

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064646.D
 Acq On : 30 Oct 2025 18:29
 Operator : RC/JU
 Sample : Q3477-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS

Quant Time: Nov 04 04:35:47 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	32584	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	130511	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	108940	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	248997	20.000	ng	0.00
76) Chrysene-d12	21.854	240	264263	20.000	ng	0.00
86) Perylene-d12	25.192	264	297998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	240164	123.715	ng	0.00
7) Phenol-d6	7.354	99	312746	117.405	ng	0.00
23) Nitrobenzene-d5	9.381	82	240660	110.754	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	240011	152.647	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	639783	89.017	ng	0.00
79) Terphenyl-d14	20.168	244	1132034	80.841	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.593	88	29277	34.065	ng	# 53
3) Pyridine	4.011	79	85320	33.058	ng	98
4) n-Nitrosodimethylamine	3.905	42	64007	46.246	ng	99
6) Aniline	7.530	93	73283	20.217	ng	99
8) 2-Chlorophenol	7.777	128	98047	48.254	ng	98
9) Benzaldehyde	7.336	77	42665	29.338	ng	99
10) Phenol	7.383	94	119900	40.700	ng	94
11) bis(2-Chloroethyl)ether	7.624	93	89288	41.224	ng	96
12) 1,3-Dichlorobenzene	8.106	146	94650	40.472	ng	97
13) 1,4-Dichlorobenzene	8.253	146	102114	42.942	ng	98
14) 1,2-Dichlorobenzene	8.576	146	100764	43.932	ng	99
15) Benzyl Alcohol	8.447	79	106070	48.287	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.746	45	249544	43.923	ng	99
17) 2-Methylphenol	8.646	107	93161	47.630	ng	95
18) Hexachloroethane	9.322	117	36949	44.277	ng	94
19) n-Nitroso-di-n-propyla...	9.022	70	87225	47.380	ng	98
20) 3+4-Methylphenols	8.975	107	127218	46.250	ng	97
22) Acetophenone	9.040	105	181763	50.948	ng	# 98
24) Nitrobenzene	9.422	77	126959	53.719	ng	97
25) Isophorone	9.951	82	248284	47.619	ng	99
26) 2-Nitrophenol	10.145	139	53244	57.712	ng	# 82
27) 2,4-Dimethylphenol	10.192	122	106991	55.165	ng	99
28) bis(2-Chloroethoxy)met...	10.433	93	138125	46.527	ng	98
29) 2,4-Dichlorophenol	10.679	162	111477	53.409	ng	97
30) 1,2,4-Trichlorobenzene	10.903	180	118347	49.903	ng	97
31) Naphthalene	11.096	128	326927	45.181	ng	99
32) Benzoic acid	10.321	122	69629	47.186	ng	94
33) 4-Chloroaniline	11.190	127	9676	3.440	ng	# 95
34) Hexachlorobutadiene	11.384	225	89549	48.283	ng	98
35) Caprolactam	11.954	113	31422m	39.251	ng	
36) 4-Chloro-3-methylphenol	12.295	107	131118	52.261	ng	99
37) 2-Methylnaphthalene	12.689	142	229393	43.179	ng	99
38) 1-Methylnaphthalene	12.906	142	244348	46.461	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	191820	52.466	ng	99
41) Hexachlorocyclopentadiene	13.035	237	211669	128.624	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	115481	55.219	ng	97

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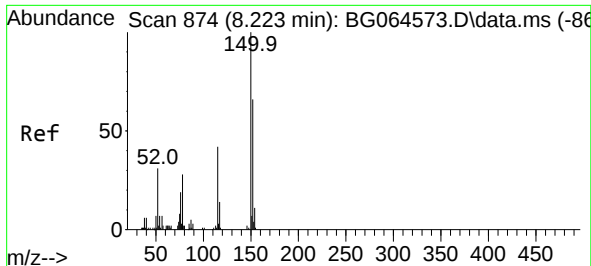
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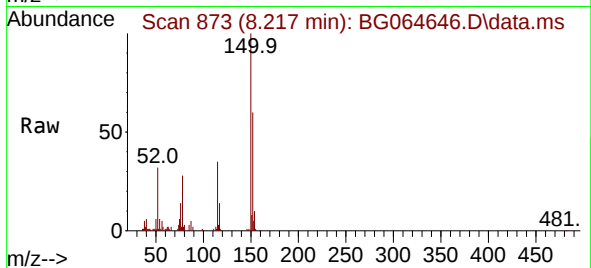
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	130147	53.927	ng	99
46) 1,1'-Biphenyl	13.682	154	400345	51.691	ng	98
47) 2-Chloronaphthalene	13.723	162	269200	46.048	ng	99
48) 2-Nitroaniline	13.911	65	107618	54.376	ng	92
49) Acenaphthylene	14.569	152	489591	53.094	ng	98
50) Dimethylphthalate	14.287	163	396950	47.618	ng	99
51) 2,6-Dinitrotoluene	14.398	165	81190	58.294	ng	96
52) Acenaphthene	14.904	154	322736	51.228	ng	99
53) 3-Nitroaniline	14.722	138	30756	21.469	ng	# 96
54) 2,4-Dinitrophenol	14.927	184	81869	95.815	ng	# 48
55) Dibenzofuran	15.239	168	481395	47.264	ng	97
56) 4-Nitrophenol	15.021	139	111726	84.117	ng	89
57) 2,4-Dinitrotoluene	15.180	165	118169	55.084	ng	98
58) Fluorene	15.885	166	379549	47.716	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.456	232	134464	58.265	ng	99
60) Diethylphthalate	15.644	149	400197	47.018	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	220420	49.378	ng	99
62) 4-Nitroaniline	15.885	138	76737	48.148	ng	93
63) Azobenzene	16.161	77	366196	46.890	ng	97
65) 4,6-Dinitro-2-methylph...	15.944	198	65996	58.851	ng	95
66) n-Nitrosodiphenylamine	16.079	169	349910	52.023	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	157545	53.392	ng	97
68) Hexachlorobenzene	16.884	284	178544	53.039	ng	97
69) Atrazine	17.019	200	144774	50.017	ng	97
70) Pentachlorophenol	17.225	266	219490	104.561	ng	94
71) Phenanthrene	17.618	178	657800	48.308	ng	100
72) Anthracene	17.712	178	660717	47.701	ng	99
73) Carbazole	17.971	167	530005	43.392	ng	99
74) Di-n-butylphthalate	18.529	149	614310	43.493	ng	99
75) Fluoranthene	19.616	202	730479	42.823	ng	98
77) Benzidine	19.780	184	48291	8.156	ng	99
78) Pyrene	19.974	202	750780	43.484	ng	100
80) Butylbenzylphthalate	20.850	149	267322	51.228	ng	99
81) Benzo(a)anthracene	21.831	228	847438	48.364	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	121909	20.835	ng	99
83) Chrysene	21.901	228	786401	47.167	ng	97
84) Bis(2-ethylhexyl)phtha...	21.737	149	400062	51.307	ng	98
85) Di-n-octyl phthalate	23.000	149	704200	53.567	ng	98
87) Indeno(1,2,3-cd)pyrene	29.028	276	1077046	49.131	ng	# 97
88) Benzo(b)fluoranthene	24.134	252	887237	48.554	ng	98
89) Benzo(k)fluoranthene	24.205	252	884867	48.391	ng	98
90) Benzo(a)pyrene	25.039	252	851411	50.688	ng	98
91) Dibenzo(a,h)anthracene	29.105	278	889850	49.964	ng	97
92) Benzo(g,h,i)perylene	30.233	276	846851	49.776	ng	99

(#) = 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: BG064646.D
Acq: 30 Oct 2025 18:29

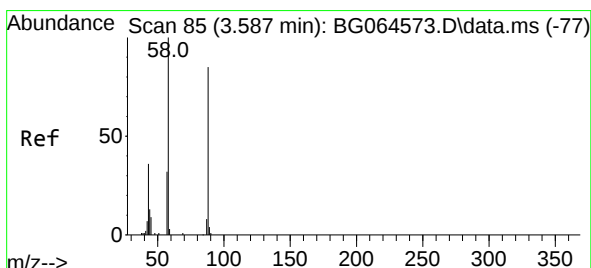
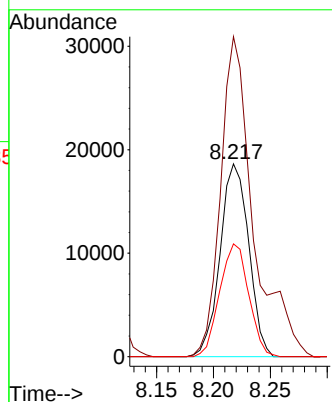
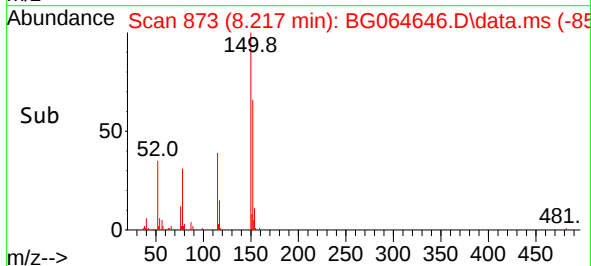
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:152 Resp: 32584
Ion Ratio Lower Upper
152 100
150 165.9 122.2 183.4
115 58.5 50.8 76.2

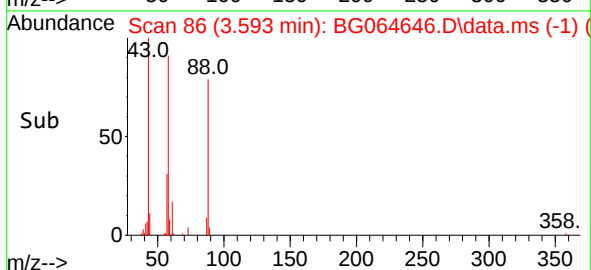
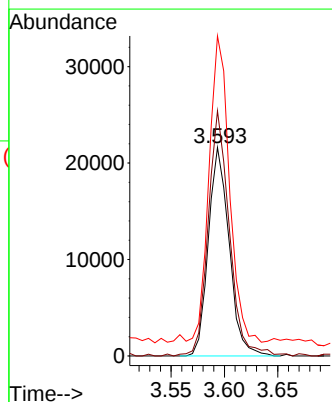
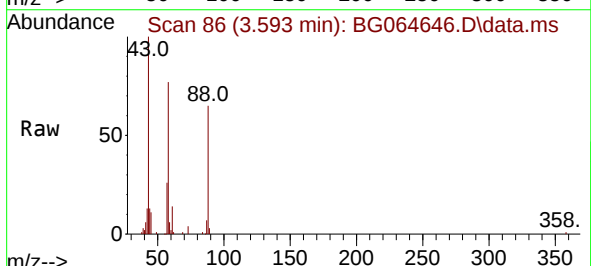
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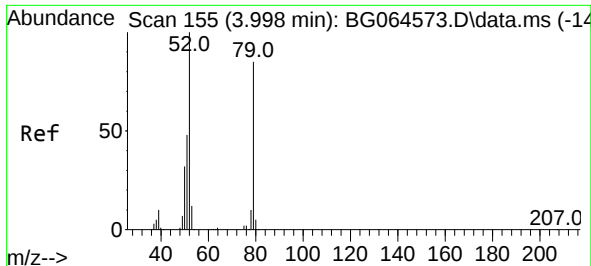
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#2
1,4-Dioxane
Concen: 34.065 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.006 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

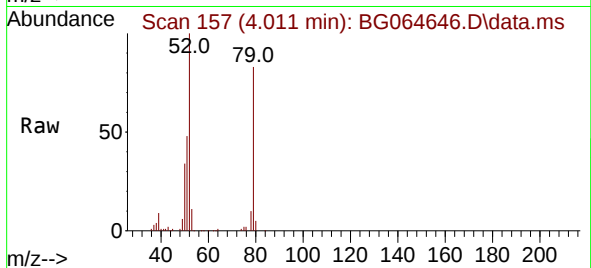
Tgt Ion: 88 Resp: 29277
Ion Ratio Lower Upper
88 100
58 120.6 92.4 138.6
43 144.8 33.0 49.6#





#3
Pyridine
Concen: 33.058 ng
RT: 4.011 min Scan# 155
Delta R.T. 0.012 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

