

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
 Data File : BG063158.D
 Acq On : 4 Nov 2024 16:55
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Nov 04 17:34:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 01 05:13:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	91670	20.000	ng	0.00
21) Naphthalene-d8	10.632	136	351543	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	278217	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	675618	20.000	ng	0.00
76) Chrysene-d12	21.473	240	854130	20.000	ng	-0.01
86) Perylene-d12	24.504	264	948511	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	733826	124.129	ng	0.00
7) Phenol-d6	7.013	99	1003569	129.543	ng	-0.01
23) Nitrobenzene-d5	8.993	82	774063	95.767	ng	-0.01
42) 2,4,6-Tribromophenol	15.967	330	616089	130.364	ng	0.00
45) 2-Fluorobiphenyl	13.094	172	1713087	91.198	ng	0.00
79) Terphenyl-d14	19.857	244	3472236	83.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.353	88	12548	5.402	ng	91
3) Pyridine	3.746	79	25098	4.476	ng	97
4) n-Nitrosodimethylamine	3.664	42	15292	4.390	ng	# 89
6) Aniline	7.172	93	37445	5.375	ng	# 86
8) 2-Chlorophenol	7.407	128	25756	4.691	ng	89
9) Benzaldehyde	6.990	77	30161	6.265	ng	91
10) Phenol	7.037	94	35724	4.304	ng	85
11) bis(2-Chloroethyl)ether	7.266	93	25014	4.469	ng	91
12) 1,3-Dichlorobenzene	7.730	146	28710	4.310	ng	97
13) 1,4-Dichlorobenzene	7.877	146	29045	4.277	ng	96
14) 1,2-Dichlorobenzene	8.194	146	28450	4.347	ng	91
15) Benzyl Alcohol	8.076	79	26469	4.252	ng	# 82
16) 2,2'-oxybis(1-Chloropr...	8.359	45	47658	4.694	ng	96
17) 2-Methylphenol	8.288	107	21083	3.993	ng	# 86
18) Hexachloroethane	8.923	117	8924	3.672	ng	# 80
19) n-Nitroso-di-n-propyla...	8.641	70	25301	4.690	ng	# 92
20) 3+4-Methylphenols	8.611	107	31622	4.491	ng	89
22) Acetophenone	8.658	105	44580	4.732	ng	# 89
24) Nitrobenzene	9.034	77	37559	4.297	ng	# 95
25) Isophorone	9.557	82	62322	4.458	ng	# 92
26) 2-Nitrophenol	9.751	139	13245	4.121	ng	91
27) 2,4-Dimethylphenol	9.810	122	17723	4.485	ng	96
28) bis(2-Chloroethoxy)met...	10.039	93	33673	4.593	ng	97
29) 2,4-Dichlorophenol	10.280	162	25605	4.290	ng	# 78
30) 1,2,4-Trichlorobenzene	10.491	180	31488	4.289	ng	# 79
31) Naphthalene	10.679	128	83486	4.502	ng	# 94
33) 4-Chloroaniline	10.791	127	29030	4.639	ng	95
34) Hexachlorobutadiene	10.967	225	26430	4.375	ng	96
35) Caprolactam	11.525	113	8248	4.327	ng	# 83
36) 4-Chloro-3-methylphenol	11.919	107	27736	4.034	ng	# 95
37) 2-Methylnaphthalene	12.295	142	57705	4.387	ng	95
38) 1-Methylnaphthalene	12.512	142	54143	4.181	ng	# 94
40) 1,2,4,5-Tetrachloroben...	12.665	216	45394	4.541	ng	96
41) Hexachlorocyclopentadiene	12.642	237	10602	3.264	ng	82
43) 2,4,6-Trichlorophenol	12.906	196	22358	3.735	ng	92
44) 2,4,5-Trichlorophenol	12.983	196	26949	4.095	ng	# 80

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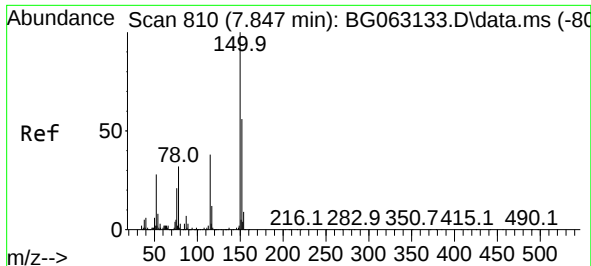
Quant Time: Nov 04 17:34:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
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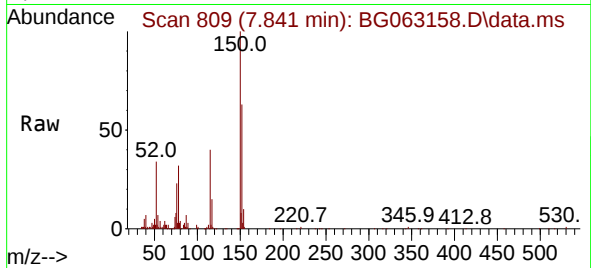
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.306	154	85781	4.543	ng	99
47) 2-Chloronaphthalene	13.347	162	68465	4.329	ng	93
48) 2-Nitroaniline	13.547	65	21268	3.832	ng #	83
49) Acenaphthylene	14.199	152	103084	4.617	ng	96
50) Dimethylphthalate	13.928	163	87481	4.412	ng	97
51) 2,6-Dinitrotoluene	14.052	165	15505	3.662	ng	84
52) Acenaphthene	14.540	154	59765	4.324	ng	94
53) 3-Nitroaniline	14.381	138	16625	4.136	ng	99
55) Dibenzofuran	14.874	168	107511	4.411	ng	98
56) 4-Nitrophenol	14.710	139	11600m	3.812	ng	
57) 2,4-Dinitrotoluene	14.845	165	24468	4.041	ng #	84
58) Fluorene	15.527	166	83955	4.347	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.109	232	22691	3.593	ng #	96
60) Diethylphthalate	15.297	149	85629	4.206	ng	94
61) 4-Chlorophenyl-phenyle...	15.521	204	51606	4.299	ng	95
62) 4-Nitroaniline	15.538	138	17258	3.892	ng #	80
63) Azobenzene	15.809	77	88617	4.208	ng	94
65) 4,6-Dinitro-2-methylph...	15.609	198	11580	2.666	ng	87
66) n-Nitrosodiphenylamine	15.732	169	81445	4.832	ng	92
67) 4-Bromophenyl-phenylether	16.420	248	37093	4.480	ng #	79
68) Hexachlorobenzene	16.537	284	42787	4.461	ng #	91
69) Atrazine	16.684	200	34996	4.517	ng	96
71) Phenanthrene	17.266	178	144311	4.406	ng	96
72) Anthracene	17.360	178	154049	4.792	ng	97
73) Carbazole	17.630	167	136818	4.521	ng	99
74) Di-n-butylphthalate	18.194	149	156492	4.555	ng	98
75) Fluoranthene	19.287	202	202409	4.366	ng	97
77) Benzidine	19.469	184	101820	7.737	ng	95
78) Pyrene	19.651	202	221285	4.370	ng	98
80) Butylbenzylphthalate	20.544	149	70357	4.313	ng	89
81) Benzo(a)anthracene	21.455	228	239354	4.450	ng	97
82) 3,3'-Dichlorobenzidine	21.379	252	86716	4.348	ng	94
83) Chrysene	21.520	228	218682	4.328	ng	95
84) Bis(2-ethylhexyl)phtha...	21.373	149	98032	4.142	ng	98
85) Di-n-octyl phthalate	22.518	149	160302	4.049	ng	99
87) Indeno(1,2,3-cd)pyrene	27.918	276	275883	4.334	ng #	97
88) Benzo(b)fluoranthene	23.547	252	224362	4.057	ng #	94
89) Benzo(k)fluoranthene	23.605	252	231667	4.391	ng	97
90) Benzo(a)pyrene	24.363	252	215573	4.466	ng	97
91) Dibenzo(a,h)anthracene	27.971	278	221021	4.159	ng	94
92) Benzo(g,h,i)perylene	28.981	276	203313	3.871	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.841 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

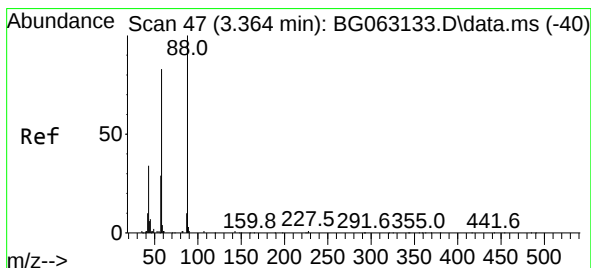
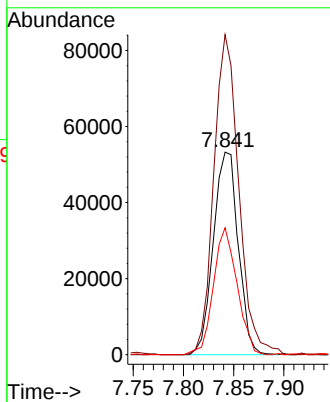
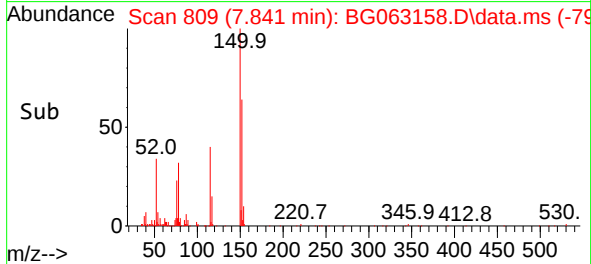
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:152 Resp: 91670
Ion Ratio Lower Upper
152 100
150 157.9 143.1 214.7
115 62.7 55.0 82.4

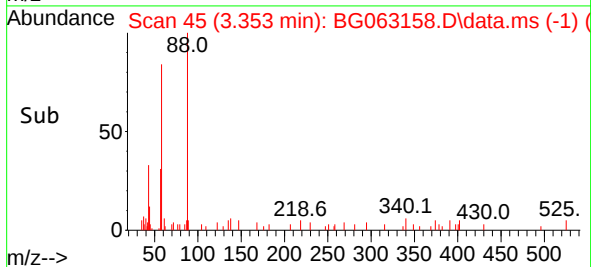
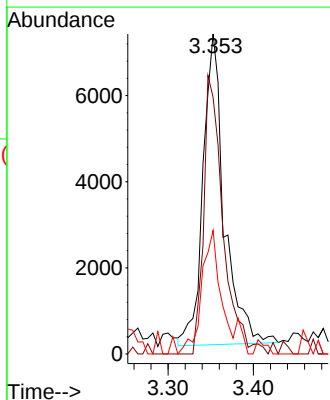
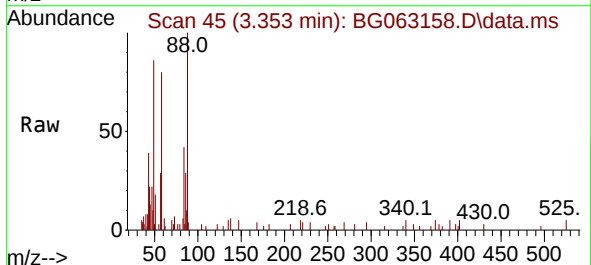
Manual Integrations
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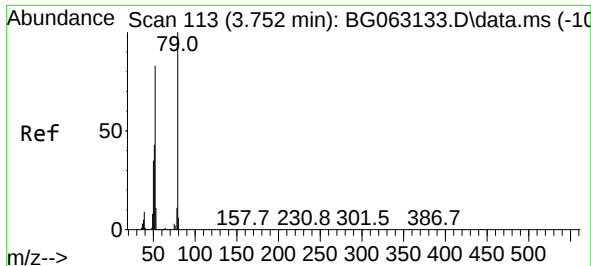
Reviewed By :Jagrut Upadhyay 11/05/2024
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#2
1,4-Dioxane
Concen: 5.402 ng
RT: 3.353 min Scan# 45
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

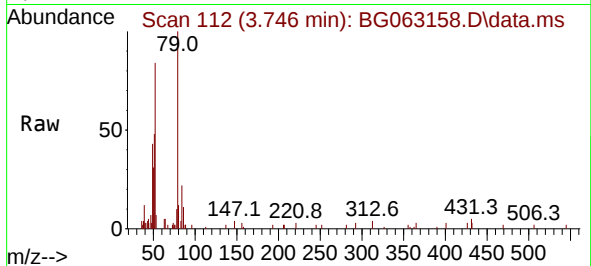
Tgt Ion: 88 Resp: 12548
Ion Ratio Lower Upper
88 100
58 81.0 73.8 110.6
43 38.8 32.0 48.0





#3
Pyridine
Concen: 4.476 ng
RT: 3.746 min Scan# 113
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

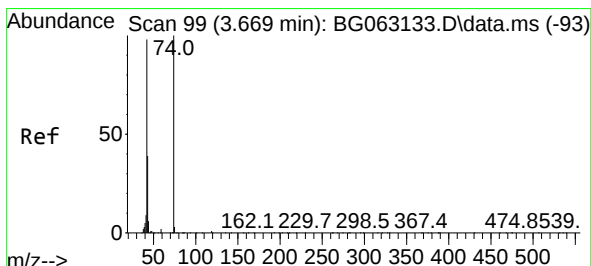
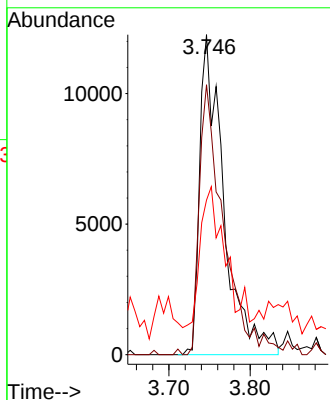
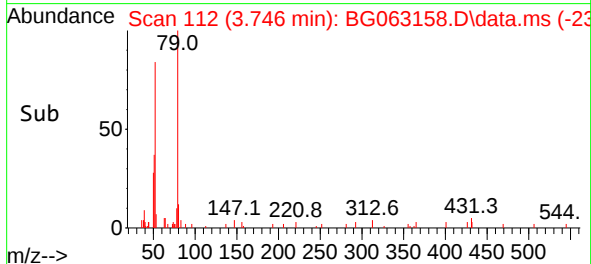
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 79 Resp: 25098
Ion Ratio Lower Upper
79 100
52 84.3 66.1 99.1
51 48.3 36.6 54.8

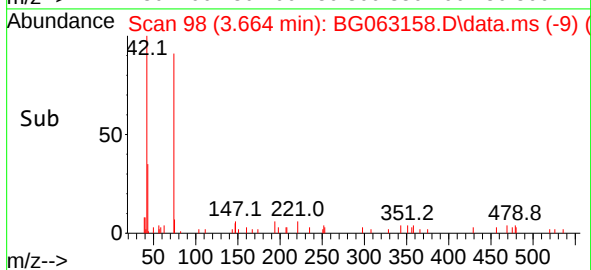
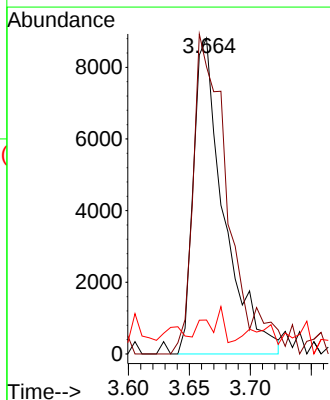
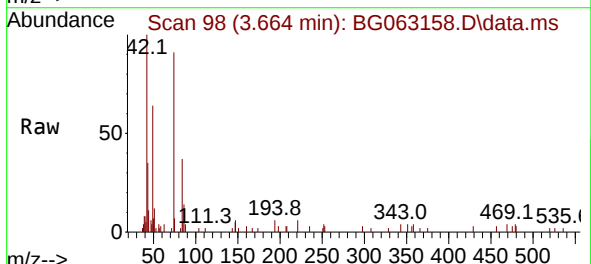
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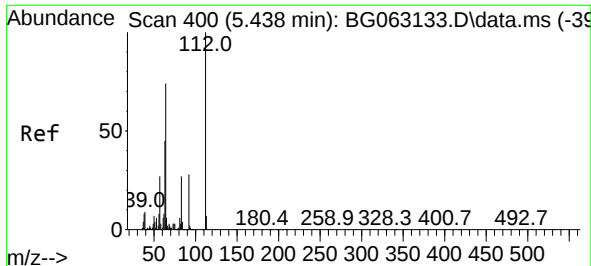
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Supervised By :mohammad ahmed 11/06/2024



#4
n-Nitrosodimethylamine
Concen: 4.390 ng
RT: 3.664 min Scan# 98
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

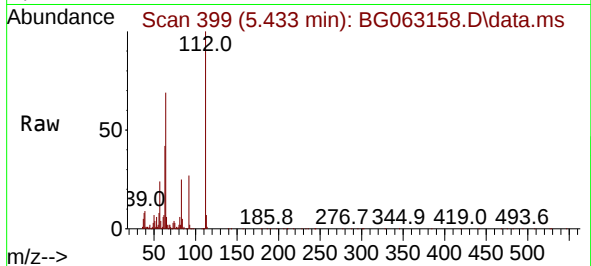
Tgt Ion: 42 Resp: 15292
Ion Ratio Lower Upper
42 100
74 90.9 81.9 122.9
44 10.7 5.8 8.8





#5
2-Fluorophenol
Concen: 124.129 ng
RT: 5.433 min Scan# 391
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

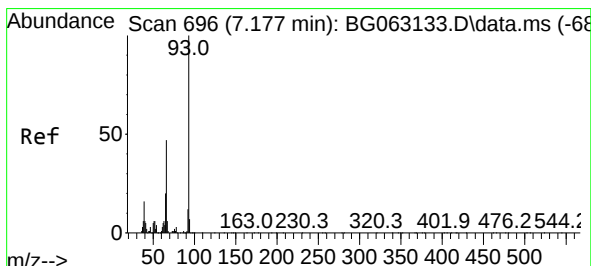
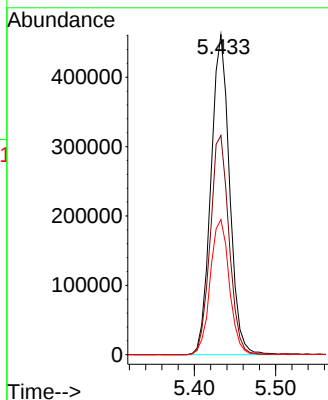
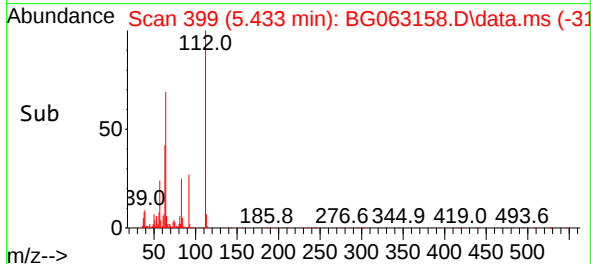
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:112 Resp: 733820
Ion Ratio Lower Upper
112 100
64 68.5 59.4 89.0
63 42.2 35.8 53.6

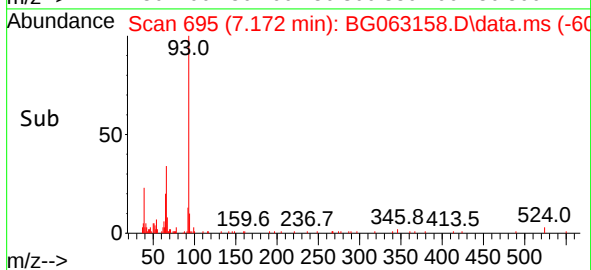
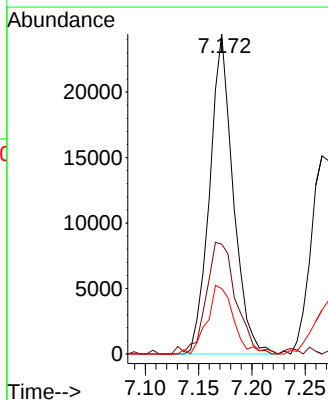
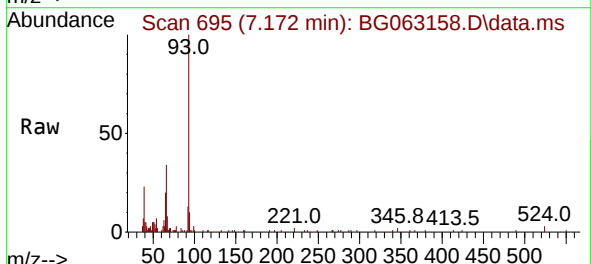
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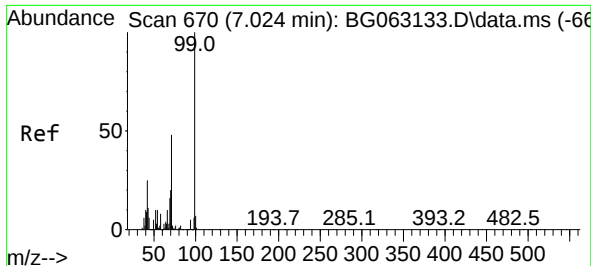
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#6
Aniline
Concen: 5.375 ng
RT: 7.172 min Scan# 695
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

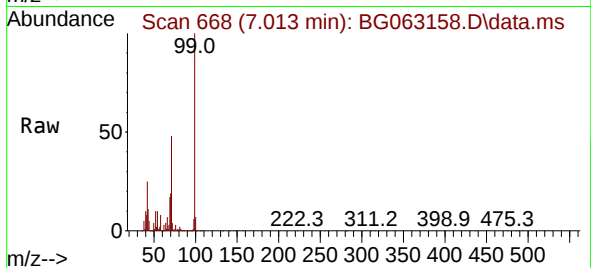
Tgt Ion: 93 Resp: 37445
Ion Ratio Lower Upper
93 100
66 34.3 37.8 56.8#
65 20.4 16.1 24.1





#7
Phenol-d6
Concen: 129.543 ng
RT: 7.013 min Scan# 60
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

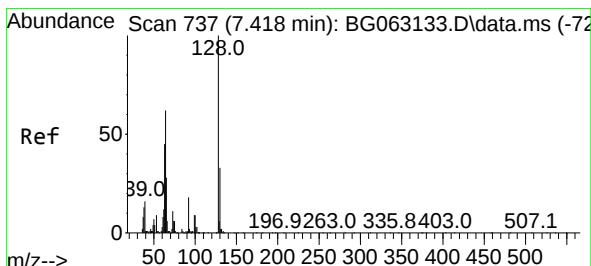
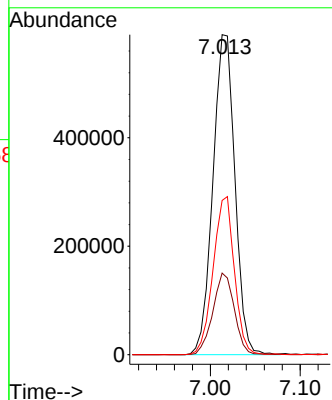
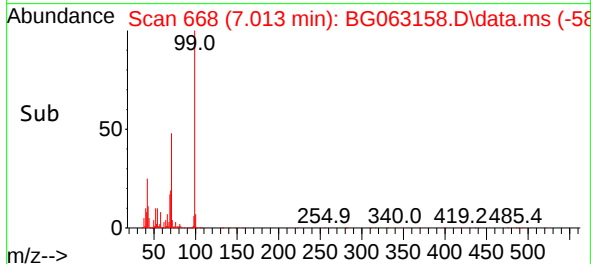
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 99 Resp: 100356
Ion Ratio Lower Upper
99 100
42 25.5 20.0 30.0
71 48.2 38.2 57.4

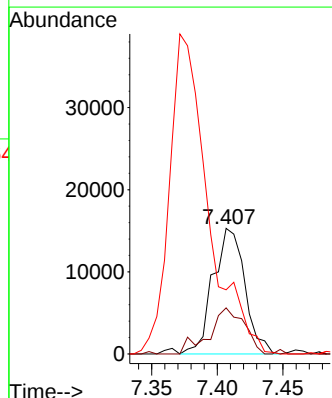
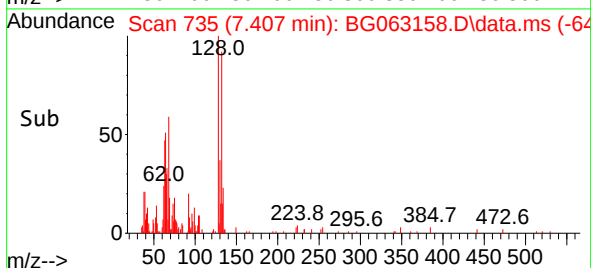
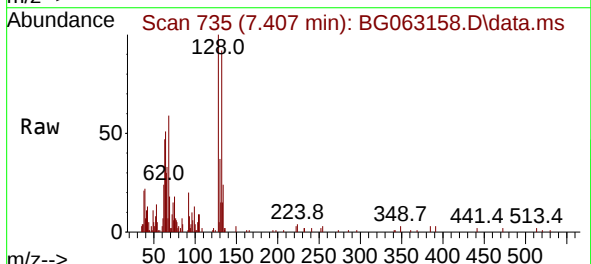
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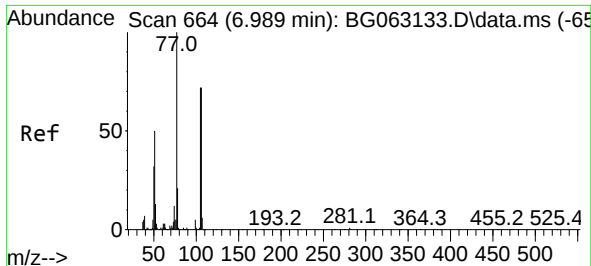
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#8
2-Chlorophenol
Concen: 4.691 ng
RT: 7.407 min Scan# 735
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

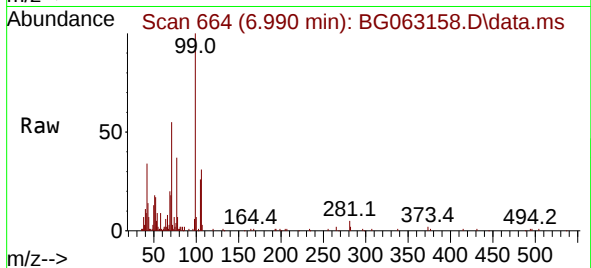
Tgt Ion:128 Resp: 25756
Ion Ratio Lower Upper
128 100
130 36.7 13.3 53.3
64 51.1 41.8 81.8





#9
Benzaldehyde
Concen: 6.265 ng
RT: 6.990 min Scan# 601
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

