

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064647.D
 Acq On : 30 Oct 2025 19:10
 Operator : RC/JU
 Sample : Q3477-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 04 04:38:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	28646	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	111941	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	83580	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	207248	20.000	ng	0.00
76) Chrysene-d12	21.854	240	272663	20.000	ng	0.00
86) Perylene-d12	25.191	264	307310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	206418	120.949	ng	0.00
7) Phenol-d6	7.353	99	265568	113.400	ng	0.00
23) Nitrobenzene-d5	9.381	82	199124	106.841	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	189611	157.183	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	497684	90.256	ng	0.00
79) Terphenyl-d14	20.168	244	1176517	81.430	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.593	88	28942	38.304	ng	# 61
3) Pyridine	4.010	79	74402	32.790	ng	97
4) n-Nitrosodimethylamine	3.905	42	55293	45.442	ng	96
6) Aniline	7.530	93	53161	16.682	ng	98
8) 2-Chlorophenol	7.777	128	84964	47.563	ng	96
9) Benzaldehyde	7.336	77	36964	28.912	ng	93
10) Phenol	7.383	94	98411	37.998	ng	96
11) bis(2-Chloroethyl)ether	7.624	93	76633	40.245	ng	94
12) 1,3-Dichlorobenzene	8.111	146	85832	41.747	ng	95
13) 1,4-Dichlorobenzene	8.252	146	88541	42.353	ng	94
14) 1,2-Dichlorobenzene	8.576	146	87617	43.452	ng	99
15) Benzyl Alcohol	8.446	79	87214	45.161	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.740	45	204991	41.041	ng	98
17) 2-Methylphenol	8.646	107	74413	43.275	ng	98
18) Hexachloroethane	9.322	117	32711	44.588	ng	90
19) n-Nitroso-di-n-propyla...	9.022	70	72253	44.643	ng	98
20) 3+4-Methylphenols	8.975	107	102366	42.331	ng	96
22) Acetophenone	9.040	105	152262	49.758	ng	98
24) Nitrobenzene	9.422	77	104179	51.393	ng	98
25) Isophorone	9.950	82	194169	43.418	ng	97
26) 2-Nitrophenol	10.144	139	46097	58.224	ng	# 93
27) 2,4-Dimethylphenol	10.191	122	84919	51.048	ng	96
28) bis(2-Chloroethoxy)met...	10.432	93	112252	44.085	ng	98
29) 2,4-Dichlorophenol	10.679	162	88804	49.604	ng	98
30) 1,2,4-Trichlorobenzene	10.902	180	101532	49.915	ng	97
31) Naphthalene	11.096	128	272765	43.949	ng	98
32) Benzoic acid	10.309	122	56842m	45.229	ng	
33) 4-Chloroaniline	11.190	127	9621	3.988	ng	# 91
34) Hexachlorobutadiene	11.384	225	76798	48.277	ng	97
35) Caprolactam	11.948	113	23250m	33.861	ng	
36) 4-Chloro-3-methylphenol	12.295	107	101264	47.058	ng	97
37) 2-Methylnaphthalene	12.688	142	186645	40.961	ng	96
38) 1-Methylnaphthalene	12.906	142	189094	41.919	ng	99
40) 1,2,4,5-Tetrachloroben...	13.047	216	154616	55.121	ng	98
41) Hexachlorocyclopentadiene	13.035	237	176830	140.058	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	88655	55.254	ng	98

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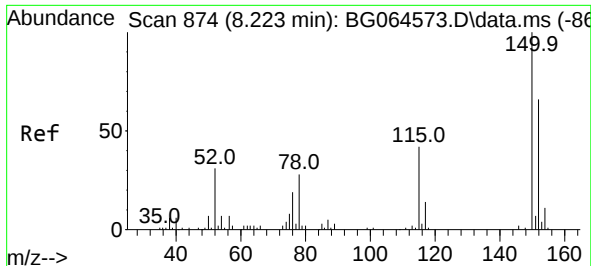
Quant Time: Nov 04 04:38:01 2025
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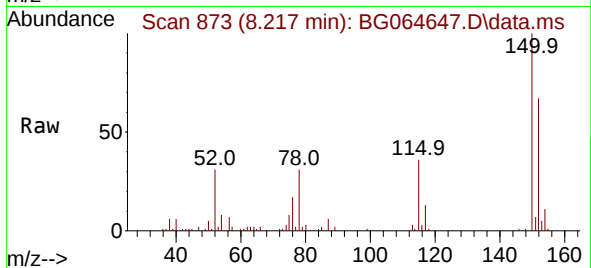
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	98023	52.940	ng	98
46) 1,1'-Biphenyl	13.681	154	311473	52.419	ng	95
47) 2-Chloronaphthalene	13.722	162	212447	47.367	ng	100
48) 2-Nitroaniline	13.911	65	82448	54.303	ng	96
49) Acenaphthylene	14.563	152	373861	52.846	ng	99
50) Dimethylphthalate	14.287	163	299698	46.860	ng	99
51) 2,6-Dinitrotoluene	14.398	165	61330	57.445	ng	93
52) Acenaphthene	14.903	154	252627	52.266	ng	98
53) 3-Nitroaniline	14.721	138	23425	21.313	ng	# 97
54) 2,4-Dinitrophenol	14.927	184	74174	112.141	ng	# 45
55) Dibenzofuran	15.238	168	365686	46.797	ng	99
56) 4-Nitrophenol	15.021	139	103596	101.662	ng	95
57) 2,4-Dinitrotoluene	15.180	165	92183	55.958	ng	99
58) Fluorene	15.885	166	290188	47.551	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.456	232	103848	58.653	ng	99
60) Diethylphthalate	15.644	149	300263	45.981	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	166710	48.678	ng	99
62) 4-Nitroaniline	15.885	138	66625	54.487	ng	96
63) Azobenzene	16.161	77	272166	45.424	ng	96
65) 4,6-Dinitro-2-methylph...	15.943	198	55586	59.488	ng	89
66) n-Nitrosodiphenylamine	16.079	169	267096	47.710	ng	99
67) 4-Bromophenyl-phenylether	16.766	248	117374	47.791	ng	96
68) Hexachlorobenzene	16.889	284	137447	49.056	ng	95
69) Atrazine	17.019	200	125901	52.259	ng	96
70) Pentachlorophenol	17.224	266	194756	111.468	ng	94
71) Phenanthrene	17.618	178	537978	47.468	ng	99
72) Anthracene	17.712	178	543400	47.134	ng	99
73) Carbazole	17.970	167	502412	49.419	ng	99
74) Di-n-butylphthalate	18.529	149	563854	47.963	ng	99
75) Fluoranthene	19.616	202	726745	51.186	ng	97
77) Benzidine	19.780	184	50417	8.253	ng	97
78) Pyrene	19.974	202	759790	42.650	ng	99
80) Butylbenzylphthalate	20.849	149	278360	51.700	ng	95
81) Benzo(a)anthracene	21.837	228	873968	48.341	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	122433	20.280	ng	96
83) Chrysene	21.901	228	813564	47.293	ng	99
84) Bis(2-ethylhexyl)phtha...	21.737	149	405879	50.450	ng	98
85) Di-n-octyl phthalate	23.000	149	713788	52.623	ng	99
87) Indeno(1,2,3-cd)pyrene	29.034	276	1085432	48.014	ng	98
88) Benzo(b)fluoranthene	24.134	252	902645	47.900	ng	98
89) Benzo(k)fluoranthene	24.204	252	913018	48.418	ng	99
90) Benzo(a)pyrene	25.044	252	860993	49.706	ng	98
91) Dibenzo(a,h)anthracene	29.104	278	902460	49.137	ng	96
92) Benzo(g,h,i)perylene	30.233	276	864511	49.274	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

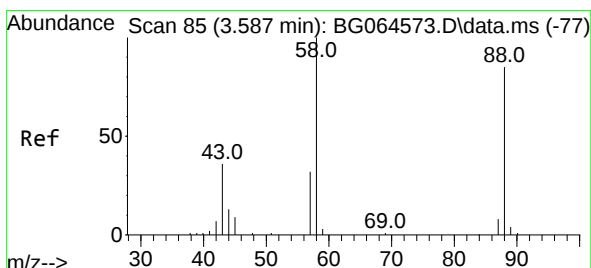
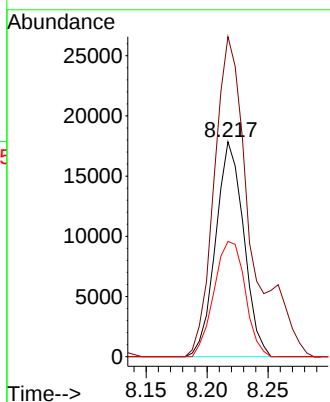
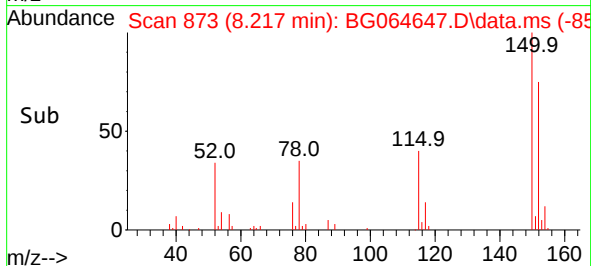
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:152 Resp: 28640
Ion Ratio Lower Upper
152 100
150 148.9 122.2 183.4
115 53.6 50.8 76.2

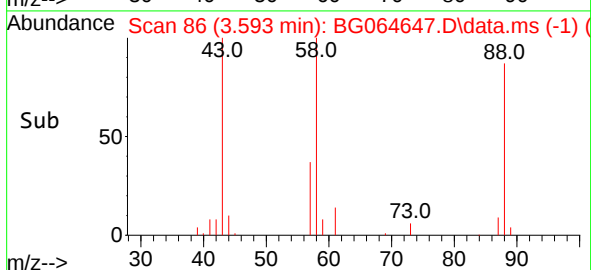
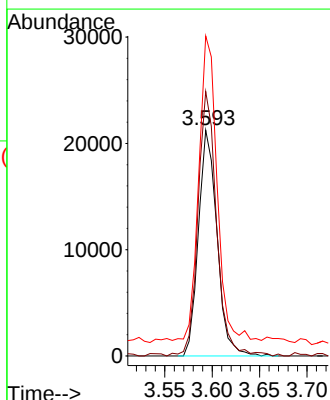
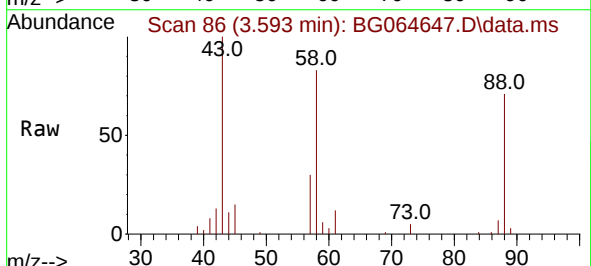
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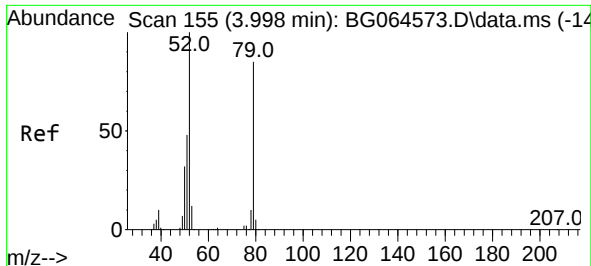
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#2
1,4-Dioxane
Concen: 38.304 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

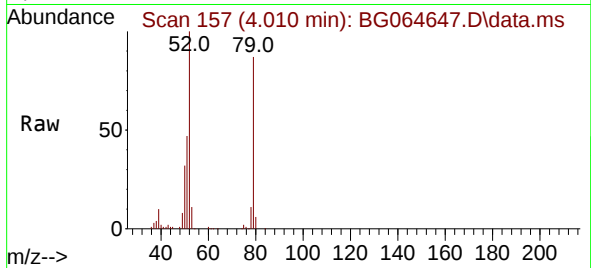
Tgt Ion: 88 Resp: 28942
Ion Ratio Lower Upper
88 100
58 117.8 92.4 138.6
43 131.2 33.0 49.6#





#3
Pyridine
Concen: 32.790 ng
RT: 4.010 min Scan# 155
Delta R.T. 0.012 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

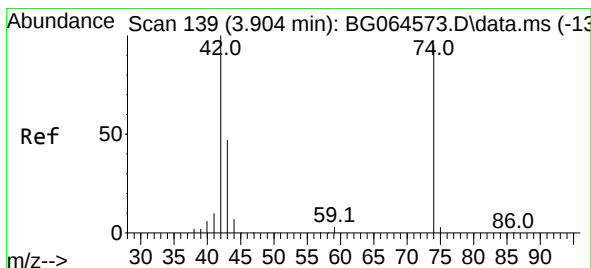
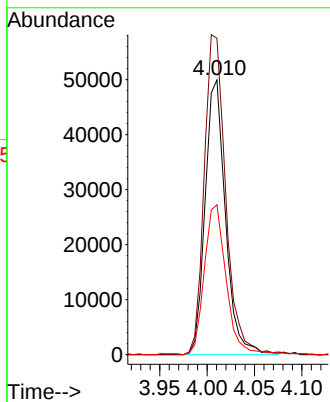
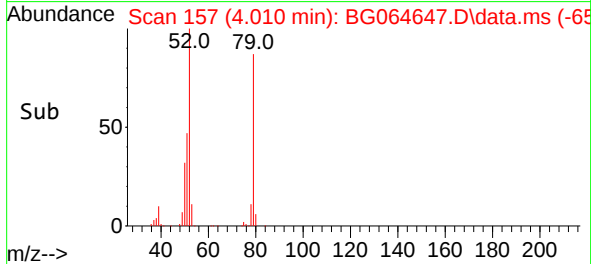
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion: 79 Resp: 7440
Ion Ratio Lower Upper
79 100
52 115.2 94.2 141.2
51 54.6 46.1 69.1

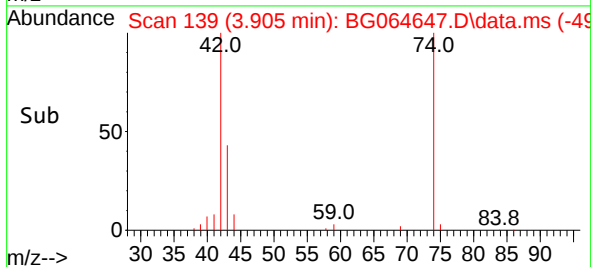
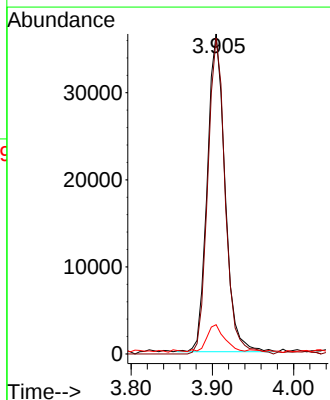
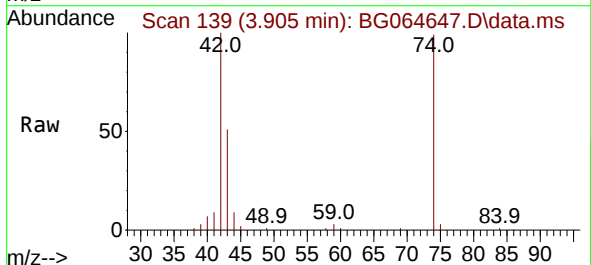
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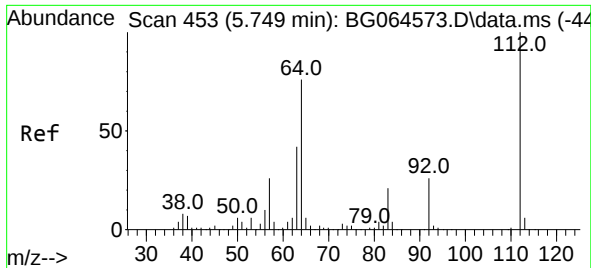
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#4
n-Nitrosodimethylamine
Concen: 45.442 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion: 42 Resp: 55293
Ion Ratio Lower Upper
42 100
74 98.8 76.1 114.1
44 9.2 6.3 9.5





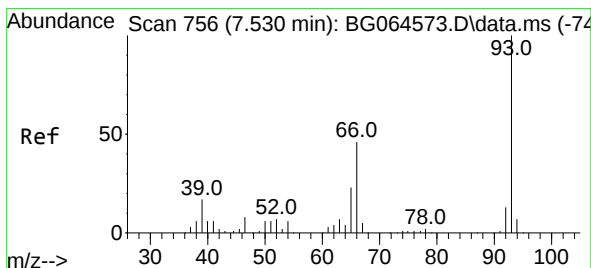
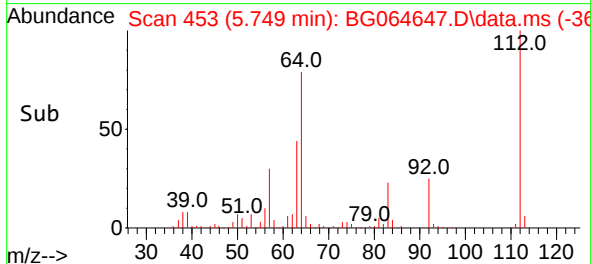
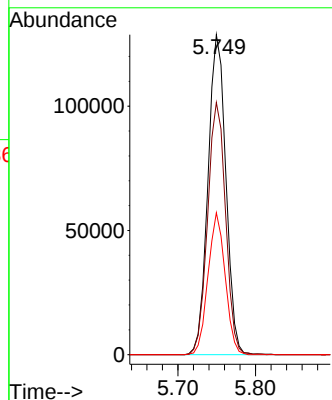
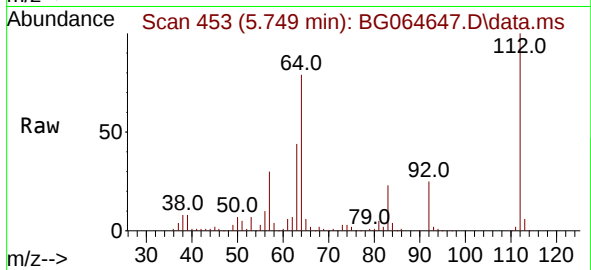
#5
2-Fluorophenol
Concen: 120.949 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:112 Resp: 206418
Ion Ratio Lower Upper
112 100
64 78.8 60.7 91.1
63 44.4 33.4 50.0

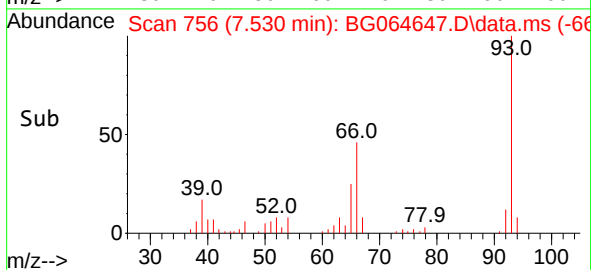
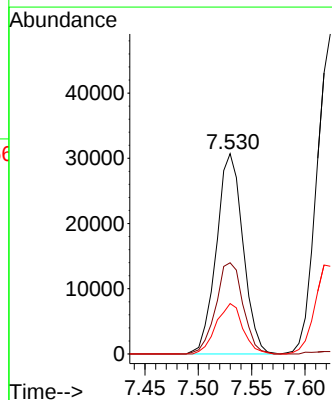
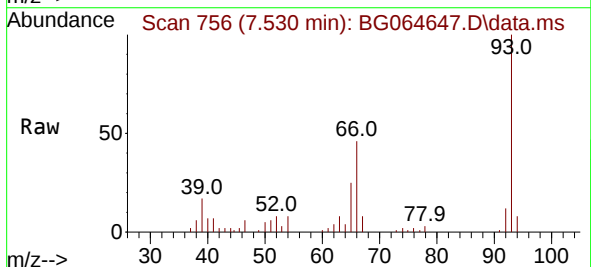
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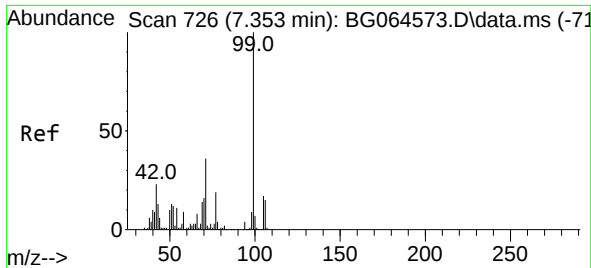
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#6
Aniline
Concen: 16.682 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

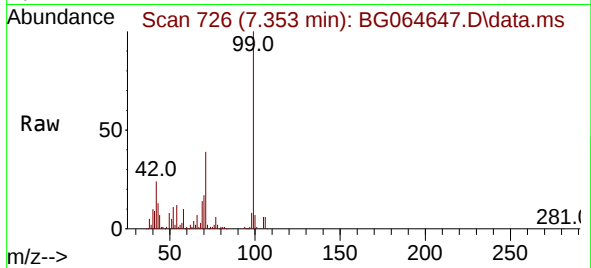
Tgt Ion: 93 Resp: 53161
Ion Ratio Lower Upper
93 100
66 45.5 37.0 55.6
65 25.2 18.3 27.5





#7
Phenol-d6
Concen: 113.400 ng
RT: 7.353 min Scan# 726
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

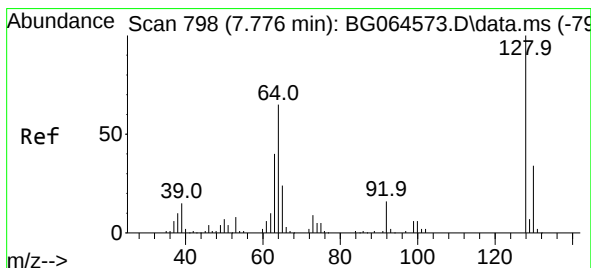
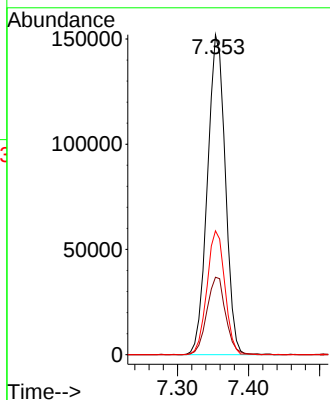
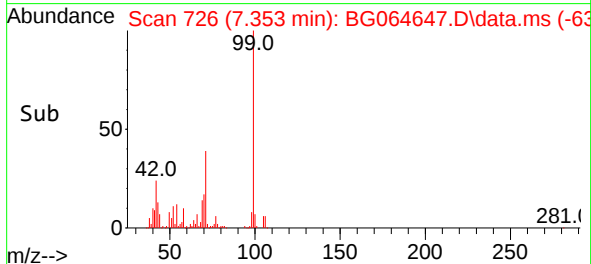
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion: 99 Resp: 26556
Ion Ratio Lower Upper
99 100
42 24.2 18.3 27.5
71 38.7 28.6 43.0

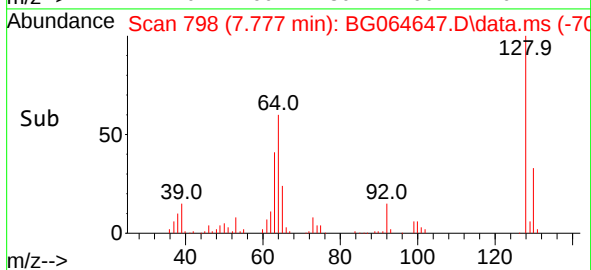
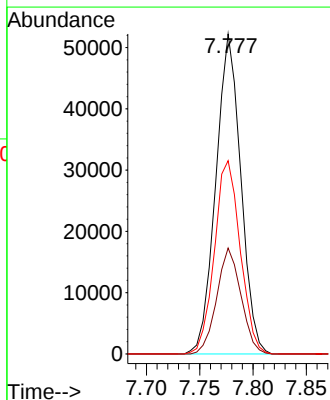
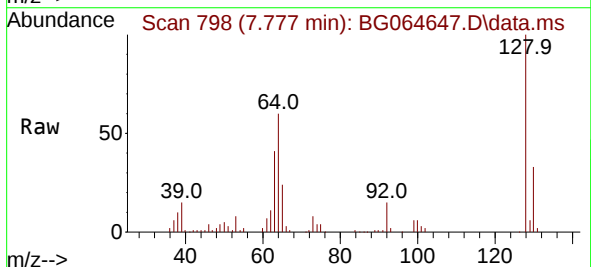
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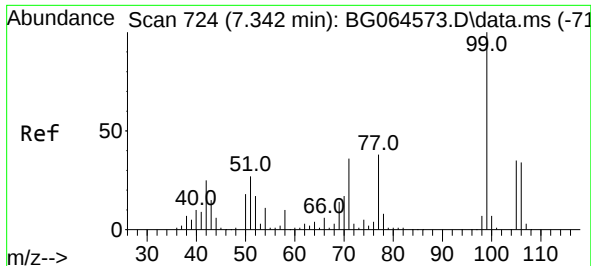
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#8
2-Chlorophenol
Concen: 47.563 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:128 Resp: 84964
Ion Ratio Lower Upper
128 100
130 33.1 13.5 53.5
64 60.4 45.2 85.2





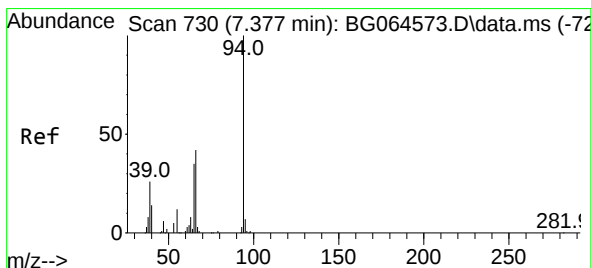
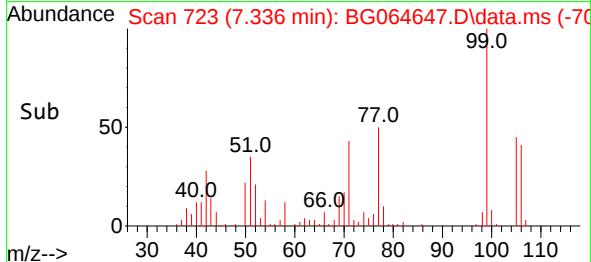
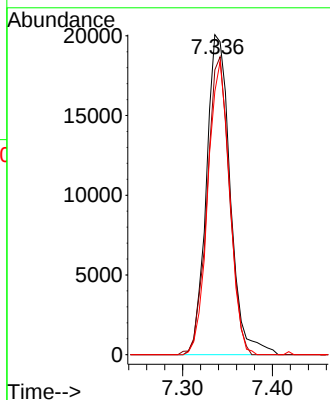
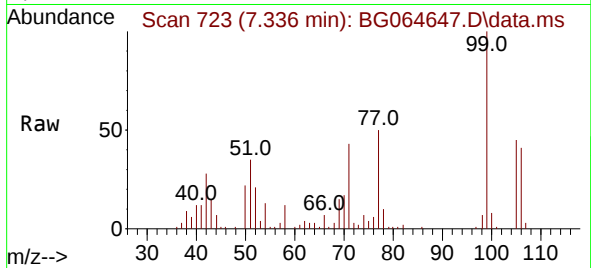
#9
Benzaldehyde
Concen: 28.912 ng
RT: 7.336 min Scan# 711
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion: 77 Resp: 36964
Ion Ratio Lower Upper
77 100
105 89.0 72.9 112.9
106 82.3 70.8 110.8

