 ng
RT: 9.538 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion: 82 Resp: 114476
Ion Ratio Lower Upper
82 100
128 37.5 29.0 43.4
54 47.1 41.4 62.0





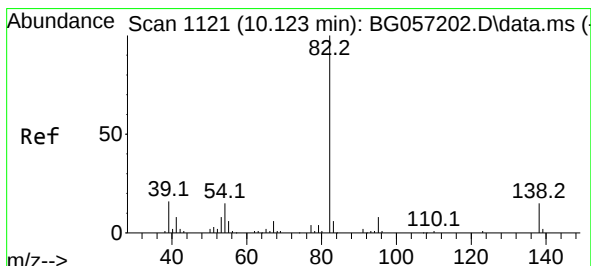
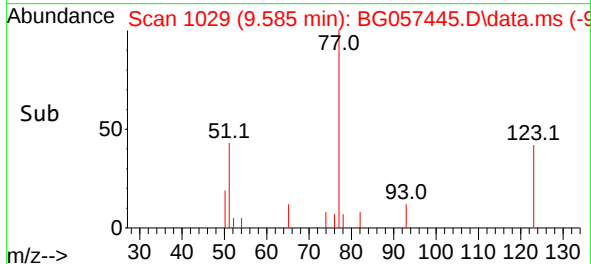
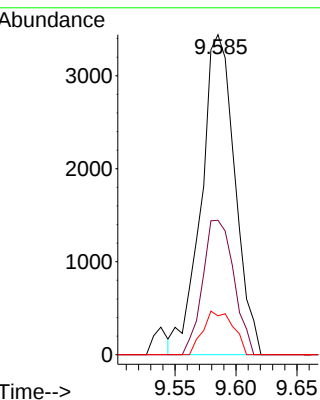
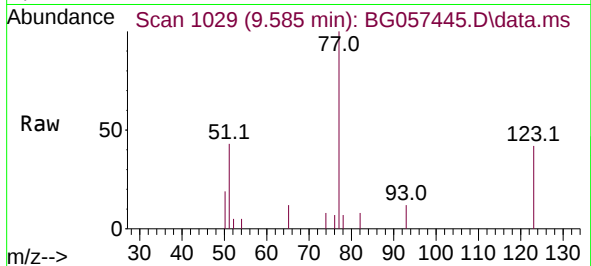
#24
Nitrobenzene
Concen: 4.135 ng
RT: 9.585 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion: 77 Resp: 661
Ion Ratio Lower Upper
77 100
123 42.0 28.2 42.2
65 12.2 11.7 17.5

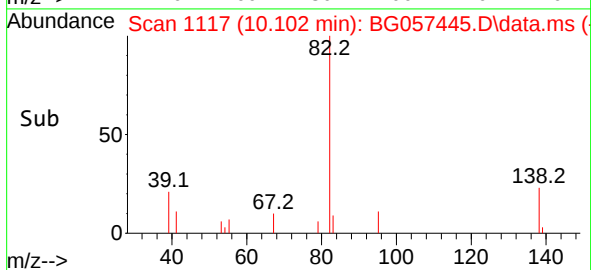
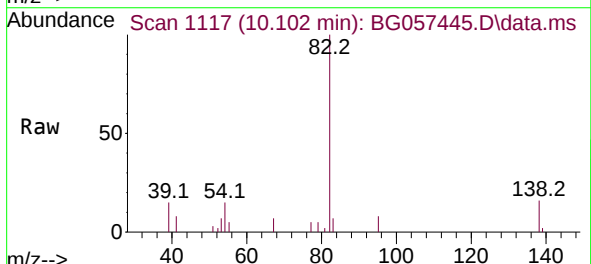
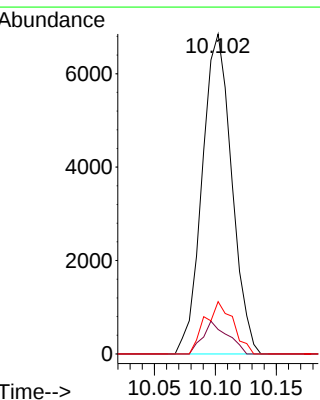
Manual Integrations
APPROVED

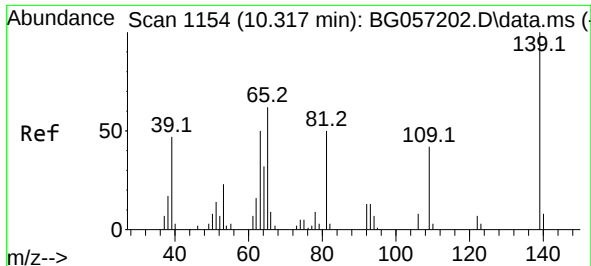
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#25
Isophorone
Concen: 3.757 ng
RT: 10.102 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

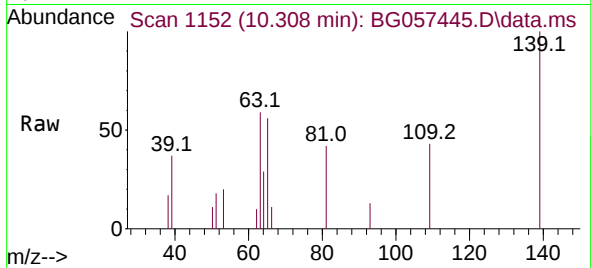
Tgt Ion: 82 Resp: 11545
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 16.3 12.3 18.5





#26
2-Nitrophenol
Concen: 4.285 ng
RT: 10.308 min Scan# 1152
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

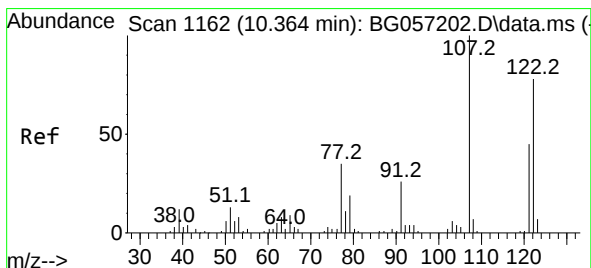
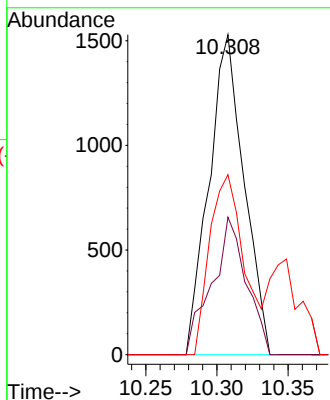
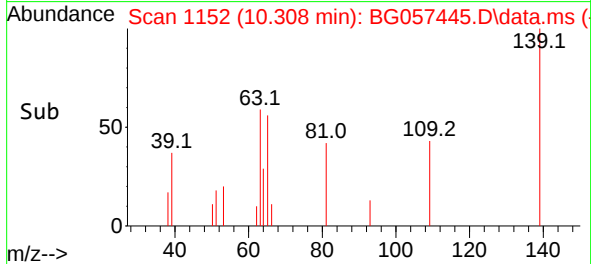
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



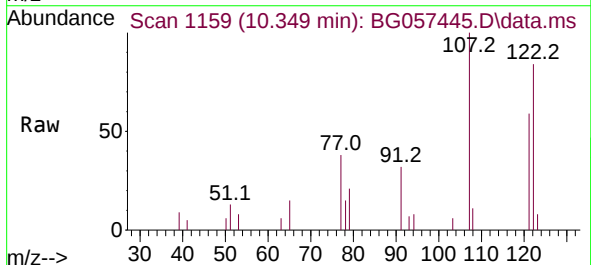
Tgt Ion:139 Resp: 262
Ion Ratio Lower Upper
139 100
109 43.0 33.4 50.2
65 56.2 49.8 74.6

Manual Integrations
APPROVED

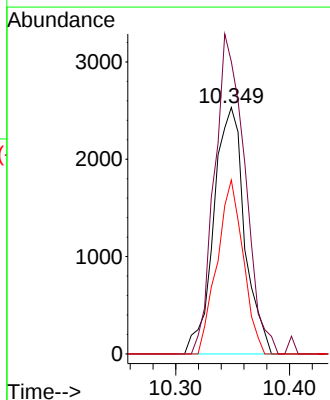
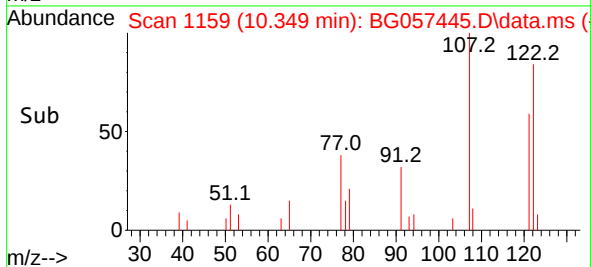
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

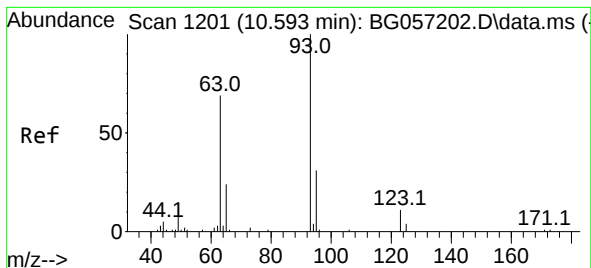


#27
2,4-Dimethylphenol
Concen: 4.443 ng
RT: 10.349 min Scan# 1159
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



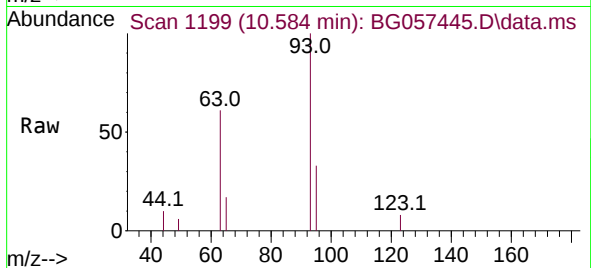
Tgt Ion:122 Resp: 4763
Ion Ratio Lower Upper
122 100
107 118.6 103.0 154.4
121 70.6 45.9 68.9#





#28
bis(2-Chloroethoxy)methane
Concen: 4.368 ng
RT: 10.584 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

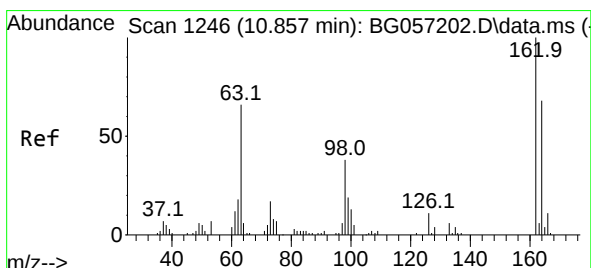
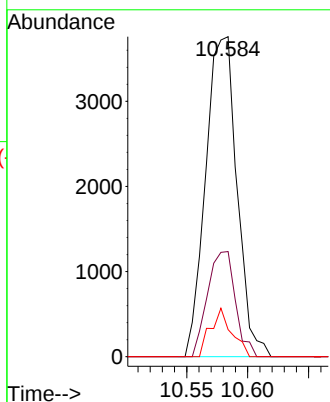
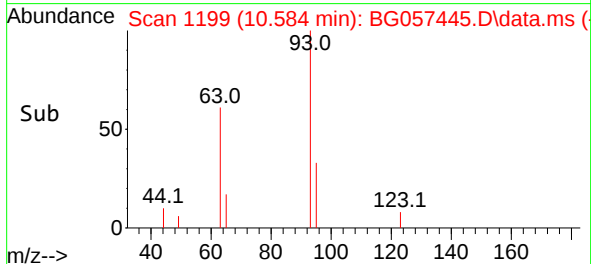
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



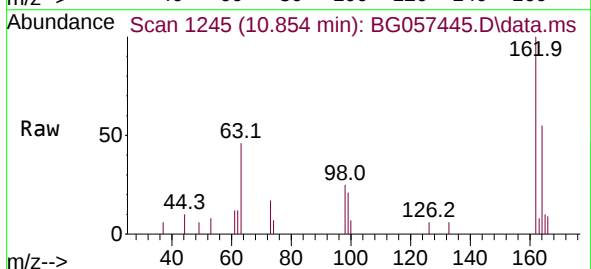
Tgt Ion: 93 Resp: 6724
Ion Ratio Lower Upper
93 100
95 32.8 25.0 37.6
123 8.4 8.5 12.7

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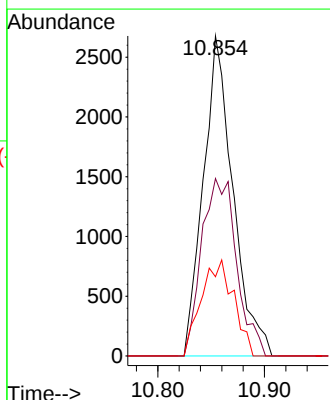
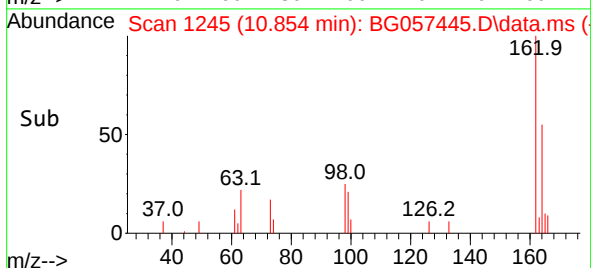
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

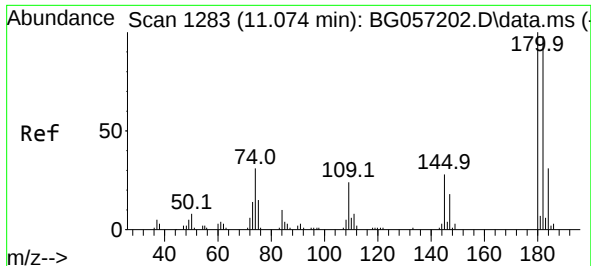


#29
2,4-Dichlorophenol
Concen: 4.555 ng
RT: 10.854 min Scan# 1245
Delta R.T. 0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



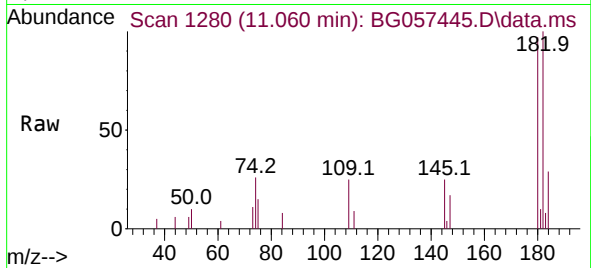
Tgt Ion:162 Resp: 5179
Ion Ratio Lower Upper
162 100
164 55.5 48.4 88.4
98 24.8 17.6 57.6





#30
1,2,4-Trichlorobenzene
Concen: 4.751 ng
RT: 11.060 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

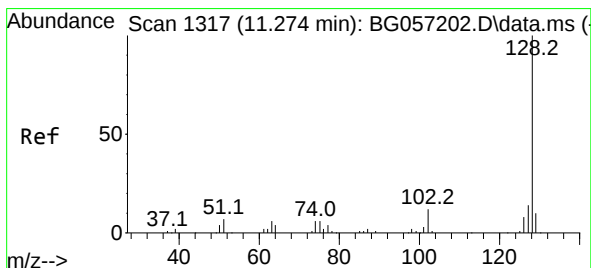
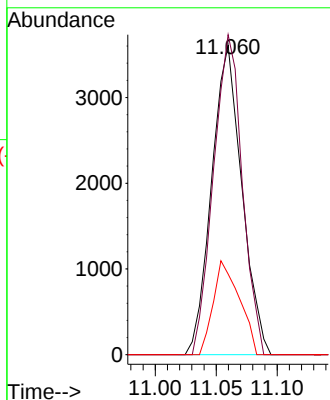
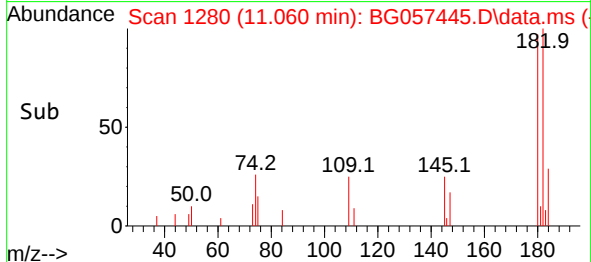
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



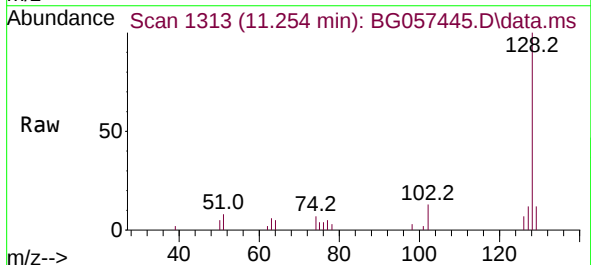
Tgt Ion:180 Resp: 623
Ion Ratio Lower Upper
180 100
182 103.4 78.0 117.0
145 26.1 22.4 33.6

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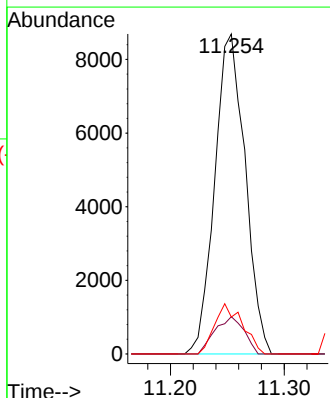
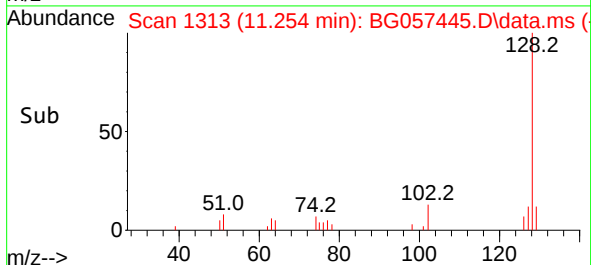
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

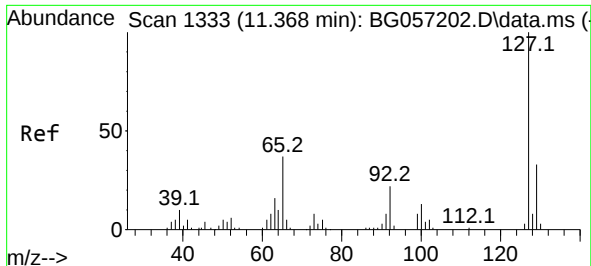


#31
Naphthalene
Concen: 4.537 ng
RT: 11.254 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



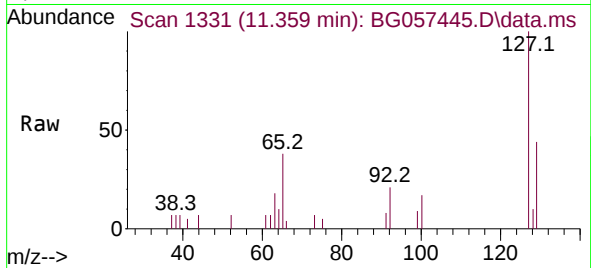
Tgt Ion:128 Resp: 16133
Ion Ratio Lower Upper
128 100
129 11.7 8.3 12.5
127 11.5 11.1 16.7