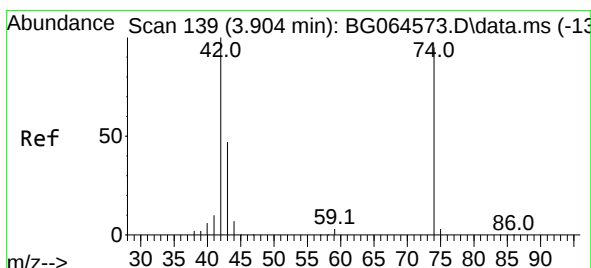
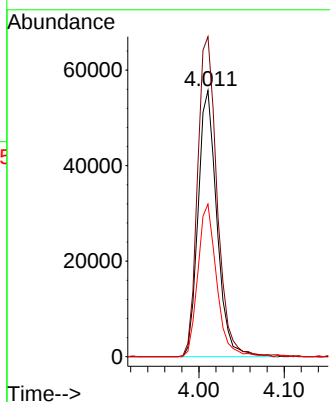
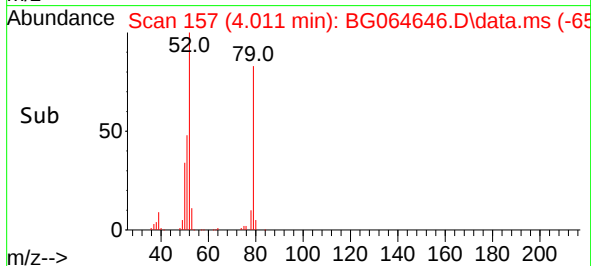
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



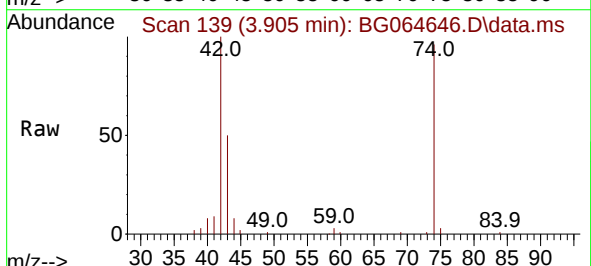
Tgt Ion: 79 Resp: 85320
Ion Ratio Lower Upper
79 100
52 120.2 94.2 141.2
51 57.3 46.1 69.1

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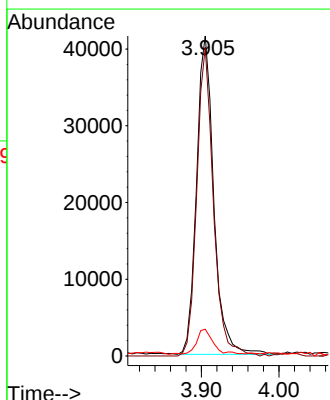
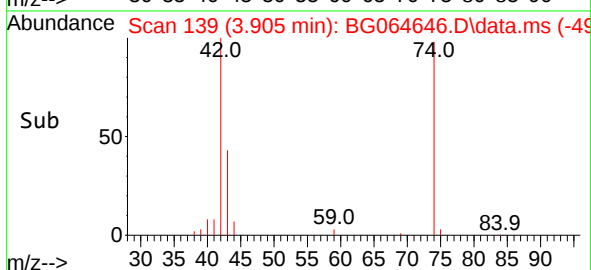
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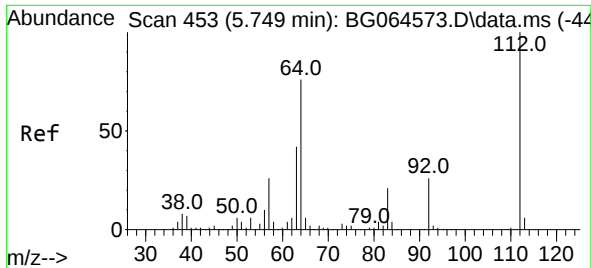


#4
n-Nitrosodimethylamine
Concen: 46.246 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



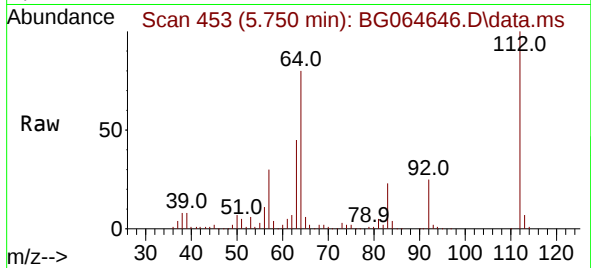
Tgt Ion: 42 Resp: 64007
Ion Ratio Lower Upper
42 100
74 96.5 76.1 114.1
44 8.4 6.3 9.5





#5
2-Fluorophenol
Concen: 123.715 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

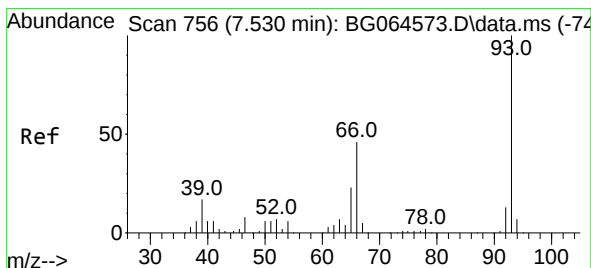
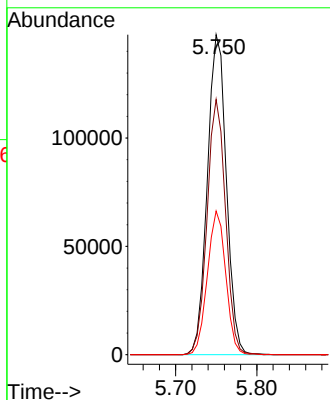
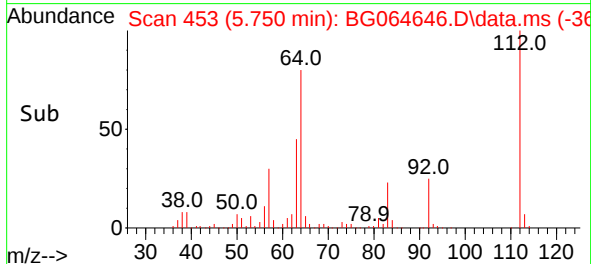
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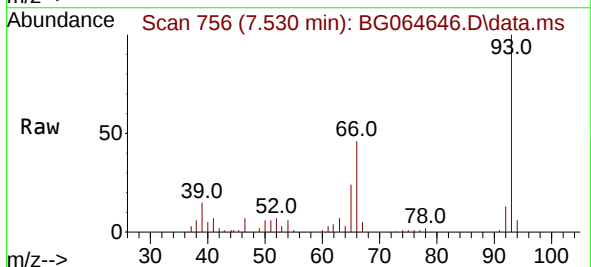
Tgt Ion: 112 Resp: 240164
Ion Ratio Lower Upper
112 100
64 79.8 60.7 91.1
63 44.9 33.4 50.0

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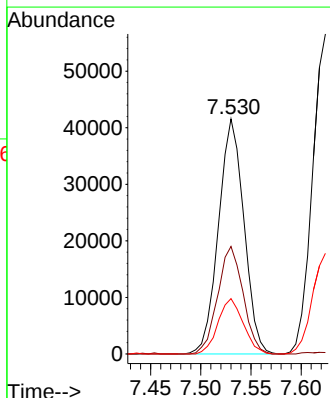
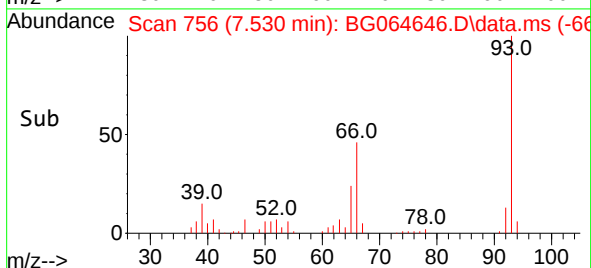
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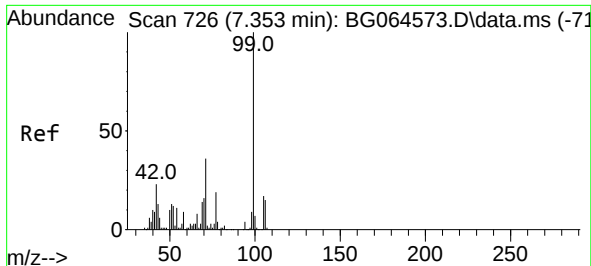


#6
Aniline
Concen: 20.217 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



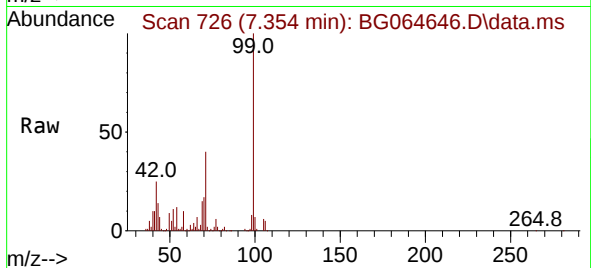
Tgt Ion: 93 Resp: 73283
Ion Ratio Lower Upper
93 100
66 45.8 37.0 55.6
65 23.6 18.3 27.5





#7
Phenol-d6
Concen: 117.405 ng
RT: 7.354 min Scan# 712
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

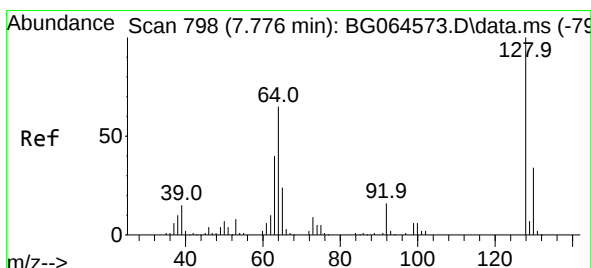
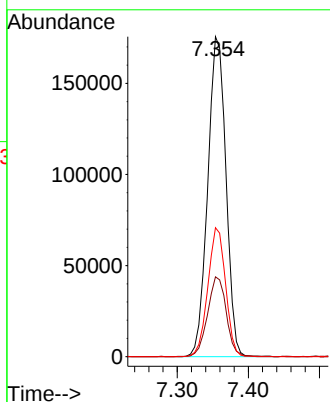
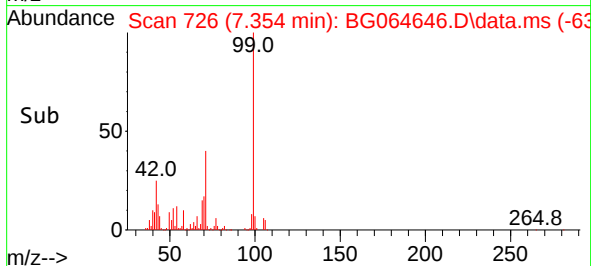
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion: 99 Resp: 312740
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 40.3 28.6 43.0

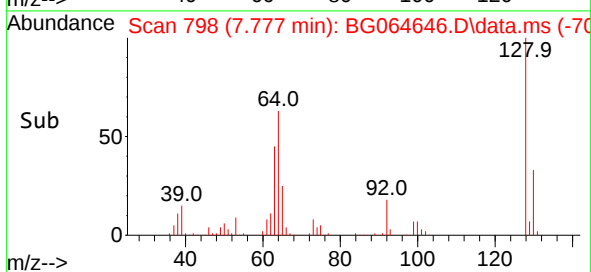
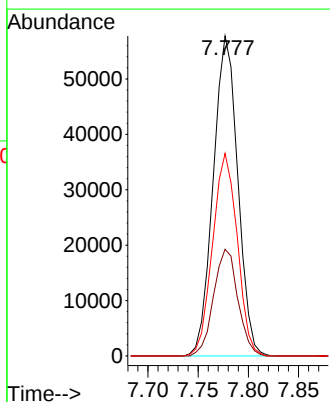
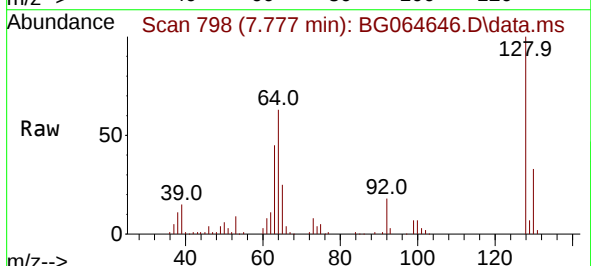
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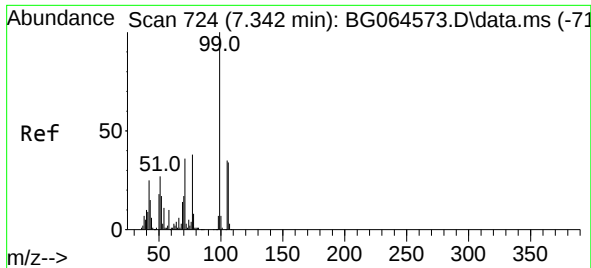
Reviewed By :Jagrut Upadhyay 11/04/2025
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#8
2-Chlorophenol
Concen: 48.254 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

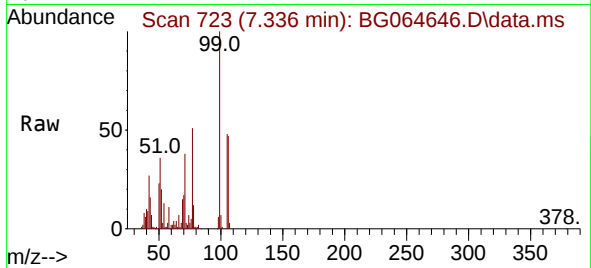
Tgt Ion:128 Resp: 98047
Ion Ratio Lower Upper
128 100
130 33.4 13.5 53.5
64 63.3 45.2 85.2