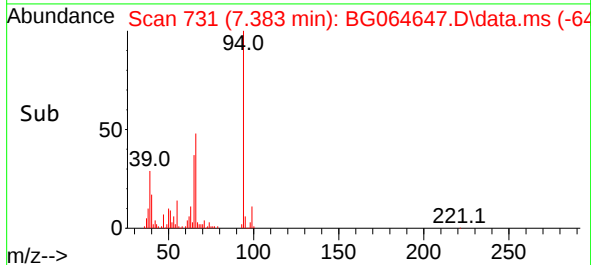
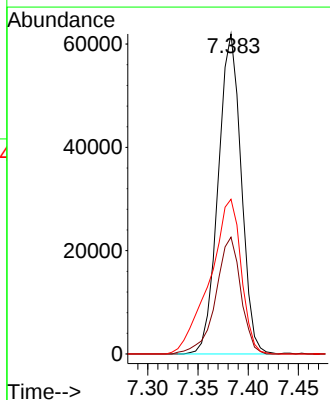
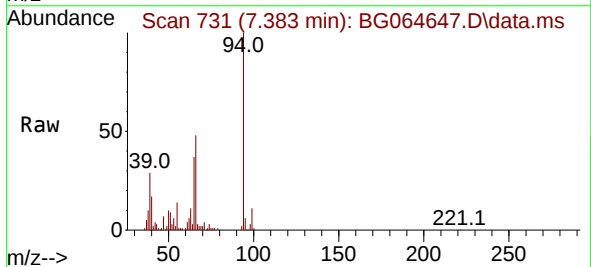
Manual Integrations
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Supervised By :mohammad ahmed 11/05/2025



#10
Phenol
Concen: 37.998 ng
RT: 7.383 min Scan# 731
Delta R.T. 0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

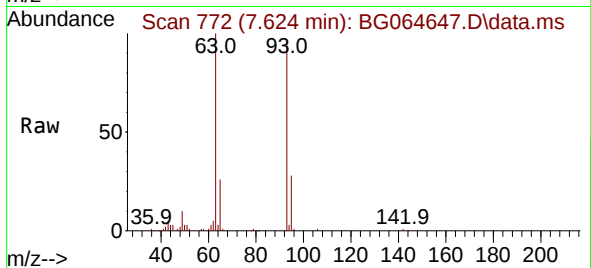
Tgt Ion: 94 Resp: 98411
Ion Ratio Lower Upper
94 100
65 36.5 15.8 55.8
66 48.4 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 40.245 ng
RT: 7.624 min Scan# 772
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

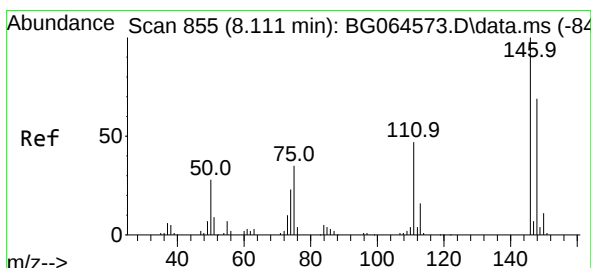
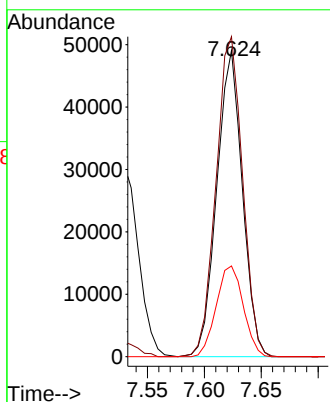
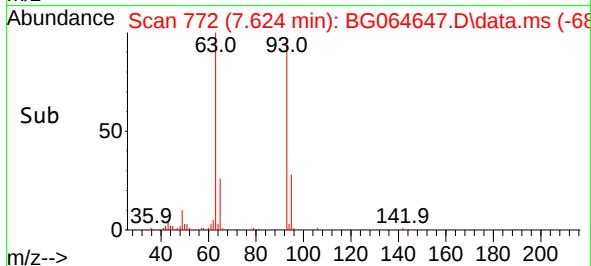
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion: 93 Resp: 7663
Ion Ratio Lower Upper
93 100
63 104.5 91.3 131.3
95 29.6 13.3 53.3

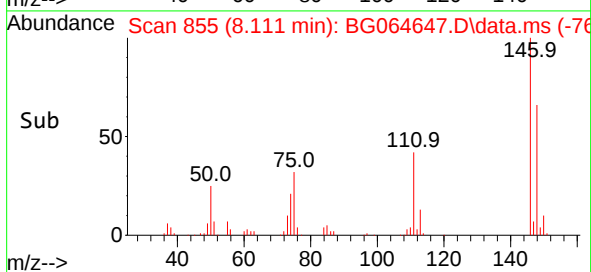
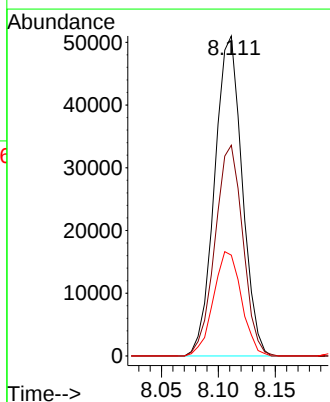
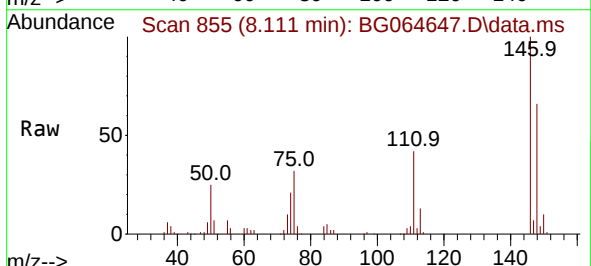
Manual Integrations
APPROVED

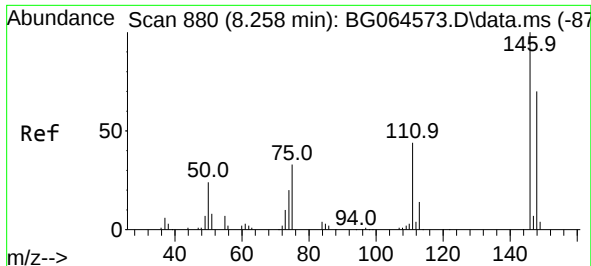
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 41.747 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

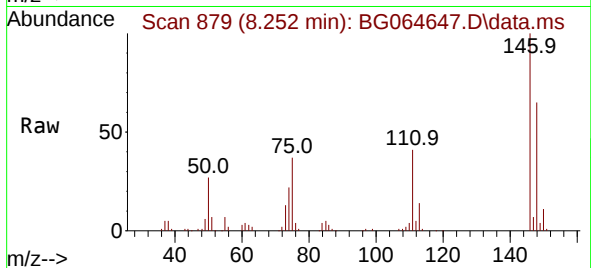
Tgt Ion:146 Resp: 85832
Ion Ratio Lower Upper
146 100
148 65.9 55.3 82.9
75 31.5 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 42.353 ng
RT: 8.252 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

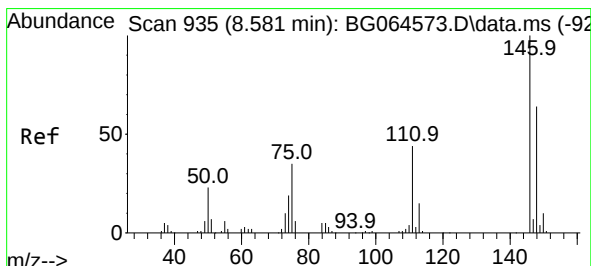
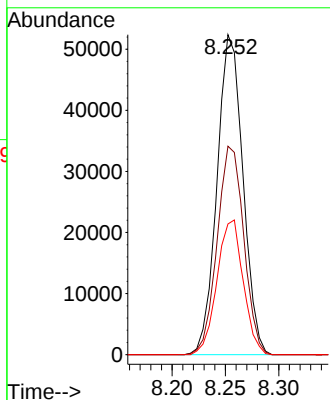
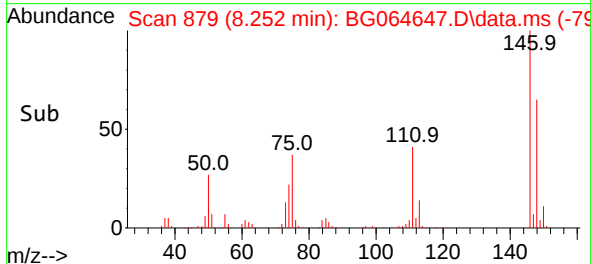
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:146 Resp: 8854
Ion Ratio Lower Upper
146 100
148 65.1 56.2 84.4
111 40.8 35.4 53.0

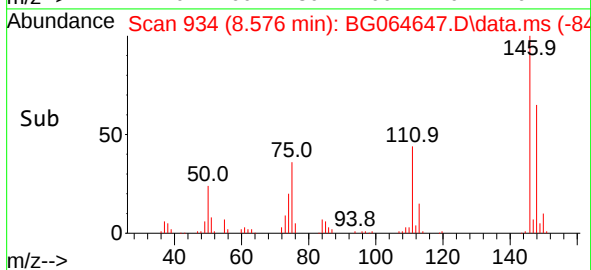
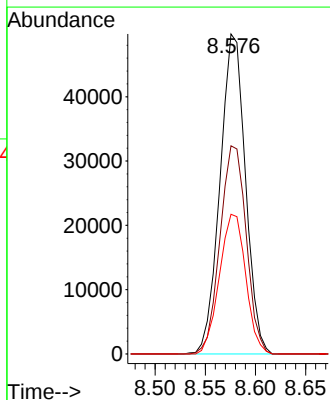
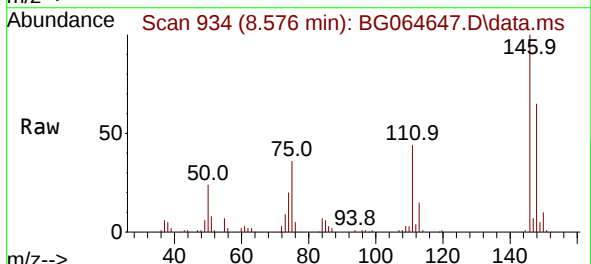
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#14
1,2-Dichlorobenzene
Concen: 43.452 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:146 Resp: 87617
Ion Ratio Lower Upper
146 100
148 65.1 51.5 77.3
111 43.7 35.0 52.6





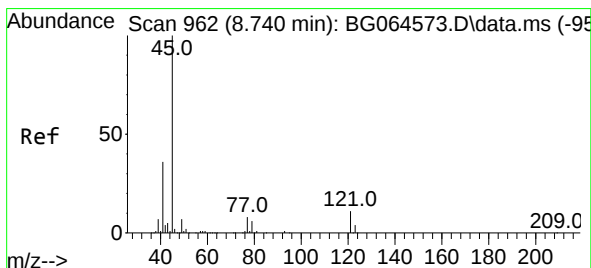
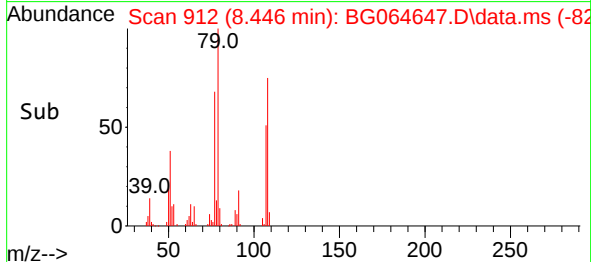
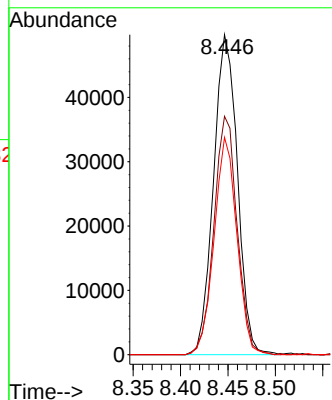
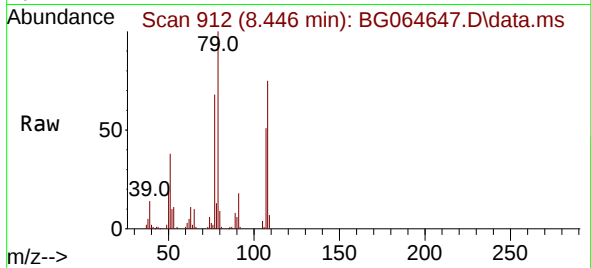
#15
Benzyl Alcohol
Concen: 45.161 ng
RT: 8.446 min Scan# 912
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion: 79 Resp: 87214
Ion Ratio Lower Upper
79 100
108 74.5 58.1 87.1
77 67.9 52.8 79.2

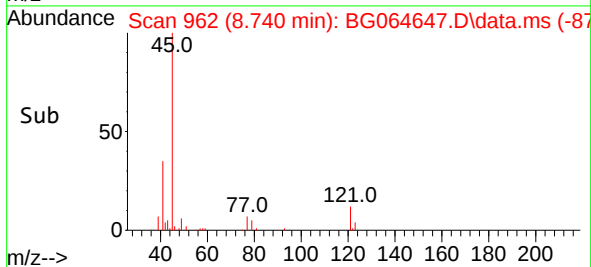
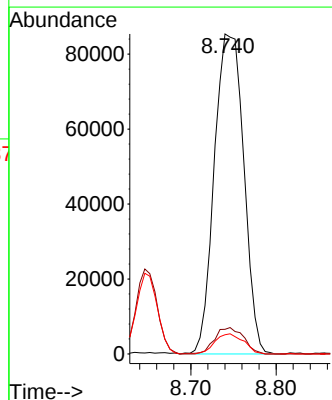
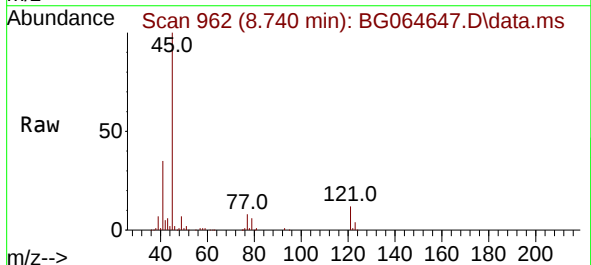
Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.041 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion: 45 Resp: 204991
Ion Ratio Lower Upper
45 100
77 7.7 0.0 28.5
79 6.0 0.0 25.6





#17

2-Methylphenol

Concen: 43.275 ng

RT: 8.646 min Scan# 947

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

Tgt Ion:107 Resp: 7441

Ion Ratio Lower Upper

107 100

108 112.5 90.0 135.0

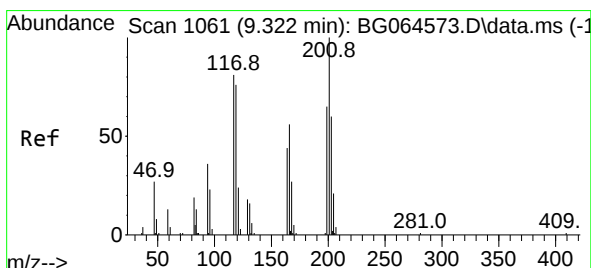
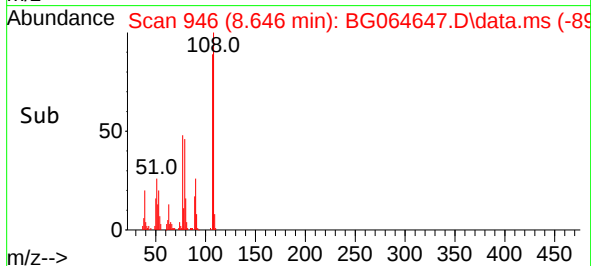
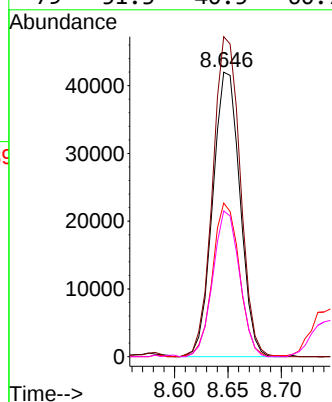
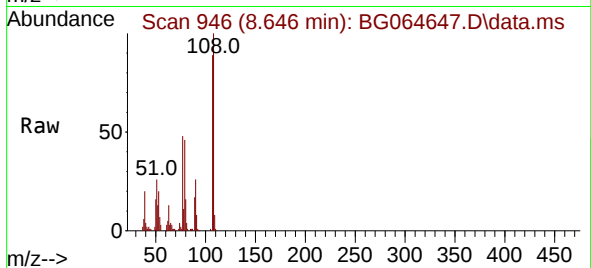
77 54.0 37.8 56.8

79 51.3 40.5 60.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#18

Hexachloroethane

Concen: 44.588 ng

RT: 9.322 min Scan# 1061

Delta R.T. 0.000 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

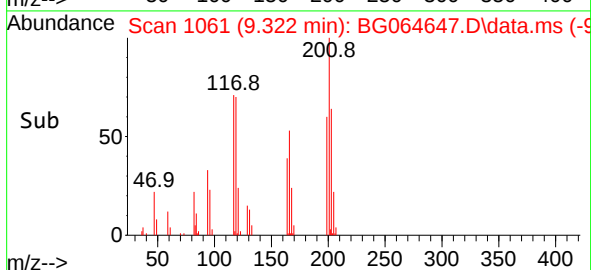
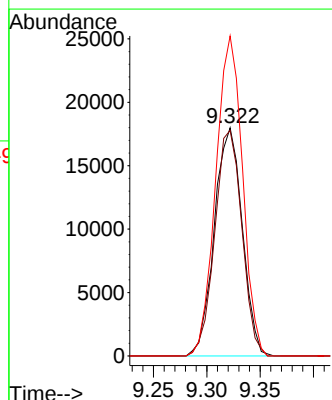
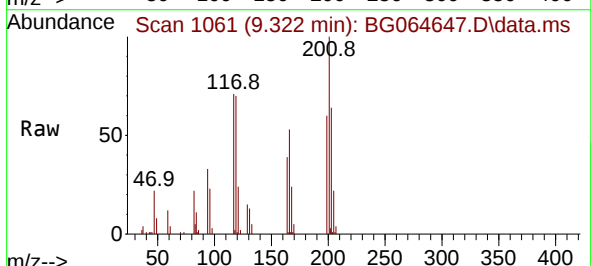
Tgt Ion:117 Resp: 32711

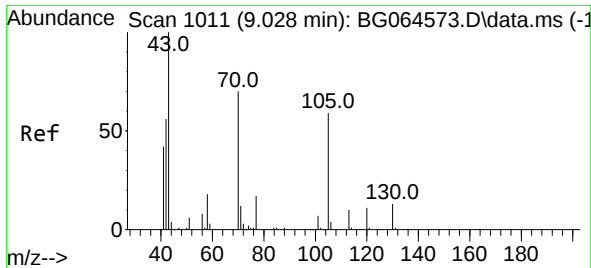
Ion Ratio Lower Upper

117 100

119 98.8 75.4 113.2

201 140.2 99.2 148.8





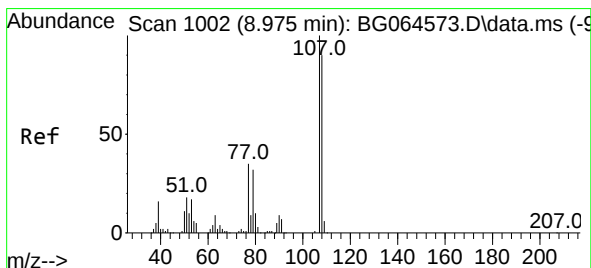
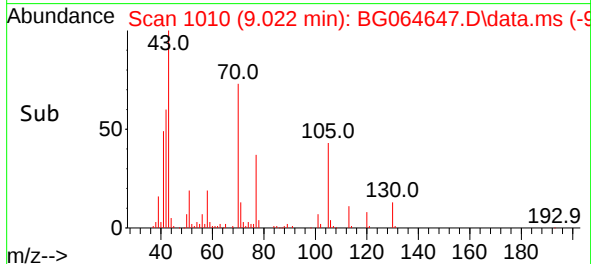
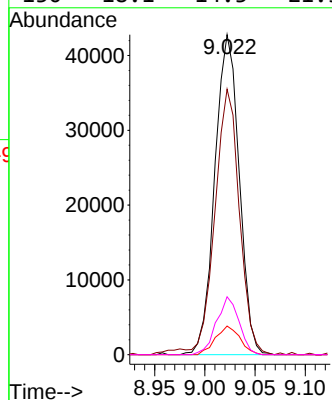
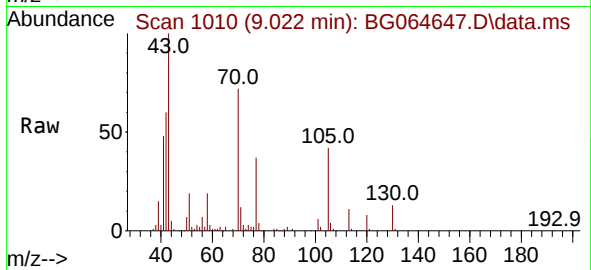
#19
n-Nitroso-di-n-propylamine
Concen: 44.643 ng
RT: 9.022 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion: 70 Resp: 7225
Ion Ratio Lower Upper
70 100
42 82.9 65.2 97.8
101 8.9 7.9 11.9
130 18.1 14.3 21.5

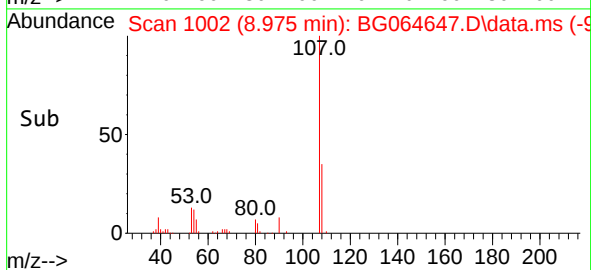
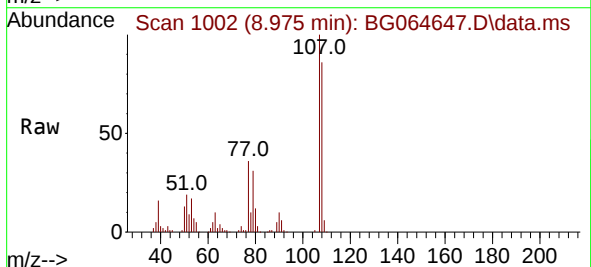
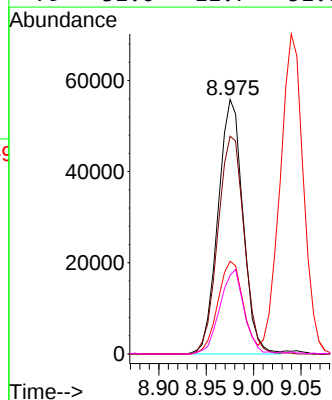
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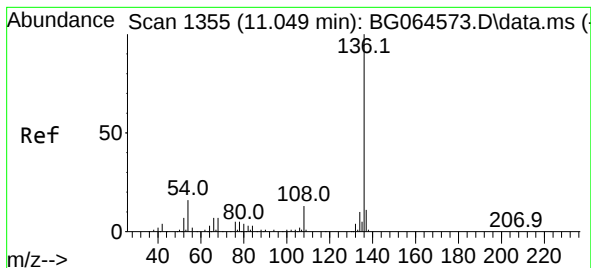
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#20
3+4-Methylphenols
Concen: 42.331 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

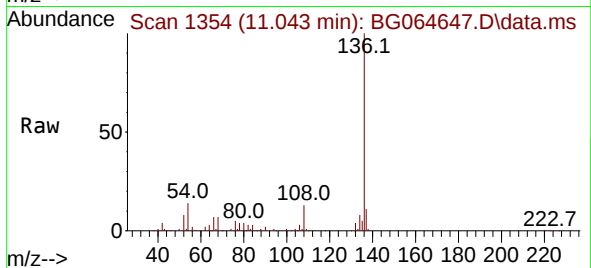
Tgt Ion:107 Resp: 102366
Ion Ratio Lower Upper
107 100
108 85.6 70.3 110.3
77 36.4 14.6 54.6
79 31.0 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 11194
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

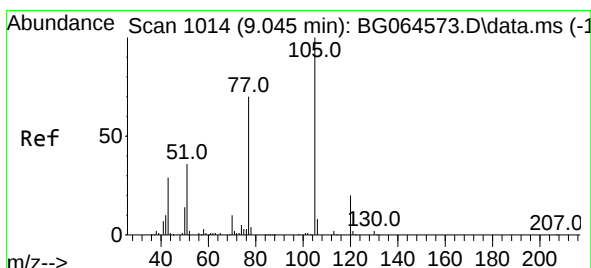
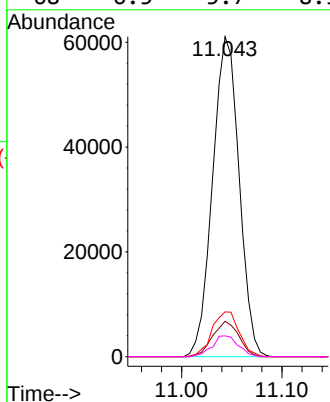
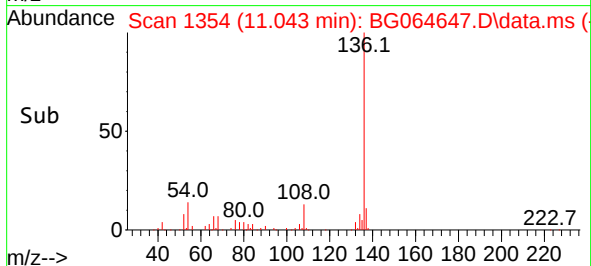
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:136 Resp: 11194
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 14.0 12.6 19.0
68 6.5 5.7 8.5