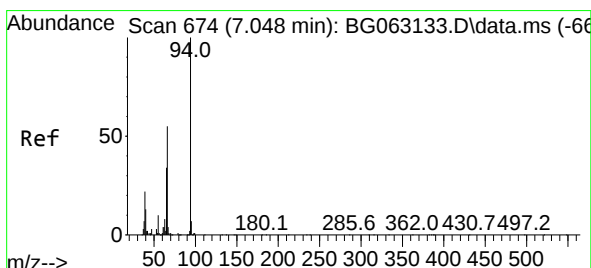
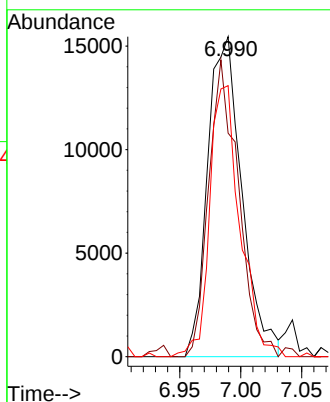
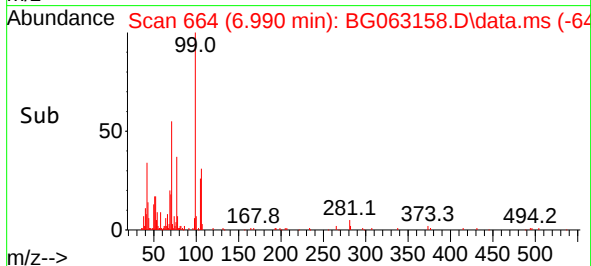
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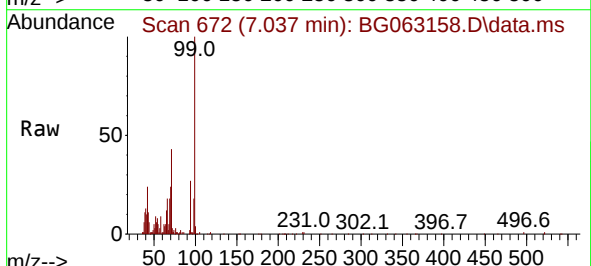
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Ion Ratio Lower Upper
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106 84.7 52.2 92.2

Manual Integrations
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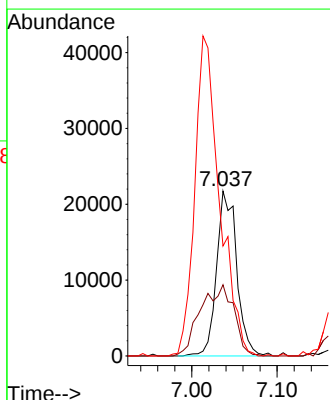
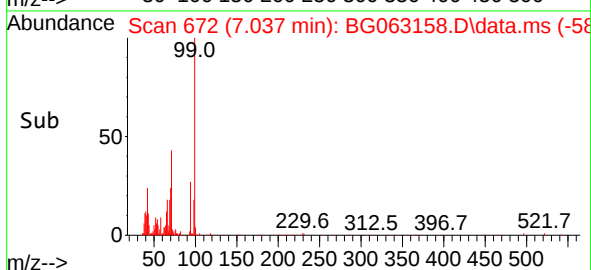
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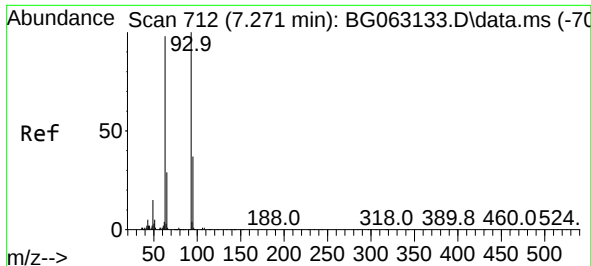


#10
Phenol
Concen: 4.304 ng
RT: 7.037 min Scan# 672
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



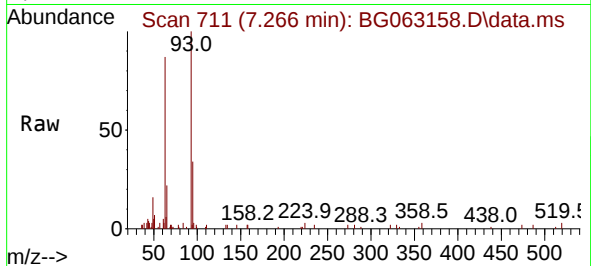
Tgt Ion: 94 Resp: 35724
Ion Ratio Lower Upper
94 100
65 43.2 14.2 54.2
66 66.8 36.2 76.2





#11
bis(2-Chloroethyl)ether
Concen: 4.469 ng
RT: 7.266 min Scan# 712
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

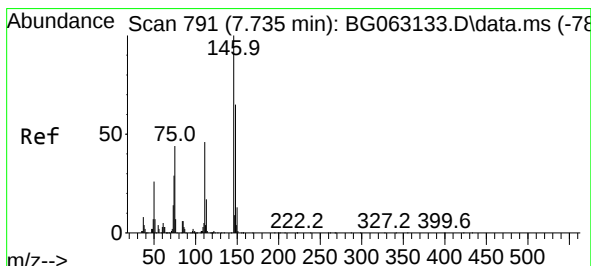
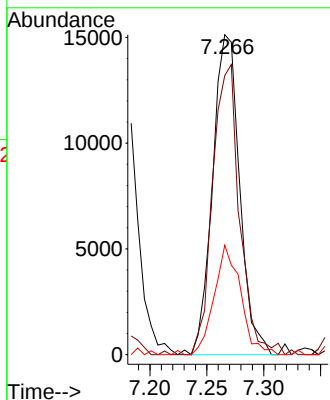
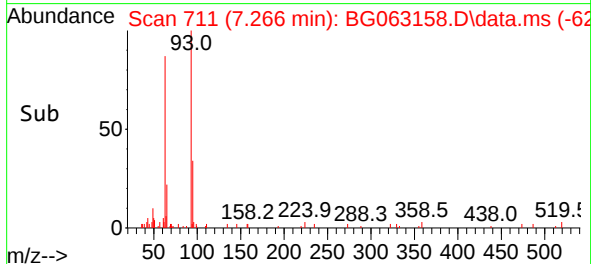
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 93 Resp: 25014
Ion Ratio Lower Upper
93 100
63 87.3 77.5 117.5
95 34.2 16.5 56.5

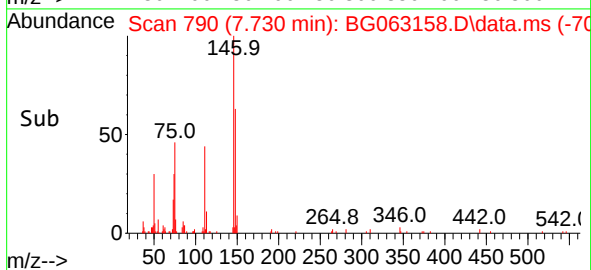
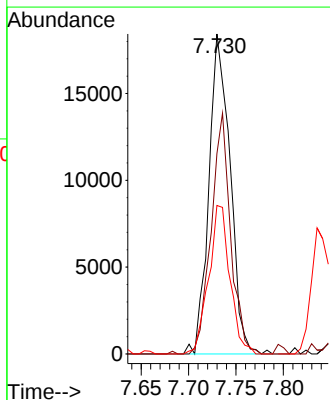
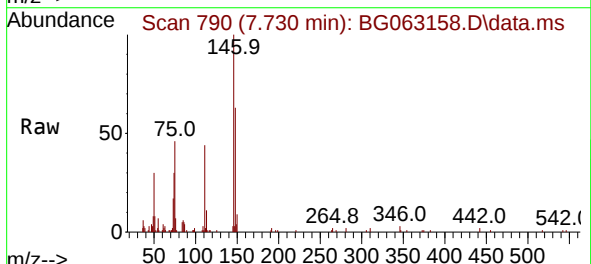
Manual Integrations
APPROVED

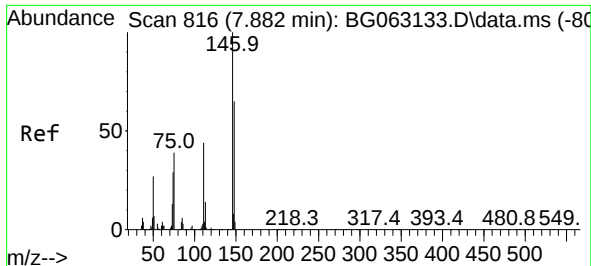
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#12
1,3-Dichlorobenzene
Concen: 4.310 ng
RT: 7.730 min Scan# 790
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:146 Resp: 28710
Ion Ratio Lower Upper
146 100
148 62.6 51.7 77.5
75 46.4 35.7 53.5





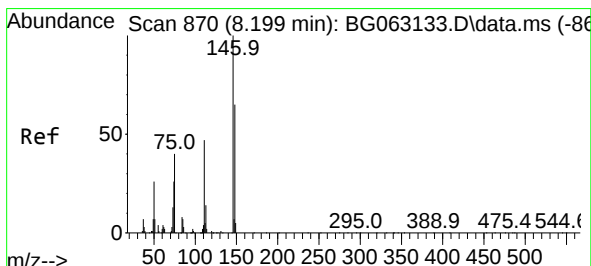
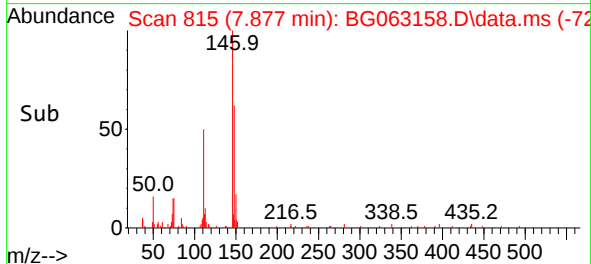
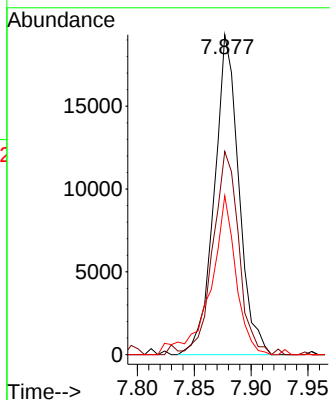
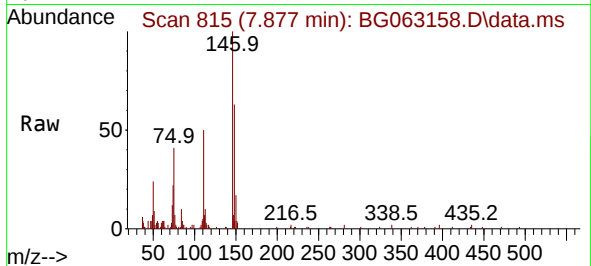
#13
1,4-Dichlorobenzene
Concen: 4.277 ng
RT: 7.877 min Scan# 816
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:146 Resp: 2904
Ion Ratio Lower Upper
146 100
148 67.0 52.3 78.5
111 49.7 35.8 53.6

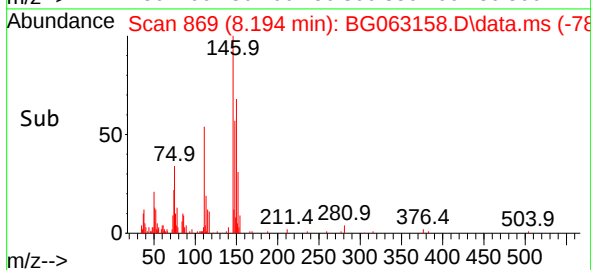
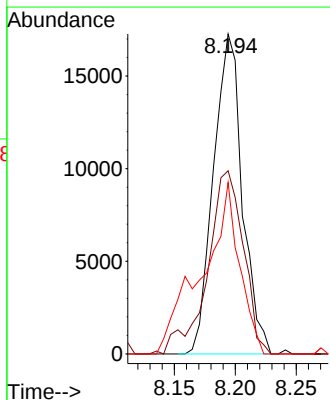
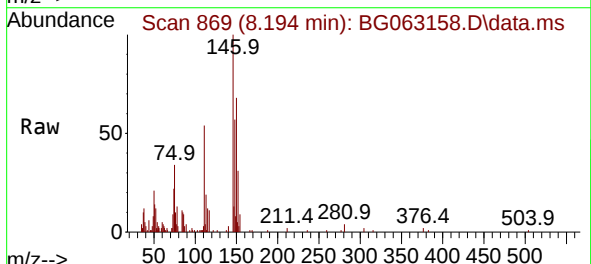
Manual Integrations
APPROVED

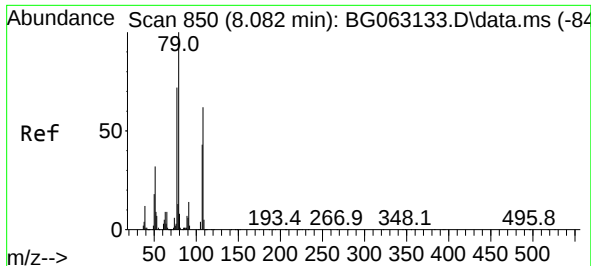
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#14
1,2-Dichlorobenzene
Concen: 4.347 ng
RT: 8.194 min Scan# 869
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

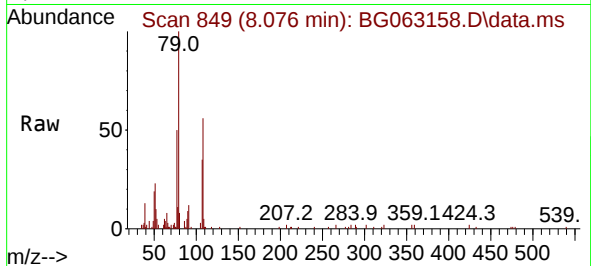
Tgt Ion:146 Resp: 28450
Ion Ratio Lower Upper
146 100
148 57.3 52.3 78.5
111 53.6 38.5 57.7





#15
Benzyl Alcohol
Concen: 4.252 ng
RT: 8.076 min Scan# 849
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

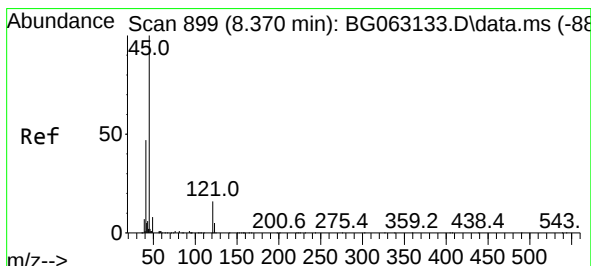
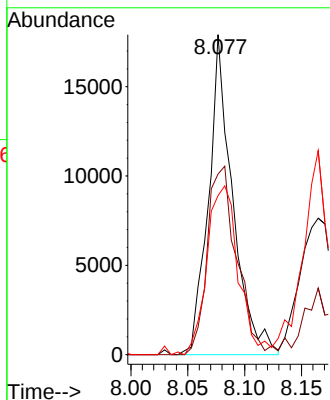
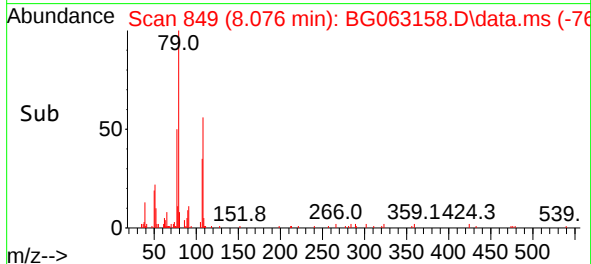
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 79 Resp: 26469
Ion Ratio Lower Upper
79 100
108 56.5 49.5 74.3
77 49.7 57.6 86.4

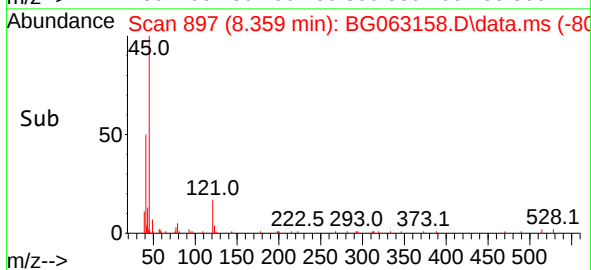
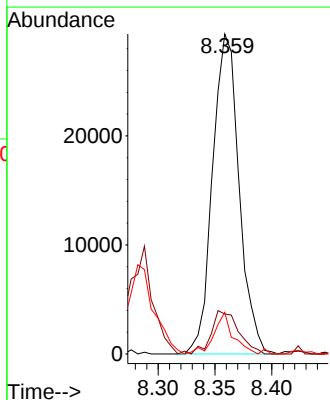
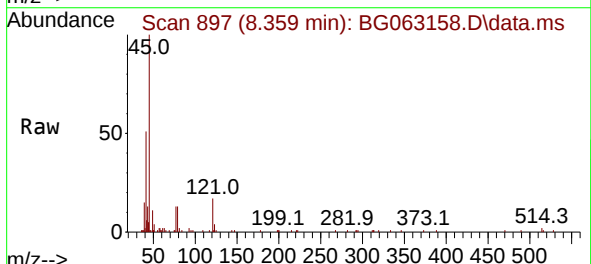
Manual Integrations
APPROVED

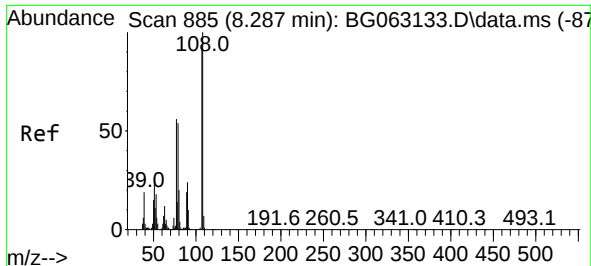
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.694 ng
RT: 8.359 min Scan# 897
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

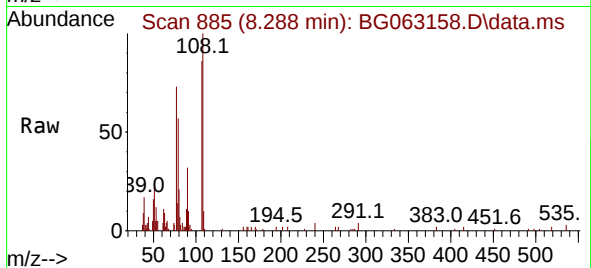
Tgt Ion: 45 Resp: 47658
Ion Ratio Lower Upper
45 100
77 12.5 0.0 32.4
79 13.0 0.0 29.7





#17
2-Methylphenol
Concen: 3.993 ng
RT: 8.288 min Scan# 885
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

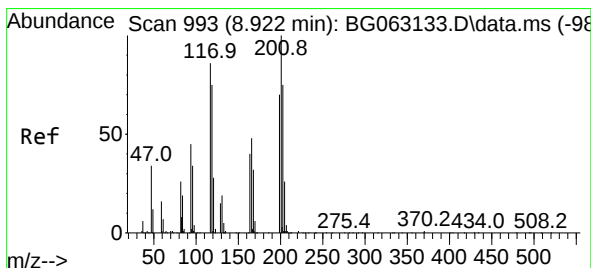
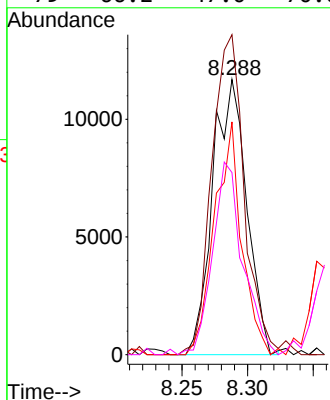
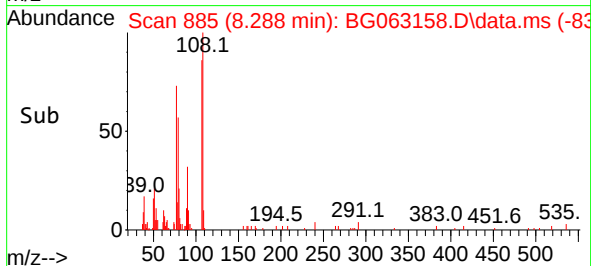
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	107	Resp:	2108
Ion	Ratio	Lower	Upper
107	100		
108	116.3	87.1	130.7
77	84.6	48.9	73.3
79	66.2	47.0	70.6

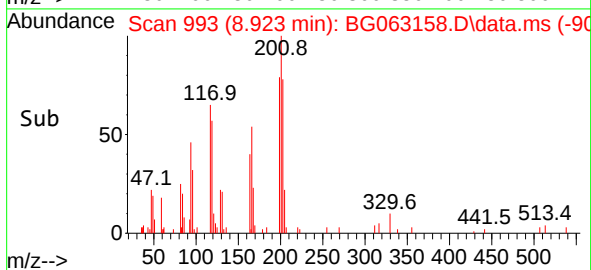
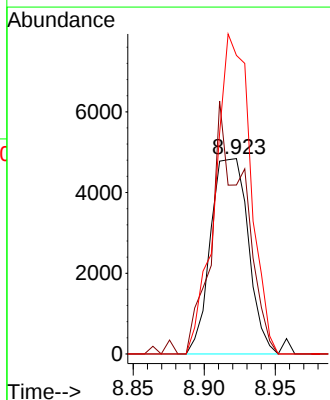
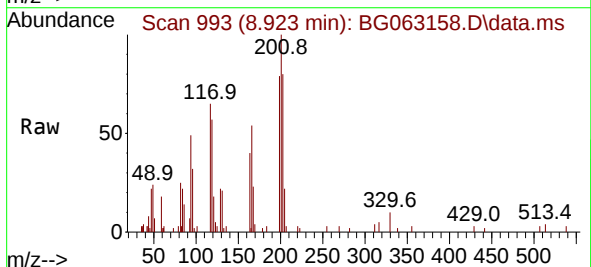
Manual Integrations
APPROVED

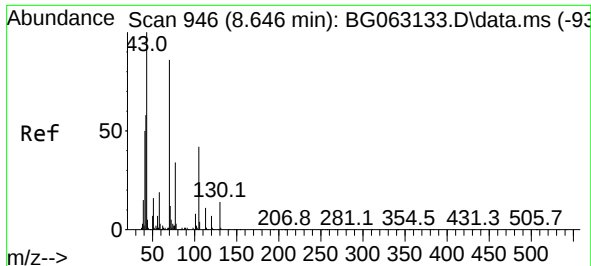
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#18
Hexachloroethane
Concen: 3.672 ng
RT: 8.923 min Scan# 993
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

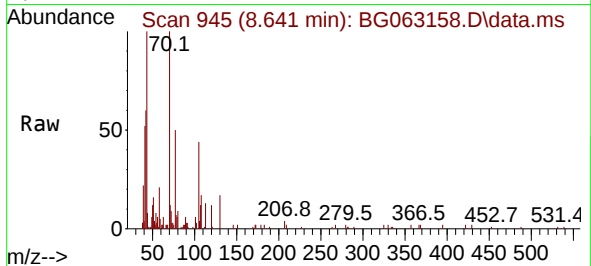
Tgt Ion:	117	Resp:	8924
Ion	Ratio	Lower	Upper
117	100		
119	86.4	69.7	104.5
201	152.8	92.6	138.8





#19
n-Nitroso-di-n-propylamine
Concen: 4.690 ng
RT: 8.641 min Scan# 946
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

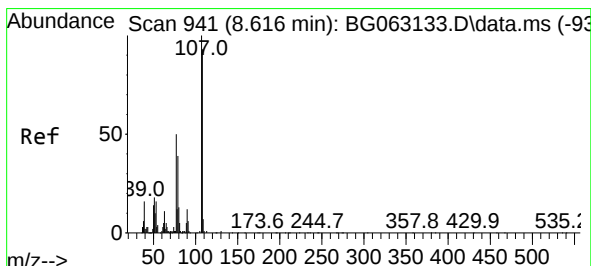
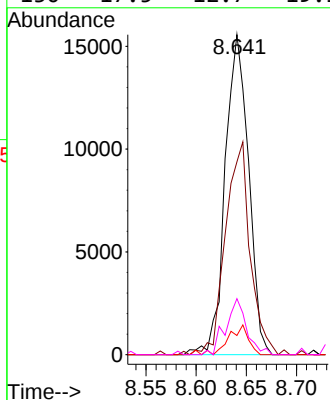
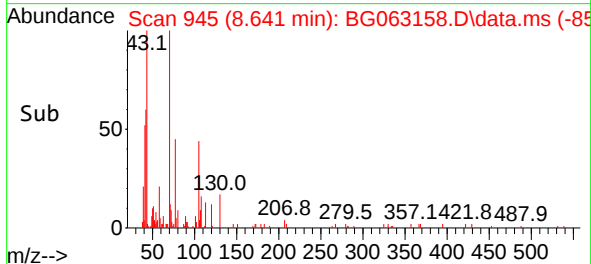
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 70 Resp: 2530
Ion Ratio Lower Upper
70 100
42 60.2 54.2 81.2
101 6.0 7.7 11.5
130 17.5 12.7 19.1

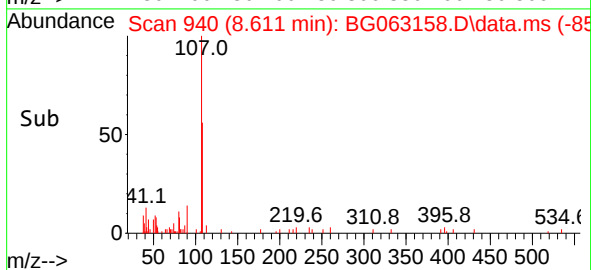
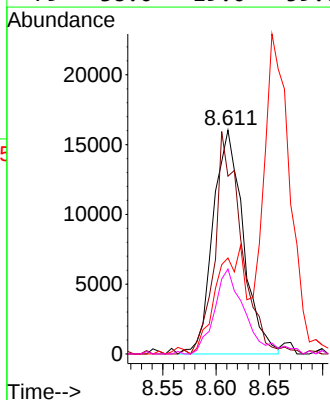
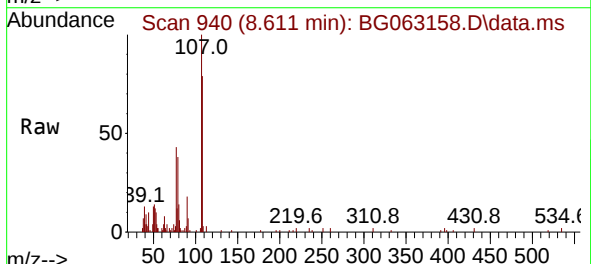
Manual Integrations
APPROVED

