

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057451.D
 Acq On : 17 May 2023 19:30
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL-8ppm
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 18 01:59:51 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	14681	20.000	ng	# 0.00
21) Naphthalene-d8	11.194	136	62477	20.000	ng	0.00
39) Acenaphthene-d10	14.972	164	50138	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	125916	20.000	ng	0.00
76) Chrysene-d12	22.021	240	119355	20.000	ng	-0.01
86) Perylene-d12	25.528	264	128513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	94254	109.823	ng	0.00
7) Phenol-d6	7.499	99	142638	109.447	ng	0.00
23) Nitrobenzene-d5	9.538	82	104089	69.925	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	82326	115.723	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	281676	75.663	ng	0.00
79) Terphenyl-d14	20.282	244	530277	72.504	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.675	88	2853	8.040	ng	92
3) Pyridine	4.110	79	7315m	6.414	ng	
4) n-Nitrosodimethylamine	4.016	42	3472	6.479	ng	# 95
6) Aniline	7.676	93	12125	7.334	ng	# 94
8) 2-Chlorophenol	7.917	128	7160	7.895	ng	86
9) Benzaldehyde	7.482	77	7836	5.278	ng	88
10) Phenol	7.529	94	9885	7.781	ng	94
11) bis(2-Chloroethyl)ether	7.758	93	7090	7.401	ng	97
12) 1,3-Dichlorobenzene	8.251	146	8101	8.094	ng	89
13) 1,4-Dichlorobenzene	8.398	146	8050	8.007	ng	94
14) 1,2-Dichlorobenzene	8.721	146	8172	8.420	ng	99
15) Benzyl Alcohol	8.598	79	7495	6.903	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.874	45	9058	7.502	ng	95
17) 2-Methylphenol	8.798	107	6678	7.292	ng	96
18) Hexachloroethane	9.461	117	2944	8.114	ng	98
19) n-Nitroso-di-n-propyla...	9.156	70	7207	7.252	ng	# 93
20) 3+4-Methylphenols	9.133	107	9259	7.384	ng	94
22) Acetophenone	9.185	105	13061	7.304	ng	# 95
24) Nitrobenzene	9.579	77	10950	7.288	ng	99
25) Isophorone	10.096	82	19298	6.686	ng	# 98
26) 2-Nitrophenol	10.302	139	4486	7.800	ng	98
27) 2,4-Dimethylphenol	10.343	122	7378	7.327	ng	98
28) bis(2-Chloroethoxy)met...	10.572	93	10129	7.004	ng	# 90
29) 2,4-Dichlorophenol	10.854	162	8056	7.543	ng	88
30) 1,2,4-Trichlorobenzene	11.053	180	9730	7.898	ng	97
31) Naphthalene	11.247	128	25268	7.565	ng	98
32) Benzoic acid	10.519	122	409	5.352	ng	# 83
33) 4-Chloroaniline	11.353	127	10673	7.115	ng	99
34) Hexachlorobutadiene	11.518	225	6841	7.484	ng	93
35) Caprolactam	12.099	113	2961	8.116	ng	# 80
36) 4-Chloro-3-methylphenol	12.452	107	9062	7.466	ng	95
37) 2-Methylnaphthalene	12.828	142	19329	7.360	ng	95
38) 1-Methylnaphthalene	13.045	142	18426	7.444	ng	95
40) 1,2,4,5-Tetrachloroben...	13.192	216	14893	8.367	ng	97
41) Hexachlorocyclopentadiene	13.162	237	1769	8.200	ng	95
43) 2,4,6-Trichlorophenol	13.427	196	7611	7.019	ng	97

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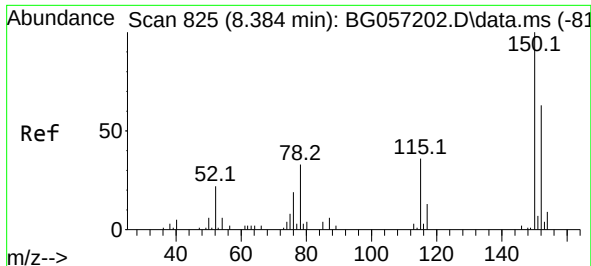
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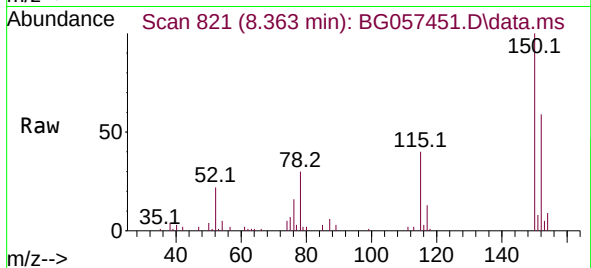
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.503	196	8964	7.027	ng	93
46) 1,1'-Biphenyl	13.814	154	28226	7.587	ng	98
47) 2-Chloronaphthalene	13.867	162	21626	7.817	ng #	93
48) 2-Nitroaniline	14.061	65	6184	6.574	ng	98
49) Acenaphthylene	14.701	152	34103	7.587	ng	99
50) Dimethylphthalate	14.408	163	30144	7.316	ng	97
51) 2,6-Dinitrotoluene	14.537	165	6140	7.299	ng	88
52) Acenaphthene	15.042	154	21143	7.528	ng	98
53) 3-Nitroaniline	14.872	138	5646	6.699	ng #	83
54) 2,4-Dinitrophenol	15.107	184	1009	6.734	ng #	84
55) Dibenzofuran	15.371	168	36199	7.671	ng	98
56) 4-Nitrophenol	15.195	139	3394	6.055	ng	88
57) 2,4-Dinitrotoluene	15.330	165	8940	7.436	ng #	93
58) Fluorene	16.011	166	30627	7.879	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.600	232	8448	7.305	ng #	96
60) Diethylphthalate	15.753	149	30312	7.244	ng	98
61) 4-Chlorophenyl-phenyle...	15.994	204	17391	7.427	ng	96
62) 4-Nitroaniline	16.029	138	6045	7.110	ng #	84
63) Azobenzene	16.288	77	27459	6.802	ng	99
65) 4,6-Dinitro-2-methylph...	16.100	198	4498	5.983	ng	93
66) n-Nitrosodiphenylamine	16.205	169	25848	7.558	ng	99
67) 4-Bromophenyl-phenylether	16.887	248	11840	7.703	ng	93
68) Hexachlorobenzene	17.022	284	12665	8.479	ng	95
69) Atrazine	17.133	200	11367	8.713	ng	97
70) Pentachlorophenol	17.380	266	2788	3.239	ng	86
71) Phenanthrene	17.756	178	50563	7.837	ng	99
72) Anthracene	17.844	178	51125	7.722	ng	96
73) Carbazole	18.114	167	43638	7.829	ng	99
74) Di-n-butylphthalate	18.631	149	47605	7.424	ng	98
75) Fluoranthene	19.748	202	60262	7.509	ng	98
77) Benzidine	19.912	184	31619	11.850	ng	98
78) Pyrene	20.106	202	63917	7.370	ng	98
80) Butylbenzylphthalate	20.958	149	20204	7.342	ng	95
81) Benzo(a)anthracene	22.003	228	64191	7.549	ng	96
82) 3,3'-Dichlorobenzidine	21.898	252	24853	9.125	ng	96
83) Chrysene	22.074	228	60851	7.605	ng	96
84) Bis(2-ethylhexyl)phtha...	21.845	149	28917	7.102	ng	98
85) Di-n-octyl phthalate	23.137	149	51073	7.524	ng	96
87) Indeno(1,2,3-cd)pyrene	29.570	276	68627	7.327	ng #	95
88) Benzo(b)fluoranthene	24.400	252	63155	7.518	ng	98
89) Benzo(k)fluoranthene	24.471	252	63912	7.487	ng	98
90) Benzo(a)pyrene	25.358	252	55212	6.727	ng	97
91) Dibenzo(a,h)anthracene	29.617	278	57096	7.320	ng	98
92) Benzo(g,h,i)perylene	30.838	276	56607	7.432	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.363 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

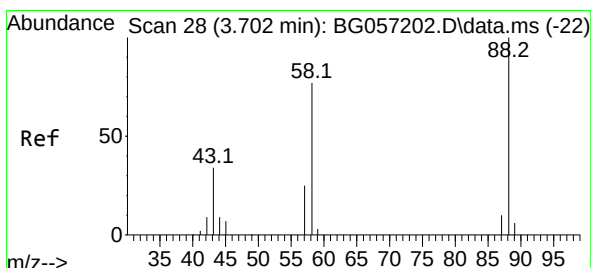
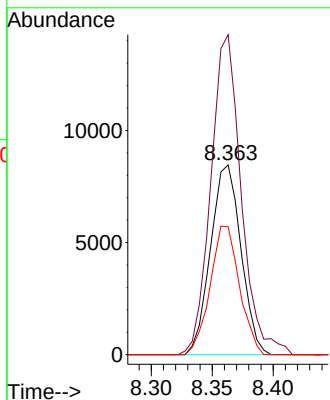
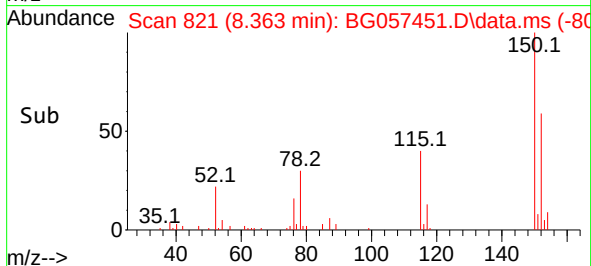
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:152 Resp: 1468
Ion Ratio Lower Upper
152 100
150 168.7 126.2 189.4
115 67.4 45.0 67.4

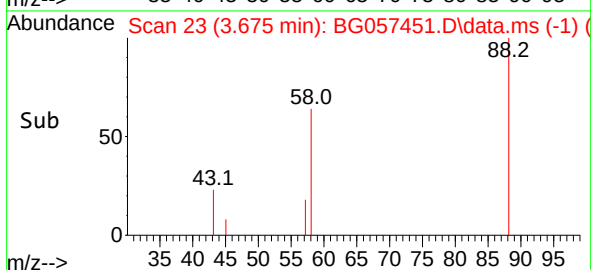
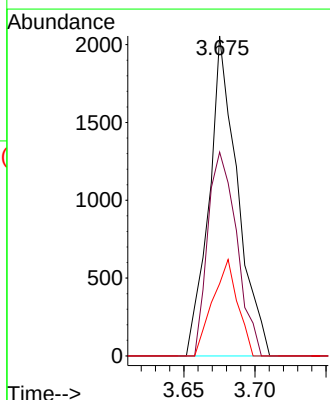
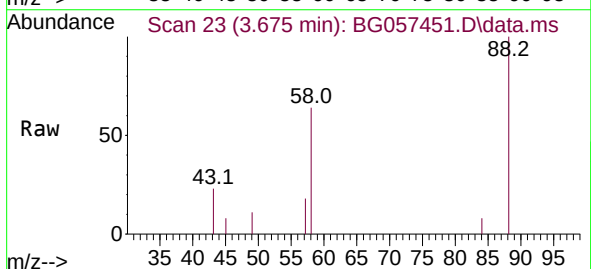
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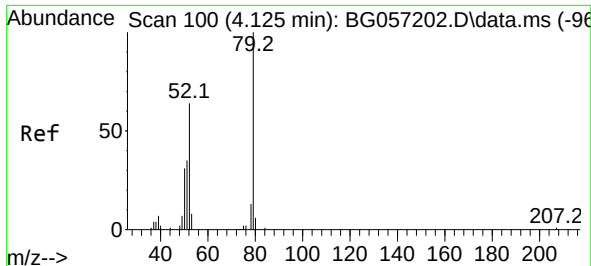
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#2
1,4-Dioxane
Concen: 8.040 ng
RT: 3.675 min Scan# 23
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion: 88 Resp: 2853
Ion Ratio Lower Upper
88 100
58 64.9 57.1 85.7
43 26.5 24.4 36.6





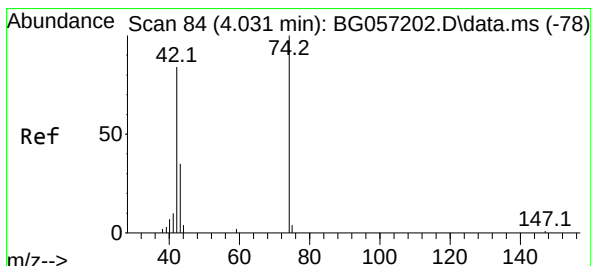
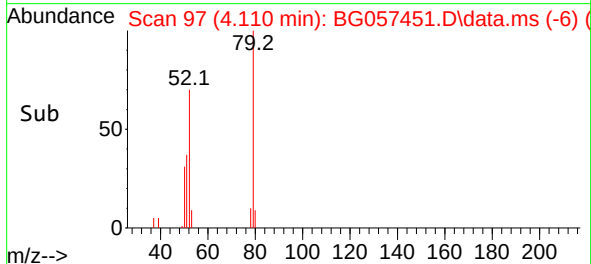
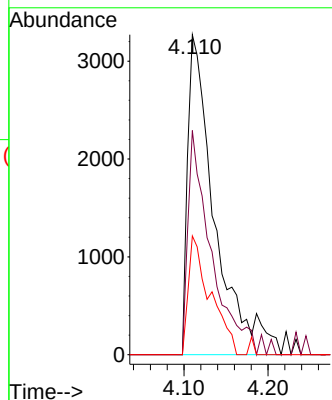
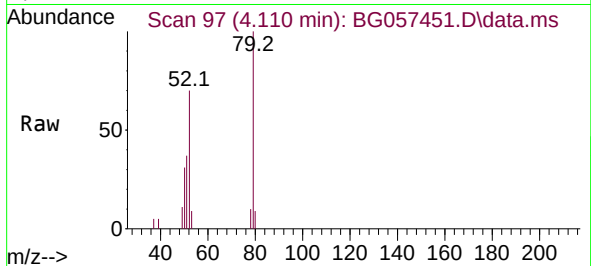
#3
Pyridine
Concen: 6.414 ng m
RT: 4.110 min Scan# 91
Delta R.T. 0.005 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 79 Resp: 7315
Ion Ratio Lower Upper
79 100
52 70.0 51.4 77.0
51 37.1 28.0 42.0

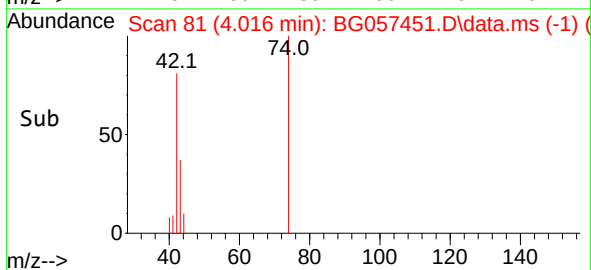
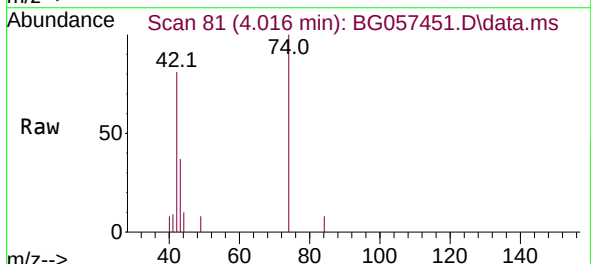
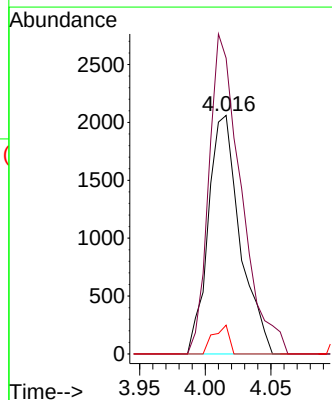
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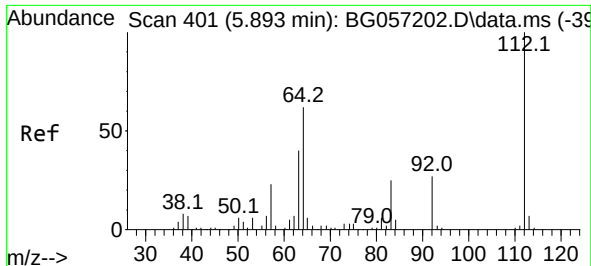
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#4
n-Nitrosodimethylamine
Concen: 6.479 ng
RT: 4.016 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion: 42 Resp: 3472
Ion Ratio Lower Upper
42 100
74 124.0 95.1 142.7
44 12.1 5.8 8.8





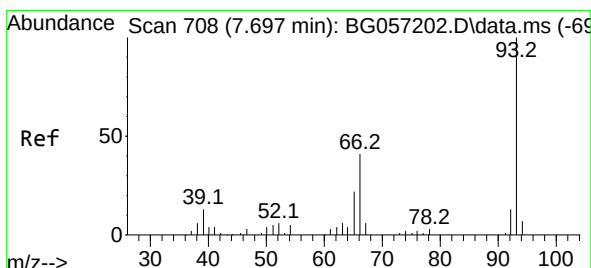
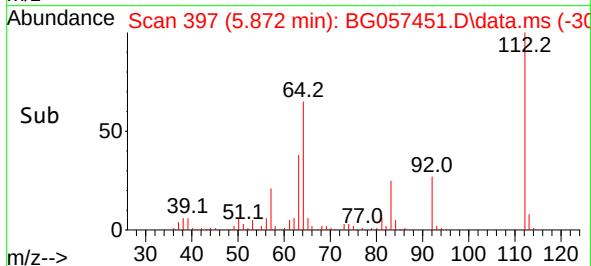
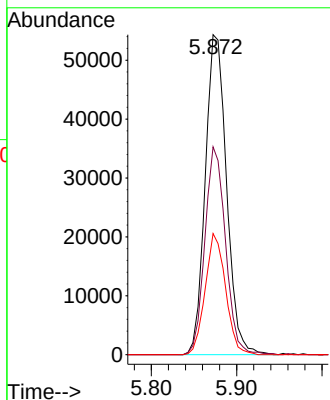
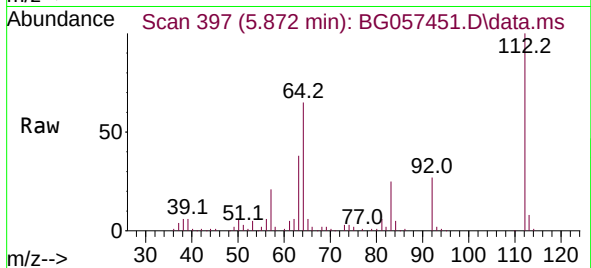
#5
2-Fluorophenol
Concen: 109.823 ng
RT: 5.872 min Scan# 397
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:112 Resp: 94254
Ion Ratio Lower Upper
112 100
64 65.0 49.4 74.2
63 37.9 31.6 47.4

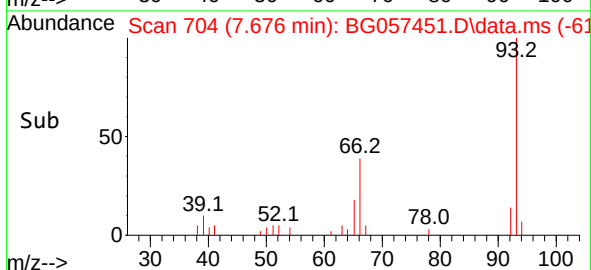
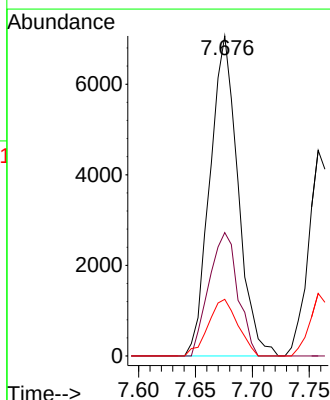
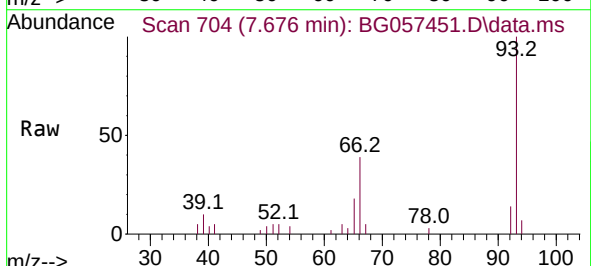
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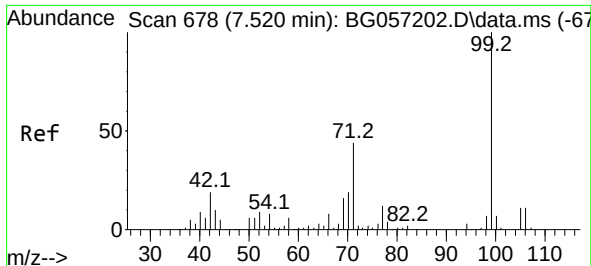
Reviewed By :Christian Giraldo 05/18/2023
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#6
Aniline
Concen: 7.334 ng
RT: 7.676 min Scan# 704
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion: 93 Resp: 12125
Ion Ratio Lower Upper
93 100
66 38.5 33.0 49.6
65 17.7 18.0 27.0#





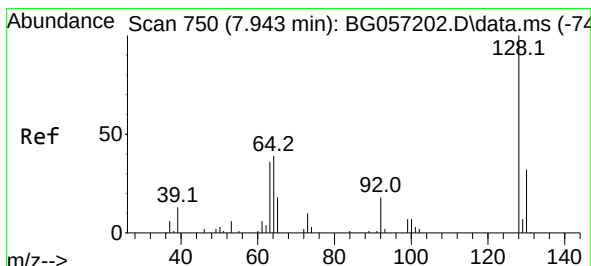
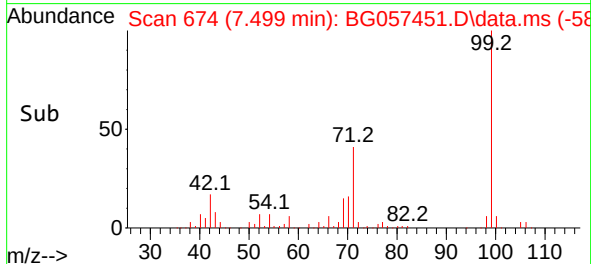
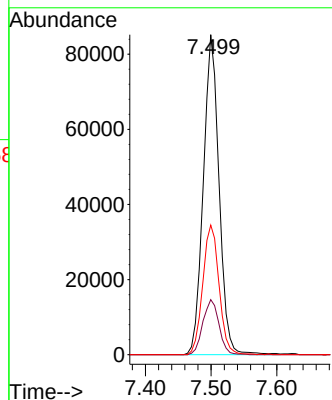
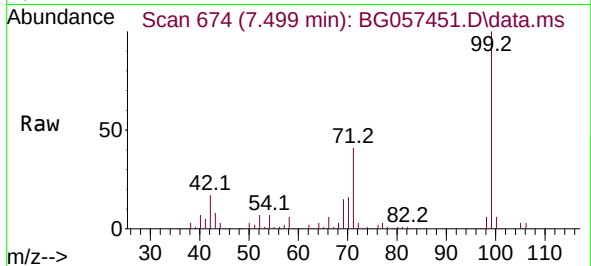
#7
Phenol-d6
Concen: 109.447 ng
RT: 7.499 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

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BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 142638
Ion Ratio Lower Upper
99 100
42 17.2 15.1 22.7
71 40.5 35.2 52.8

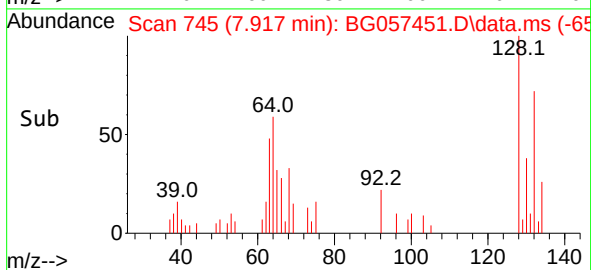
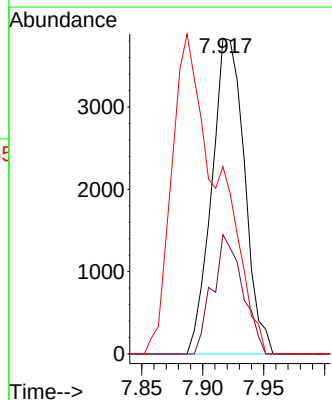
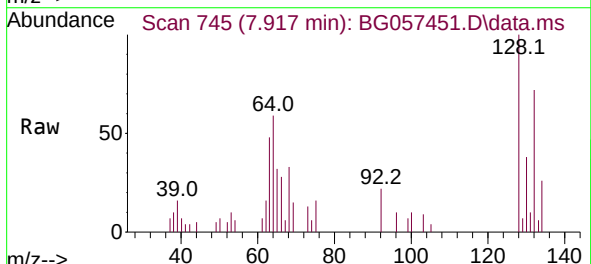
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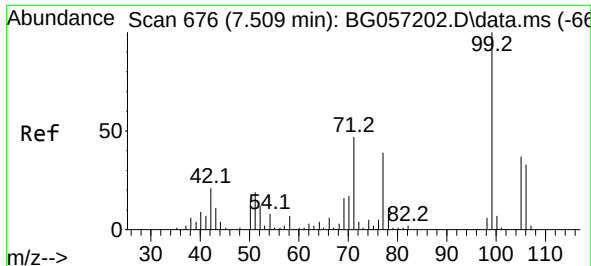
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#8
2-Chlorophenol
Concen: 7.895 ng
RT: 7.917 min Scan# 745
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:128 Resp: 7160
Ion Ratio Lower Upper
128 100
130 37.8 12.2 52.2
64 59.3 28.4 68.4





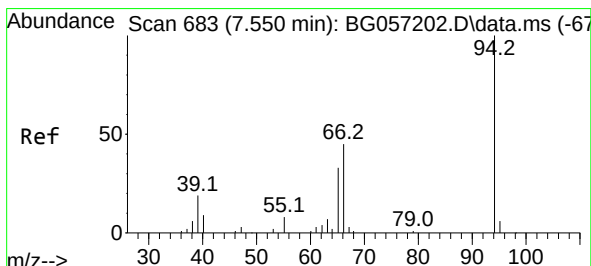
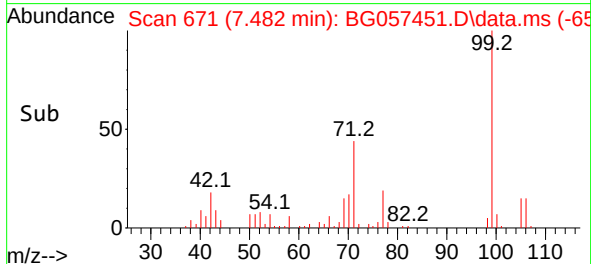
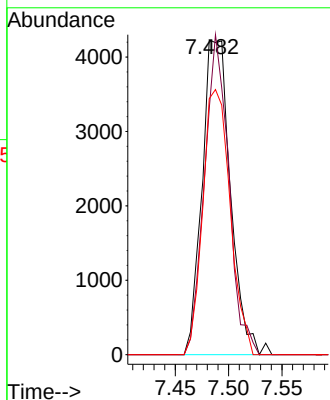
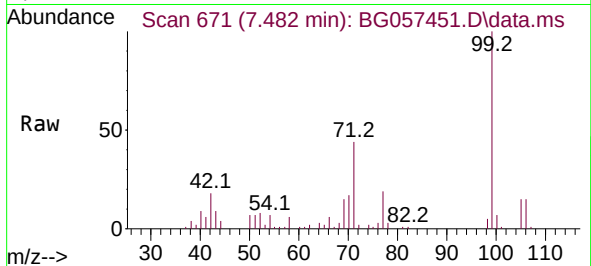
#9
Benzaldehyde
Concen: 5.278 ng
RT: 7.482 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 77 Resp: 7830
Ion Ratio Lower Upper
77 100
105 78.1 74.6 114.6
106 81.3 66.3 106.3