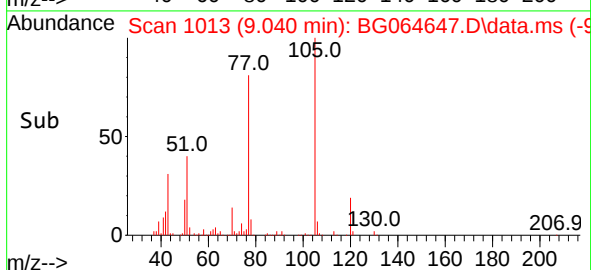
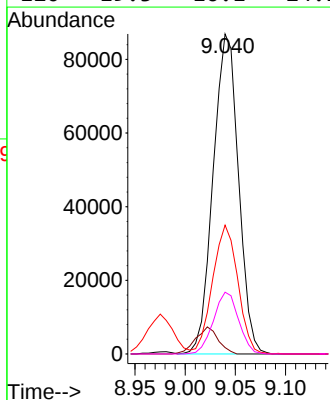
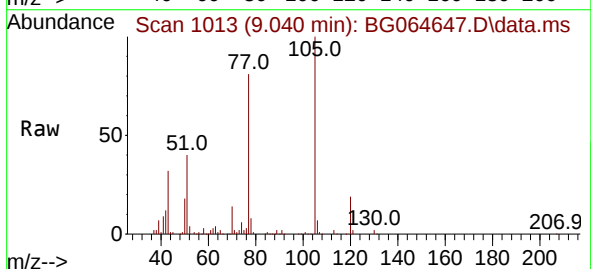
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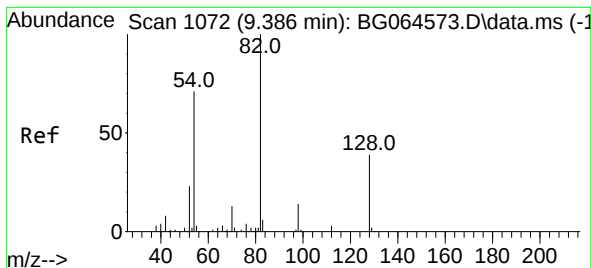
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 49.758 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:105 Resp: 152262
Ion Ratio Lower Upper
105 100
71 2.0 1.5 2.3
51 40.3 33.7 50.5
120 19.3 16.1 24.1





#23

Nitrobenzene-d5

Concen: 106.841 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.006 min

Lab File: BG064647.D

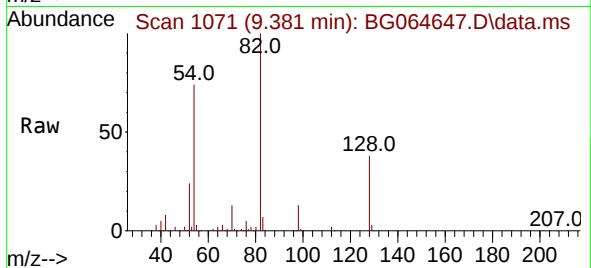
Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

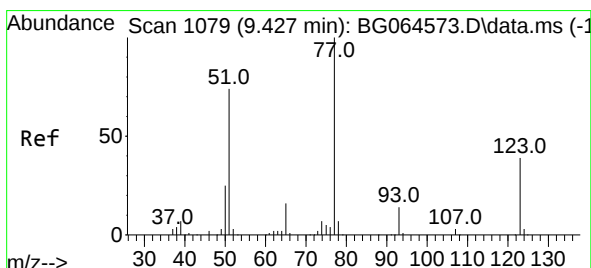
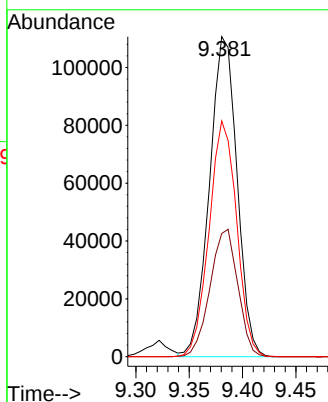
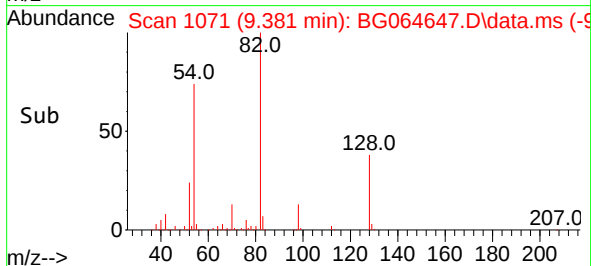


Tgt Ion: 82	Resp: 19912
Ion Ratio	Lower Upper
82 100	
128 38.5	31.3 46.9
54 73.6	56.6 84.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#24

Nitrobenzene

Concen: 51.393 ng

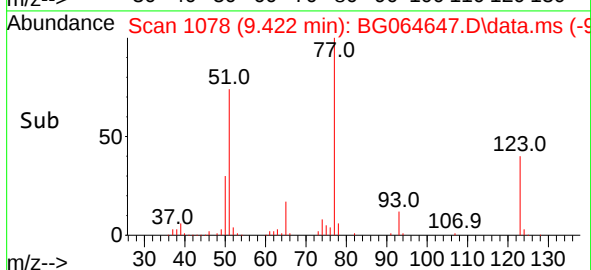
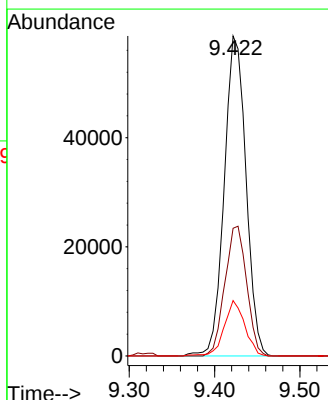
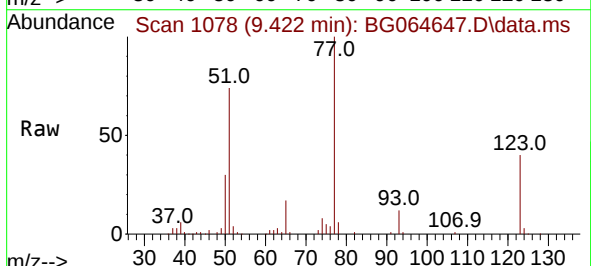
RT: 9.422 min Scan# 1078

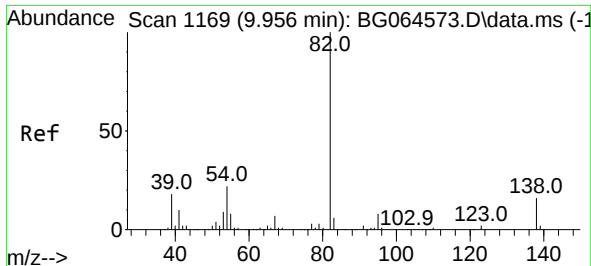
Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

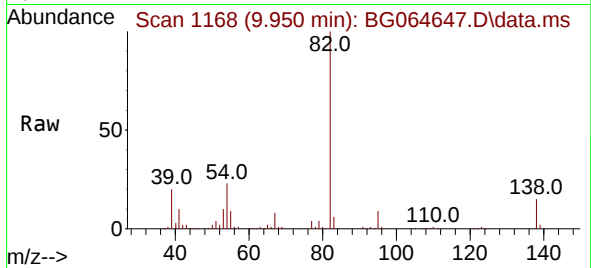
Tgt Ion: 77	Resp: 104179
Ion Ratio	Lower Upper
77 100	
123 39.9	31.0 46.6
65 17.3	12.7 19.1





#25
Isophorone
Concen: 43.418 ng
RT: 9.950 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

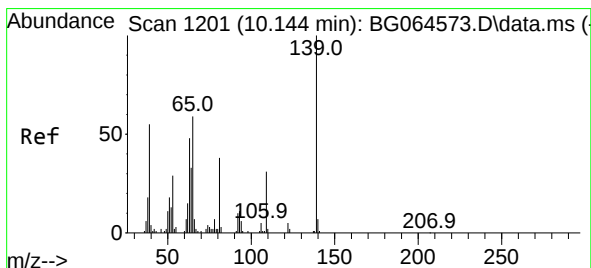
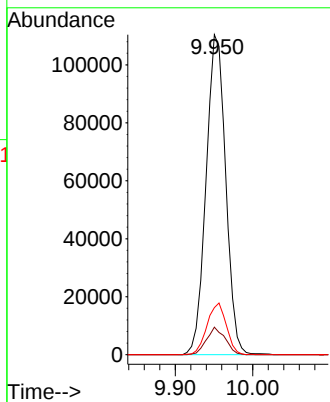
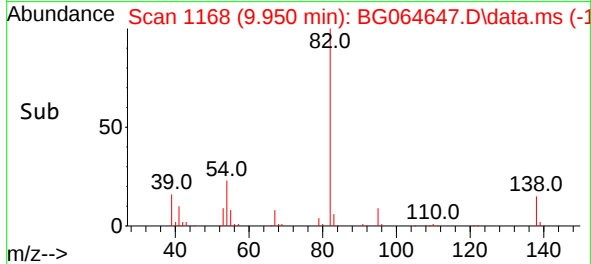
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion: 82 Resp: 194169
Ion Ratio Lower Upper
82 100
95 8.6 6.1 9.1
138 14.7 13.0 19.4

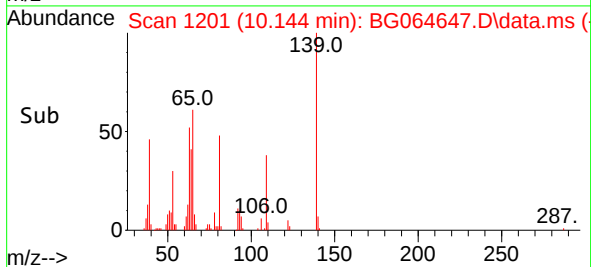
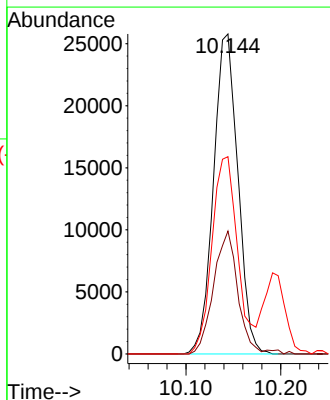
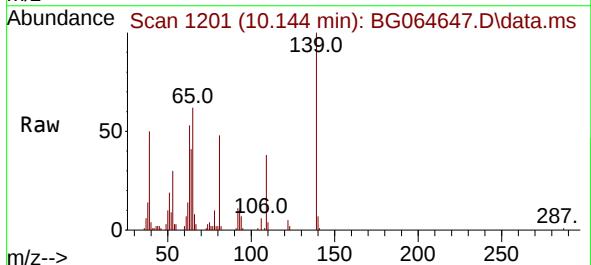
Manual Integrations
APPROVED

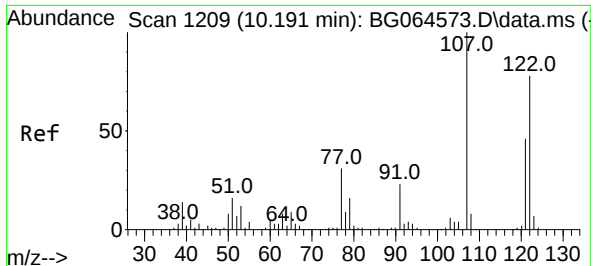
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#26
2-Nitrophenol
Concen: 58.224 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

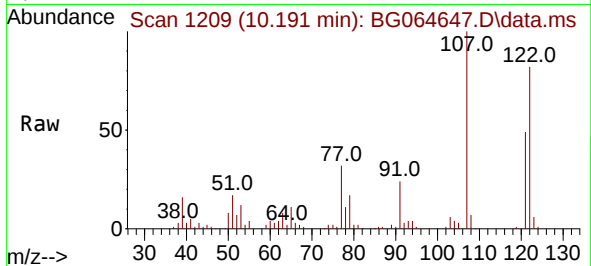
Tgt Ion:139 Resp: 46097
Ion Ratio Lower Upper
139 100
109 38.4 24.6 37.0#
65 61.7 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 51.048 ng
RT: 10.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

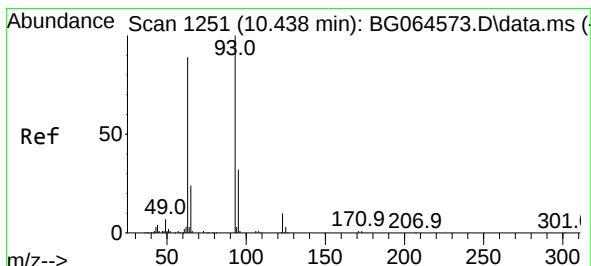
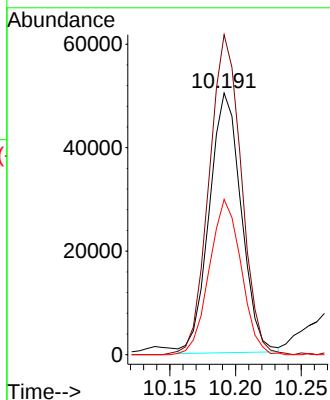
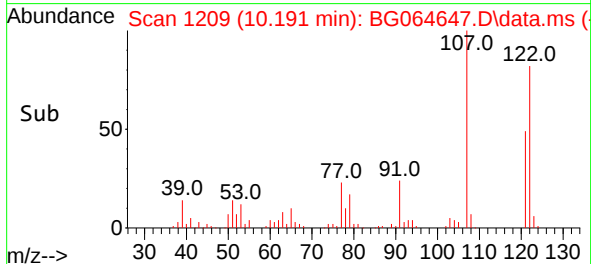
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



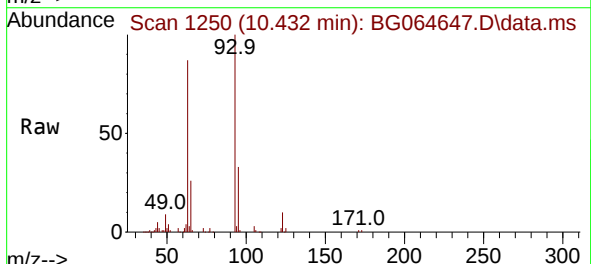
Tgt Ion:122 Resp: 84919
Ion Ratio Lower Upper
122 100
107 122.3 103.0 154.4
121 59.3 47.8 71.8

Manual Integrations
APPROVED

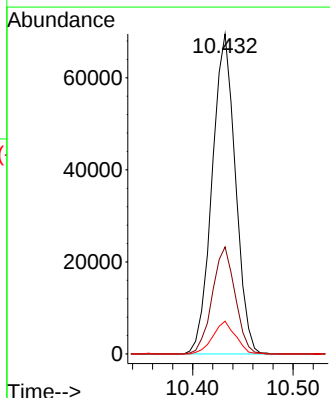
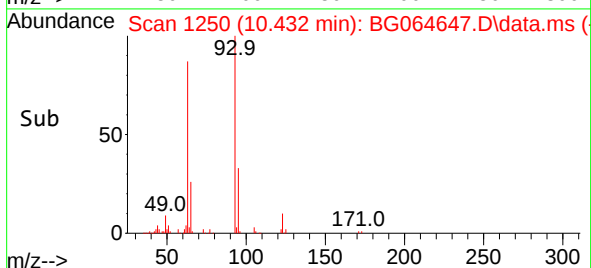
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

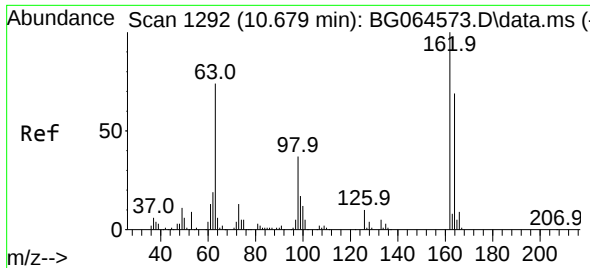


#28
bis(2-Chloroethoxy)methane
Concen: 44.085 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



Tgt Ion: 93 Resp: 112252
Ion Ratio Lower Upper
93 100
95 33.5 25.4 38.2
123 10.2 8.4 12.6





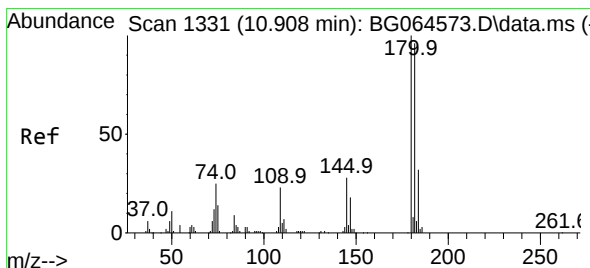
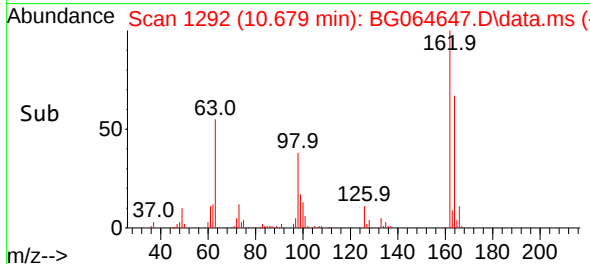
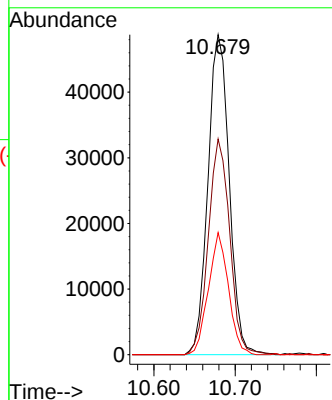
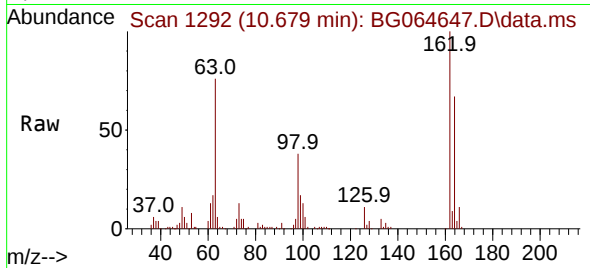
#29
2,4-Dichlorophenol
Concen: 49.604 ng
RT: 10.679 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:162 Resp: 88804
Ion Ratio Lower Upper
162 100
164 67.4 48.7 88.7
98 38.2 16.9 56.9

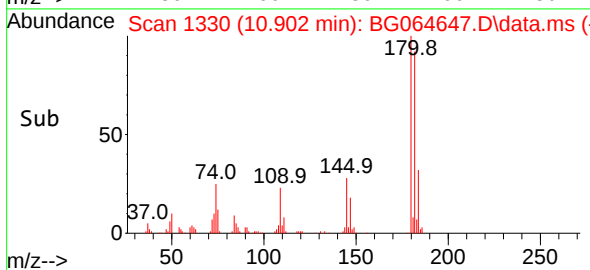
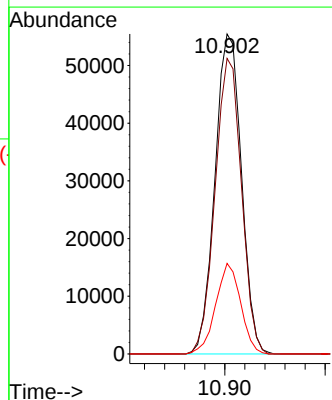
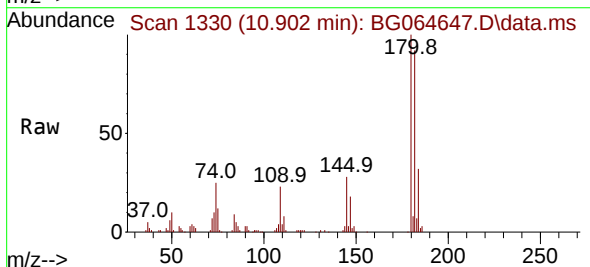
Manual Integrations
APPROVED

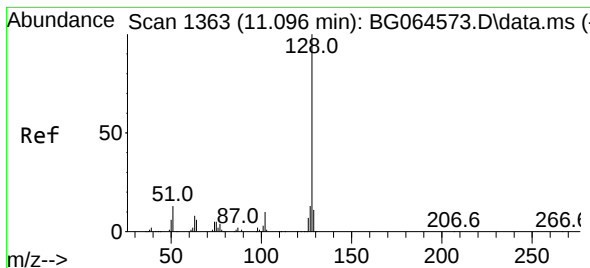
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#30
1,2,4-Trichlorobenzene
Concen: 49.915 ng
RT: 10.902 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

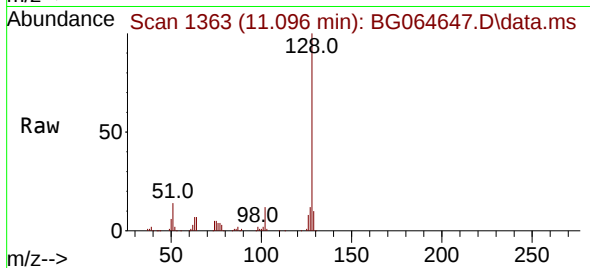
Tgt Ion:180 Resp: 101532
Ion Ratio Lower Upper
180 100
182 92.3 76.9 115.3
145 28.3 22.1 33.1





#31
Naphthalene
Concen: 43.949 ng
RT: 11.096 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

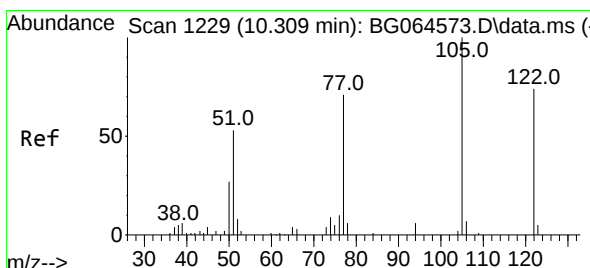
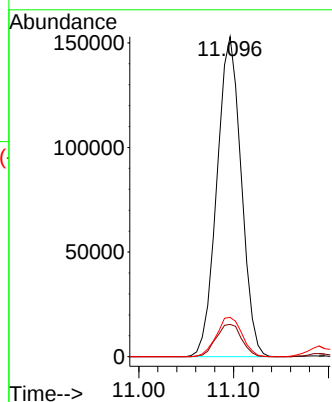
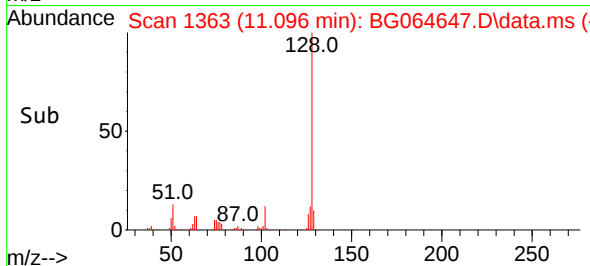
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:128 Resp: 27276
Ion Ratio Lower Upper
128 100
129 10.1 8.8 13.2
127 12.3 10.6 15.8

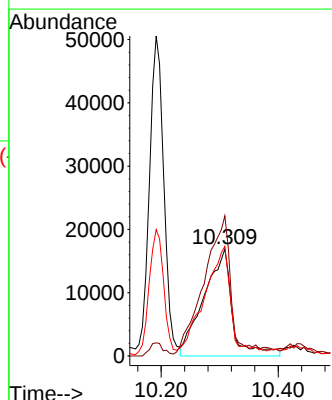
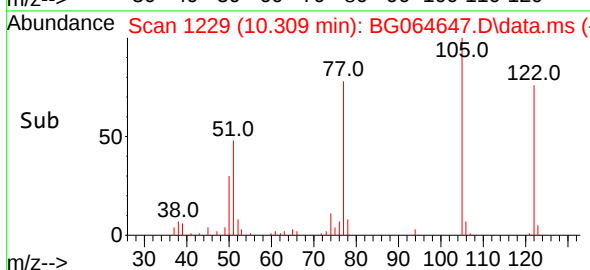
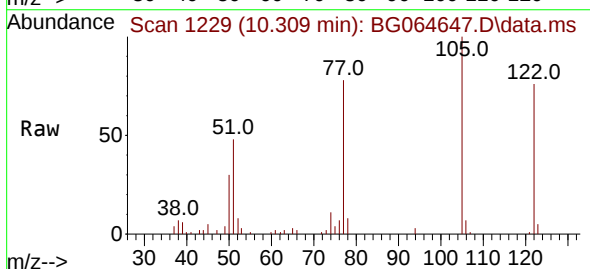
Manual Integrations
APPROVED

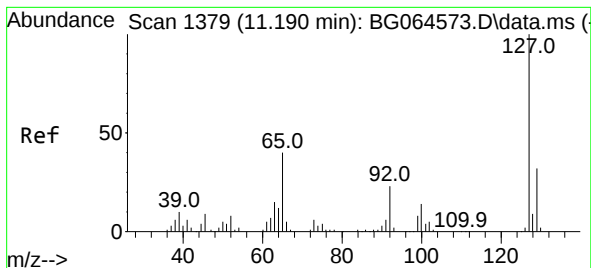
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 45.229 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

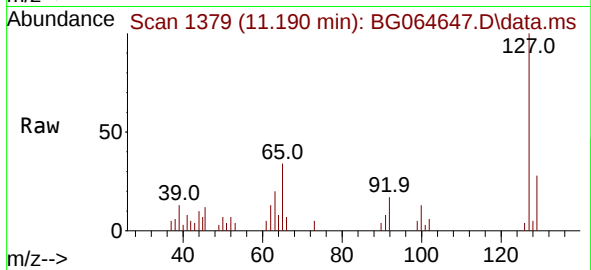
Tgt Ion:122 Resp: 56842
Ion Ratio Lower Upper
122 100
105 131.1 104.2 144.2
77 102.6 70.2 110.2





#33
4-Chloroaniline
Concen: 3.988 ng
RT: 11.190 min Scan# 111
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