#9
Benzaldehyde
Concen: 29.338 ng
RT: 7.336 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

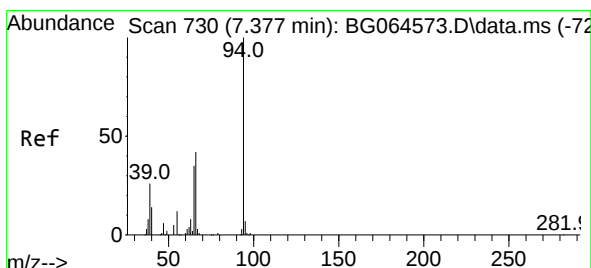
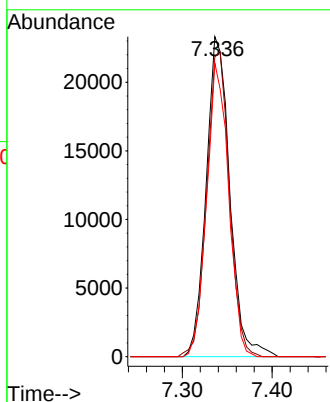
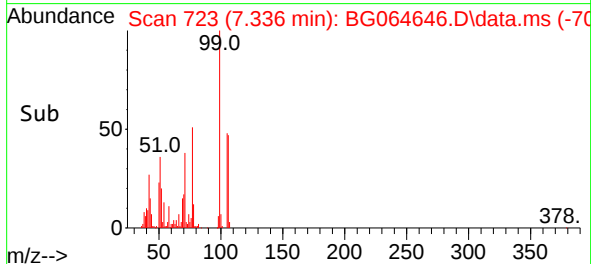
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



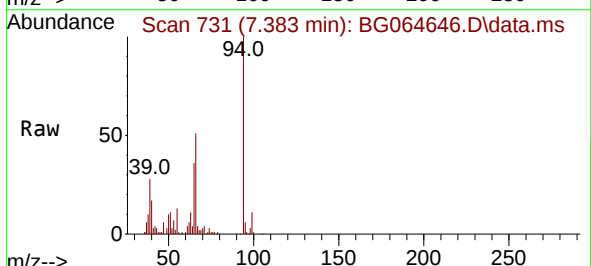
Tgt Ion: 77 Resp: 4266
Ion Ratio Lower Upper
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106 91.7 70.8 110.8

Manual Integrations
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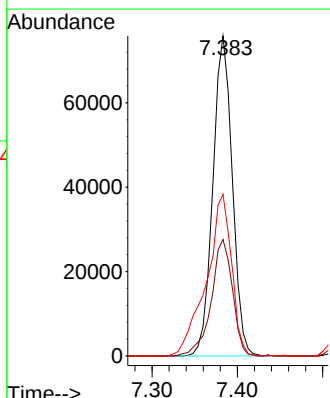
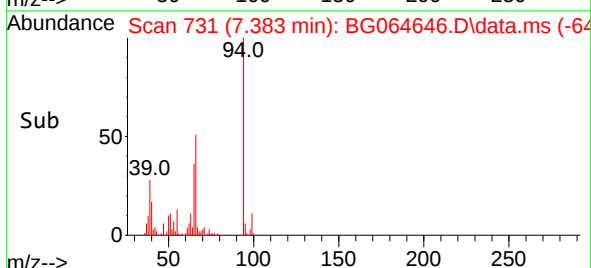
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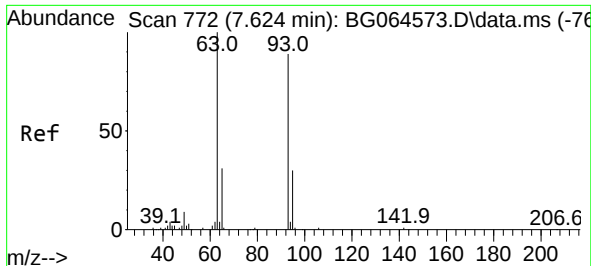


#10
Phenol
Concen: 40.700 ng
RT: 7.383 min Scan# 731
Delta R.T. 0.006 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



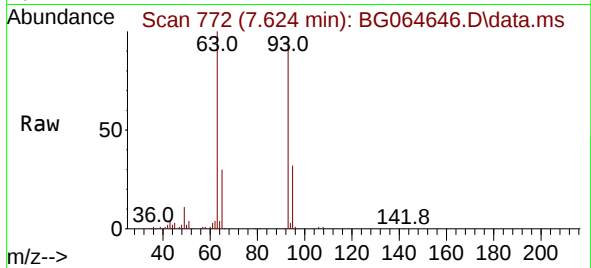
Tgt Ion: 94 Resp: 119900
Ion Ratio Lower Upper
94 100
65 36.4 15.8 55.8
66 50.5 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 41.224 ng
RT: 7.624 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

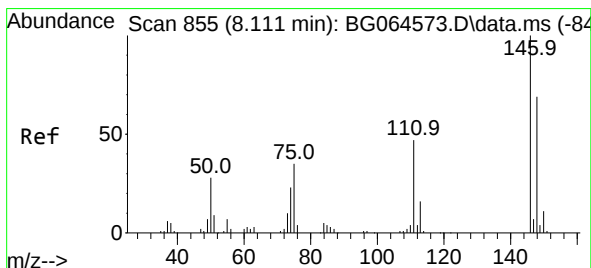
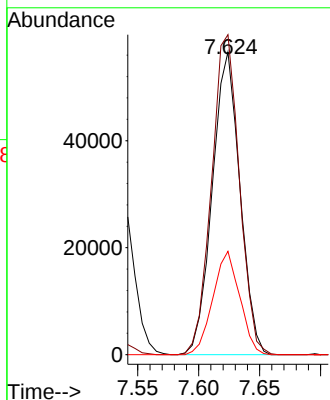
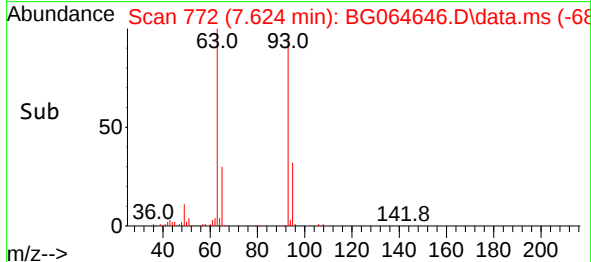
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion: 93 Resp: 8928
Ion Ratio Lower Upper
93 100
63 105.7 91.3 131.3
95 34.1 13.3 53.3

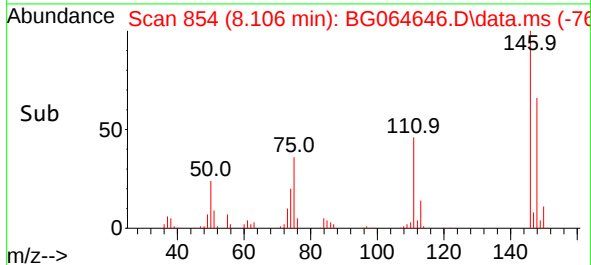
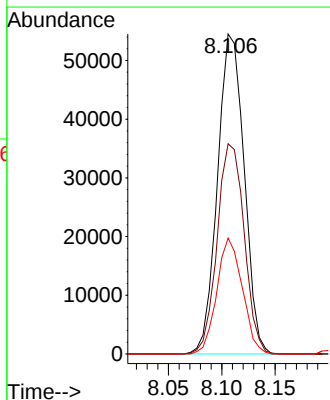
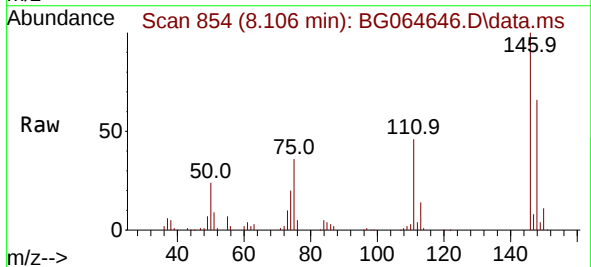
Manual Integrations
APPROVED

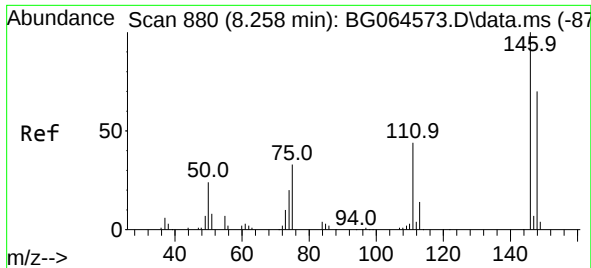
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 40.472 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

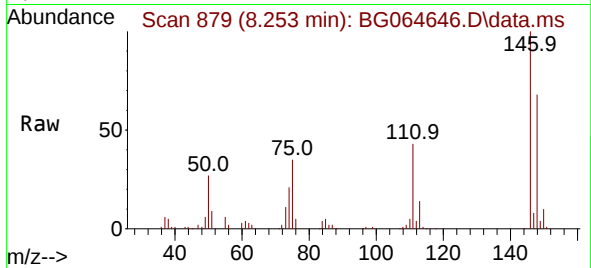
Tgt Ion:146 Resp: 94650
Ion Ratio Lower Upper
146 100
148 65.7 55.3 82.9
75 36.2 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 42.942 ng
RT: 8.253 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

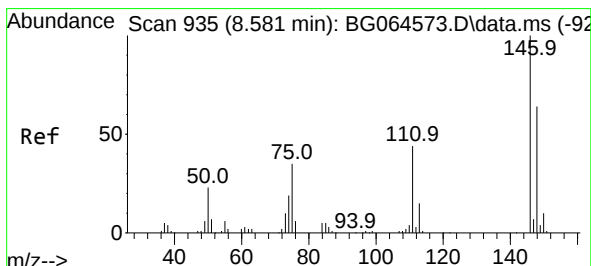
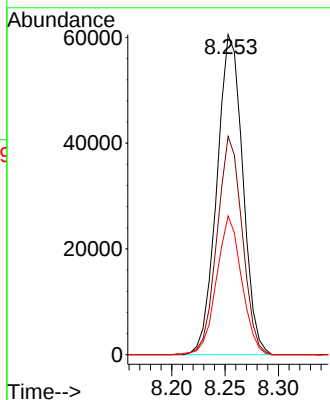
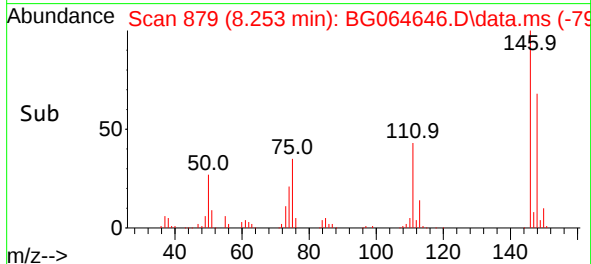
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



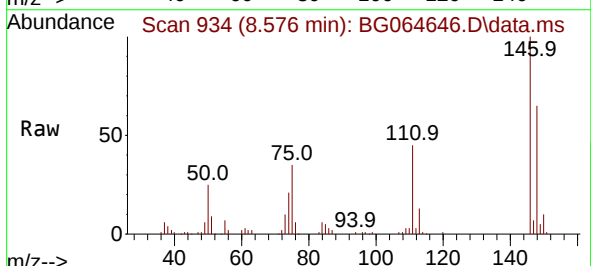
Tgt Ion:146 Resp: 102114
Ion Ratio Lower Upper
146 100
148 68.2 56.2 84.4
111 43.3 35.4 53.0

Manual Integrations
APPROVED

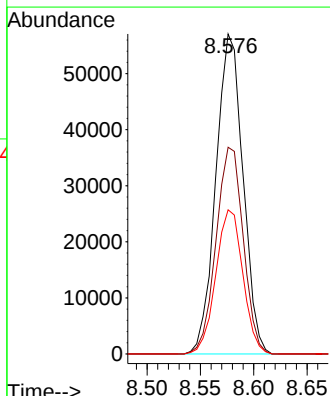
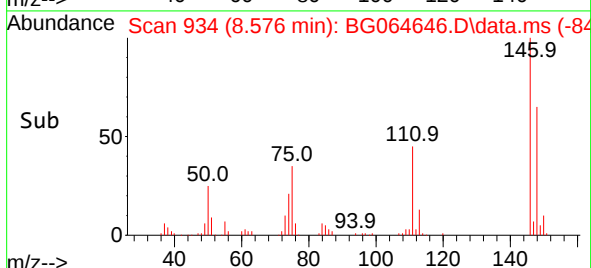
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