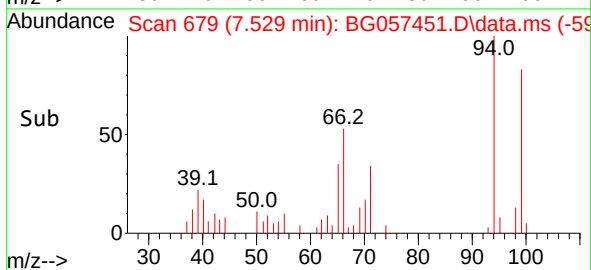
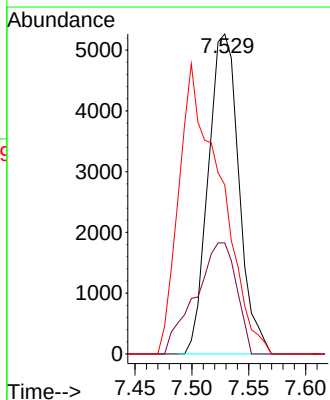
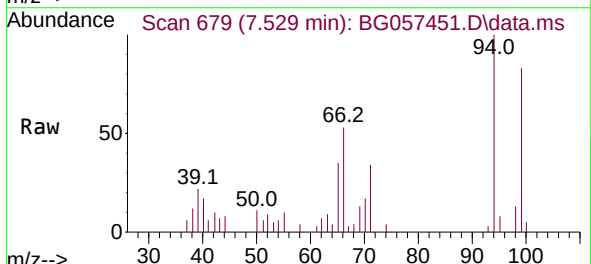
Manual Integrations
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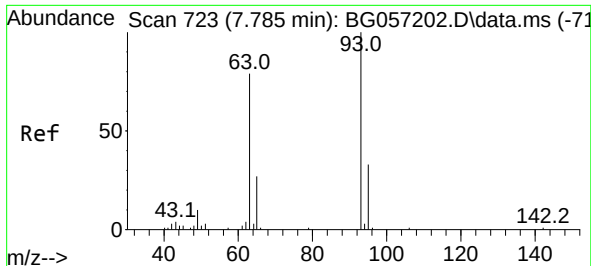
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#10
Phenol
Concen: 7.781 ng
RT: 7.529 min Scan# 679
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

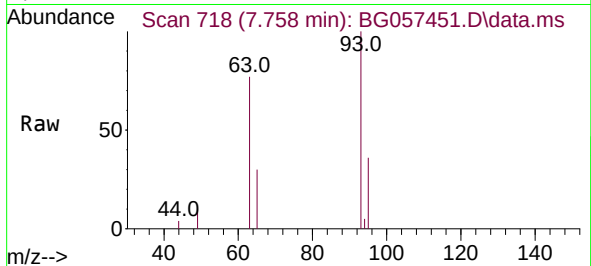
Tgt Ion: 94 Resp: 9885
Ion Ratio Lower Upper
94 100
65 34.7 13.5 53.5
66 52.9 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 7.401 ng
RT: 7.758 min Scan# 718
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

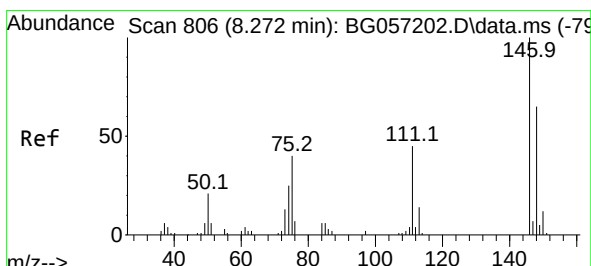
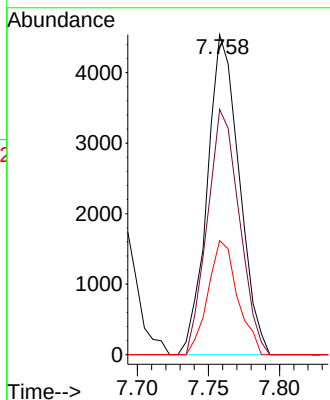
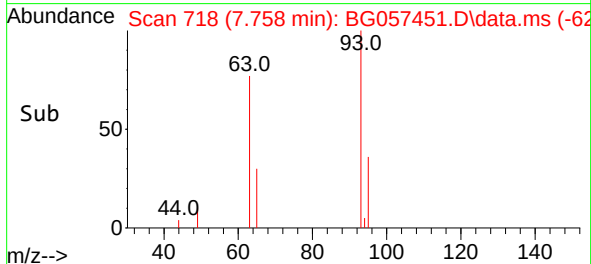
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



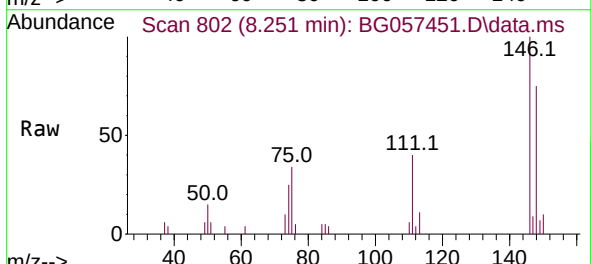
Tgt Ion: 93 Resp: 7090
Ion Ratio Lower Upper
93 100
63 76.7 58.6 98.6
95 35.7 12.2 52.2

Manual Integrations
APPROVED

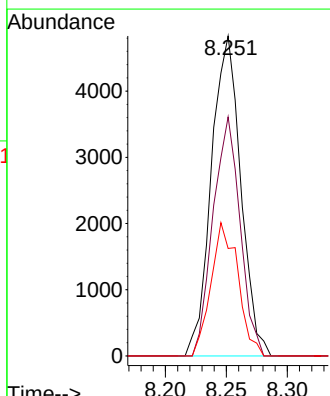
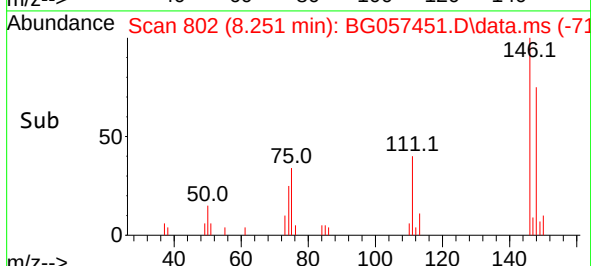
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

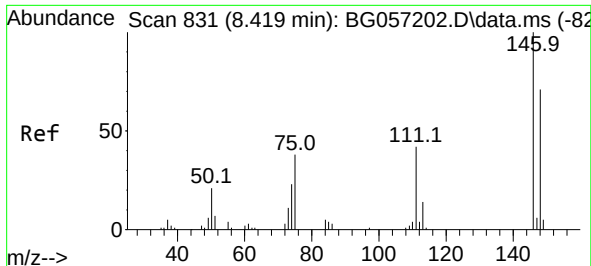


#12
1,3-Dichlorobenzene
Concen: 8.094 ng
RT: 8.251 min Scan# 802
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion:146 Resp: 8101
Ion Ratio Lower Upper
146 100
148 74.7 52.2 78.2
75 33.6 31.7 47.5





#13

1,4-Dichlorobenzene

Concen: 8.007 ng

RT: 8.398 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

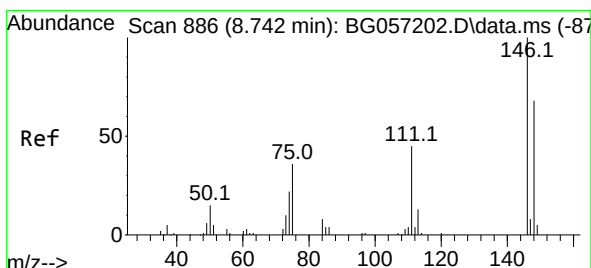
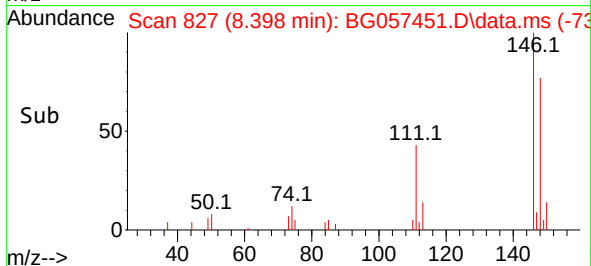
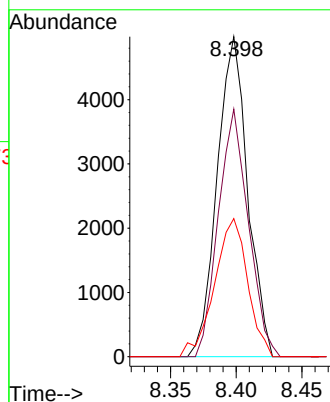
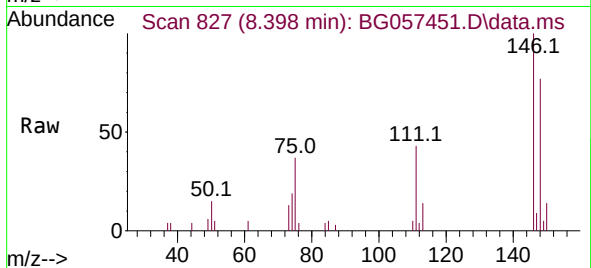
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:146	Resp:	8050
Ion Ratio	Lower	Upper
146	100	
148	77.3	56.4 84.6
111	43.2	33.8 50.6

Manual Integrations

APPROVED

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



#14

1,2-Dichlorobenzene

Concen: 8.420 ng

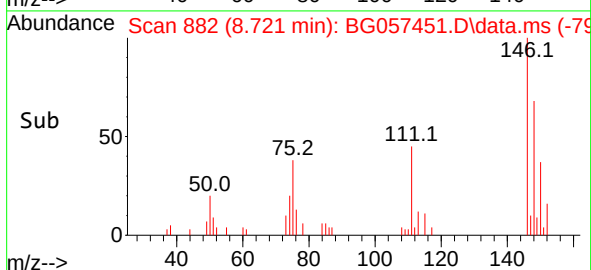
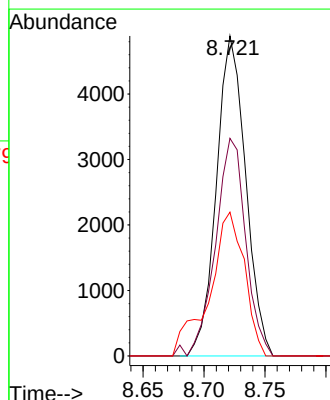
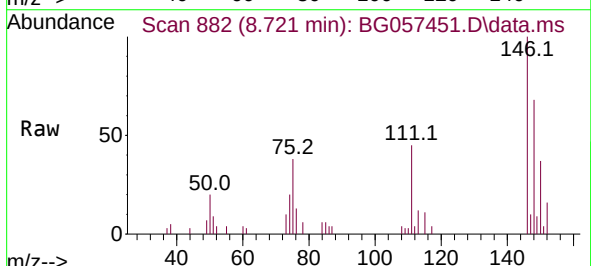
RT: 8.721 min Scan# 882

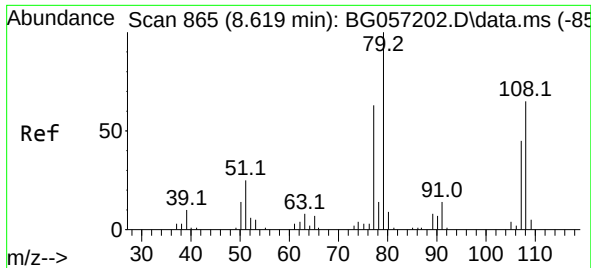
Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Tgt Ion:146	Resp:	8172
Ion Ratio	Lower	Upper
146	100	
148	68.0	54.6 82.0
111	44.9	37.2 55.8





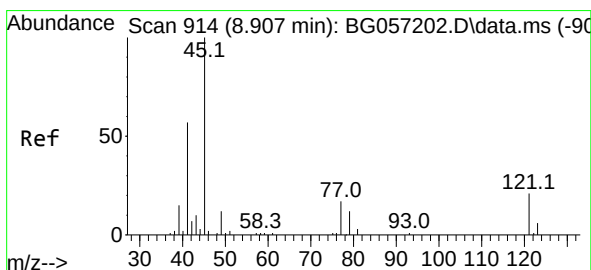
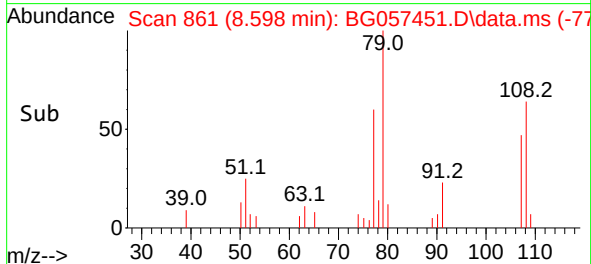
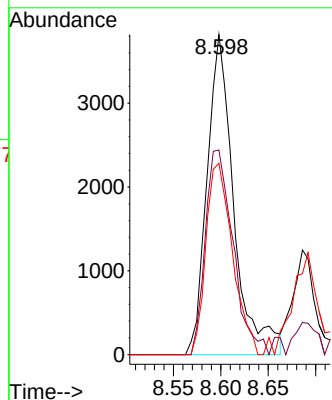
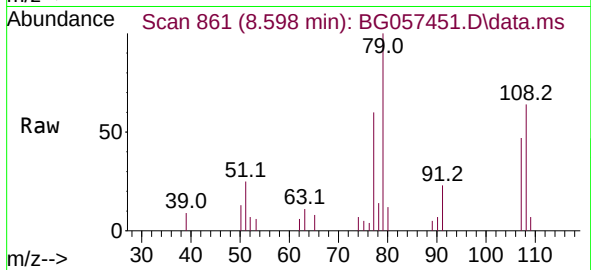
#15
Benzyl Alcohol
Concen: 6.903 ng
RT: 8.598 min Scan# 801
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 79	Resp: 749		
Ion Ratio	Lower	Upper	
79	100		
108	63.9	52.2	78.2
77	59.8	50.1	75.1

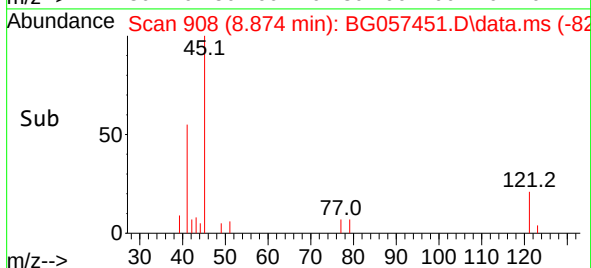
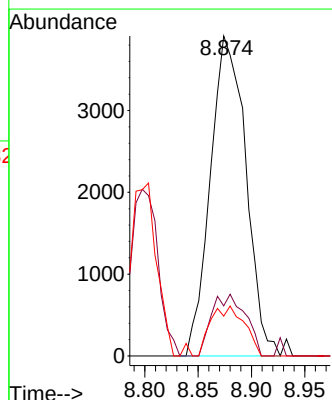
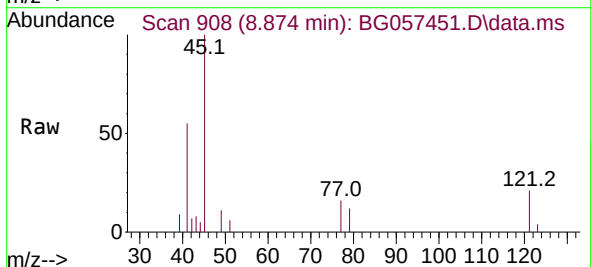
Manual Integrations
APPROVED

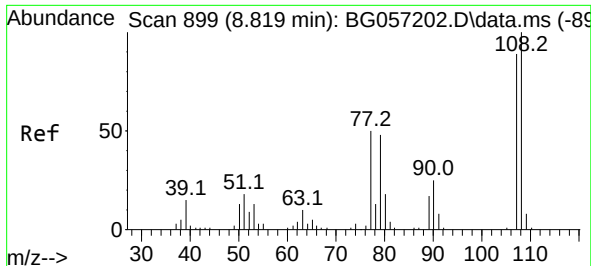
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.502 ng
RT: 8.874 min Scan# 908
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

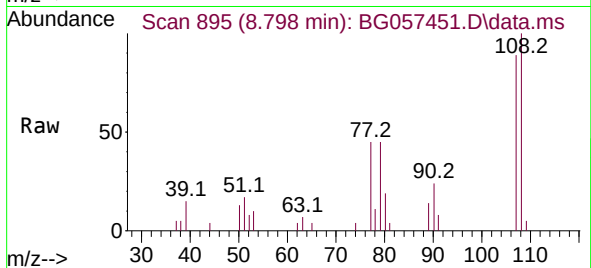
Tgt Ion: 45	Resp: 9058
Ion Ratio	Lower Upper
45 100	
77 15.6	0.0 38.5
79 12.5	0.0 33.8





#17
2-Methylphenol
Concen: 7.292 ng
RT: 8.798 min Scan# 899
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

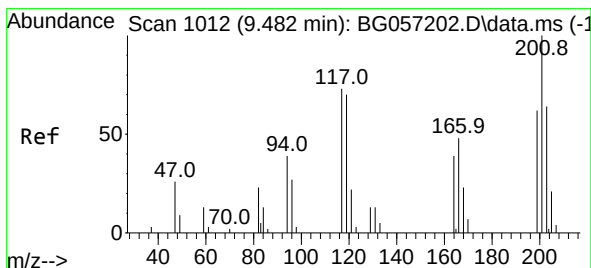
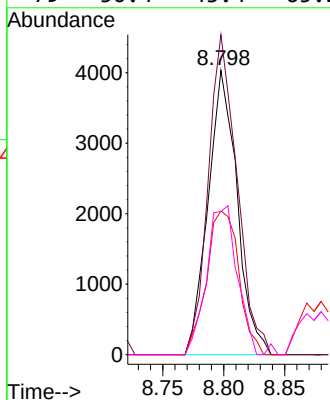
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:	107	Resp:	6678
Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.5	134.3
77	50.5	45.1	67.7
79	50.4	43.4	65.2

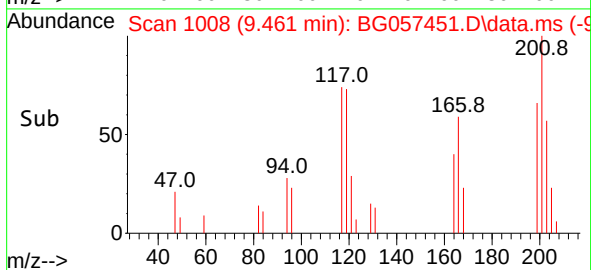
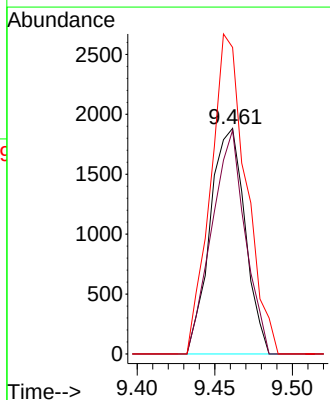
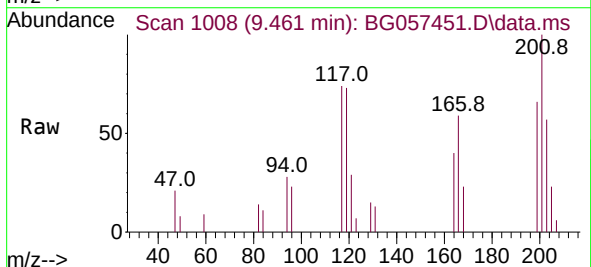
Manual Integrations
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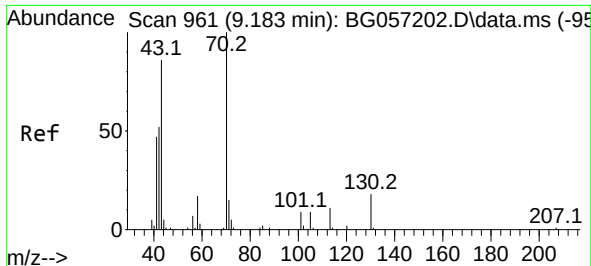
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#18
Hexachloroethane
Concen: 8.114 ng
RT: 9.461 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

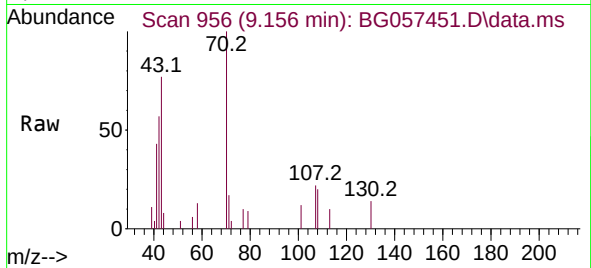
Tgt Ion:	117	Resp:	2944
Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.7	115.1
201	135.9	109.0	163.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.252 ng
RT: 9.156 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

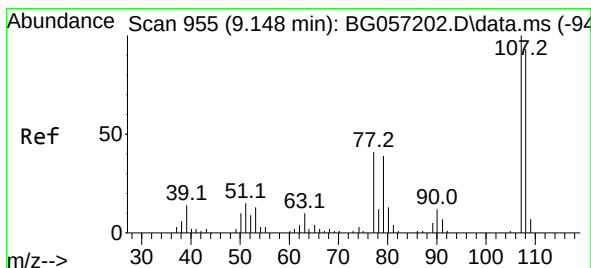
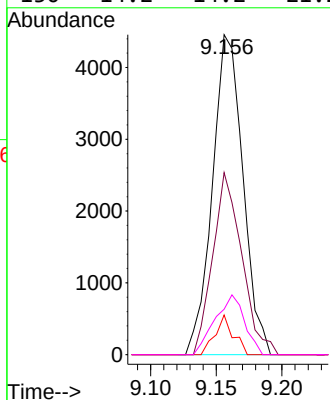
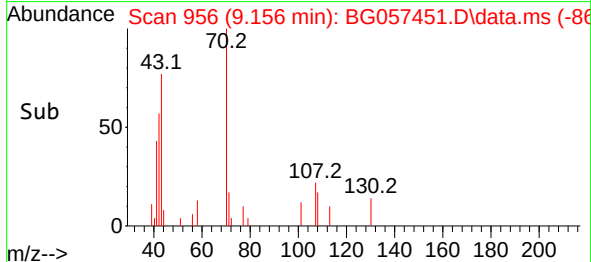
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 70 Resp: 720
Ion Ratio Lower Upper
70 100
42 56.9 41.8 62.8
101 12.4 6.8 10.2
130 14.2 14.2 21.2

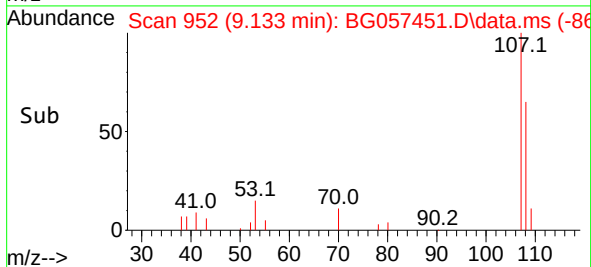
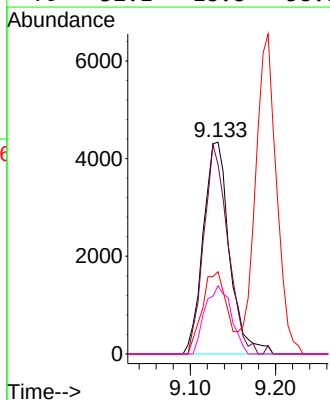
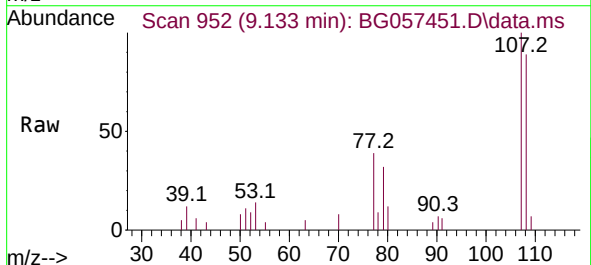
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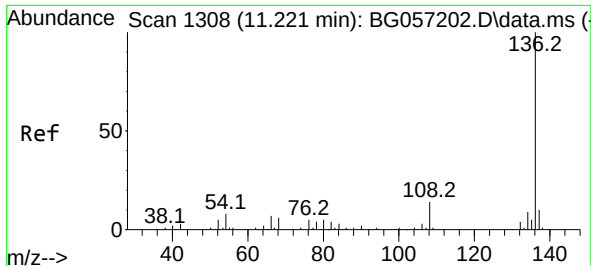
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#20
3+4-Methylphenols
Concen: 7.384 ng
RT: 9.133 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

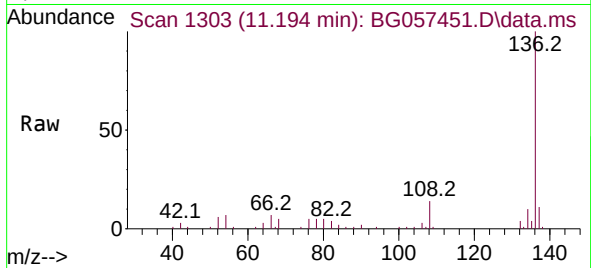
Tgt Ion:107 Resp: 9259
Ion Ratio Lower Upper
107 100
108 89.4 73.5 113.5
77 38.9 21.1 61.1
79 32.1 18.8 58.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 111
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