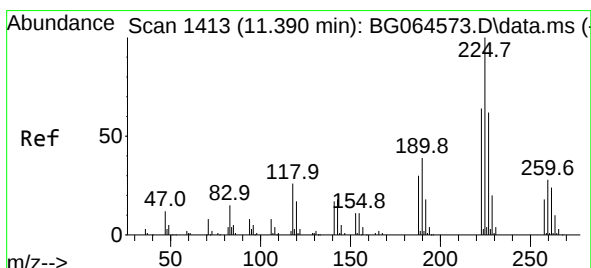
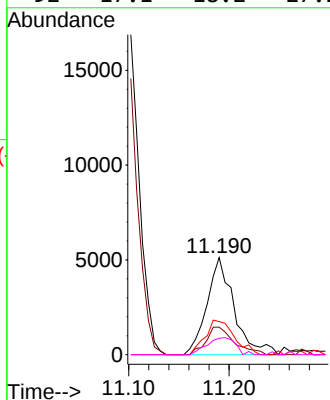
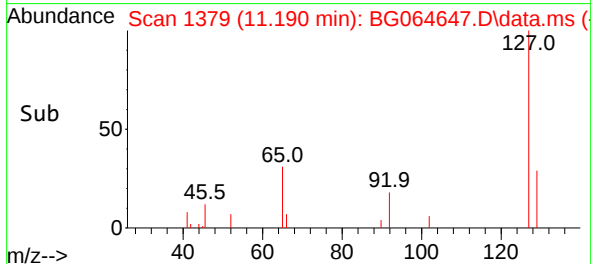
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



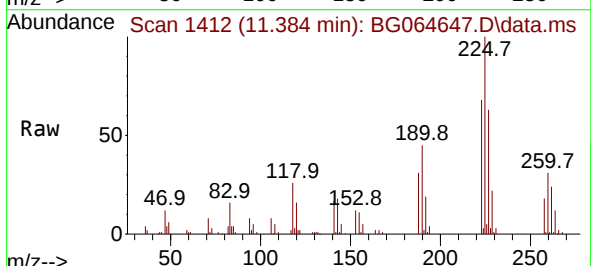
Tgt Ion	Ratio	Lower	Upper
127	100		
129	28.4	25.5	38.3
65	34.2	32.2	48.4
92	17.1	18.2	27.2

Manual Integrations
APPROVED

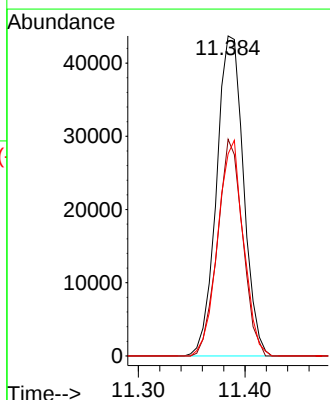
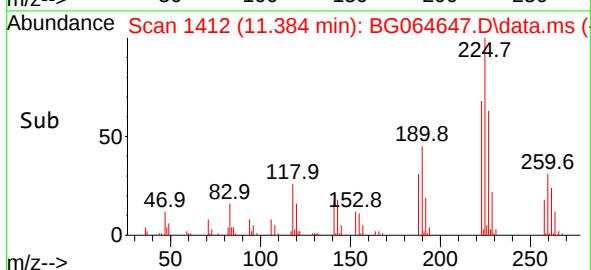
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

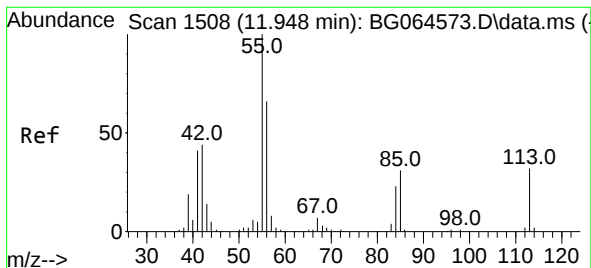


#34
Hexachlorobutadiene
Concen: 48.277 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



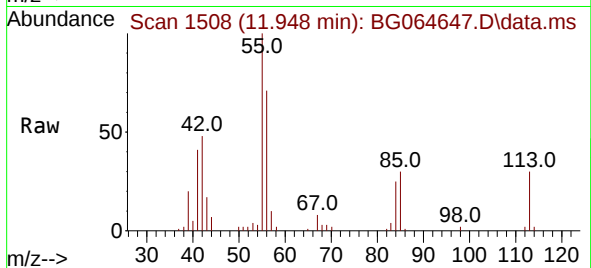
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	48.8	73.2
227	60.2	49.5	74.3





#35
Caprolactam
Concen: 33.861 ng m
RT: 11.948 min Scan# 1508
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

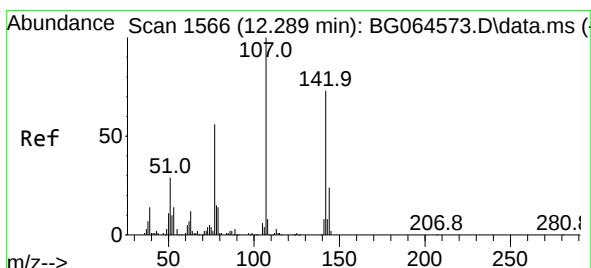
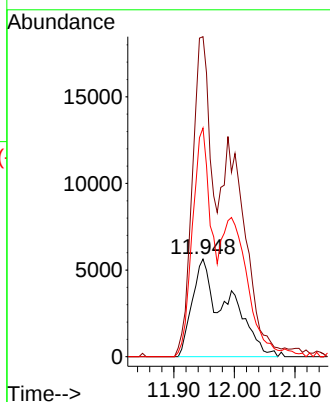
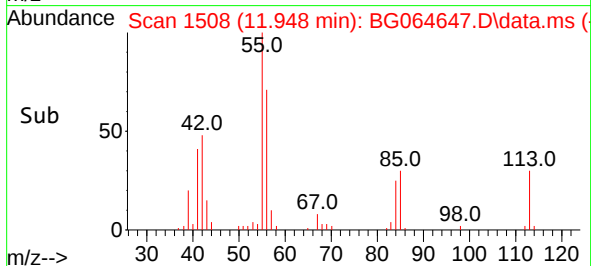
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



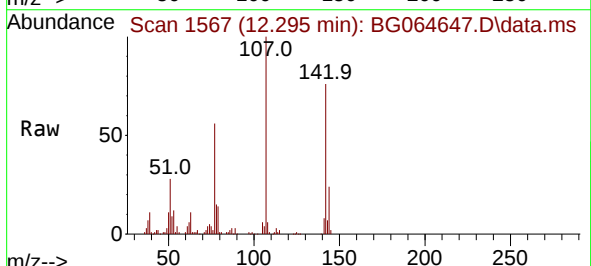
Tgt Ion:113 Resp: 23250
Ion Ratio Lower Upper
113 100
55 328.1 290.1 330.1
56 234.4 183.8 223.8

Manual Integrations
APPROVED

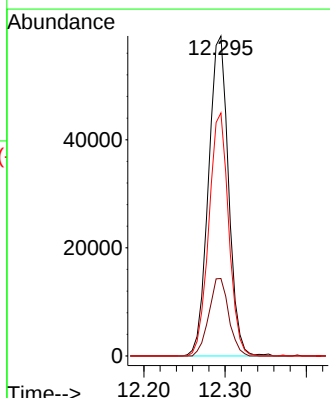
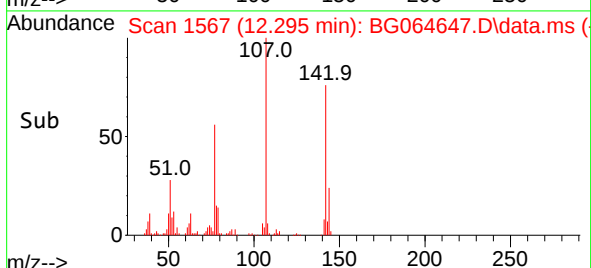
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

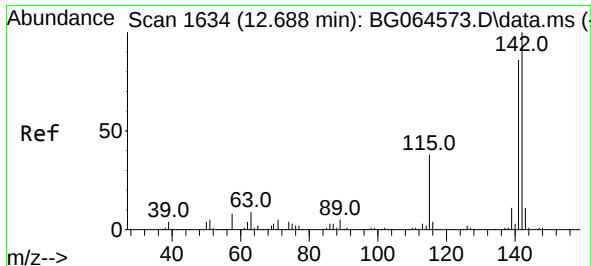


#36
4-Chloro-3-methylphenol
Concen: 47.058 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



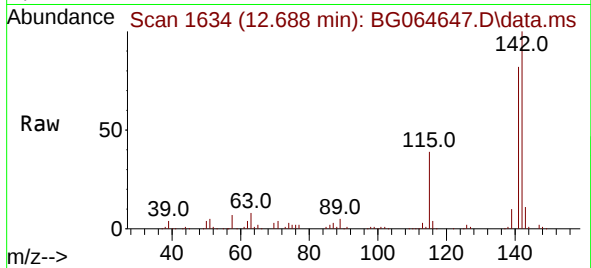
Tgt Ion:107 Resp: 101264
Ion Ratio Lower Upper
107 100
144 24.2 19.1 28.7
142 75.9 58.6 87.8





#37
2-Methylnaphthalene
Concen: 40.961 ng
RT: 12.688 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

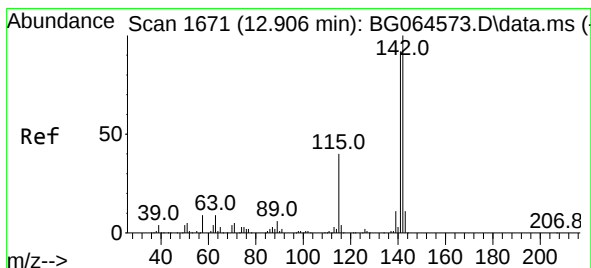
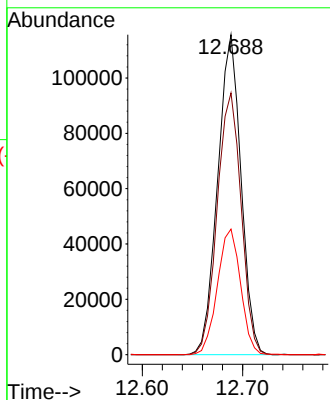
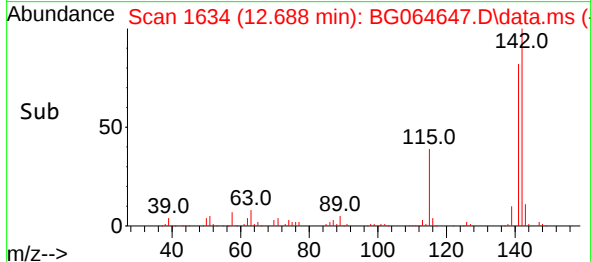
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



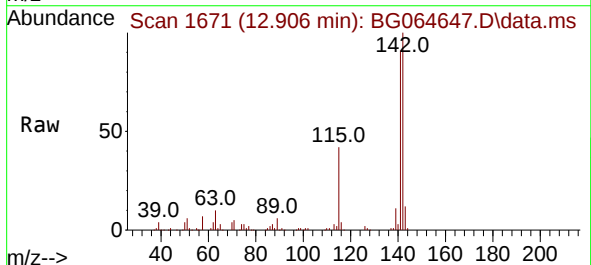
Tgt Ion:142 Resp: 186649
Ion Ratio Lower Upper
142 100
141 81.8 68.9 103.3
115 39.3 30.6 46.0

Manual Integrations
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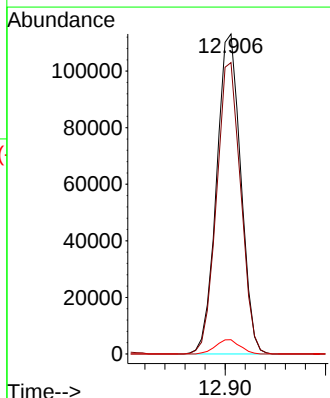
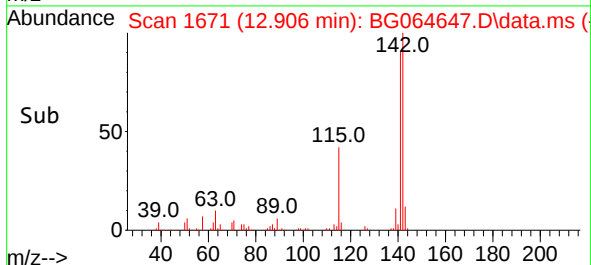
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#38
1-Methylnaphthalene
Concen: 41.919 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



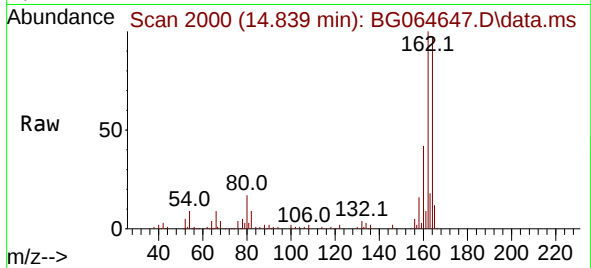
Tgt Ion:142 Resp: 189094
Ion Ratio Lower Upper
142 100
141 91.1 73.3 109.9
116 4.5 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

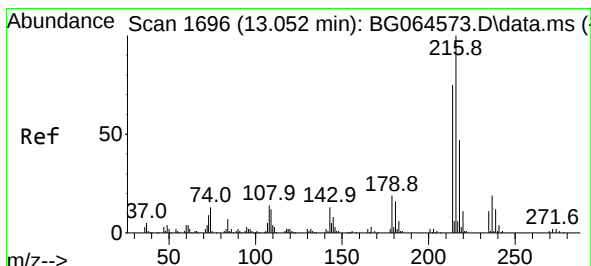
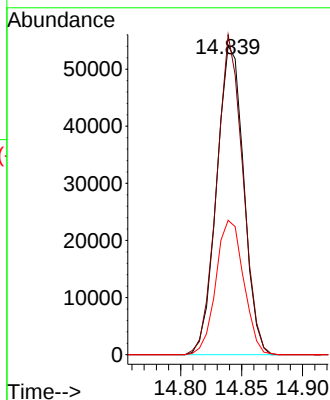
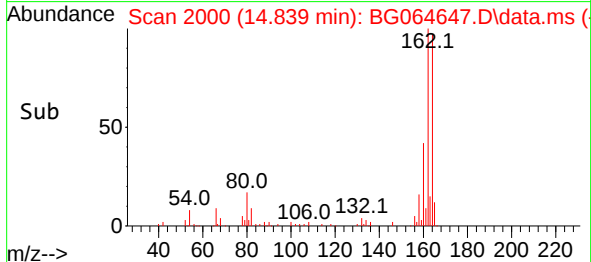
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



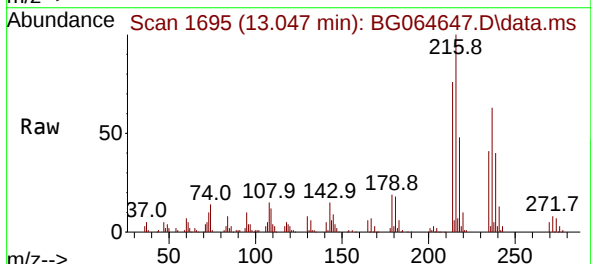
Tgt Ion:164 Resp: 83580
Ion Ratio Lower Upper
164 100
162 103.5 77.0 115.6
160 43.5 34.4 51.6

Manual Integrations
APPROVED

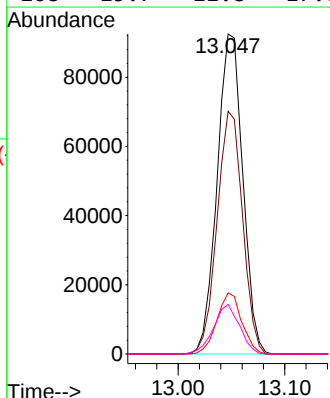
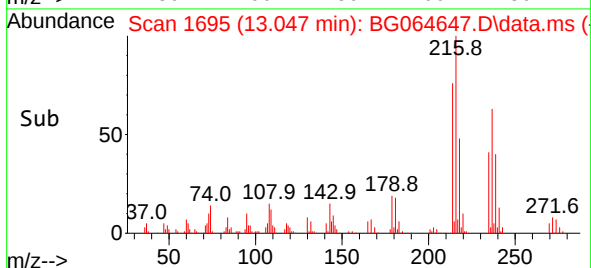
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

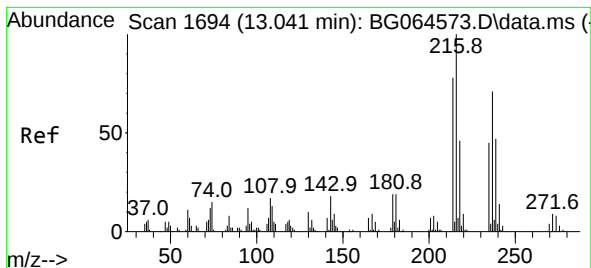


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.121 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



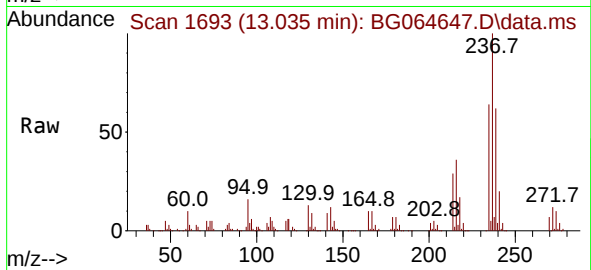
Tgt Ion:216 Resp: 154616
Ion Ratio Lower Upper
216 100
214 75.2 61.4 92.2
179 18.5 15.4 23.0
108 15.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 140.058 ng
RT: 13.035 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

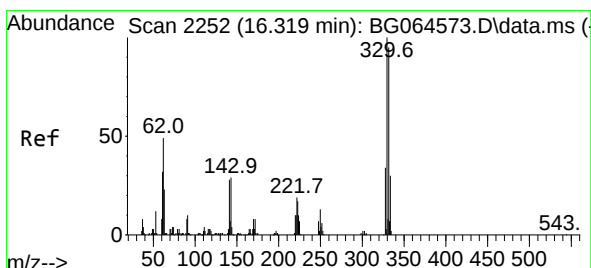
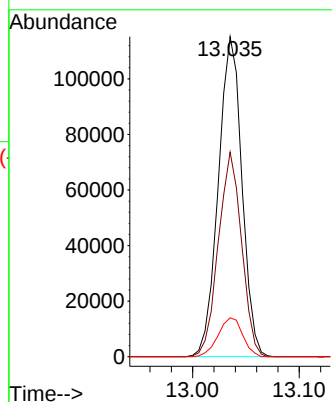
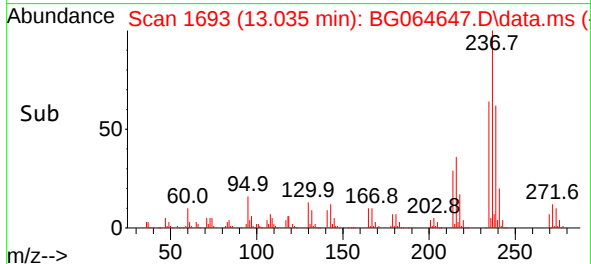
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



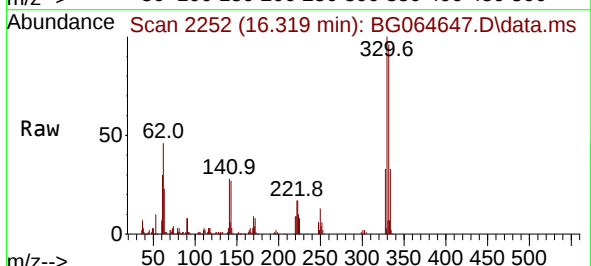
Tgt Ion:237 Resp: 176830
Ion Ratio Lower Upper
237 100
235 63.9 44.1 84.1
272 12.2 0.0 32.4

Manual Integrations
APPROVED

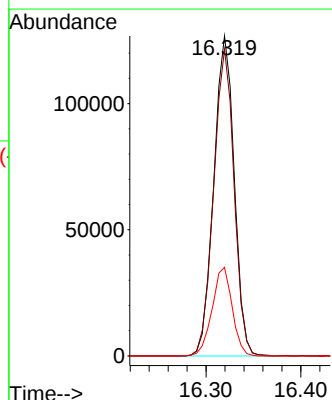
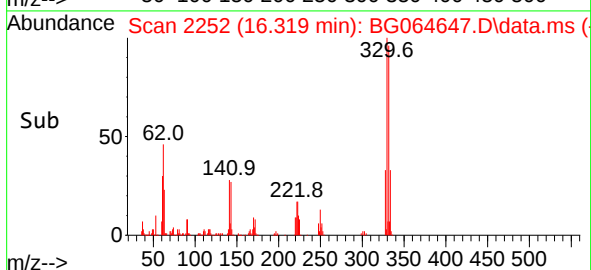
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

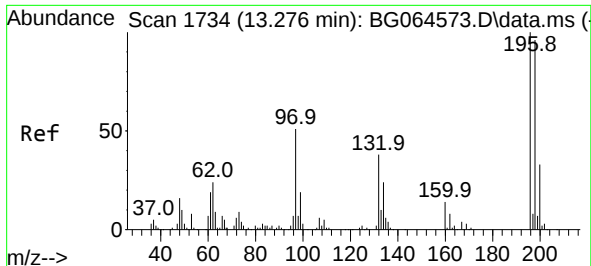


#42
2,4,6-Tribromophenol
Concen: 157.183 ng
RT: 16.319 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



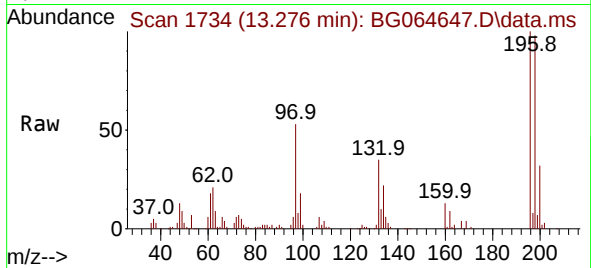
Tgt Ion:330 Resp: 189611
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 27.2 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 55.254 ng
RT: 13.276 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

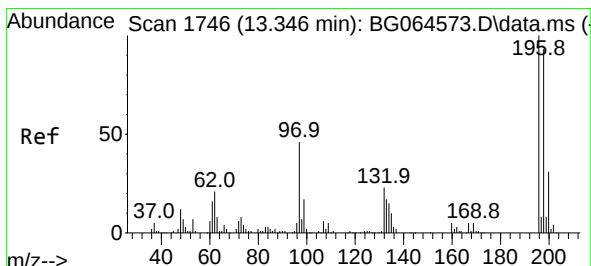
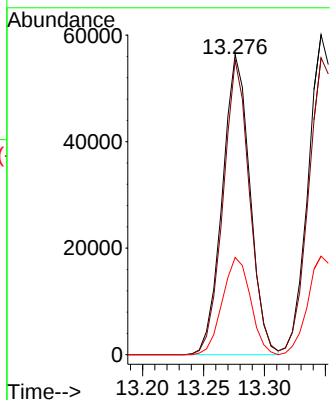
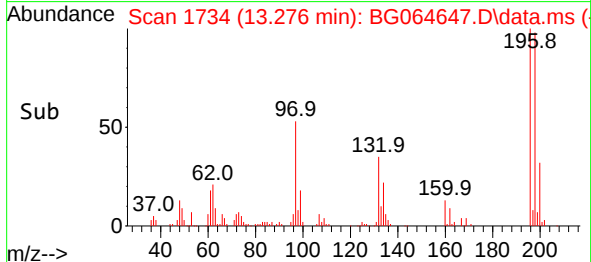
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



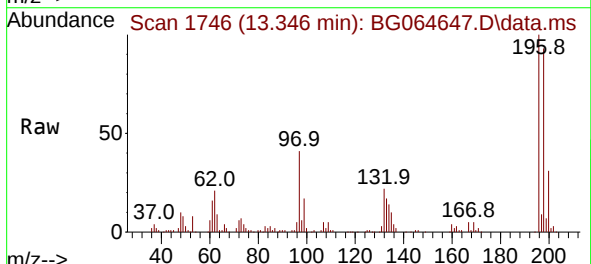
Tgt Ion:196 Resp: 8865
Ion Ratio Lower Upper
196 100
198 98.1 76.6 115.0
200 32.4 26.0 39.0

Manual Integrations
APPROVED

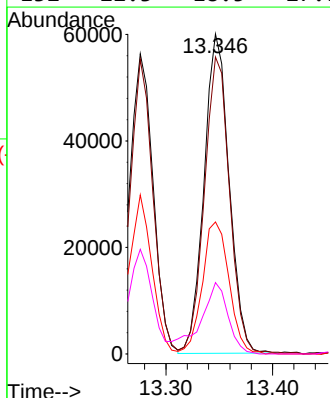
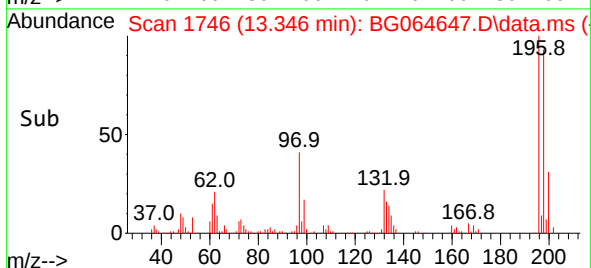
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

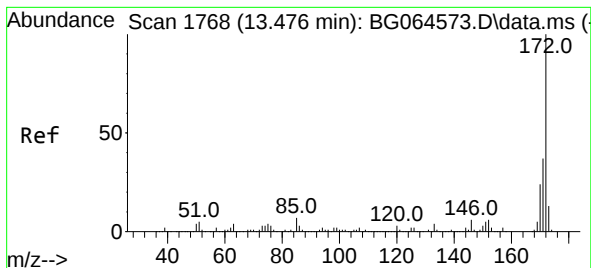


#44
2,4,5-Trichlorophenol
Concen: 52.940 ng
RT: 13.346 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



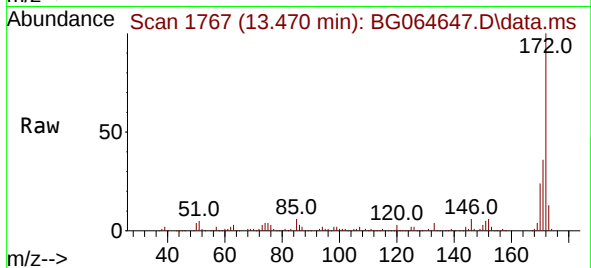
Tgt Ion:196 Resp: 98023
Ion Ratio Lower Upper
196 100
198 92.8 74.2 111.4
97 41.3 37.0 55.6
132 22.3 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 90.256 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