#33
4-Chloroaniline
Concen: 4.215 ng
RT: 11.359 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

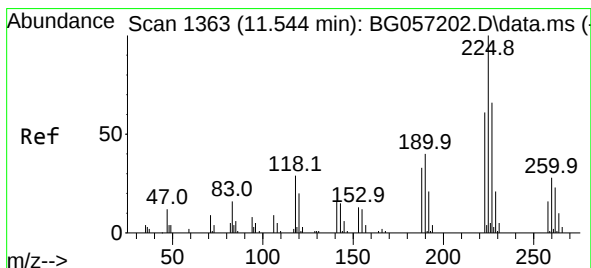
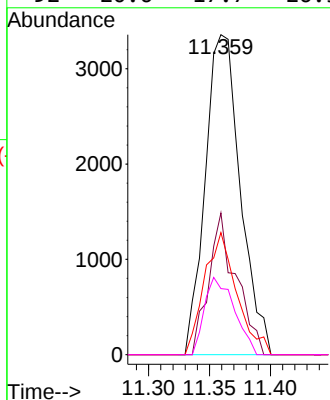
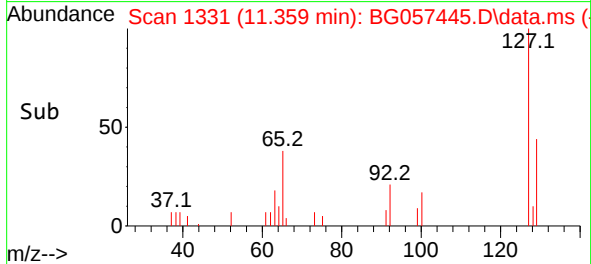
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



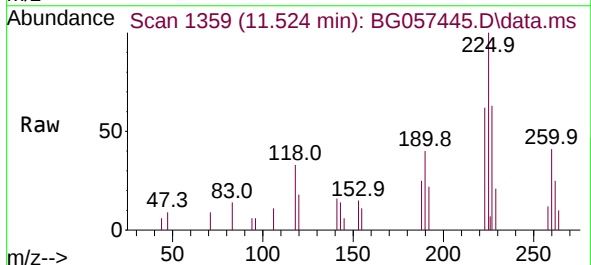
Tgt Ion:127 Resp: 6730
Ion Ratio Lower Upper
127 100
129 44.3 26.7 40.1
65 38.1 29.7 44.5
92 20.6 17.7 26.5

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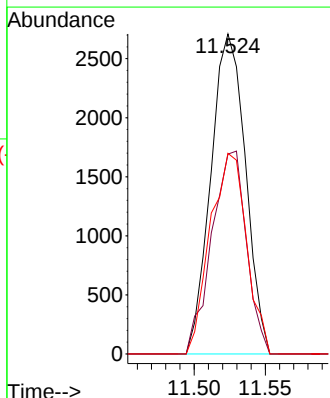
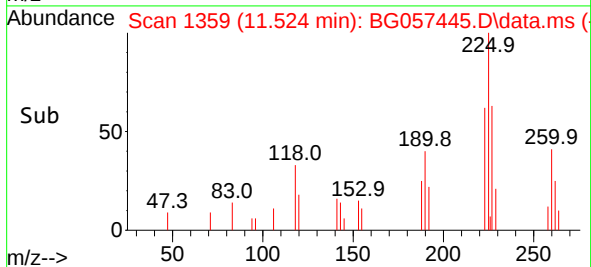
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

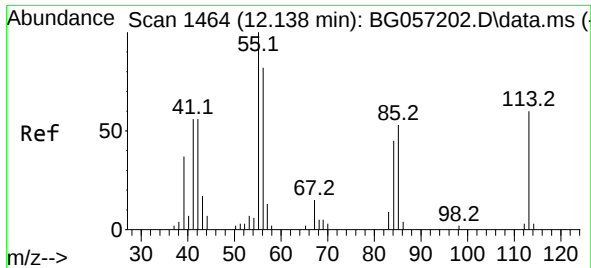


#34
Hexachlorobutadiene
Concen: 4.720 ng
RT: 11.524 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



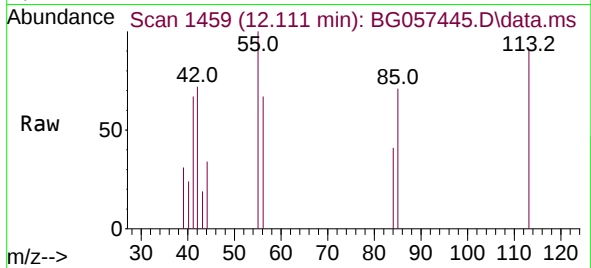
Tgt Ion:225 Resp: 4593
Ion Ratio Lower Upper
225 100
223 62.5 48.6 72.8
227 62.7 52.7 79.1





#35
Caprolactam
Concen: 4.161 ng
RT: 12.111 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

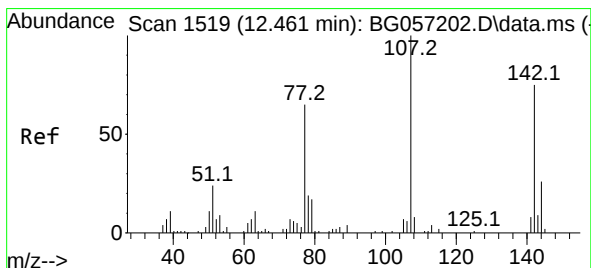
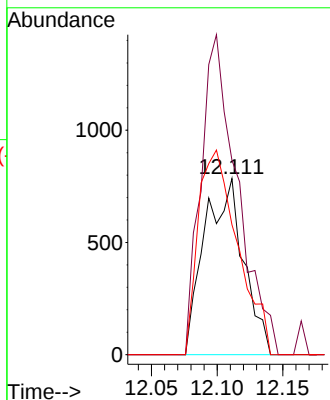
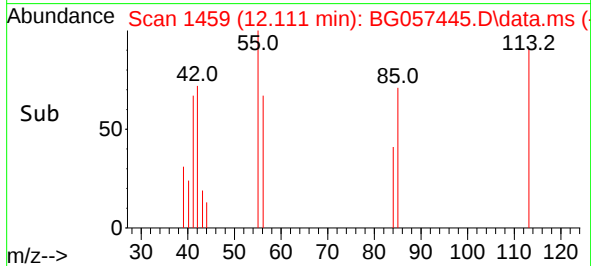
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



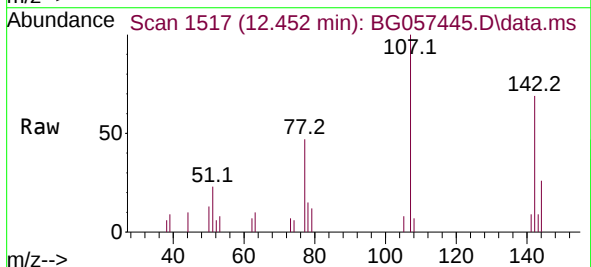
Tgt Ion:113 Resp: 1610
Ion Ratio Lower Upper
113 100
55 110.3 145.5 185.5
56 73.8 115.9 155.9

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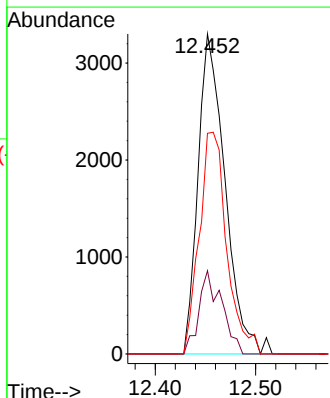
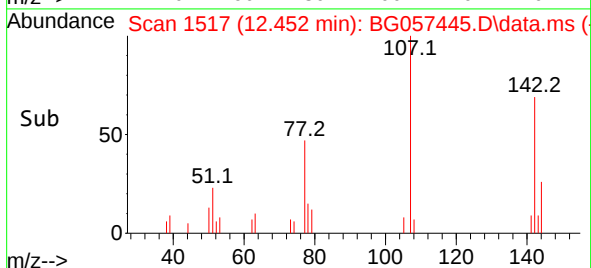
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

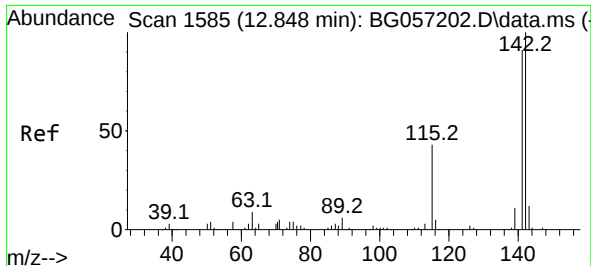


#36
4-Chloro-3-methylphenol
Concen: 4.778 ng
RT: 12.452 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion:107 Resp: 6174
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.6
142 69.0 60.0 90.0





#37

2-Methylnaphthalene

Concen: 4.521 ng

RT: 12.834 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

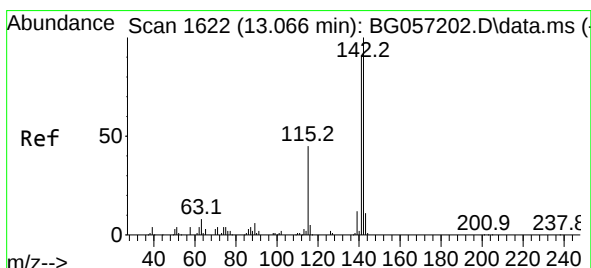
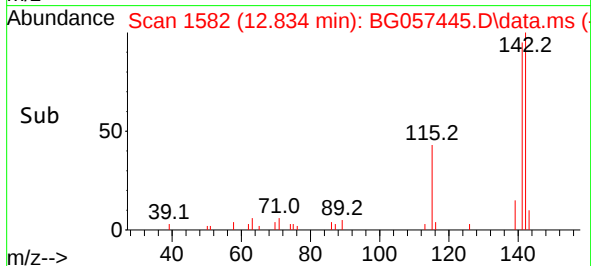
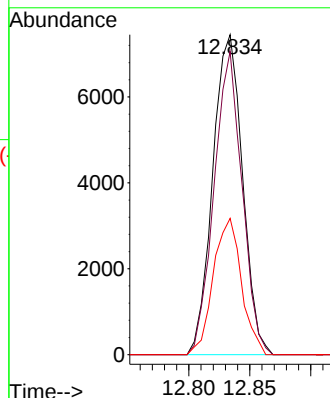
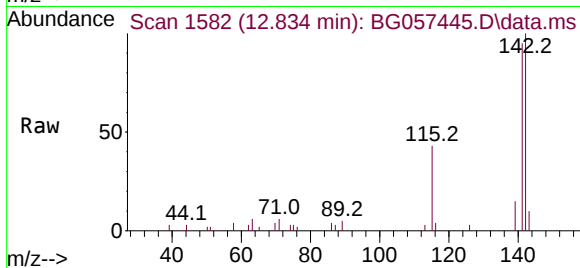
LOQ-SOIL-02-QT2-2023

Tgt Ion:	142	Resp:	12639
Ion Ratio	Lower	Upper	
142	100		
141	94.8	73.1	109.7
115	42.6	34.6	52.0

Manual Integrations

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



#38

1-Methylnaphthalene

Concen: 4.810 ng

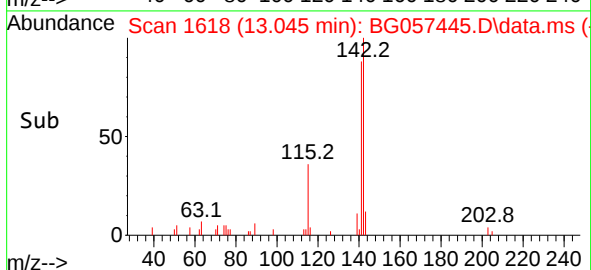
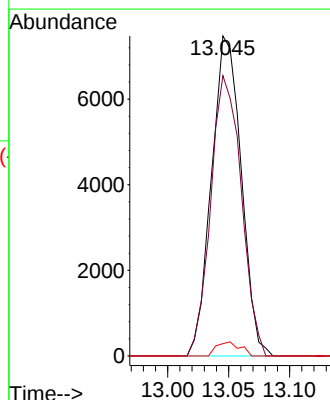
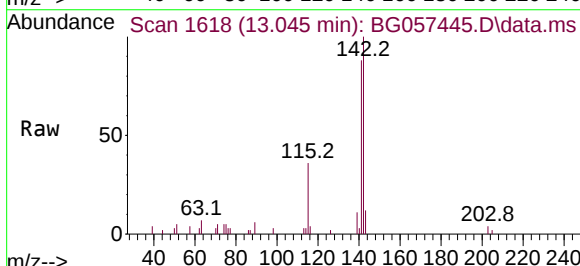
RT: 13.045 min Scan# 1618

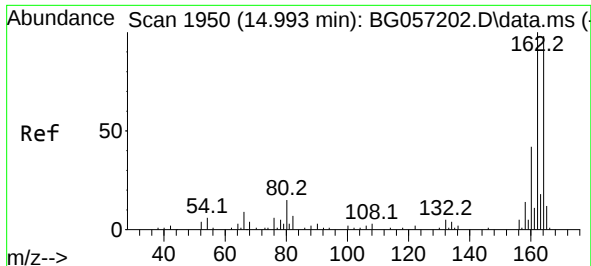
Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

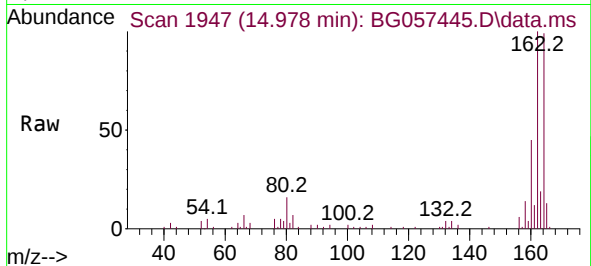
Tgt Ion:	142	Resp:	12675
Ion Ratio	Lower	Upper	
142	100		
141	87.6	72.5	108.7
116	3.9	3.7	5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.978 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

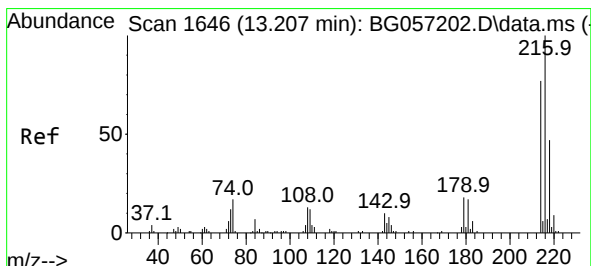
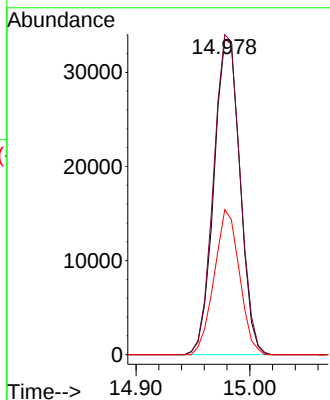
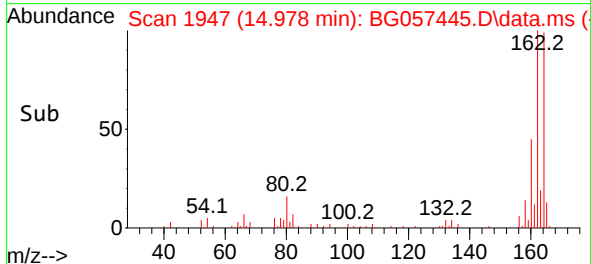
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:164 Resp: 5343
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 45.9 34.6 52.0

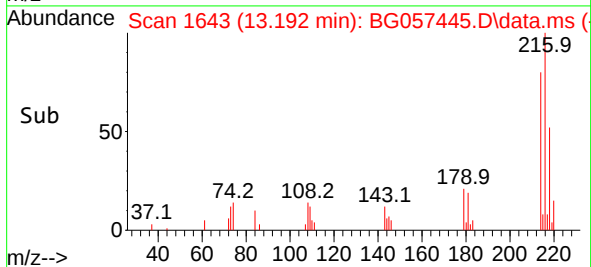
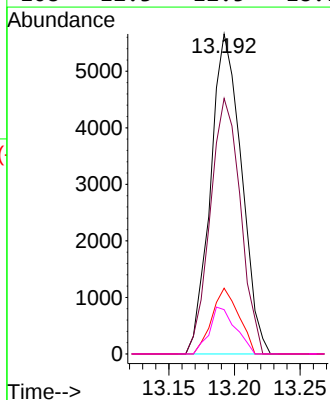
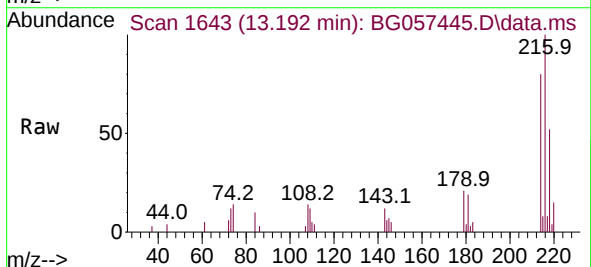
Manual Integrations
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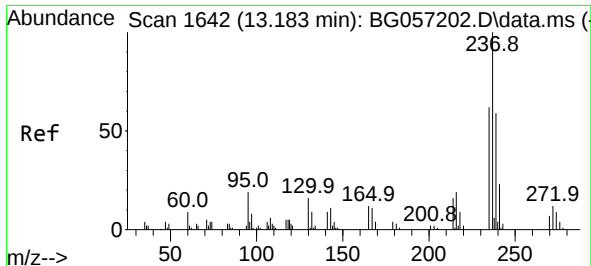
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.882 ng
RT: 13.192 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

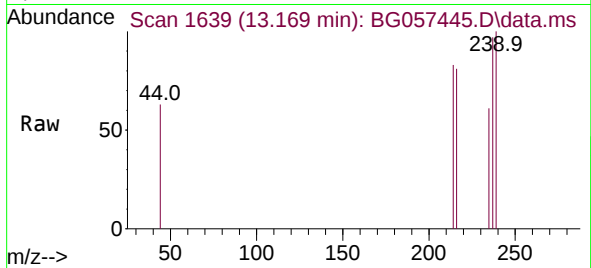
Tgt Ion:216 Resp: 9261
Ion Ratio Lower Upper
216 100
214 78.1 63.7 95.5
179 17.9 14.6 22.0
108 12.3 12.5 18.7#





#41
Hexachlorocyclopentadiene
Concen: 6.788 ng
RT: 13.169 min Scan# 1642
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