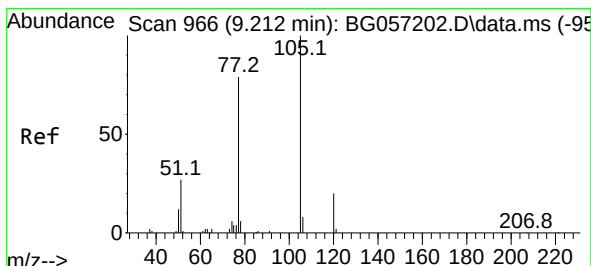
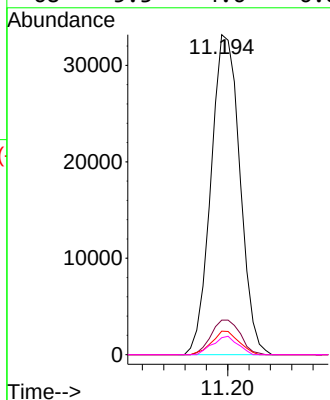
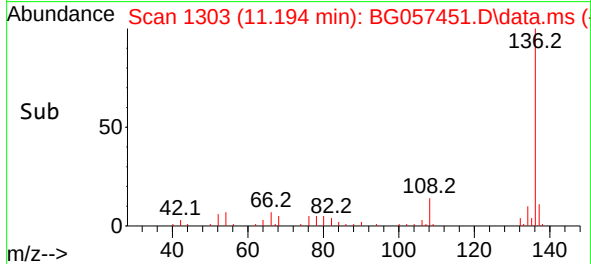
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:136 Resp: 6247
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 7.3 6.7 10.1
68 5.3 4.6 6.8

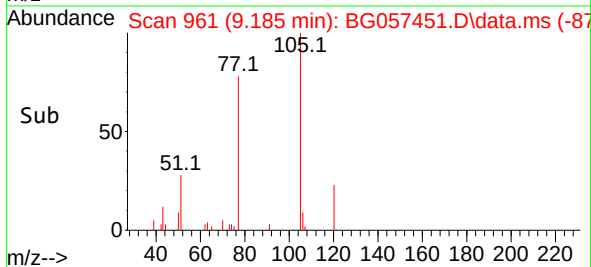
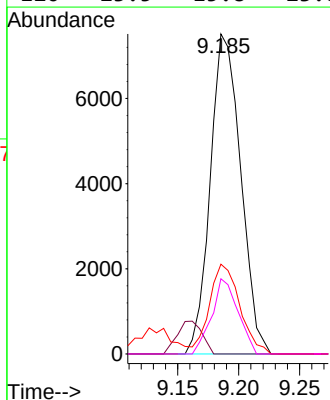
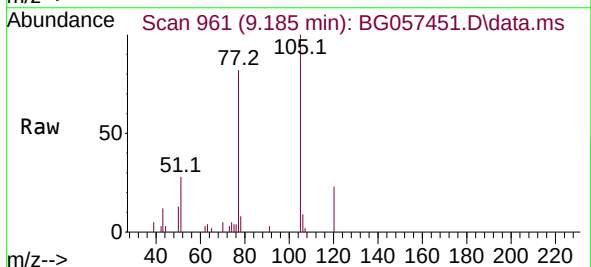
Manual Integrations
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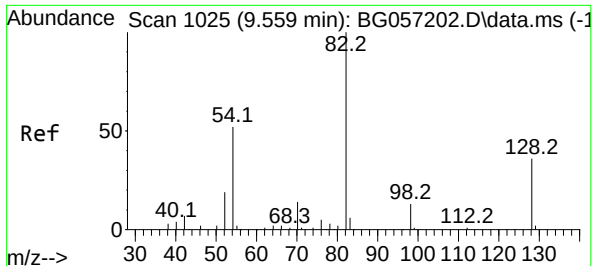
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#22
Acetophenone
Concen: 7.304 ng
RT: 9.185 min Scan# 961
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:105 Resp: 13061
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 28.0 24.0 36.0
120 23.5 15.8 23.8





#23

Nitrobenzene-d5

Concen: 69.925 ng

RT: 9.538 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 82 Resp: 104089

Ion Ratio Lower Upper

82 100

128 34.9 29.0 43.4

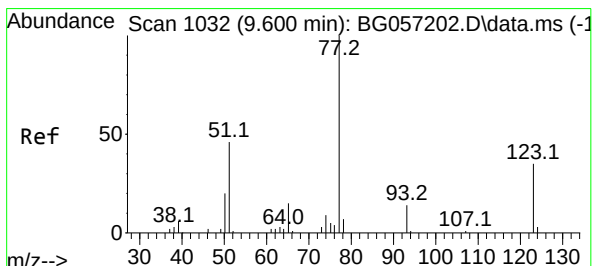
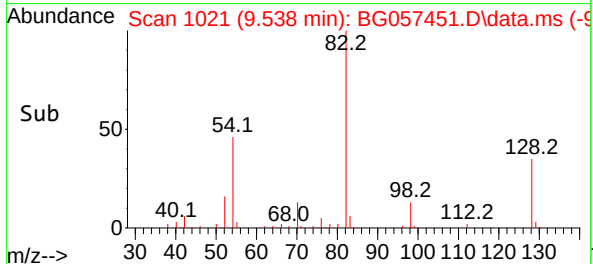
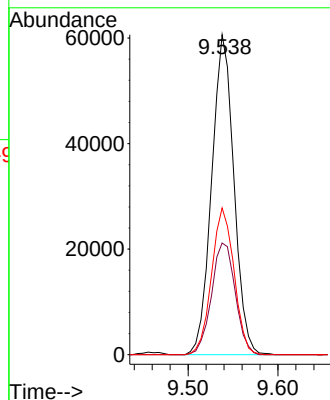
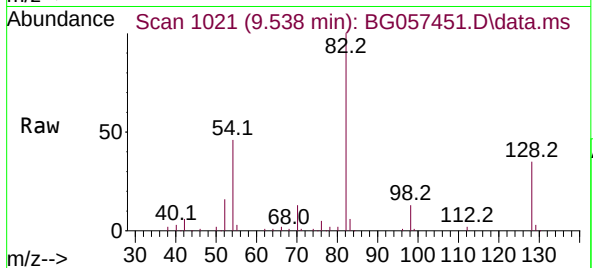
54 45.9 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#24

Nitrobenzene

Concen: 7.288 ng

RT: 9.579 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

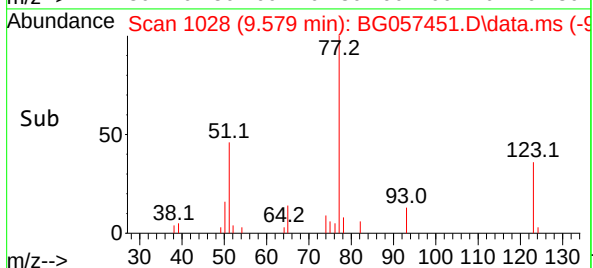
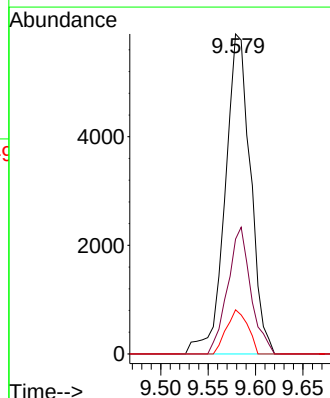
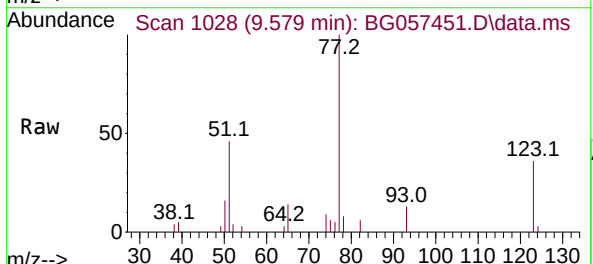
Tgt Ion: 77 Resp: 10950

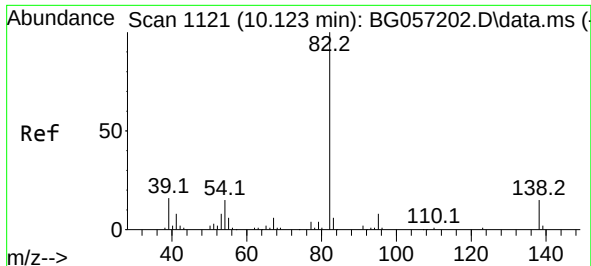
Ion Ratio Lower Upper

77 100

123 35.9 28.2 42.2

65 13.8 11.7 17.5





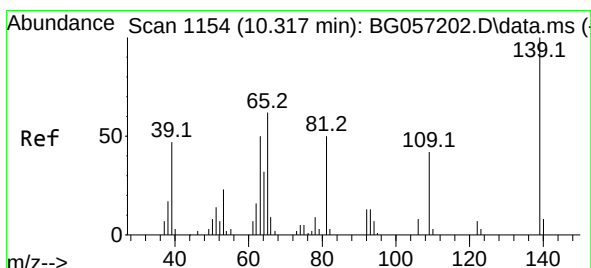
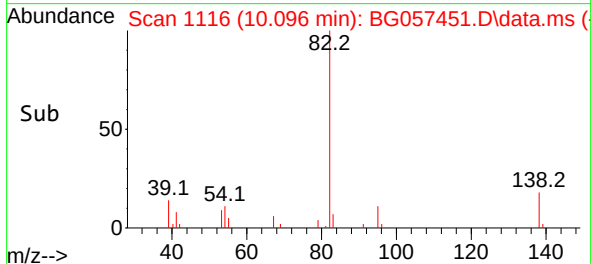
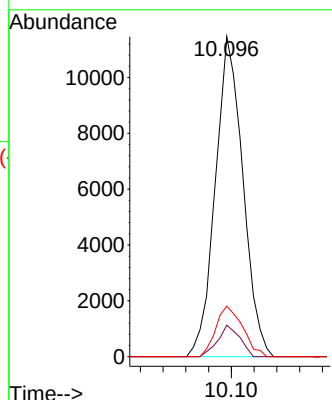
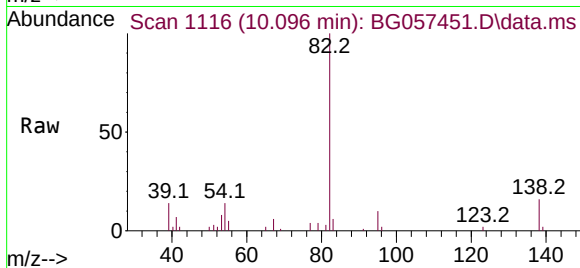
#25
Isophorone
Concen: 6.686 ng
RT: 10.096 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 82 Resp: 19298
Ion Ratio Lower Upper
82 100
95 9.8 6.4 9.6
138 15.8 12.3 18.5

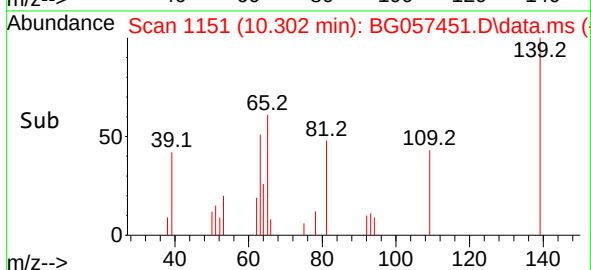
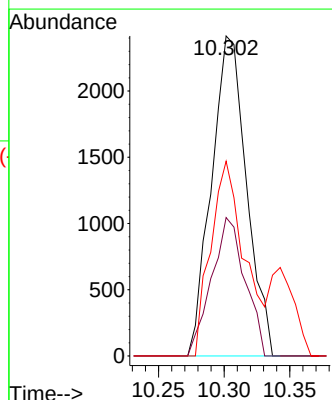
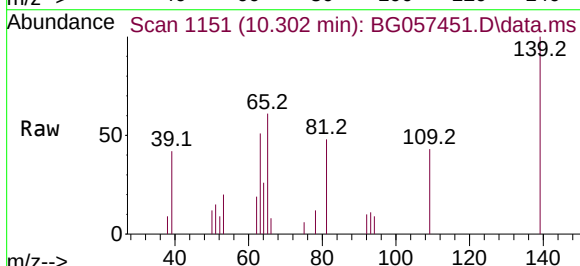
Manual Integrations
APPROVED

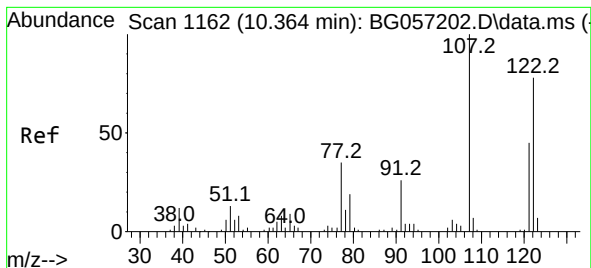
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#26
2-Nitrophenol
Concen: 7.800 ng
RT: 10.302 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:139 Resp: 4486
Ion Ratio Lower Upper
139 100
109 43.3 33.4 50.2
65 60.8 49.8 74.6





#27

2,4-Dimethylphenol

Concen: 7.327 ng

RT: 10.343 min Scan# 1158

Delta R.T. -0.000 min

Lab File: BG057451.D

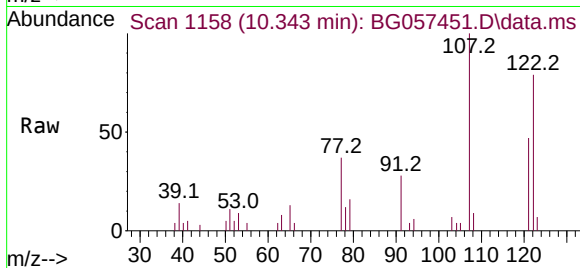
Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

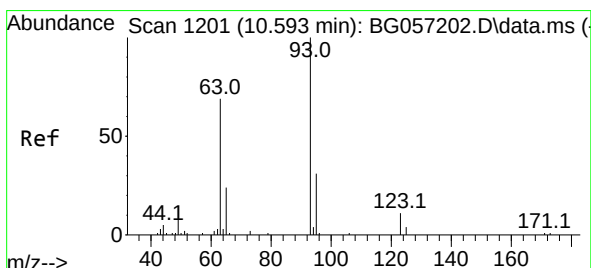
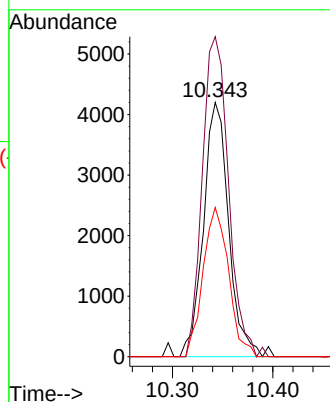
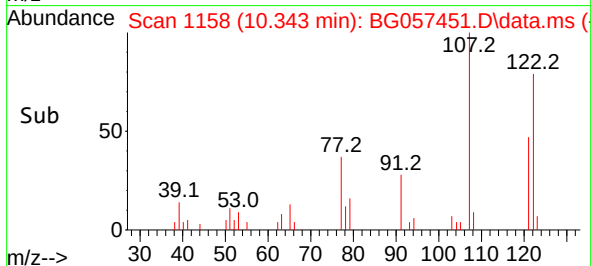


Tgt Ion:	122	Resp:	7378
Ion	Ratio	Lower	Upper
122	100		
107	125.9	103.0	154.4
121	58.6	45.9	68.9

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 7.004 ng

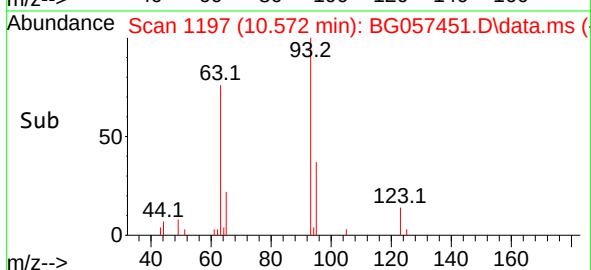
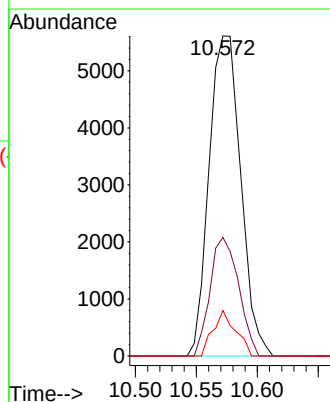
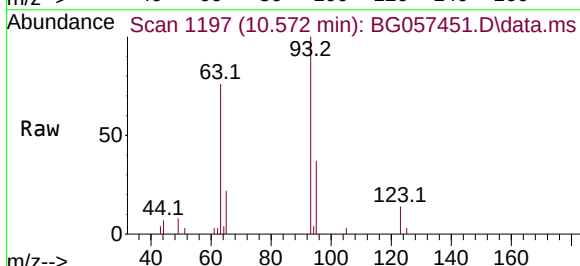
RT: 10.572 min Scan# 1197

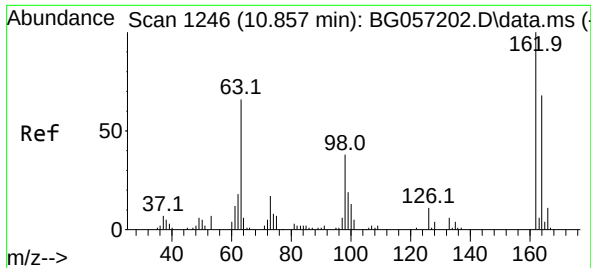
Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Tgt Ion:	93	Resp:	10129
Ion	Ratio	Lower	Upper
93	100		
95	37.0	25.0	37.6
123	14.2	8.5	12.7





#29

2,4-Dichlorophenol

Concen: 7.543 ng

RT: 10.854 min Scan# 11

Delta R.T. 0.011 min

Lab File: BG057451.D

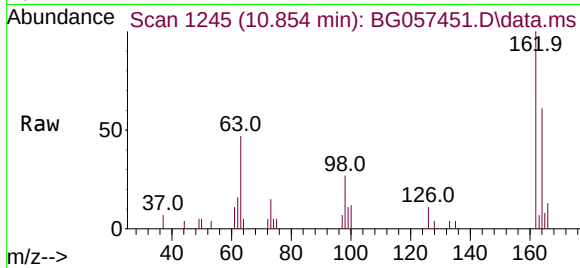
Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

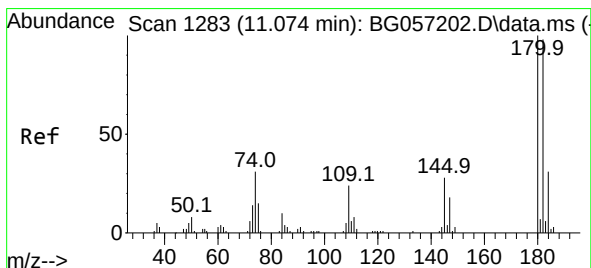
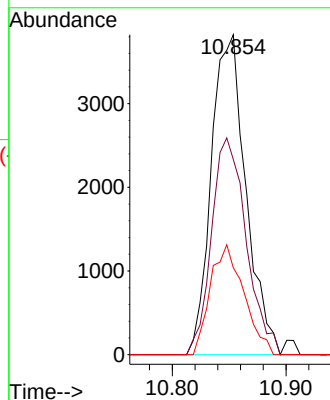


Tgt Ion:	162	Resp:	805
Ion Ratio	Lower	Upper	
162	100		
164	61.0	48.4	88.4
98	27.2	17.6	57.6

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 7.898 ng

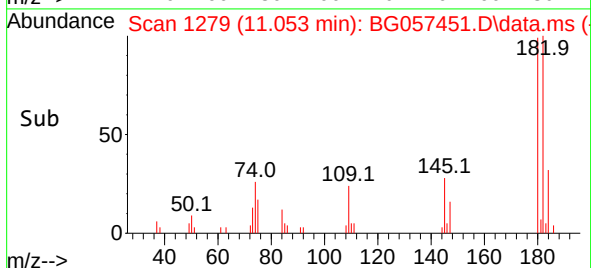
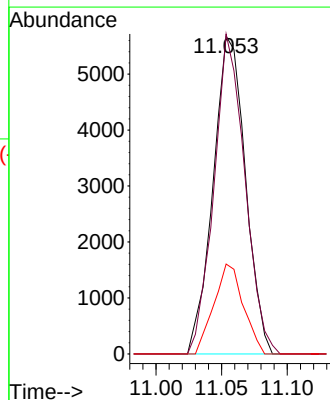
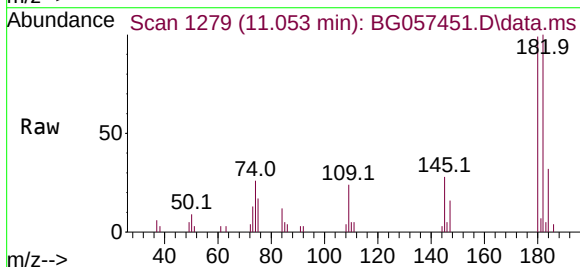
RT: 11.053 min Scan# 1279

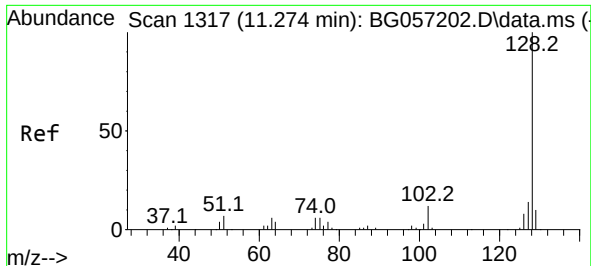
Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

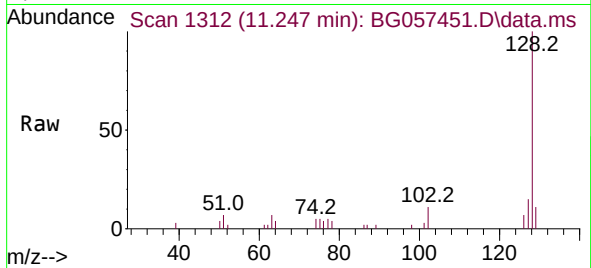
Tgt Ion:	180	Resp:	9730
Ion Ratio	Lower	Upper	
180	100		
182	100.7	78.0	117.0
145	28.3	22.4	33.6





#31
Naphthalene
Concen: 7.565 ng
RT: 11.247 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

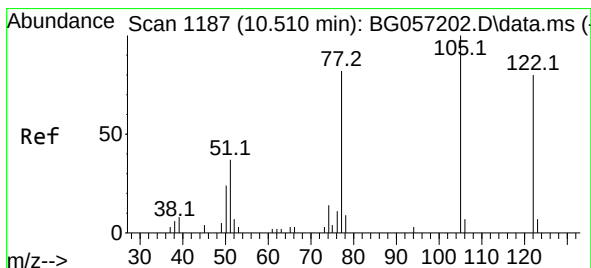
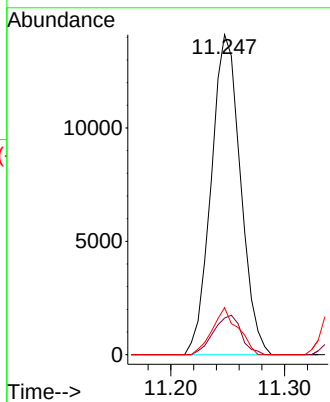
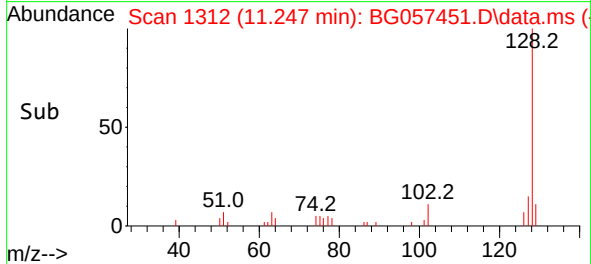
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



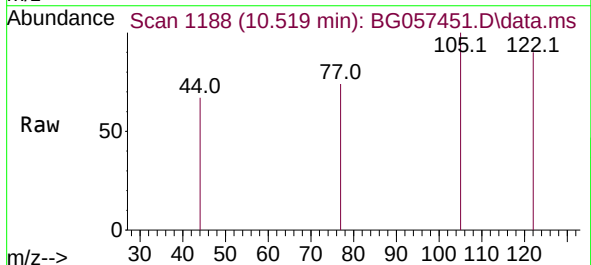
Tgt Ion:128 Resp: 2526
Ion Ratio Lower Upper
128 100
129 11.4 8.3 12.5
127 14.7 11.1 16.7

Manual Integrations
APPROVED

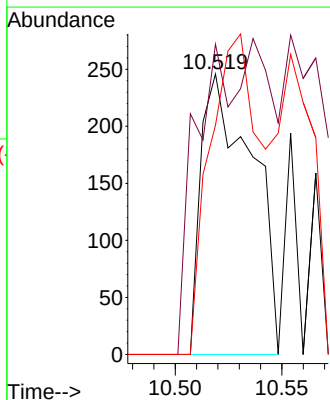
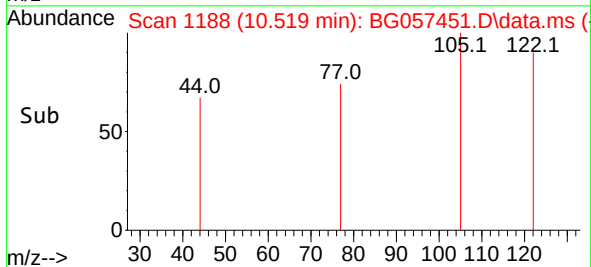
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

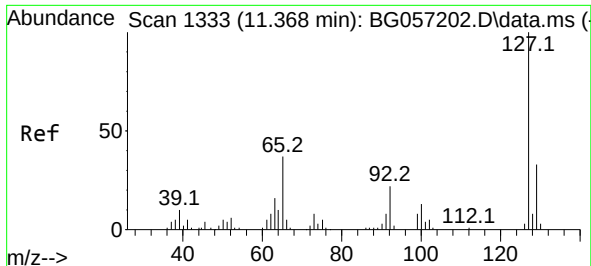


#32
Benzoic acid
Concen: 5.352 ng
RT: 10.519 min Scan# 1188
Delta R.T. 0.029 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



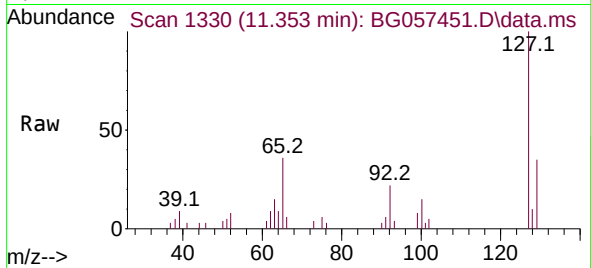
Tgt Ion:122 Resp: 409
Ion Ratio Lower Upper
122 100
105 110.6 105.2 145.2
77 81.7 83.1 123.1#





#33
4-Chloroaniline
Concen: 7.115 ng
RT: 11.353 min Scan# 11353
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