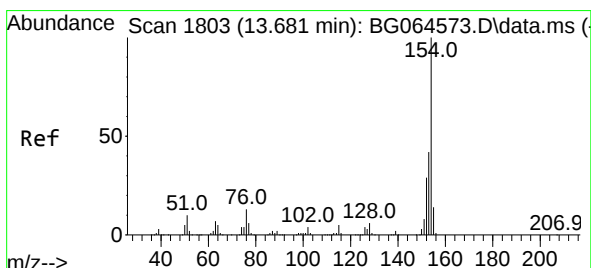
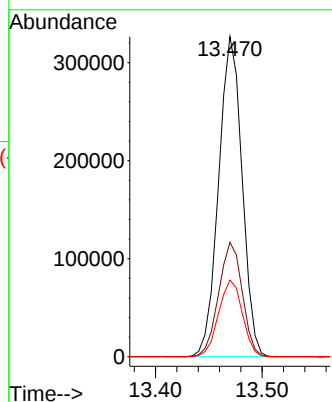
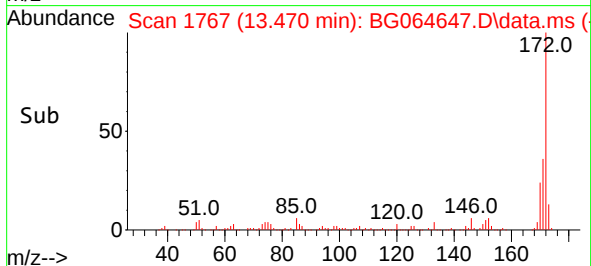
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



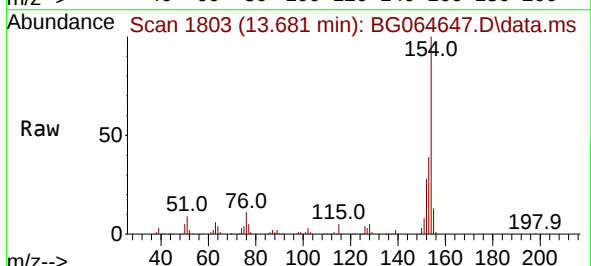
Tgt Ion:172 Resp: 497684
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.0 19.1 28.7

Manual Integrations
APPROVED

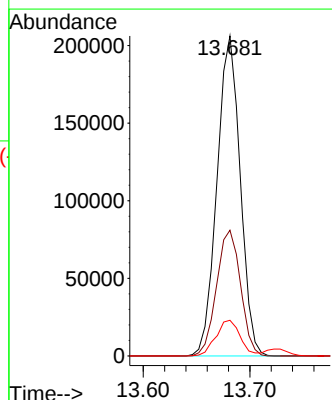
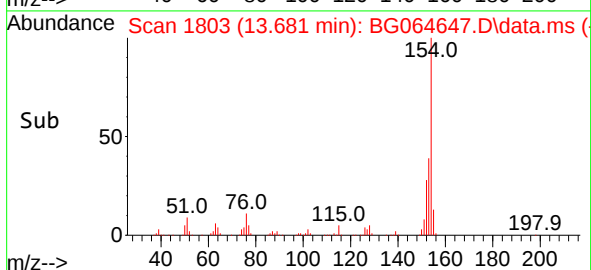
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

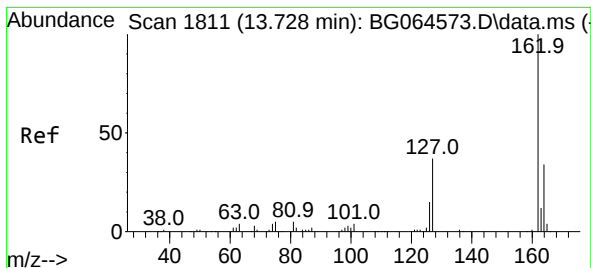


#46
1,1'-Biphenyl
Concen: 52.419 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



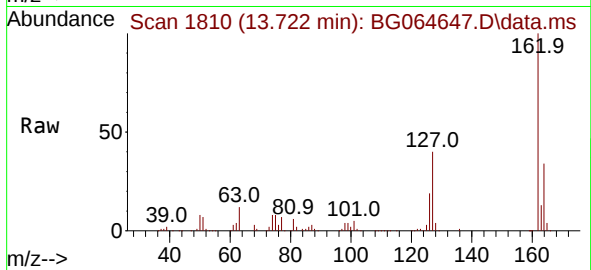
Tgt Ion:154 Resp: 311473
Ion Ratio Lower Upper
154 100
153 39.3 22.4 62.4
76 11.2 0.0 33.5





#47
2-Chloronaphthalene
Concen: 47.367 ng
RT: 13.722 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

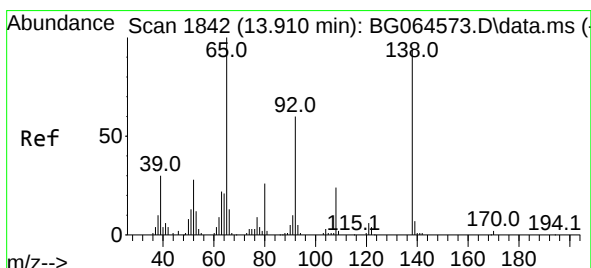
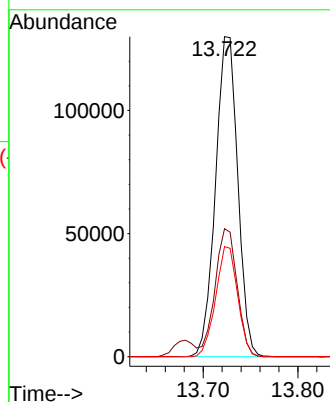
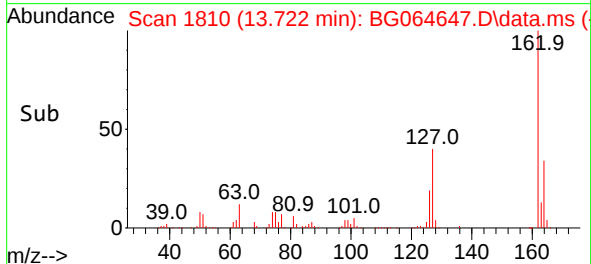
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



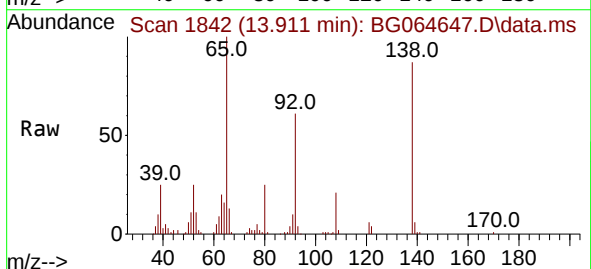
Tgt Ion:162 Resp: 21244
Ion Ratio Lower Upper
162 100
127 40.0 32.2 48.2
164 34.4 27.5 41.3

Manual Integrations
APPROVED

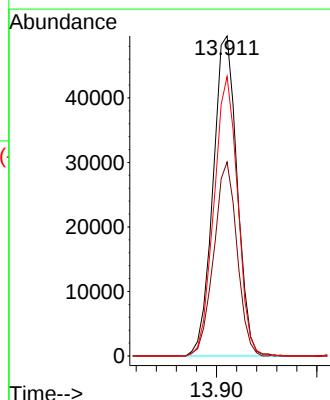
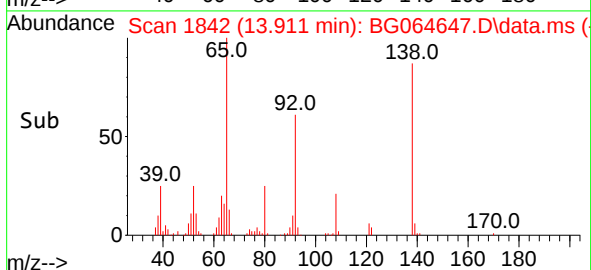
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

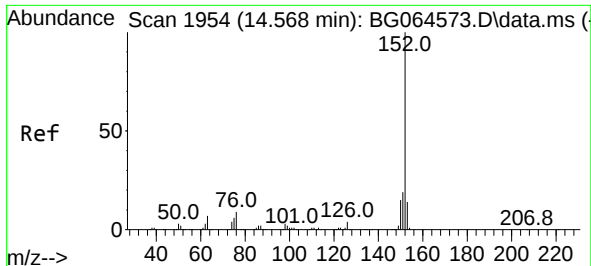


#48
2-Nitroaniline
Concen: 54.303 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



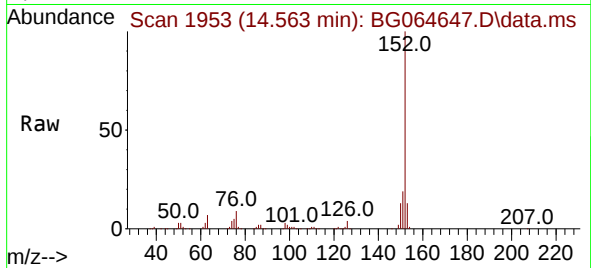
Tgt Ion: 65 Resp: 82448
Ion Ratio Lower Upper
65 100
92 60.6 48.3 72.5
138 87.3 74.9 112.3





#49
Acenaphthylene
Concen: 52.846 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

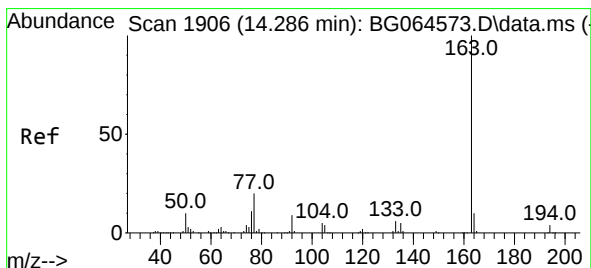
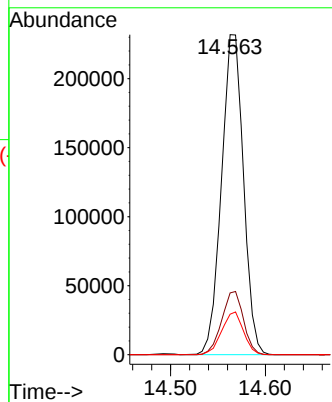
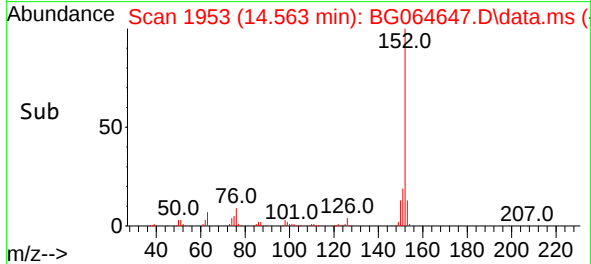
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



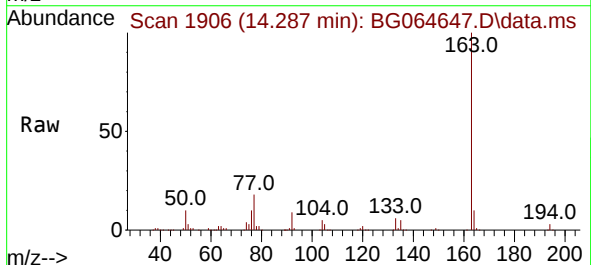
Tgt Ion:152 Resp: 37386
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.2
153 12.7 11.0 16.4

Manual Integrations
APPROVED

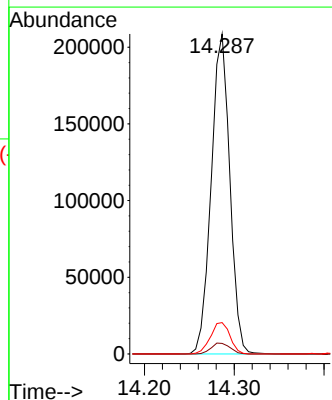
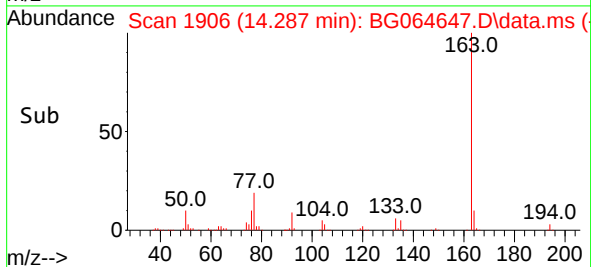
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

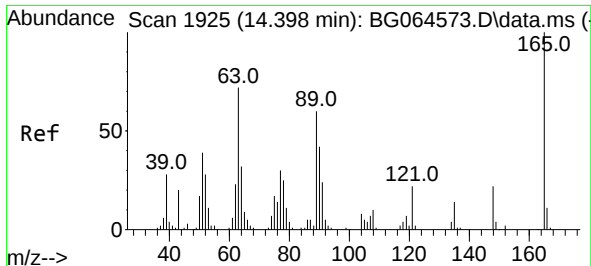


#50
Dimethylphthalate
Concen: 46.860 ng
RT: 14.287 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



Tgt Ion:163 Resp: 299698
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.8 7.7 11.5





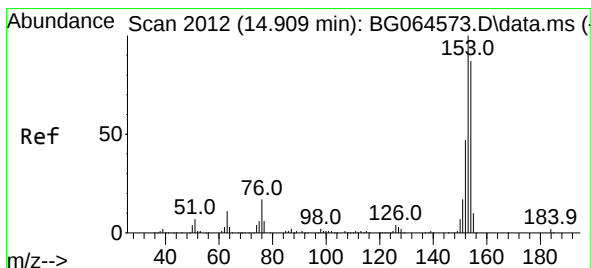
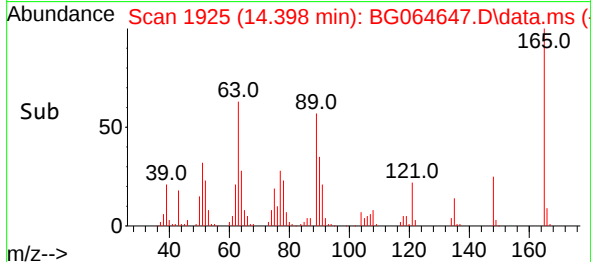
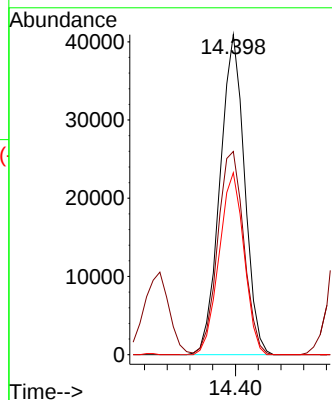
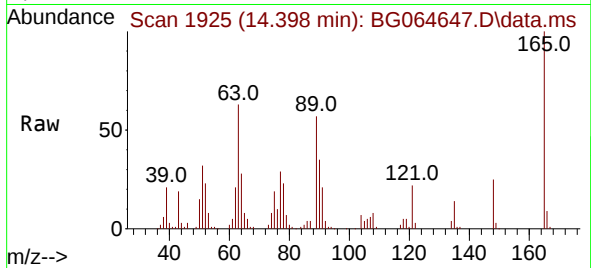
#51
2,6-Dinitrotoluene
Concen: 57.445 ng
RT: 14.398 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:165 Resp: 61330
Ion Ratio Lower Upper
165 100
63 63.5 57.4 86.0
89 56.8 47.8 71.8

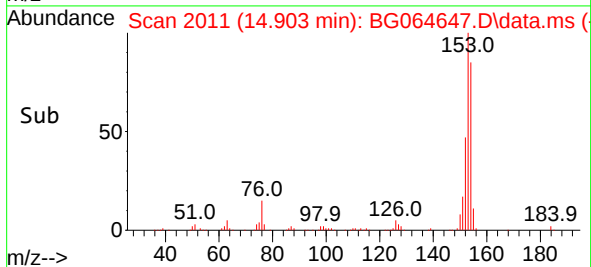
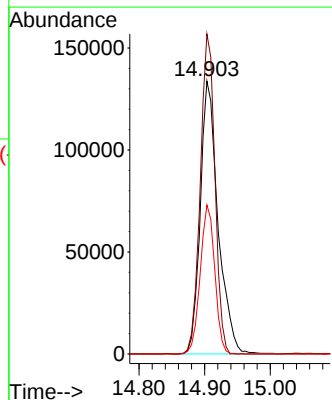
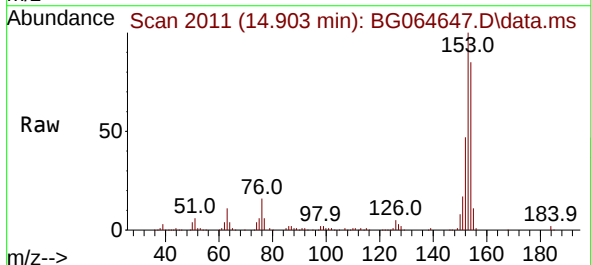
Manual Integrations
APPROVED

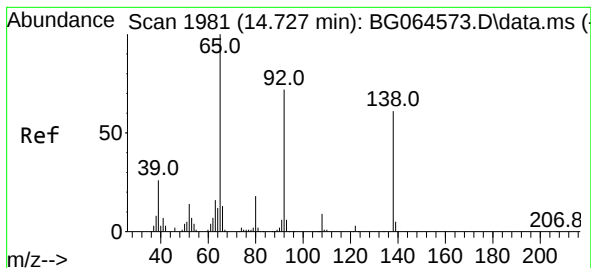
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 52.266 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:154 Resp: 252627
Ion Ratio Lower Upper
154 100
153 117.3 92.2 138.4
152 54.6 43.2 64.8





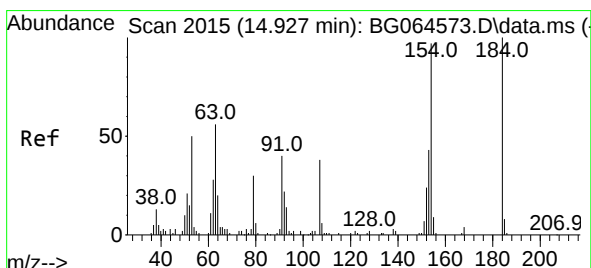
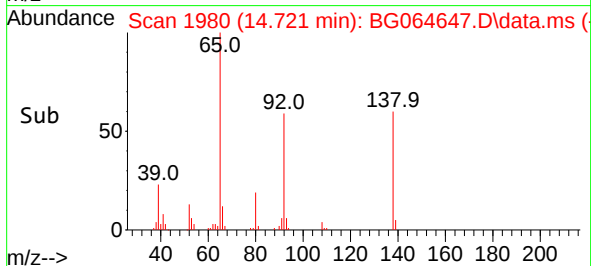
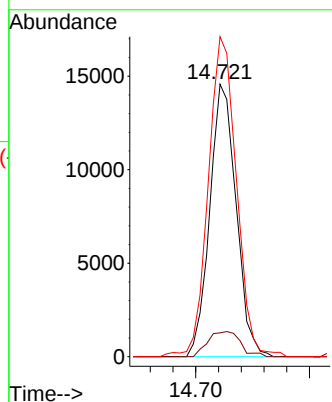
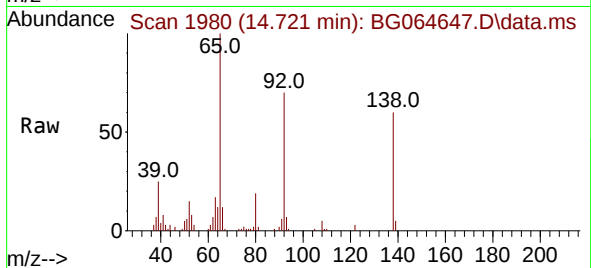
#53
3-Nitroaniline
Concen: 21.313 ng
RT: 14.721 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:138 Resp: 23425
Ion Ratio Lower Upper
138 100
108 8.8 11.4 17.0
92 117.4 95.3 142.9

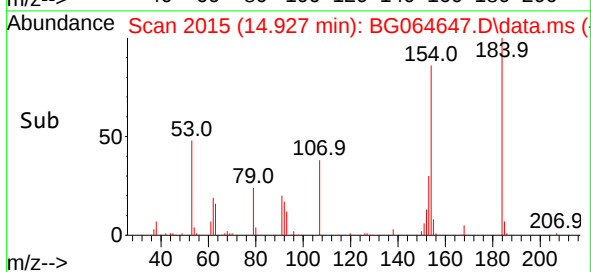
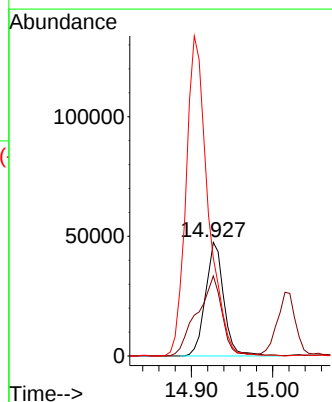
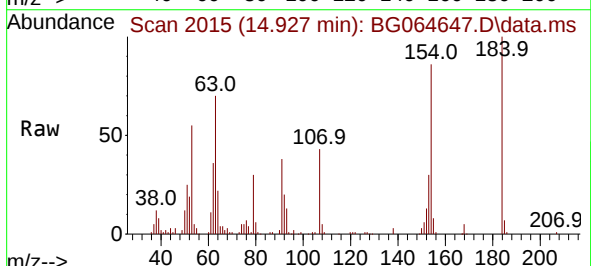
Manual Integrations
APPROVED

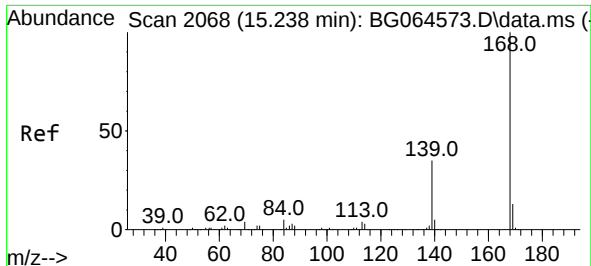
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#54
2,4-Dinitrophenol
Concen: 112.141 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

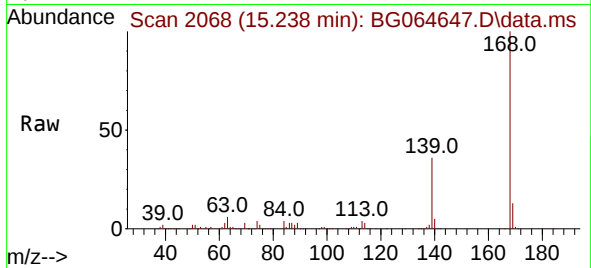
Tgt Ion:184 Resp: 74174
Ion Ratio Lower Upper
184 100
63 70.3 56.6 85.0
154 86.1 158.6 238.0#





#55
Dibenzenofuran
Concen: 46.797 ng
RT: 15.238 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

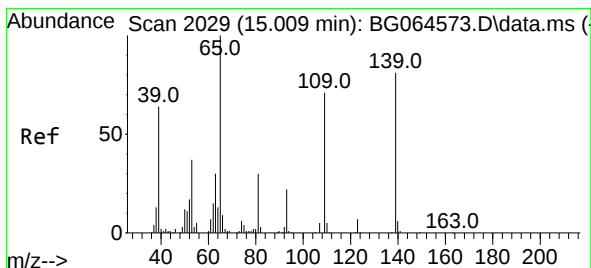
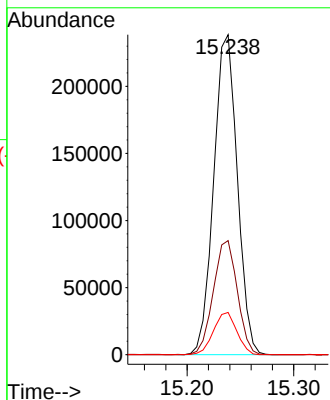
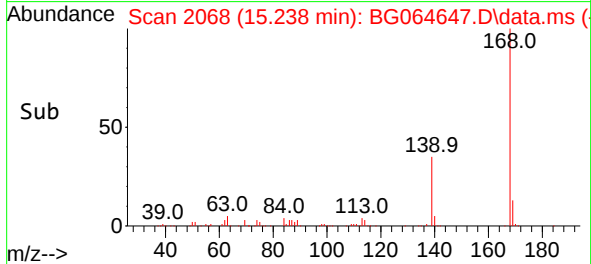
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:168 Resp: 365680
Ion Ratio Lower Upper
168 100
139 35.7 27.8 41.8
169 13.2 10.3 15.5

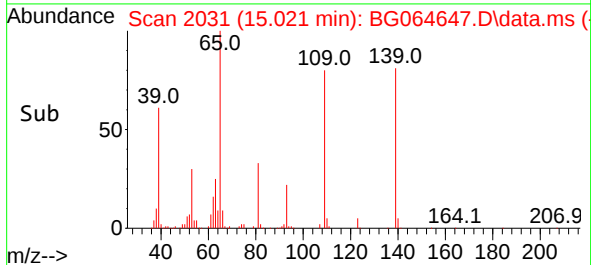
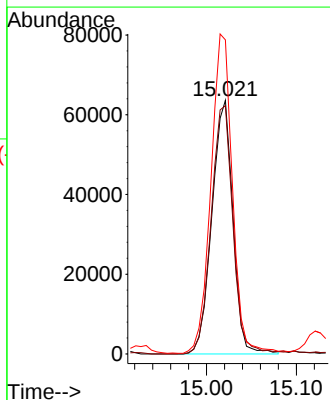
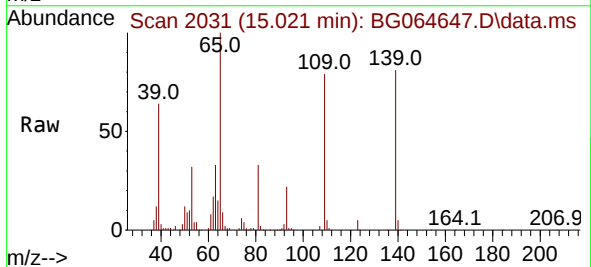
Manual Integrations
APPROVED

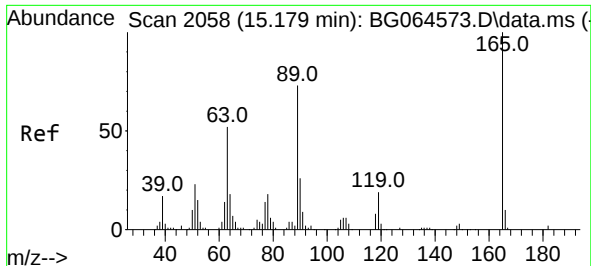
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#56
4-Nitrophenol
Concen: 101.662 ng
RT: 15.021 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