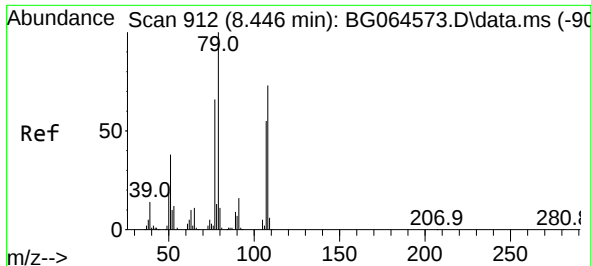


#14
1,2-Dichlorobenzene
Concen: 43.932 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



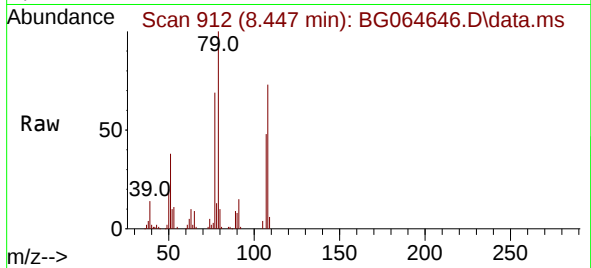
Tgt Ion:146 Resp: 100764
Ion Ratio Lower Upper
146 100
148 64.6 51.5 77.3
111 45.1 35.0 52.6





#15
Benzyl Alcohol
Concen: 48.287 ng
RT: 8.447 min Scan# 912
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

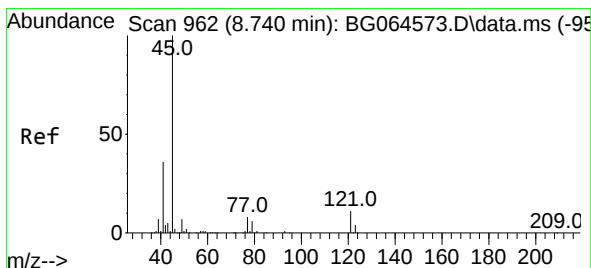
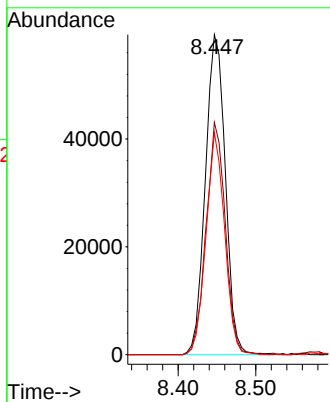
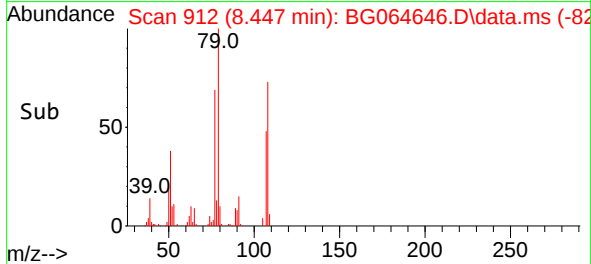
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



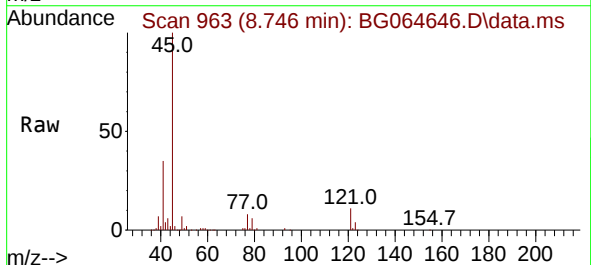
Tgt Ion: 79 Resp: 106070
Ion Ratio Lower Upper
79 100
108 72.6 58.1 87.1
77 69.3 52.8 79.2

Manual Integrations
APPROVED

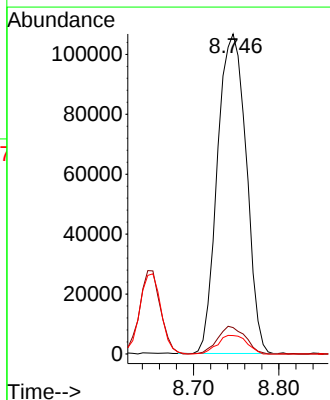
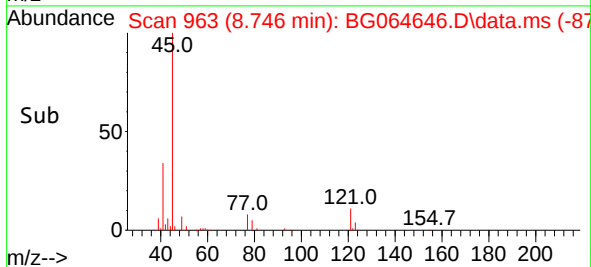
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.923 ng
RT: 8.746 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



Tgt Ion: 45 Resp: 249544
Ion Ratio Lower Upper
45 100
77 8.3 0.0 28.5
79 5.7 0.0 25.6





#17

2-Methylphenol

Concen: 47.630 ng

RT: 8.646 min Scan# 947

Delta R.T. -0.005 min

Lab File: BG064646.D

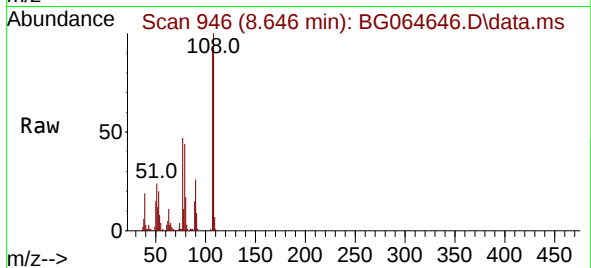
Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion:107 Resp: 9316

Ion Ratio Lower Upper

107 100

108 107.3 90.0 135.0

77 50.6 37.8 56.8

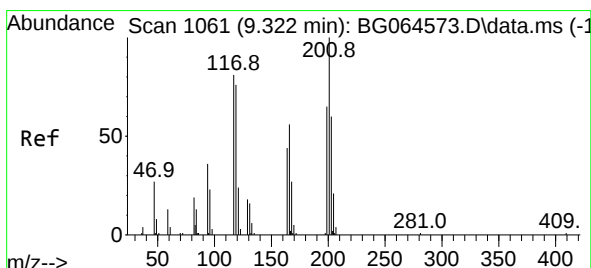
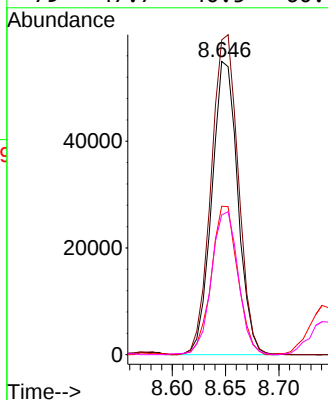
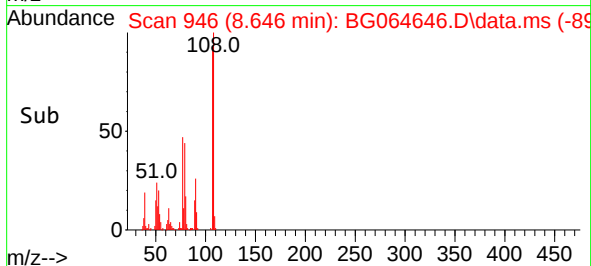
79 47.7 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025



#18

Hexachloroethane

Concen: 44.277 ng

RT: 9.322 min Scan# 1061

Delta R.T. 0.001 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

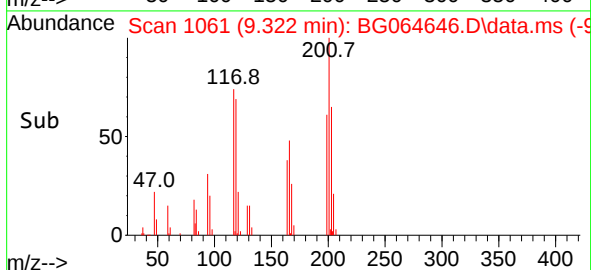
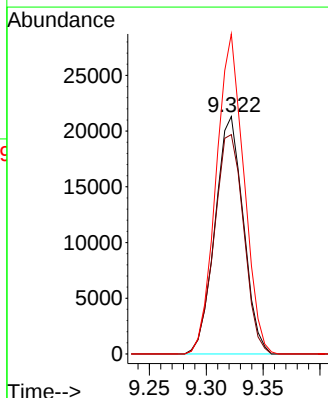
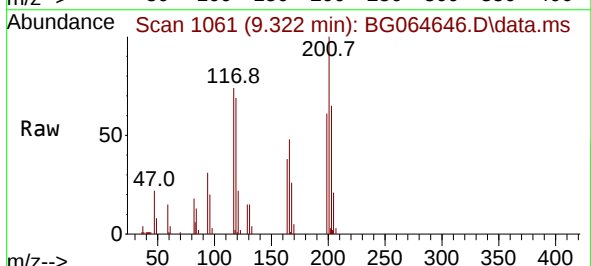
Tgt Ion:117 Resp: 36949

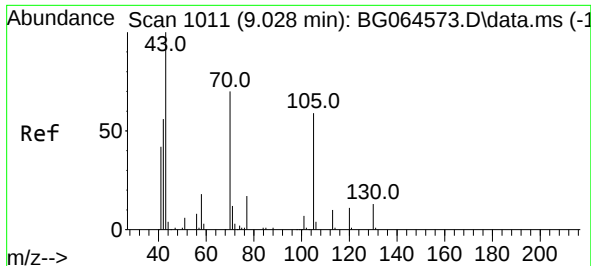
Ion Ratio Lower Upper

117 100

119 92.4 75.4 113.2

201 134.8 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 47.380 ng

RT: 9.022 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG064646.D

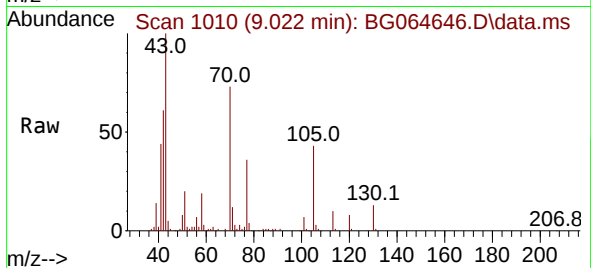
Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion: 70 Resp: 87225

Ion Ratio Lower Upper

70 100

42 83.9 65.2 97.8

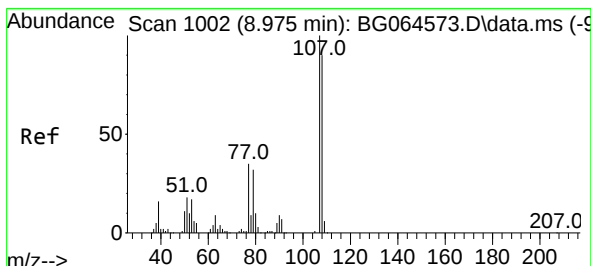
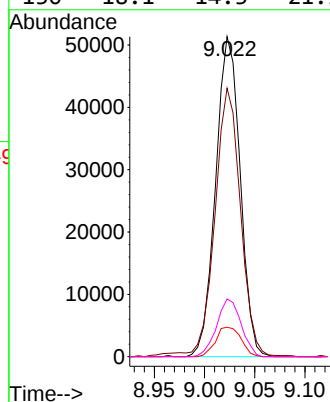
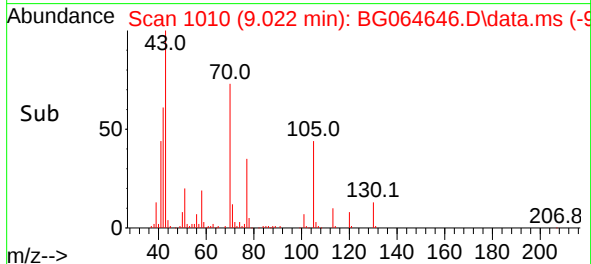
101 9.2 7.9 11.9

130 18.1 14.3 21.5

Manual Integrations

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



#20

3+4-Methylphenols

Concen: 46.250 ng

RT: 8.975 min Scan# 1002

Delta R.T. 0.001 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Tgt Ion:107 Resp: 127218