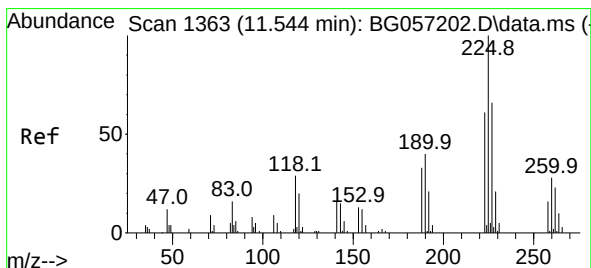
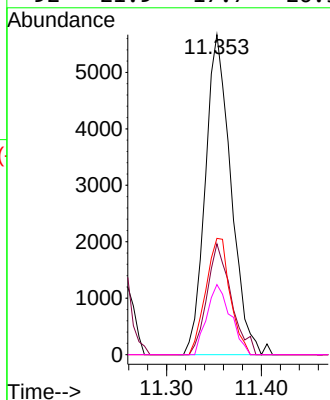
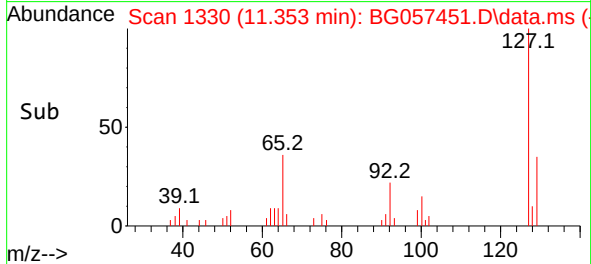
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



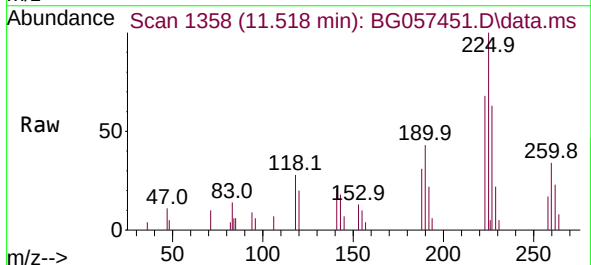
Tgt Ion	Ratio	Lower	Upper
127	100		
129	34.6	26.7	40.1
65	36.4	29.7	44.5
92	21.9	17.7	26.5

Manual Integrations
APPROVED

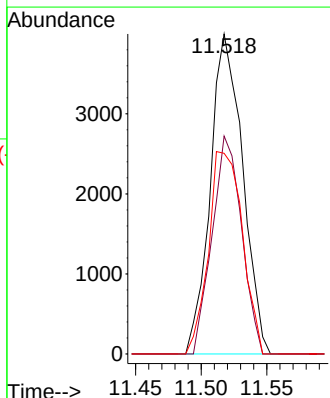
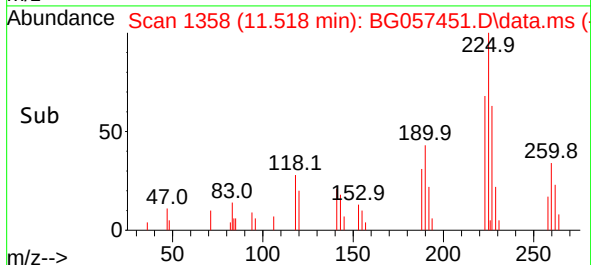
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

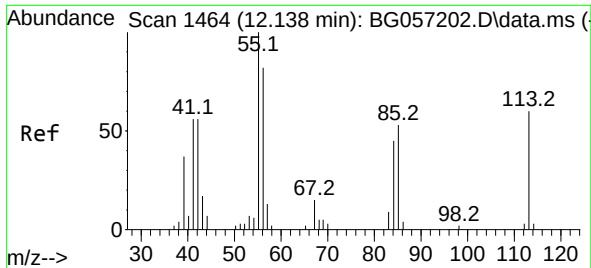


#34
Hexachlorobutadiene
Concen: 7.484 ng
RT: 11.518 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.1	48.6	72.8
227	62.7	52.7	79.1





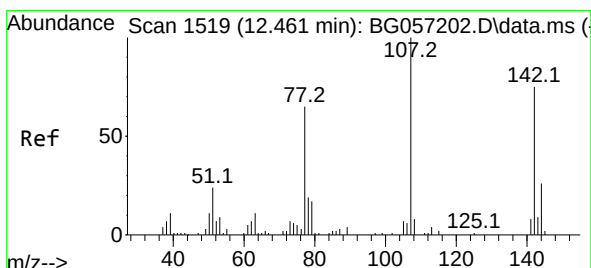
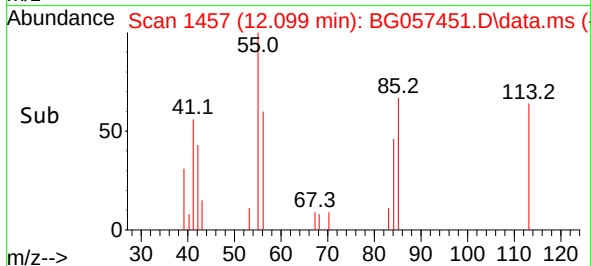
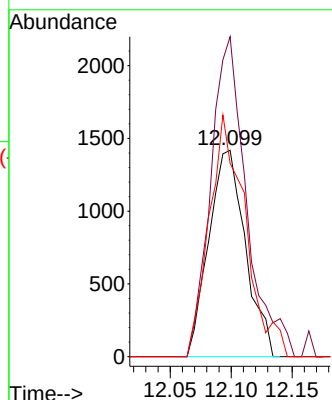
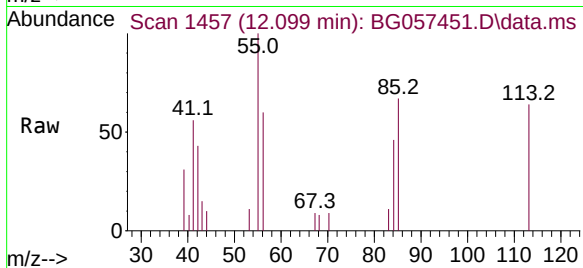
#35
Caprolactam
Concen: 8.116 ng
RT: 12.099 min Scan# 1464
Delta R.T. -0.030 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:113 Resp: 296
Ion Ratio Lower Upper
113 100
55 155.1 145.5 185.5
56 93.7 115.9 155.9

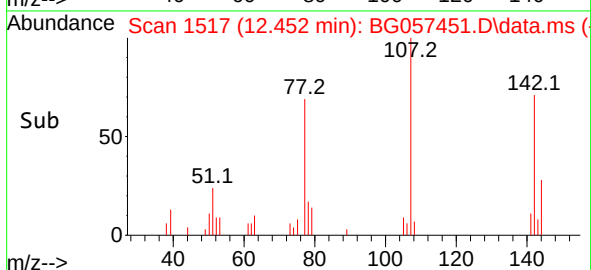
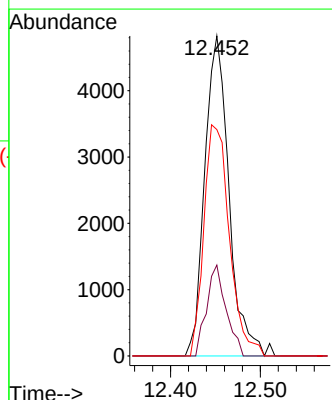
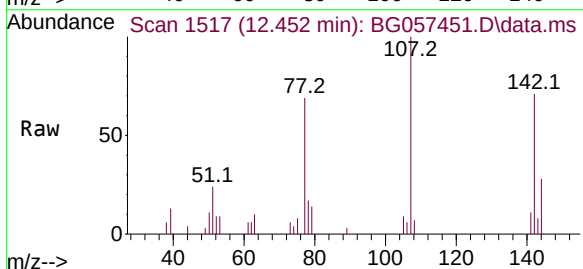
Manual Integrations
APPROVED

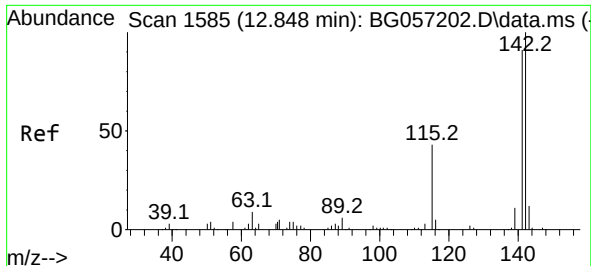
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#36
4-Chloro-3-methylphenol
Concen: 7.466 ng
RT: 12.452 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:107 Resp: 9062
Ion Ratio Lower Upper
107 100
144 28.4 21.0 31.6
142 70.7 60.0 90.0





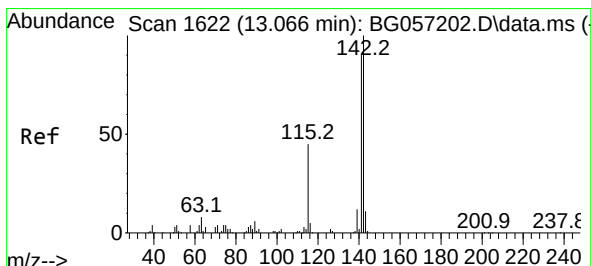
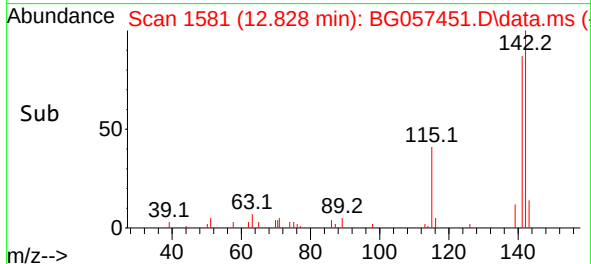
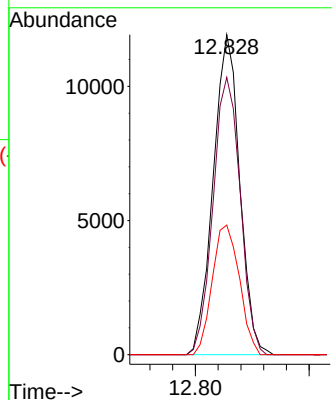
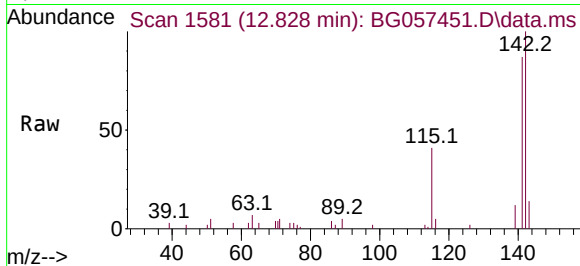
#37
2-Methylnaphthalene
Concen: 7.360 ng
RT: 12.828 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:142 Resp: 19329
Ion Ratio Lower Upper
142 100
141 86.6 73.1 109.7
115 40.5 34.6 52.0

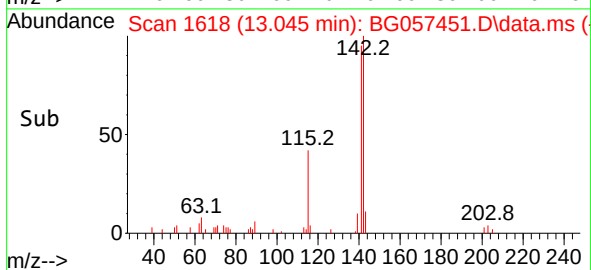
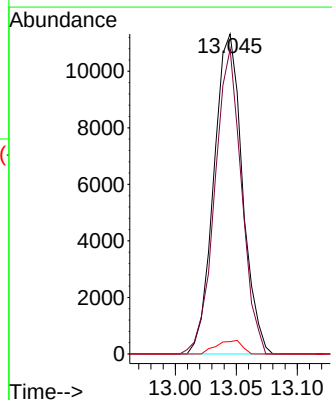
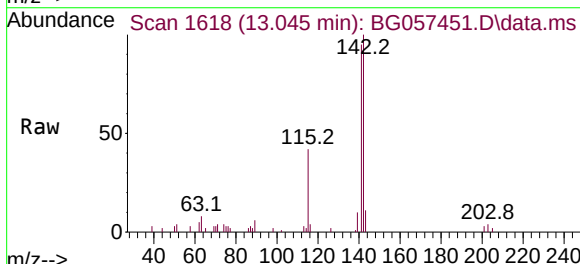
Manual Integrations
APPROVED

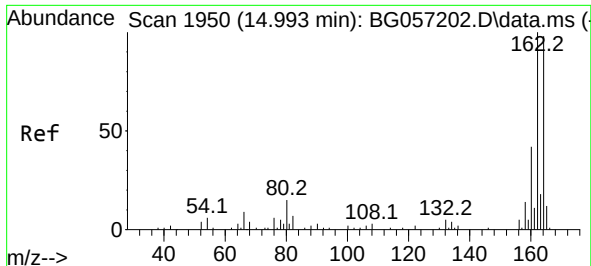
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#38
1-Methylnaphthalene
Concen: 7.444 ng
RT: 13.045 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

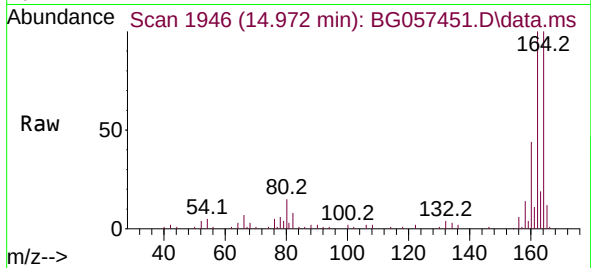
Tgt Ion:142 Resp: 18426
Ion Ratio Lower Upper
142 100
141 95.3 72.5 108.7
116 3.9 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.972 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

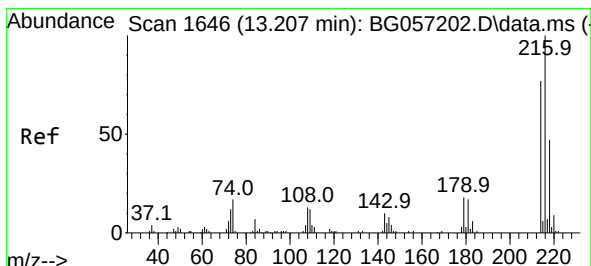
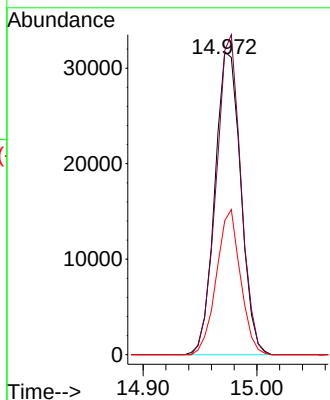
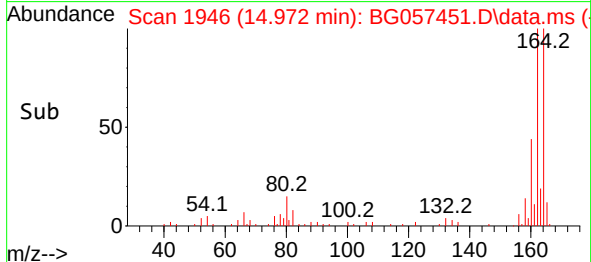
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:164 Resp: 50138
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.6
160 44.3 34.6 52.0

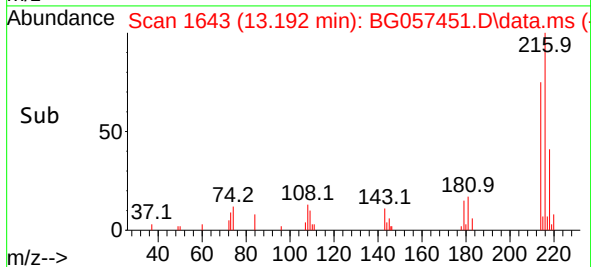
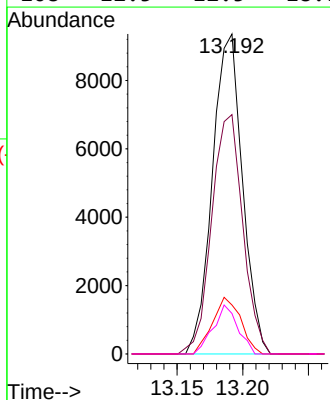
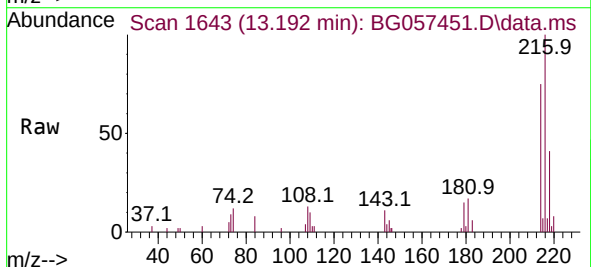
Manual Integrations
APPROVED

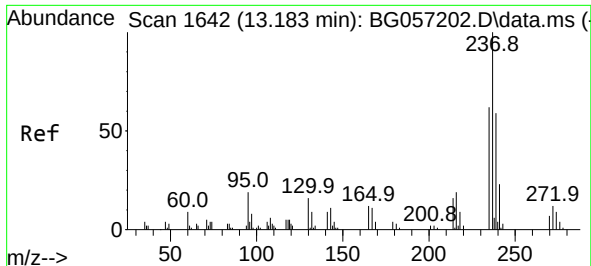
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.367 ng
RT: 13.192 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

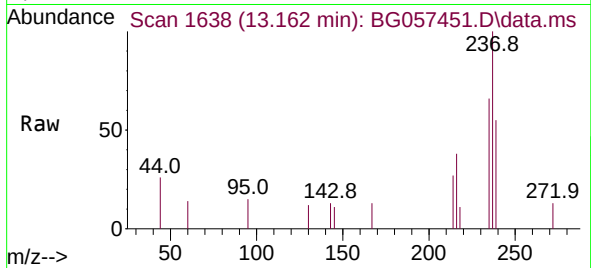
Tgt Ion:216 Resp: 14893
Ion Ratio Lower Upper
216 100
214 77.3 63.7 95.5
179 16.6 14.6 22.0
108 12.5 12.5 18.7





#41
Hexachlorocyclopentadiene
Concen: 8.200 ng
RT: 13.162 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

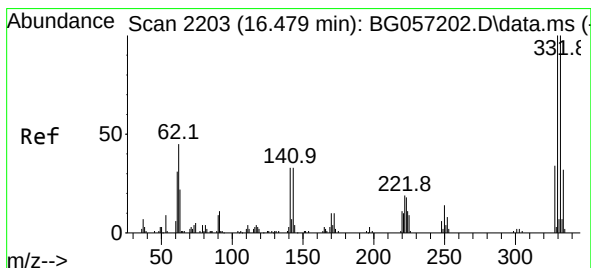
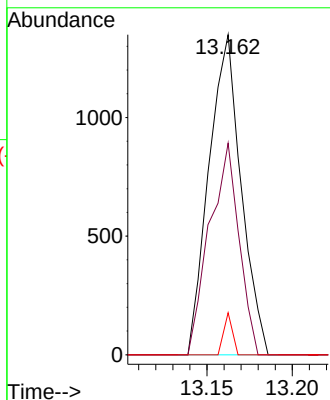
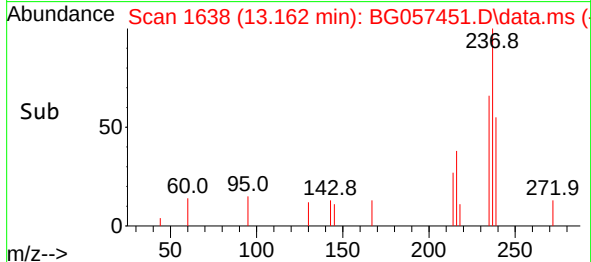
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



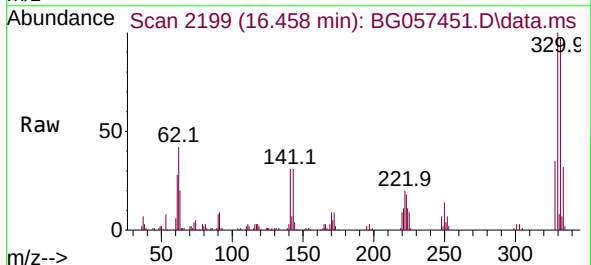
Tgt Ion:237 Resp: 1769
Ion Ratio Lower Upper
237 100
235 66.1 42.0 82.0
272 13.1 0.0 31.5

Manual Integrations
APPROVED

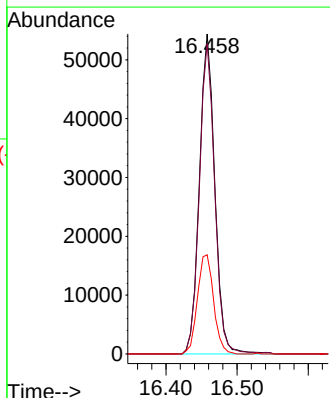
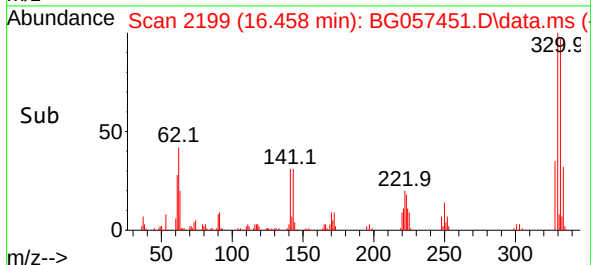
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

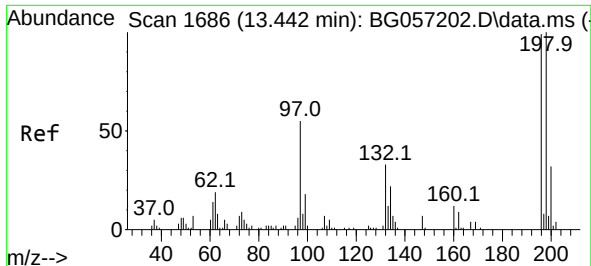


#42
2,4,6-Tribromophenol
Concen: 115.723 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



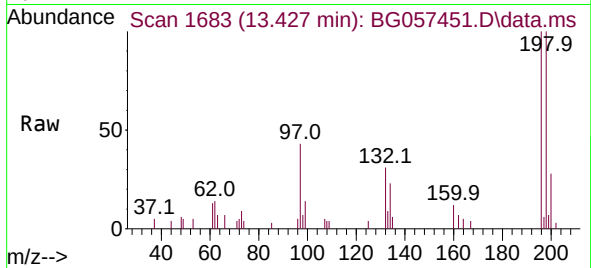
Tgt Ion:330 Resp: 82326
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 32.5 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 7.019 ng
RT: 13.427 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

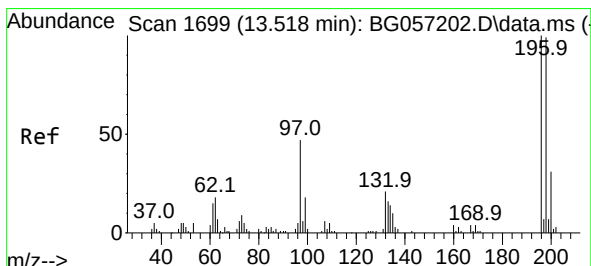
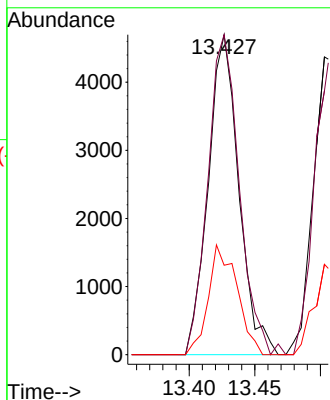
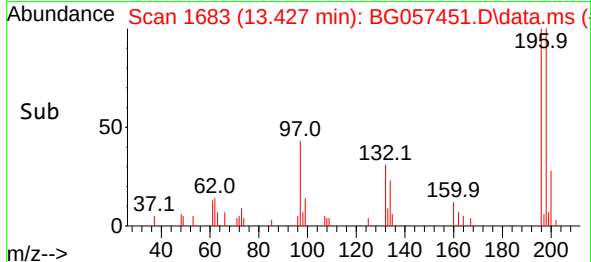
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:196 Resp: 761
Ion Ratio Lower Upper
196 100
198 100.1 81.2 121.8
200 28.0 26.3 39.5

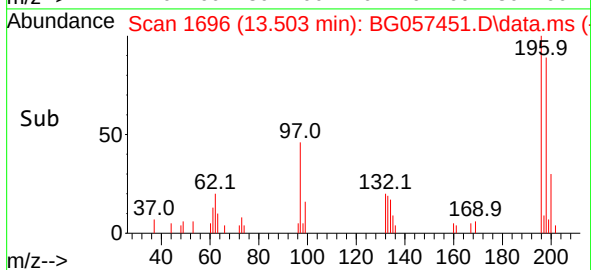
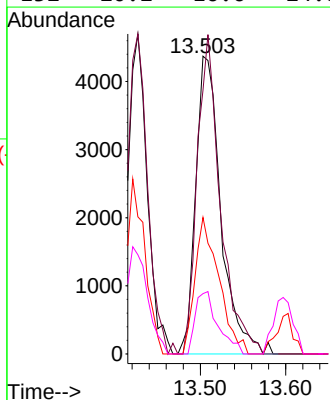
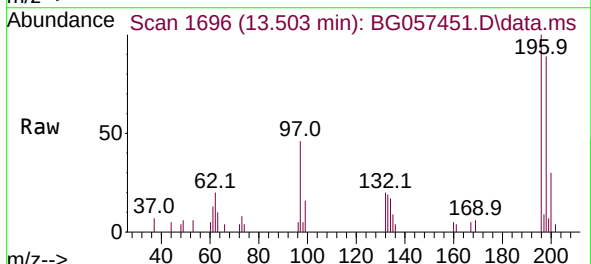
Manual Integrations
APPROVED

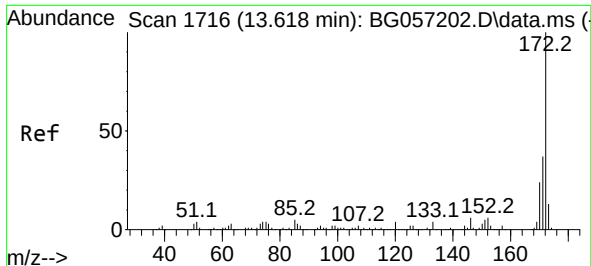
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#44
2,4,5-Trichlorophenol
Concen: 7.027 ng
RT: 13.503 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

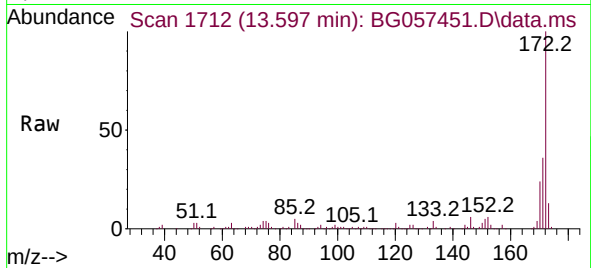
Tgt Ion:196 Resp: 8964
Ion Ratio Lower Upper
196 100
198 88.6 79.4 119.2
97 45.8 37.0 55.4
132 20.2 16.6 24.8





#45
2-Fluorobiphenyl
Concen: 75.663 ng
RT: 13.597 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