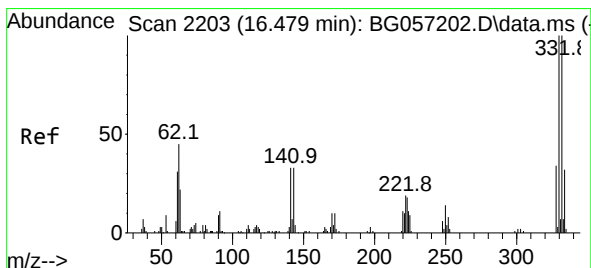
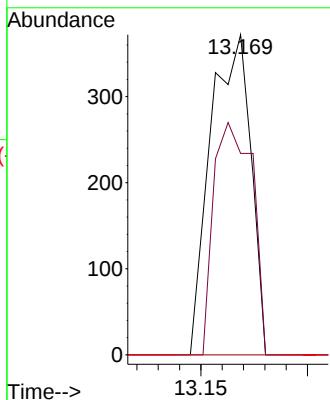
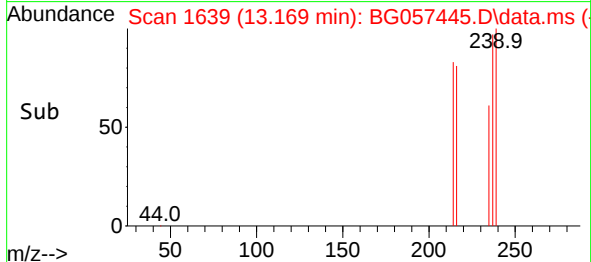
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



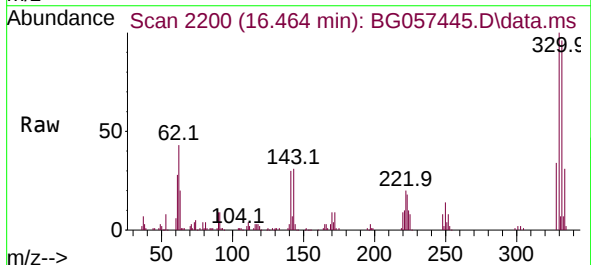
Tgt Ion: 237 Resp: 488
Ion Ratio Lower Upper
237 100
235 62.9 42.0 82.0
272 0.0 0.0 31.5

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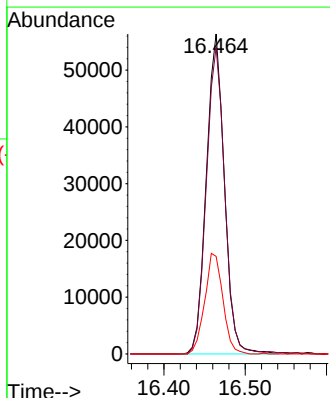
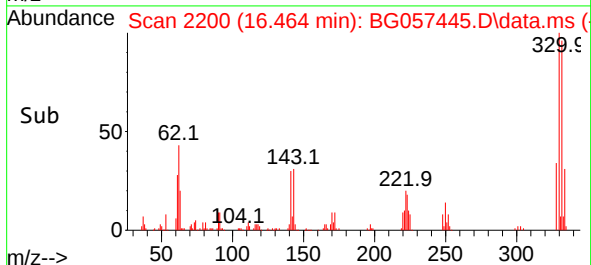
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

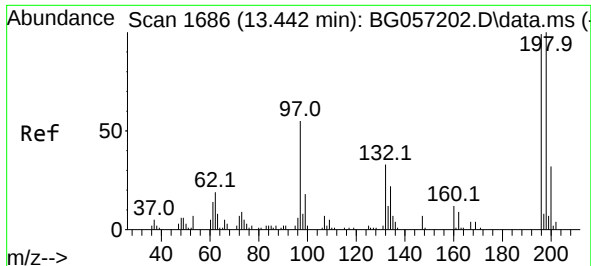


#42
2,4,6-Tribromophenol
Concen: 114.963 ng
RT: 16.464 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion: 330 Resp: 87167
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.2
141 31.5 27.8 41.8





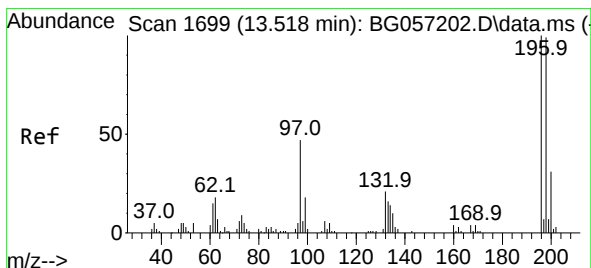
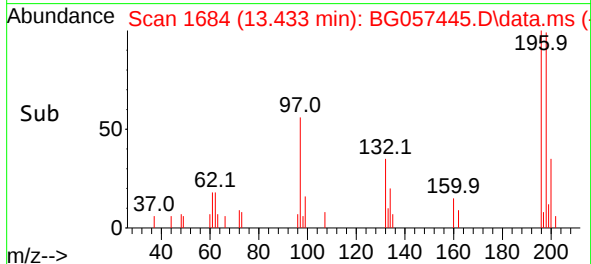
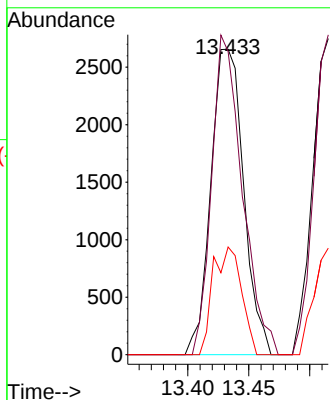
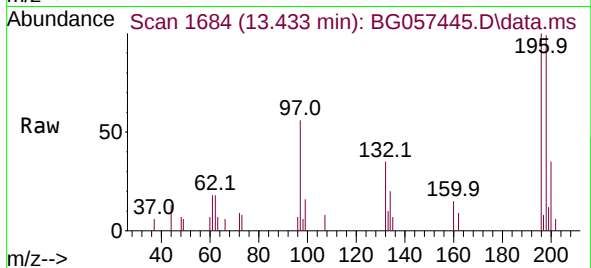
#43
2,4,6-Trichlorophenol
Concen: 4.292 ng
RT: 13.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion:196 Resp: 496
Ion Ratio Lower Upper
196 100
198 99.2 81.2 121.8
200 35.3 26.3 39.5

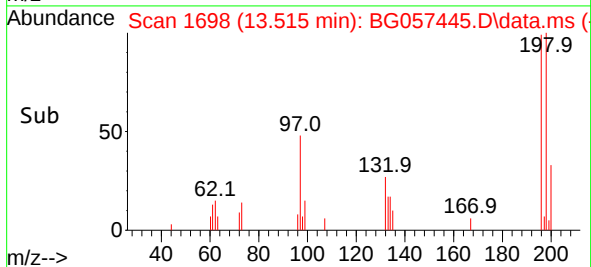
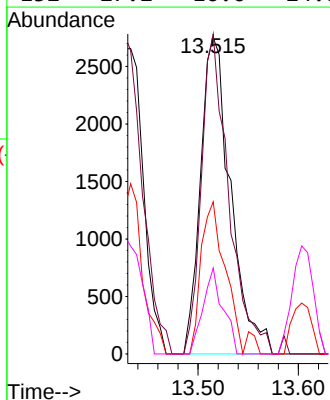
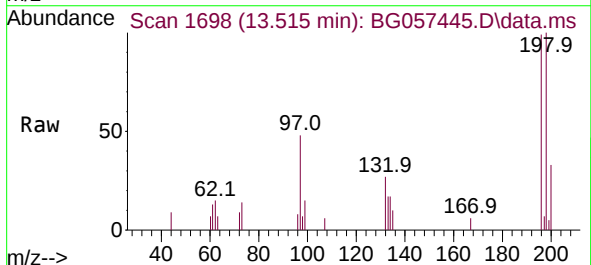
Manual Integrations
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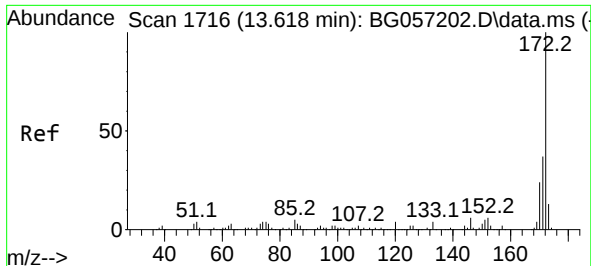
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#44
2,4,5-Trichlorophenol
Concen: 4.218 ng
RT: 13.515 min Scan# 1698
Delta R.T. 0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

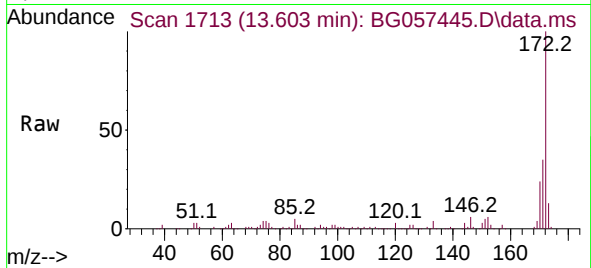
Tgt Ion:196 Resp: 5735
Ion Ratio Lower Upper
196 100
198 101.2 79.4 119.2
97 48.1 37.0 55.4
132 27.2 16.6 24.8#





#45
2-Fluorobiphenyl
Concen: 78.320 ng
RT: 13.603 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

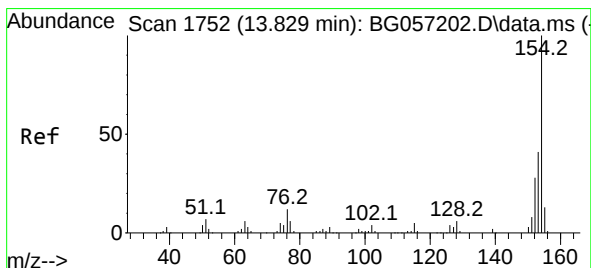
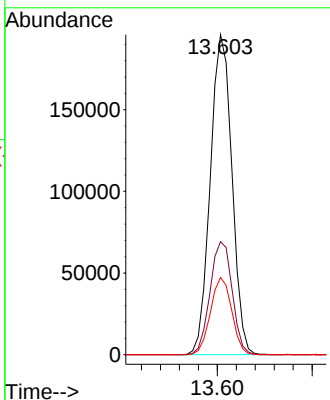
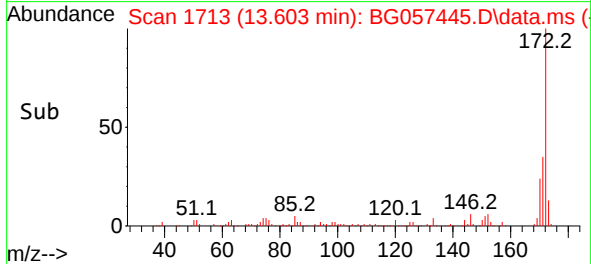
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:172 Resp: 310749
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 24.2 19.0 28.6

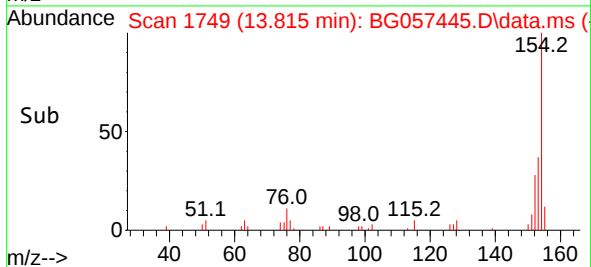
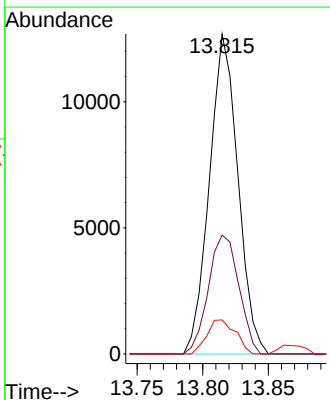
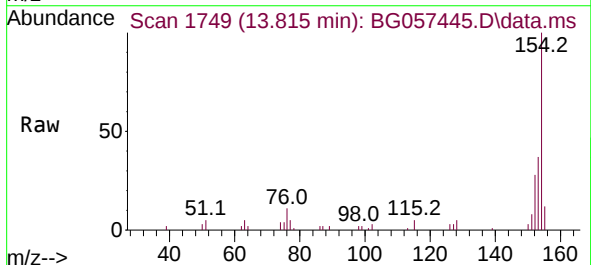
Manual Integrations
APPROVED

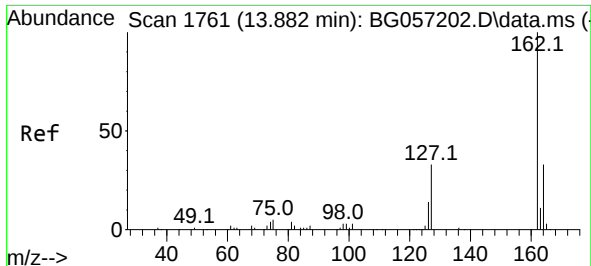
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#46
1,1'-Biphenyl
Concen: 4.825 ng
RT: 13.815 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:154 Resp: 19134
Ion Ratio Lower Upper
154 100
153 37.2 20.9 60.9
76 10.6 0.0 31.7





#47

2-Chloronaphthalene

Concen: 4.907 ng

RT: 13.868 min Scan# 1758

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

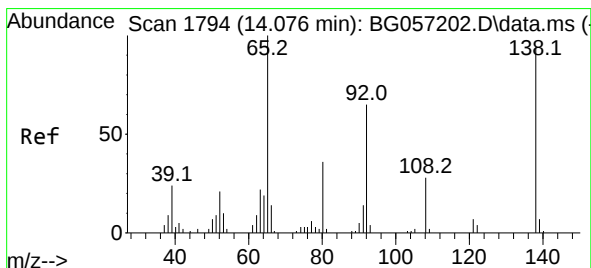
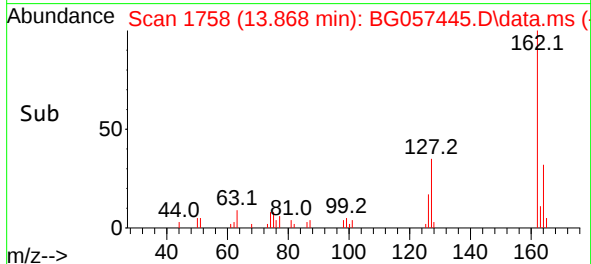
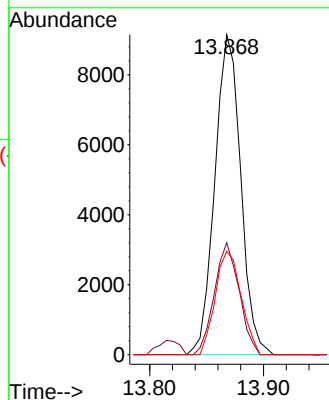
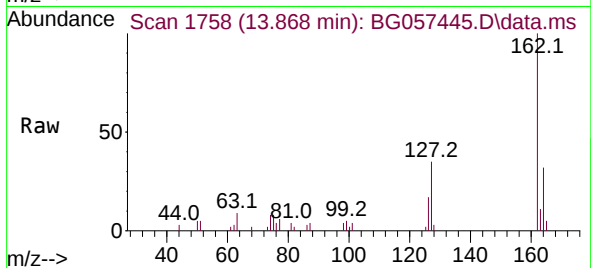
Tgt Ion:	162	Resp:	14470
Ion Ratio	Lower	Upper	
162	100		
127	35.0	29.8	44.6
164	32.3	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#48

2-Nitroaniline

Concen: 3.966 ng

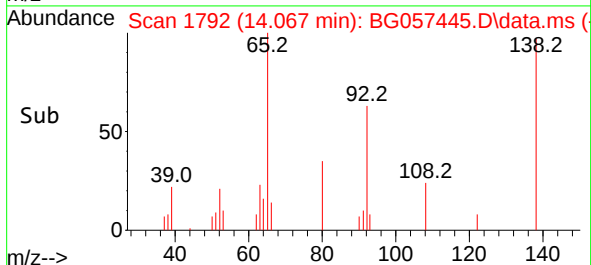
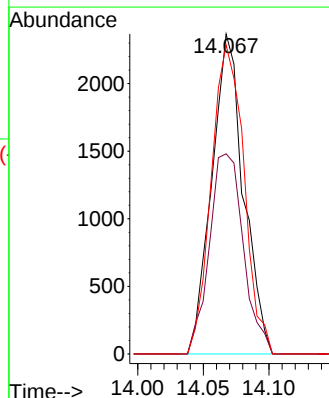
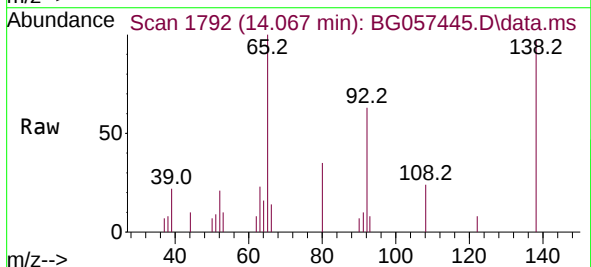
RT: 14.067 min Scan# 1792

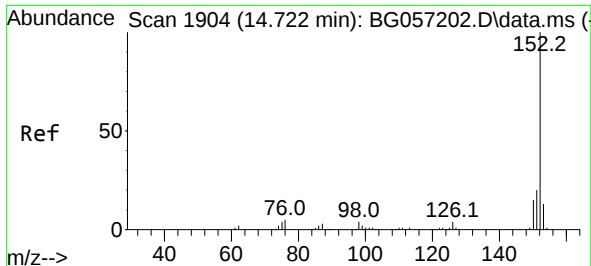
Delta R.T. 0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Tgt Ion:	65	Resp:	3976
Ion Ratio	Lower	Upper	
65	100		
92	62.6	52.1	78.1
138	96.5	75.3	112.9





#49

Acenaphthylene

Concen: 4.711 ng

RT: 14.708 min Scan# 1901

Delta R.T. -0.000 min

Lab File: BG057445.D

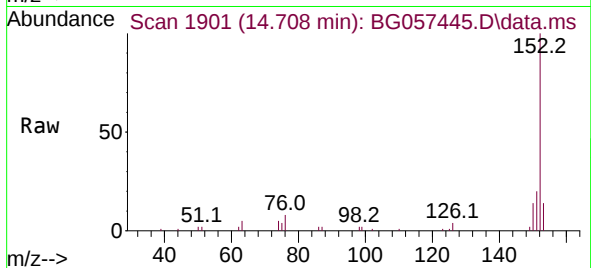
Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:152 Resp: 22569

Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

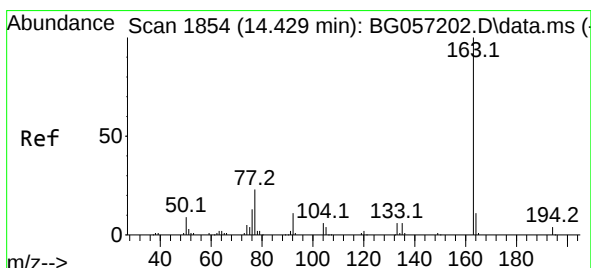
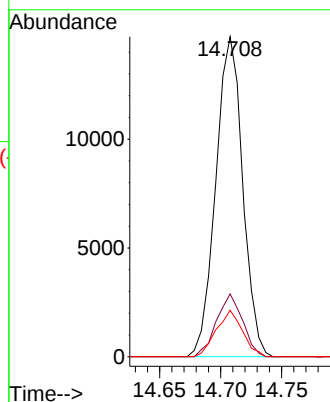
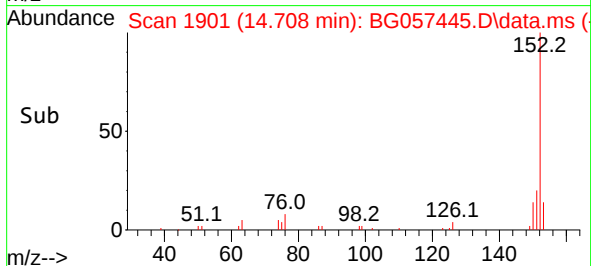
153 14.5 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#50