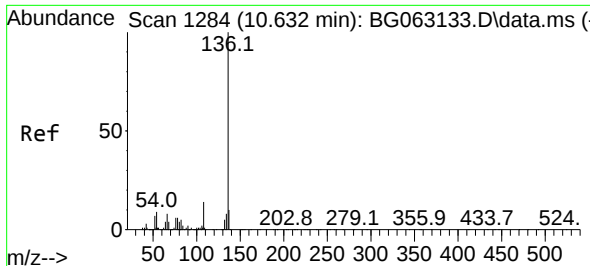
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#20
3+4-Methylphenols
Concen: 4.491 ng
RT: 8.611 min Scan# 940
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

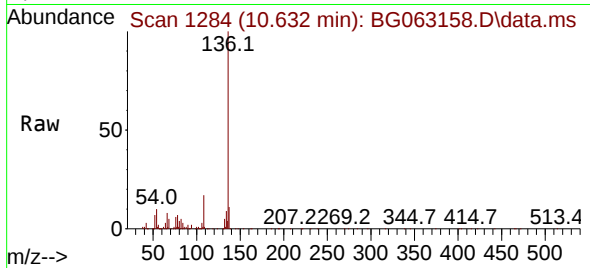
Tgt Ion:107 Resp: 31622
Ion Ratio Lower Upper
107 100
108 79.5 73.1 113.1
77 42.9 30.2 70.2
79 38.0 19.0 59.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.632 min Scan# 1284
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

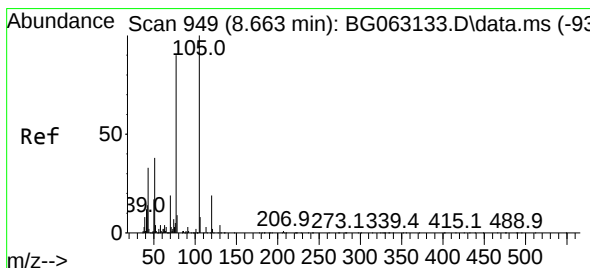
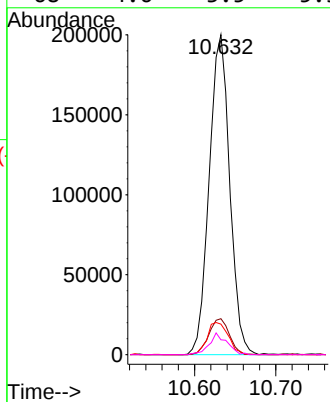
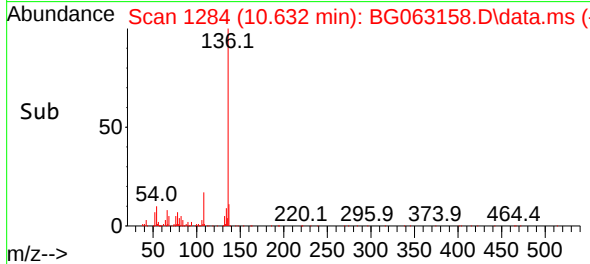
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:136 Resp: 35154
Ion Ratio Lower Upper
136 100
137 11.3 7.8 11.6
54 9.6 7.3 10.9
68 4.6 3.5 5.3

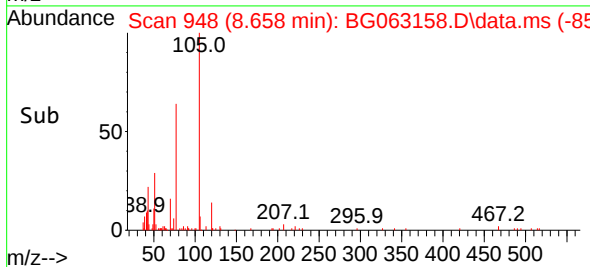
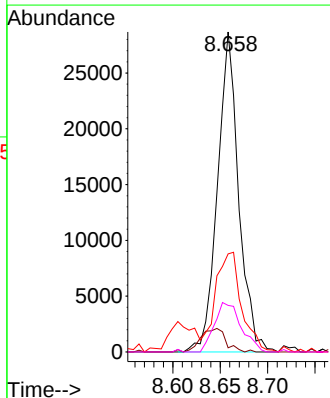
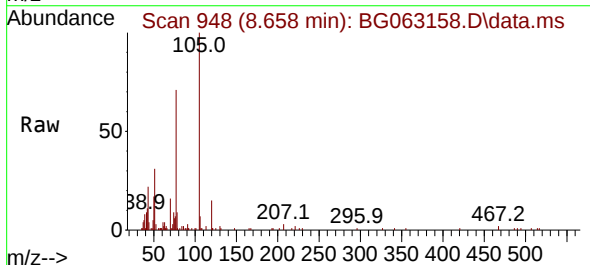
Manual Integrations
APPROVED

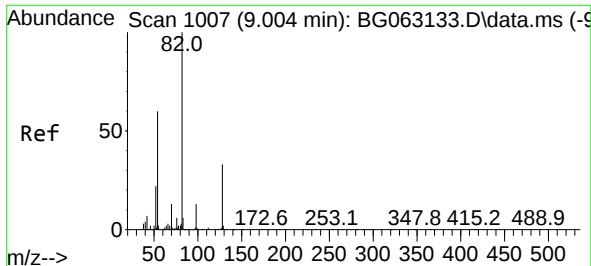
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#22
Acetophenone
Concen: 4.732 ng
RT: 8.658 min Scan# 948
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:105 Resp: 44580
Ion Ratio Lower Upper
105 100
71 1.3 2.3 3.5#
51 30.7 30.5 45.7
120 14.5 15.4 23.2#





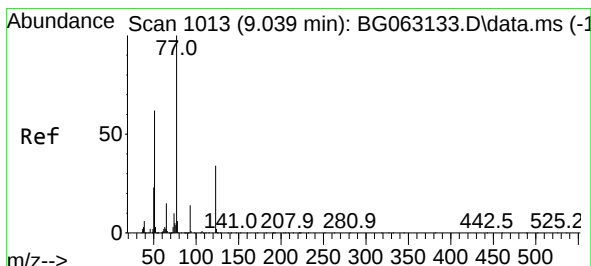
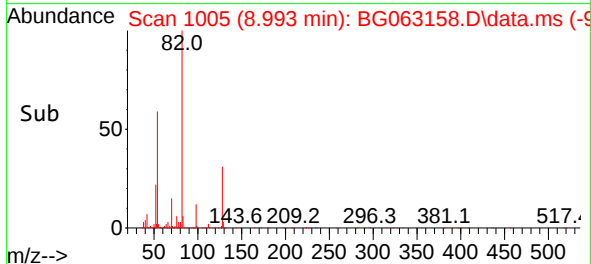
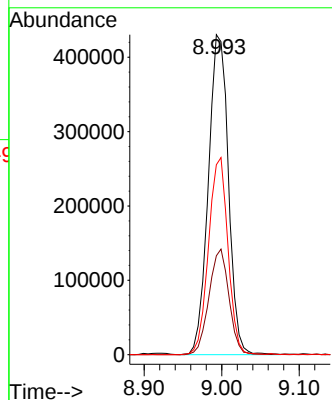
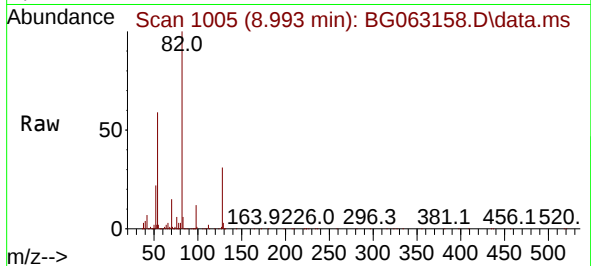
#23
Nitrobenzene-d5
Concen: 95.767 ng
RT: 8.993 min Scan# 1005
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 82 Resp: 77406
Ion Ratio Lower Upper
82 100
128 30.9 26.6 39.8
54 59.3 47.8 71.8

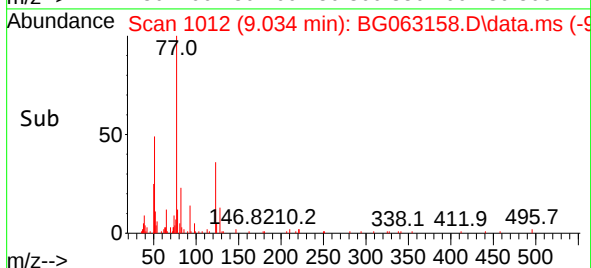
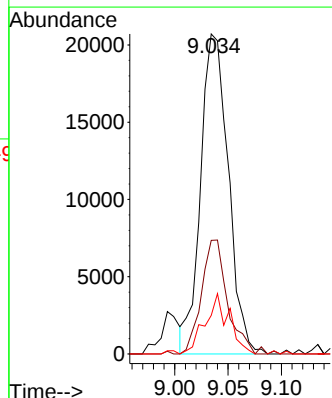
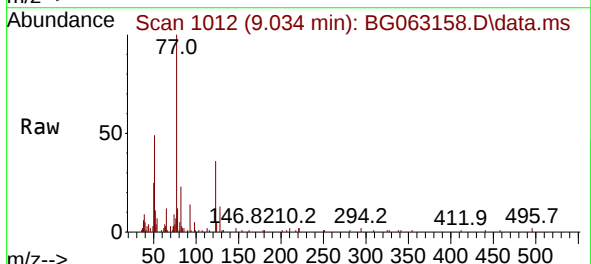
Manual Integrations
APPROVED

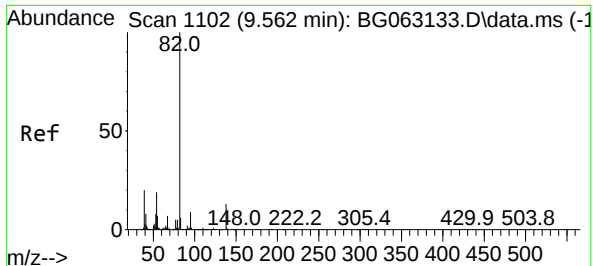
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#24
Nitrobenzene
Concen: 4.297 ng
RT: 9.034 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion: 77 Resp: 37559
Ion Ratio Lower Upper
77 100
123 35.5 26.9 40.3
65 12.1 12.3 18.5





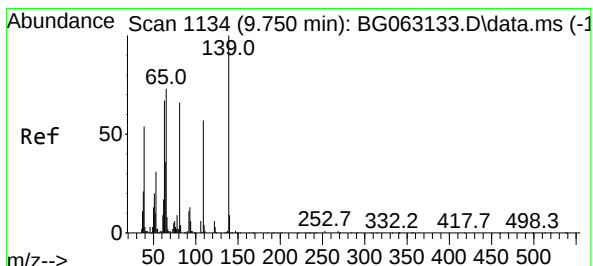
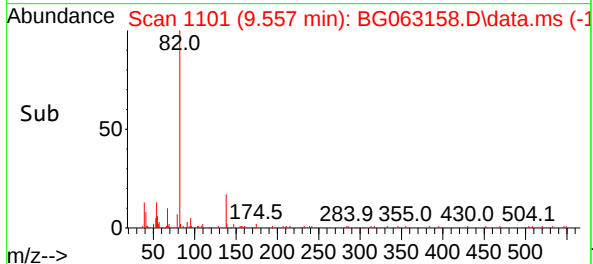
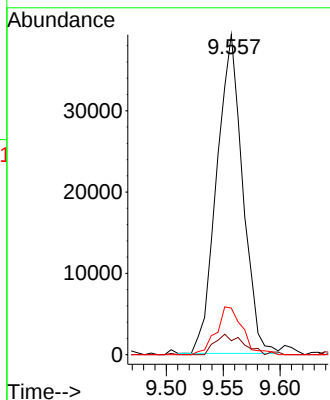
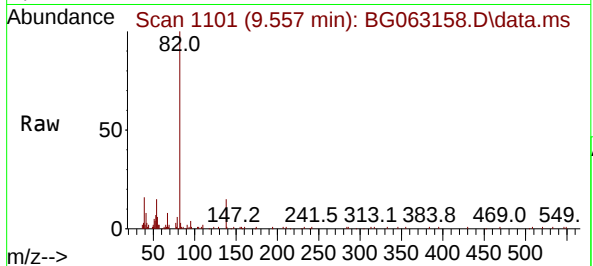
#25
Isophorone
Concen: 4.458 ng
RT: 9.557 min Scan# 1101
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 82 Resp: 6232
Ion Ratio Lower Upper
82 100
95 4.4 7.4 11.0
138 14.6 10.3 15.5

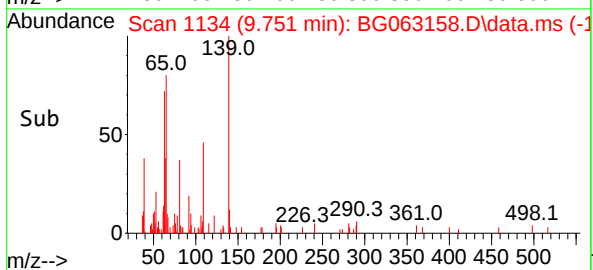
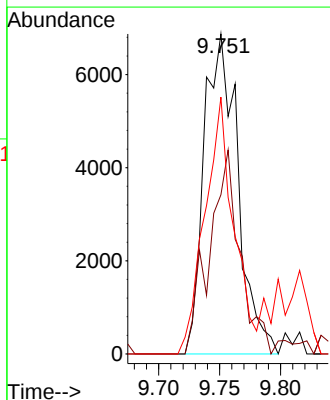
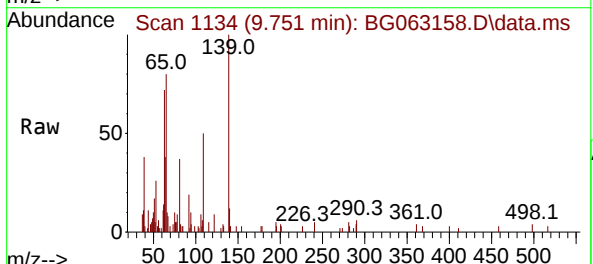
Manual Integrations
APPROVED

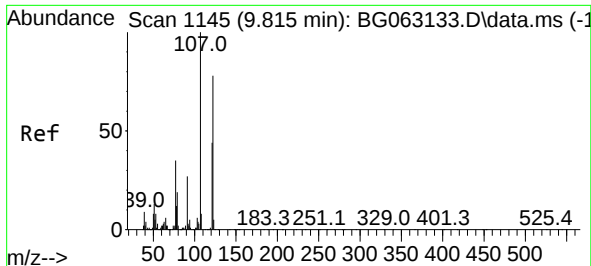
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#26
2-Nitrophenol
Concen: 4.121 ng
RT: 9.751 min Scan# 1134
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:139 Resp: 13245
Ion Ratio Lower Upper
139 100
109 49.7 45.4 68.0
65 80.3 58.4 87.6





#27

2,4-Dimethylphenol

Concen: 4.485 ng

RT: 9.810 min Scan# 1145

Delta R.T. -0.005 min

Lab File: BG063158.D

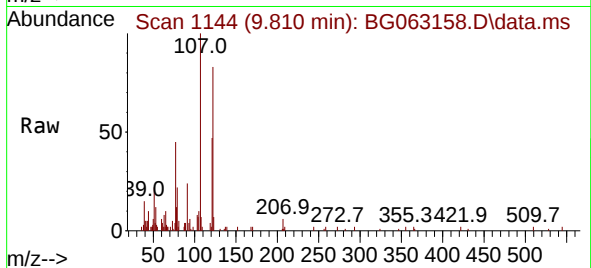
Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:122 Resp: 1772

Ion Ratio Lower Upper

122 100

107 121.1 101.8 152.6

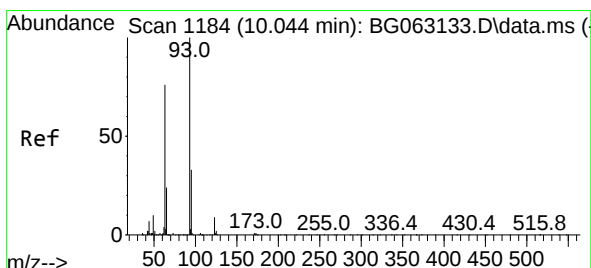
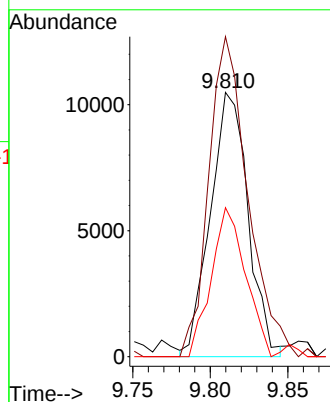
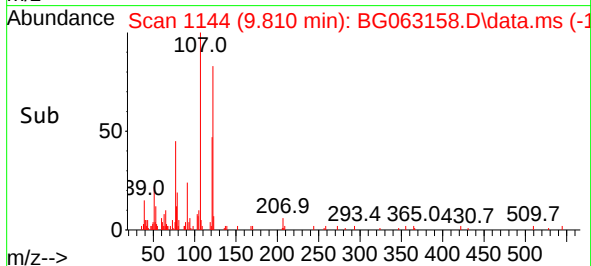
121 56.4 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#28

bis(2-Chloroethoxy)methane

Concen: 4.593 ng

RT: 10.039 min Scan# 1183

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

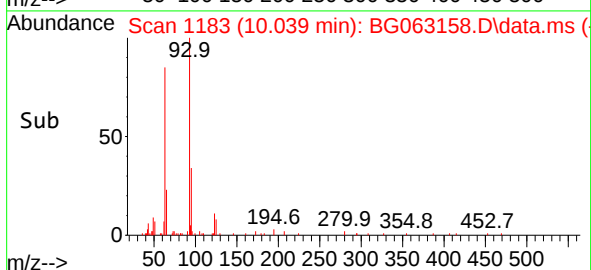
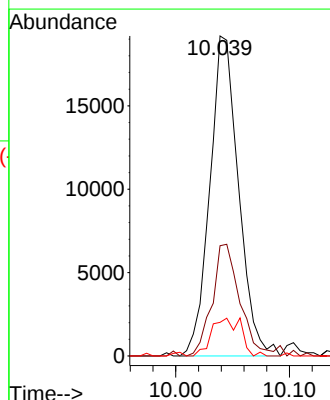
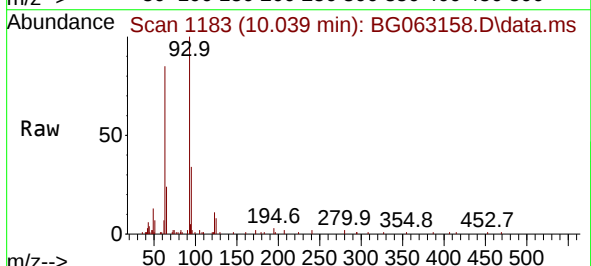
Tgt Ion: 93 Resp: 33673

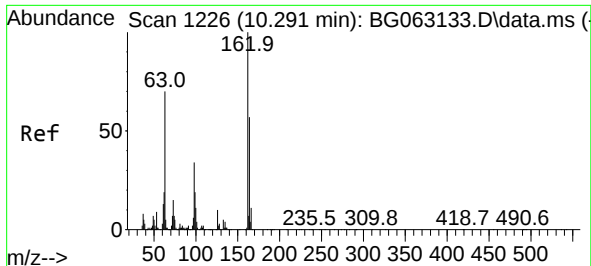
Ion Ratio Lower Upper

93 100

95 34.4 26.1 39.1

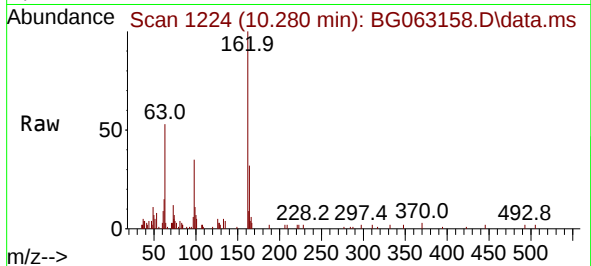
123 10.5 7.6 11.4





#29
2,4-Dichlorophenol
Concen: 4.290 ng
RT: 10.280 min Scan# 1226
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

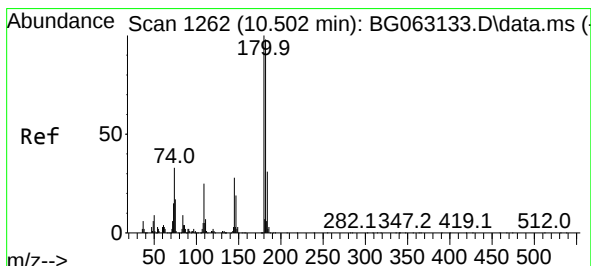
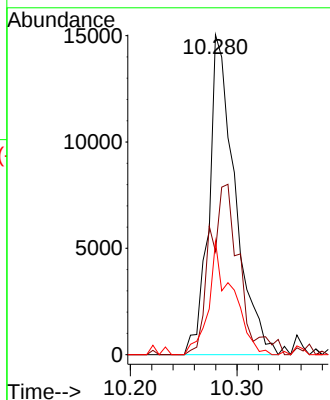
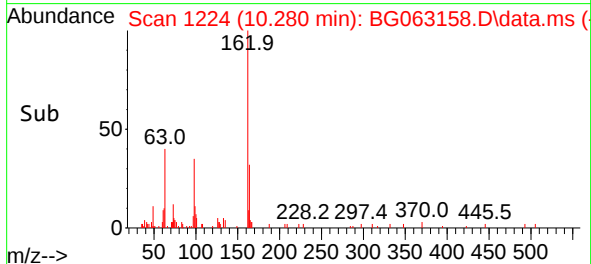
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:162 Resp: 2560
Ion Ratio Lower Upper
162 100
164 32.2 37.2 77.2
98 35.4 14.0 54.0

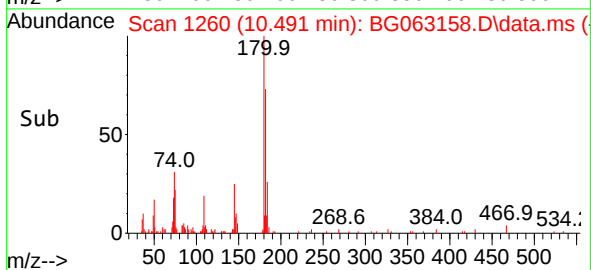
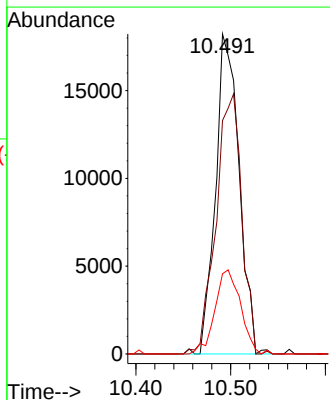
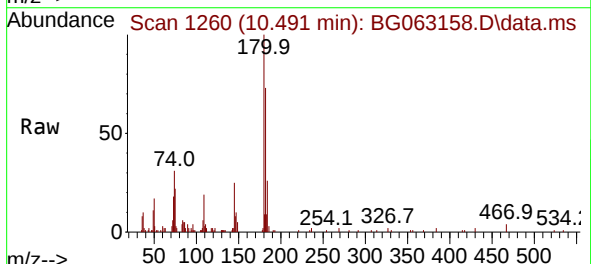
Manual Integrations
APPROVED

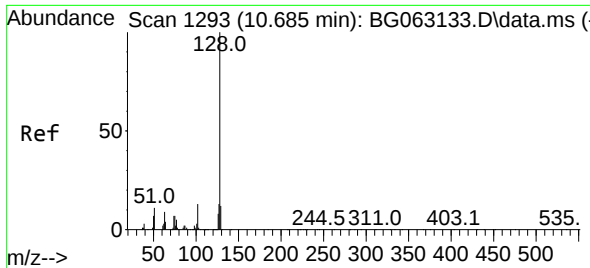
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#30
1,2,4-Trichlorobenzene
Concen: 4.289 ng
RT: 10.491 min Scan# 1260
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

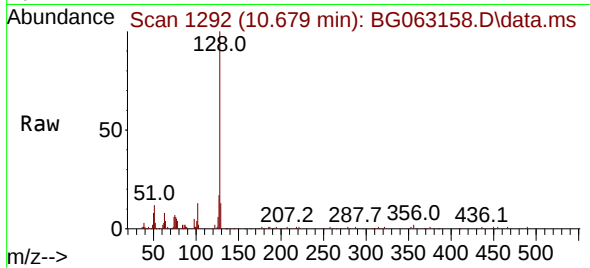
Tgt Ion:180 Resp: 31488
Ion Ratio Lower Upper
180 100
182 73.0 78.5 117.7#
145 25.0 22.6 34.0





#31
Naphthalene
Concen: 4.502 ng
RT: 10.679 min Scan# 1292
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

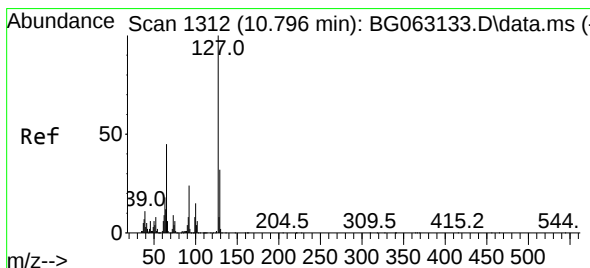
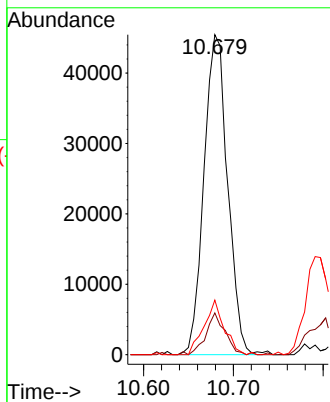
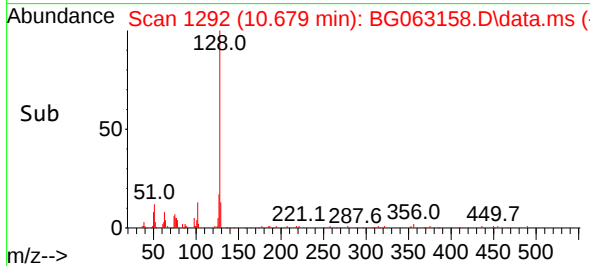
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