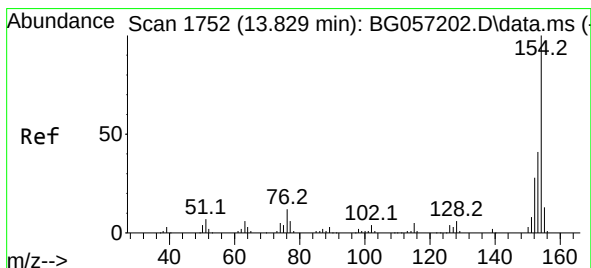
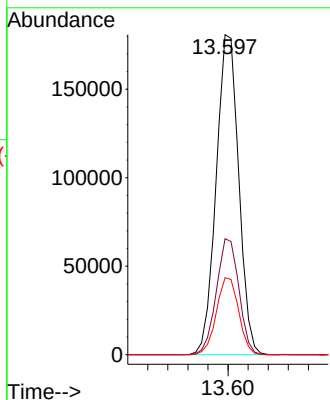
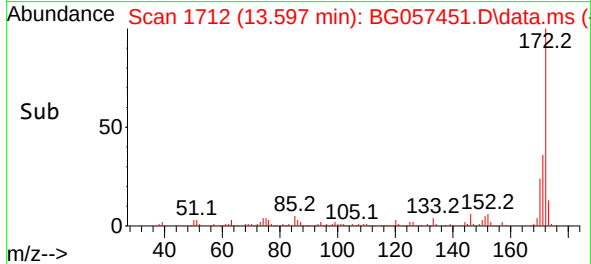
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



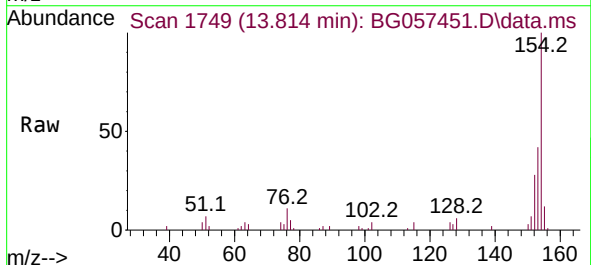
Tgt Ion:172 Resp: 281670
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.1 19.0 28.6

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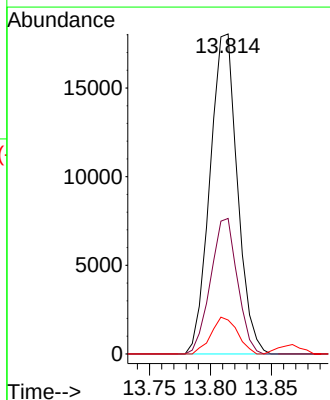
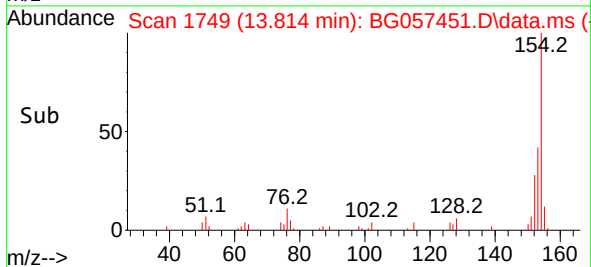
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

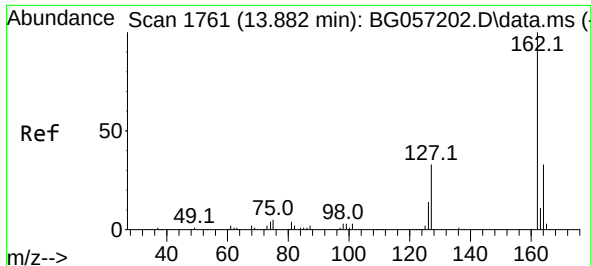


#46
1,1'-Biphenyl
Concen: 7.587 ng
RT: 13.814 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



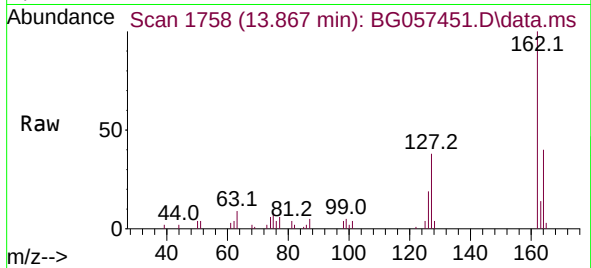
Tgt Ion:154 Resp: 28226
Ion Ratio Lower Upper
154 100
153 42.4 20.9 60.9
76 10.6 0.0 31.7





#47
2-Chloronaphthalene
Concen: 7.817 ng
RT: 13.867 min Scan# 1758
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

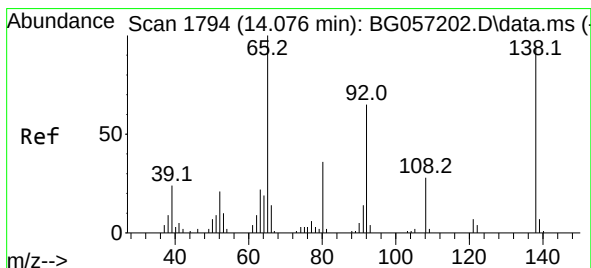
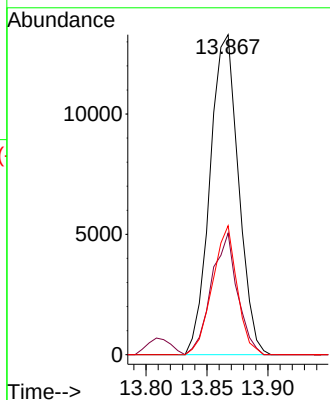
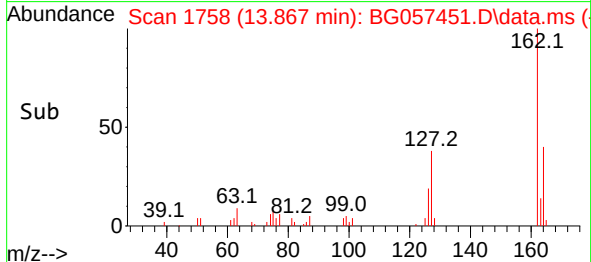
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:162 Resp: 21620
Ion Ratio Lower Upper
162 100
127 38.0 29.8 44.6
164 40.3 26.6 40.0

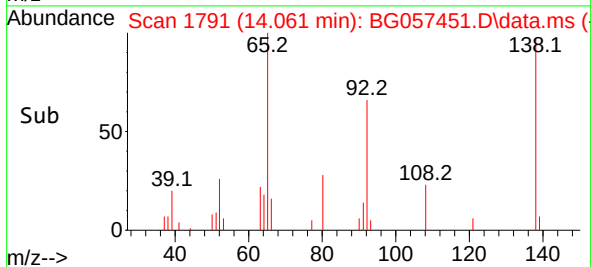
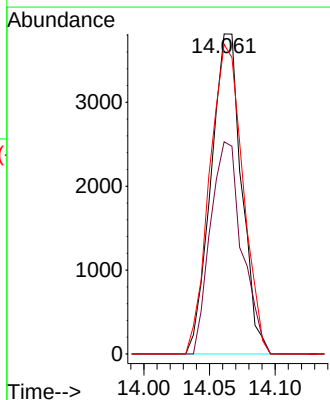
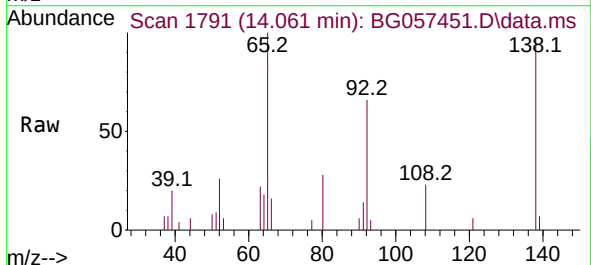
Manual Integrations
APPROVED

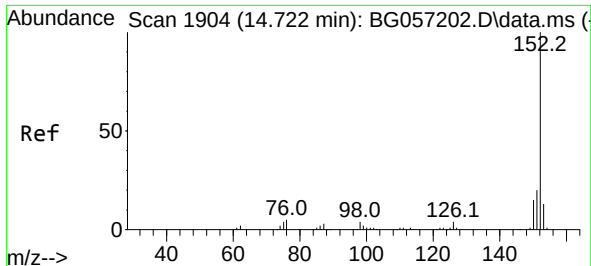
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#48
2-Nitroaniline
Concen: 6.574 ng
RT: 14.061 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

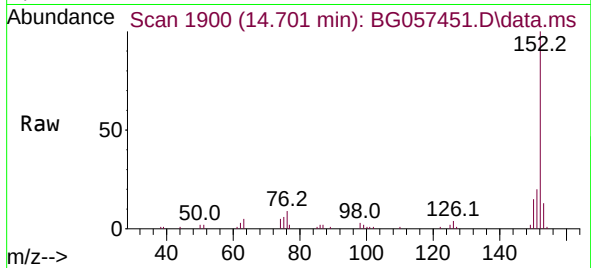
Tgt Ion: 65 Resp: 6184
Ion Ratio Lower Upper
65 100
92 66.3 52.1 78.1
138 96.8 75.3 112.9





#49
Acenaphthylene
Concen: 7.587 ng
RT: 14.701 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

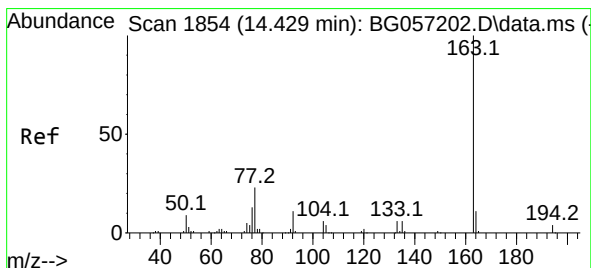
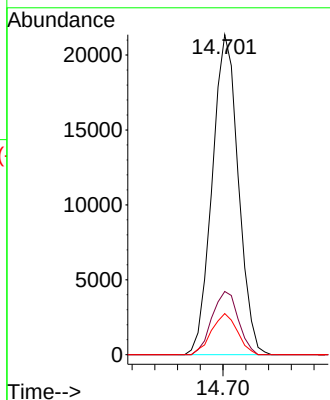
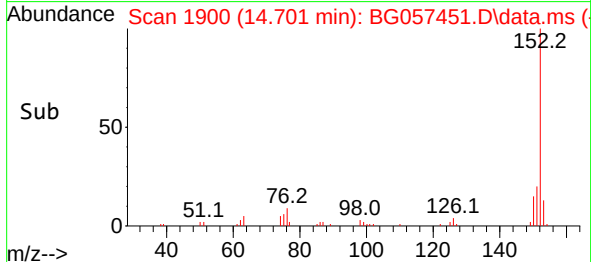
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



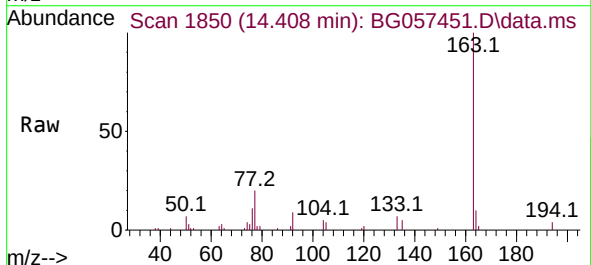
Tgt Ion:152 Resp: 3410
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 12.9 10.7 16.1

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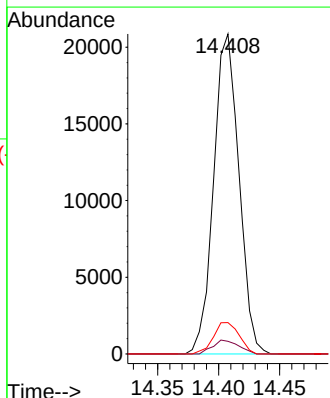
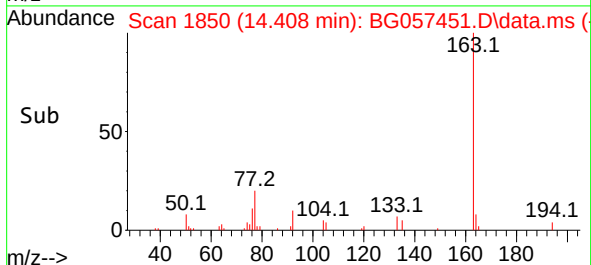
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

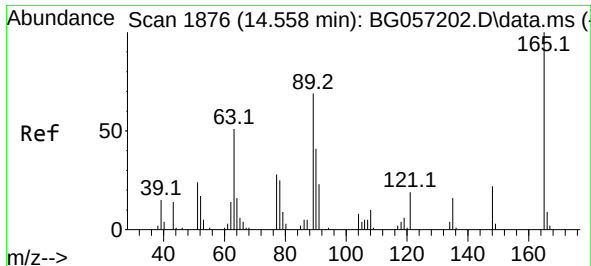


#50
Dimethylphthalate
Concen: 7.316 ng
RT: 14.408 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



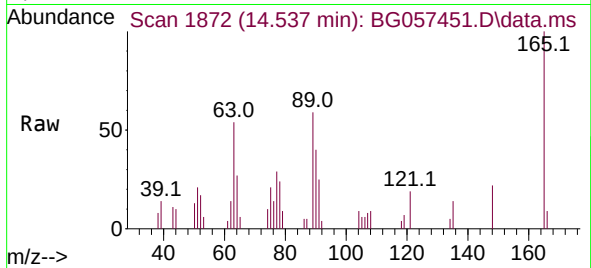
Tgt Ion:163 Resp: 30144
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 9.8 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 7.299 ng
RT: 14.537 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

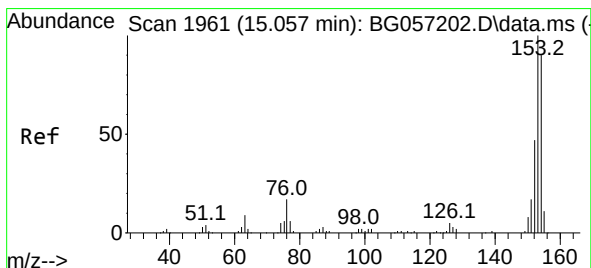
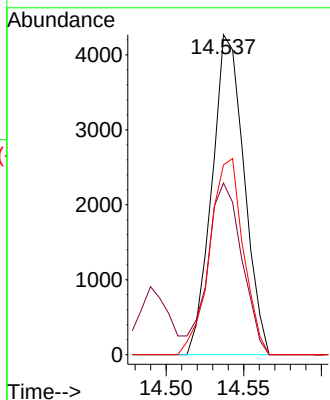
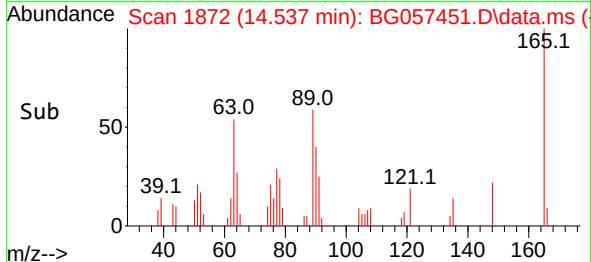
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:165 Resp: 6140
Ion Ratio Lower Upper
165 100
63 53.6 50.9 76.3
89 59.3 55.2 82.8

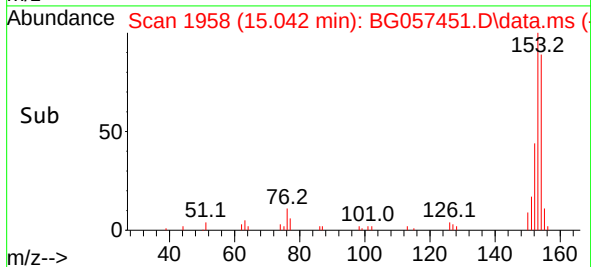
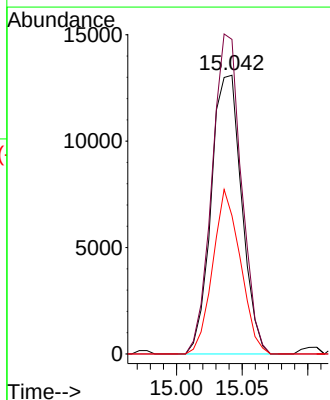
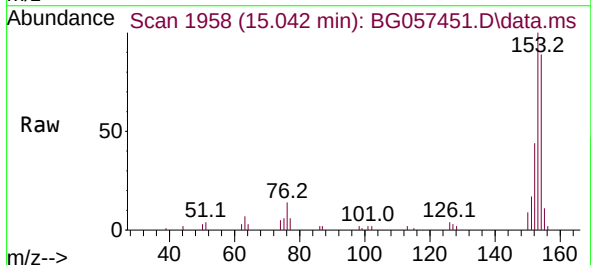
Manual Integrations
APPROVED

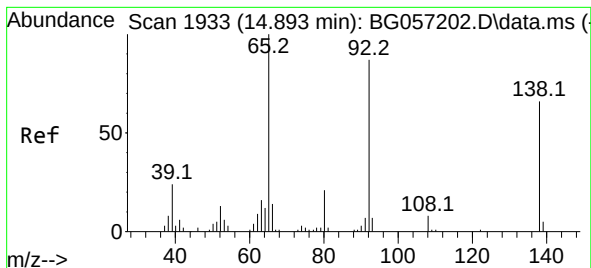
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#52
Acenaphthene
Concen: 7.528 ng
RT: 15.042 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

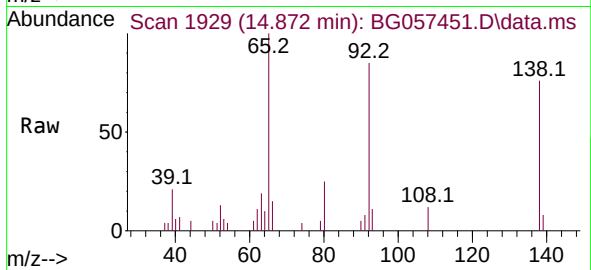
Tgt Ion:154 Resp: 21143
Ion Ratio Lower Upper
154 100
153 112.9 89.3 133.9
152 49.6 41.7 62.5





#53
3-Nitroaniline
Concen: 6.699 ng
RT: 14.872 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

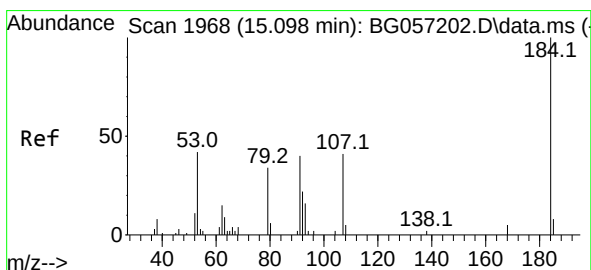
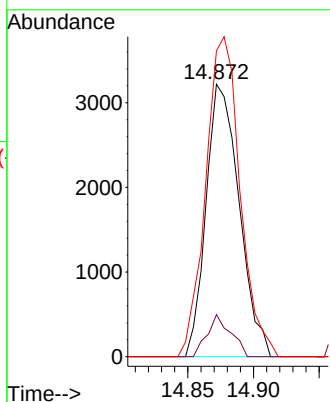
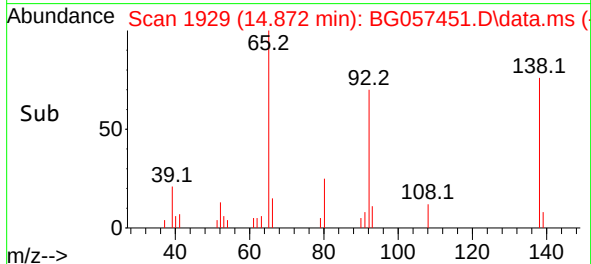
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:138 Resp: 5640
Ion Ratio Lower Upper
138 100
108 15.4 9.5 14.3
92 112.2 106.2 159.4

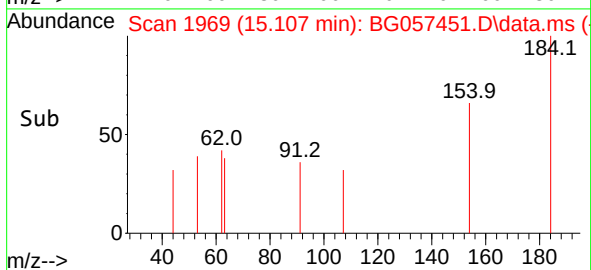
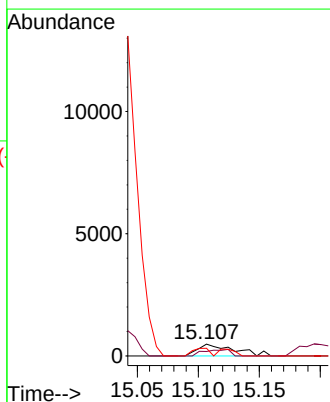
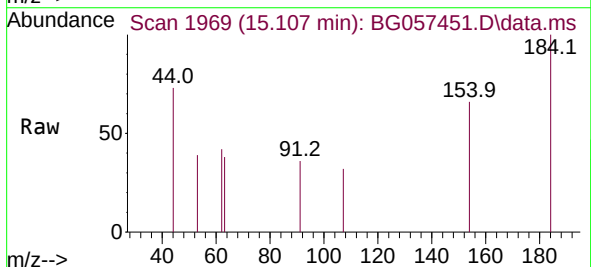
Manual Integrations
APPROVED

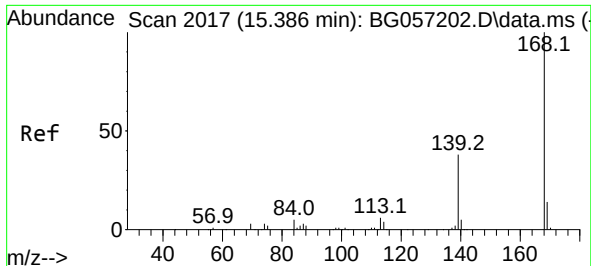
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#54
2,4-Dinitrophenol
Concen: 6.734 ng
RT: 15.107 min Scan# 1969
Delta R.T. 0.011 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

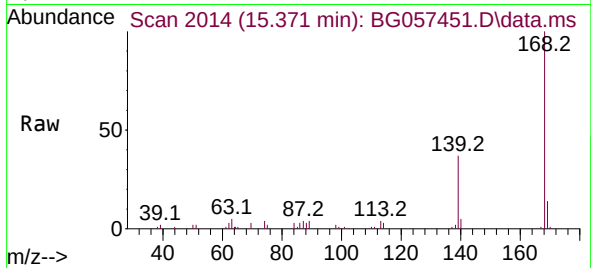
Tgt Ion:184 Resp: 1009
Ion Ratio Lower Upper
184 100
63 37.6 48.2 72.4
154 65.8 55.4 83.2





#55
Dibenzofuran
Concen: 7.671 ng
RT: 15.371 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

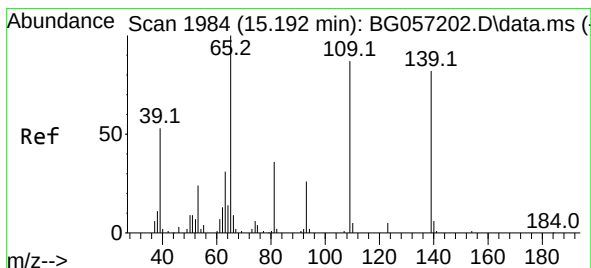
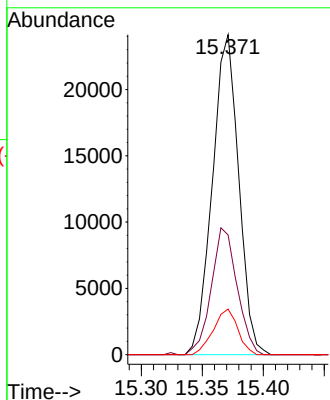
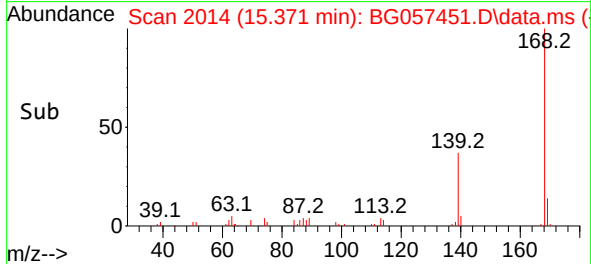
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:168 Resp: 36199
Ion Ratio Lower Upper
168 100
139 37.4 30.7 46.1
169 14.2 10.9 16.3

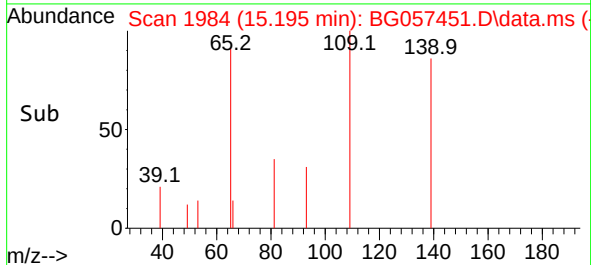
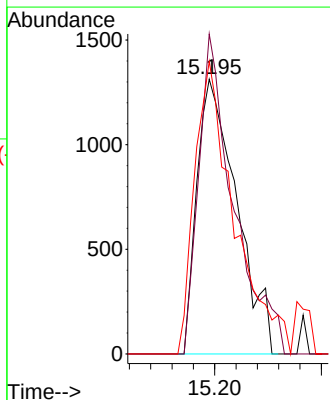
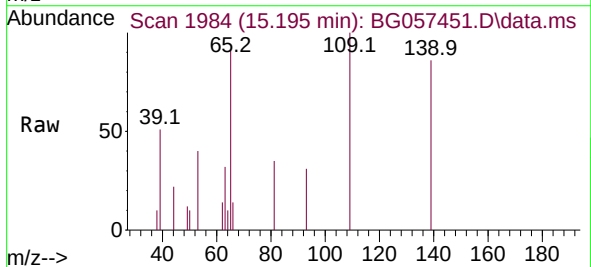
Manual Integrations
APPROVED

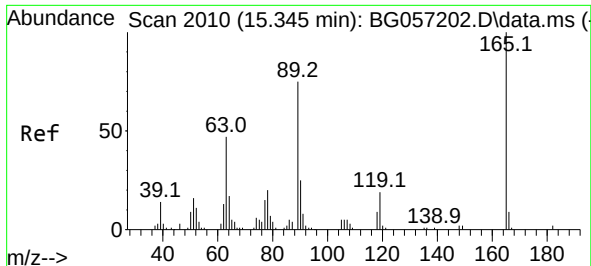
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#56
4-Nitrophenol
Concen: 6.055 ng
RT: 15.195 min Scan# 1984
Delta R.T. 0.011 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