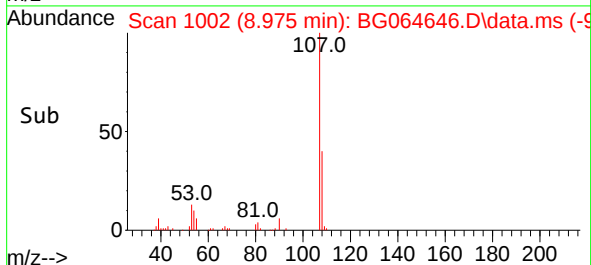
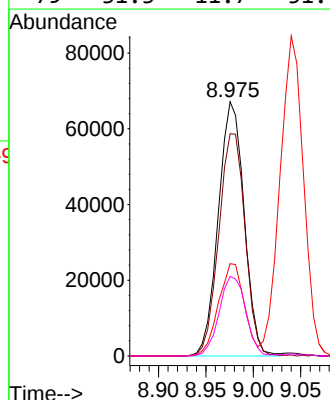
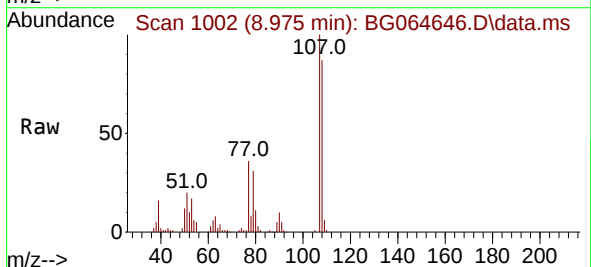
Ion Ratio Lower Upper

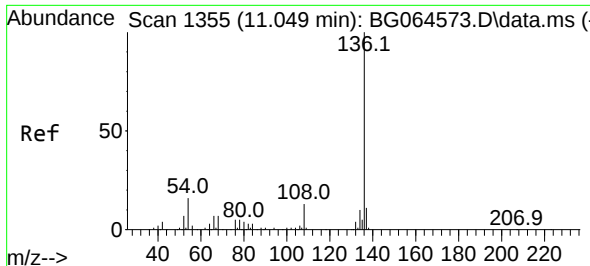
107 100

108 87.5 70.3 110.3

77 36.3 14.6 54.6

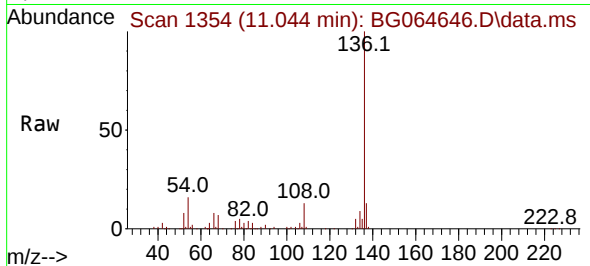
79 31.3 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1355
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

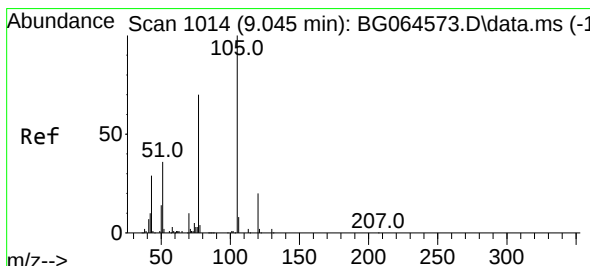
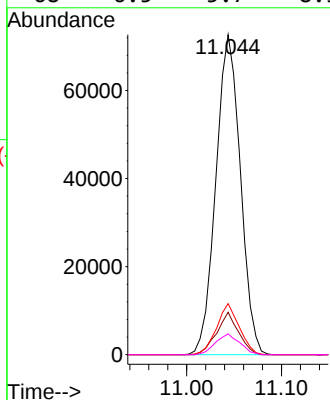
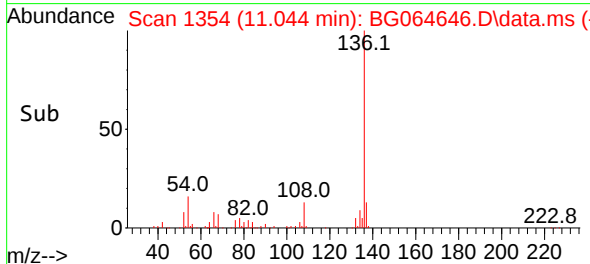
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:136 Resp: 13051
Ion Ratio Lower Upper
136 100
137 13.2 9.2 13.8
54 16.0 12.6 19.0
68 6.5 5.7 8.5

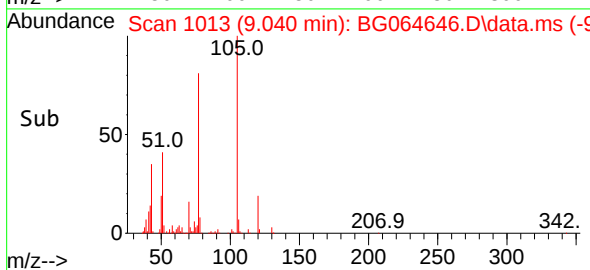
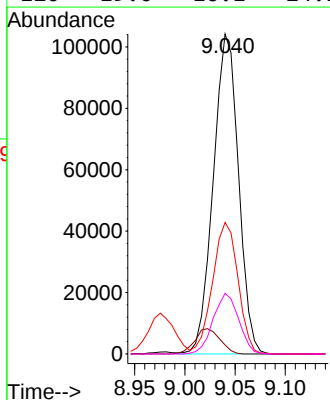
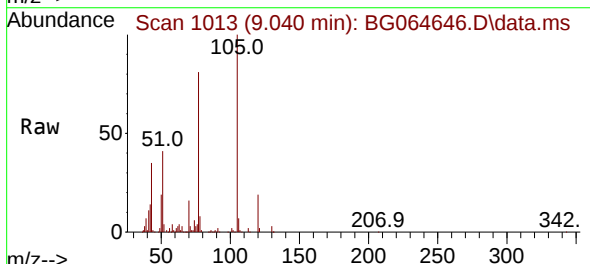
Manual Integrations
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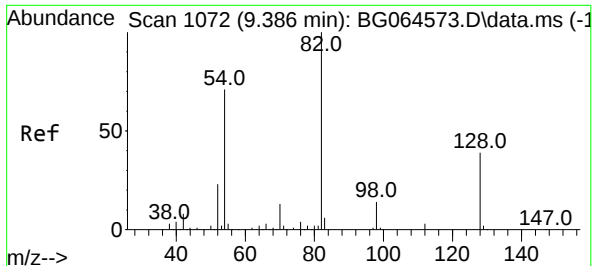
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 50.948 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Tgt Ion:105 Resp: 181763
Ion Ratio Lower Upper
105 100
71 2.8 1.5 2.3#
51 41.1 33.7 50.5
120 19.0 16.1 24.1





#23

Nitrobenzene-d5

Concen: 110.754 ng

RT: 9.381 min Scan# 1071

Delta R.T. -0.005 min

Lab File: BG064646.D

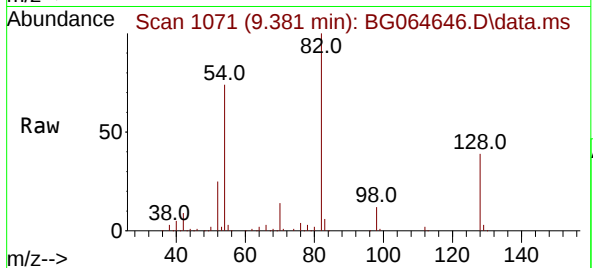
Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

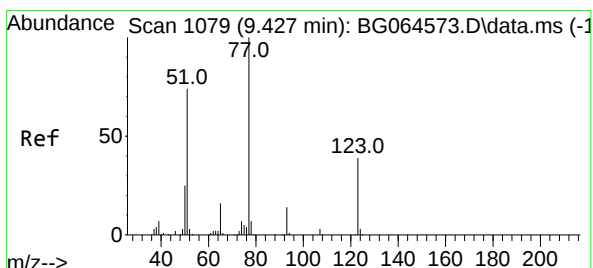
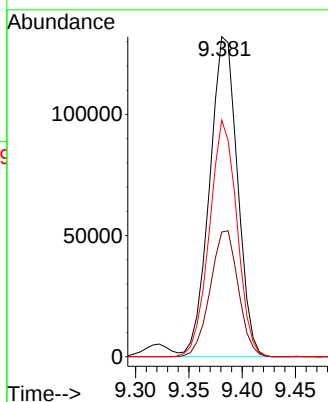
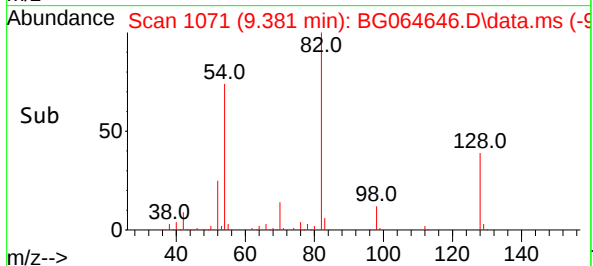


Tgt Ion:	82	Resp:	240660
Ion Ratio	Lower	Upper	
82	100		
128	38.9	31.3	46.9
54	73.9	56.6	84.8

Manual Integrations

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



#24

Nitrobenzene

Concen: 53.719 ng

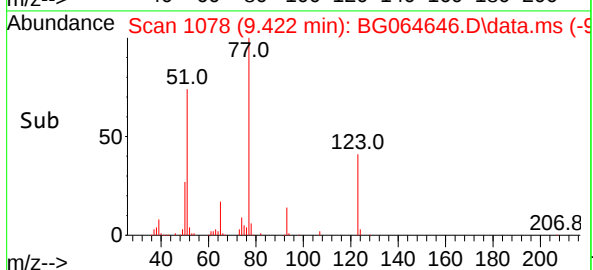
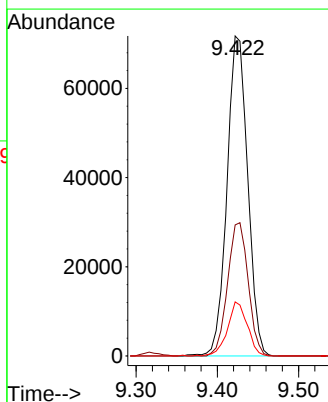
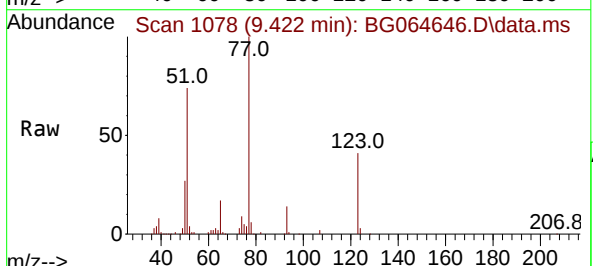
RT: 9.422 min Scan# 1078

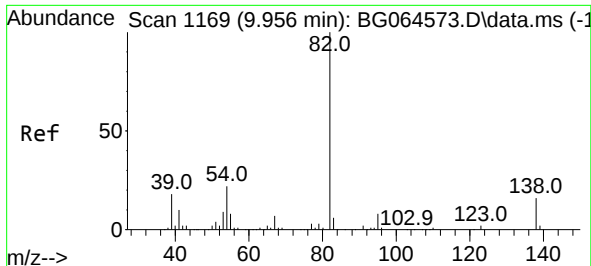
Delta R.T. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Tgt Ion:	77	Resp:	126959
Ion Ratio	Lower	Upper	
77	100		
123	41.0	31.0	46.6
65	16.9	12.7	19.1





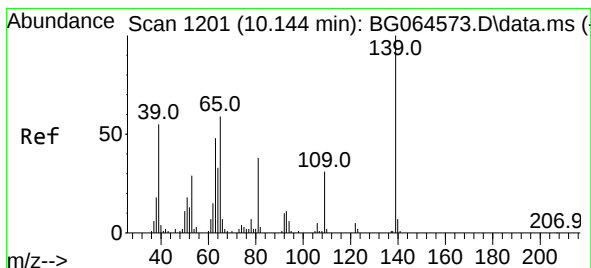
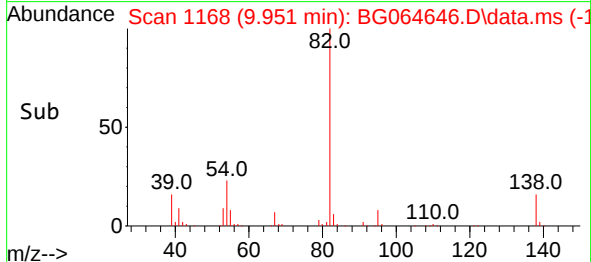
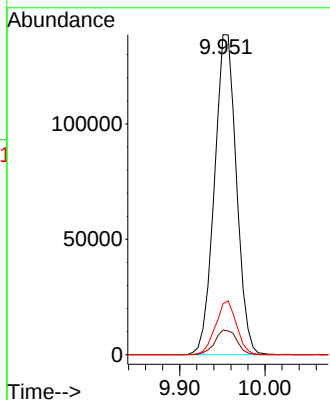
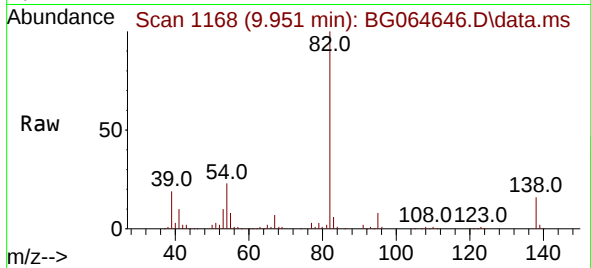
#25
Isophorone
Concen: 47.619 ng
RT: 9.951 min Scan# 1169
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion: 82 Resp: 248284
Ion Ratio Lower Upper
82 100
95 7.7 6.1 9.1
138 15.9 13.0 19.4