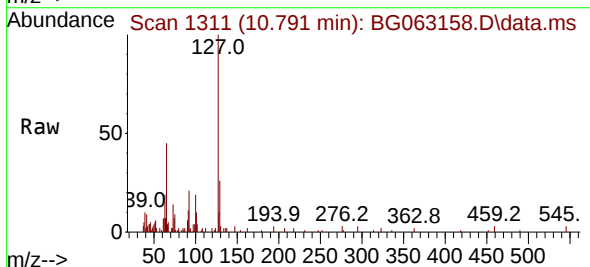
Tgt Ion:128 Resp: 83480
Ion Ratio Lower Upper
128 100
129 13.1 9.5 14.3
127 17.1 10.7 16.1

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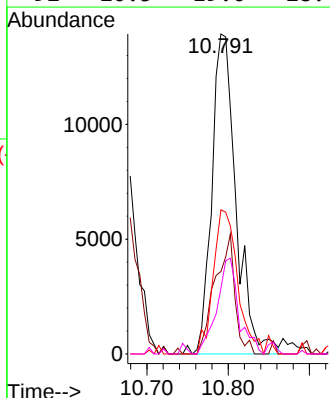
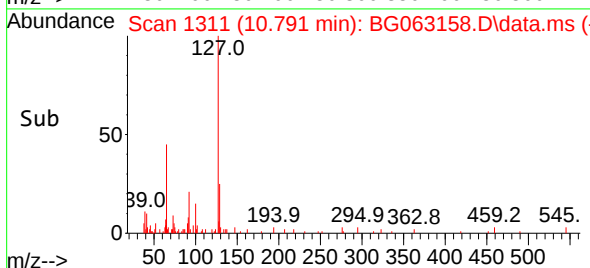
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

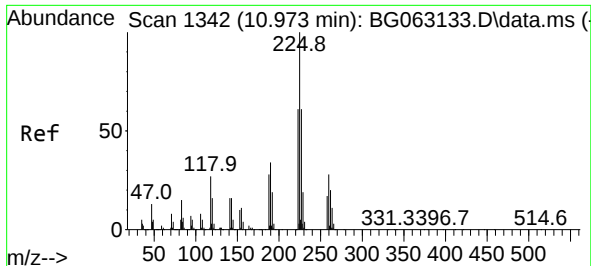


#33
4-Chloroaniline
Concen: 4.639 ng
RT: 10.791 min Scan# 1311
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



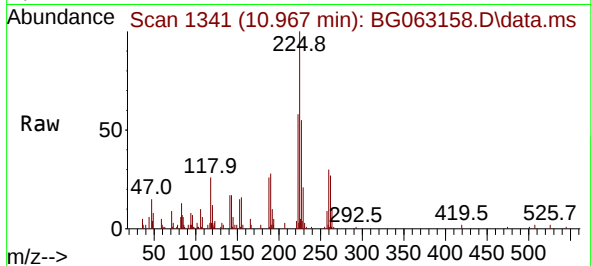
Tgt Ion:127 Resp: 29030
Ion Ratio Lower Upper
127 100
129 25.8 25.6 38.4
65 45.1 36.4 54.6
92 20.5 19.0 28.4





#34
Hexachlorobutadiene
Concen: 4.375 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

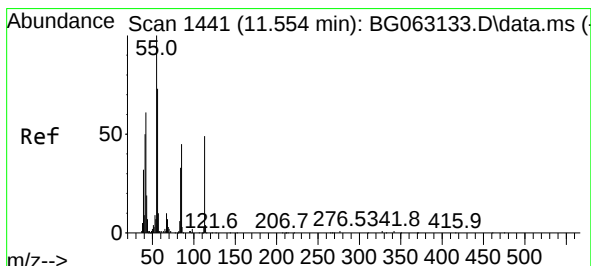
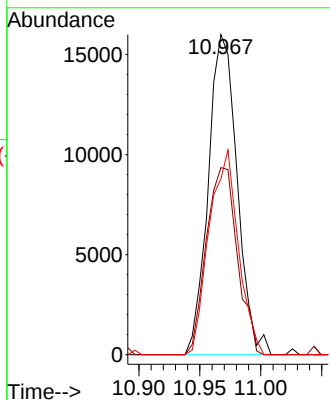
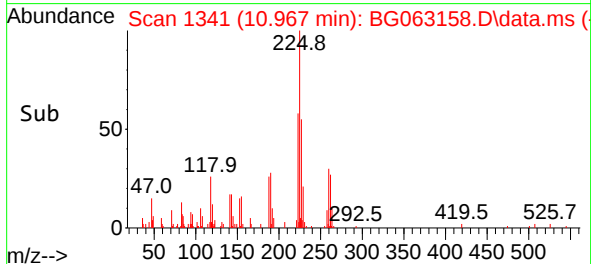
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



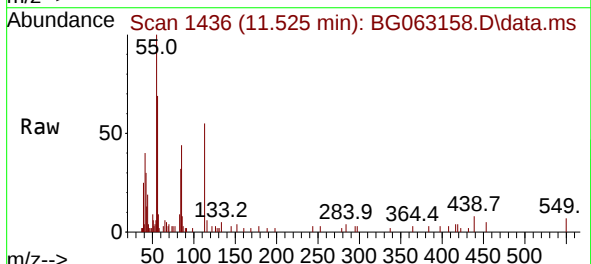
Tgt Ion:225 Resp: 26430
Ion Ratio Lower Upper
225 100
223 61.2 46.2 69.4
227 55.0 46.2 69.4

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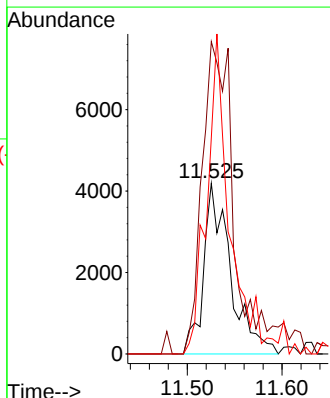
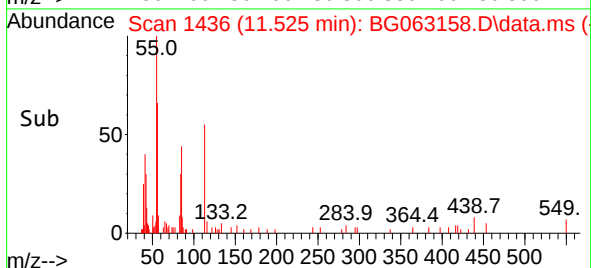
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

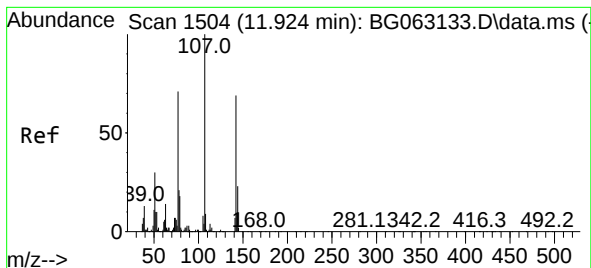


#35
Caprolactam
Concen: 4.327 ng
RT: 11.525 min Scan# 1436
Delta R.T. -0.029 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



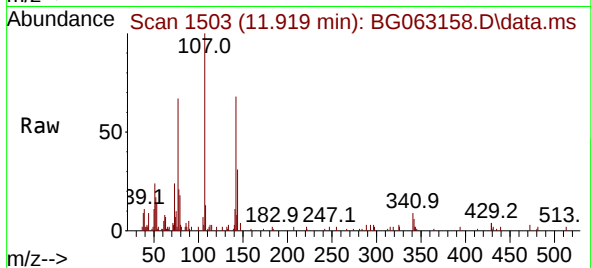
Tgt Ion:113 Resp: 8248
Ion Ratio Lower Upper
113 100
55 183.1 187.0 227.0#
56 126.8 130.9 170.9#





#36
4-Chloro-3-methylphenol
Concen: 4.034 ng
RT: 11.919 min Scan# 1503
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

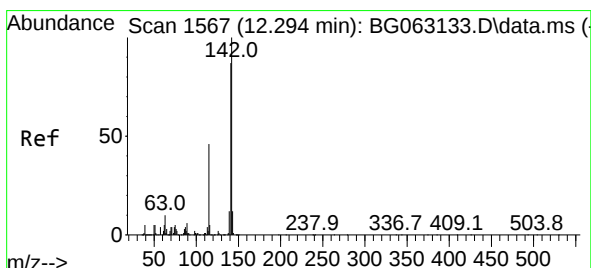
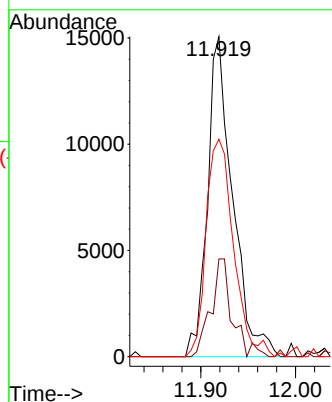
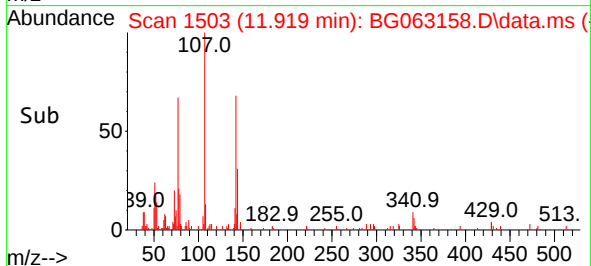
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:107 Resp: 27730
Ion Ratio Lower Upper
107 100
144 30.5 18.5 27.7
142 68.0 55.0 82.4

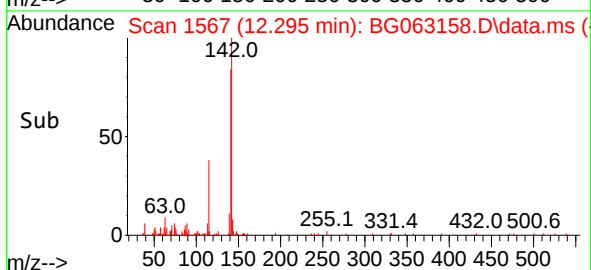
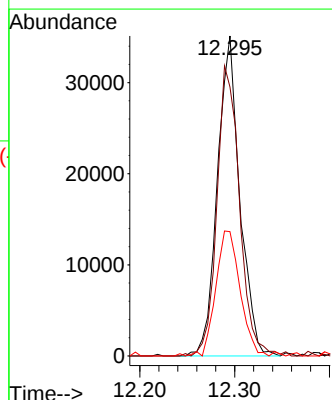
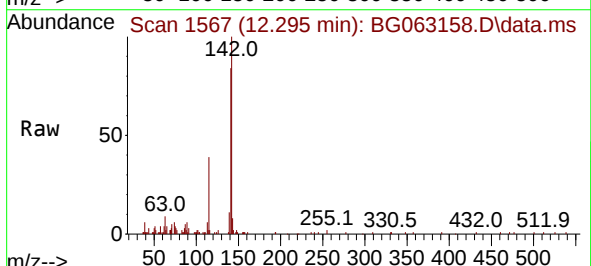
Manual Integrations
APPROVED

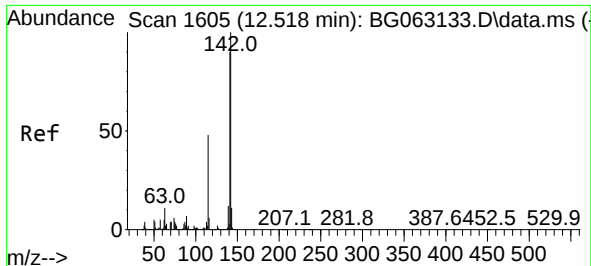
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#37
2-Methylnaphthalene
Concen: 4.387 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:142 Resp: 57705
Ion Ratio Lower Upper
142 100
141 84.0 69.2 103.8
115 38.9 36.6 54.8





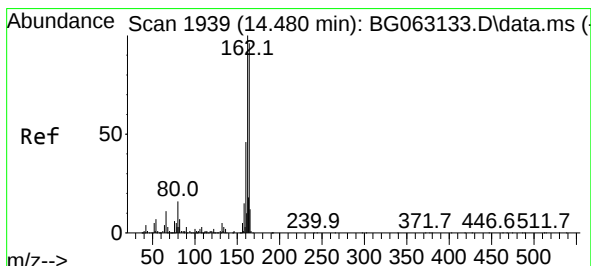
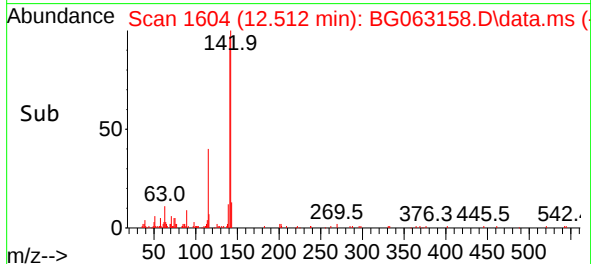
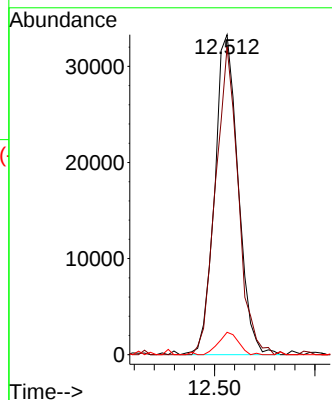
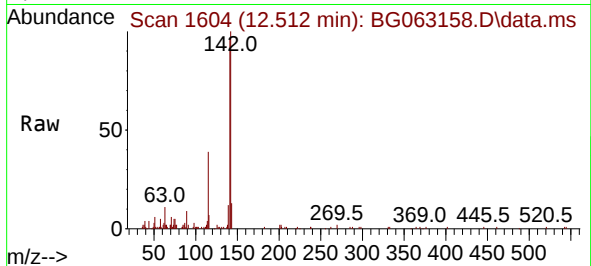
#38
1-Methylnaphthalene
Concen: 4.181 ng
RT: 12.512 min Scan# 1604
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:142 Resp: 5414
Ion Ratio Lower Upper
142 100
141 96.2 72.2 108.4
116 7.0 4.5 6.7

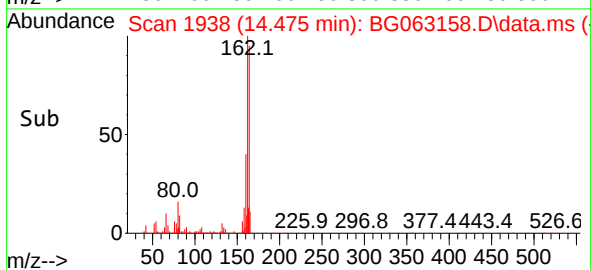
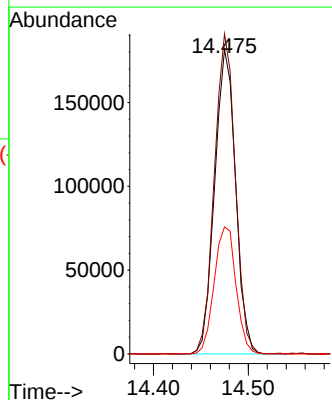
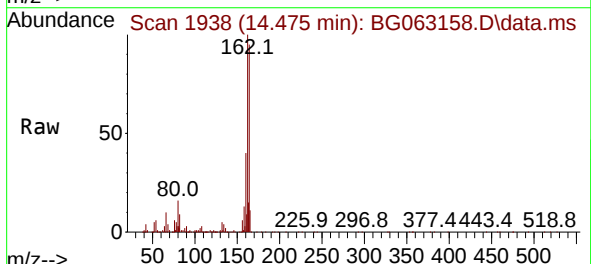
Manual Integrations
APPROVED

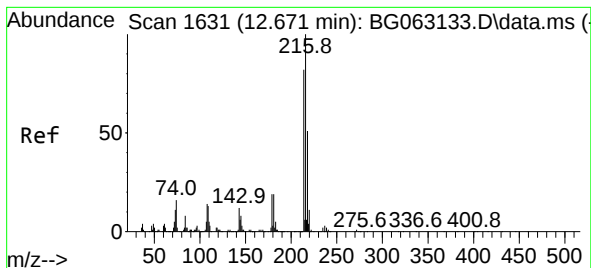
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:164 Resp: 278217
Ion Ratio Lower Upper
164 100
162 105.1 83.4 125.0
160 41.7 38.0 57.0





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.541 ng

RT: 12.665 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:216 Resp: 45394

Ion Ratio Lower Upper

216 100

214 76.1 63.8 95.6

179 17.8 15.7 23.5

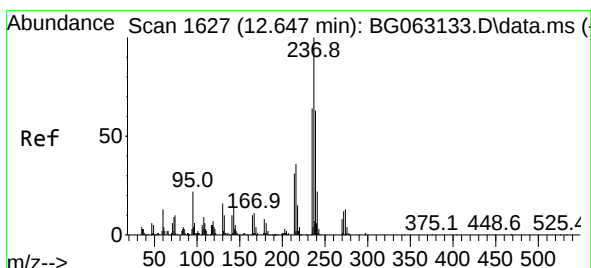
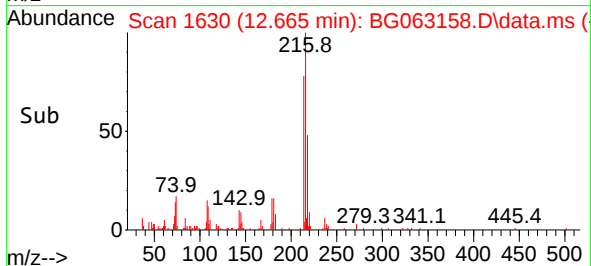
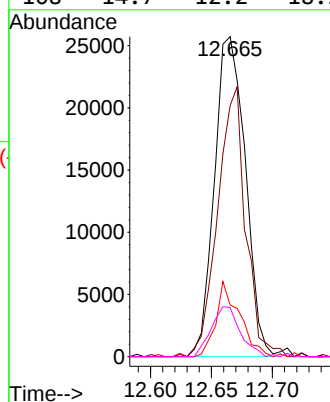
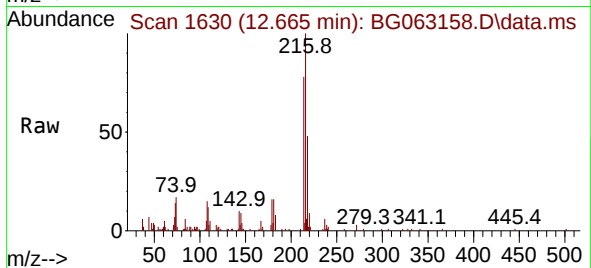
108 14.7 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#41

Hexachlorocyclopentadiene

Concen: 3.264 ng

RT: 12.642 min Scan# 1626

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

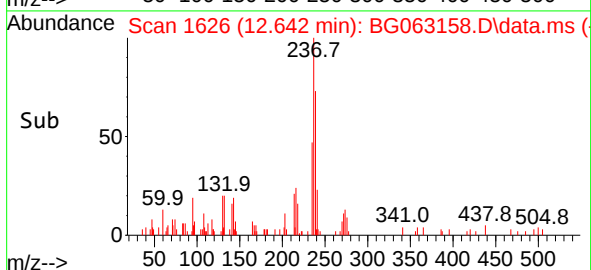
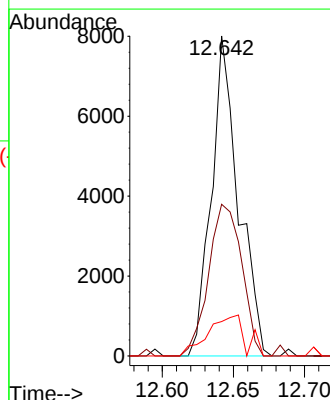
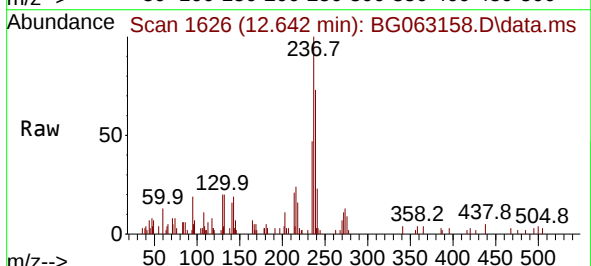
Tgt Ion:237 Resp: 10602

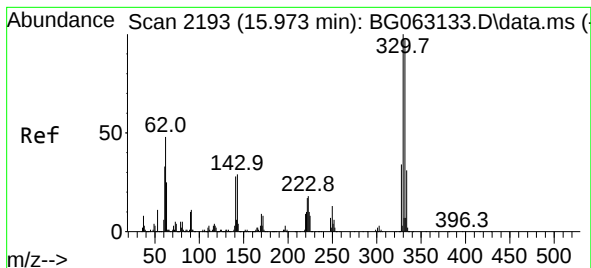
Ion Ratio Lower Upper

237 100

235 47.4 43.8 83.8

272 10.8 0.0 32.4





#42

2,4,6-Tribromophenol

Concen: 130.364 ng

RT: 15.967 min Scan# 2193

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

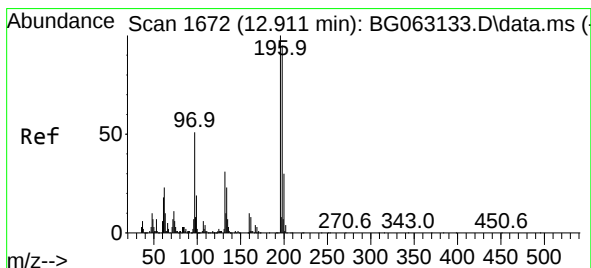
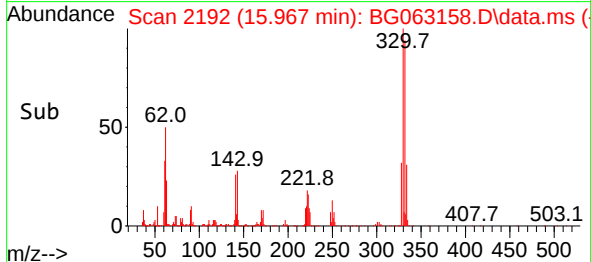
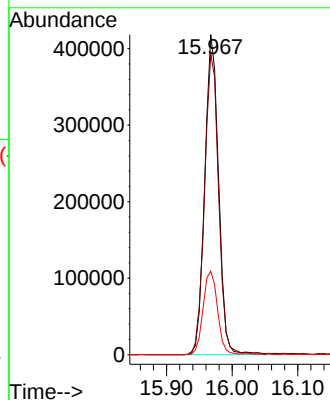
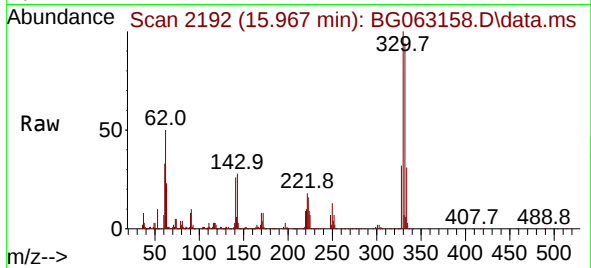
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	330	Resp:	616089
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.6	117.8
141	27.1	22.6	34.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#43

2,4,6-Trichlorophenol

Concen: 3.735 ng

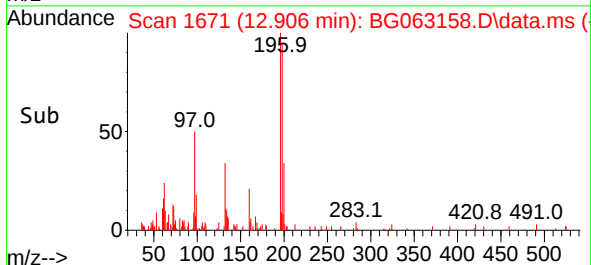
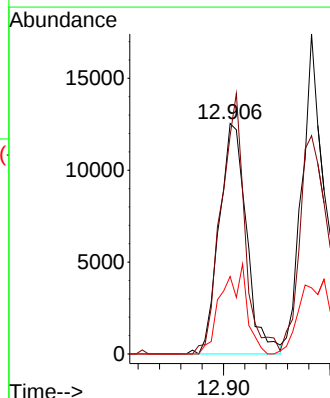
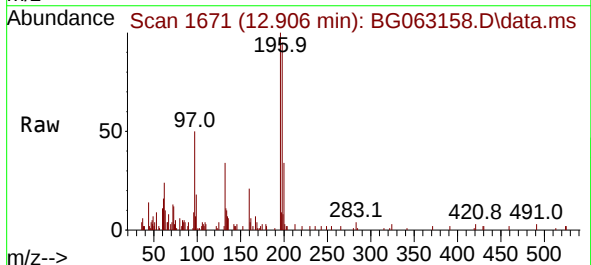
RT: 12.906 min Scan# 1671

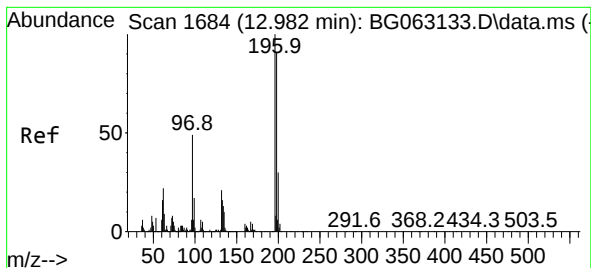
Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

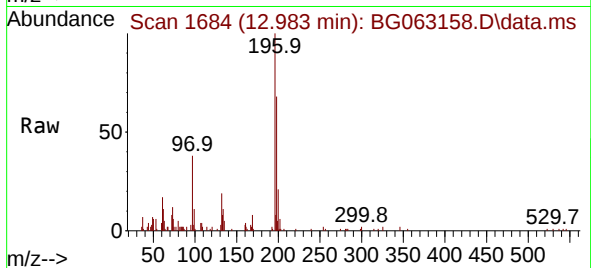
Tgt Ion:	196	Resp:	22358
Ion Ratio	Lower	Upper	
196	100		
198	103.3	76.2	114.2
200	33.6	23.8	35.8





#44
2,4,5-Trichlorophenol
Concen: 4.095 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