Dimethylphthalate

Concen: 4.333 ng

RT: 14.414 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

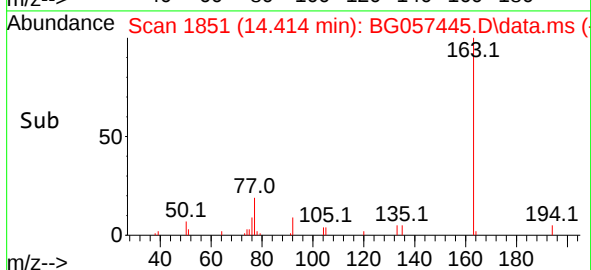
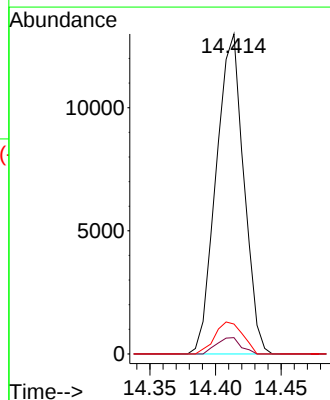
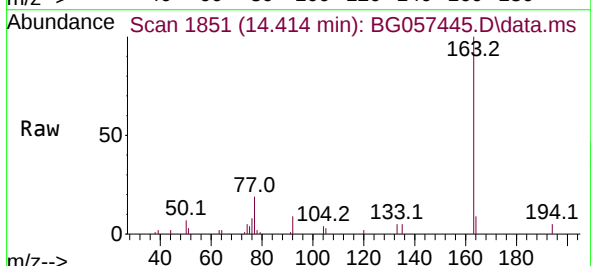
Tgt Ion:163 Resp: 19025

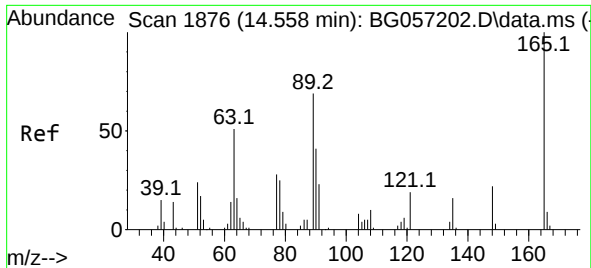
Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.2

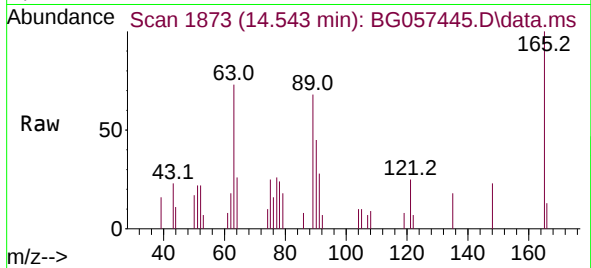
164 9.4 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 4.566 ng
RT: 14.543 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

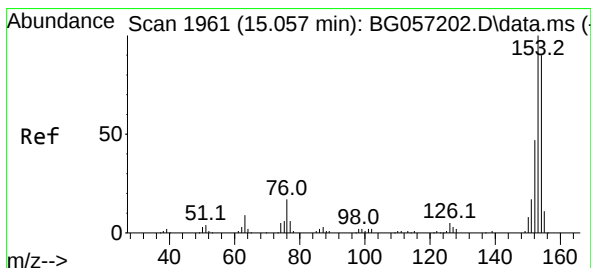
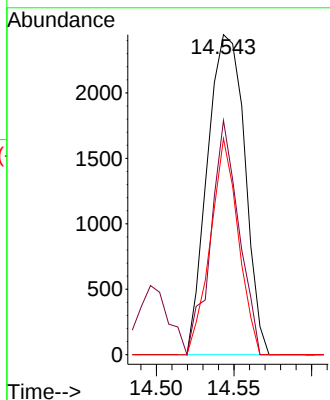
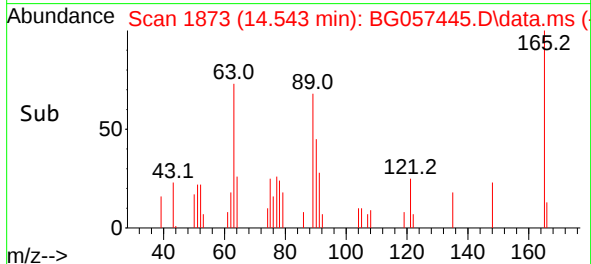
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 4094
Ion Ratio Lower Upper
165 100
63 73.2 50.9 76.3
89 67.6 55.2 82.8

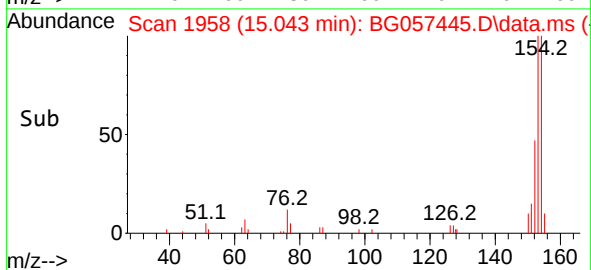
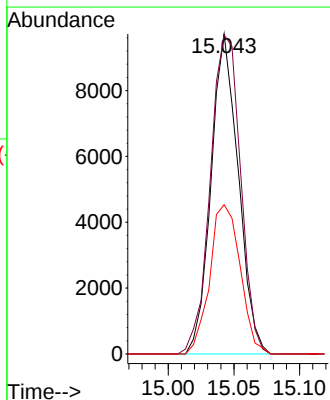
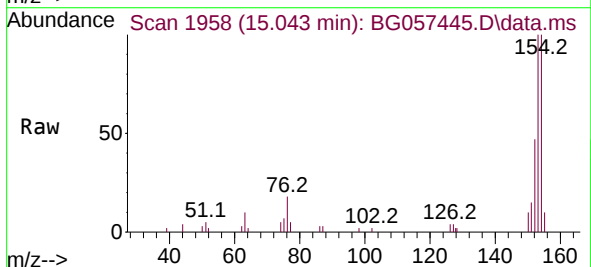
Manual Integrations
APPROVED

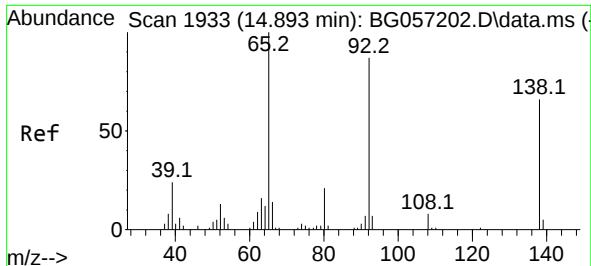
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#52
Acenaphthene
Concen: 4.680 ng
RT: 15.043 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

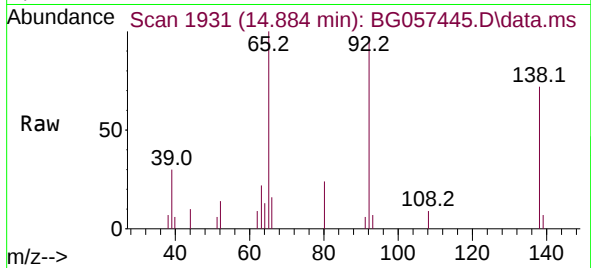
Tgt Ion:154 Resp: 14010
Ion Ratio Lower Upper
154 100
153 99.7 89.3 133.9
152 46.7 41.7 62.5





#53
3-Nitroaniline
Concen: 3.952 ng
RT: 14.884 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

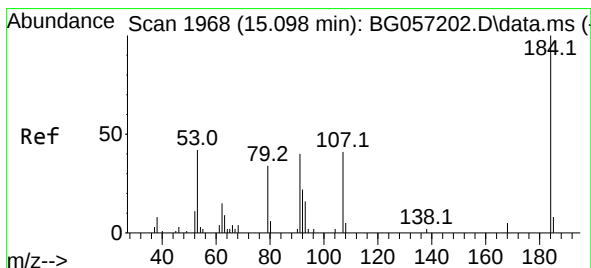
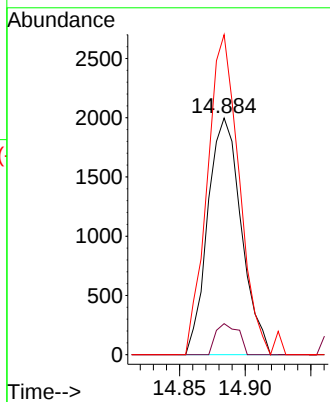
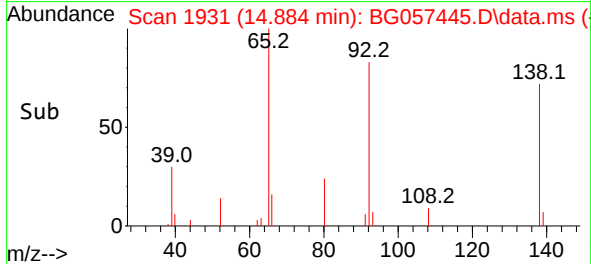
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:138 Resp: 3550
Ion Ratio Lower Upper
138 100
108 13.1 9.5 14.3
92 135.3 106.2 159.4

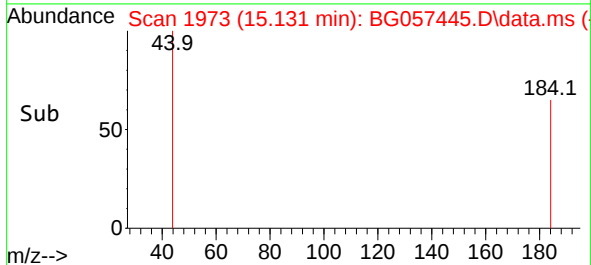
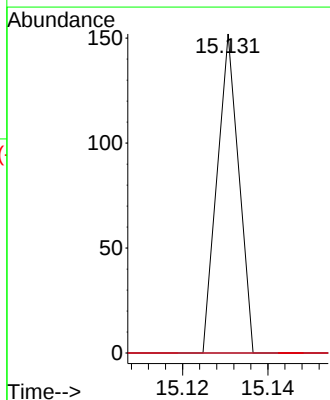
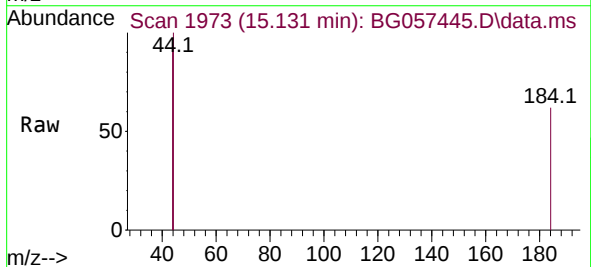
Manual Integrations
APPROVED

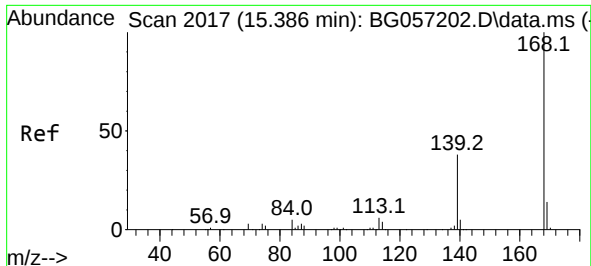
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#54
2,4-Dinitrophenol
Concen: 5.008 ng
RT: 15.131 min Scan# 1973
Delta R.T. 0.035 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

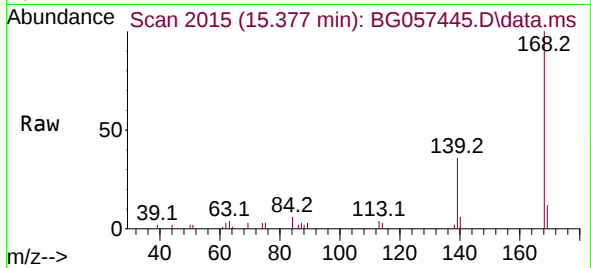
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#





#55
Dibenzenofuran
Concen: 4.616 ng
RT: 15.377 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

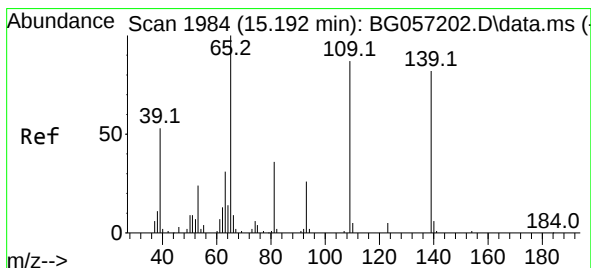
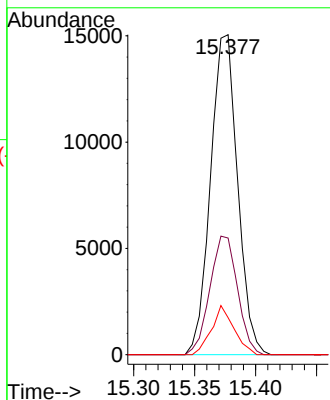
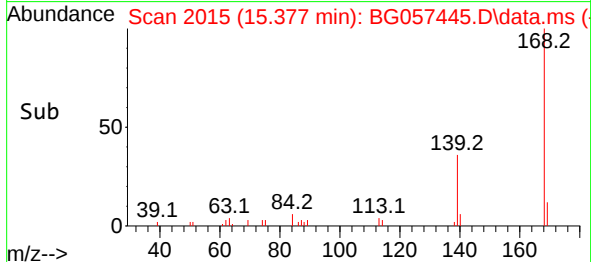
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



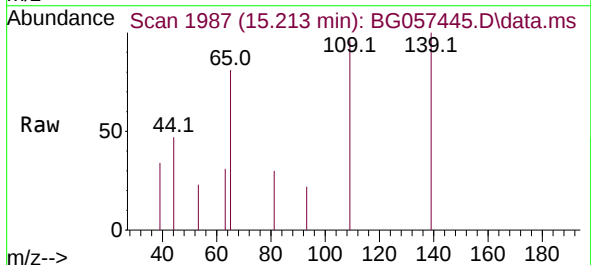
Tgt Ion:168 Resp: 23214
Ion Ratio Lower Upper
168 100
139 36.5 30.7 46.1
169 11.6 10.9 16.3

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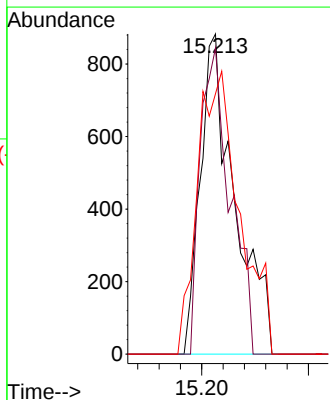
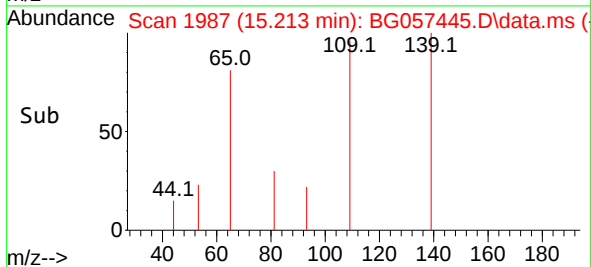
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

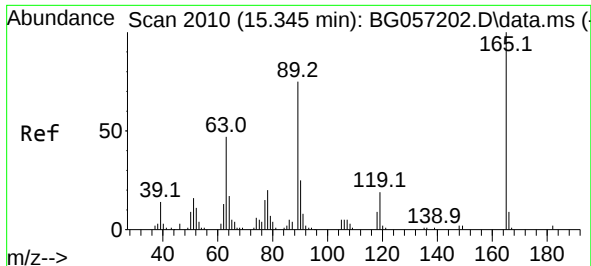


#56
4-Nitrophenol
Concen: 3.313 ng
RT: 15.213 min Scan# 1987
Delta R.T. 0.029 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



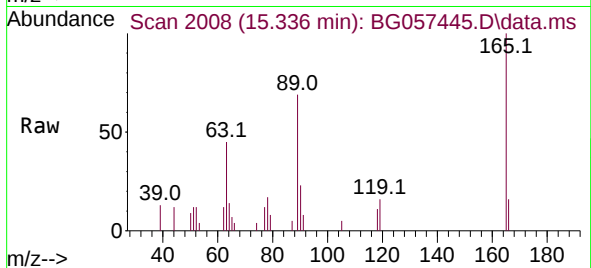
Tgt Ion:139 Resp: 1979
Ion Ratio Lower Upper
139 100
109 95.6 86.6 126.6
65 81.3 102.6 142.6#





#57
2,4-Dinitrotoluene
Concen: 4.273 ng
RT: 15.336 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

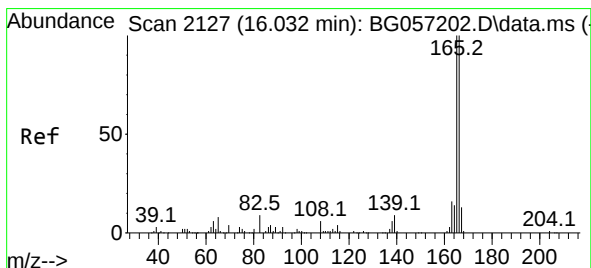
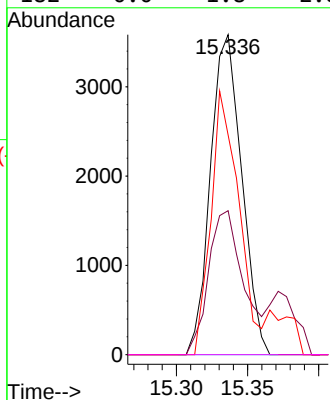
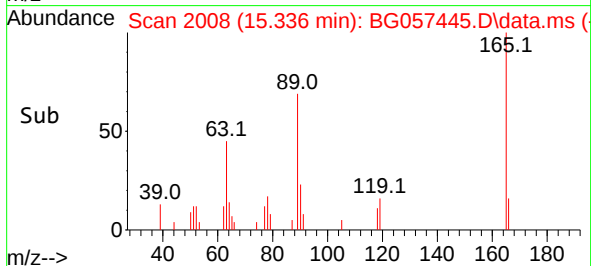
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 5475
Ion Ratio Lower Upper
165 100
63 45.0 37.5 56.3
89 68.6 60.2 90.4
182 0.0 1.8 2.8#