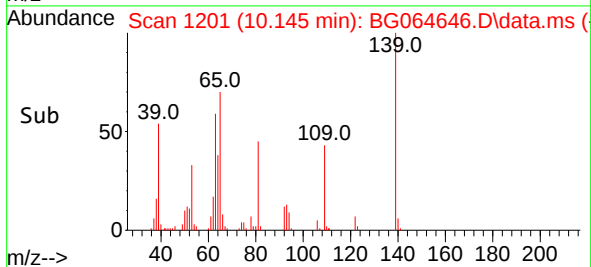
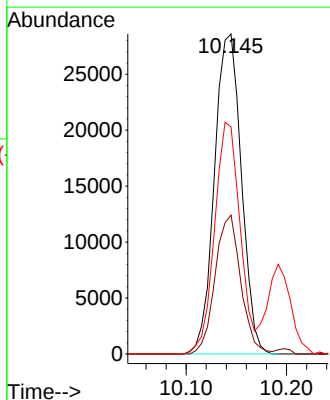
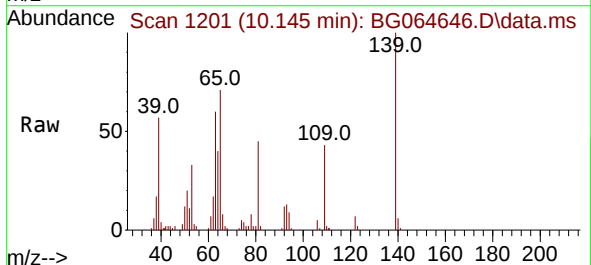
Manual Integrations
APPROVED

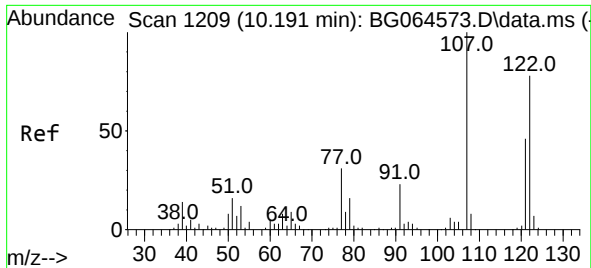
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#26
2-Nitrophenol
Concen: 57.712 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

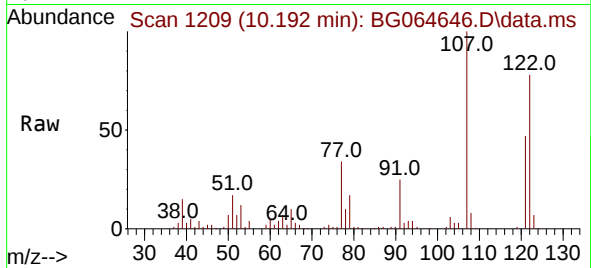
Tgt Ion:139 Resp: 53244
Ion Ratio Lower Upper
139 100
109 43.4 24.6 37.0#
65 71.0 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 55.165 ng
RT: 10.192 min Scan# 1209
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

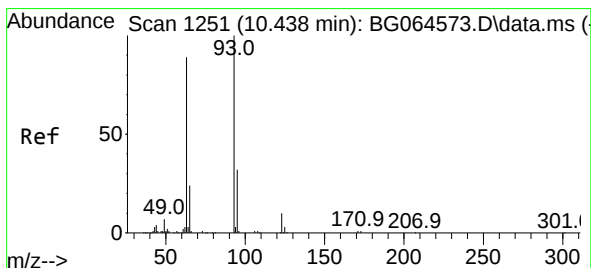
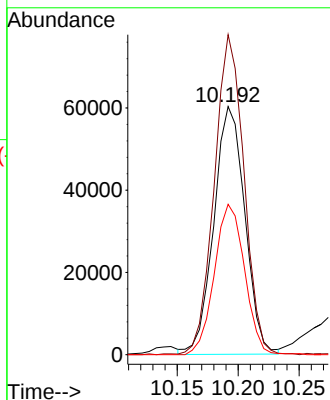
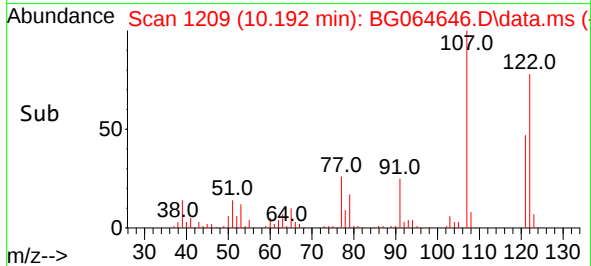
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:122 Resp: 10699
Ion Ratio Lower Upper
122 100
107 129.0 103.0 154.4
121 60.6 47.8 71.8

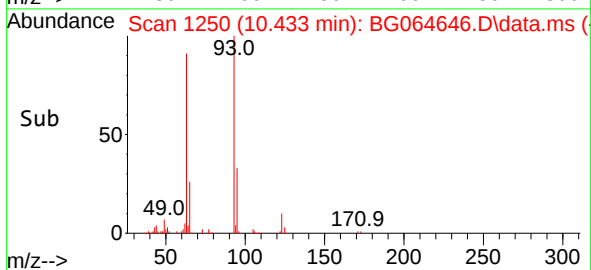
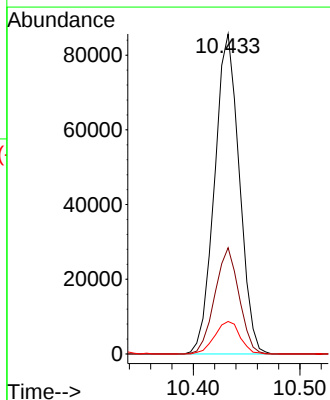
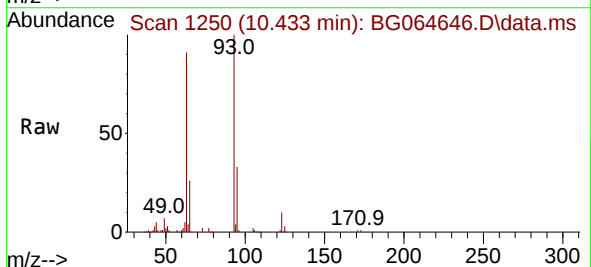
Manual Integrations
APPROVED

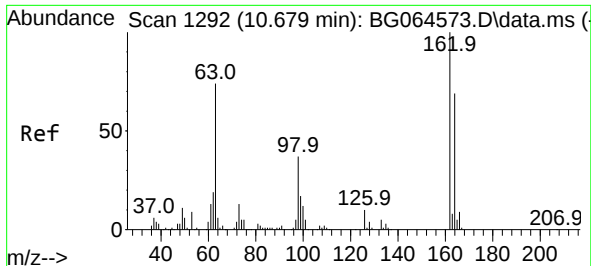
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#28
bis(2-Chloroethoxy)methane
Concen: 46.527 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Tgt Ion: 93 Resp: 138125
Ion Ratio Lower Upper
93 100
95 33.2 25.4 38.2
123 10.2 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.409 ng

RT: 10.679 min Scan# 1292

Delta R.T. 0.001 min

Lab File: BG064646.D

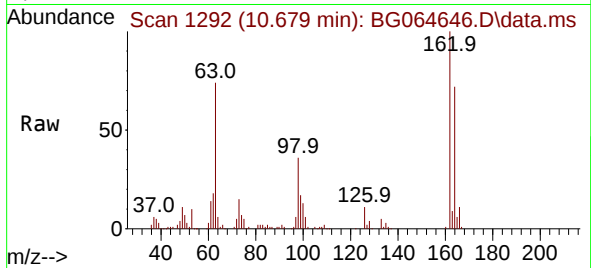
Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

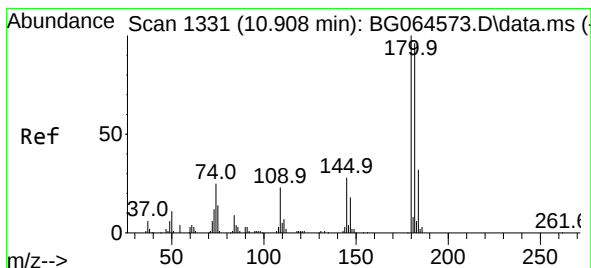
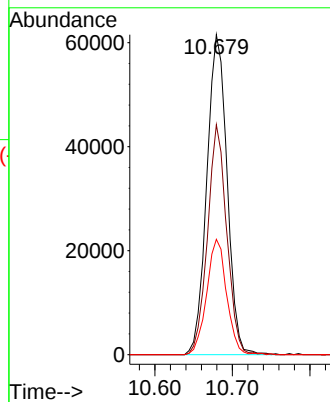
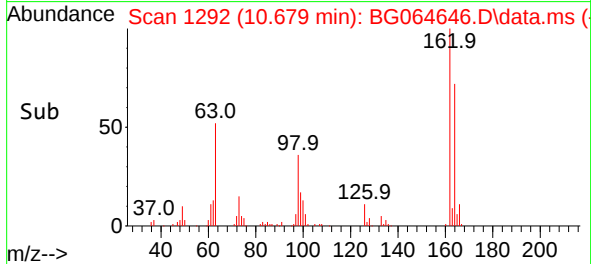


Tgt Ion	Ratio	Lower	Upper
162	100		
164	71.9	48.7	88.7
98	36.1	16.9	56.9

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 49.903 ng

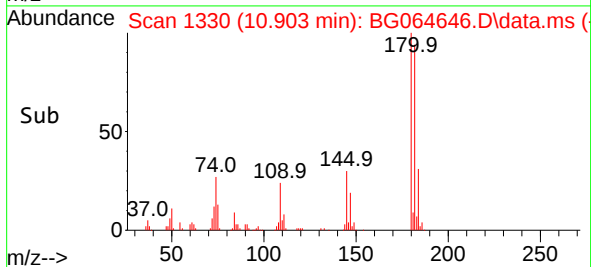
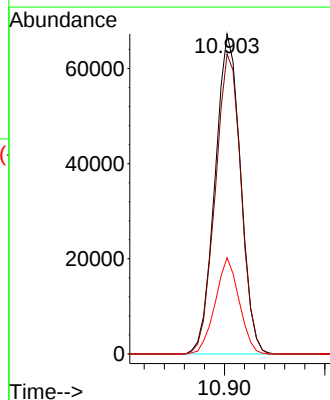
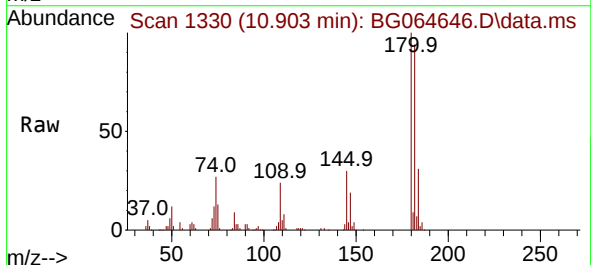
RT: 10.903 min Scan# 1330

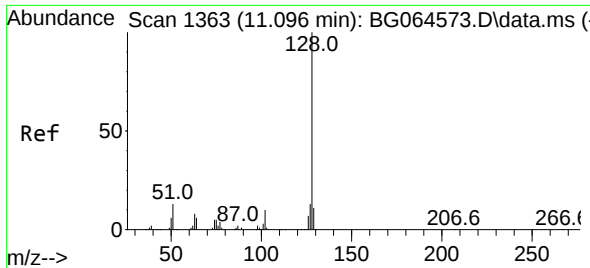
Delta R.T. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

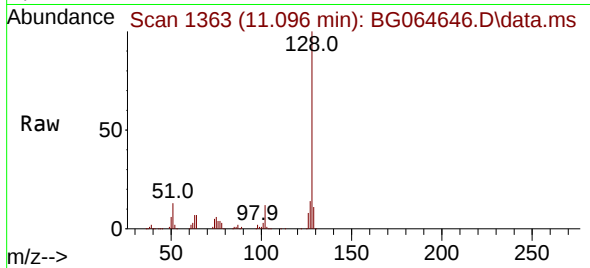
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.9	115.3
145	30.0	22.1	33.1





#31
Naphthalene
Concen: 45.181 ng
RT: 11.096 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