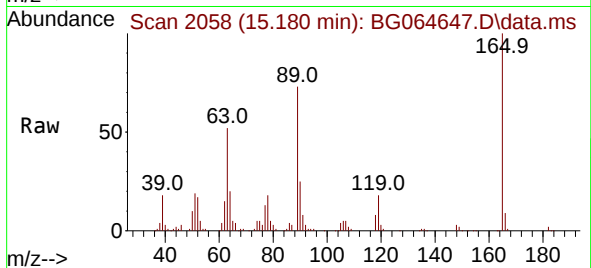
Tgt Ion:139 Resp: 103596
Ion Ratio Lower Upper
139 100
109 97.9 67.8 107.8
65 123.9 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 55.958 ng
RT: 15.180 min Scan# 2058
Delta R.T. 0.001 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

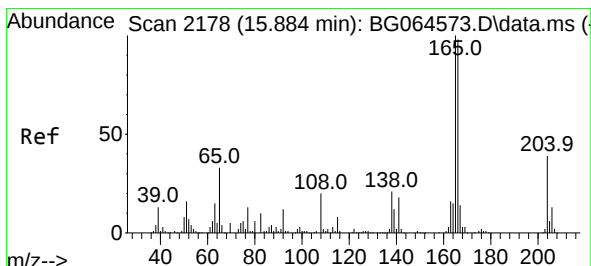
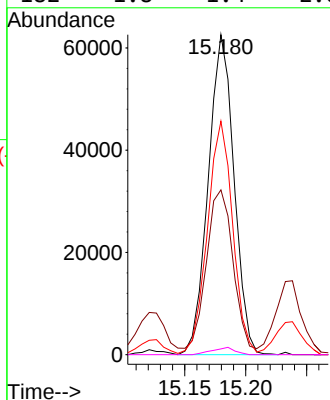
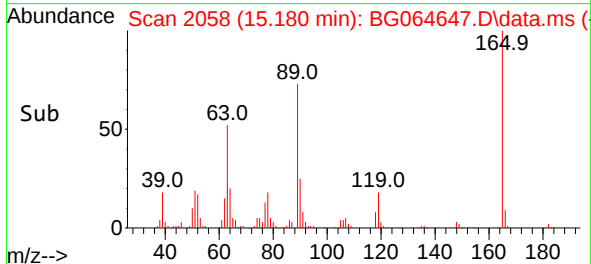
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



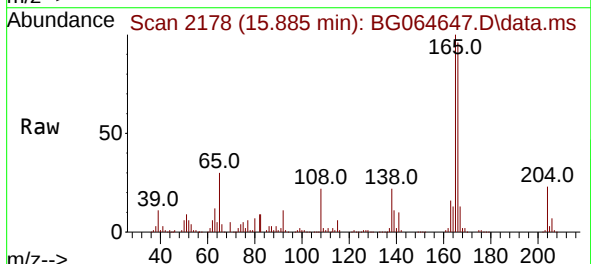
Tgt Ion:165 Resp: 9218
Ion Ratio Lower Upper
165 100
63 51.5 41.8 62.8
89 72.9 58.1 87.1
182 1.8 1.4 2.0

Manual Integrations
APPROVED

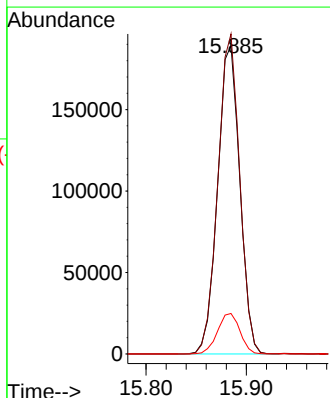
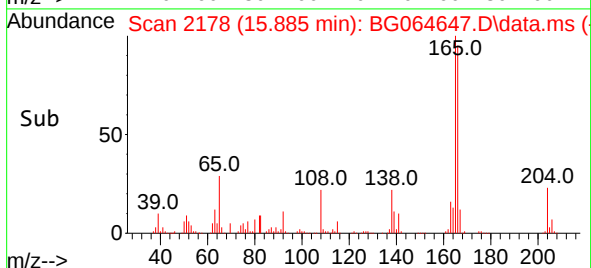
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

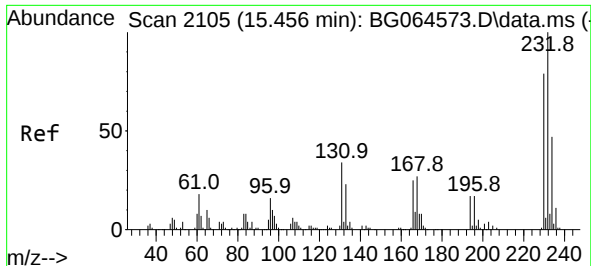


#58
Fluorene
Concen: 47.551 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



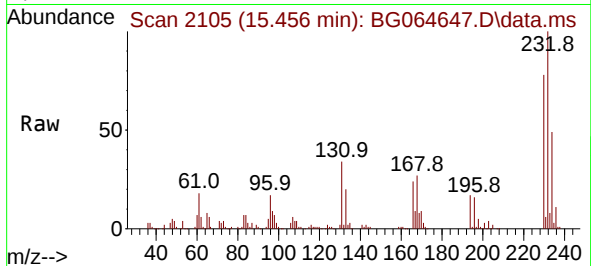
Tgt Ion:166 Resp: 290188
Ion Ratio Lower Upper
166 100
165 103.7 81.5 122.3
167 13.1 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 58.653 ng
RT: 15.456 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

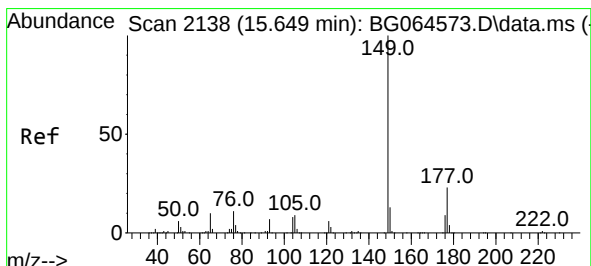
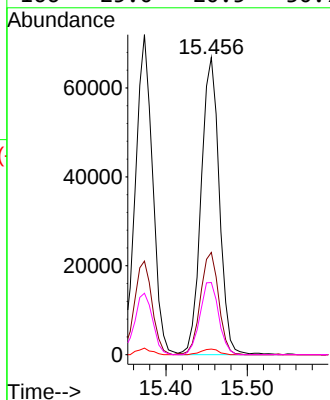
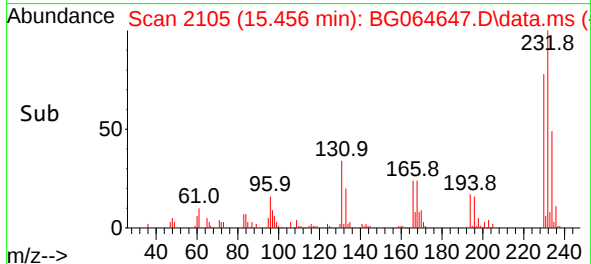
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:232 Resp: 10384
Ion Ratio Lower Upper
232 100
131 34.4 26.7 40.1
130 1.9 1.6 2.4
166 25.0 20.5 30.7

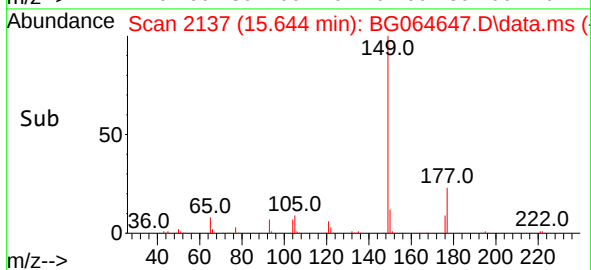
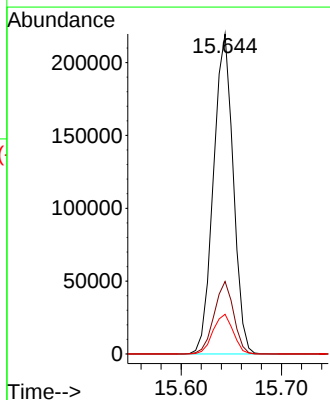
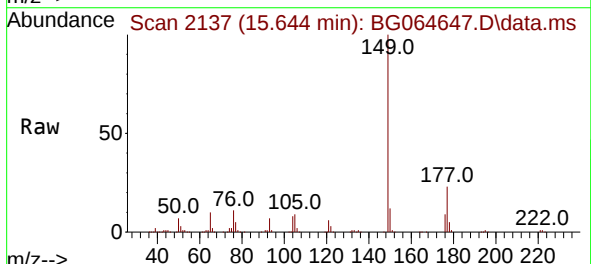
Manual Integrations
APPROVED

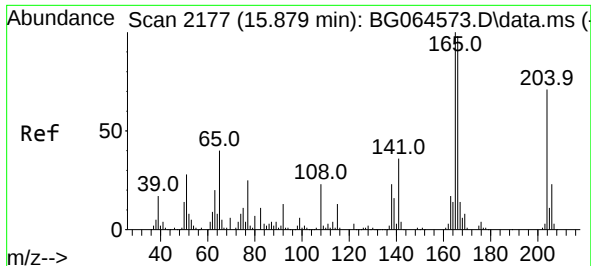
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#60
Diethylphthalate
Concen: 45.981 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

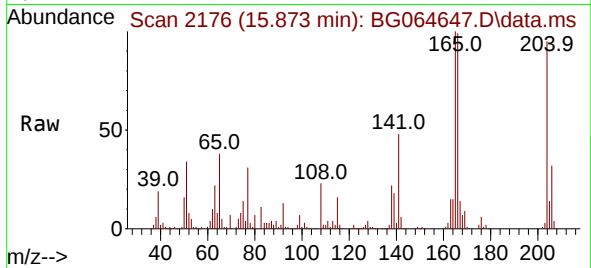
Tgt Ion:149 Resp: 300263
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 12.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 48.678 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

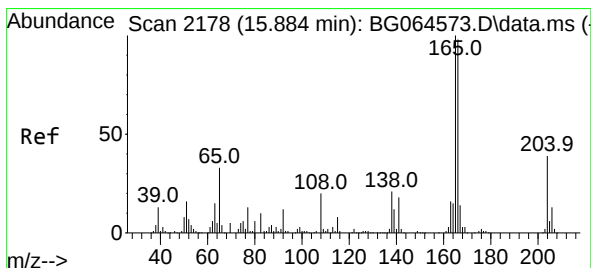
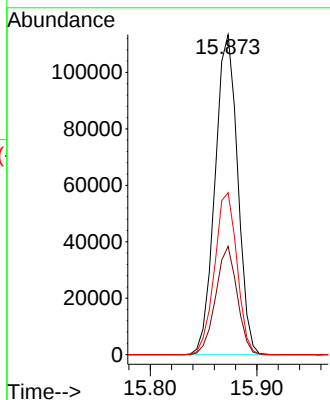
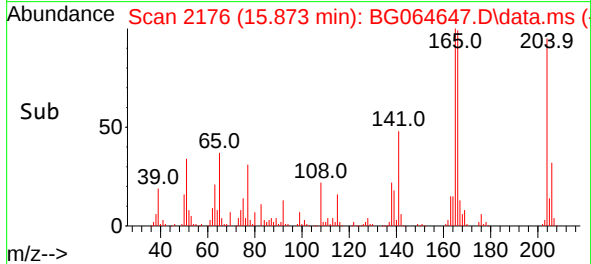
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



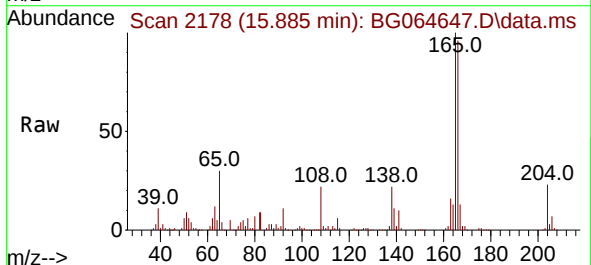
Tgt Ion:204 Resp: 166710
Ion Ratio Lower Upper
204 100
206 33.8 25.6 38.4
141 50.6 40.6 60.8

Manual Integrations
APPROVED

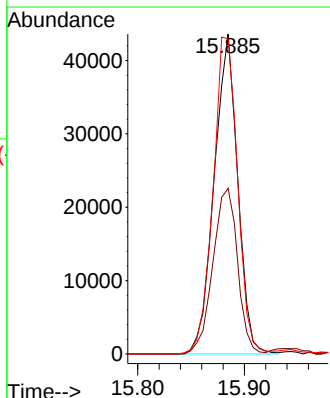
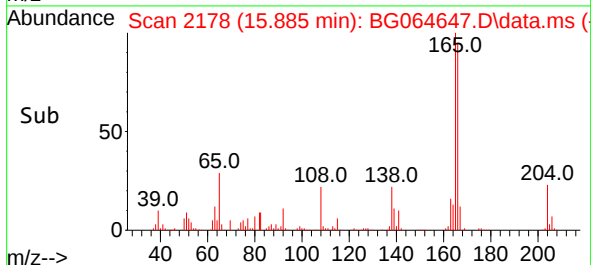
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

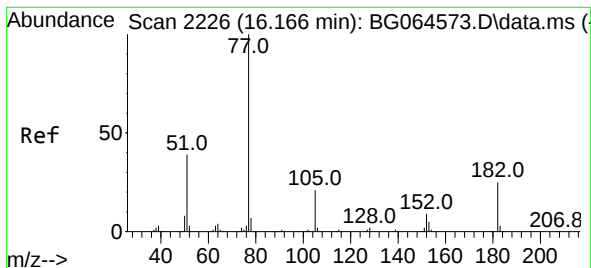


#62
4-Nitroaniline
Concen: 54.487 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



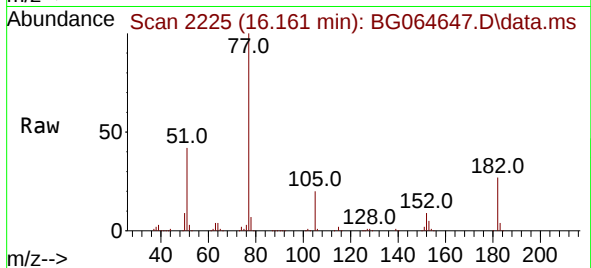
Tgt Ion:138 Resp: 66625
Ion Ratio Lower Upper
138 100
92 51.8 36.1 76.1
108 98.4 75.6 115.6





#63
Azobenzene
Concen: 45.424 ng
RT: 16.161 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

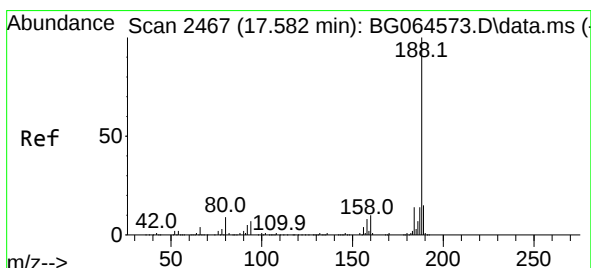
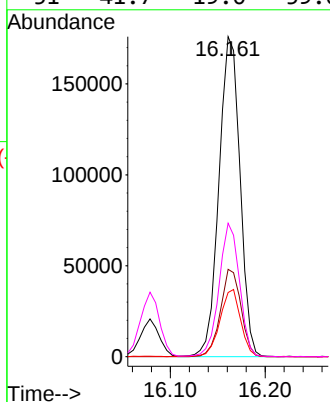
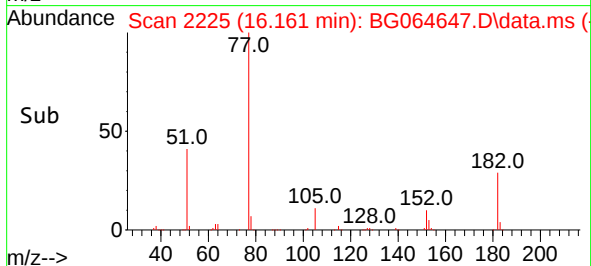
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion: 77 Resp: 27216
Ion Ratio Lower Upper
77 100
182 27.3 4.9 44.9
105 20.0 1.3 41.3
51 41.7 19.0 59.0

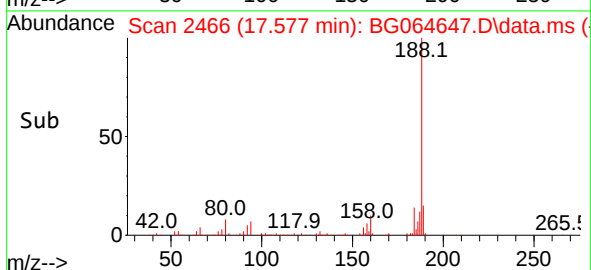
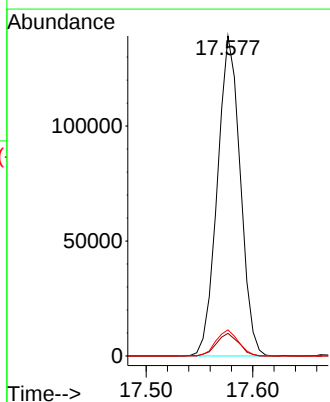
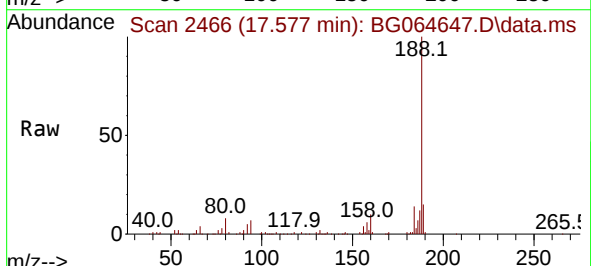
Manual Integrations
APPROVED

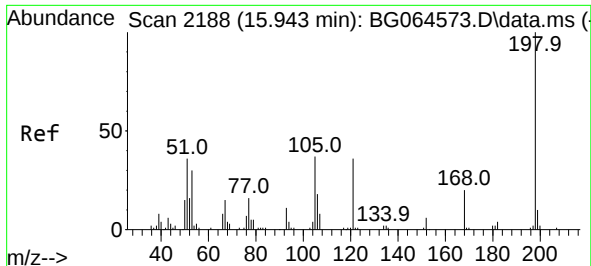
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:188 Resp: 207248
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 8.2 6.8 10.2





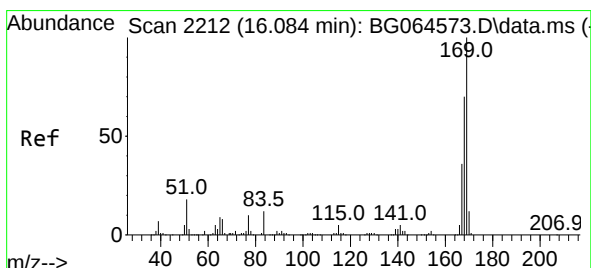
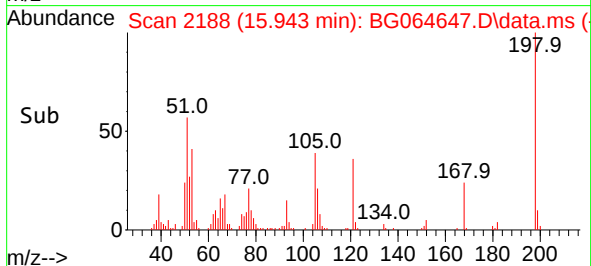
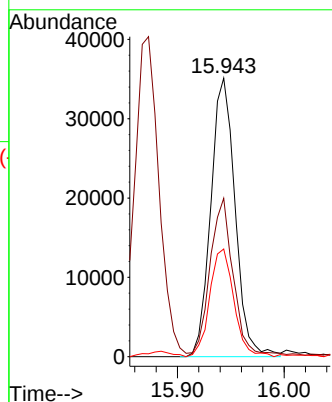
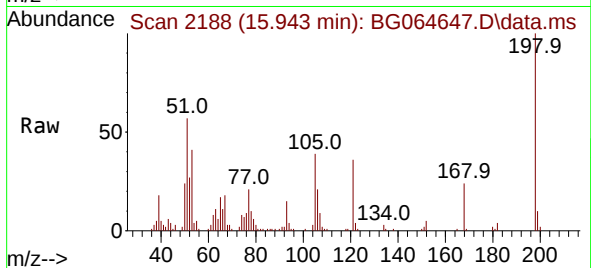
#65
4,6-Dinitro-2-methylphenol
Concen: 59.488 ng
RT: 15.943 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD

Tgt Ion:198 Resp: 55580
Ion Ratio Lower Upper
198 100
51 56.9 24.7 64.7
105 38.6 18.0 58.0

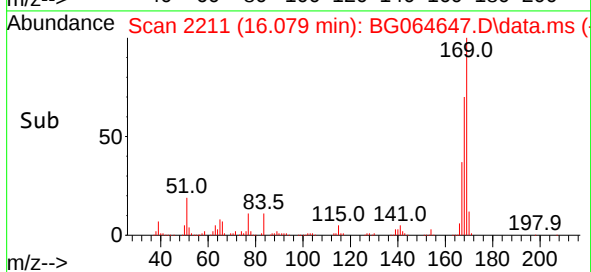
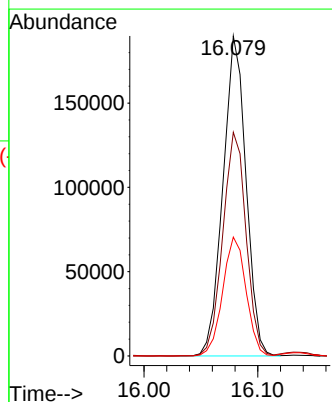
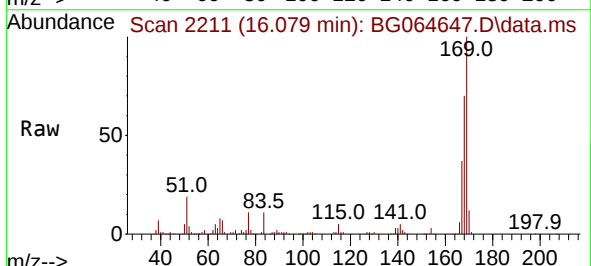
Manual Integrations
APPROVED

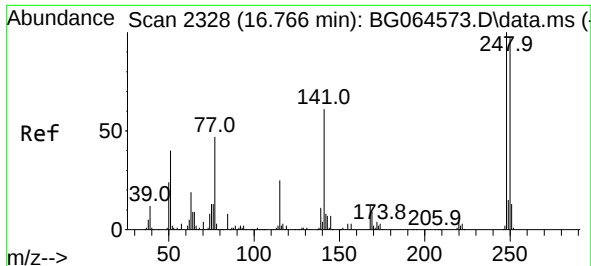
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#66
n-Nitrosodiphenylamine
Concen: 47.710 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

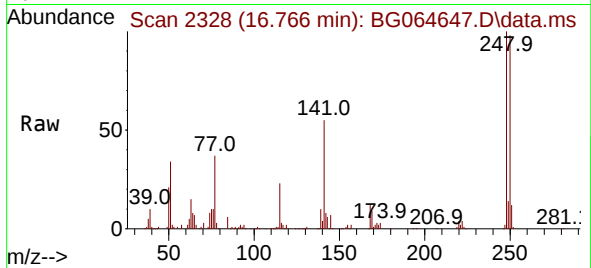
Tgt Ion:169 Resp: 267096
Ion Ratio Lower Upper
169 100
168 69.9 56.3 84.5
167 37.1 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 47.791 ng
RT: 16.766 min Scan# 211
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

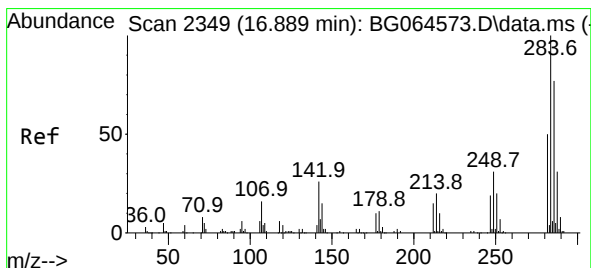
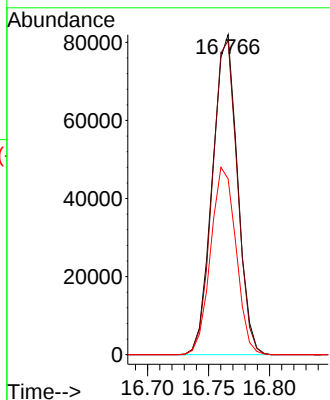
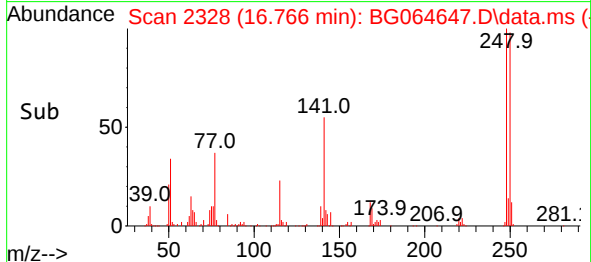
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



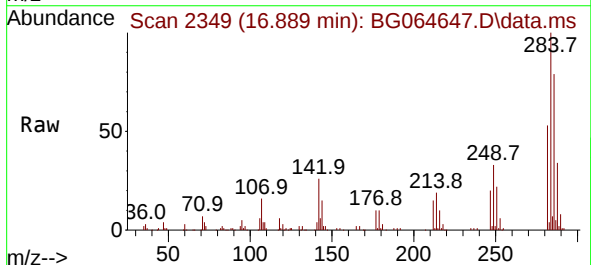
Tgt Ion:248 Resp: 117374
Ion Ratio Lower Upper
248 100
250 98.2 77.7 116.5
141 55.0 48.6 72.8

Manual Integrations
APPROVED

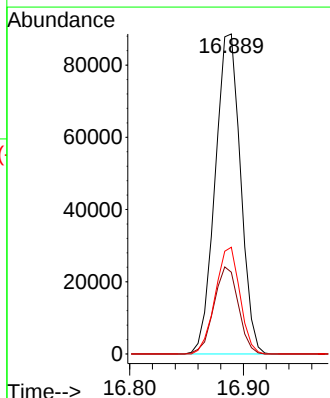
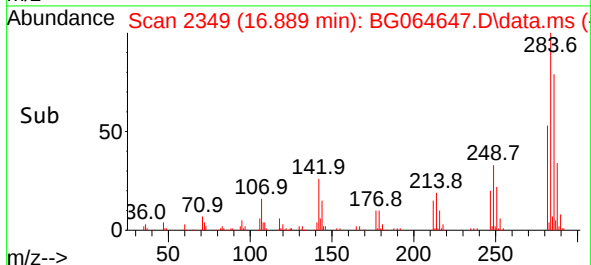
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