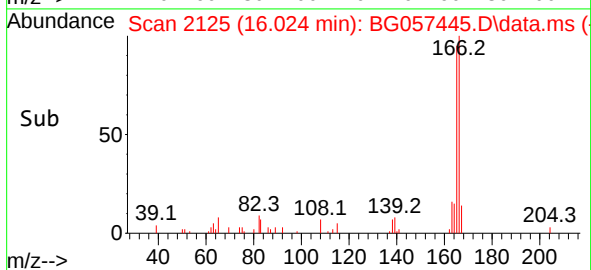
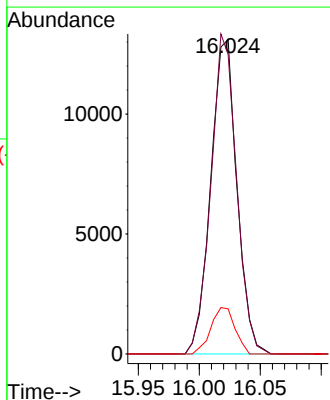
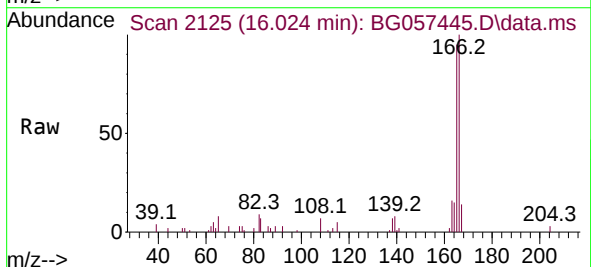
Manual Integrations
APPROVED

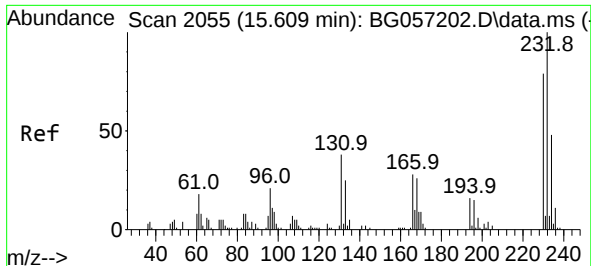
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#58
Fluorene
Concen: 4.732 ng
RT: 16.024 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

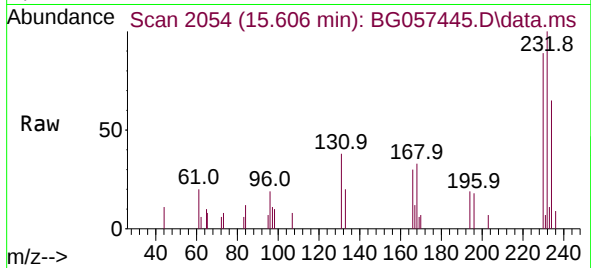
Tgt Ion:166 Resp: 19605
Ion Ratio Lower Upper
166 100
165 95.2 80.1 120.1
167 14.3 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.251 ng
RT: 15.606 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

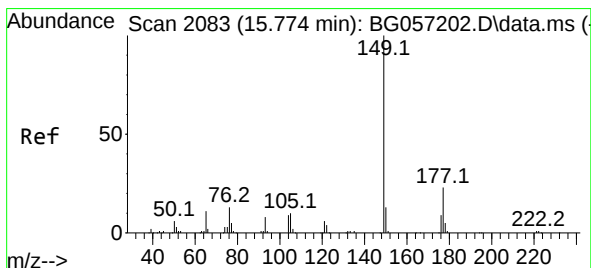
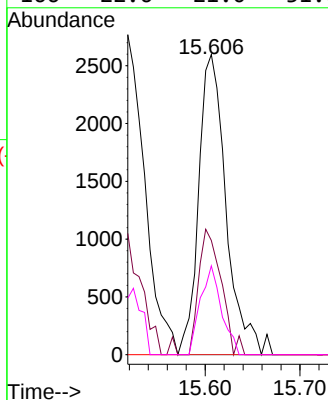
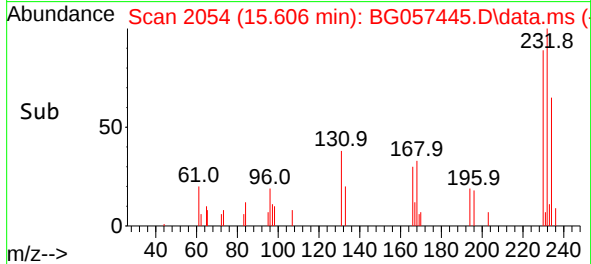
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



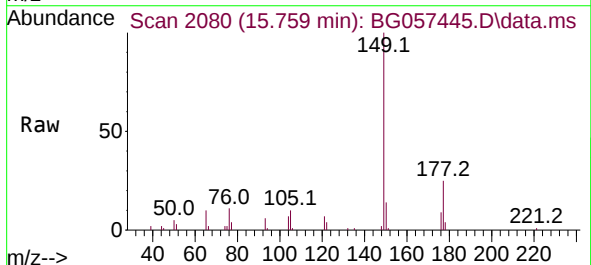
Tgt Ion:232 Resp: 5239
Ion Ratio Lower Upper
232 100
131 34.2 28.6 42.8
130 0.0 1.6 2.4
166 22.6 21.0 31.6

Manual Integrations
APPROVED

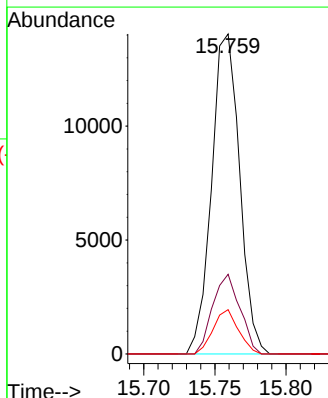
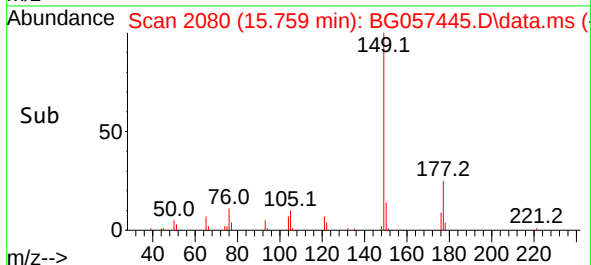
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

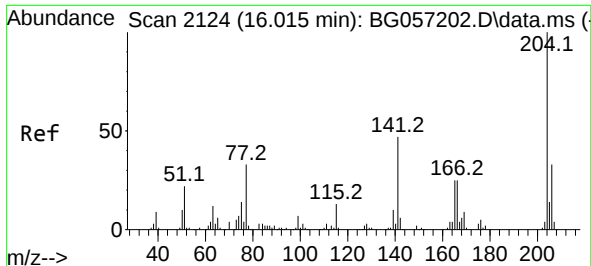


#60
Diethylphthalate
Concen: 4.316 ng
RT: 15.759 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



Tgt Ion:149 Resp: 19247
Ion Ratio Lower Upper
149 100
177 24.9 18.3 27.5
150 13.9 10.1 15.1





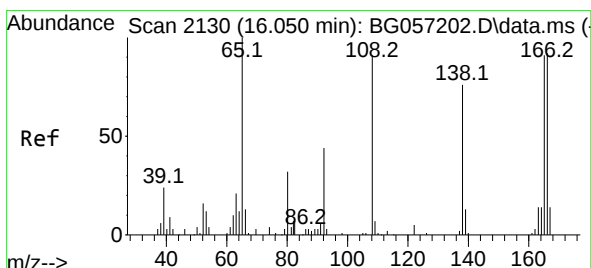
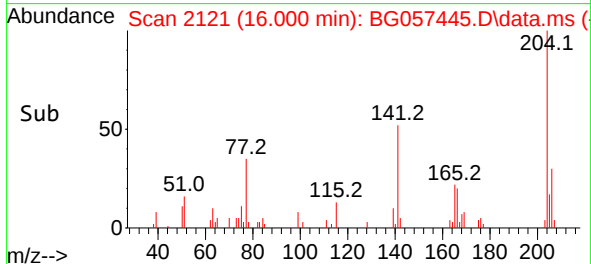
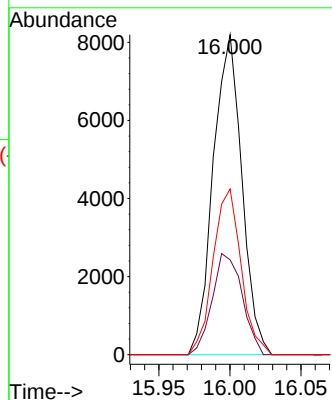
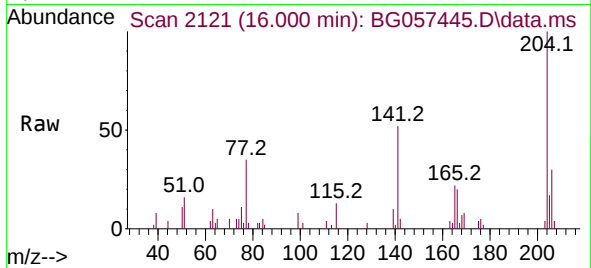
#61
4-Chlorophenyl-phenylether
Concen: 4.591 ng
RT: 16.000 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion:204 Resp: 11459
Ion Ratio Lower Upper
204 100
206 29.7 26.5 39.7
141 51.8 37.4 56.0

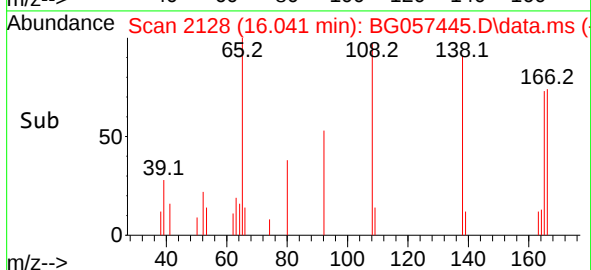
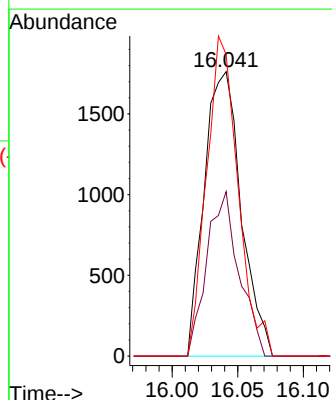
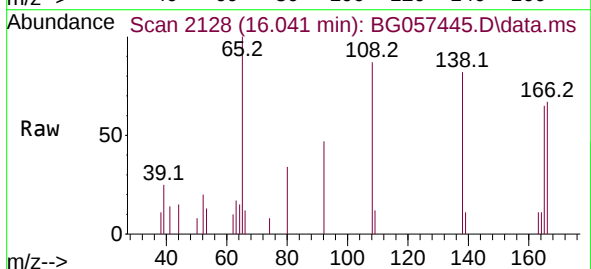
Manual Integrations
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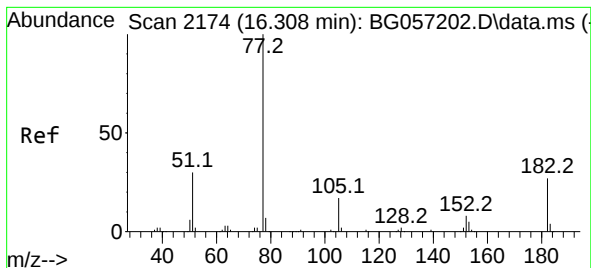
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#62
4-Nitroaniline
Concen: 3.807 ng
RT: 16.041 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:138 Resp: 3450
Ion Ratio Lower Upper
138 100
92 57.8 38.2 78.2
108 106.0 99.6 139.6





#63

Azobenzene

Concen: 4.195 ng

RT: 16.294 min Scan# 2171

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

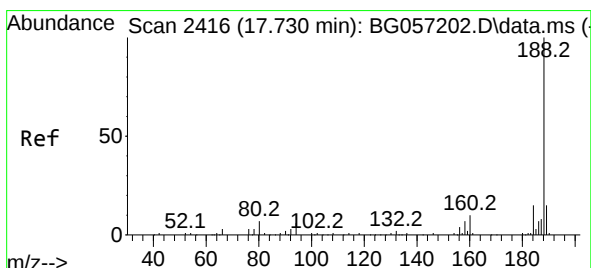
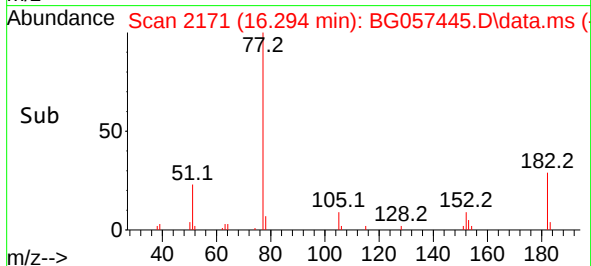
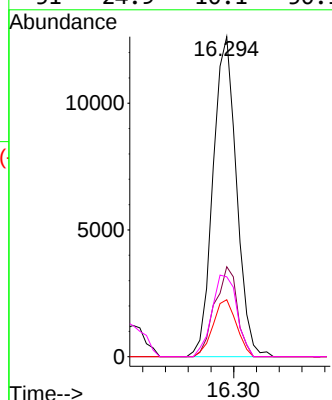
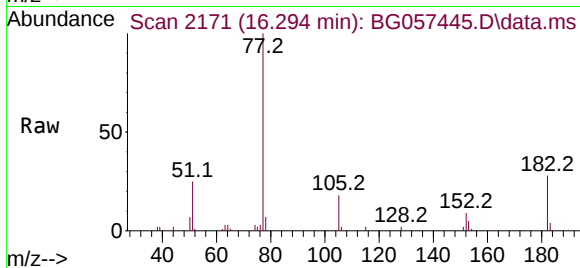
Tgt Ion: 77	Resp: 1805
Ion Ratio	Lower Upper
77 100	
182 28.1	7.4 47.4
105 17.8	0.0 37.2
51 24.9	10.1 50.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

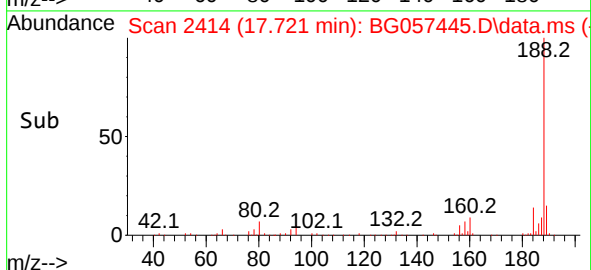
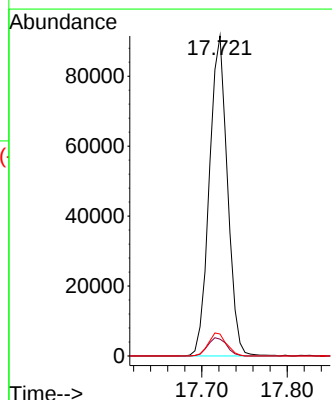
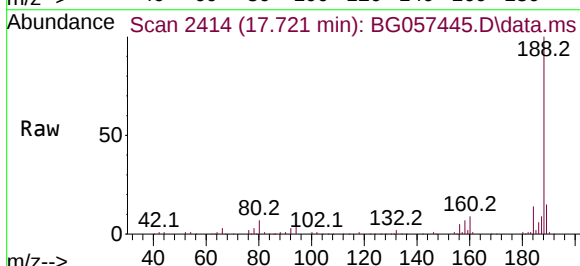
RT: 17.721 min Scan# 2414

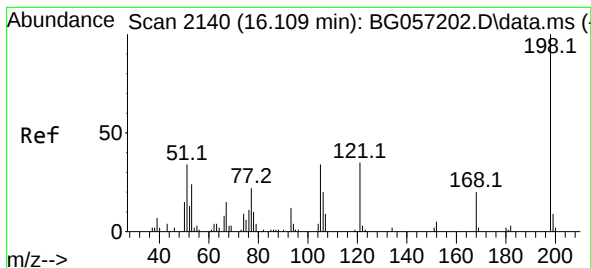
Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

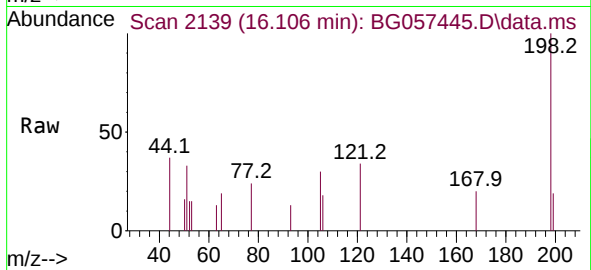
Tgt Ion:188	Resp: 134910
Ion Ratio	Lower Upper
188 100	
94 5.2	5.1 7.7
80 6.9	5.7 8.5





#65
4,6-Dinitro-2-methylphenol
Concen: 2.812 ng
RT: 16.106 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

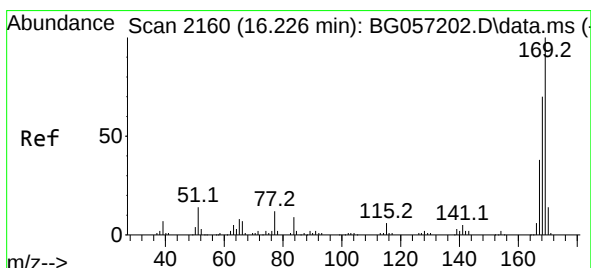
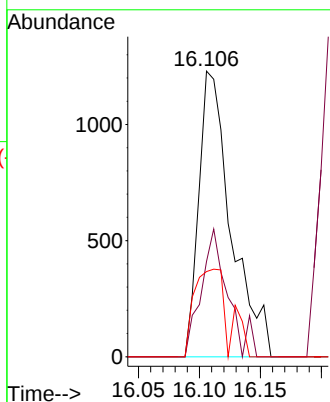
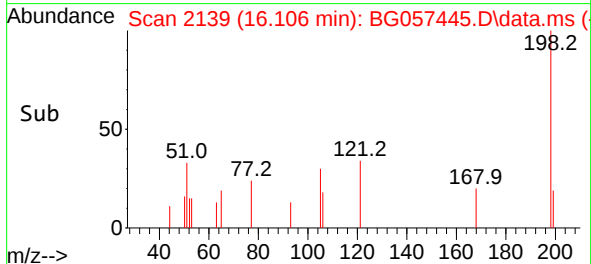
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



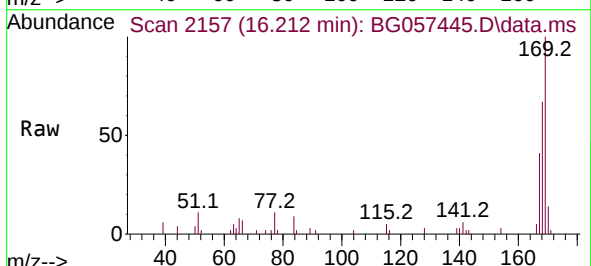
Tgt Ion:198 Resp: 226
Ion Ratio Lower Upper
198 100
51 33.3 16.1 56.1
105 29.8 14.0 54.0