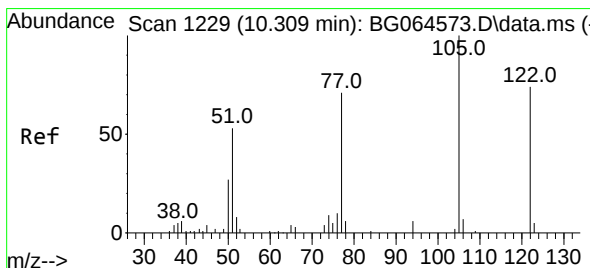
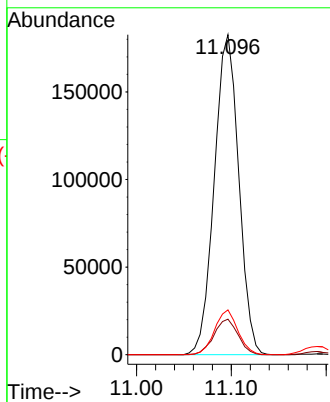
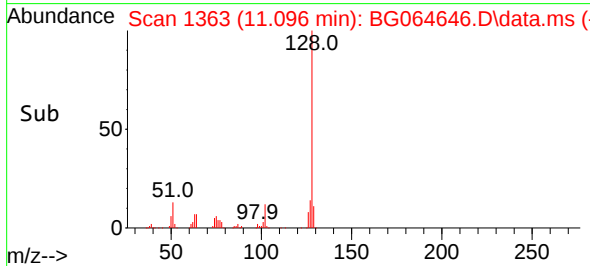
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:128 Resp: 32692
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 14.0 10.6 15.8

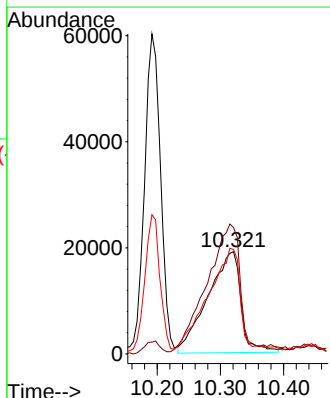
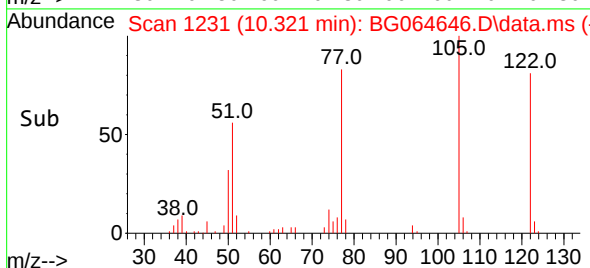
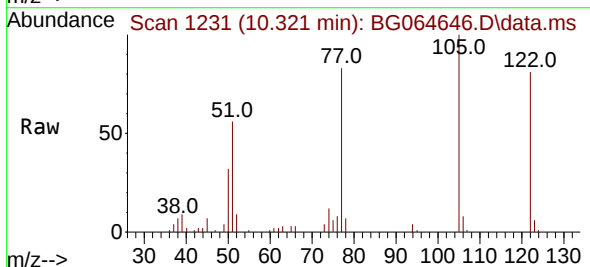
Manual Integrations
APPROVED

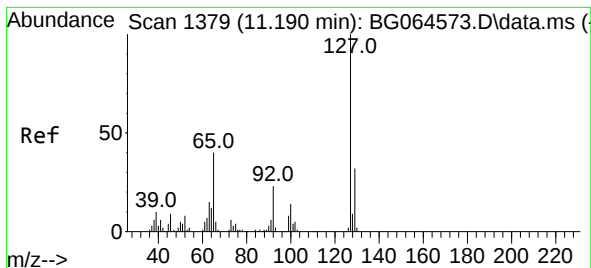
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 47.186 ng
RT: 10.321 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

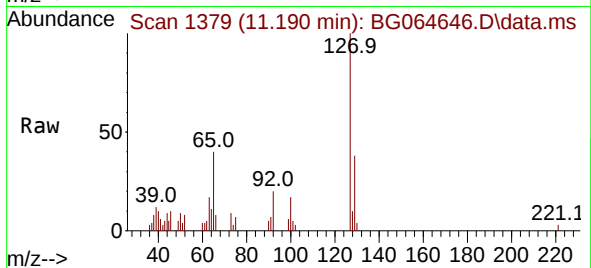
Tgt Ion:122 Resp: 69629
Ion Ratio Lower Upper
122 100
105 123.6 104.2 144.2
77 102.2 70.2 110.2





#33
4-Chloroaniline
Concen: 3.440 ng
RT: 11.190 min Scan# 1111
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

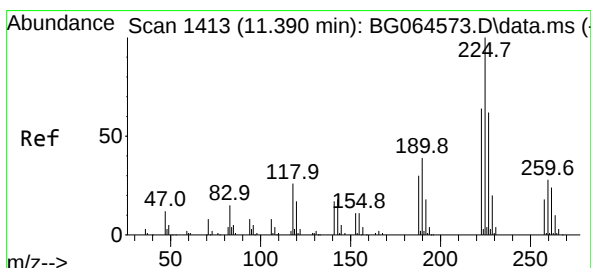
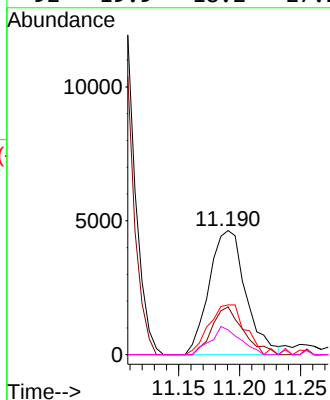
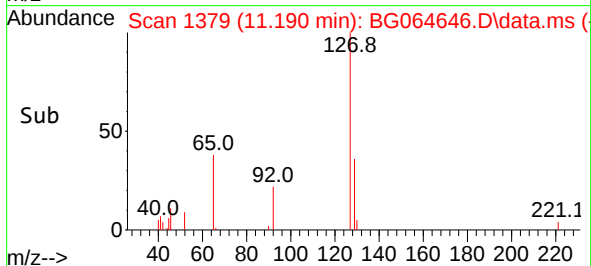
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



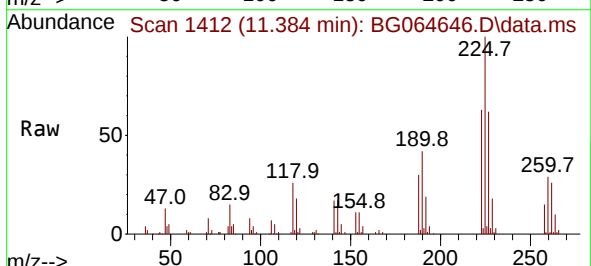
Tgt Ion:	127	Resp:	9670
Ion Ratio	Lower	Upper	
127	100		
129	38.4	25.5	38.3
65	40.1	32.2	48.4
92	19.9	18.2	27.2

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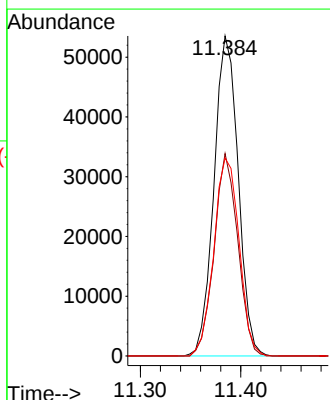
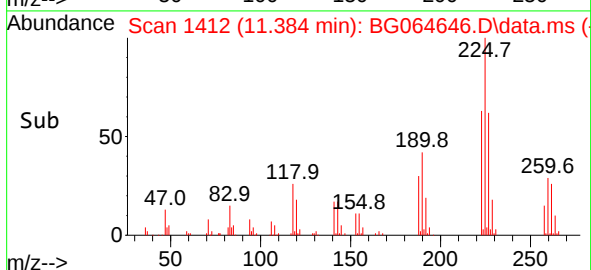
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

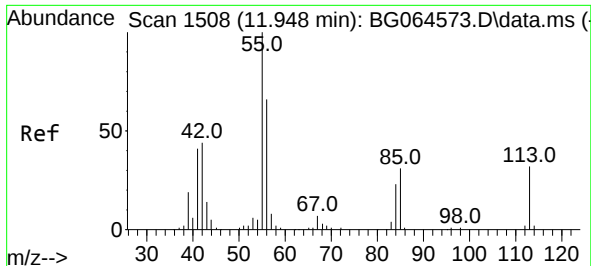


#34
Hexachlorobutadiene
Concen: 48.283 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



Tgt Ion:	225	Resp:	89549
Ion Ratio	Lower	Upper	
225	100		
223	63.7	48.8	73.2
227	62.4	49.5	74.3





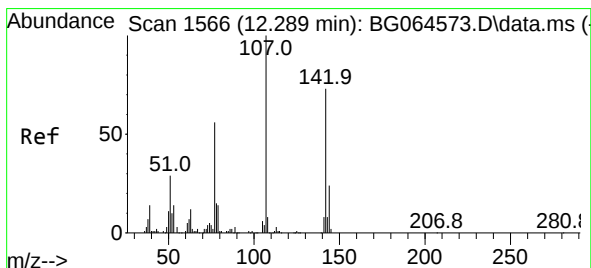
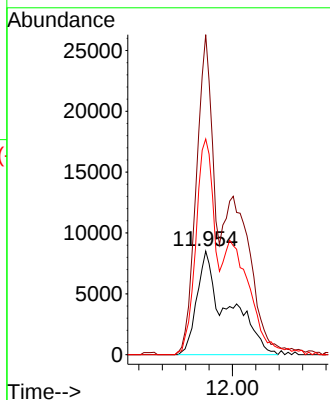
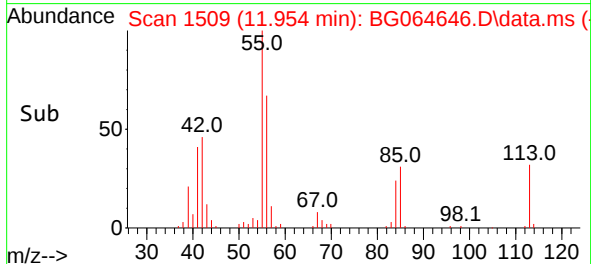
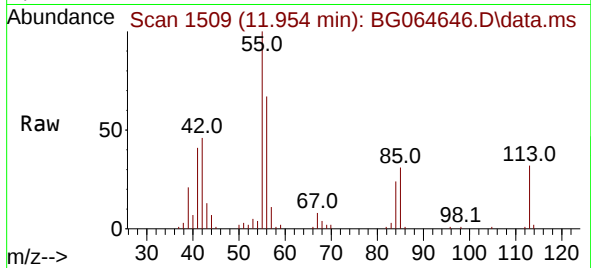
#35
Caprolactam
Concen: 39.251 ng m
RT: 11.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion:113 Resp: 3142
Ion Ratio Lower Upper
113 100
55 309.2 290.1 330.1
56 208.3 183.8 223.8

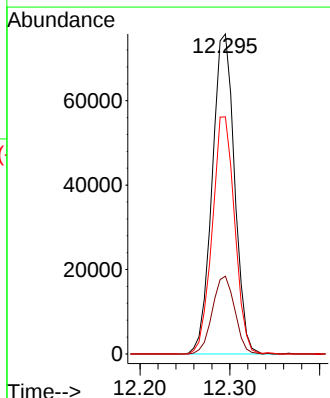
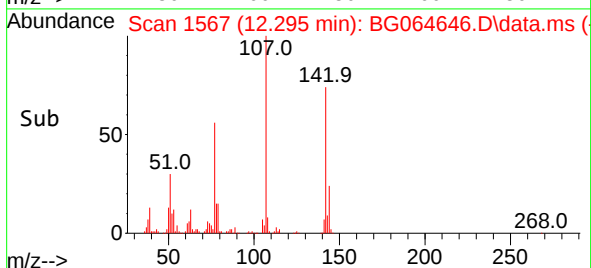
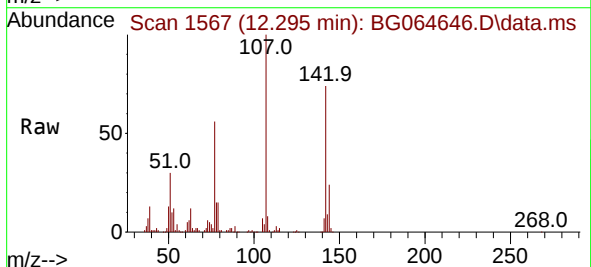
Manual Integrations
APPROVED

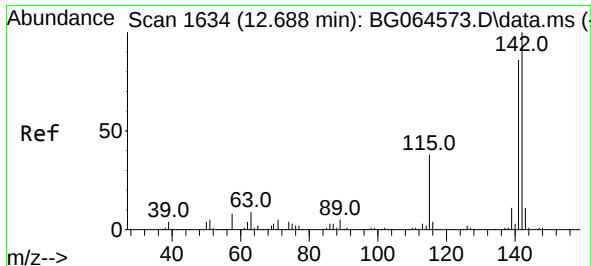
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#36
4-Chloro-3-methylphenol
Concen: 52.261 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