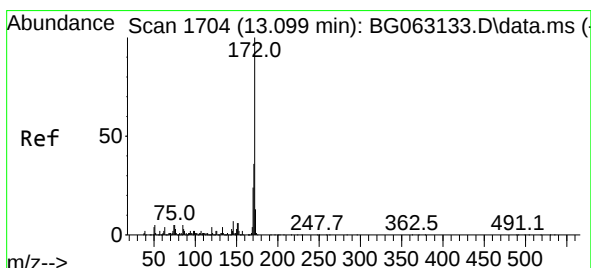
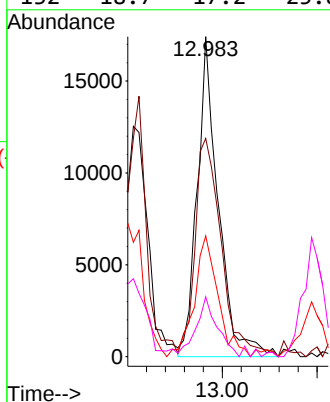
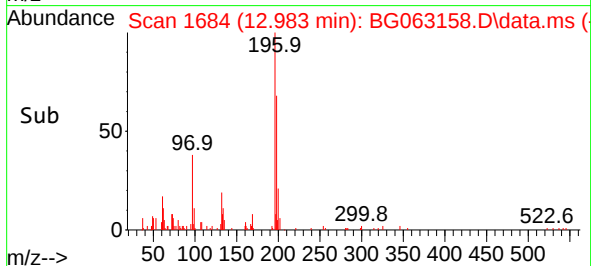
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:196 Resp: 26949
Ion Ratio Lower Upper
196 100
198 68.2 73.2 109.8
97 37.7 39.1 58.7
132 18.7 17.2 25.8

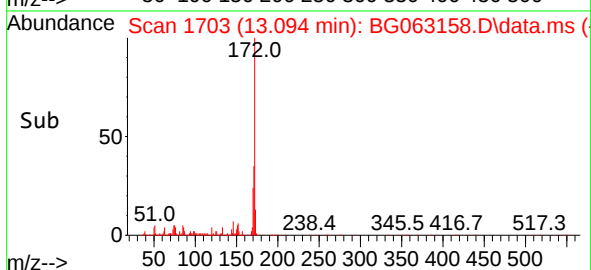
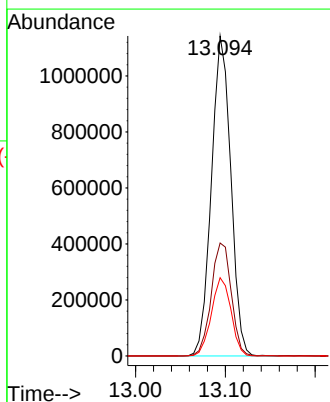
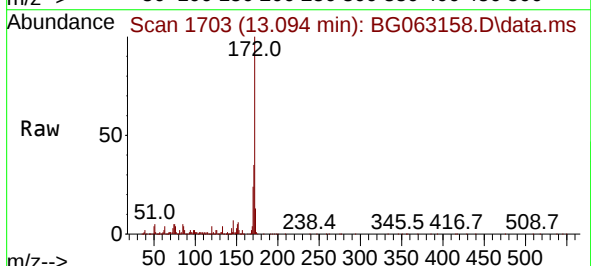
Manual Integrations
APPROVED

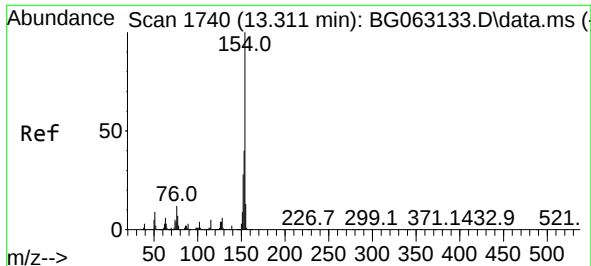
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#45
2-Fluorobiphenyl
Concen: 91.198 ng
RT: 13.094 min Scan# 1703
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

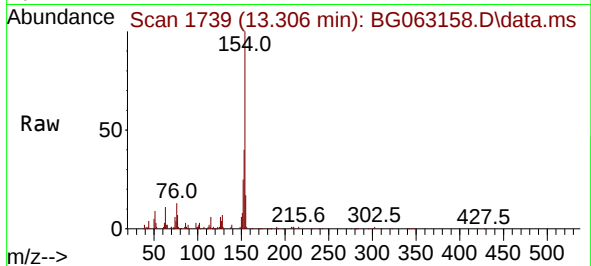
Tgt Ion:172 Resp: 1713087
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.4 19.4 29.2





#46
1,1'-Biphenyl
Concen: 4.543 ng
RT: 13.306 min Scan# 1739
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

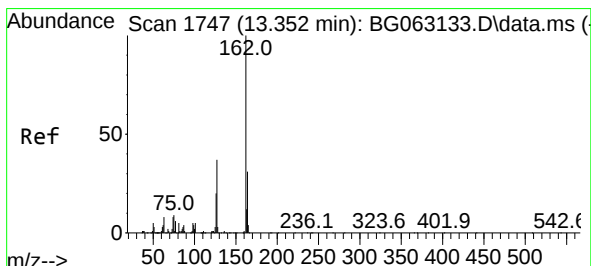
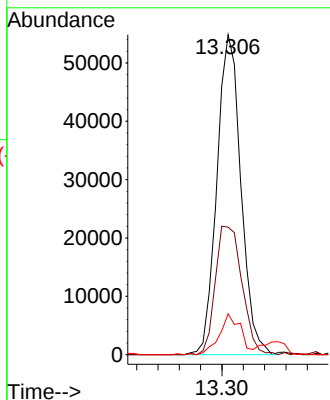
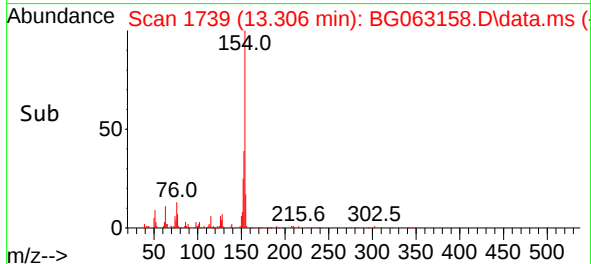
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:154 Resp: 8578
Ion Ratio Lower Upper
154 100
153 39.9 20.3 60.3
76 12.8 0.0 32.5

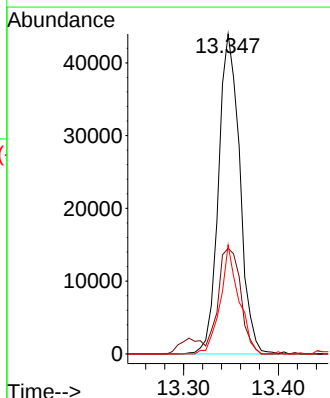
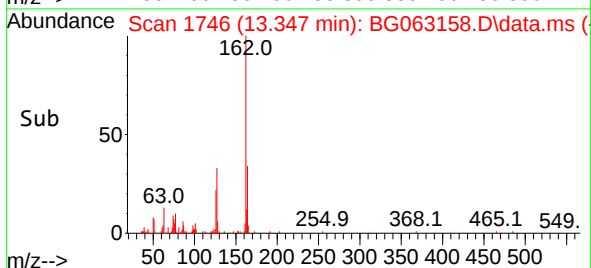
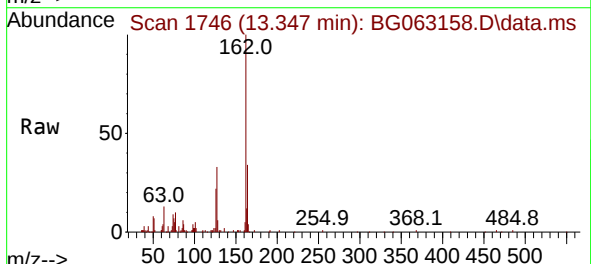
Manual Integrations
APPROVED

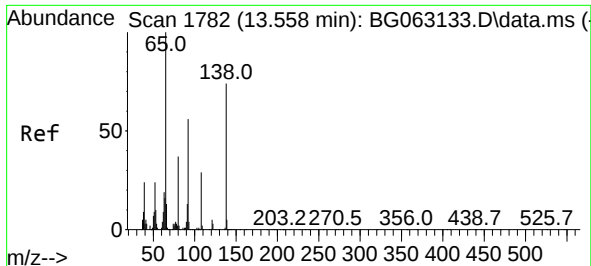
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#47
2-Chloronaphthalene
Concen: 4.329 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

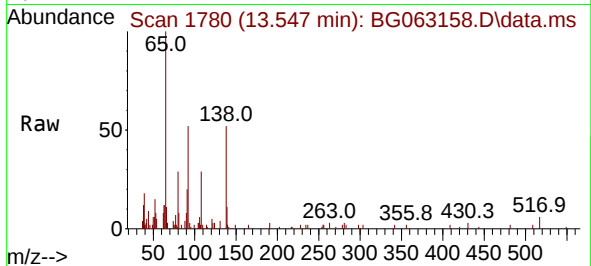
Tgt Ion:162 Resp: 68465
Ion Ratio Lower Upper
162 100
127 33.0 30.3 45.5
164 34.1 24.6 36.8





#48
2-Nitroaniline
Concen: 3.832 ng
RT: 13.547 min Scan# 1780
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

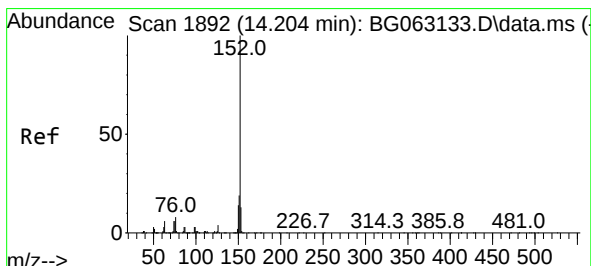
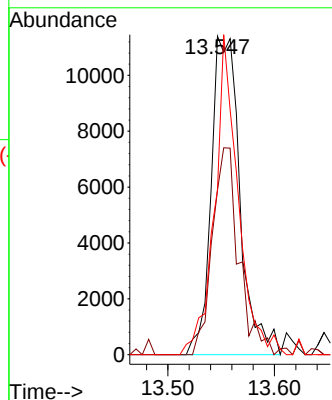
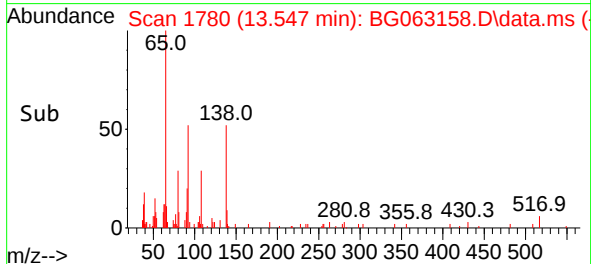
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



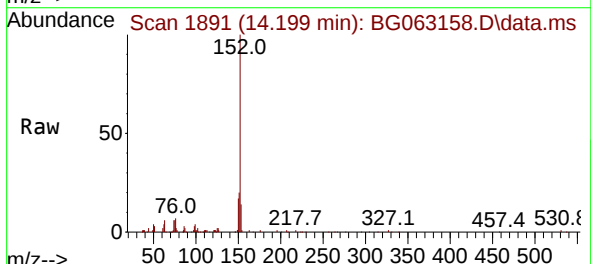
Tgt Ion: 65 Resp: 21268
Ion Ratio Lower Upper
65 100
92 51.6 44.6 66.8
138 51.8 59.0 88.4

Manual Integrations
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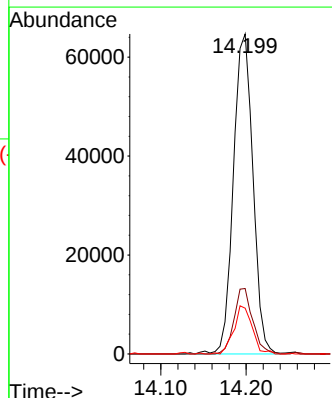
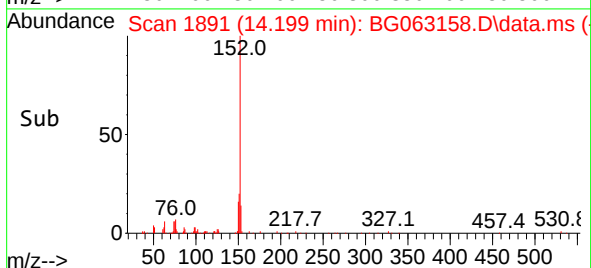
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

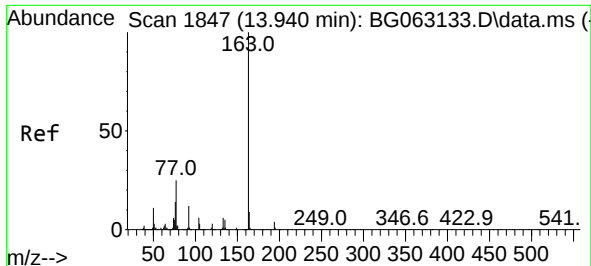


#49
Acenaphthylene
Concen: 4.617 ng
RT: 14.199 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



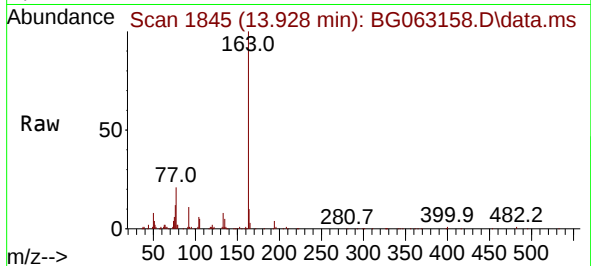
Tgt Ion:152 Resp: 103084
Ion Ratio Lower Upper
152 100
151 20.4 15.0 22.4
153 14.3 10.1 15.1





#50
Dimethylphthalate
Concen: 4.412 ng
RT: 13.928 min Scan# 1845
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

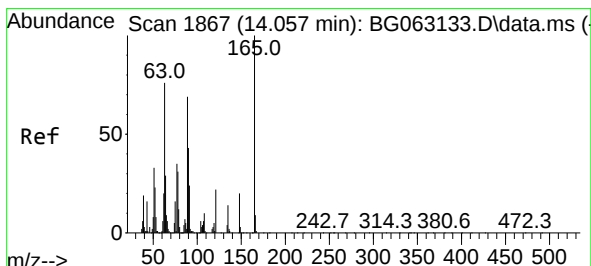
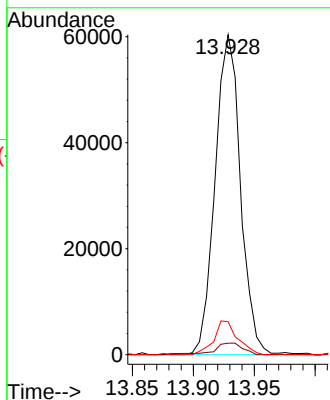
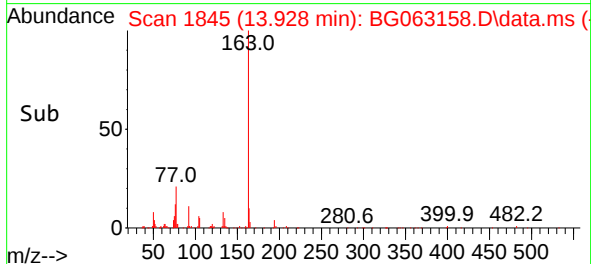
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



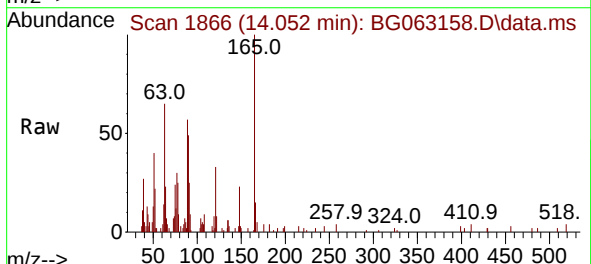
Tgt Ion:163 Resp: 8748
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.0
164 10.3 7.0 10.6

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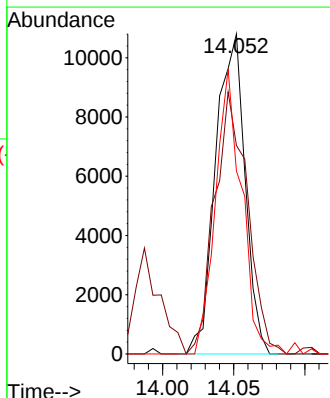
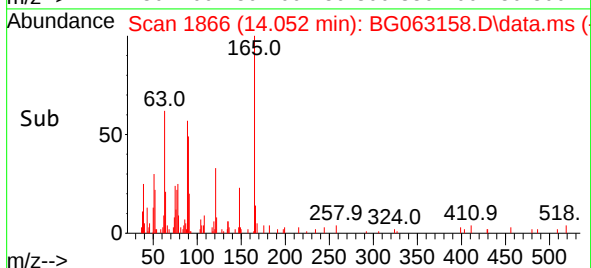
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

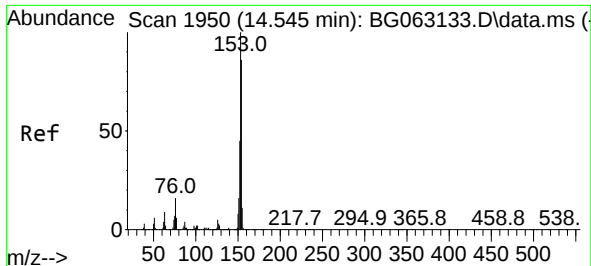


#51
2,6-Dinitrotoluene
Concen: 3.662 ng
RT: 14.052 min Scan# 1866
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



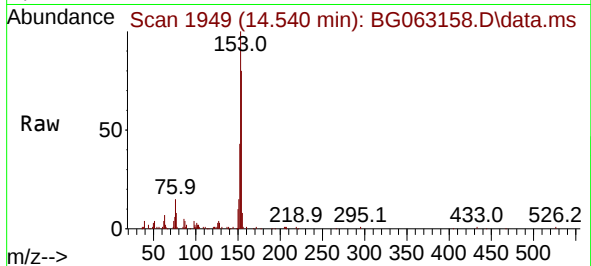
Tgt Ion:165 Resp: 15505
Ion Ratio Lower Upper
165 100
63 65.2 63.8 95.8
89 57.2 55.1 82.7





#52
Acenaphthene
Concen: 4.324 ng
RT: 14.540 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

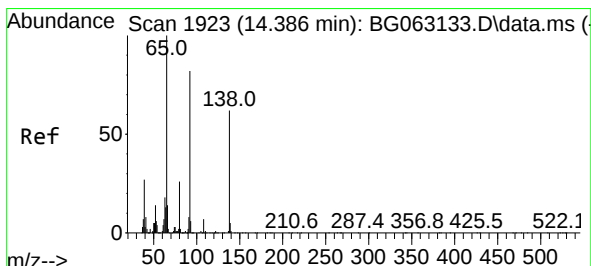
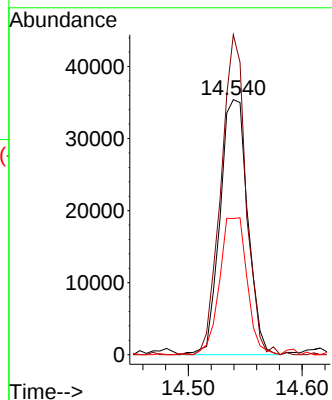
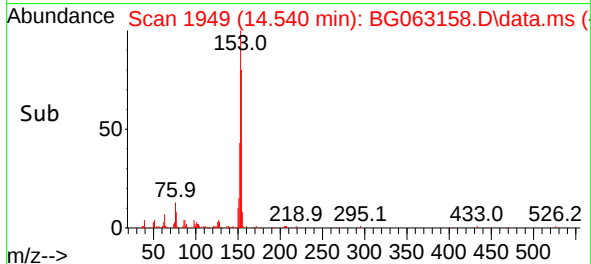
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



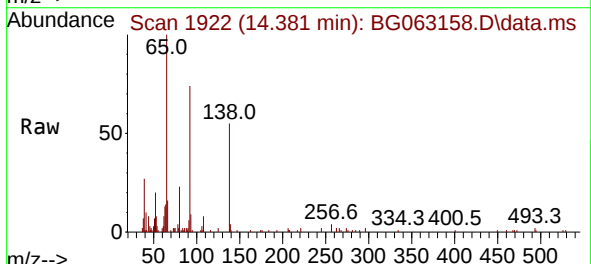
Tgt Ion:154 Resp: 5976
Ion Ratio Lower Upper
154 100
153 125.5 93.1 139.7
152 53.4 42.2 63.2

Manual Integrations
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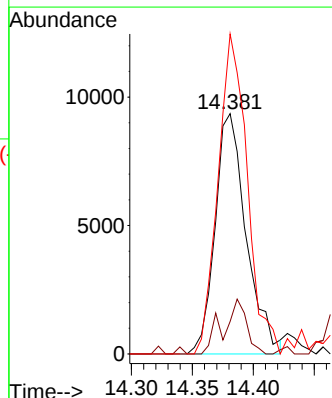
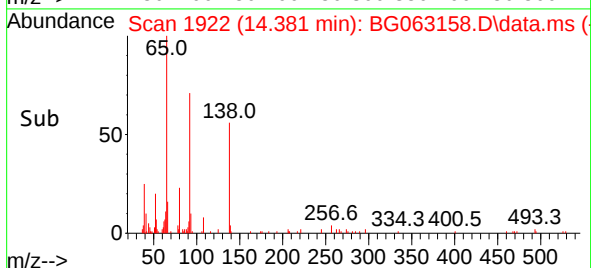
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

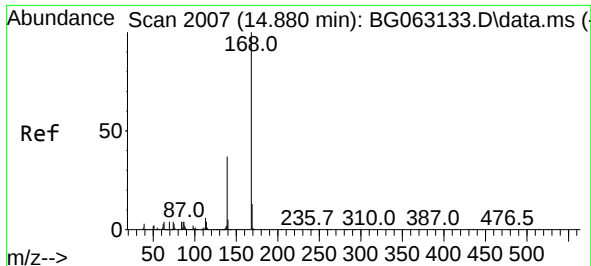


#53
3-Nitroaniline
Concen: 4.136 ng
RT: 14.381 min Scan# 1922
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



Tgt Ion:138 Resp: 16625
Ion Ratio Lower Upper
138 100
108 13.5 9.4 14.0
92 133.2 106.2 159.2





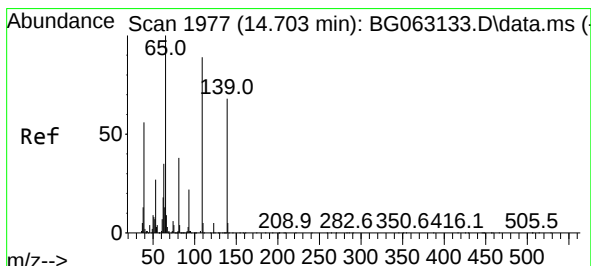
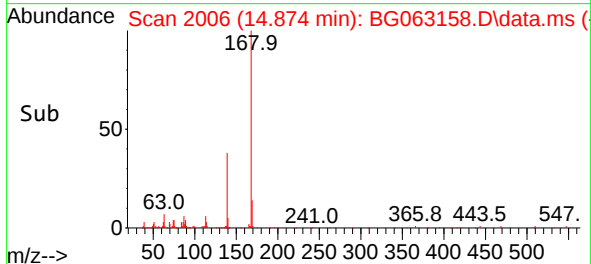
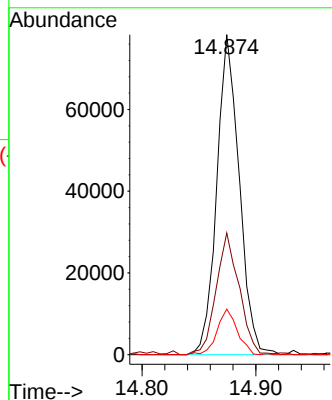
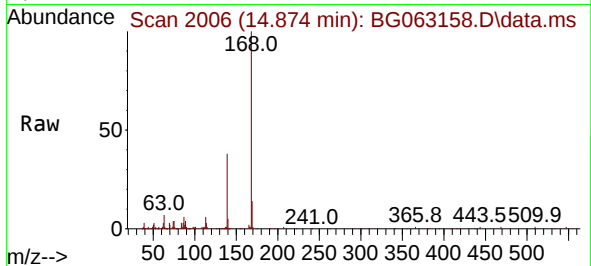
#55
Dibenzenofuran
Concen: 4.411 ng
RT: 14.874 min Scan# 2007
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:168 Resp: 10751
Ion Ratio Lower Upper
168 100
139 38.1 29.9 44.9
169 14.3 10.4 15.6

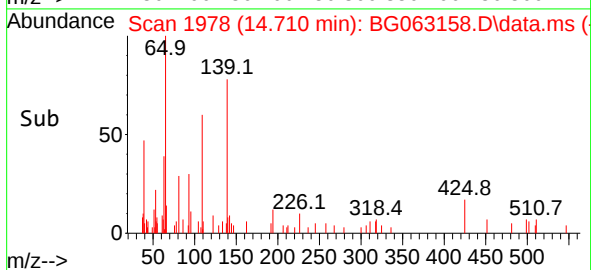
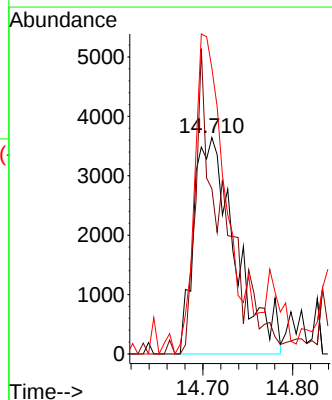
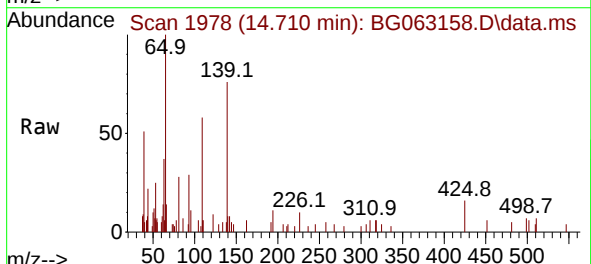
Manual Integrations
APPROVED

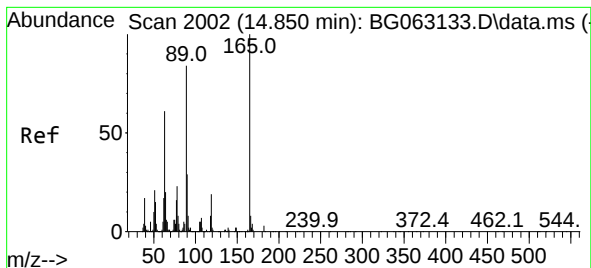
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#56
4-Nitrophenol
Concen: 3.812 ng m
RT: 14.710 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:139 Resp: 11600
Ion Ratio Lower Upper
139 100
109 76.4 112.0 152.0#
65 132.2 127.6 167.6