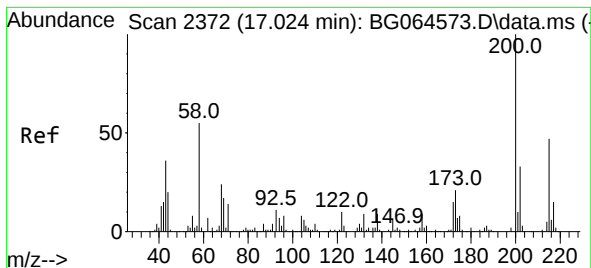


#68
Hexachlorobenzene
Concen: 49.056 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10



Tgt Ion:284 Resp: 137447
Ion Ratio Lower Upper
284 100
142 25.5 21.0 31.6
249 35.8 24.9 37.3





#69

Atrazine

Concen: 52.259 ng

RT: 17.019 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

Tgt Ion:200 Resp: 12590

Ion Ratio Lower Upper

200 100

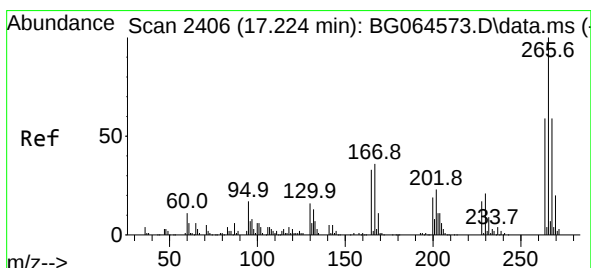
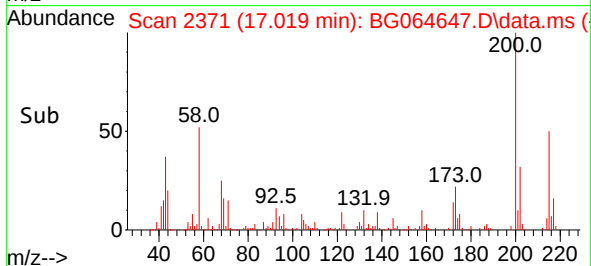
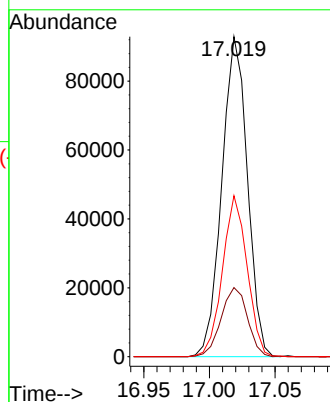
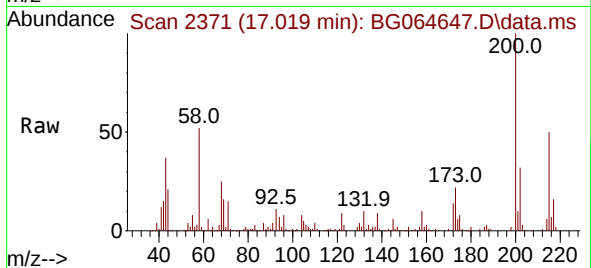
173 21.6 0.9 40.9

215 50.3 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#70

Pentachlorophenol

Concen: 111.468 ng

RT: 17.224 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

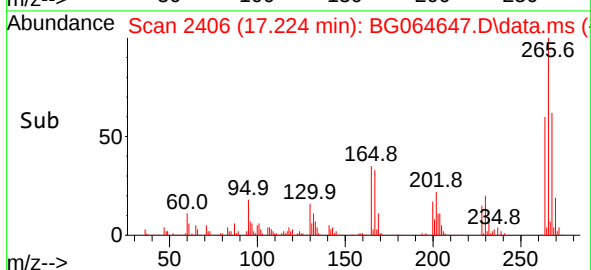
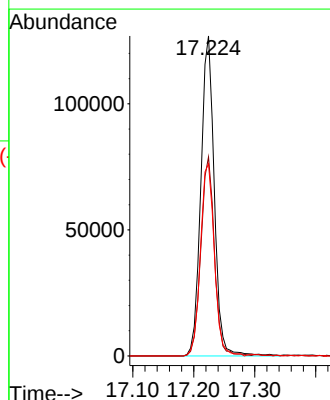
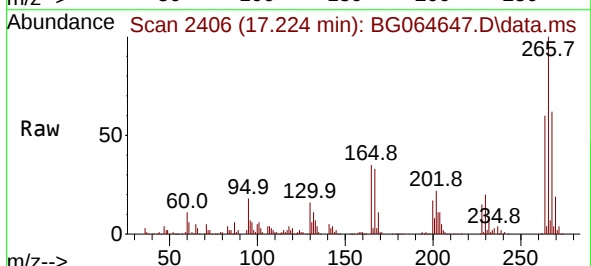
Tgt Ion:266 Resp: 194756

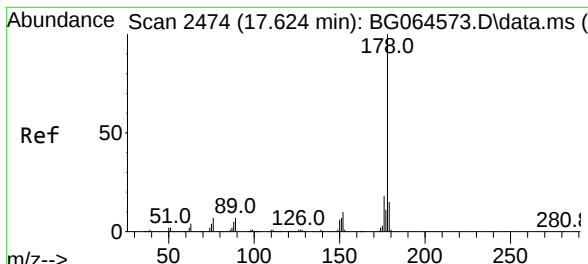
Ion Ratio Lower Upper

266 100

268 66.6 50.3 75.5

264 64.5 47.3 70.9





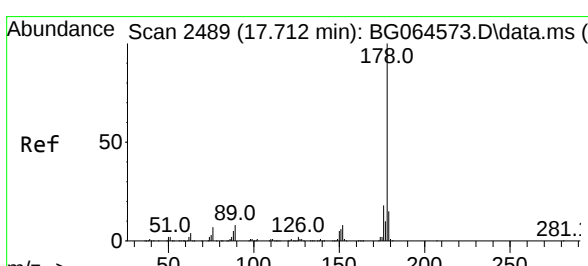
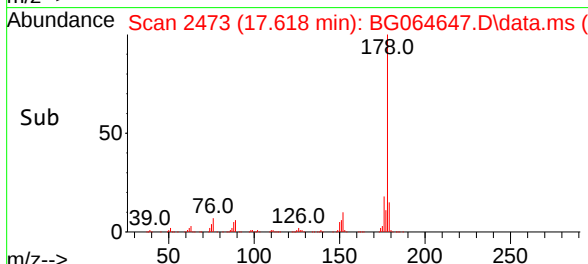
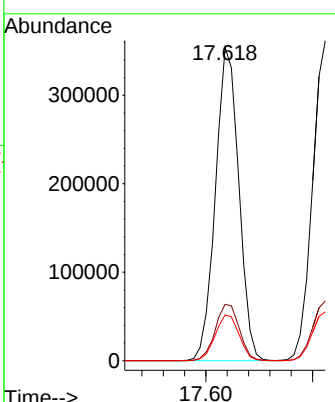
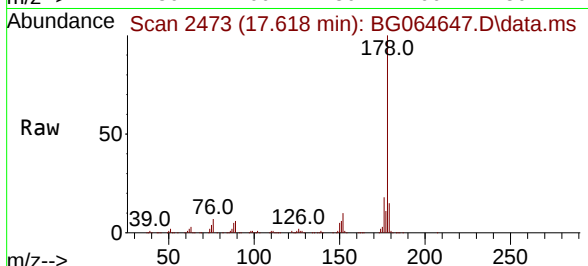
#71
 Phenanthrene
 Concen: 47.468 ng
 RT: 17.618 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10

Instrument : BNA_G
 ClientSampleId : SOUTH-MAHWAH-SOILMSD

Tgt Ion:178 Resp: 537978

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	14.6	12.2	18.4

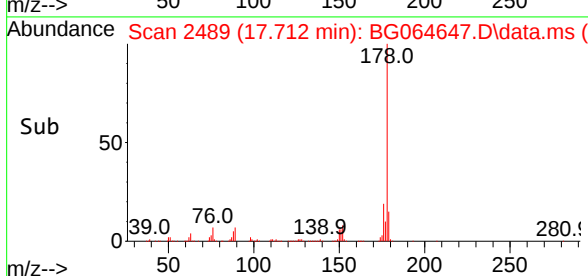
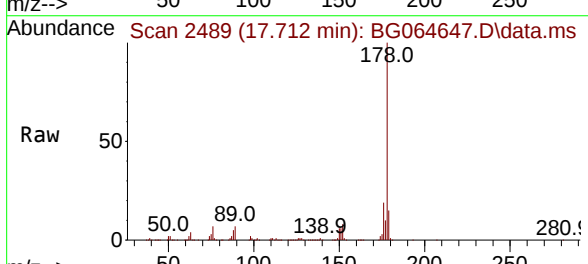
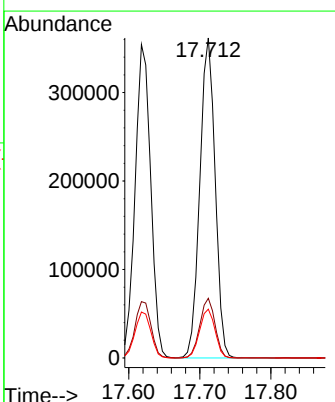
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

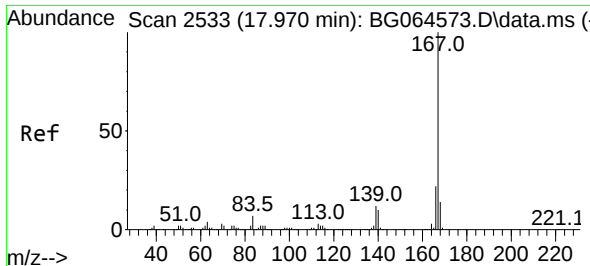


#72
 Anthracene
 Concen: 47.134 ng
 RT: 17.712 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10

Tgt Ion:178 Resp: 543400

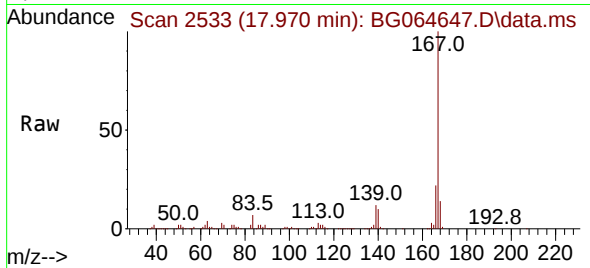
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	15.3	12.4	18.6





#73
 Carbazole
 Concen: 49.419 ng
 RT: 17.970 min Scan# 2533
 Delta R.T. 0.000 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10

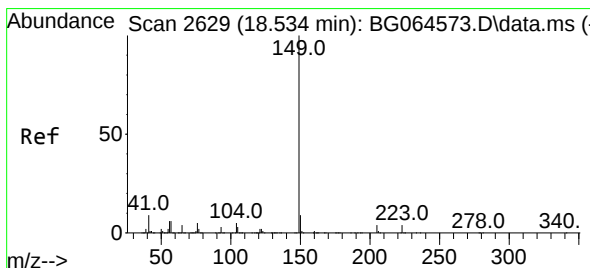
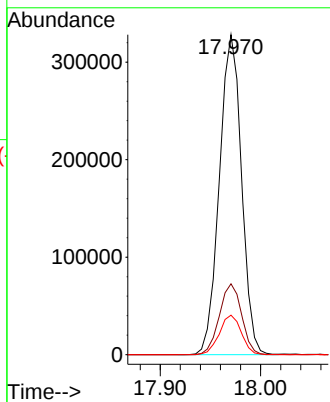
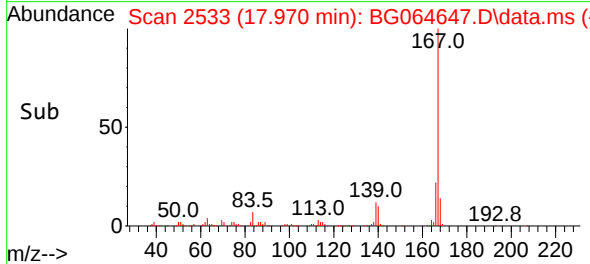
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD



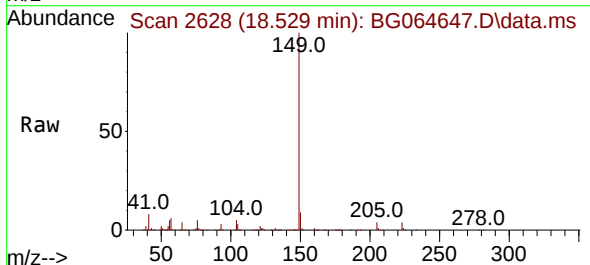
Tgt Ion:167 Resp: 502412
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.9 26.9
 139 12.3 9.7 14.5

Manual Integrations
 APPROVED

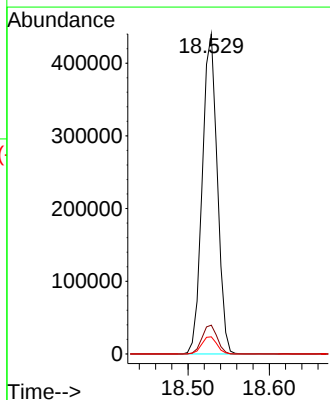
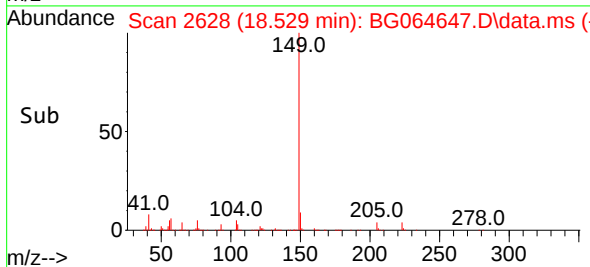
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

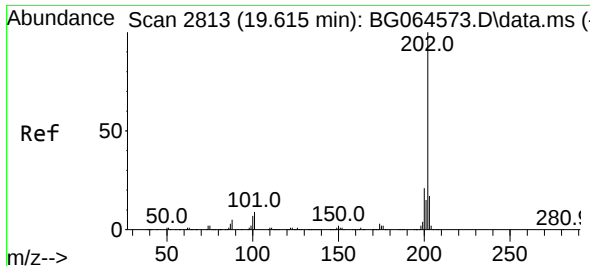


#74
 Di-n-butylphthalate
 Concen: 47.963 ng
 RT: 18.529 min Scan# 2628
 Delta R.T. -0.006 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10



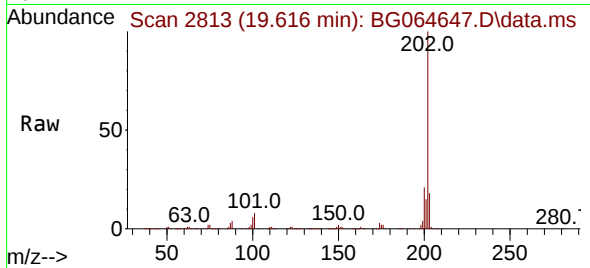
Tgt Ion:149 Resp: 563854
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.0 10.6
 104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 51.186 ng
RT: 19.616 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

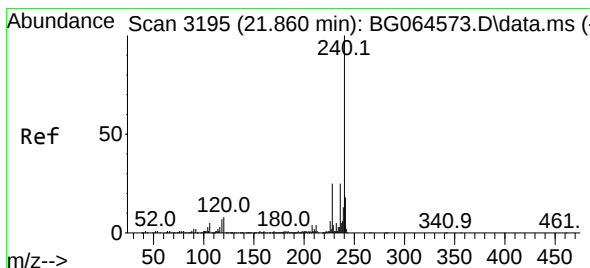
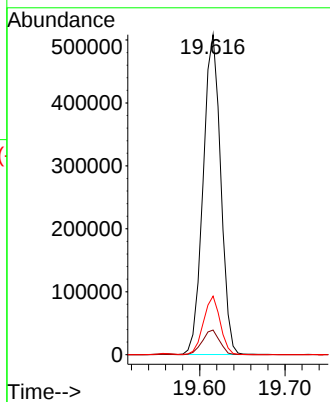
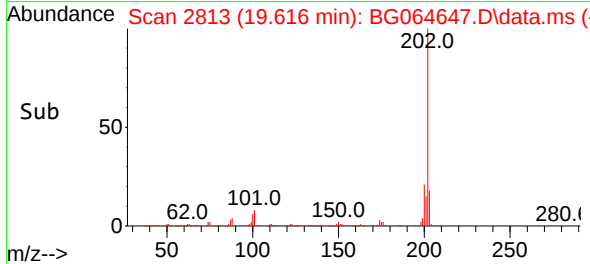
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:202 Resp: 726749
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.7
203 18.3 0.0 37.0

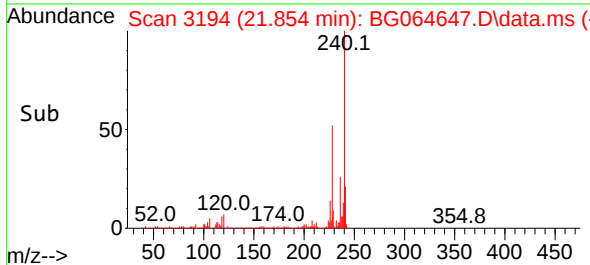
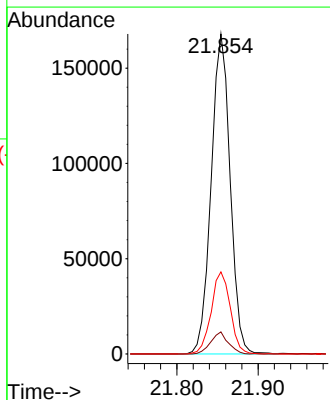
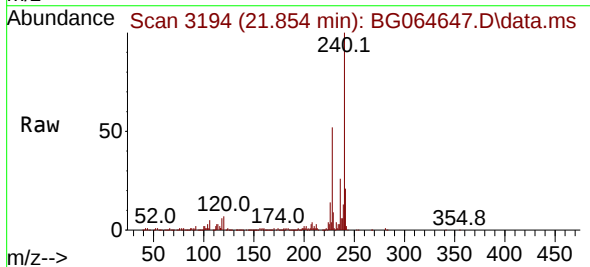
Manual Integrations
APPROVED

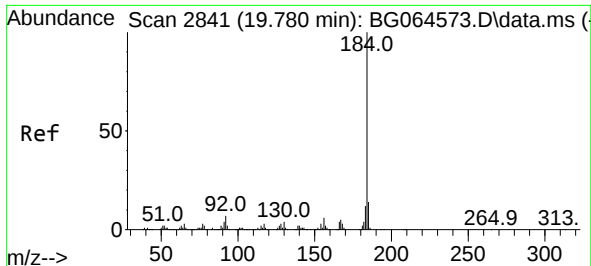
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

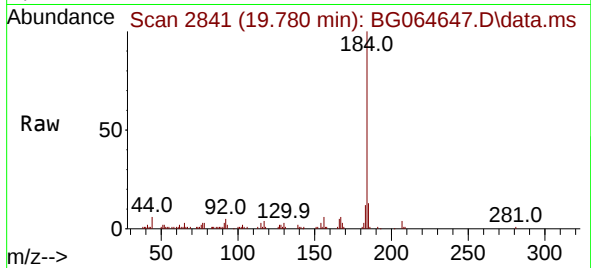
Tgt Ion:240 Resp: 272663
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 25.7 20.2 30.2





#77
Benzidine
Concen: 8.253 ng
RT: 19.780 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

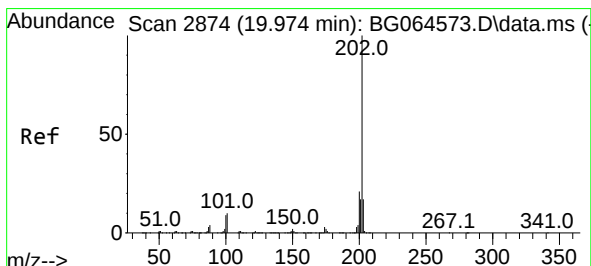
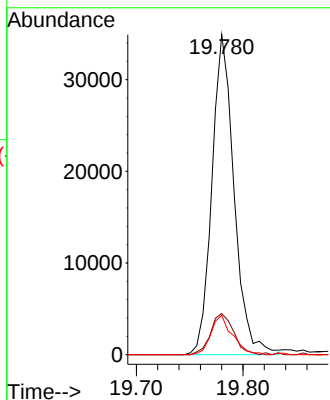
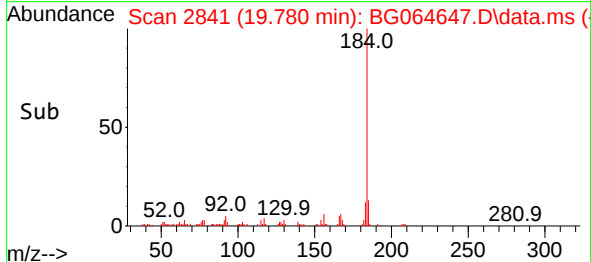
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:184 Resp: 5041
Ion Ratio Lower Upper
184 100
185 12.8 11.4 17.2
183 12.3 9.4 14.2

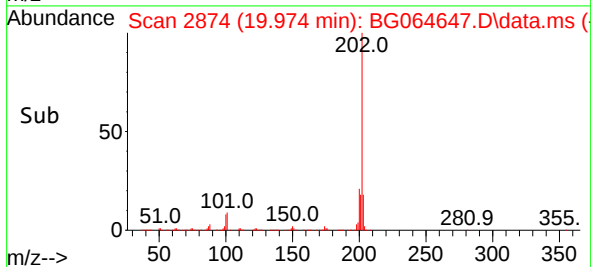
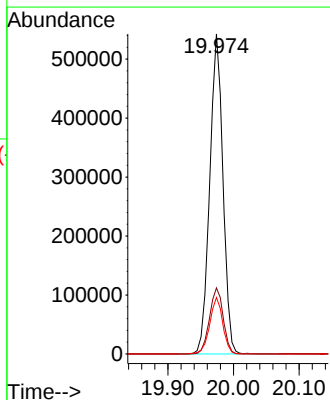
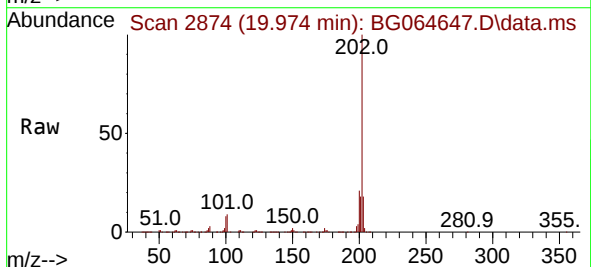
Manual Integrations
APPROVED

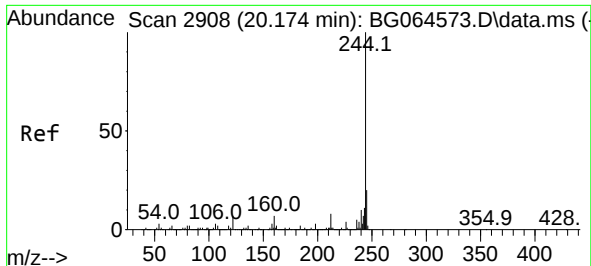
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#78
Pyrene
Concen: 42.650 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

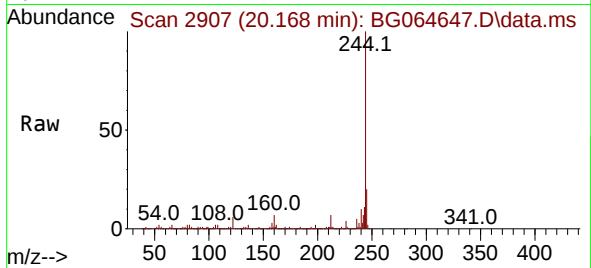
Tgt Ion:202 Resp: 759790
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.6 13.8 20.6





#79
 Terphenyl-d14
 Concen: 81.430 ng
 RT: 20.168 min Scan# 2908
 Delta R.T. -0.006 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10

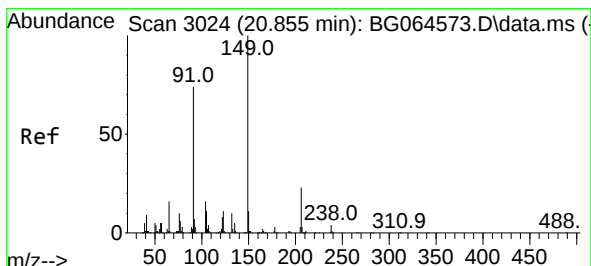
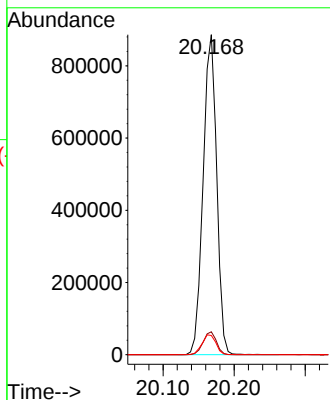
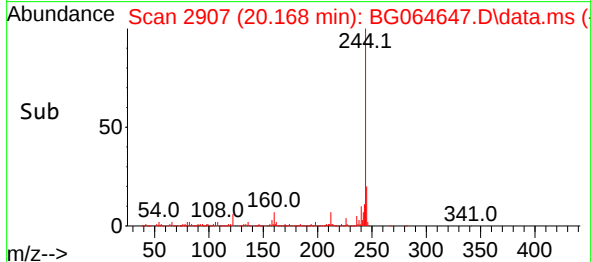
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD



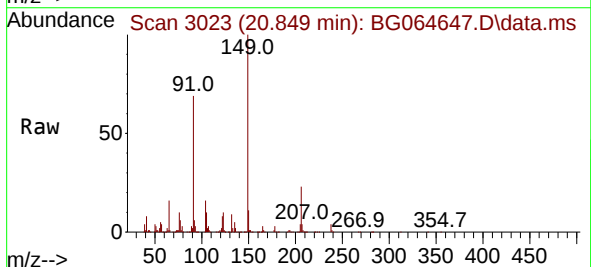
Tgt Ion:244 Resp: 117651
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.0 5.6 8.4

Manual Integrations
 APPROVED

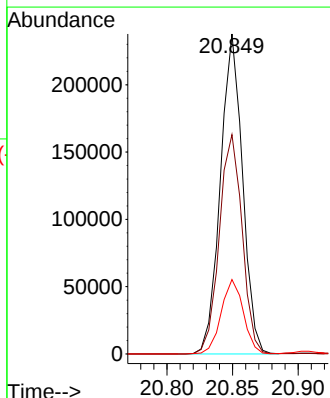
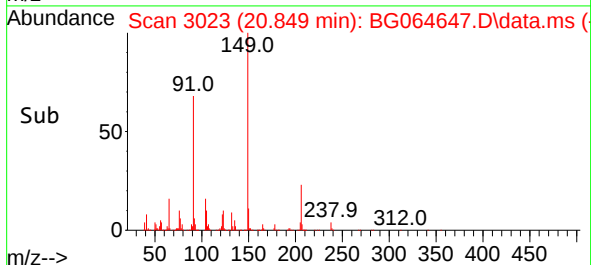
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