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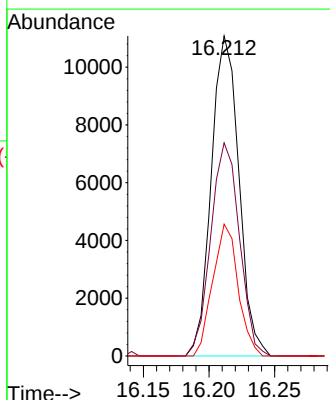
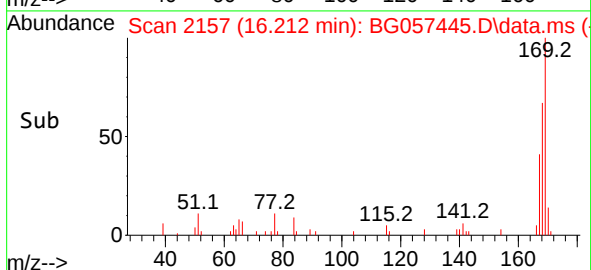
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

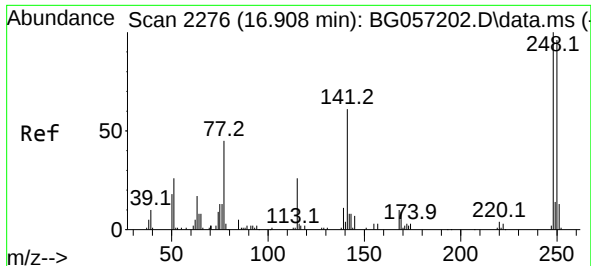


#66
n-Nitrosodiphenylamine
Concen: 4.415 ng
RT: 16.212 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



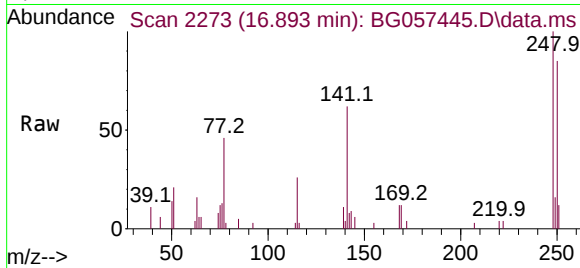
Tgt Ion:169 Resp: 16176
Ion Ratio Lower Upper
169 100
168 66.6 56.2 84.4
167 41.2 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 4.588 ng
RT: 16.893 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

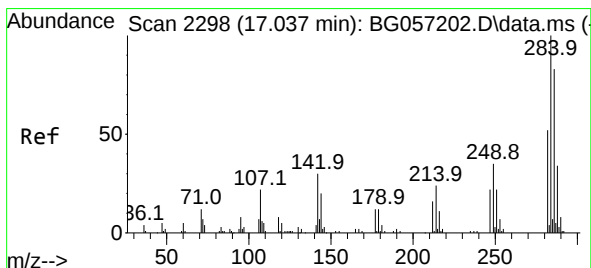
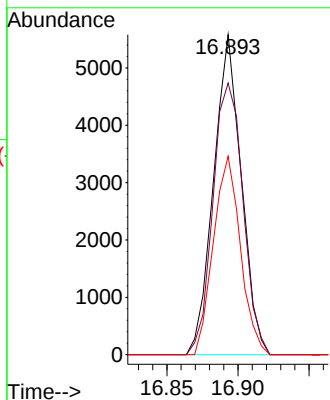
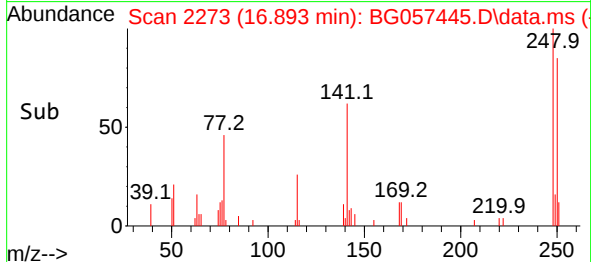
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



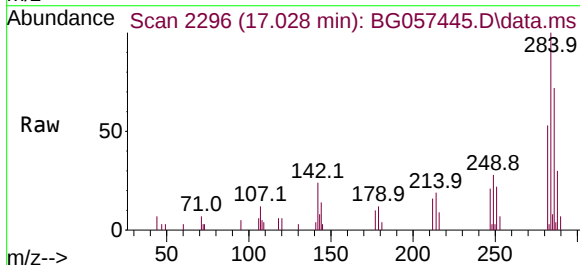
Tgt Ion:248 Resp: 7550
Ion Ratio Lower Upper
248 100
250 84.9 77.0 115.6
141 62.0 48.6 72.8

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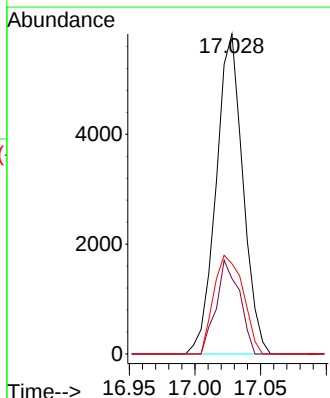
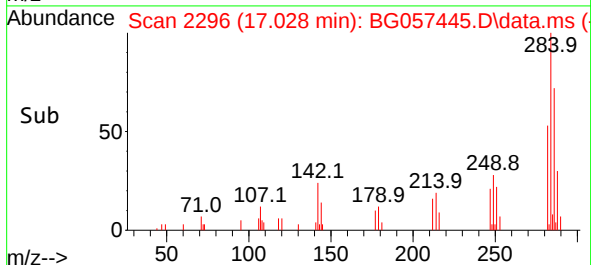
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

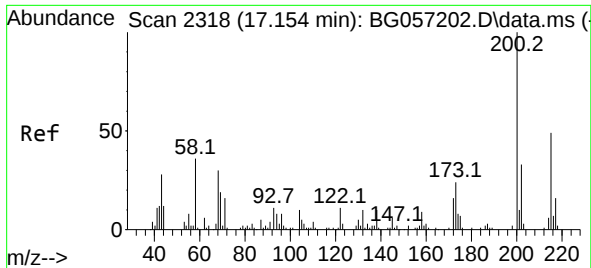


#68
Hexachlorobenzene
Concen: 5.162 ng
RT: 17.028 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16



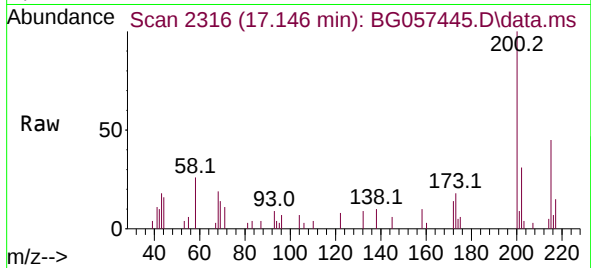
Tgt Ion:284 Resp: 8261
Ion Ratio Lower Upper
284 100
142 23.6 23.9 35.9#
249 28.2 27.7 41.5





#69
 Atrazine
 Concen: 5.180 ng
 RT: 17.146 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

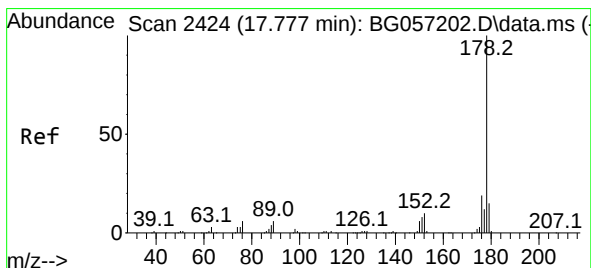
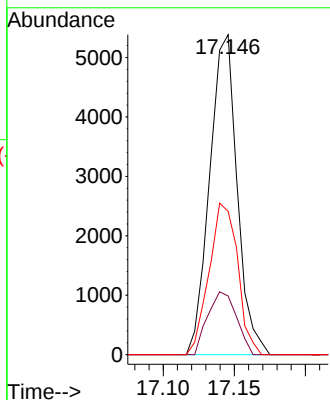
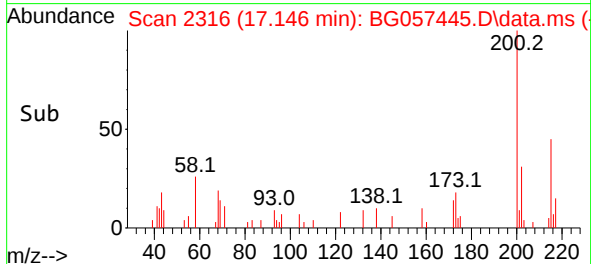
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion:200 Resp: 7240
 Ion Ratio Lower Upper
 200 100
 173 18.3 4.3 44.3
 215 44.8 29.3 69.3

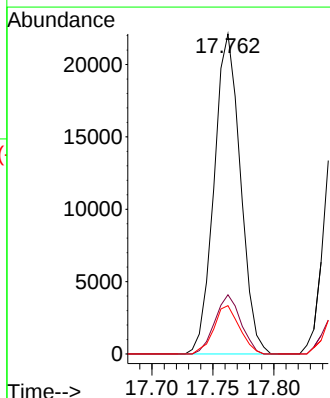
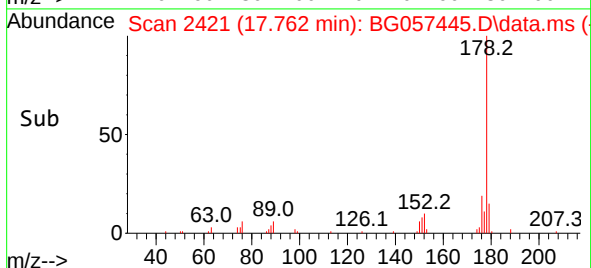
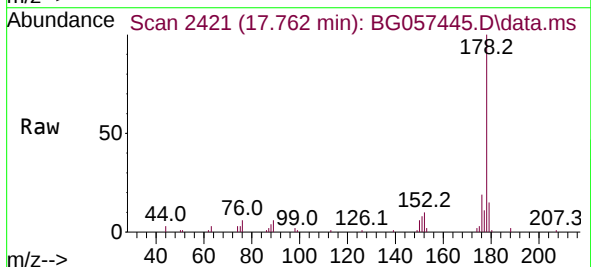
Manual Integrations
 APPROVED

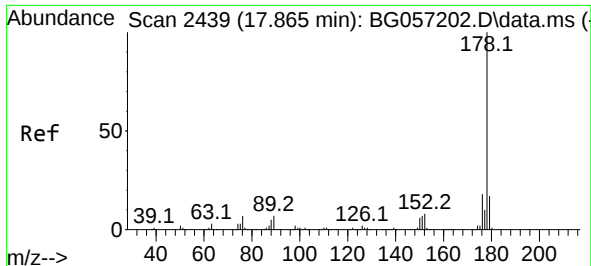
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#71
 Phenanthrene
 Concen: 4.805 ng
 RT: 17.762 min Scan# 2421
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

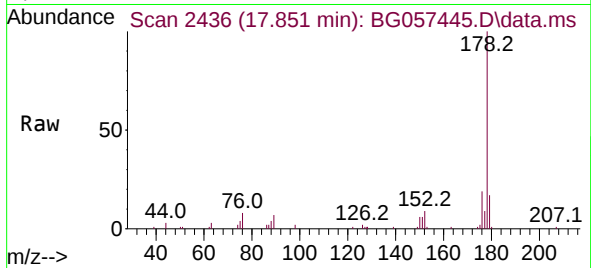
Tgt Ion:178 Resp: 33218
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.1 12.3 18.5





#72
 Anthracene
 Concen: 4.540 ng
 RT: 17.851 min Scan# 2436
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

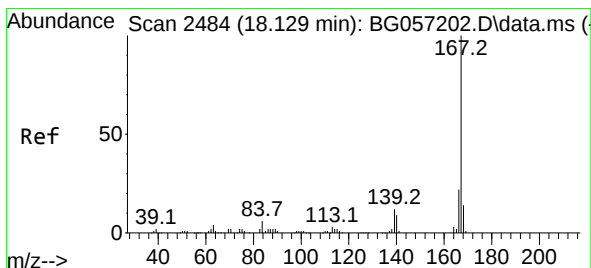
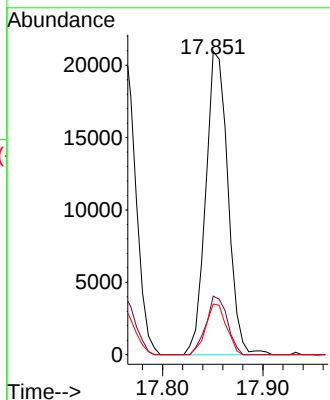
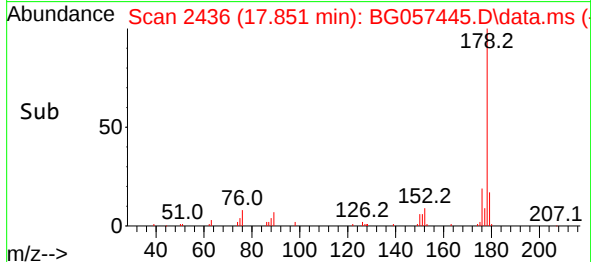
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



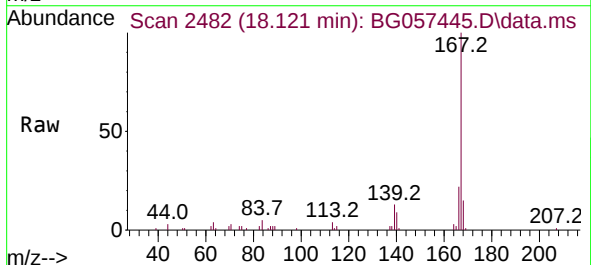
Tgt Ion:178 Resp: 3220
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.7 22.1
 179 16.7 13.2 19.8

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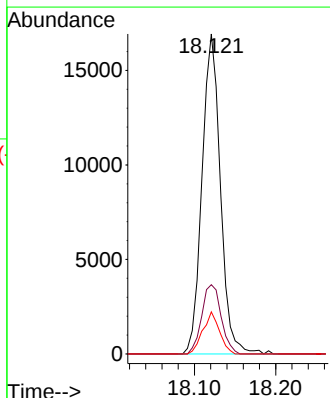
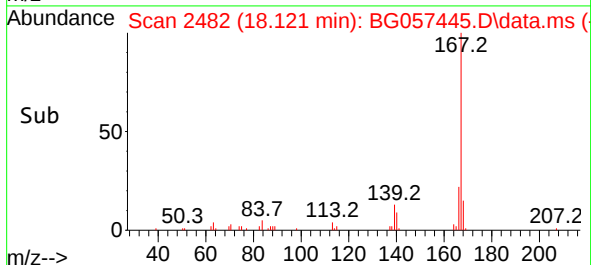
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

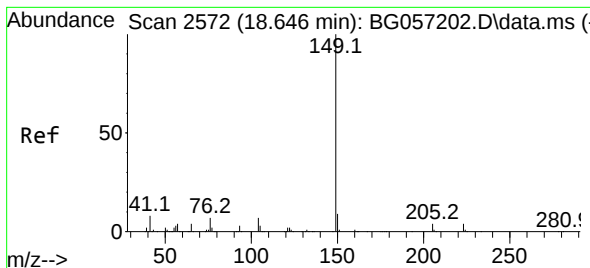


#73
 Carbazole
 Concen: 4.451 ng
 RT: 18.121 min Scan# 2482
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16



Tgt Ion:167 Resp: 26577
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.0
 139 13.2 9.6 14.4





#74

Di-n-butylphthalate

Concen: 4.229 ng

RT: 18.638 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

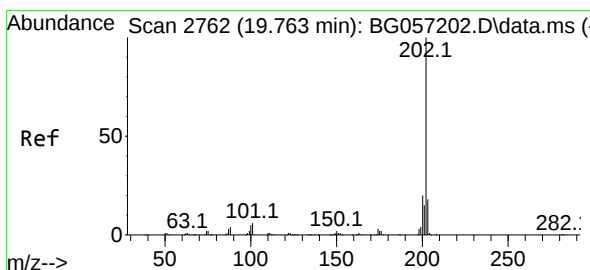
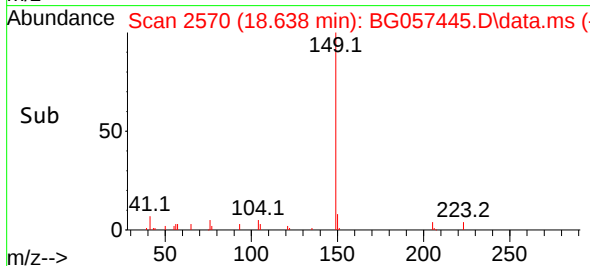
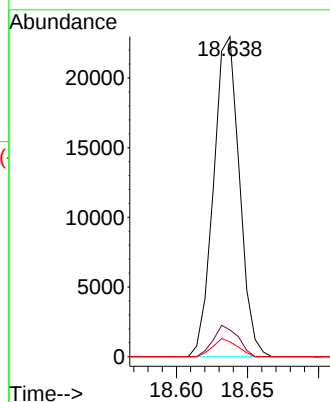
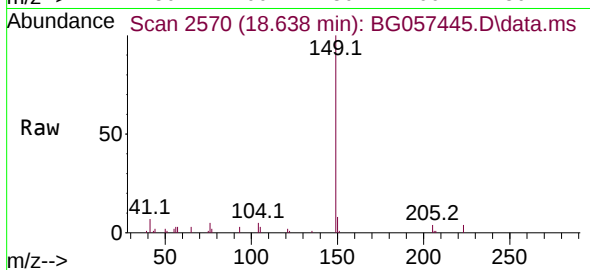
Tgt Ion:	149	Resp:	29054
Ion Ratio	Lower	Upper	
149	100		
150	8.3	7.3	10.9
104	4.6	5.4	8.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#75

Fluoranthene

Concen: 4.374 ng

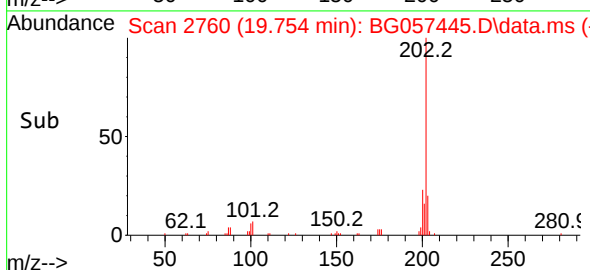
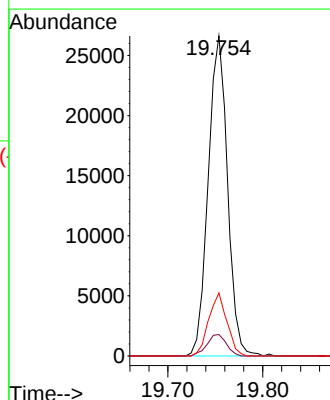
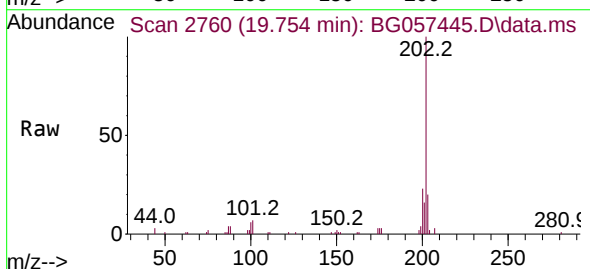
RT: 19.754 min Scan# 2760