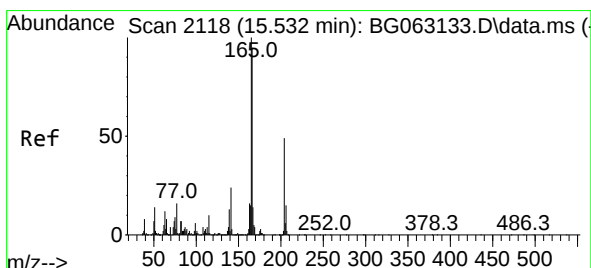
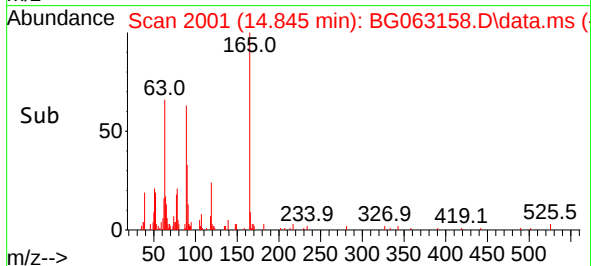
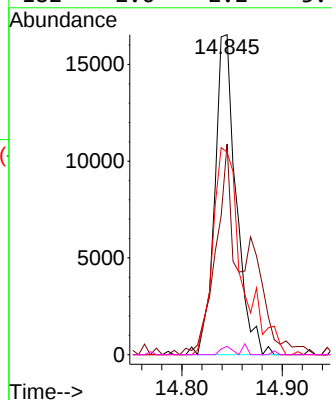
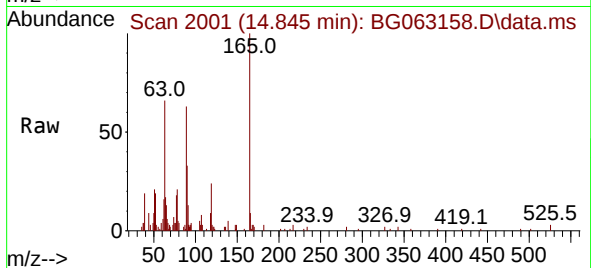
#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 14.845 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:165 Resp: 2446
Ion Ratio Lower Upper
165 100
63 65.9 49.0 73.4
89 63.3 67.4 101.0
182 2.6 2.2 3.4

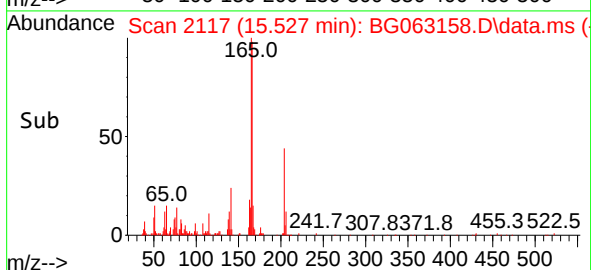
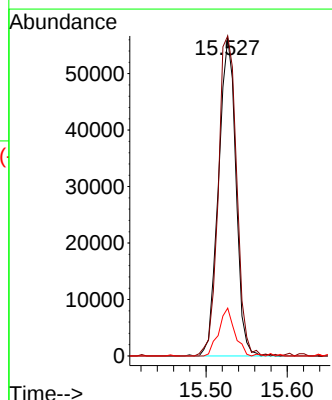
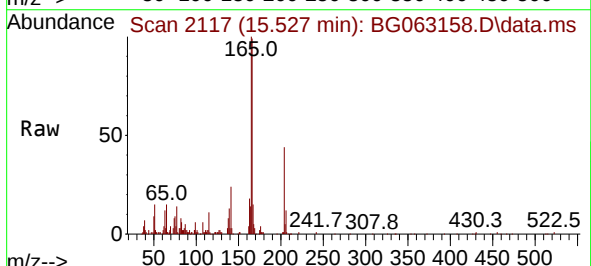
Manual Integrations
APPROVED

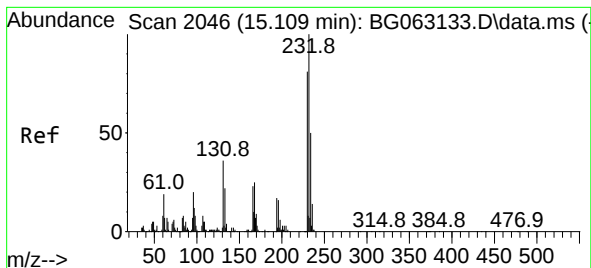
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#58
Fluorene
Concen: 4.347 ng
RT: 15.527 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

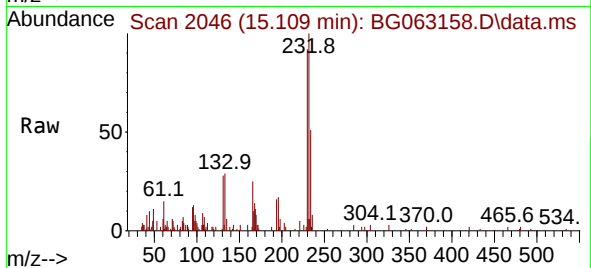
Tgt Ion:166 Resp: 83955
Ion Ratio Lower Upper
166 100
165 100.8 84.1 126.1
167 15.1 11.6 17.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.593 ng
RT: 15.109 min Scan# 2046
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

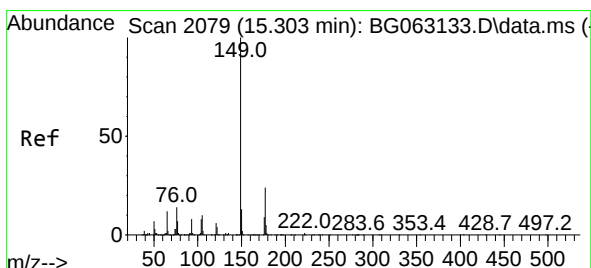
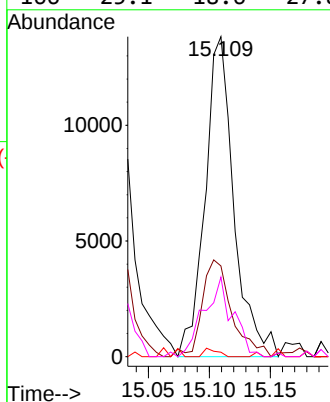
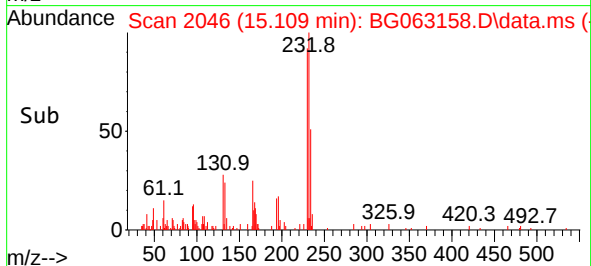
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



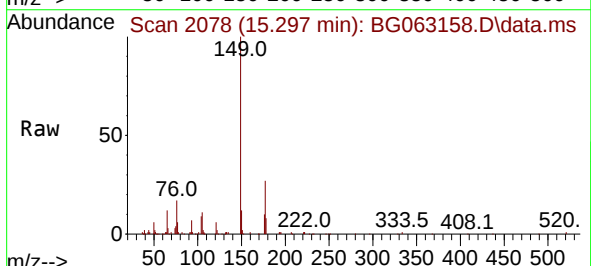
Tgt Ion:232 Resp: 2269
Ion Ratio Lower Upper
232 100
131 31.5 26.8 40.2
130 1.2 1.8 2.8
166 25.1 18.6 27.8

Manual Integrations
APPROVED

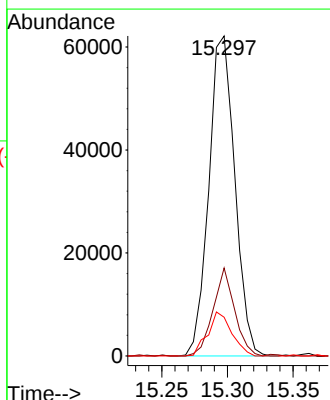
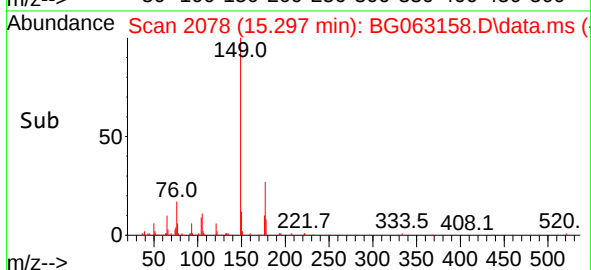
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

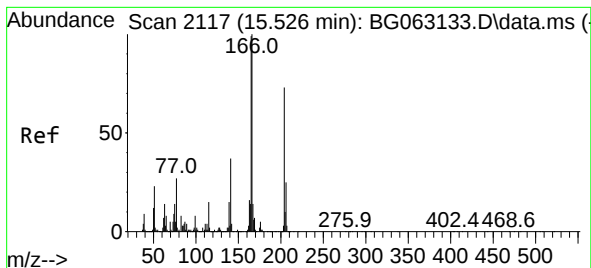


#60
Diethylphthalate
Concen: 4.206 ng
RT: 15.297 min Scan# 2078
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



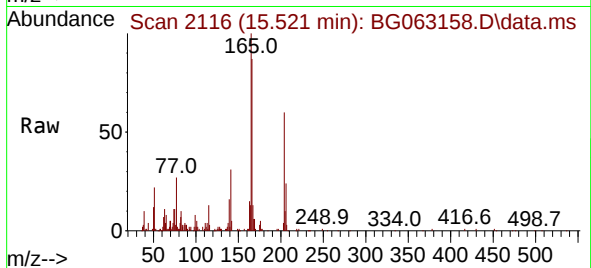
Tgt Ion:149 Resp: 85629
Ion Ratio Lower Upper
149 100
177 27.5 18.8 28.2
150 12.1 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 4.299 ng
RT: 15.521 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

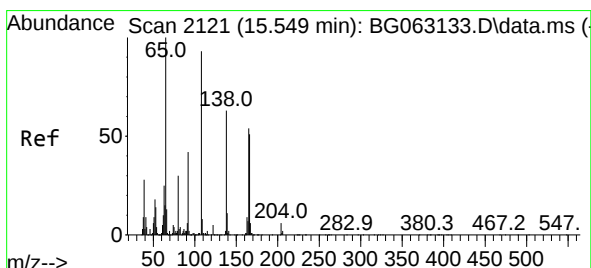
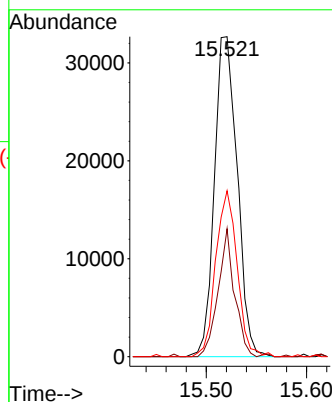
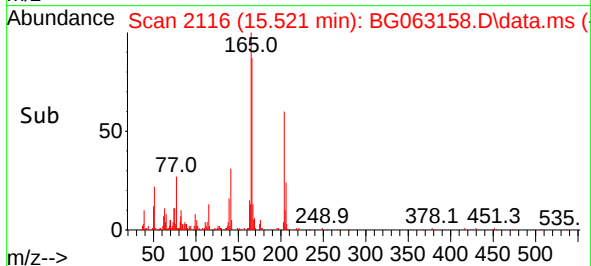
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:204 Resp: 51600
Ion Ratio Lower Upper
204 100
206 40.0 27.0 40.4
141 51.8 41.0 61.4

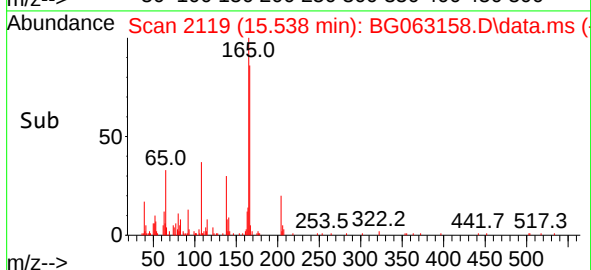
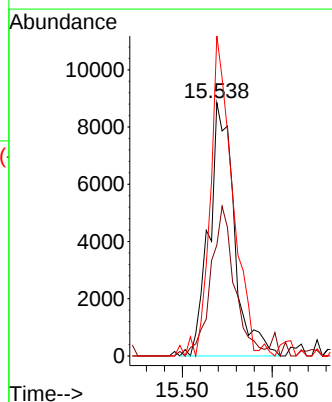
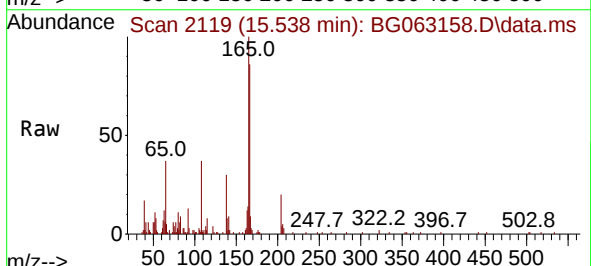
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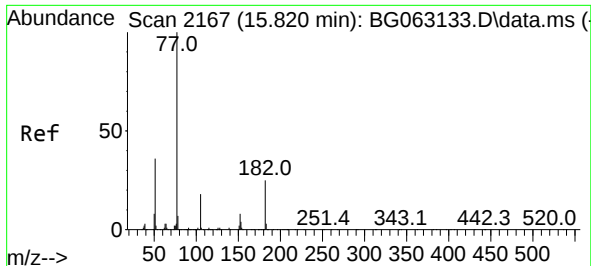
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#62
4-Nitroaniline
Concen: 3.892 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

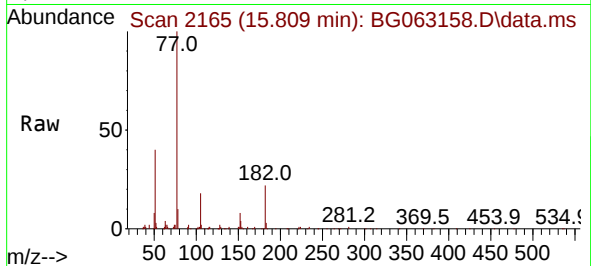
Tgt Ion:138 Resp: 17258
Ion Ratio Lower Upper
138 100
92 43.8 46.2 86.2#
108 126.4 126.8 166.8#





#63
Azobenzene
Concen: 4.208 ng
RT: 15.809 min Scan# 2167
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

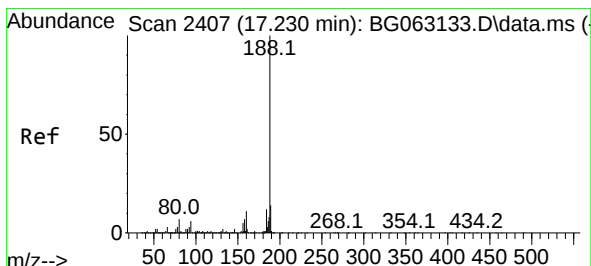
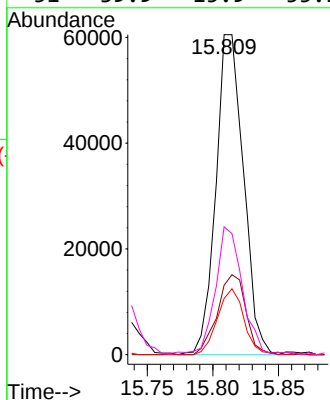
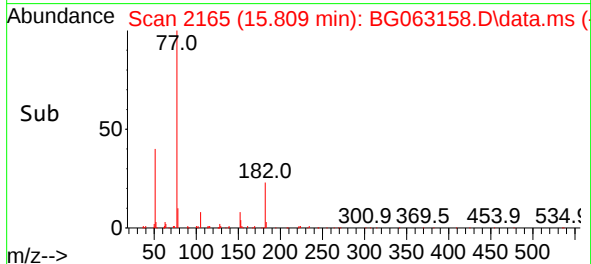
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 77 Resp: 8861
Ion Ratio Lower Upper
77 100
182 21.7 5.4 45.4
105 17.6 0.0 37.5
51 39.9 15.9 55.9

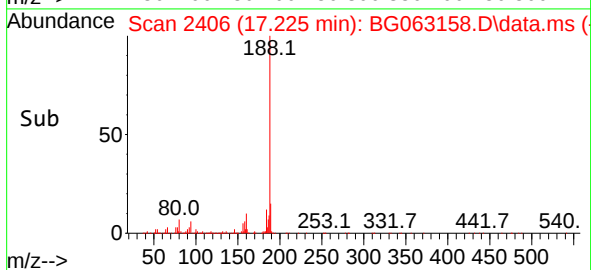
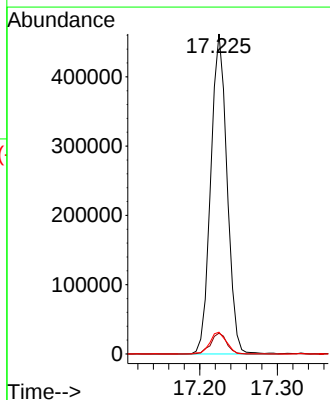
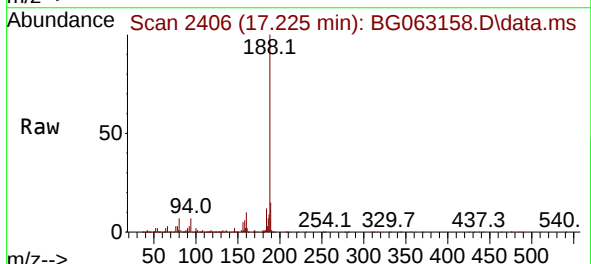
Manual Integrations
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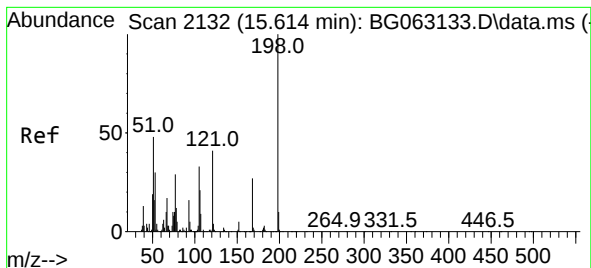
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

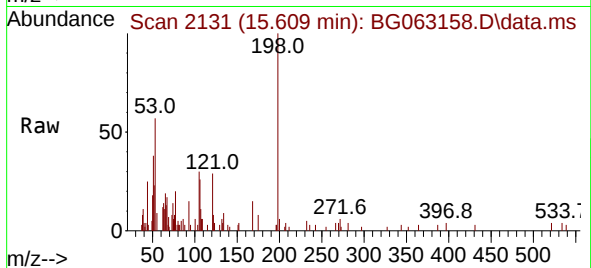
Tgt Ion:188 Resp: 675618
Ion Ratio Lower Upper
188 100
94 6.5 4.8 7.2
80 6.8 5.9 8.9





#65
4,6-Dinitro-2-methylphenol
Concen: 2.666 ng
RT: 15.609 min Scan# 2132
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

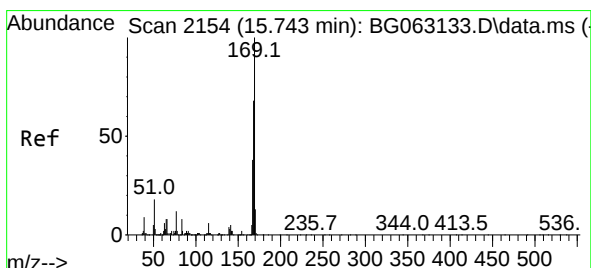
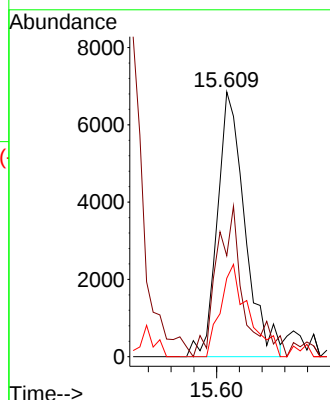
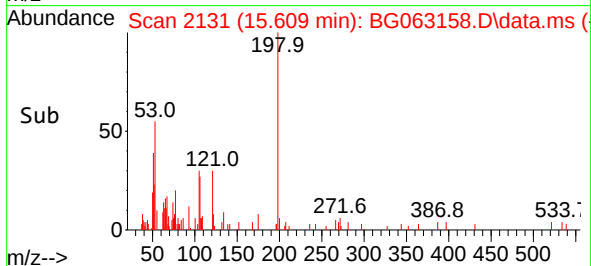
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



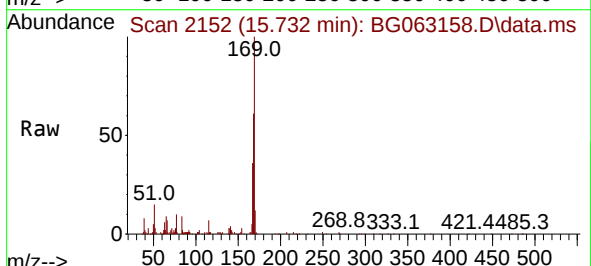
Tgt Ion:198 Resp: 11580
Ion Ratio Lower Upper
198 100
51 38.1 30.3 70.3
105 29.6 13.6 53.6

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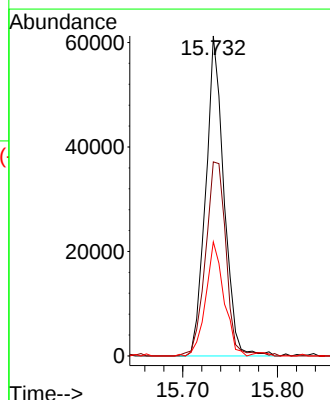
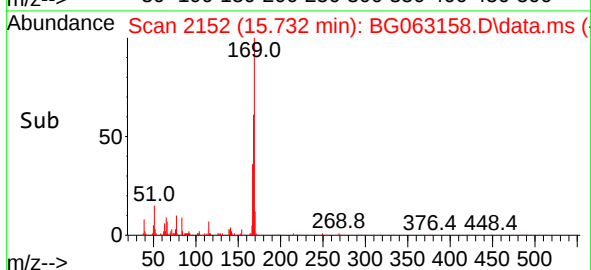
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

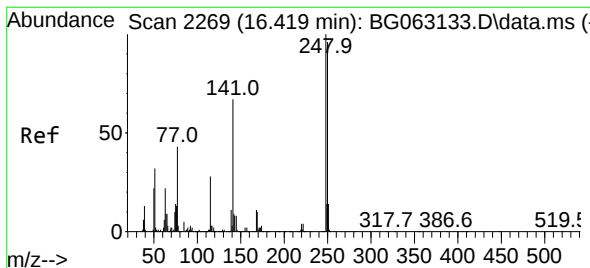


#66
n-Nitrosodiphenylamine
Concen: 4.832 ng
RT: 15.732 min Scan# 2152
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



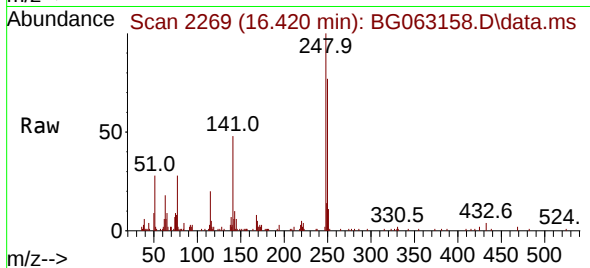
Tgt Ion:169 Resp: 81445
Ion Ratio Lower Upper
169 100
168 60.7 54.8 82.2
167 35.6 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 4.480 ng
RT: 16.420 min Scan# 2269
Delta R.T. 0.001 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

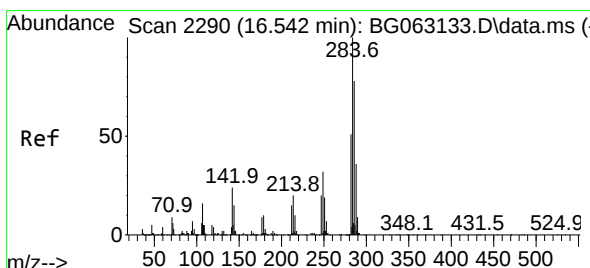
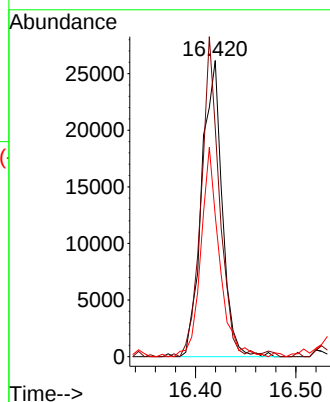
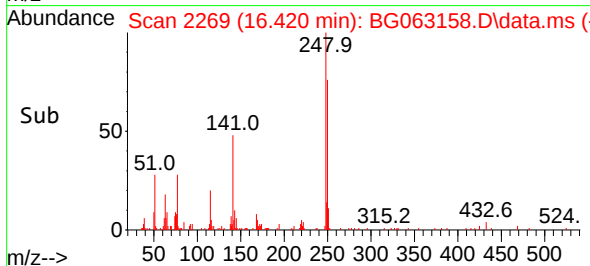
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



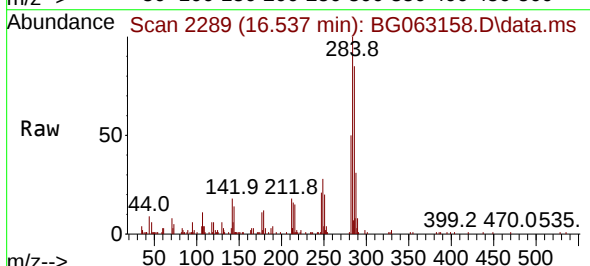
Tgt Ion:248 Resp: 3709
Ion Ratio Lower Upper
248 100
250 77.4 76.6 115.0
141 47.6 53.9 80.9

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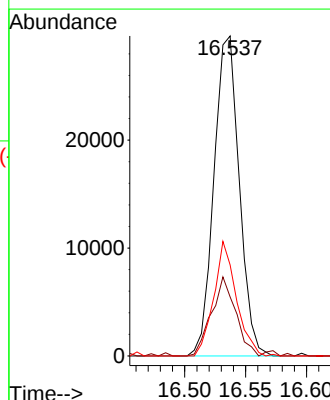
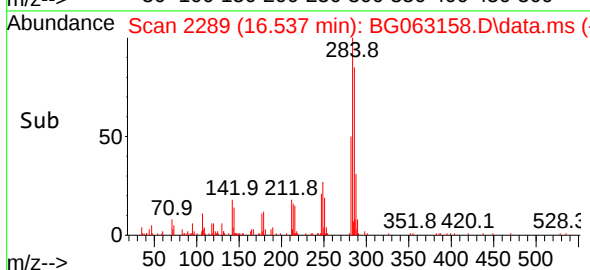
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