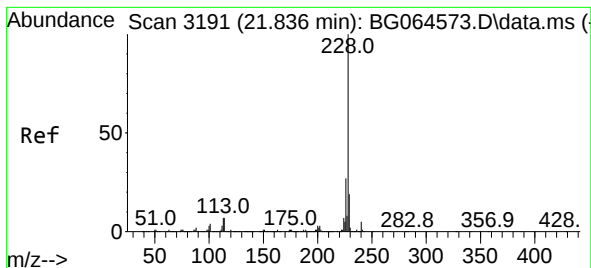


#80
 Butylbenzylphthalate
 Concen: 51.700 ng
 RT: 20.849 min Scan# 3023
 Delta R.T. -0.006 min
 Lab File: BG064647.D
 Acq: 30 Oct 2025 19:10



Tgt Ion:149 Resp: 278360
 Ion Ratio Lower Upper
 149 100
 91 68.6 59.2 88.8
 206 23.3 18.1 27.1





#81

Benzo(a)anthracene

Concen: 48.341 ng

RT: 21.837 min Scan# 3191

Delta R.T. 0.000 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

Tgt Ion:228 Resp: 87396

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

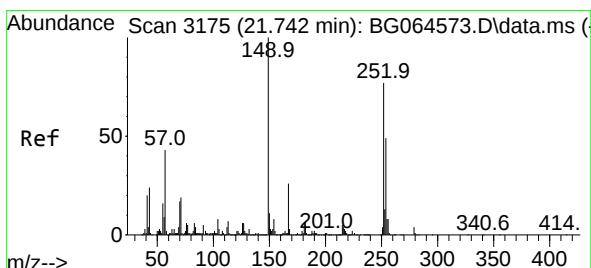
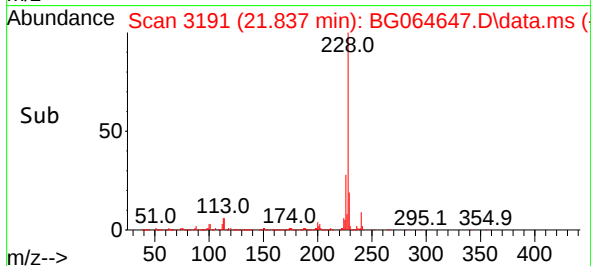
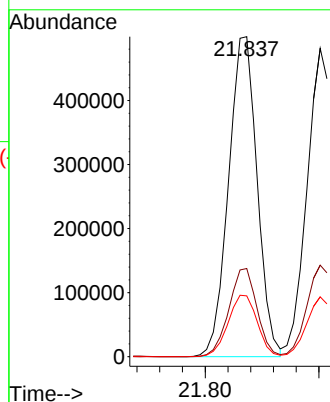
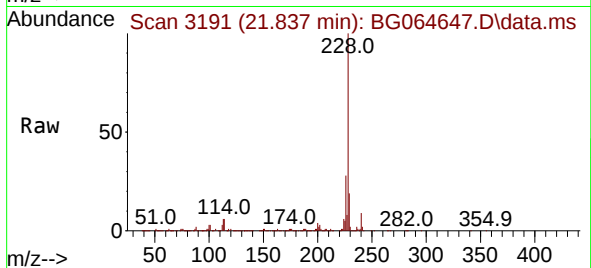
229 19.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#82

3,3'-Dichlorobenzidine

Concen: 20.280 ng

RT: 21.737 min Scan# 3174

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

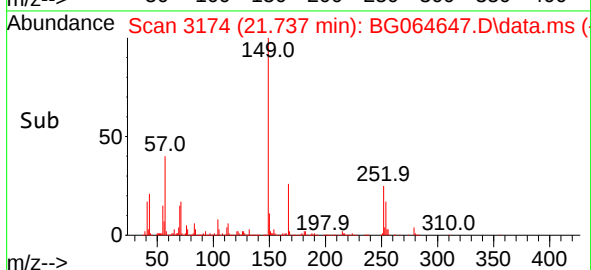
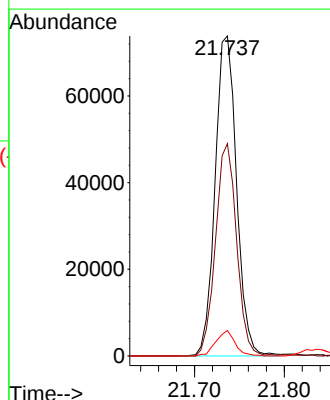
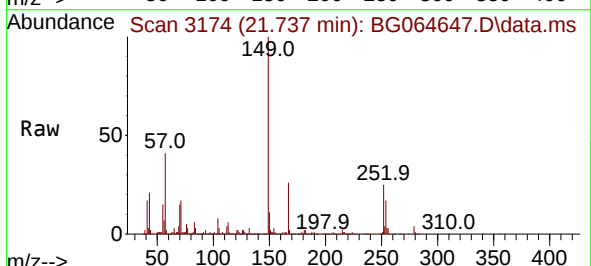
Tgt Ion:252 Resp: 122433

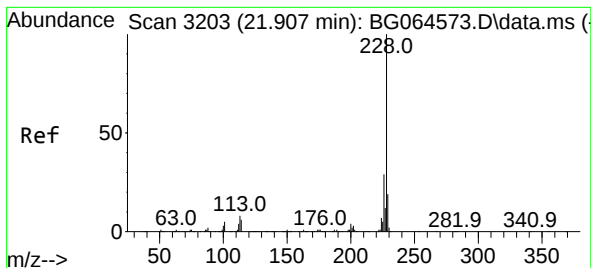
Ion Ratio Lower Upper

252 100

254 66.4 50.8 76.2

126 8.0 5.8 8.6





#83

Chrysene

Concen: 47.293 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

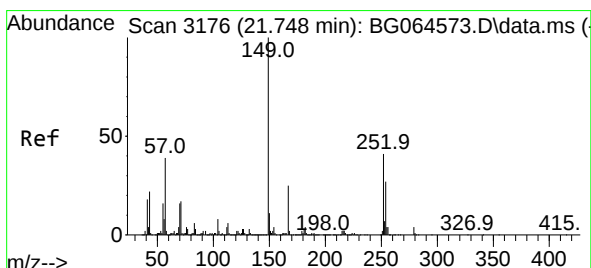
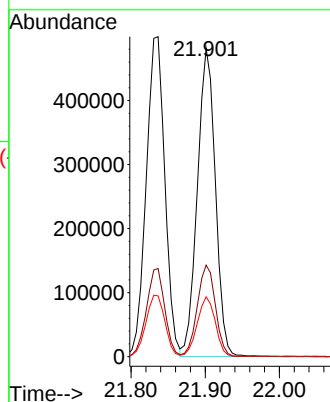
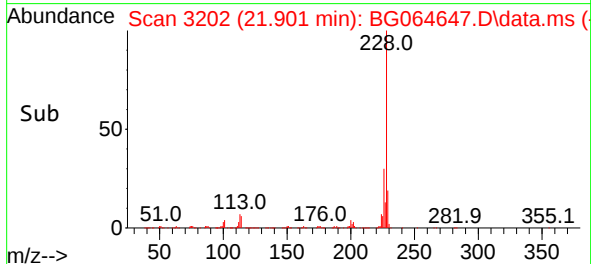
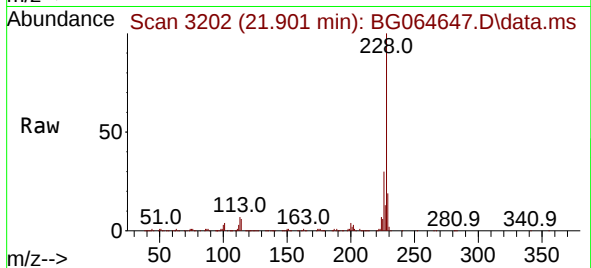
SOUTH-MAHWAH-SOILMSD

Tgt Ion:228 Resp: 813564
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.3 34.9
 229 19.4 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.450 ng

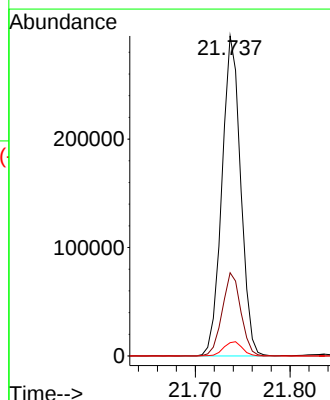
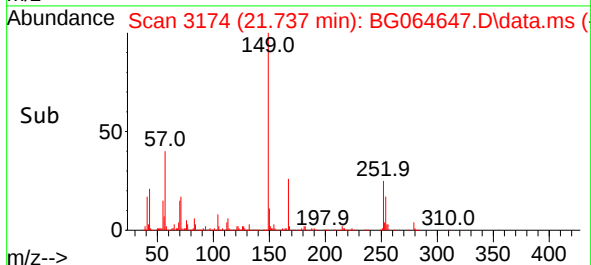
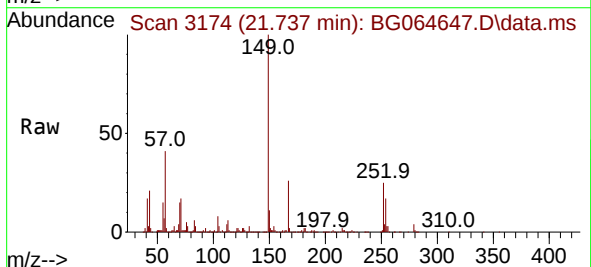
RT: 21.737 min Scan# 3174

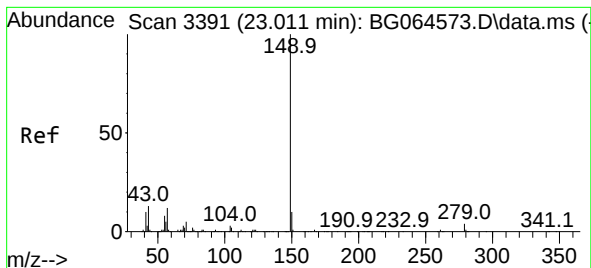
Delta R.T. -0.012 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Tgt Ion:149 Resp: 405879
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.0 30.0
 279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 52.623 ng

RT: 23.000 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

Tgt Ion:149 Resp: 71378

Ion Ratio Lower Upper

149 100

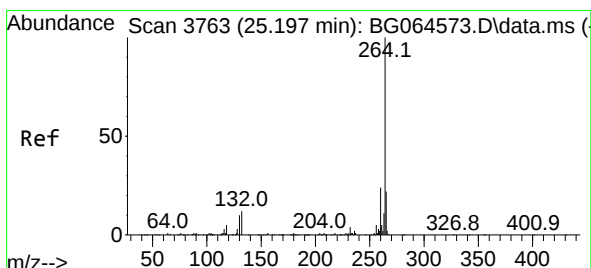
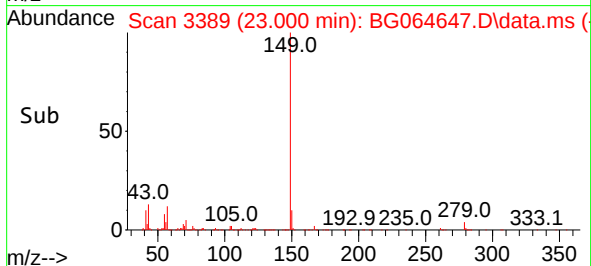
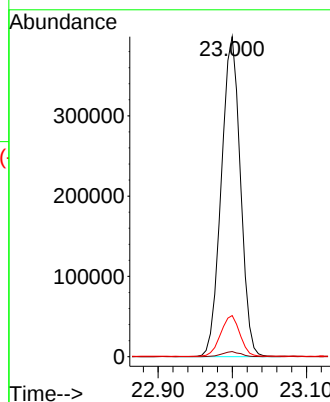
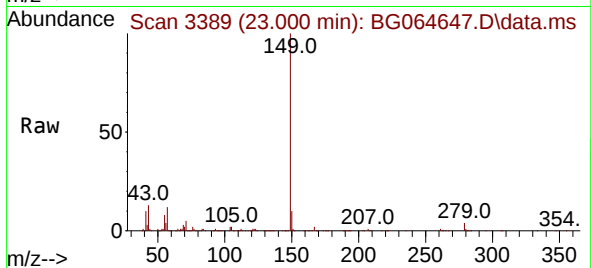
167 1.5 1.3 1.9

43 12.9 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.191 min Scan# 3762

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

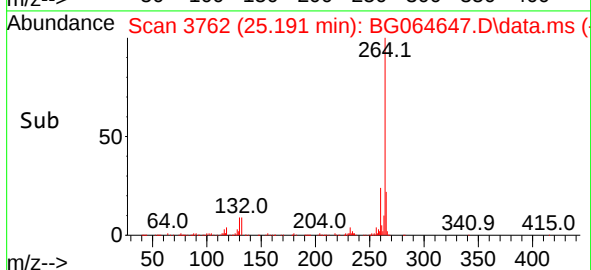
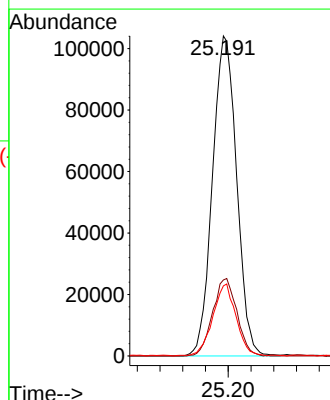
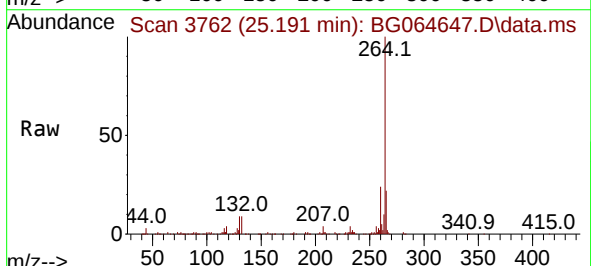
Tgt Ion:264 Resp: 307310

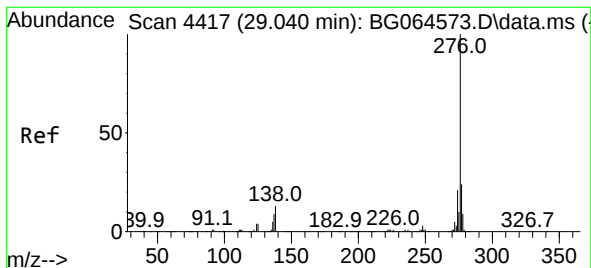
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.014 ng

RT: 29.034 min Scan# 4417

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD

Tgt Ion:276 Resp: 108543

Ion Ratio Lower Upper

276 100

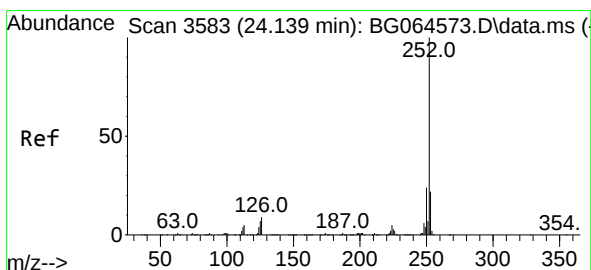
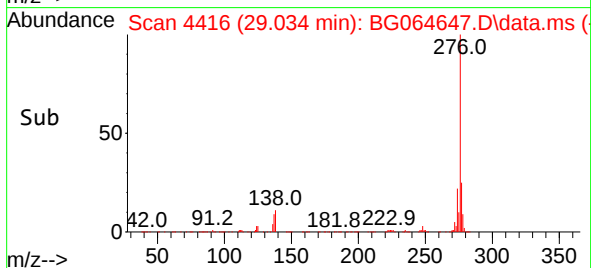
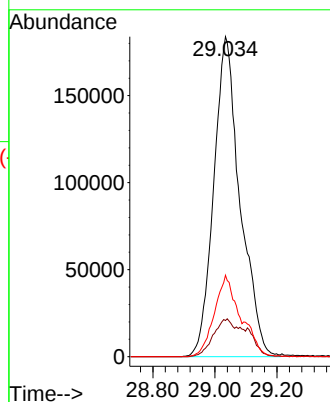
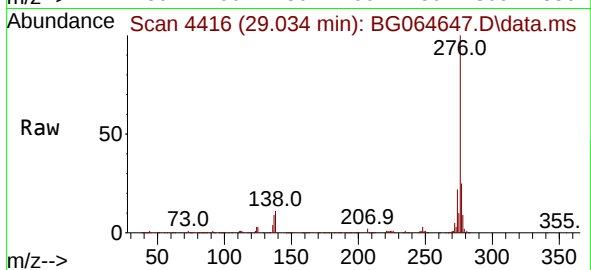
138 12.0 10.8 16.2

277 25.4 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#88

Benzo(b)fluoranthene

Concen: 47.900 ng

RT: 24.134 min Scan# 3582

Delta R.T. -0.006 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

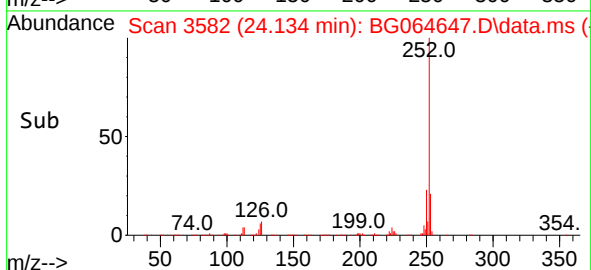
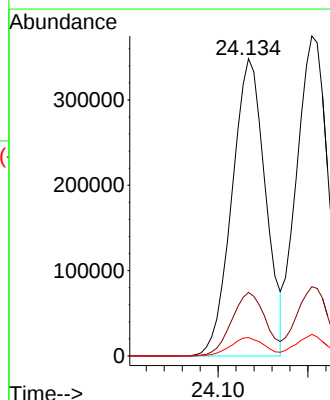
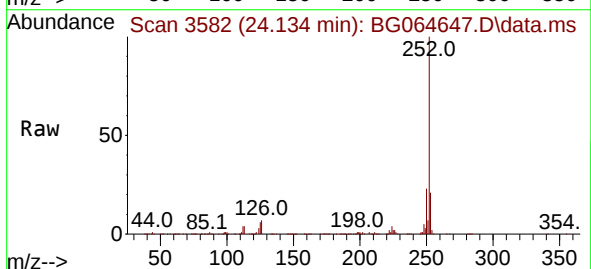
Tgt Ion:252 Resp: 902645

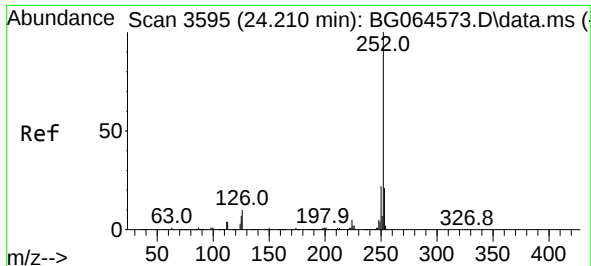
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

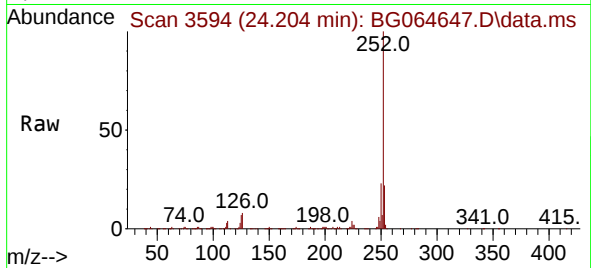
125 6.2 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 48.418 ng
RT: 24.204 min Scan# 3594
Delta R.T. -0.006 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

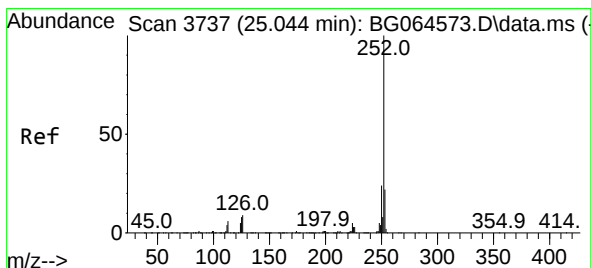
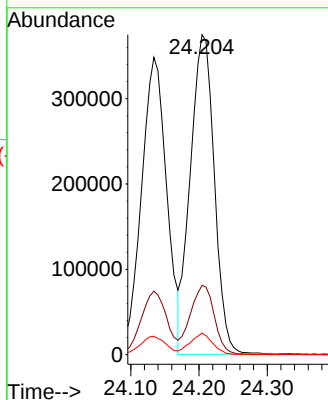
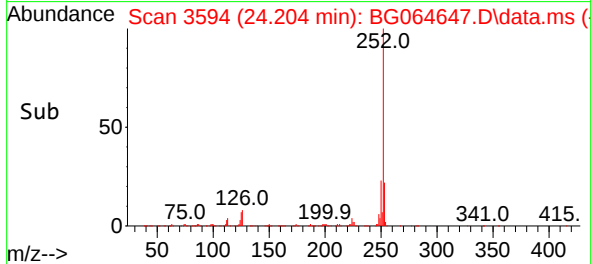
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMSD



Tgt Ion:252 Resp: 913018
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 6.7 5.4 8.0

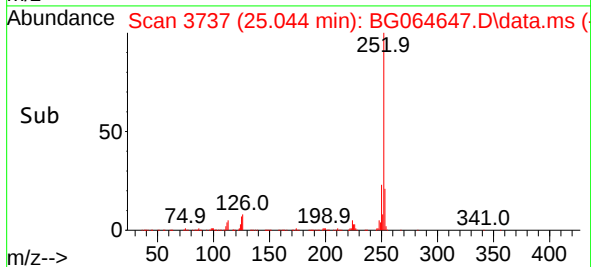
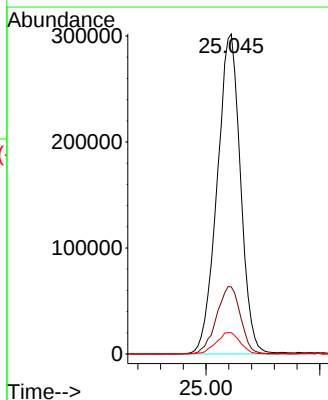
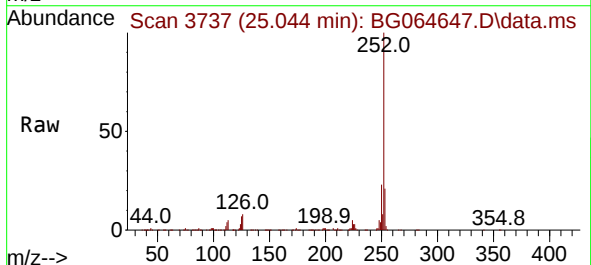
Manual Integrations
APPROVED

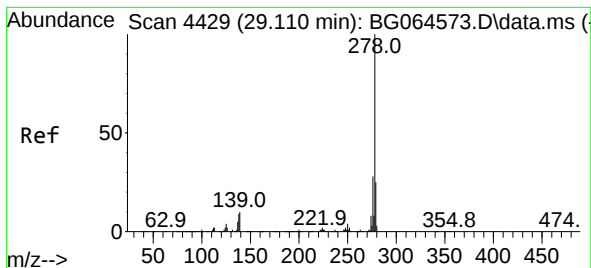
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#90
Benzo(a)pyrene
Concen: 49.706 ng
RT: 25.044 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064647.D
Acq: 30 Oct 2025 19:10

Tgt Ion:252 Resp: 860993
Ion Ratio Lower Upper
252 100
253 20.9 17.6 26.4
125 6.7 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 49.137 ng

RT: 29.104 min Scan# 4429

Delta R.T. -0.006 min

Lab File: BG064647.D

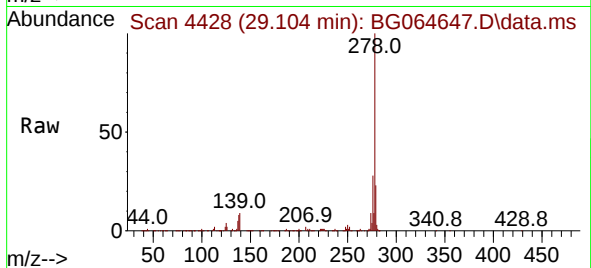
Acq: 30 Oct 2025 19:10

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMSD



Tgt Ion:278 Resp: 902460

Ion Ratio Lower Upper

278 100

139 8.5 8.0 12.0

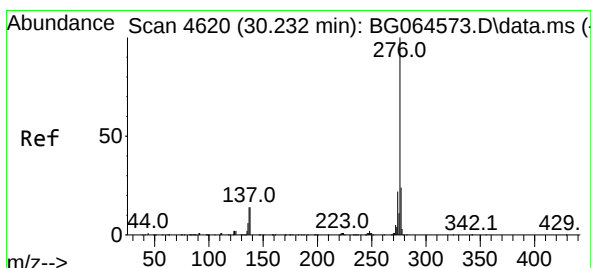
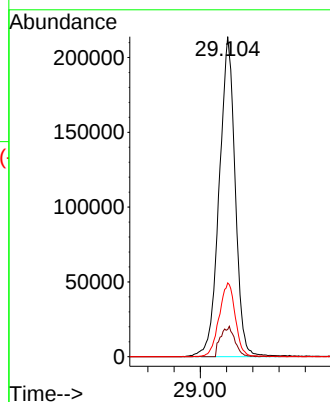
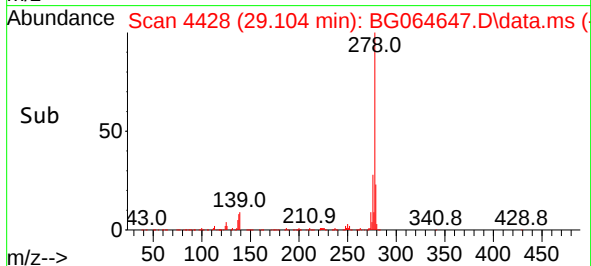
279 23.0 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#92

Benzo(g,h,i)perylene

Concen: 49.274 ng

RT: 30.233 min Scan# 4620

Delta R.T. 0.000 min

Lab File: BG064647.D

Acq: 30 Oct 2025 19:10

Tgt Ion:276 Resp: 864511

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 12.6 11.3 16.9