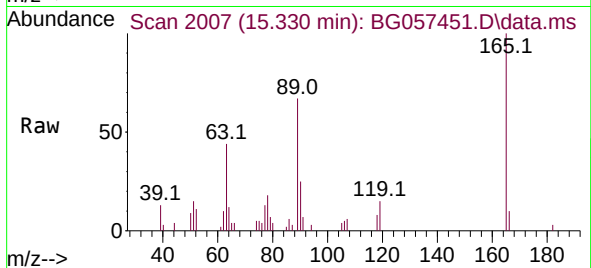
Tgt Ion:139 Resp: 3394
Ion Ratio Lower Upper
139 100
109 116.5 86.6 126.6
65 106.5 102.6 142.6





#57
2,4-Dinitrotoluene
Concen: 7.436 ng
RT: 15.330 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

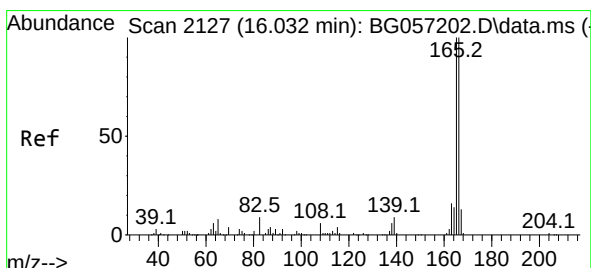
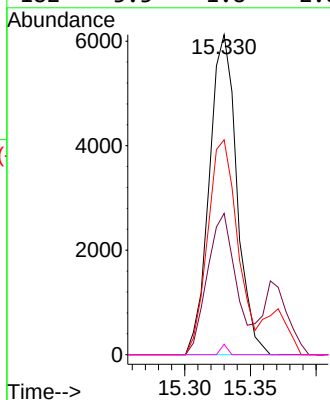
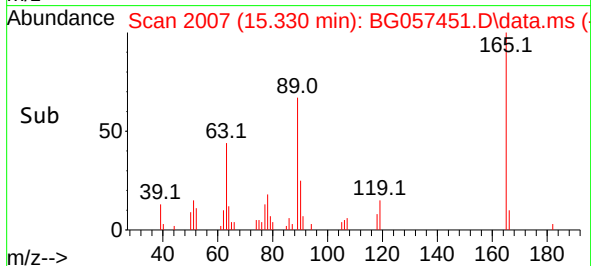
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:165 Resp: 8940
Ion Ratio Lower Upper
165 100
63 44.1 37.5 56.3
89 67.2 60.2 90.4
182 3.3 1.8 2.8#

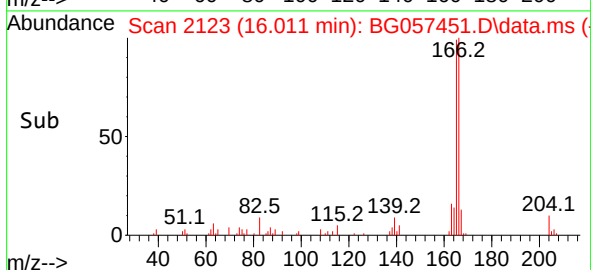
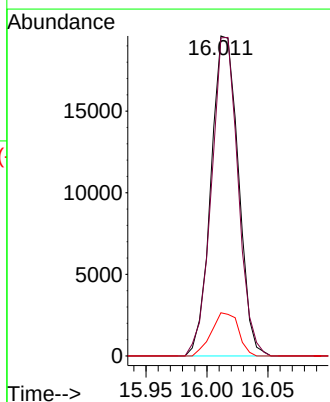
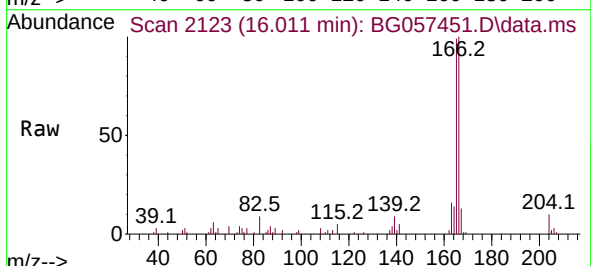
Manual Integrations
APPROVED

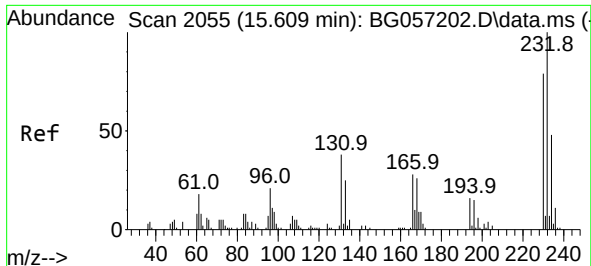
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#58
Fluorene
Concen: 7.879 ng
RT: 16.011 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

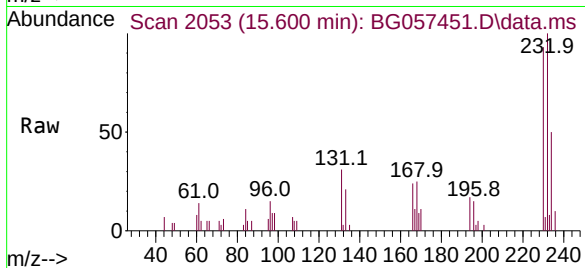
Tgt Ion:166 Resp: 30627
Ion Ratio Lower Upper
166 100
165 99.4 80.1 120.1
167 13.5 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.305 ng
RT: 15.600 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

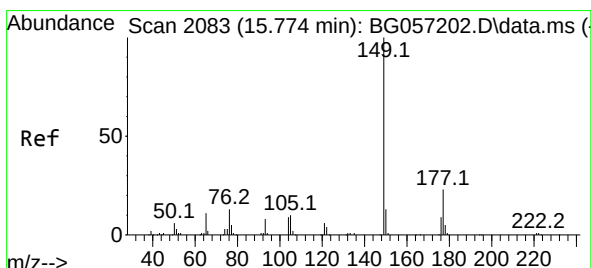
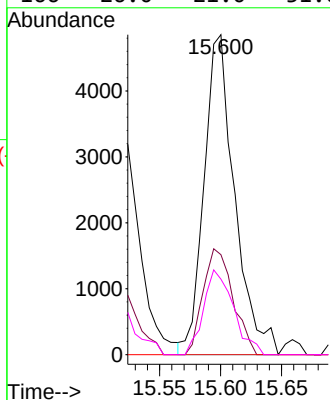
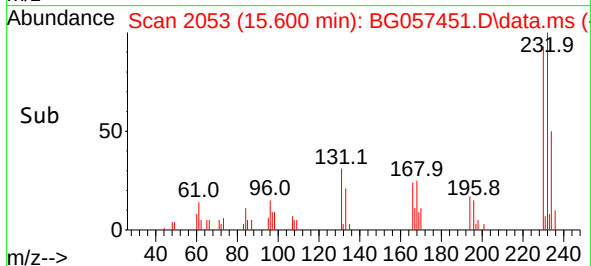
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



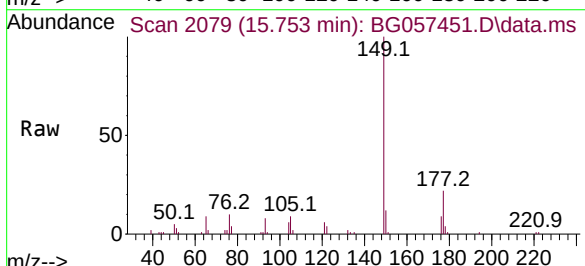
Tgt Ion:232 Resp: 844
Ion Ratio Lower Upper
232 100
131 32.4 28.6 42.8
130 0.0 1.6 2.4
166 26.0 21.0 31.6

Manual Integrations
APPROVED

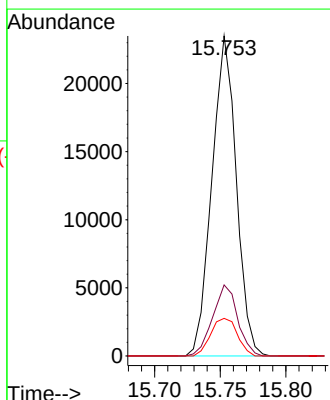
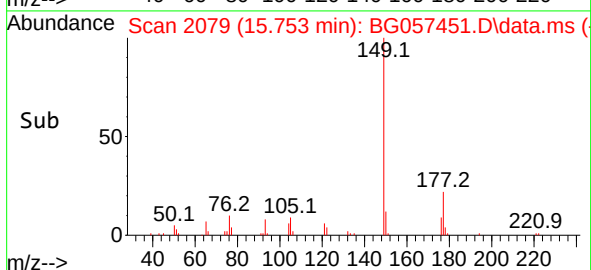
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

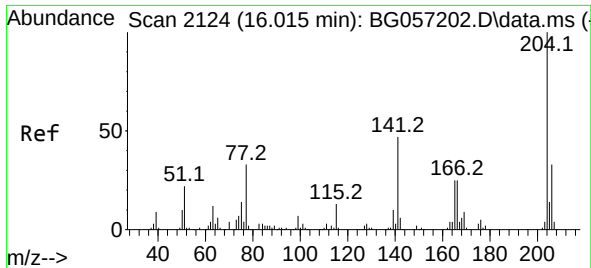


#60
Diethylphthalate
Concen: 7.244 ng
RT: 15.753 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion:149 Resp: 30312
Ion Ratio Lower Upper
149 100
177 22.2 18.3 27.5
150 11.7 10.1 15.1





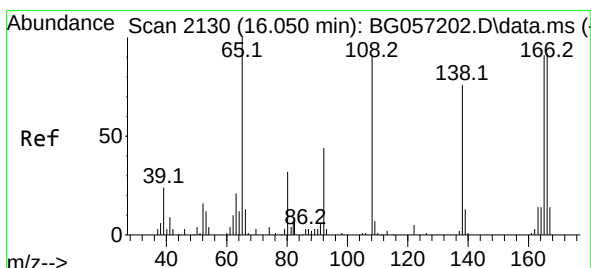
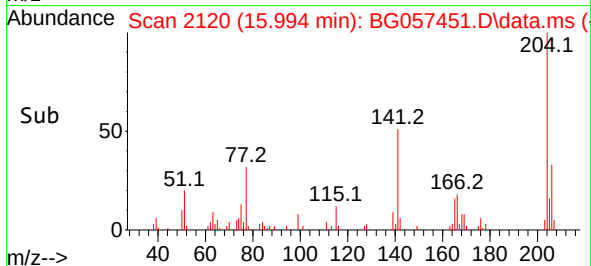
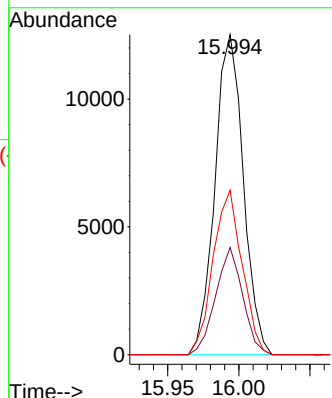
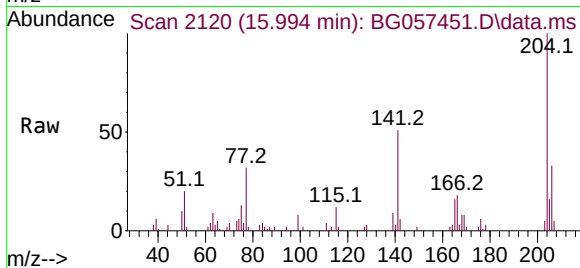
#61
4-Chlorophenyl-phenylether
Concen: 7.427 ng
RT: 15.994 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:204 Resp: 1739
Ion Ratio Lower Upper
204 100
206 33.5 26.5 39.7
141 51.4 37.4 56.0

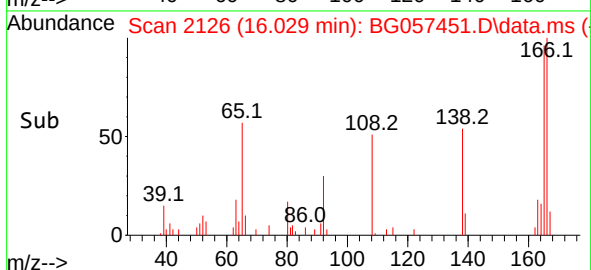
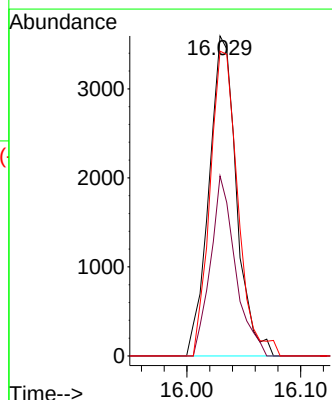
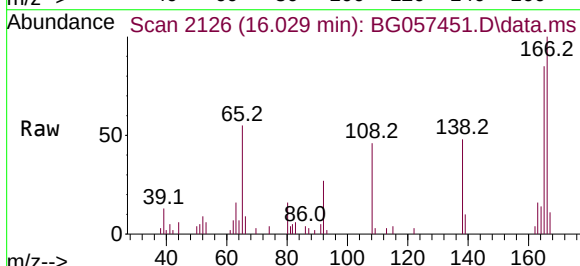
Manual Integrations
APPROVED

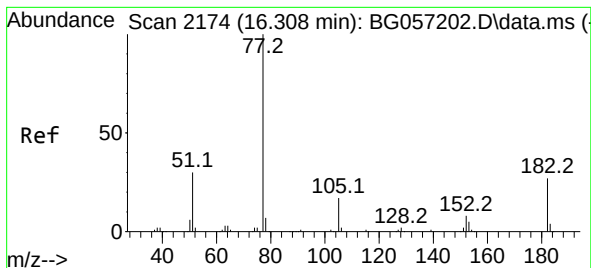
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#62
4-Nitroaniline
Concen: 7.110 ng
RT: 16.029 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:138 Resp: 6045
Ion Ratio Lower Upper
138 100
92 56.3 38.2 78.2
108 95.3 99.6 139.6#





#63

Azobenzene

Concen: 6.802 ng

RT: 16.288 min Scan# 2174

Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

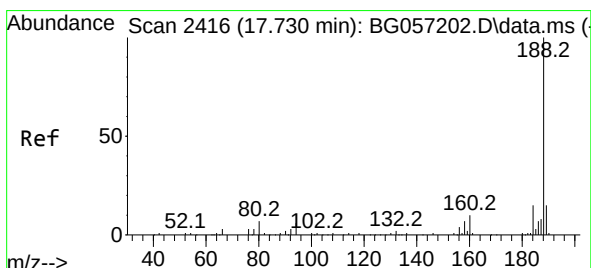
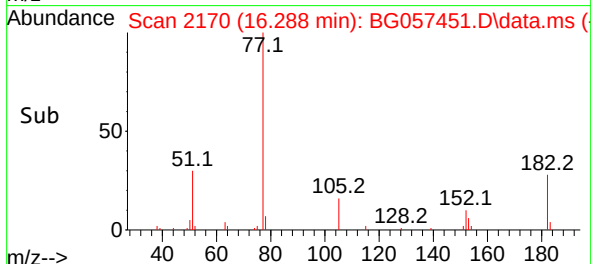
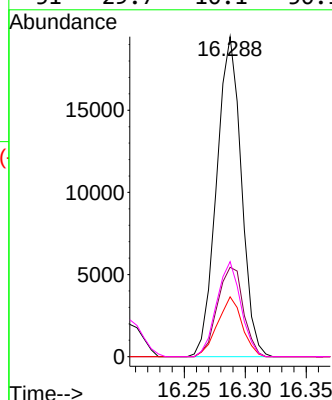
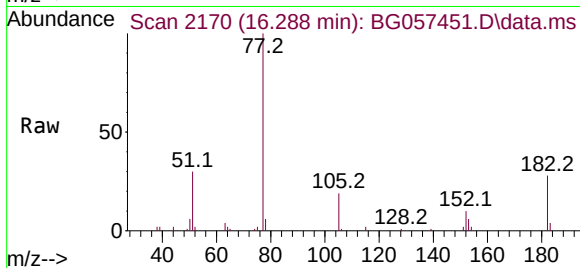
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 77	Resp: 2745
Ion Ratio	Lower Upper
77 100	
182 28.0	7.4 47.4
105 18.7	0.0 37.2
51 29.7	10.1 50.1

Manual Integrations

APPROVED

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



#64

Phenanthrene-d10

Concen: 20.000 ng

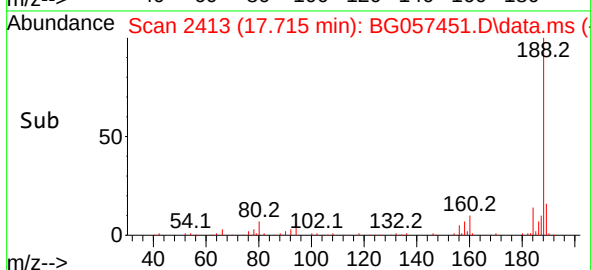
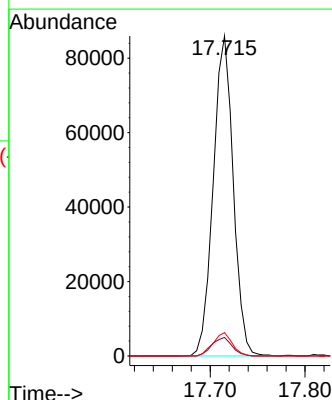
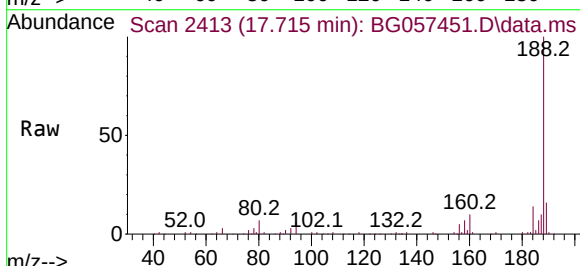
RT: 17.715 min Scan# 2413

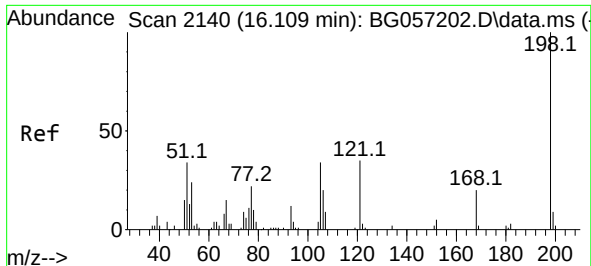
Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

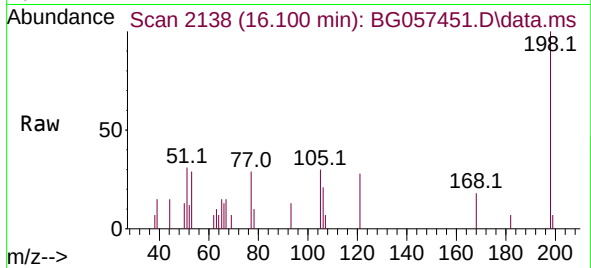
Tgt Ion:188	Resp: 125916
Ion Ratio	Lower Upper
188 100	
94 5.8	5.1 7.7
80 7.3	5.7 8.5





#65
4,6-Dinitro-2-methylphenol
Concen: 5.983 ng
RT: 16.100 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

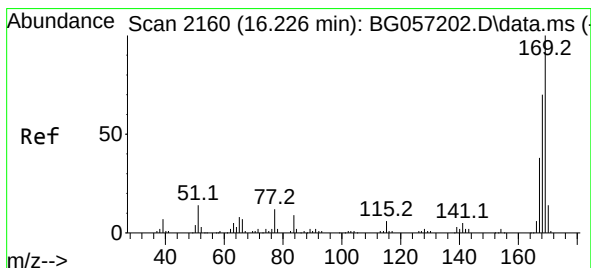
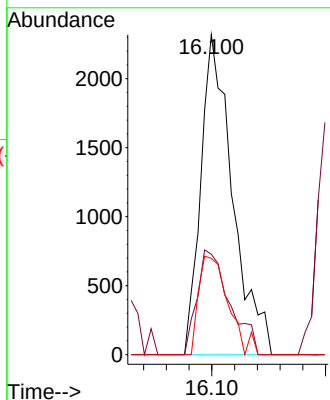
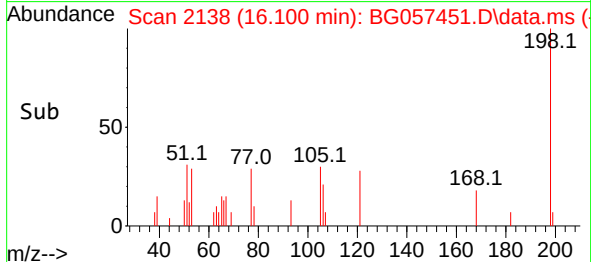
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



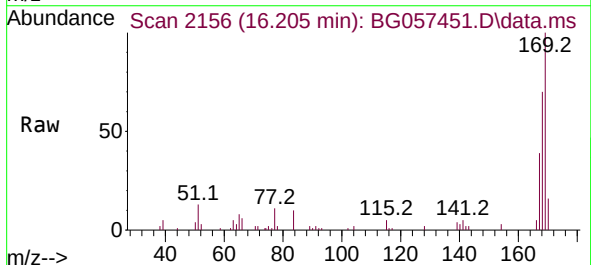
Tgt Ion:198 Resp: 4498
Ion Ratio Lower Upper
198 100
51 31.4 16.1 56.1
105 30.1 14.0 54.0

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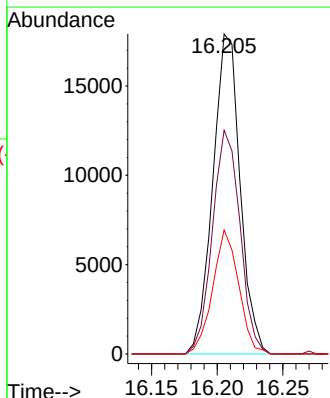
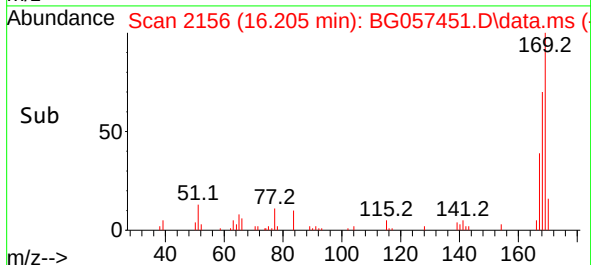
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

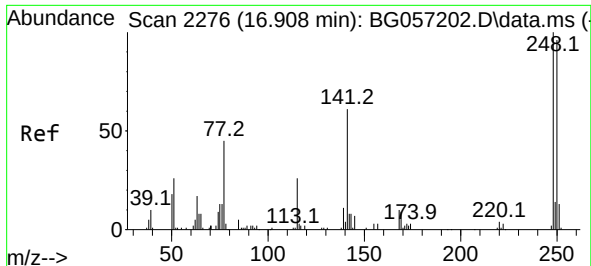


#66
n-Nitrosodiphenylamine
Concen: 7.558 ng
RT: 16.205 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion:169 Resp: 25848
Ion Ratio Lower Upper
169 100
168 69.9 56.2 84.4
167 38.8 30.2 45.4





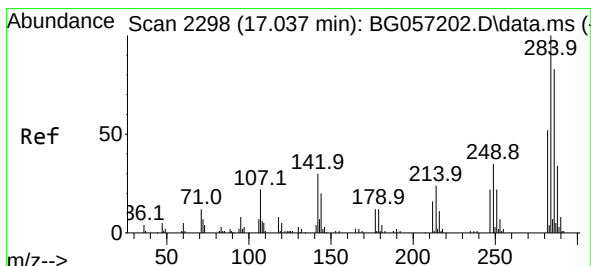
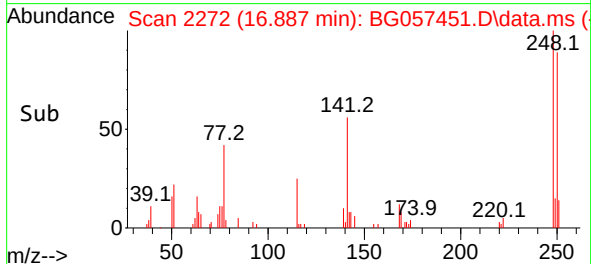
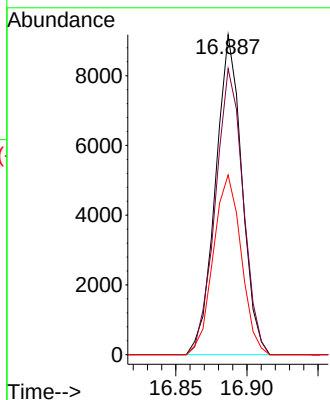
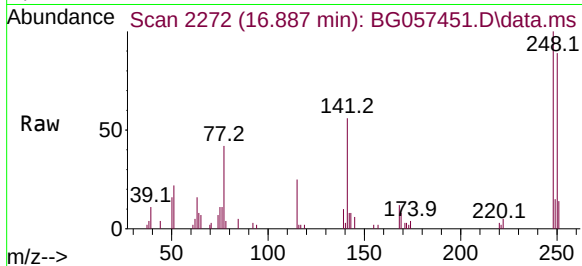
#67
4-Bromophenyl-phenylether
Concen: 7.703 ng
RT: 16.887 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:248 Resp: 11840
Ion Ratio Lower Upper
248 100
250 89.4 77.0 115.6
141 56.1 48.6 72.8

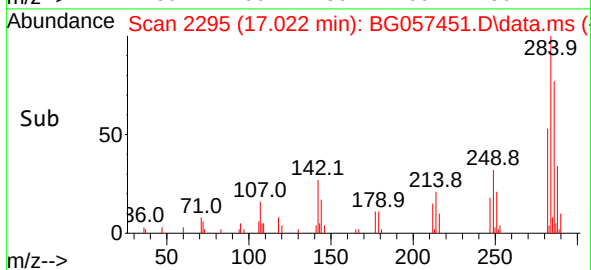
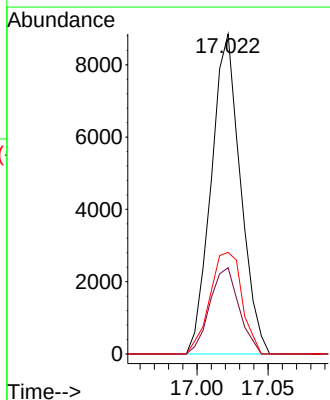
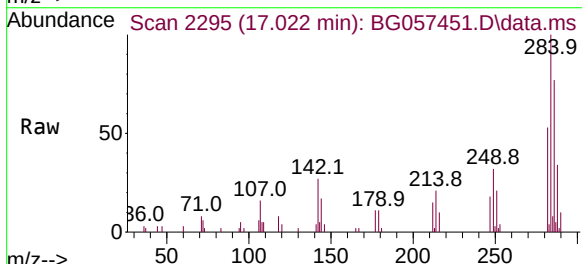
Manual Integrations
APPROVED