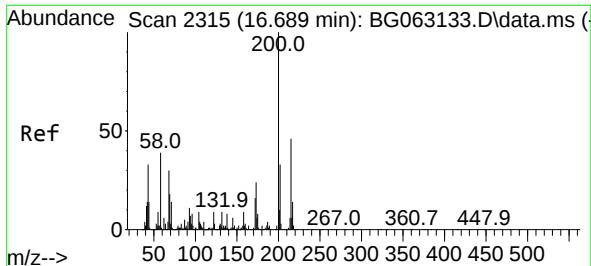


#68
Hexachlorobenzene
Concen: 4.461 ng
RT: 16.537 min Scan# 2289
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55



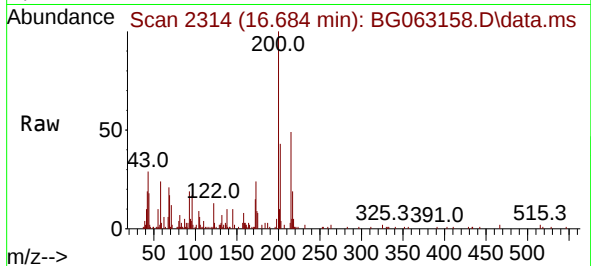
Tgt Ion:284 Resp: 42787
Ion Ratio Lower Upper
284 100
142 18.5 19.0 28.6#
249 28.5 25.8 38.8





#69
 Atrazine
 Concen: 4.517 ng
 RT: 16.684 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG063158.D
 Acq: 4 Nov 2024 16:55

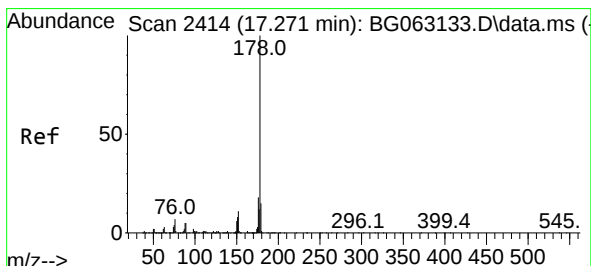
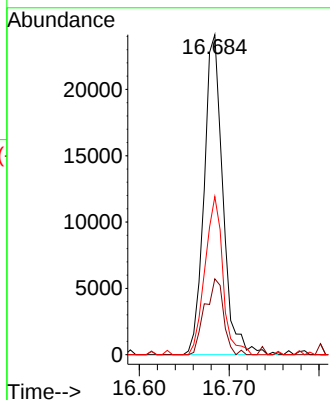
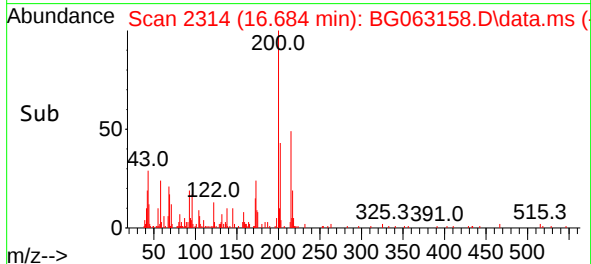
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:200 Resp: 34990
 Ion Ratio Lower Upper
 200 100
 173 23.7 3.6 43.6
 215 49.4 25.8 65.8

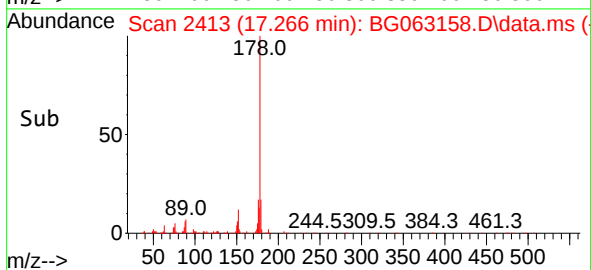
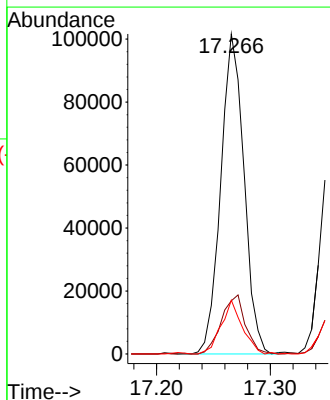
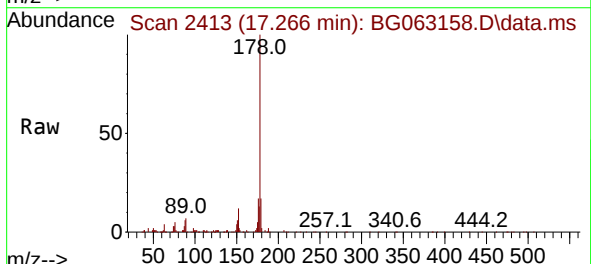
Manual Integrations
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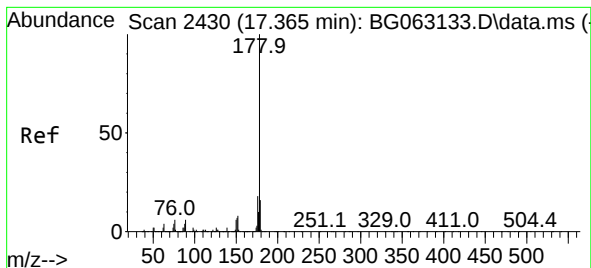
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#71
 Phenanthrene
 Concen: 4.406 ng
 RT: 17.266 min Scan# 2413
 Delta R.T. -0.005 min
 Lab File: BG063158.D
 Acq: 4 Nov 2024 16:55

Tgt Ion:178 Resp: 144311
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.6 22.0
 179 16.8 12.3 18.5





#72

Anthracene

Concen: 4.792 ng

RT: 17.360 min Scan# 2430

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:178 Resp: 154049

Ion Ratio Lower Upper

178 100

176 17.0 14.6 22.0

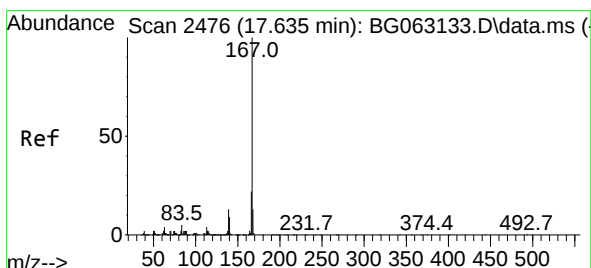
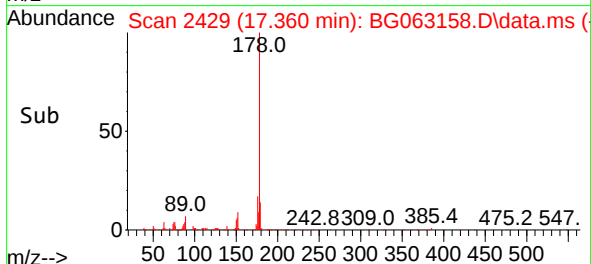
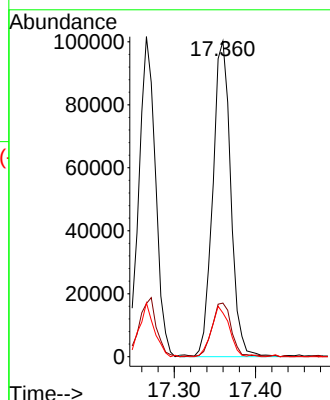
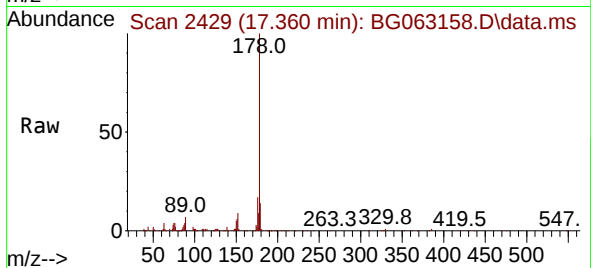
179 13.9 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#73

Carbazole

Concen: 4.521 ng

RT: 17.630 min Scan# 2475

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

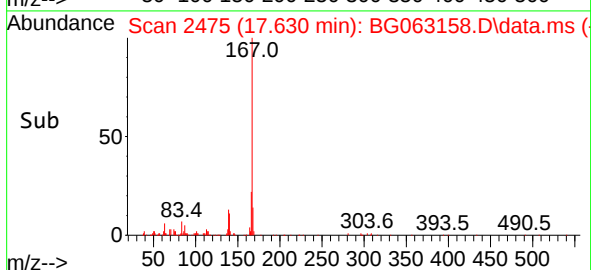
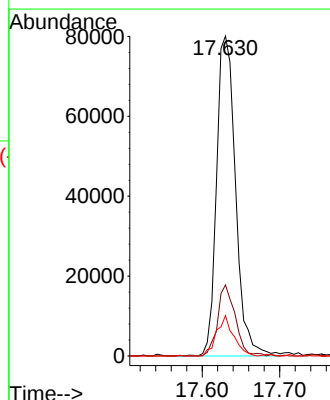
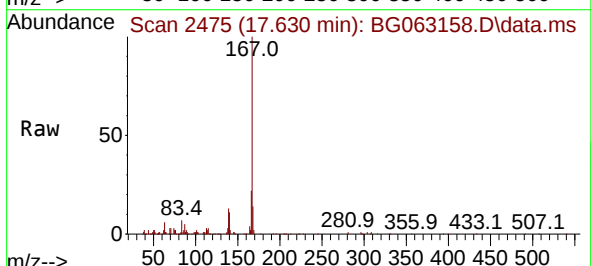
Tgt Ion:167 Resp: 136818

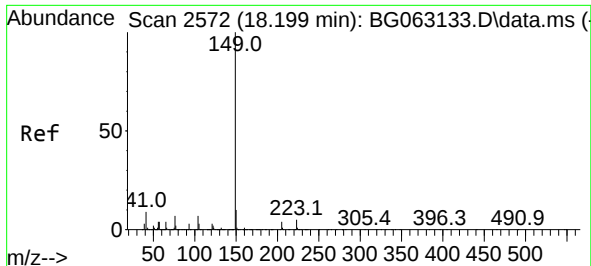
Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

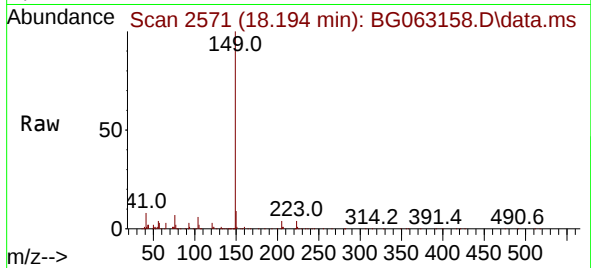
139 12.6 10.3 15.5





#74
Di-n-butylphthalate
Concen: 4.555 ng
RT: 18.194 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

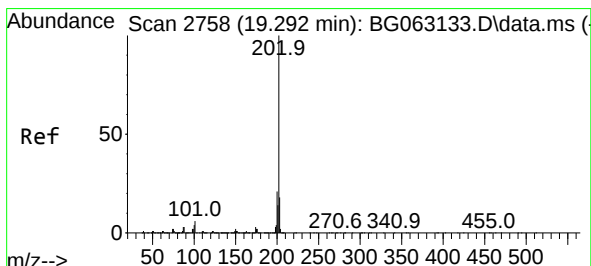
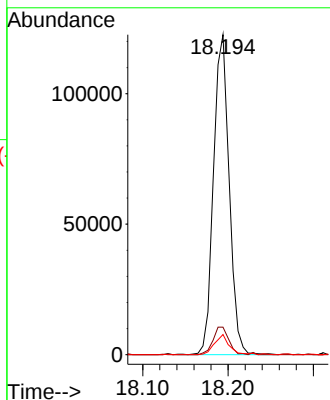
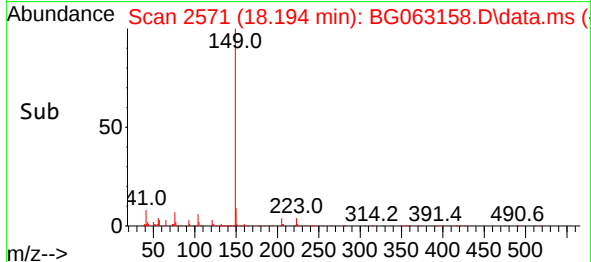
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:149 Resp: 156492
Ion Ratio Lower Upper
149 100
150 8.6 7.8 11.8
104 6.3 5.4 8.0

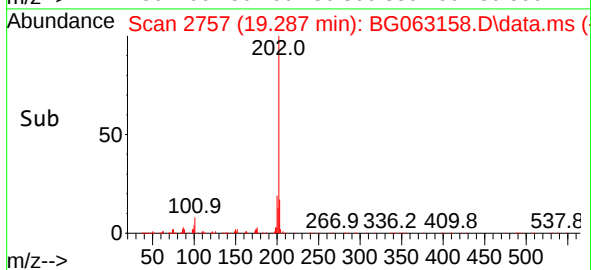
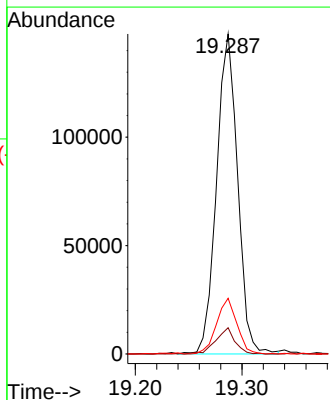
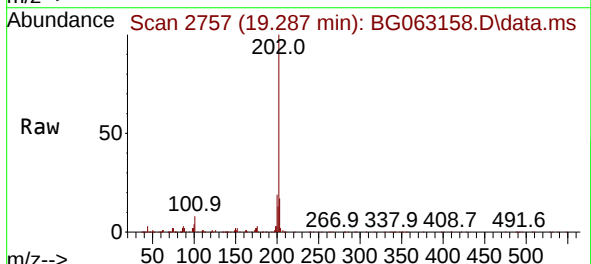
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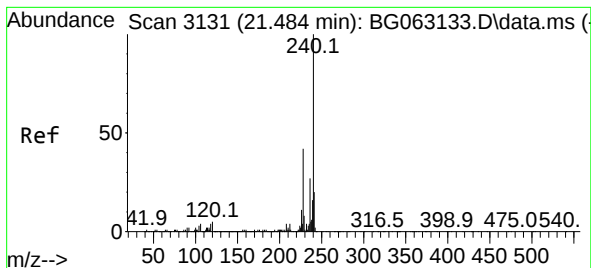
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#75
Fluoranthene
Concen: 4.366 ng
RT: 19.287 min Scan# 2757
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:202 Resp: 202409
Ion Ratio Lower Upper
202 100
101 8.2 0.0 25.8
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.473 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

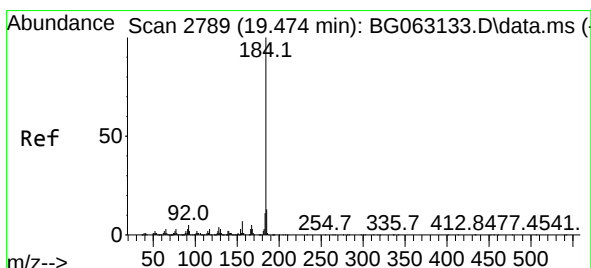
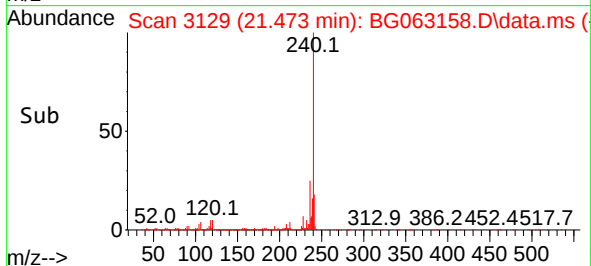
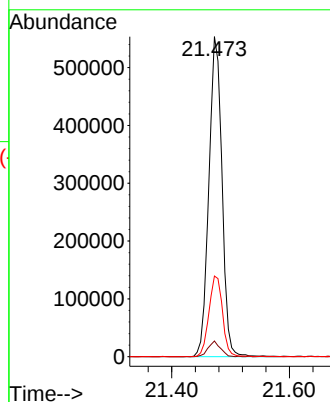
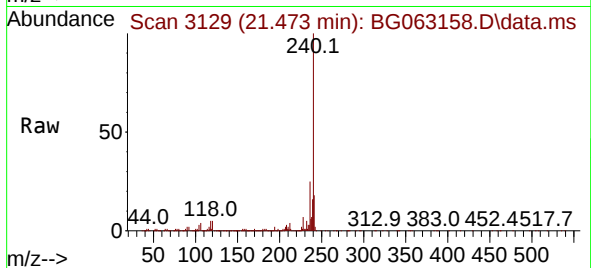
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:240 Resp: 854130
Ion Ratio Lower Upper
240 100
120 4.9 3.9 5.9
236 25.2 21.4 32.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#77

Benzidine

Concen: 7.737 ng

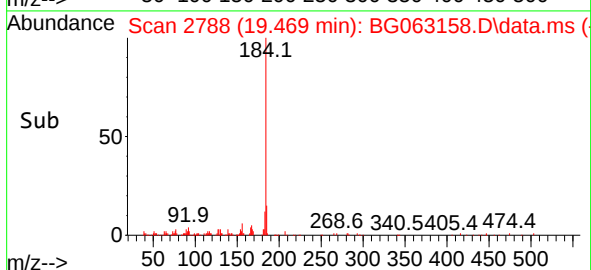
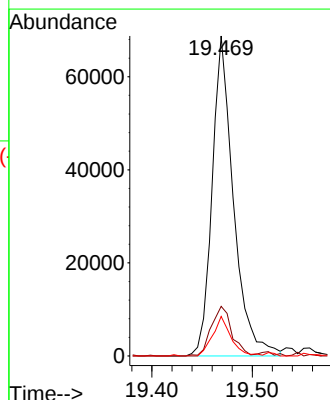
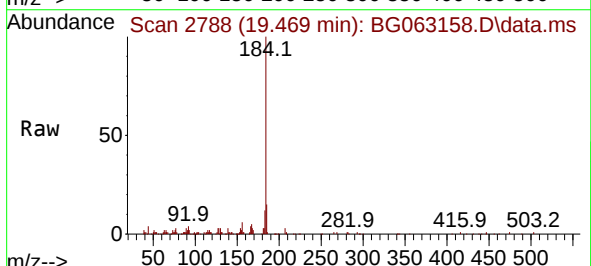
RT: 19.469 min Scan# 2788

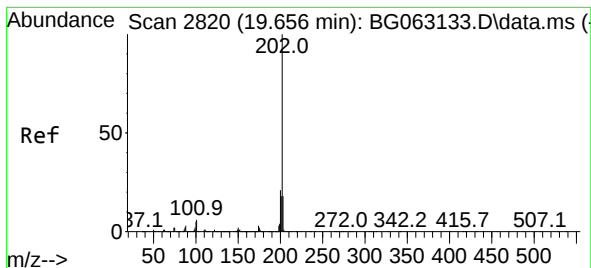
Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Tgt Ion:184 Resp: 101820
Ion Ratio Lower Upper
184 100
185 15.5 10.6 16.0
183 12.4 8.6 12.8





#78

Pyrene

Concen: 4.370 ng

RT: 19.651 min Scan# 2819

Delta R.T. -0.005 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

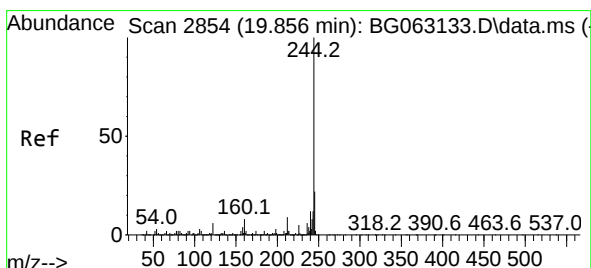
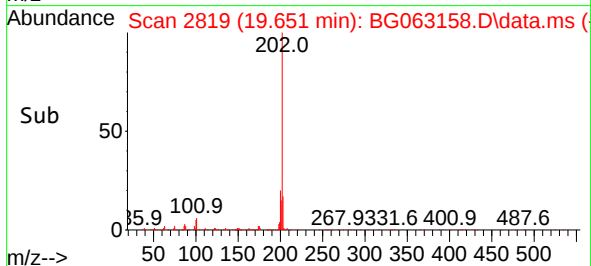
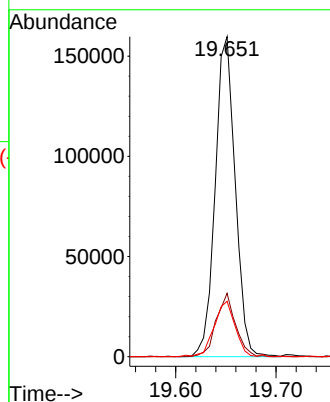
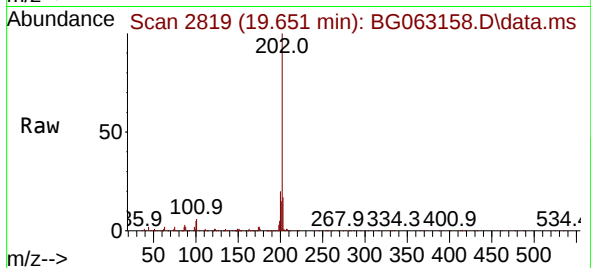
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:202 Resp: 221285
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.7 25.1
 203 17.3 14.2 21.2

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Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#79

Terphenyl-d14

Concen: 83.656 ng

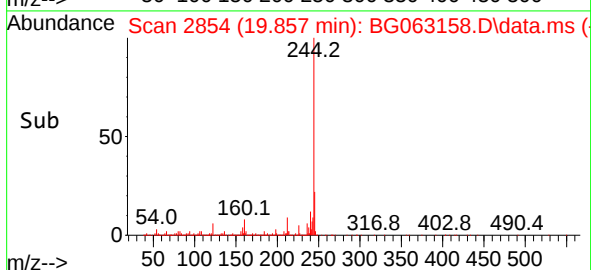
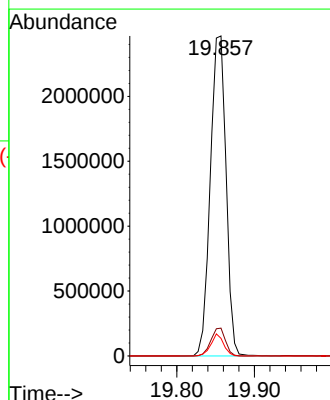
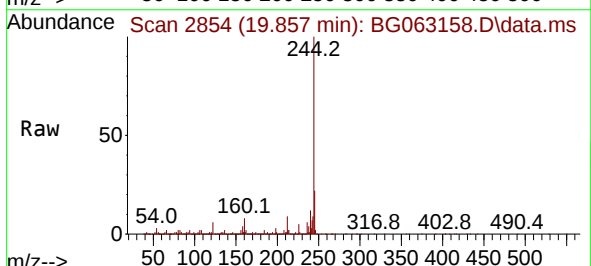
RT: 19.857 min Scan# 2854

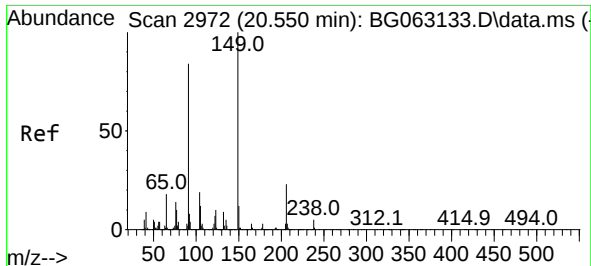
Delta R.T. 0.001 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Tgt Ion:244 Resp: 3472236
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.3 10.9
 122 5.5 4.8 7.2





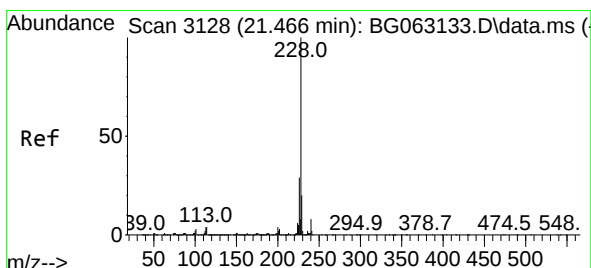
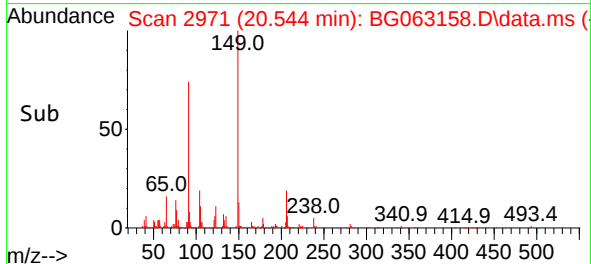
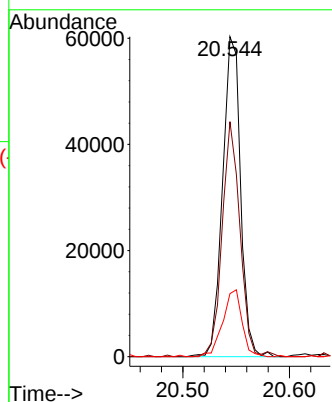
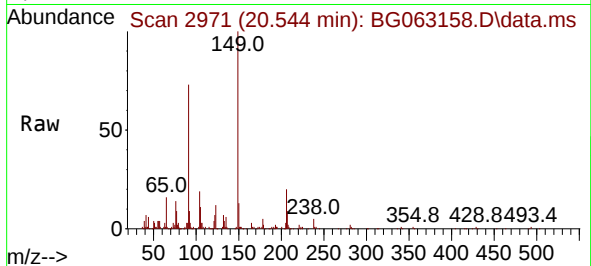
#80
Butylbenzylphthalate
Concen: 4.313 ng
RT: 20.544 min Scan# 2972
Delta R.T. -0.005 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:149 Resp: 7035
Ion Ratio Lower Upper
149 100
91 73.5 67.3 100.9
206 19.7 18.8 28.2