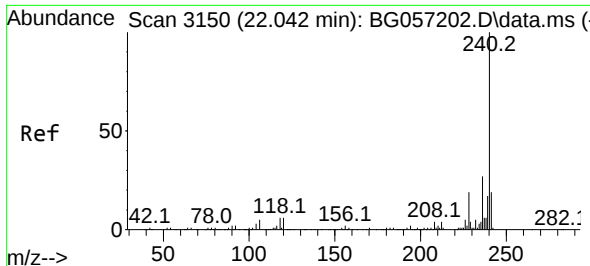
Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

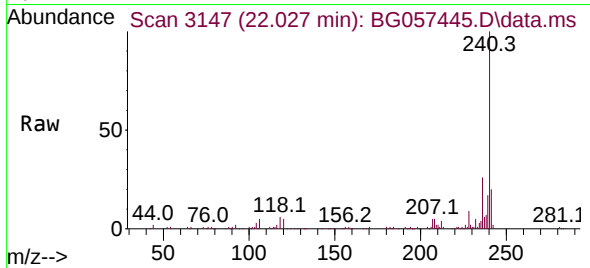
Tgt Ion:	202	Resp:	37608
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	26.2
203	19.7	0.0	37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

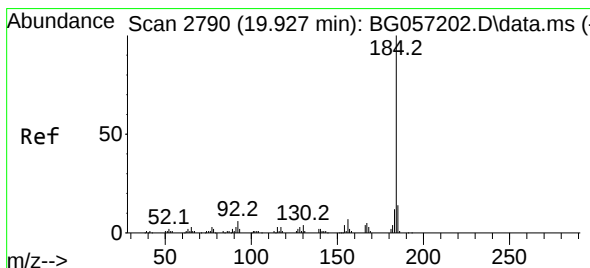
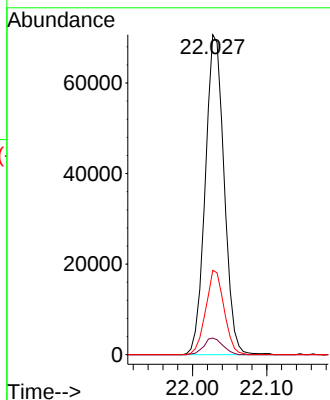
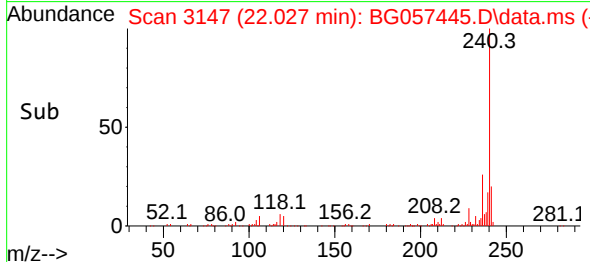
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:240 Resp: 124672
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 26.3 21.4 32.2

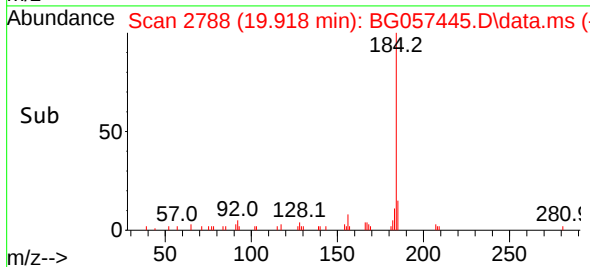
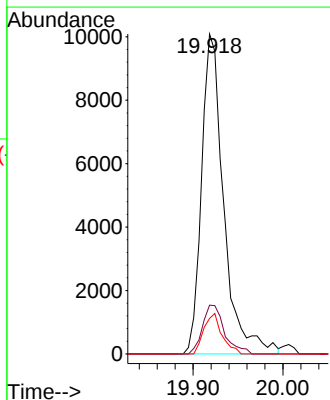
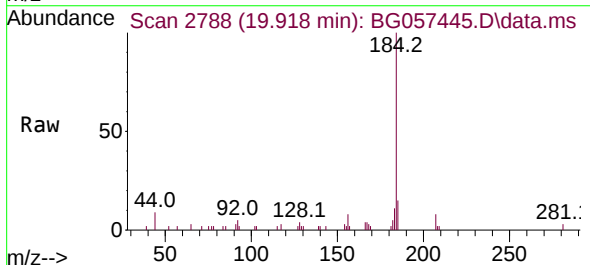
Manual Integrations
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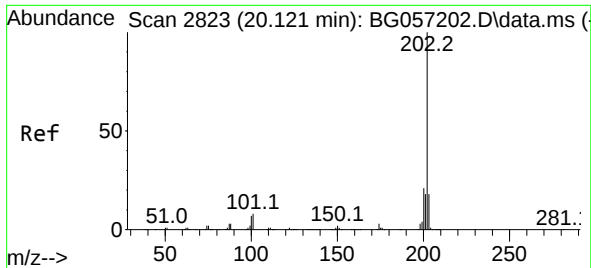
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#77
Benzidine
Concen: 6.204 ng
RT: 19.918 min Scan# 2788
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

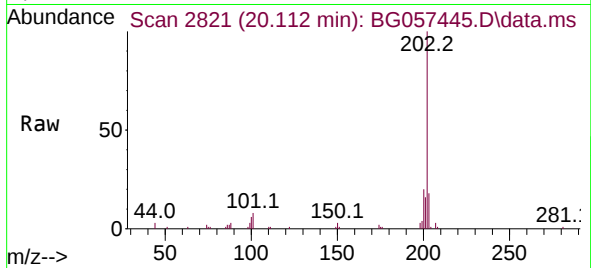
Tgt Ion:184 Resp: 17291
Ion Ratio Lower Upper
184 100
185 15.2 11.1 16.7
183 11.1 9.9 14.9





#78
 Pyrene
 Concen: 4.417 ng
 RT: 20.112 min Scan# 2821
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

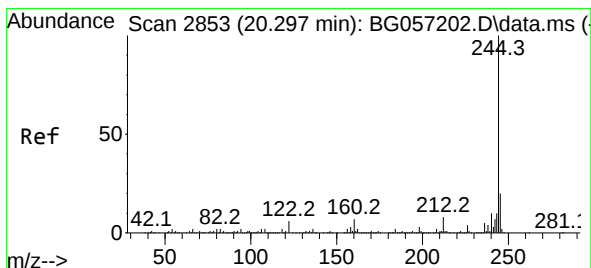
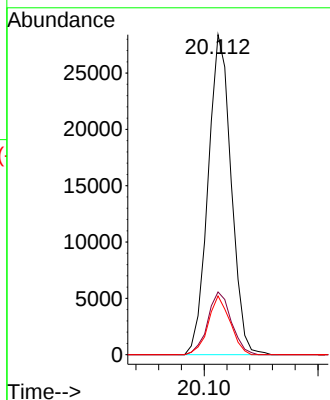
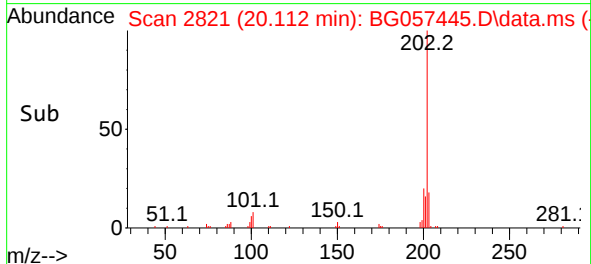
Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT2-2023



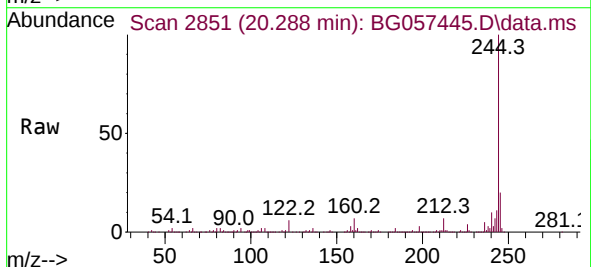
Tgt Ion:202 Resp: 40012
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.0 25.4
 203 18.4 14.2 21.4

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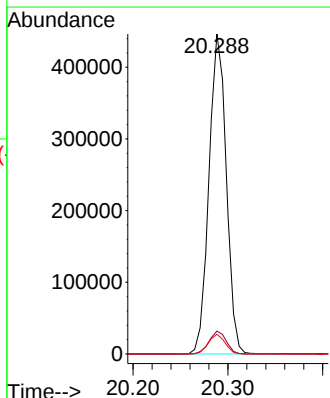
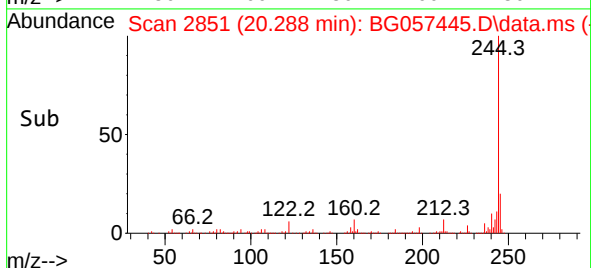
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

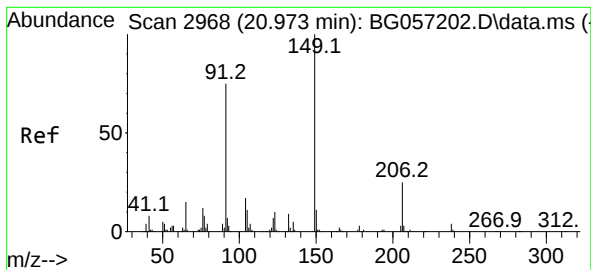


#79
 Terphenyl-d14
 Concen: 73.942 ng
 RT: 20.288 min Scan# 2851
 Delta R.T. -0.000 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16



Tgt Ion:244 Resp: 564885
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.2 5.1 7.7





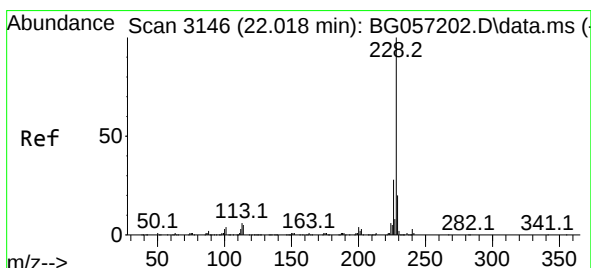
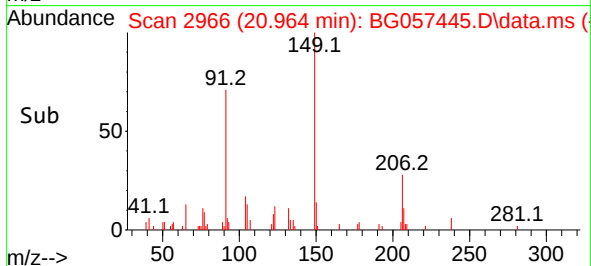
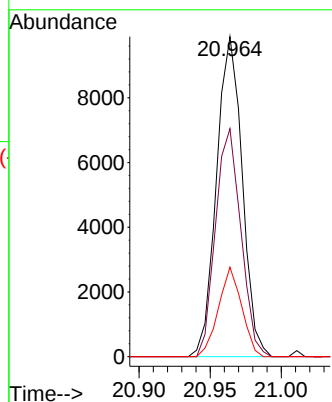
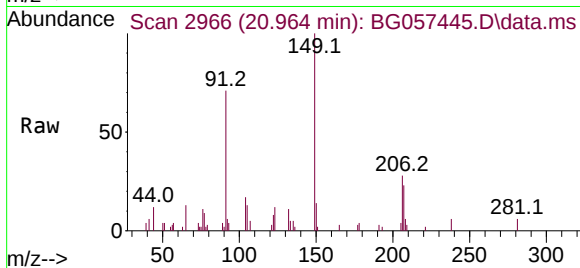
#80
Butylbenzylphthalate
Concen: 4.329 ng
RT: 20.964 min Scan# 2966
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

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

Tgt Ion:	149	Resp:	1244
Ion Ratio	Lower	Upper	
149	100		
91	71.2	59.7	89.5
206	28.0	19.7	29.5

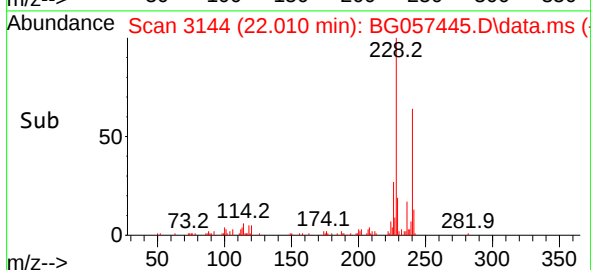
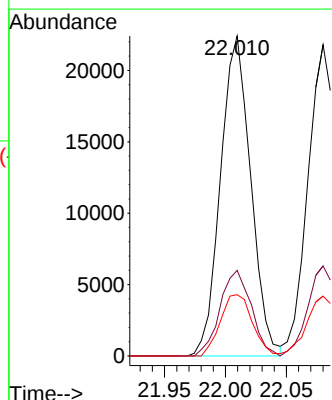
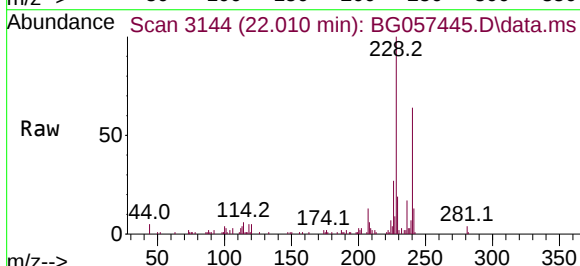
Manual Integrations
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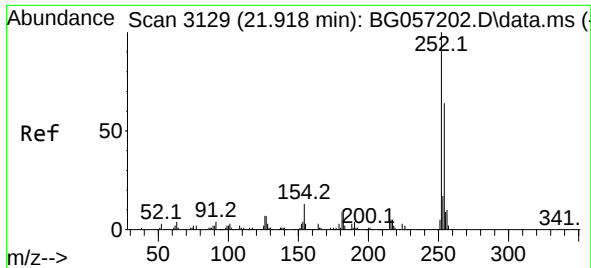
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#81
Benzo(a)anthracene
Concen: 4.354 ng
RT: 22.010 min Scan# 3144
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

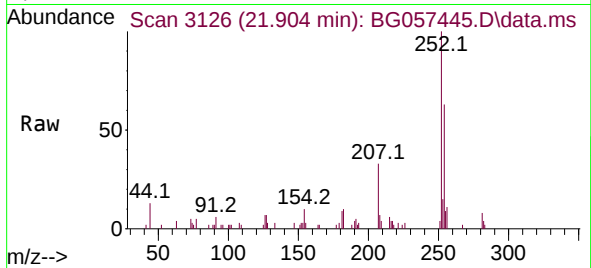
Tgt Ion:	228	Resp:	38670
Ion Ratio	Lower	Upper	
228	100		
226	26.8	22.0	33.0
229	19.1	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 5.433 ng
RT: 21.904 min Scan# 3126
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

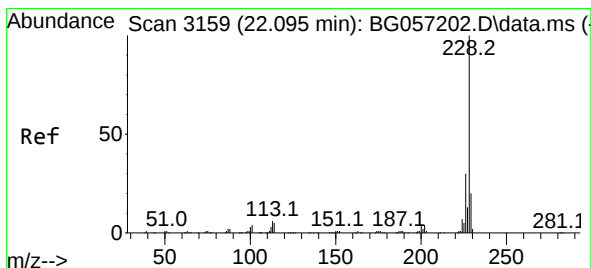
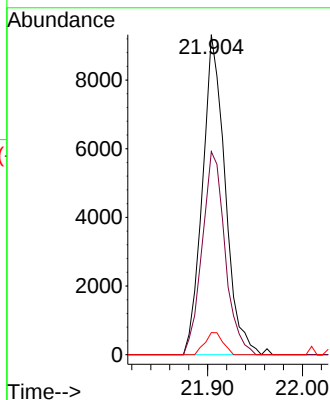
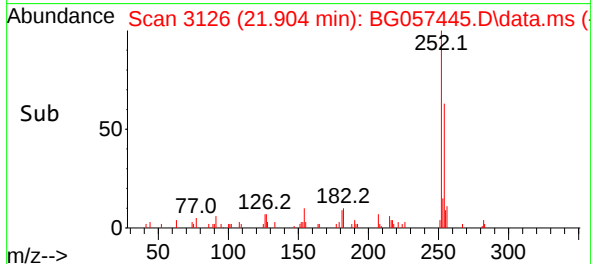
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:252 Resp: 1545
Ion Ratio Lower Upper
252 100
254 63.4 51.4 77.0
126 6.9 5.9 8.9

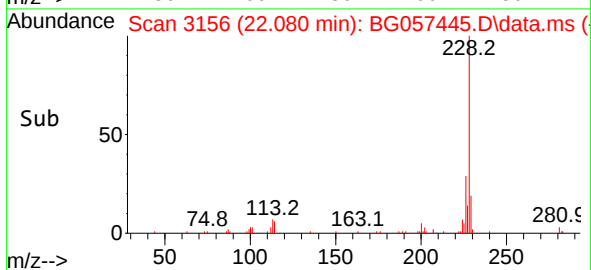
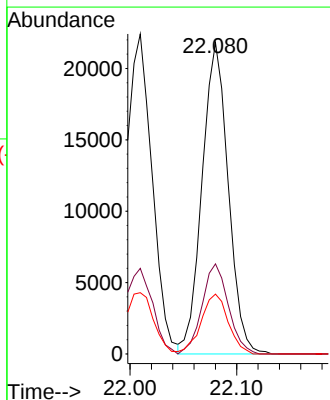
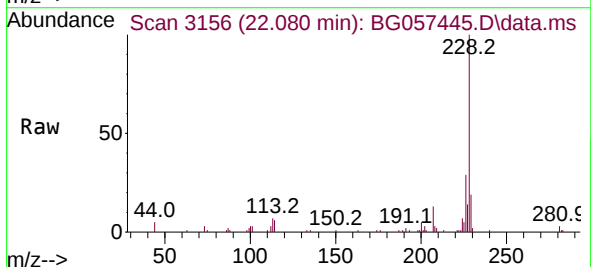
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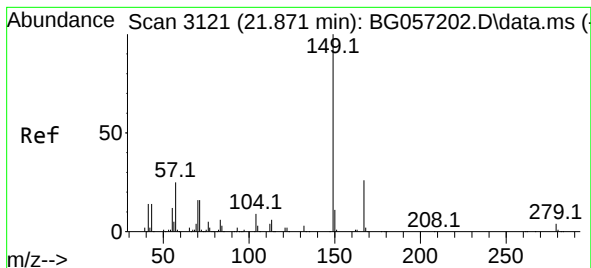
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#83
Chrysene
Concen: 4.455 ng
RT: 22.080 min Scan# 3156
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

Tgt Ion:228 Resp: 37234
Ion Ratio Lower Upper
228 100
226 28.9 24.3 36.5
229 19.2 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.295 ng