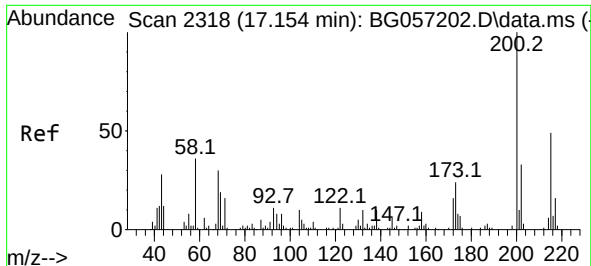
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#68
Hexachlorobenzene
Concen: 8.479 ng
RT: 17.022 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

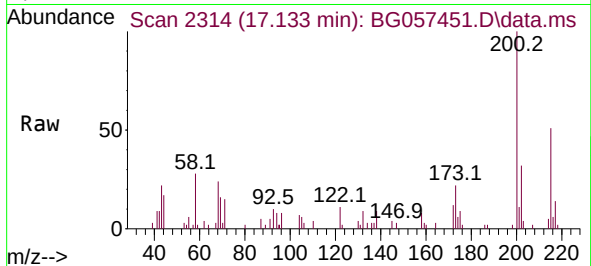
Tgt Ion:284 Resp: 12665
Ion Ratio Lower Upper
284 100
142 27.0 23.9 35.9
249 31.7 27.7 41.5





#69
 Atrazine
 Concen: 8.713 ng
 RT: 17.133 min Scan# 2136
 Delta R.T. -0.012 min
 Lab File: BG057451.D
 Acq: 17 May 2023 19:30

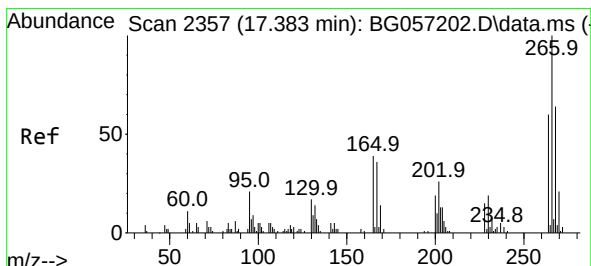
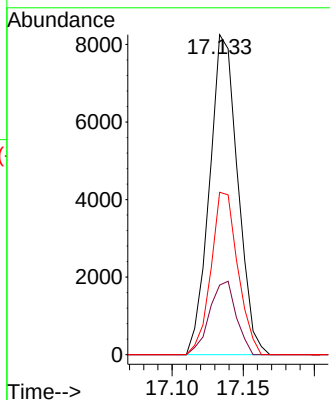
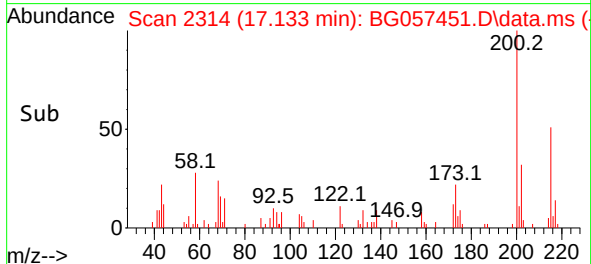
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023



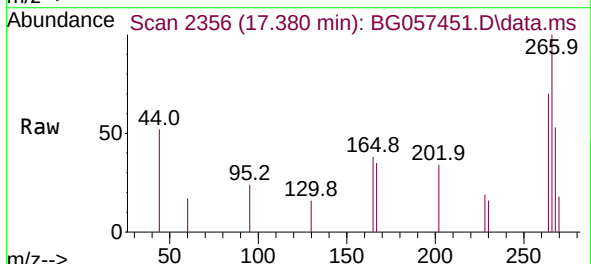
Tgt Ion:200 Resp: 1136
 Ion Ratio Lower Upper
 200 100
 173 21.8 4.3 44.3
 215 50.7 29.3 69.3

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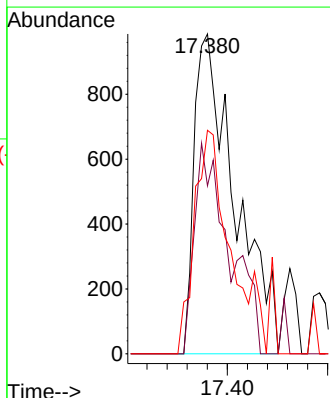
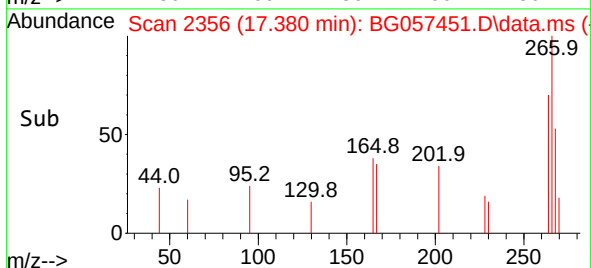
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

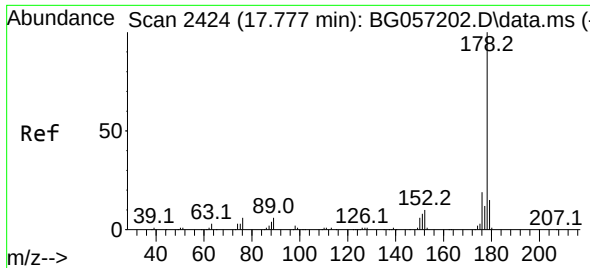


#70
 Pentachlorophenol
 Concen: 3.239 ng
 RT: 17.380 min Scan# 2356
 Delta R.T. 0.005 min
 Lab File: BG057451.D
 Acq: 17 May 2023 19:30



Tgt Ion:266 Resp: 2788
 Ion Ratio Lower Upper
 266 100
 268 52.5 51.0 76.6
 264 69.9 47.8 71.6





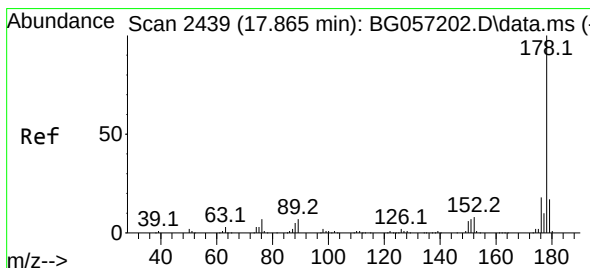
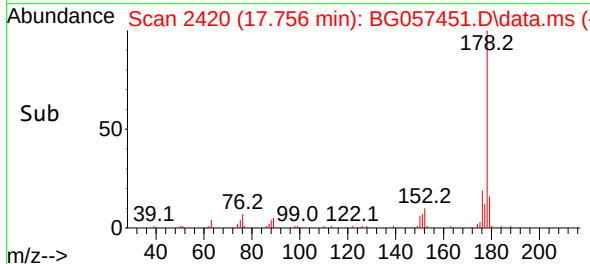
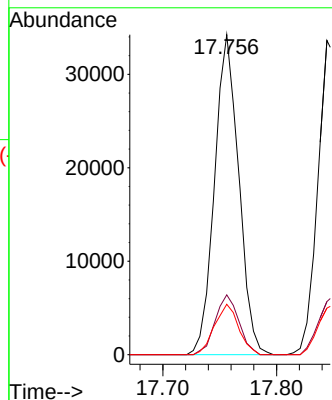
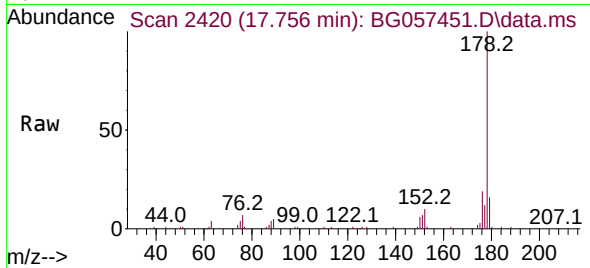
#71
Phenanthrene
Concen: 7.837 ng
RT: 17.756 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:178 Resp: 5056
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.7 12.3 18.5

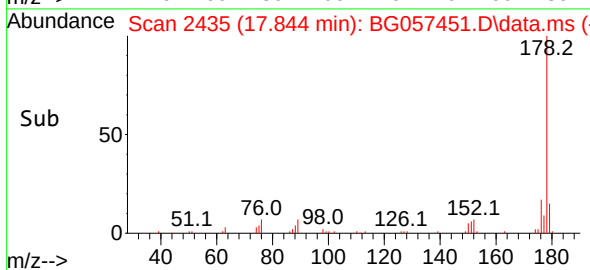
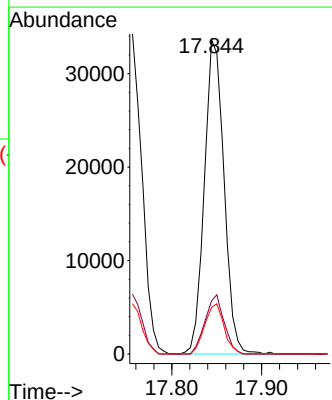
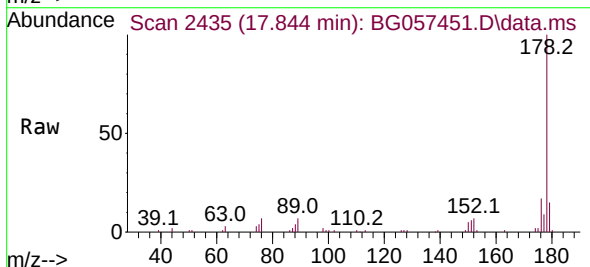
Manual Integrations
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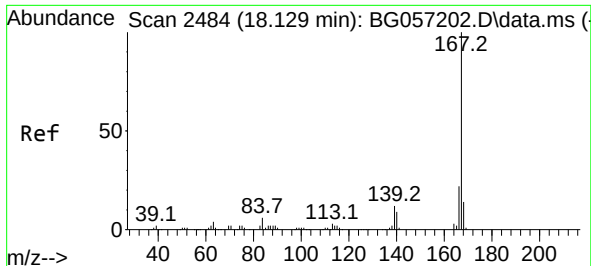
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#72
Anthracene
Concen: 7.722 ng
RT: 17.844 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:178 Resp: 51125
Ion Ratio Lower Upper
178 100
176 16.9 14.7 22.1
179 14.8 13.2 19.8





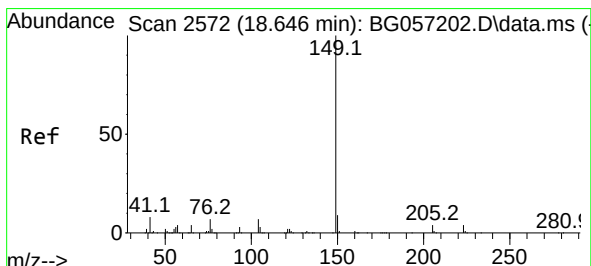
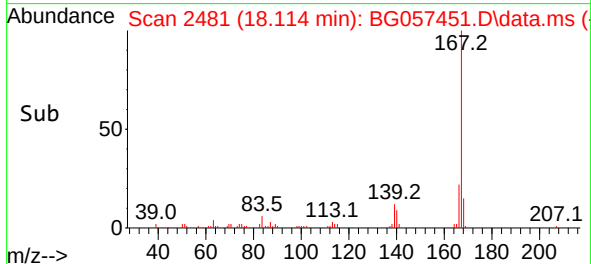
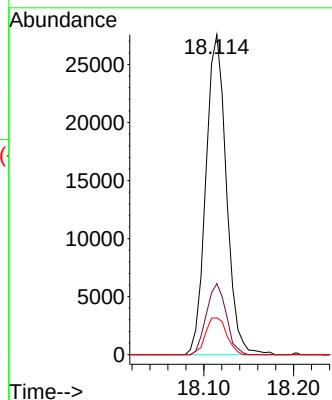
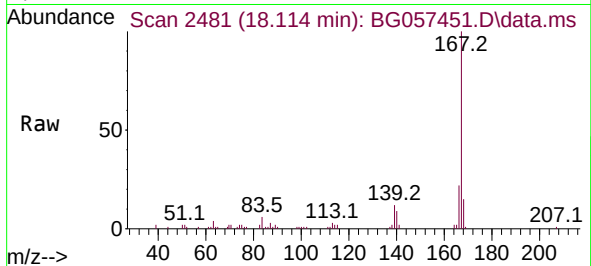
#73
Carbazole
Concen: 7.829 ng
RT: 18.114 min Scan# 2481
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:167 Resp: 43638
Ion Ratio Lower Upper
167 100
166 22.2 17.4 26.0
139 11.5 9.6 14.4

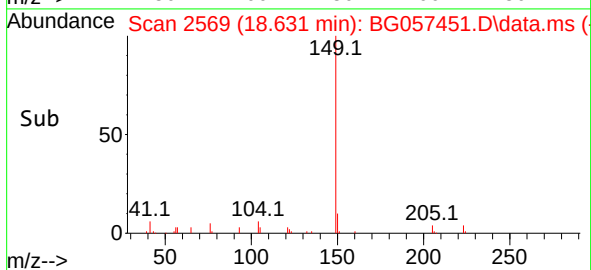
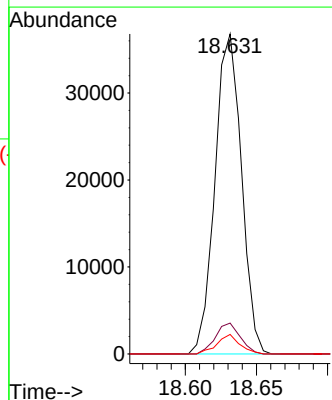
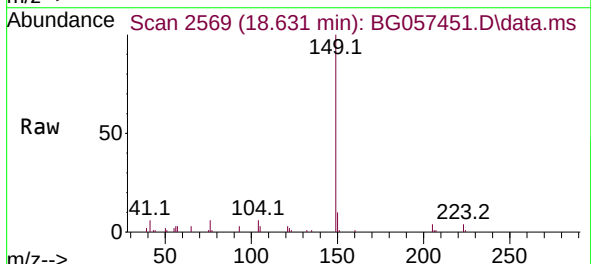
Manual Integrations
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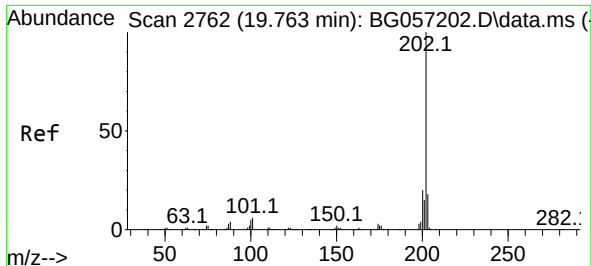
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#74
Di-n-butylphthalate
Concen: 7.424 ng
RT: 18.631 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:149 Resp: 47605
Ion Ratio Lower Upper
149 100
150 9.7 7.3 10.9
104 6.1 5.4 8.2





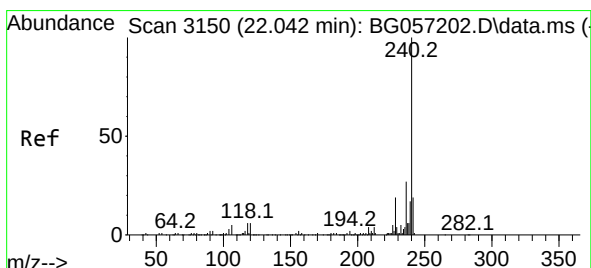
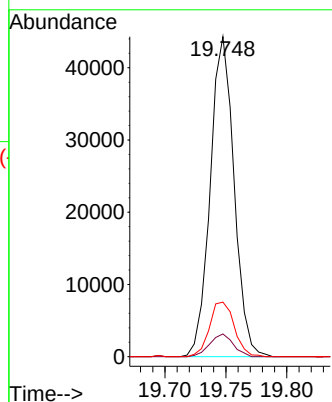
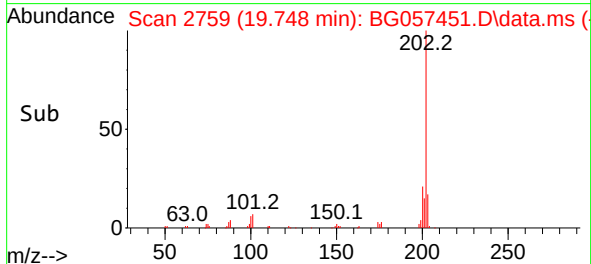
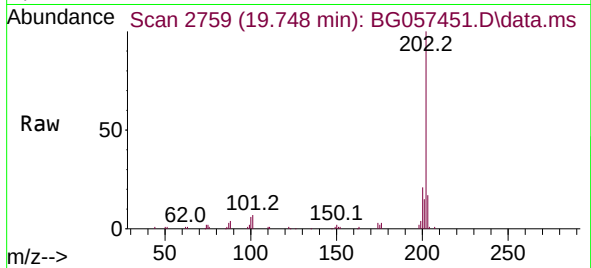
#75
Fluoranthene
Concen: 7.509 ng
RT: 19.748 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:202 Resp: 6026
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.2
203 17.1 0.0 37.9

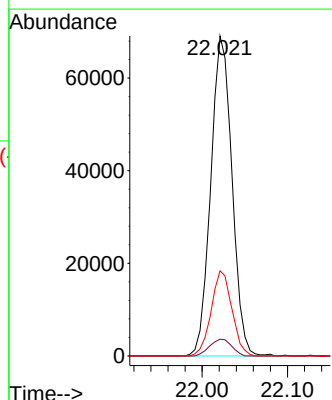
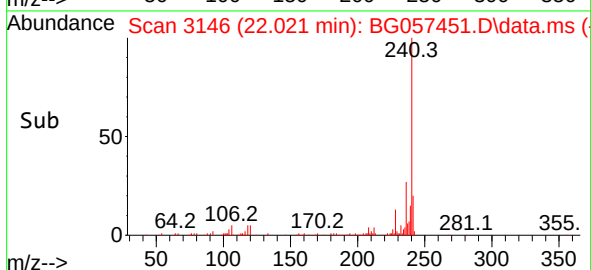
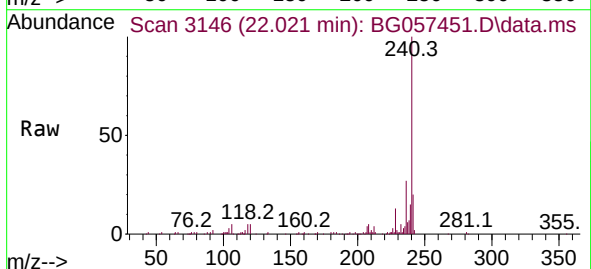
Manual Integrations
APPROVED

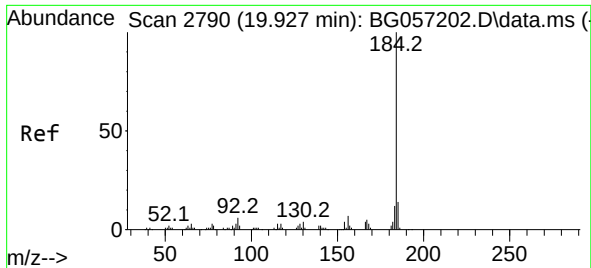
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.021 min Scan# 3146
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

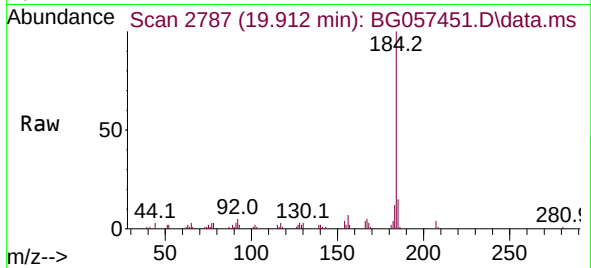
Tgt Ion:240 Resp: 119355
Ion Ratio Lower Upper
240 100
120 5.3 4.9 7.3
236 26.6 21.4 32.2





#77
Benzidine
Concen: 11.850 ng
RT: 19.912 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

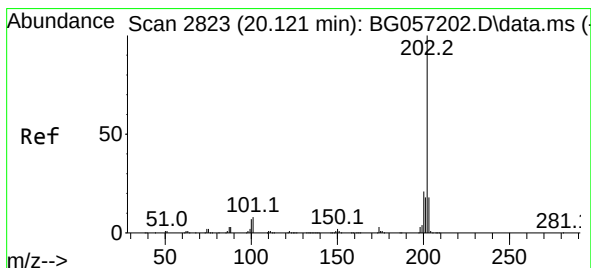
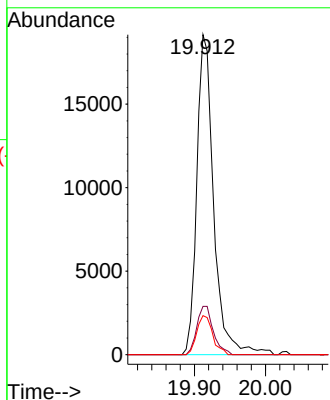
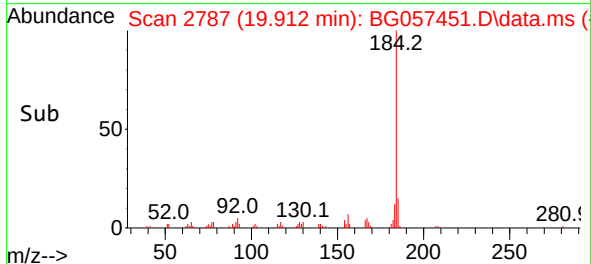
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



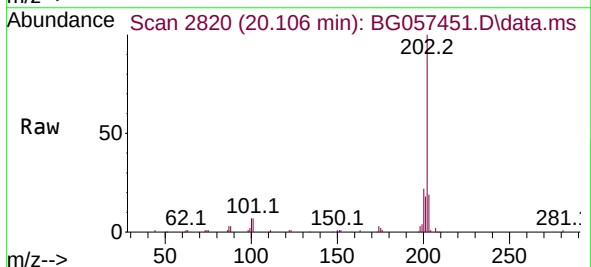
Tgt Ion:184 Resp: 31619
Ion Ratio Lower Upper
184 100
185 15.1 11.1 16.7
183 12.2 9.9 14.9

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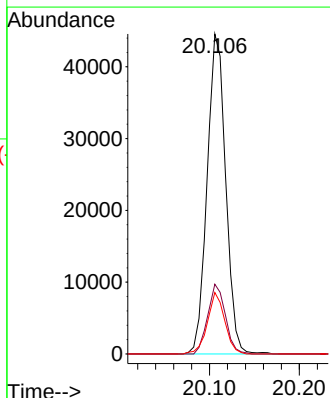
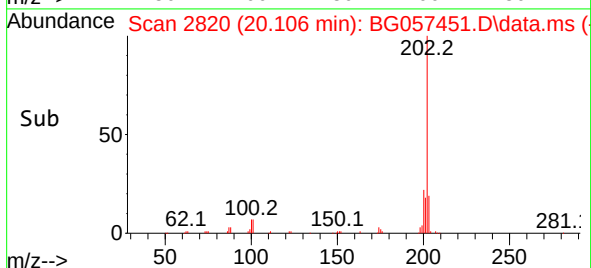
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

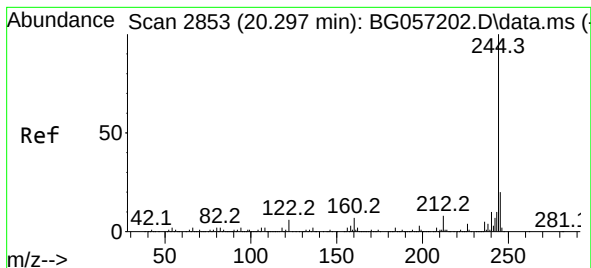


#78
Pyrene
Concen: 7.370 ng
RT: 20.106 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion:202 Resp: 63917
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.4
203 19.2 14.2 21.4





#79

Terphenyl-d14

Concen: 72.504 ng

RT: 20.282 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG057451.D

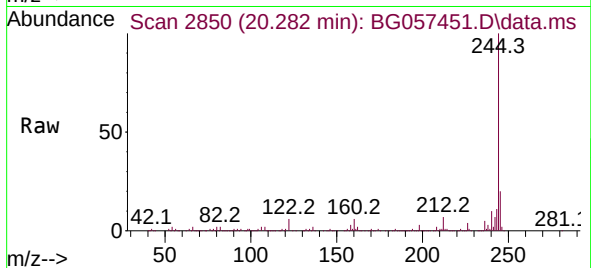
Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023



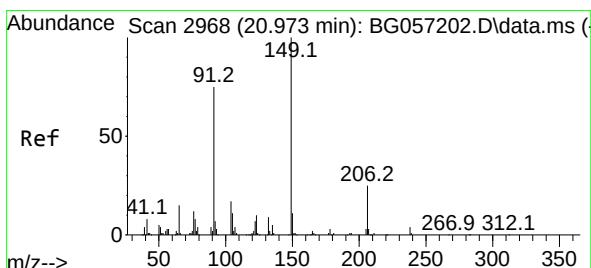
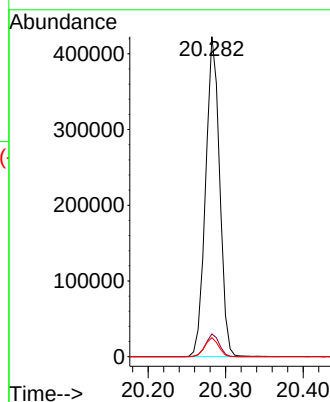
Tgt Ion:244 Resp: 53027

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.0	5.1	7.7

Manual Integrations

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



#80

Butylbenzylphthalate

Concen: 7.342 ng

RT: 20.958 min Scan# 2965

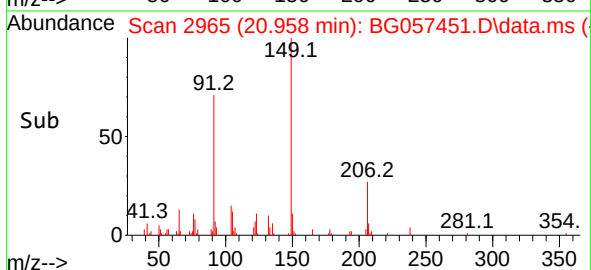
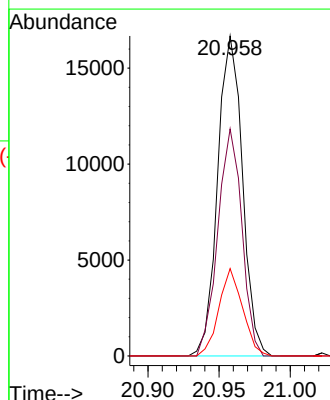
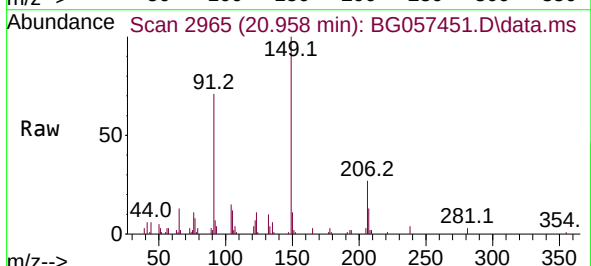
Delta R.T. -0.006 min