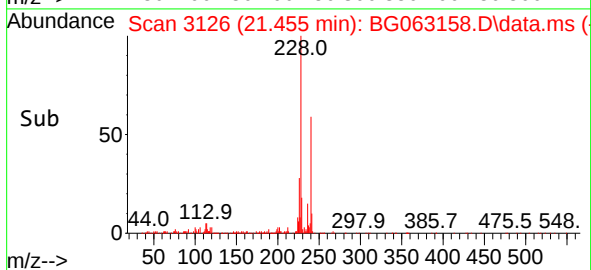
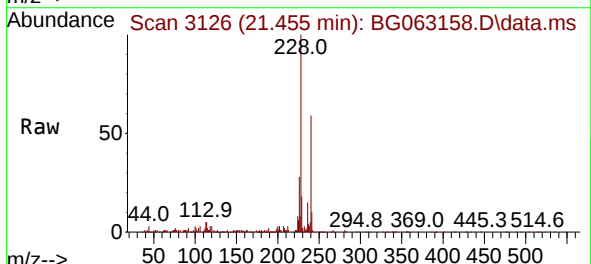
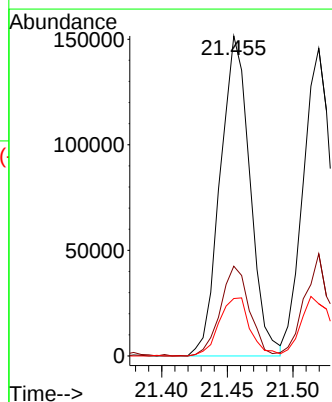
Manual Integrations
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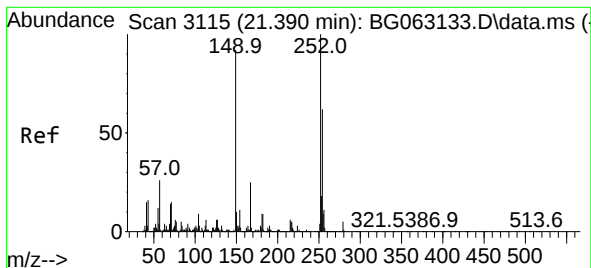
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#81
Benzo(a)anthracene
Concen: 4.450 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.011 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:228 Resp: 239354
Ion Ratio Lower Upper
228 100
226 28.1 23.5 35.3
229 17.9 16.2 24.2





#82

3,3'-Dichlorobenzidine

Concen: 4.348 ng

RT: 21.379 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

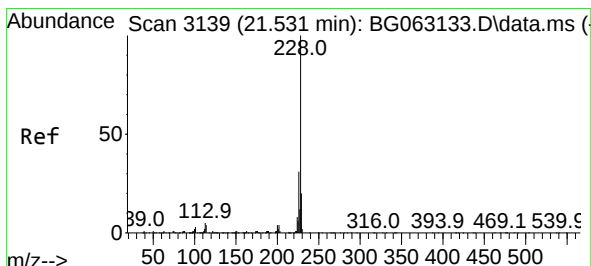
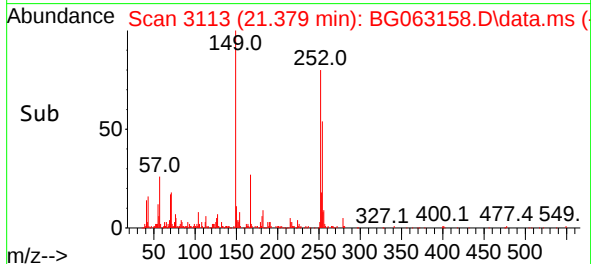
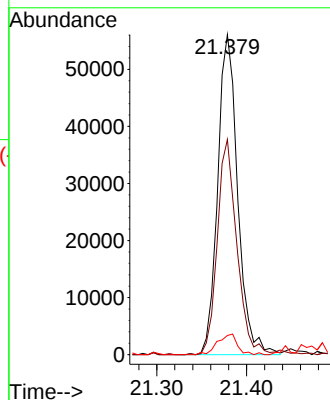
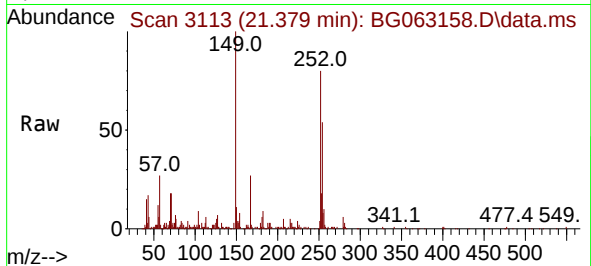
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	252	Resp:	86710
Ion Ratio	Lower	Upper	
252	100		
254	67.2	49.4	74.2
126	6.0	4.8	7.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#83

Chrysene

Concen: 4.328 ng

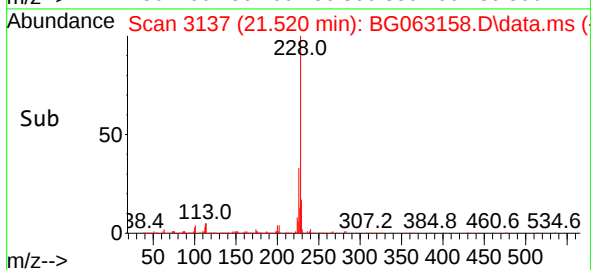
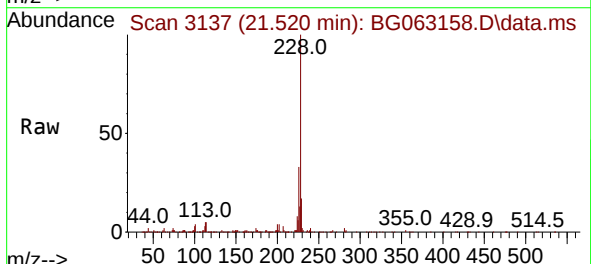
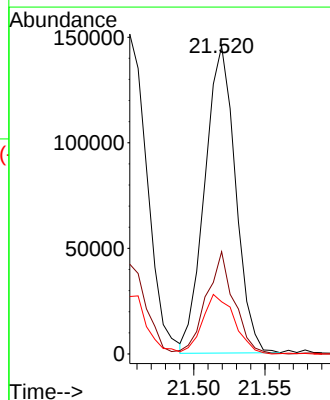
RT: 21.520 min Scan# 3137

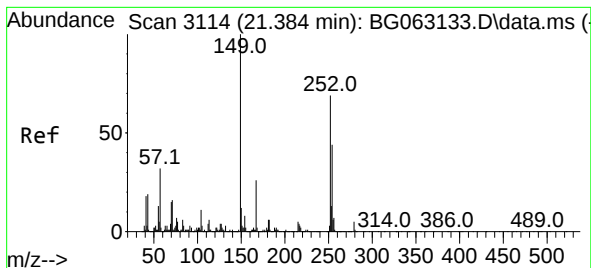
Delta R.T. -0.011 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Tgt Ion:	228	Resp:	218682
Ion Ratio	Lower	Upper	
228	100		
226	33.2	24.8	37.2
229	17.0	15.8	23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.142 ng

RT: 21.373 min Scan# 3112

Delta R.T. -0.011 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

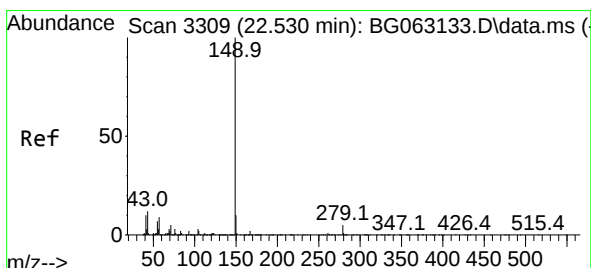
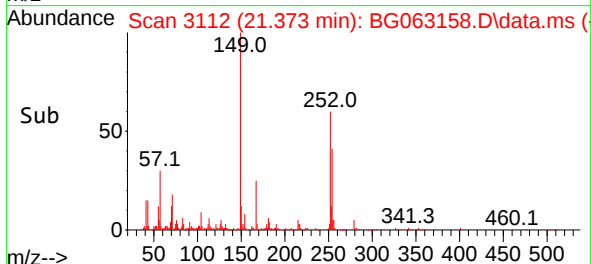
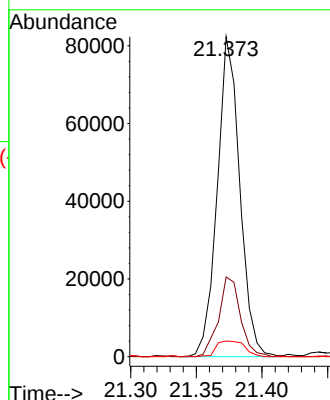
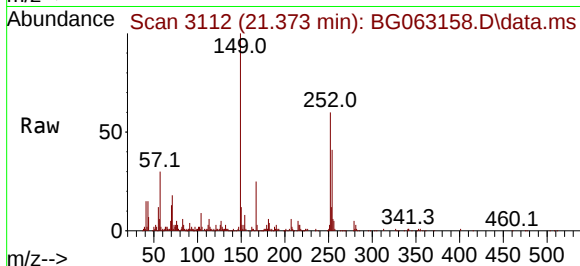
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:149	Resp: 98032
Ion Ratio	Lower Upper
149	100
167	24.9 20.6 31.0
279	4.9 4.3 6.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#85

Di-n-octyl phthalate

Concen: 4.049 ng

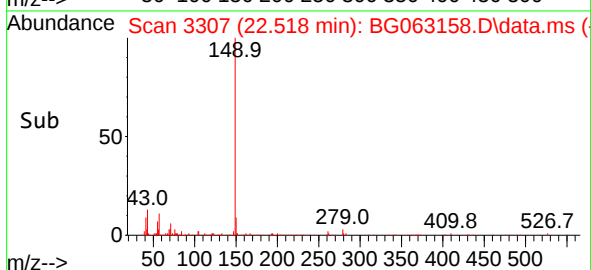
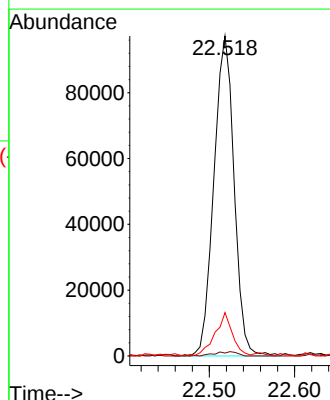
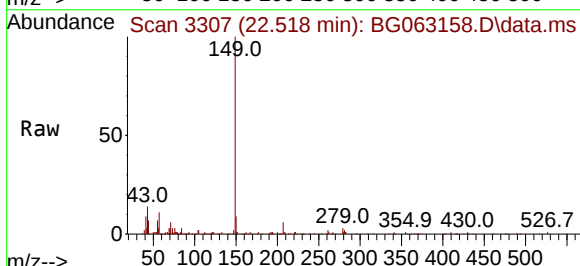
RT: 22.518 min Scan# 3307

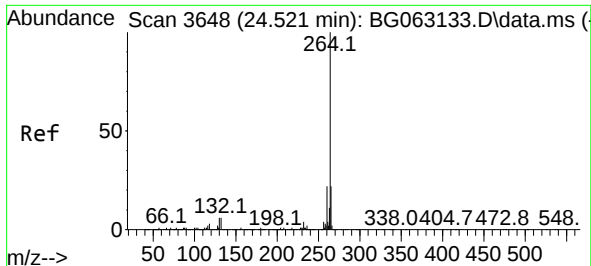
Delta R.T. -0.011 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Tgt Ion:149	Resp: 160302
Ion Ratio	Lower Upper
149	100
167	1.5 1.4 2.0
43	11.8 9.8 14.6





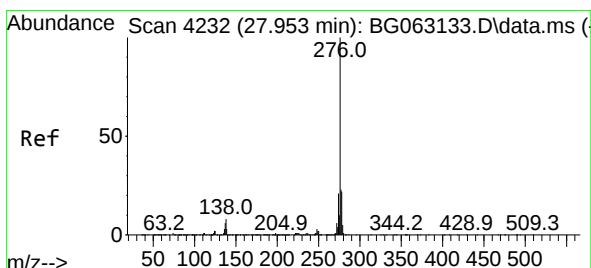
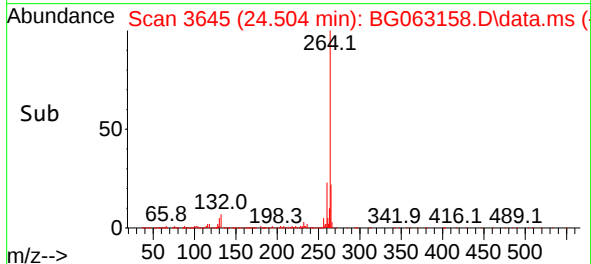
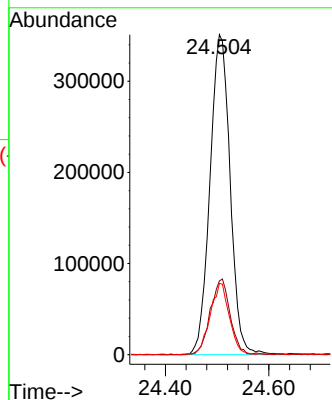
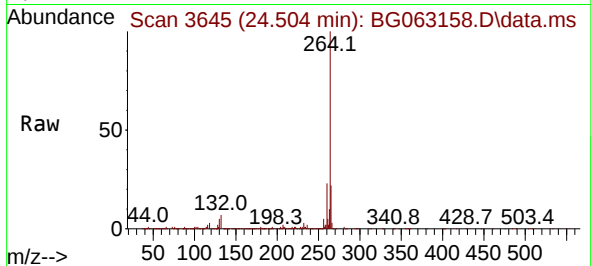
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.504 min Scan# 30
 Delta R.T. -0.017 min
 Lab File: BG063158.D
 Acq: 4 Nov 2024 16:55

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:264 Resp: 94851
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.4 26.2
 265 22.3 17.4 26.0

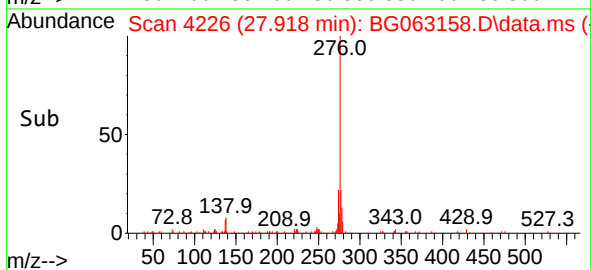
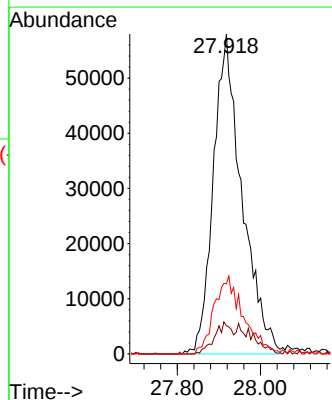
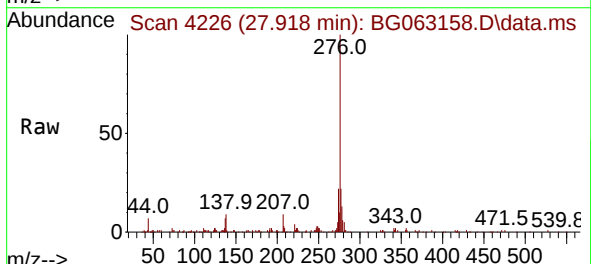
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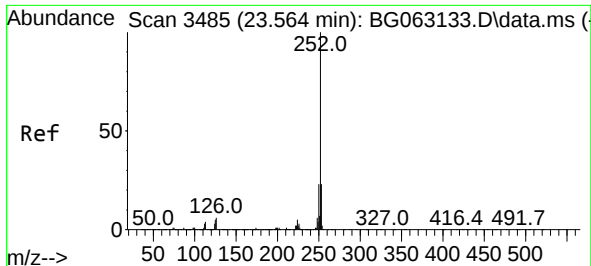
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.334 ng
 RT: 27.918 min Scan# 4226
 Delta R.T. -0.035 min
 Lab File: BG063158.D
 Acq: 4 Nov 2024 16:55

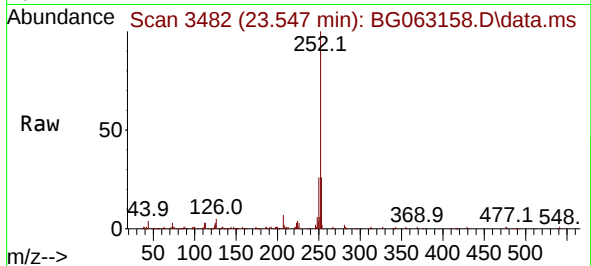
Tgt Ion:276 Resp: 275883
 Ion Ratio Lower Upper
 276 100
 138 6.0 8.3 12.5#
 277 24.8 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 4.057 ng
RT: 23.547 min Scan# 3485
Delta R.T. -0.017 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

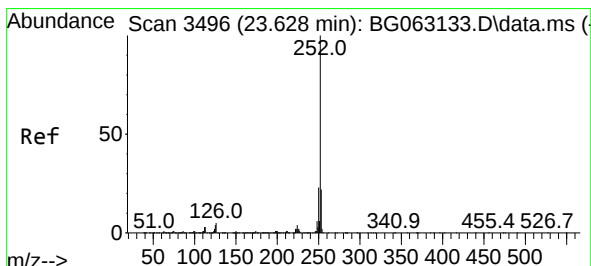
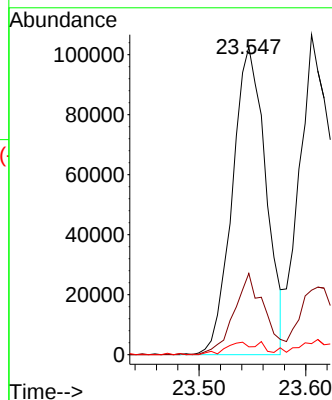
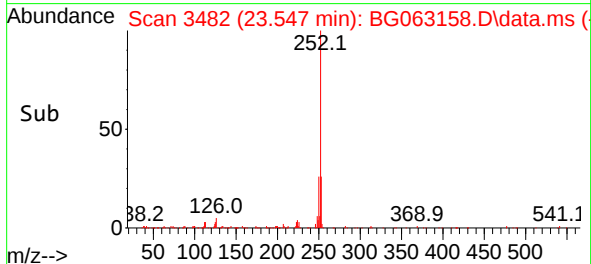
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:252 Resp: 224362
Ion Ratio Lower Upper
252 100
253 26.4 18.7 28.1
125 2.5 3.6 5.4

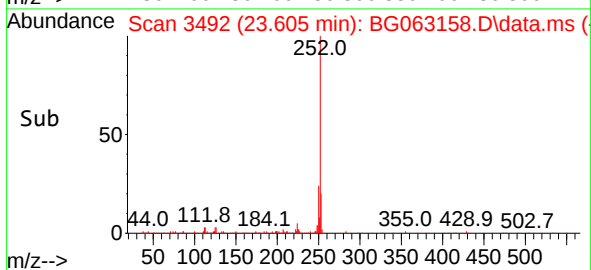
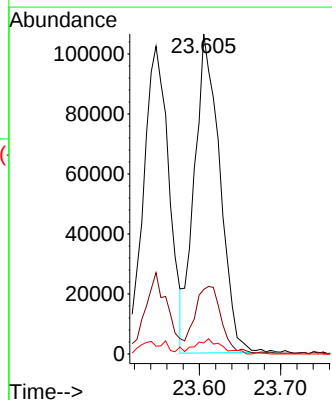
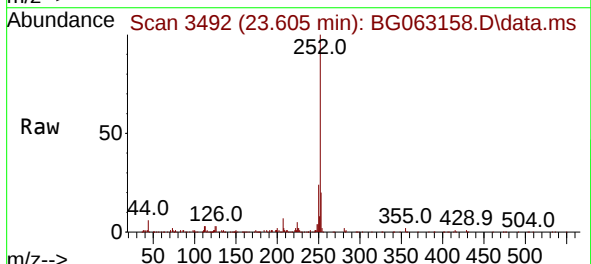
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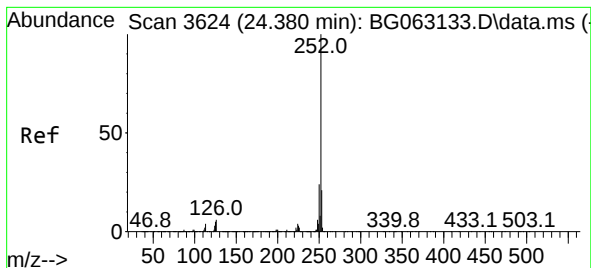
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#89
Benzo(k)fluoranthene
Concen: 4.391 ng
RT: 23.605 min Scan# 3492
Delta R.T. -0.023 min
Lab File: BG063158.D
Acq: 4 Nov 2024 16:55

Tgt Ion:252 Resp: 231667
Ion Ratio Lower Upper
252 100
253 20.2 17.4 26.2
125 3.4 3.0 4.6





#90

Benzo(a)pyrene

Concen: 4.466 ng

RT: 24.363 min Scan# 30

Delta R.T. -0.017 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

Instrument :

BNA_G

ClientSampleId :

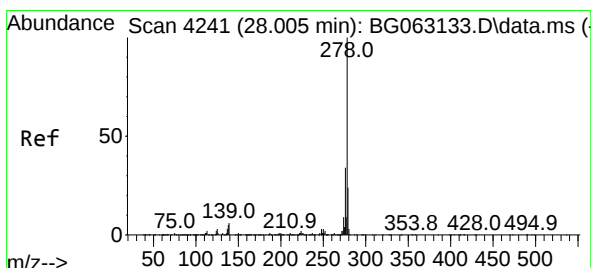
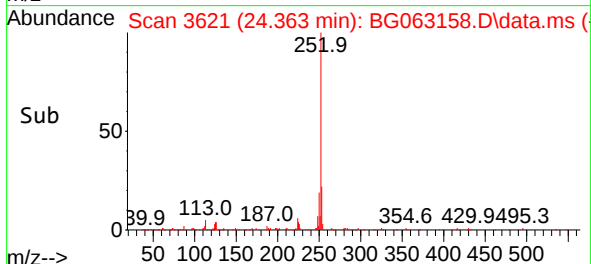
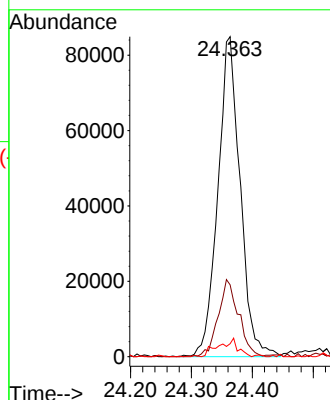
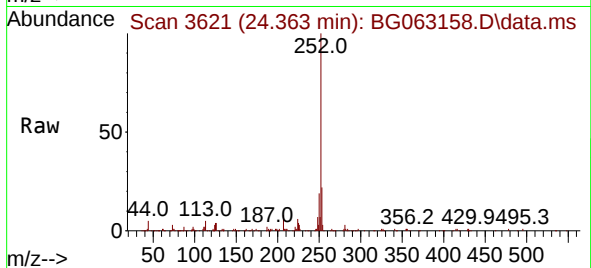
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:252 Resp: 21557
 Ion Ratio Lower Upper
 252 100
 253 22.4 16.9 25.3
 125 4.1 3.7 5.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#91

Dibenzo(a,h)anthracene

Concen: 4.159 ng

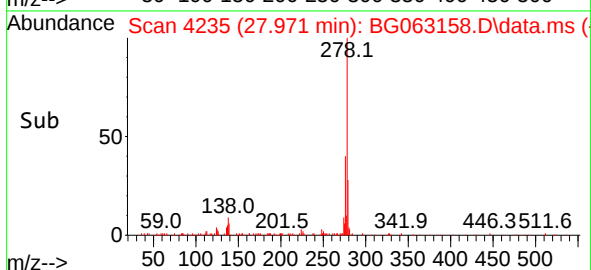
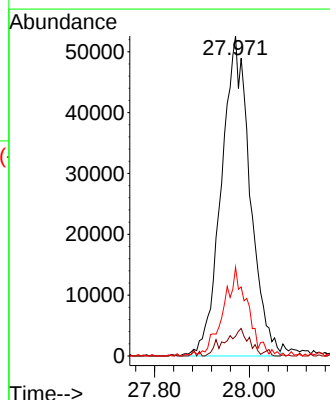
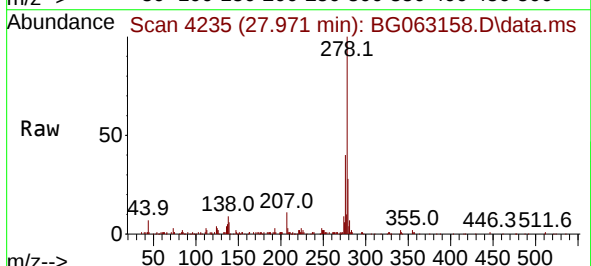
RT: 27.971 min Scan# 4235

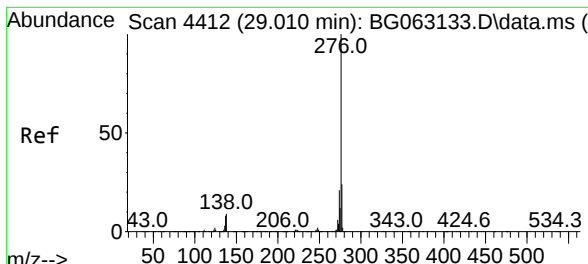
Delta R.T. -0.035 min

Lab File: BG063158.D

Acq: 4 Nov 2024 16:55

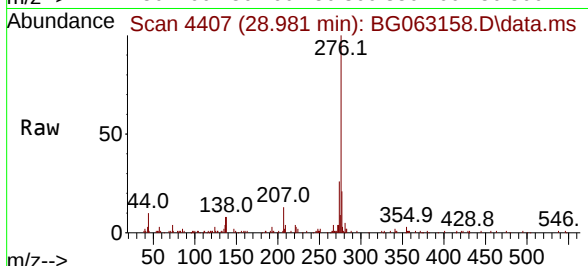
Tgt Ion:278 Resp: 221021
 Ion Ratio Lower Upper
 278 100
 139 6.2 5.0 7.6
 279 27.8 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.871 ng
 RT: 28.981 min Scan# 44
 Delta R.T. -0.029 min
 Lab File: BG063158.D
 Acq: 4 Nov 2024 16:55

Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 276 Resp: 20331

Ion	Ratio	Lower	Upper
276	100		
277	21.2	19.3	28.9
138	8.5	7.0	10.4

Manual Integrations
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 Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