RT: 21.851 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

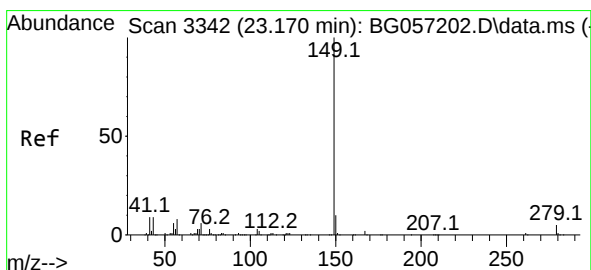
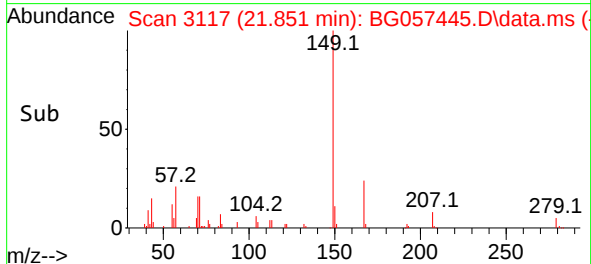
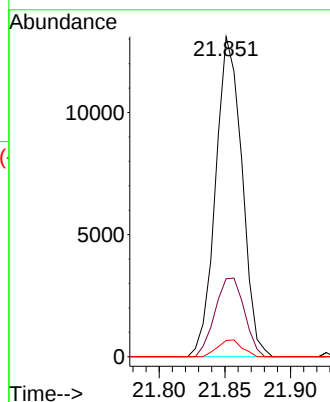
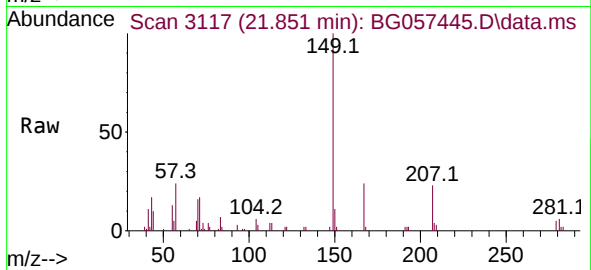
Tgt Ion:	149	Resp:	1826
Ion Ratio	Lower	Upper	
149	100		
167	24.3	21.2	31.8
279	5.1	3.5	5.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#85

Di-n-octyl phthalate

Concen: 4.346 ng

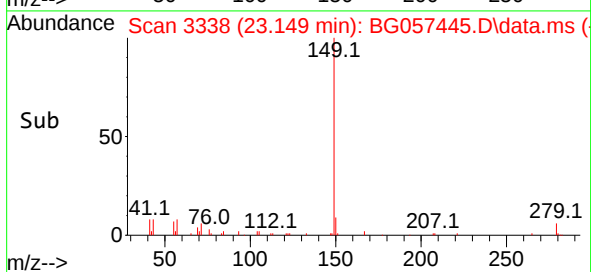
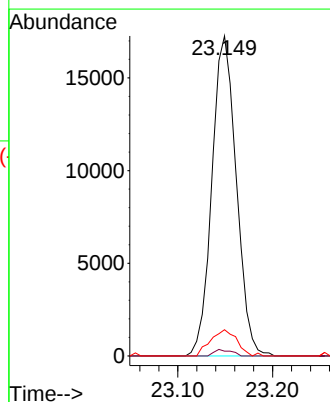
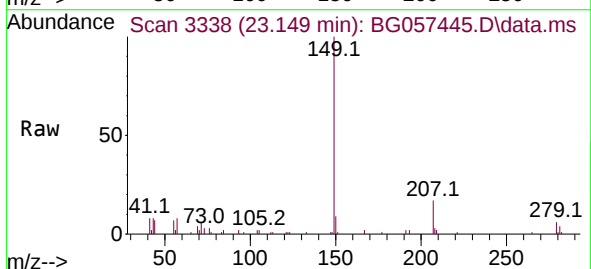
RT: 23.149 min Scan# 3338

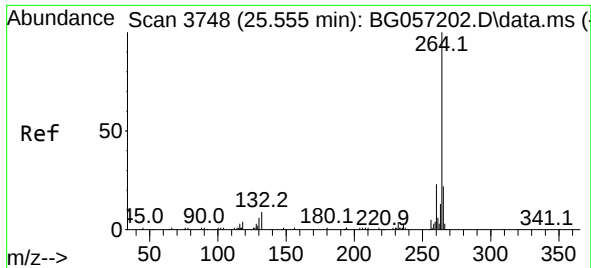
Delta R.T. -0.000 min

Lab File: BG057445.D

Acq: 17 May 2023 13:16

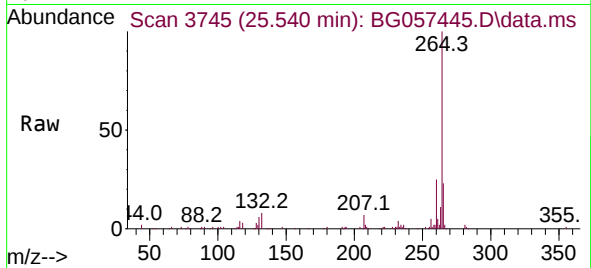
Tgt Ion:	149	Resp:	30817
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.3	1.9
43	8.9	7.8	11.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.540 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

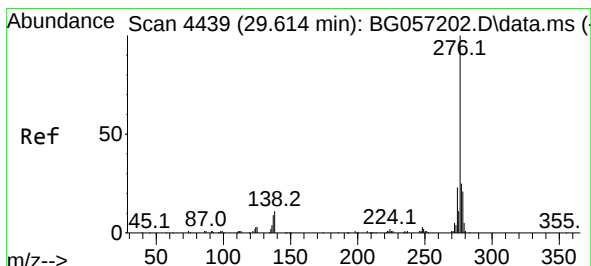
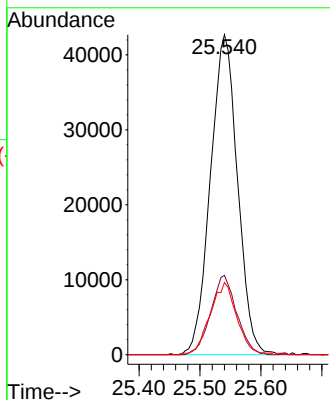
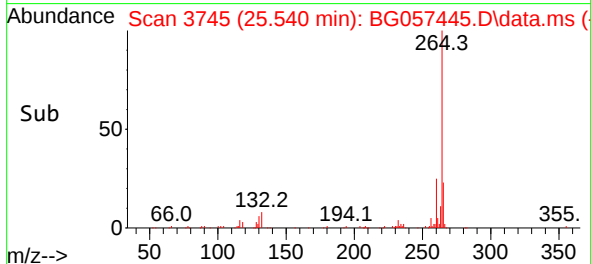
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion:264 Resp: 13188
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.8 28.2
 265 22.6 17.9 26.9

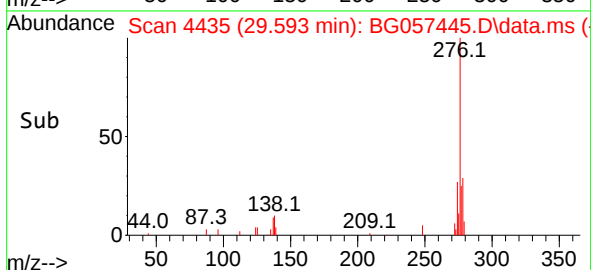
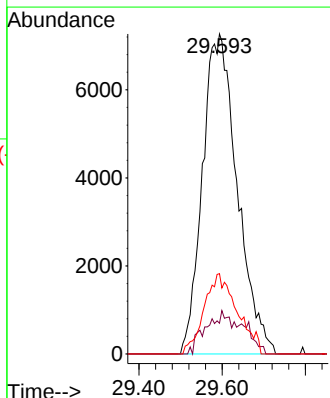
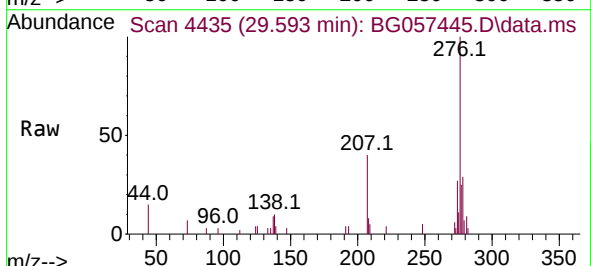
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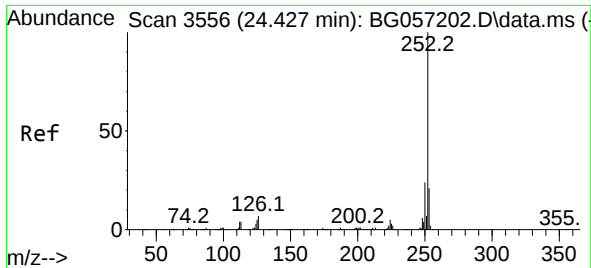
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.388 ng
 RT: 29.593 min Scan# 4435
 Delta R.T. -0.006 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

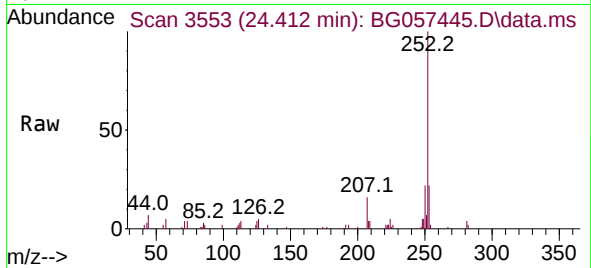
Tgt Ion:276 Resp: 42172
 Ion Ratio Lower Upper
 276 100
 138 4.5 5.4 8.0#
 277 23.9 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 4.516 ng
RT: 24.412 min Scan# 3553
Delta R.T. -0.000 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

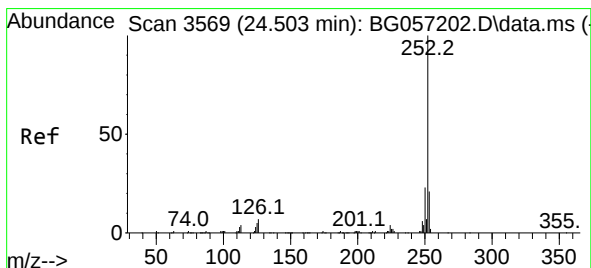
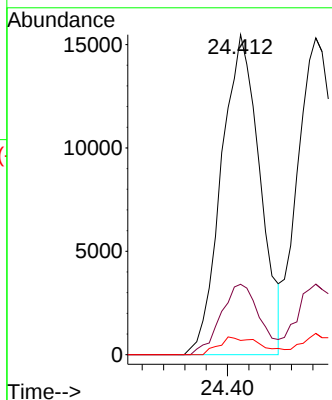
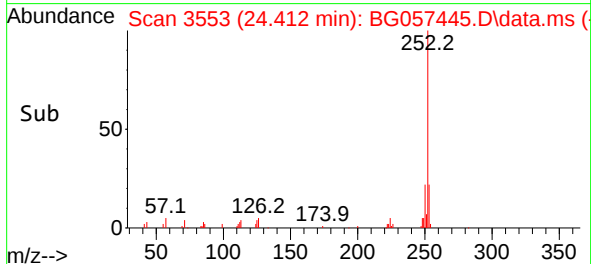
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:252 Resp: 38929
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 4.5 4.2 6.2

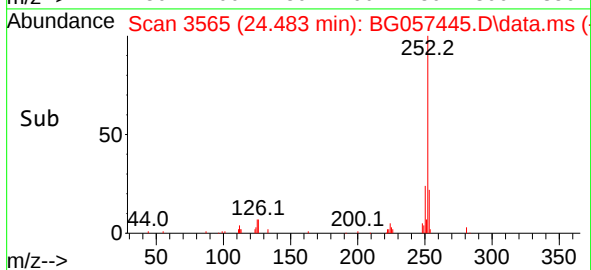
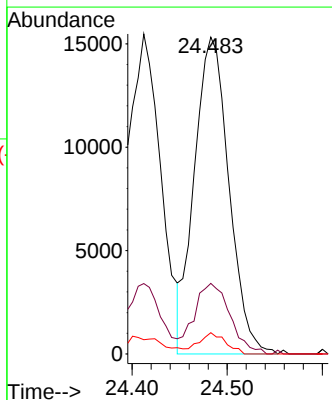
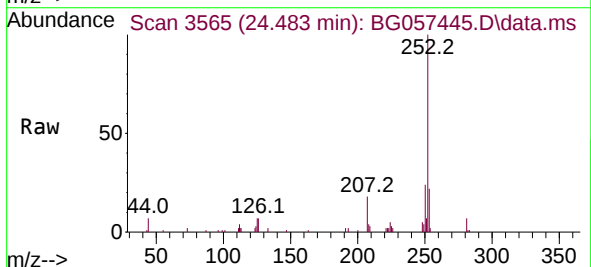
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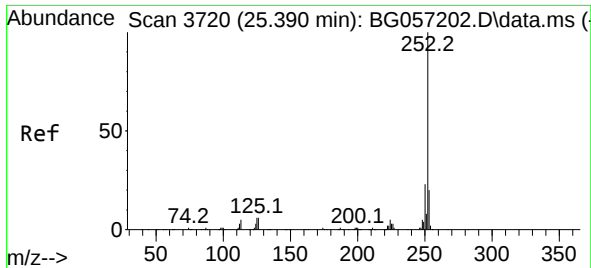
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#89
Benzo(k)fluoranthene
Concen: 4.417 ng m
RT: 24.483 min Scan# 3565
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

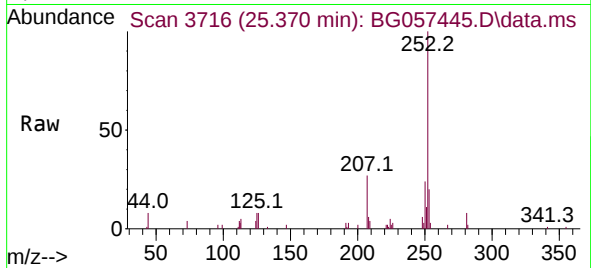
Tgt Ion:252 Resp: 38692
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 6.7 4.1 6.1#





#90
Benzo(a)pyrene
Concen: 4.010 ng
RT: 25.370 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

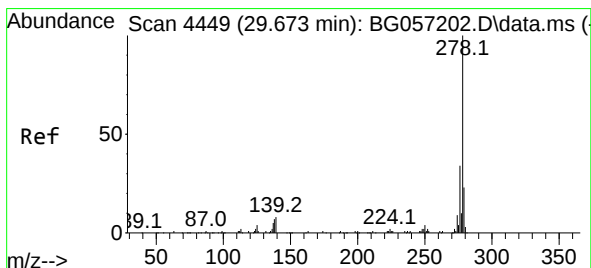
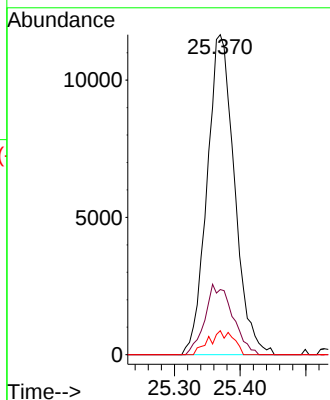
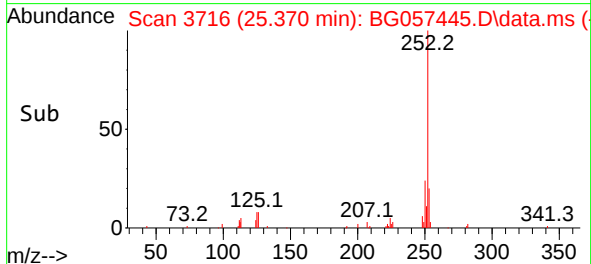
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:252 Resp: 3377
Ion Ratio Lower Upper
252 100
253 20.4 16.3 24.5
125 7.5 5.0 7.4

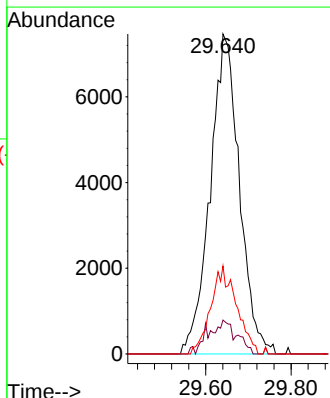
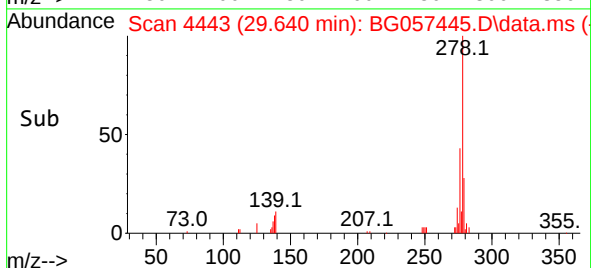
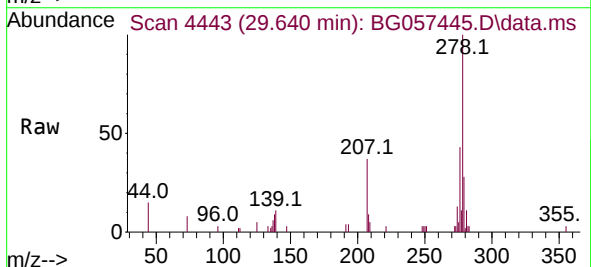
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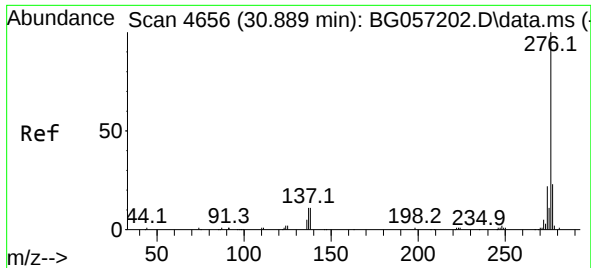
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.640 min Scan# 4443
Delta R.T. -0.012 min
Lab File: BG057445.D
Acq: 17 May 2023 13:16

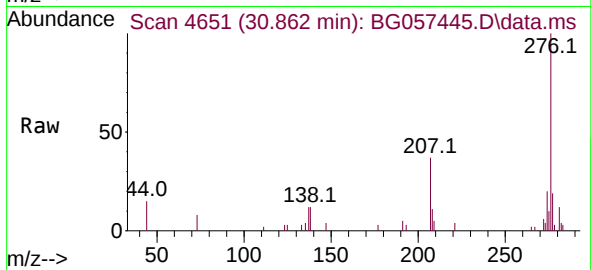
Tgt Ion:278 Resp: 35573
Ion Ratio Lower Upper
278 100
139 10.6 6.2 9.2#
279 27.5 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.445 ng
 RT: 30.862 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BG057445.D
 Acq: 17 May 2023 13:16

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



Tgt Ion:276 Resp: 34738
 Ion Ratio Lower Upper
 276 100
 277 19.3 18.4 27.6
 138 11.8 9.0 13.4

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