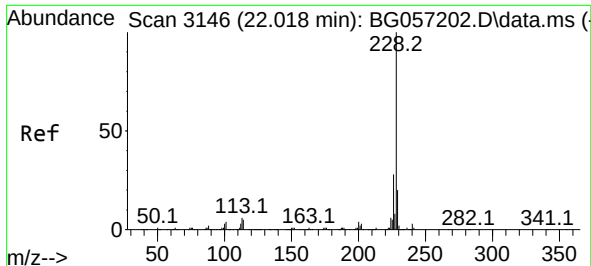
Lab File: BG057451.D

Acq: 17 May 2023 19:30

Tgt Ion:149 Resp: 20204

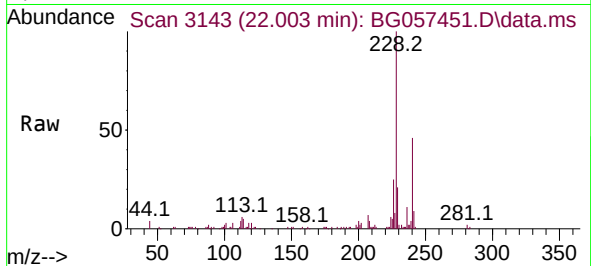
Ion	Ratio	Lower	Upper
149	100		
91	70.9	59.7	89.5
206	27.3	19.7	29.5





#81
Benzo(a)anthracene
Concen: 7.549 ng
RT: 22.003 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

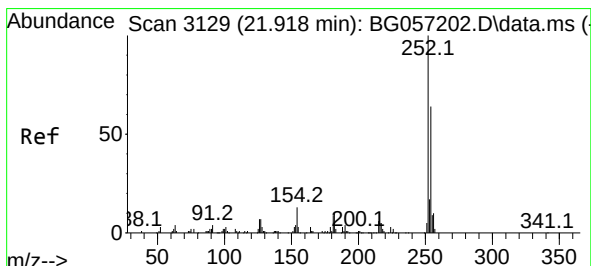
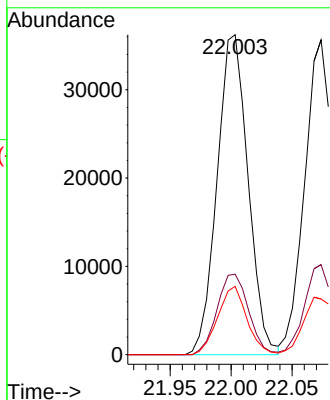
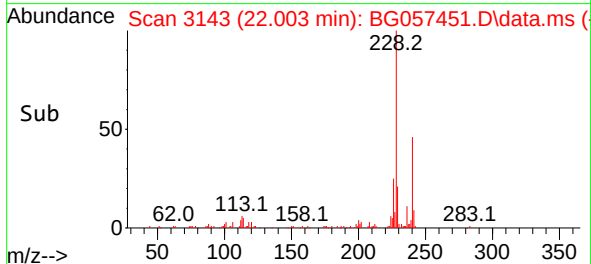
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:228 Resp: 6419
Ion Ratio Lower Upper
228 100
226 25.1 22.0 33.0
229 21.3 15.8 23.8

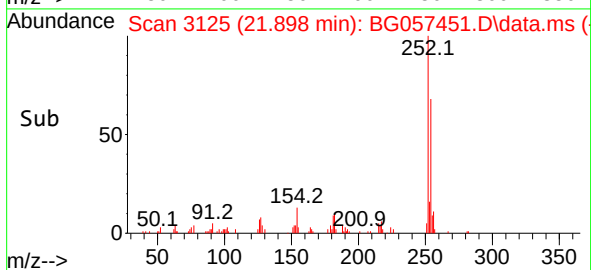
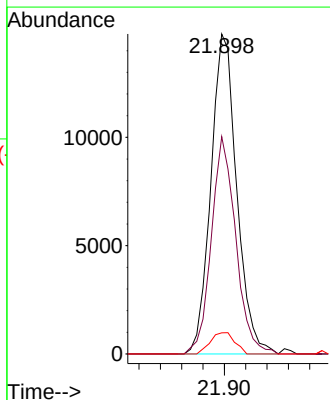
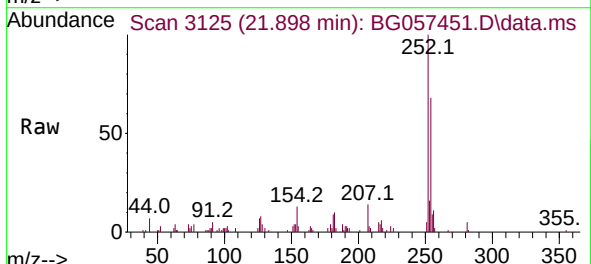
Manual Integrations
APPROVED

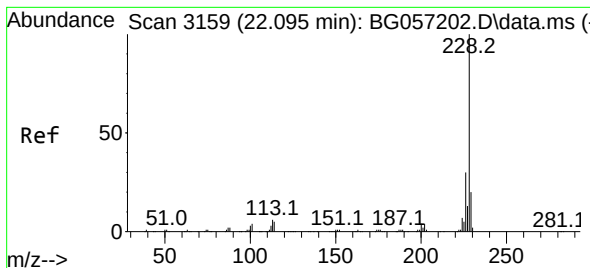
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#82
3,3'-Dichlorobenzidine
Concen: 9.125 ng
RT: 21.898 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

Tgt Ion:252 Resp: 24853
Ion Ratio Lower Upper
252 100
254 67.9 51.4 77.0
126 6.6 5.9 8.9





#83

Chrysene

Concen: 7.605 ng

RT: 22.074 min Scan# 3155

Delta R.T. -0.006 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

Instrument :

BNA_G

ClientSampleId :

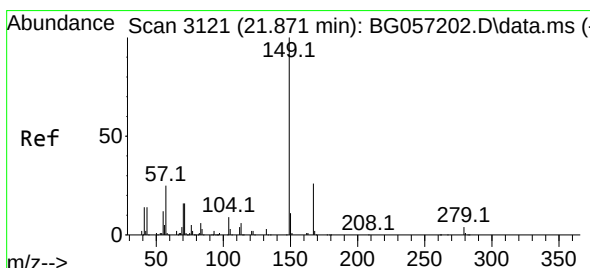
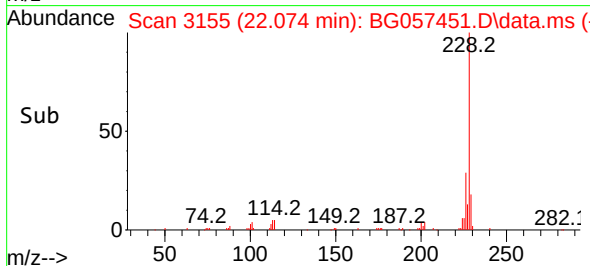
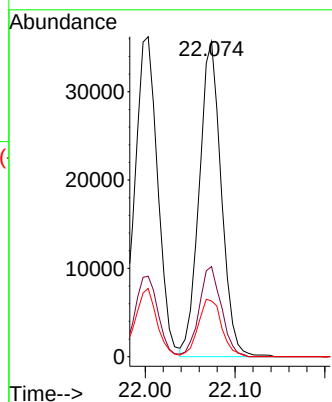
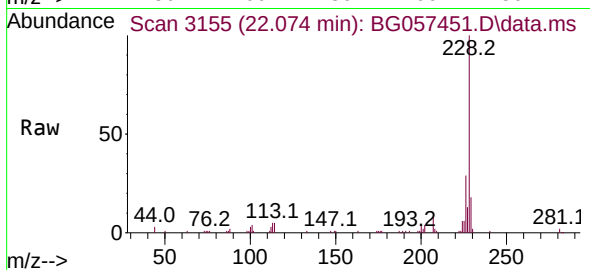
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	228	Resp:	6085
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.3	36.5
229	17.7	15.9	23.9

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.102 ng

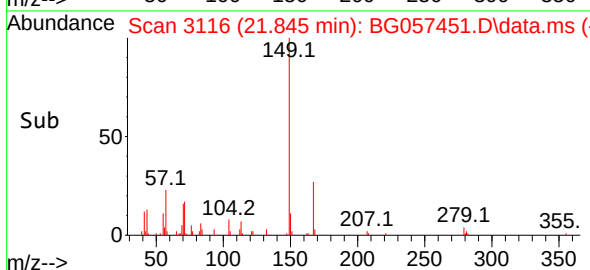
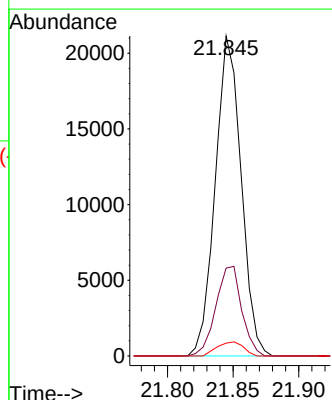
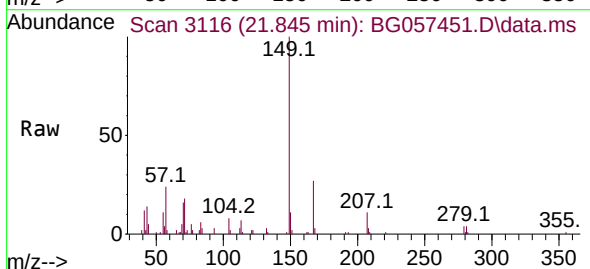
RT: 21.845 min Scan# 3116

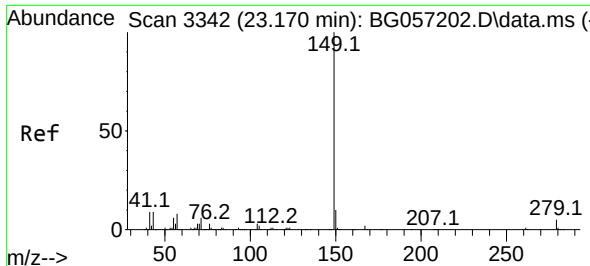
Delta R.T. -0.012 min

Lab File: BG057451.D

Acq: 17 May 2023 19:30

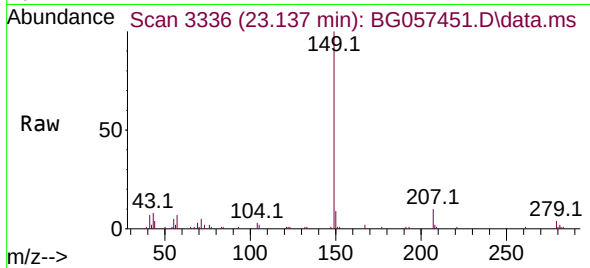
Tgt Ion:	149	Resp:	28917
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.2	31.8
279	4.0	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 7.524 ng
RT: 23.137 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

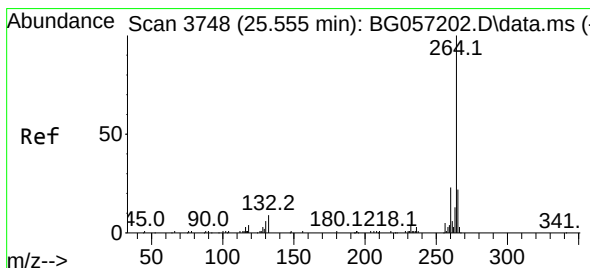
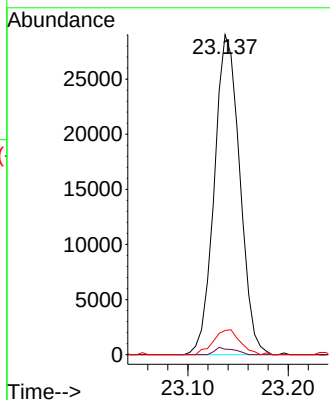
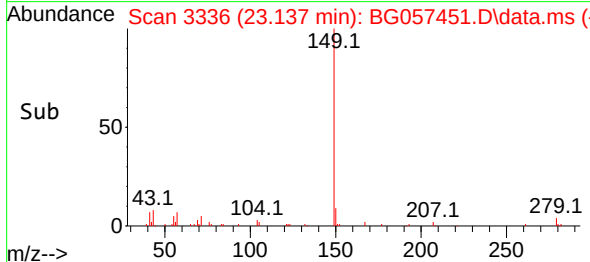
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:149 Resp: 5107
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.2 7.8 11.8

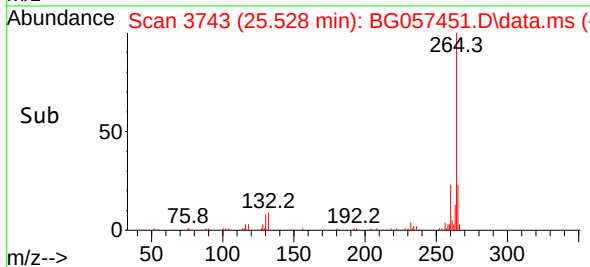
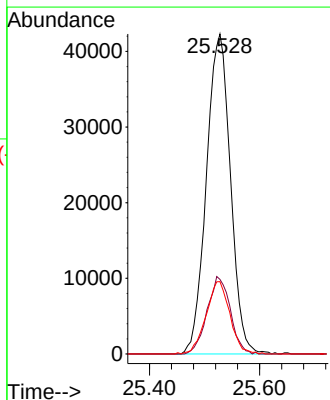
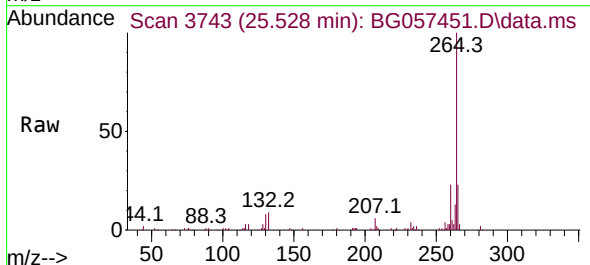
Manual Integrations
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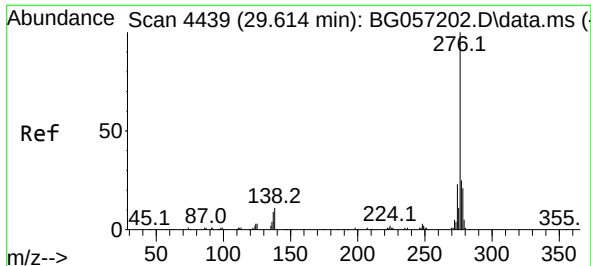
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.528 min Scan# 3743
Delta R.T. -0.006 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

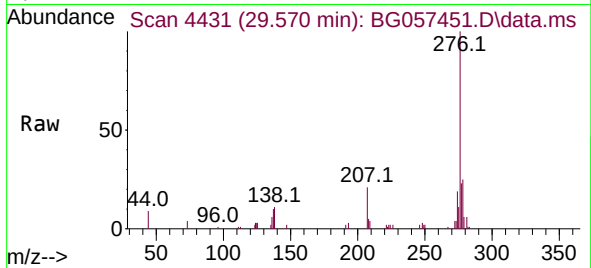
Tgt Ion:264 Resp: 128513
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.6 17.9 26.9





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.327 ng
 RT: 29.570 min Scan# 4439
 Delta R.T. -0.030 min
 Lab File: BG057451.D
 Acq: 17 May 2023 19:30

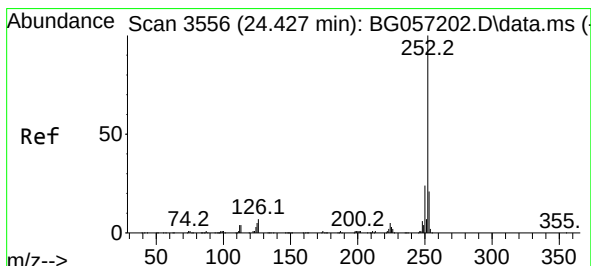
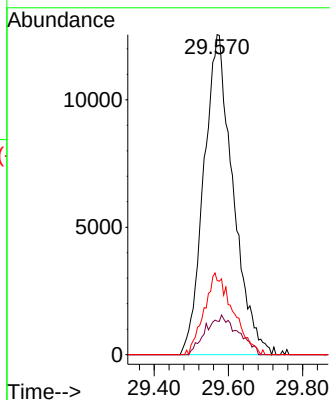
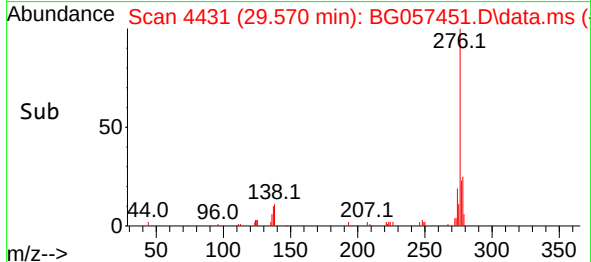
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023



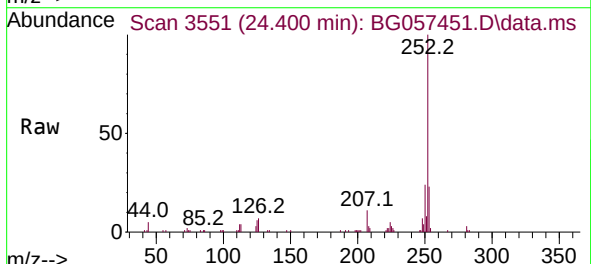
Tgt Ion:276 Resp: 6862
 Ion Ratio Lower Upper
 276 100
 138 13.6 5.4 8.0
 277 25.2 20.6 30.8

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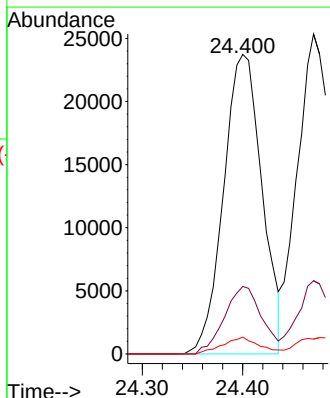
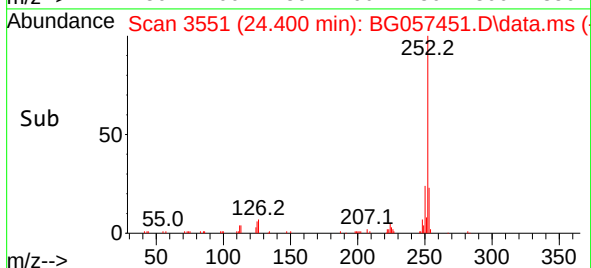
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

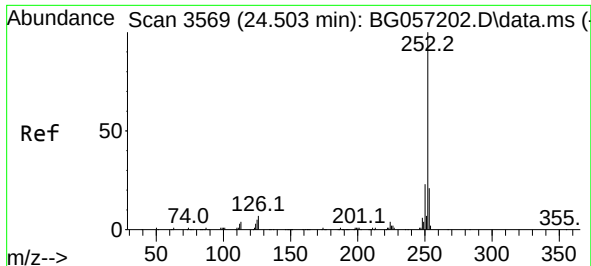


#88
 Benzo(b)fluoranthene
 Concen: 7.518 ng
 RT: 24.400 min Scan# 3551
 Delta R.T. -0.012 min
 Lab File: BG057451.D
 Acq: 17 May 2023 19:30



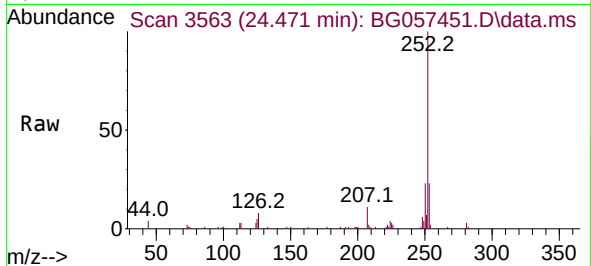
Tgt Ion:252 Resp: 63155
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.0 25.6
 125 5.6 4.2 6.2





#89
Benzo(k)fluoranthene
Concen: 7.487 ng
RT: 24.471 min Scan# 3114
Delta R.T. -0.018 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

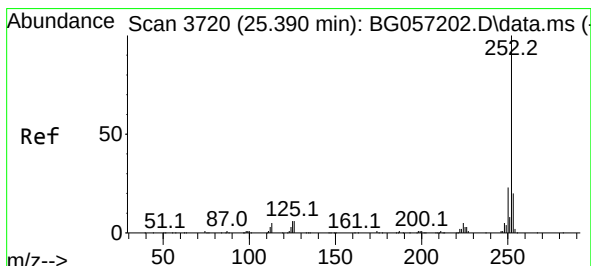
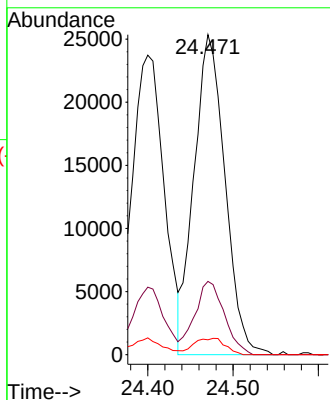
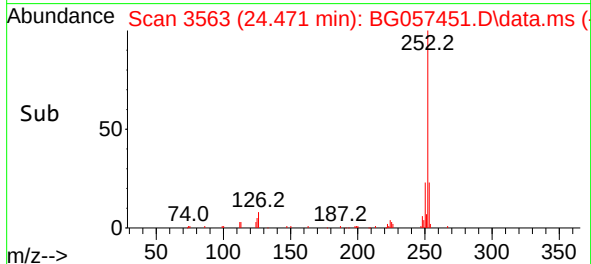
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



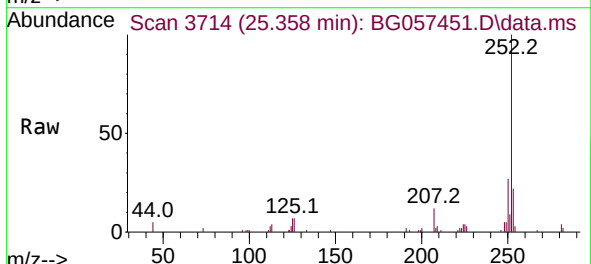
Tgt Ion:252 Resp: 63912
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 4.6 4.1 6.1

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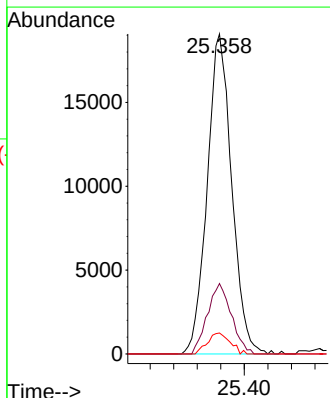
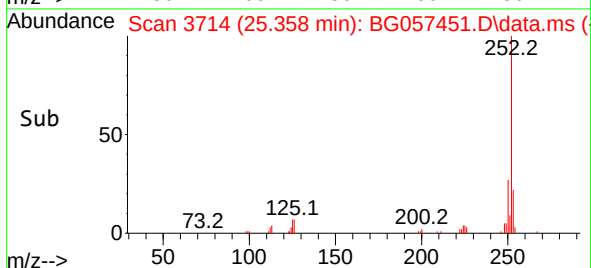
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

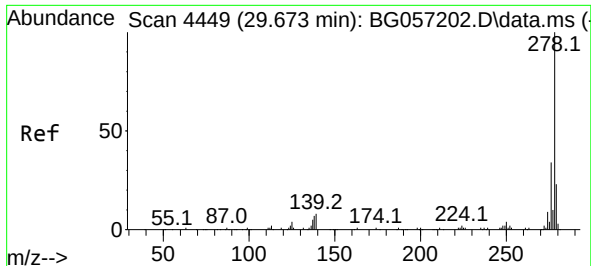


#90
Benzo(a)pyrene
Concen: 6.727 ng
RT: 25.358 min Scan# 3714
Delta R.T. -0.018 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



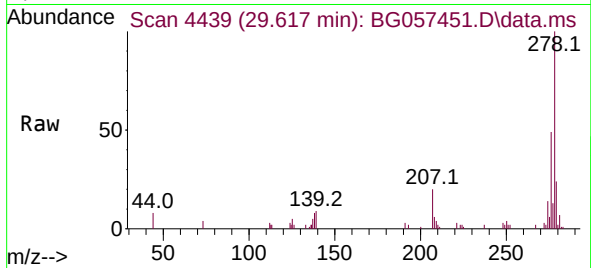
Tgt Ion:252 Resp: 55212
Ion Ratio Lower Upper
252 100
253 22.0 16.3 24.5
125 6.5 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 7.320 ng
RT: 29.617 min Scan# 4449
Delta R.T. -0.036 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30

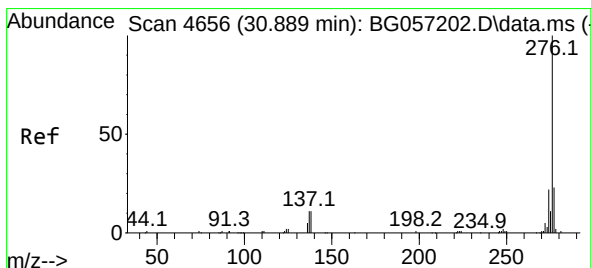
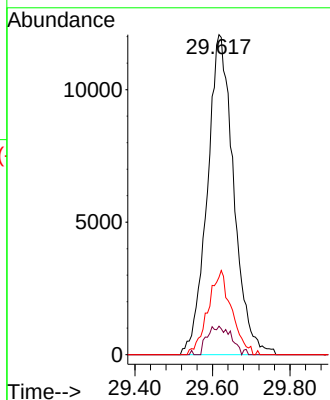
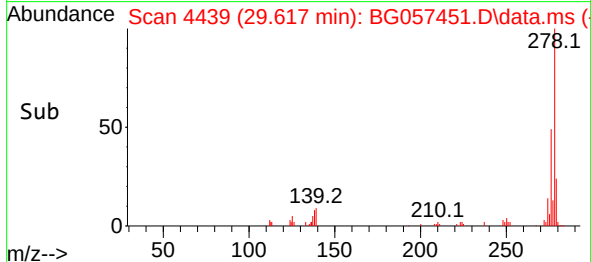
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



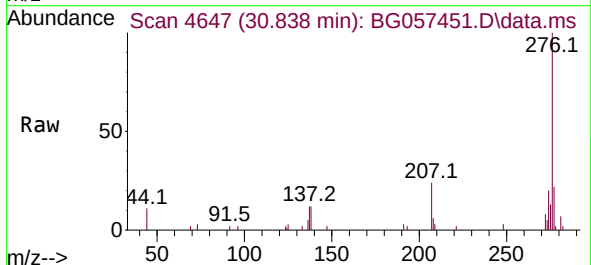
Tgt Ion: 278 Resp: 57090
Ion Ratio Lower Upper
278 100
139 8.9 6.2 9.2
279 24.2 18.6 27.8

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



#92
Benzo(g,h,i)perylene
Concen: 7.432 ng
RT: 30.838 min Scan# 4647
Delta R.T. -0.036 min
Lab File: BG057451.D
Acq: 17 May 2023 19:30



Tgt Ion: 276 Resp: 56607
Ion Ratio Lower Upper
276 100
277 21.9 18.4 27.6
138 12.4 9.0 13.4