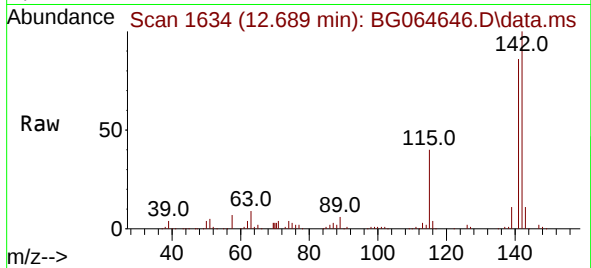
Tgt Ion:107 Resp: 131118
Ion Ratio Lower Upper
107 100
144 24.3 19.1 28.7
142 74.1 58.6 87.8





#37
2-Methylnaphthalene
Concen: 43.179 ng
RT: 12.689 min Scan# 1634
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

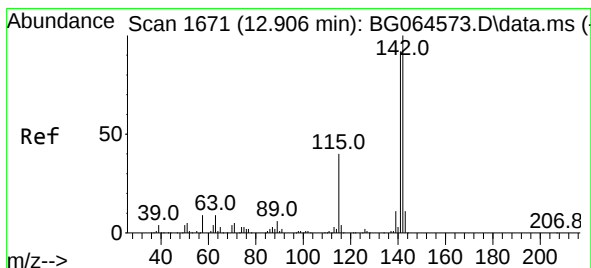
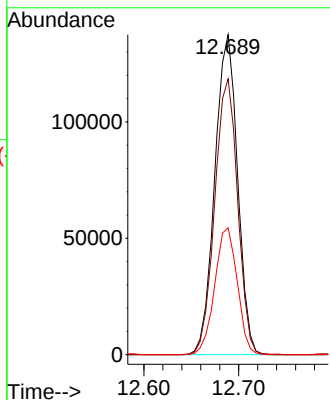
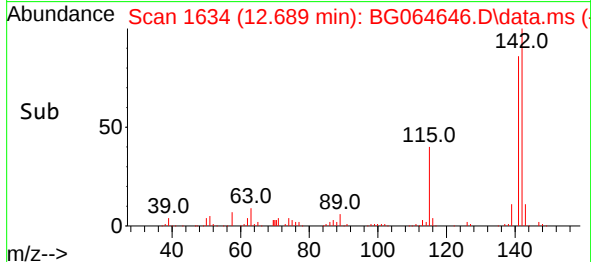
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



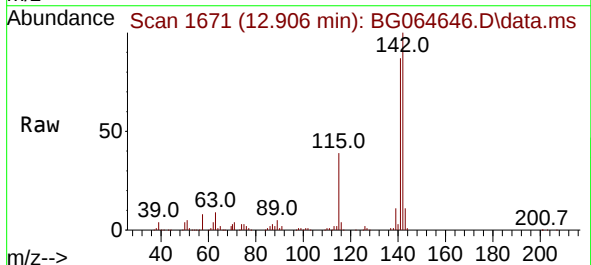
Tgt Ion:142 Resp: 22939
Ion Ratio Lower Upper
142 100
141 86.2 68.9 103.3
115 39.7 30.6 46.0

Manual Integrations
APPROVED

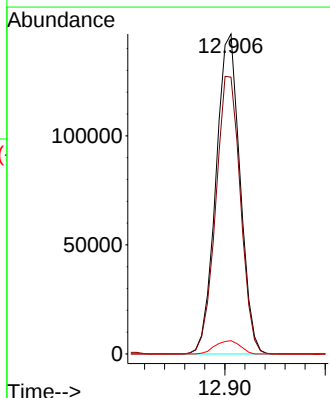
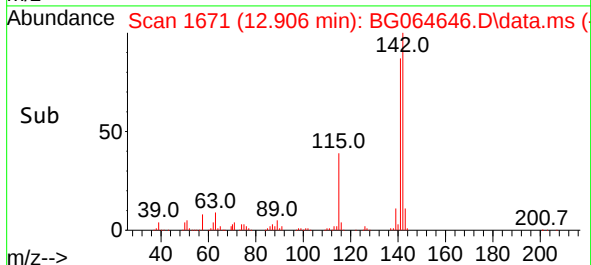
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

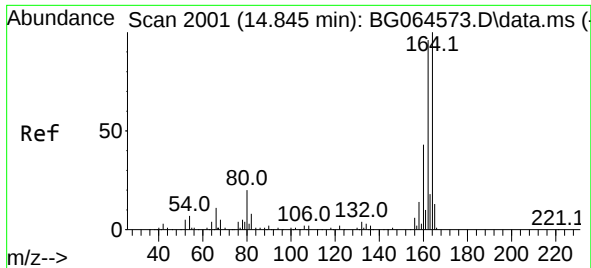


#38
1-Methylnaphthalene
Concen: 46.461 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



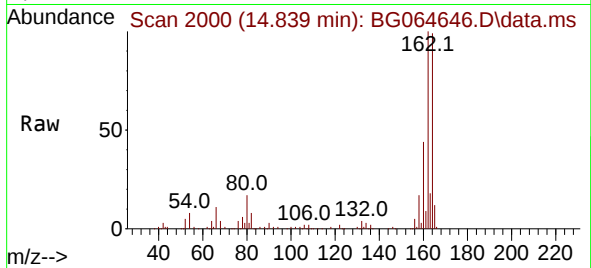
Tgt Ion:142 Resp: 244348
Ion Ratio Lower Upper
142 100
141 86.5 73.3 109.9
116 4.2 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

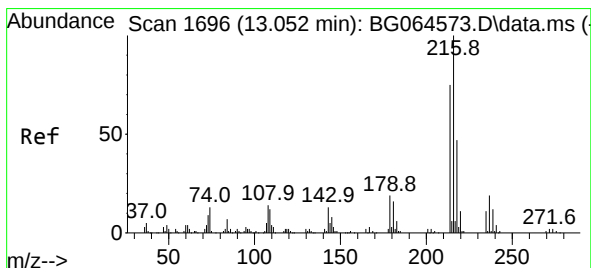
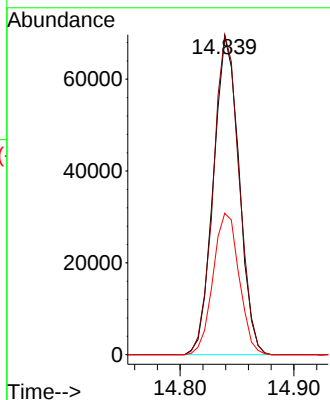
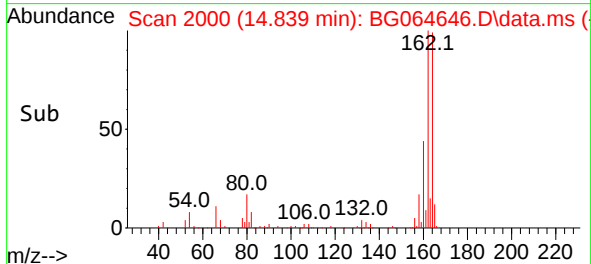
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



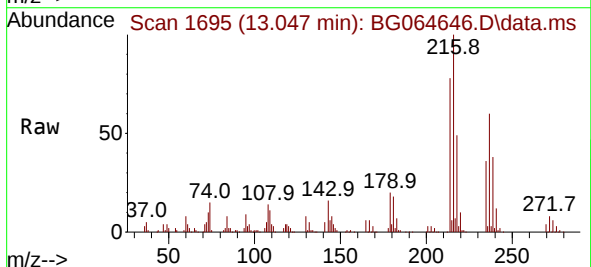
Tgt Ion:164 Resp: 108940
Ion Ratio Lower Upper
164 100
162 100.5 77.0 115.6
160 44.4 34.4 51.6

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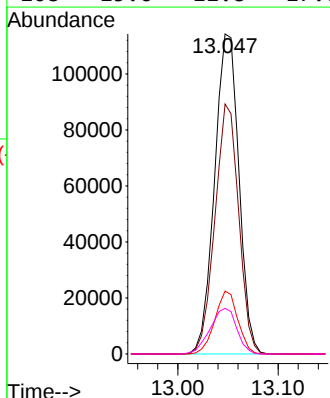
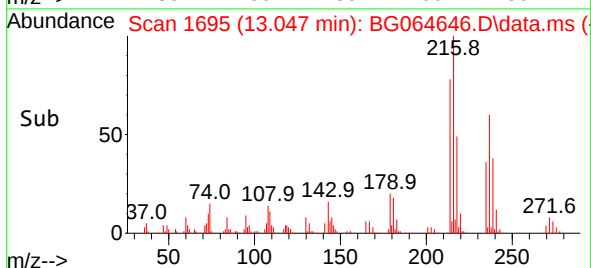
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

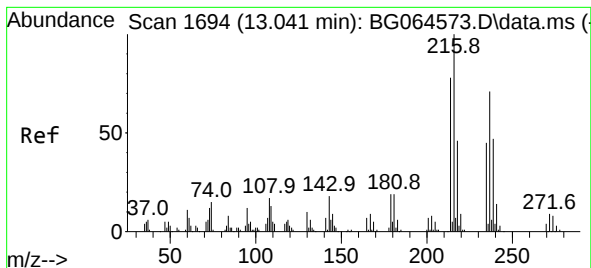


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.466 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



Tgt Ion:216 Resp: 191820
Ion Ratio Lower Upper
216 100
214 76.2 61.4 92.2
179 18.5 15.4 23.0
108 15.6 11.8 17.6





#41

Hexachlorocyclopentadiene

Concen: 128.624 ng

RT: 13.035 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

Tgt Ion:237 Resp: 211669

Ion Ratio Lower Upper

237 100

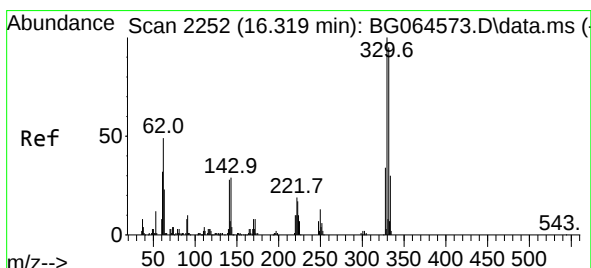
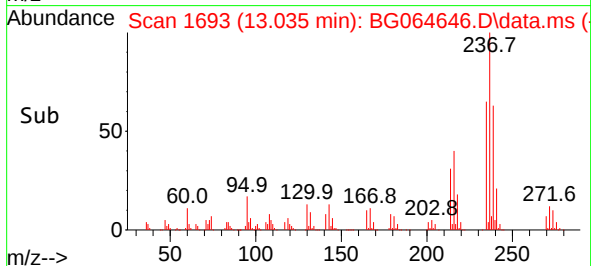
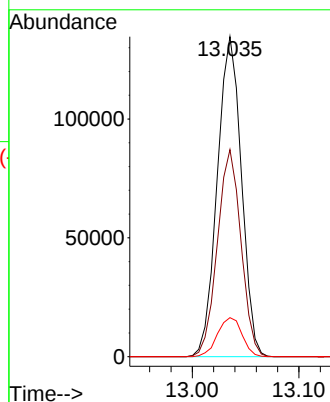
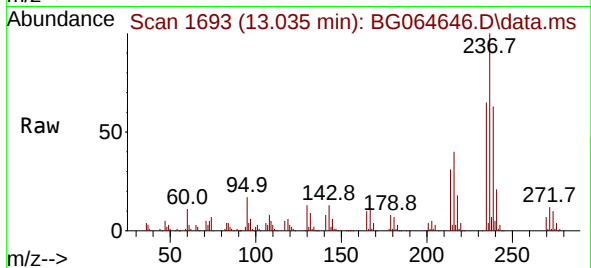
235 64.7 44.1 84.1

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: 152.647 ng

RT: 16.320 min Scan# 2252

Delta R.T. 0.001 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

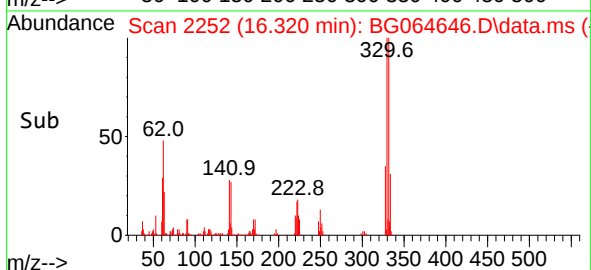
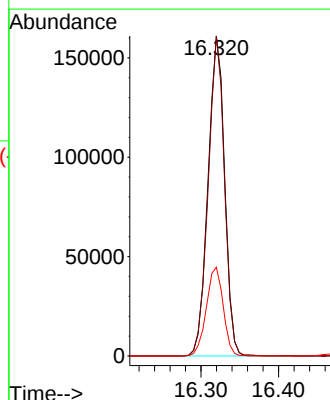
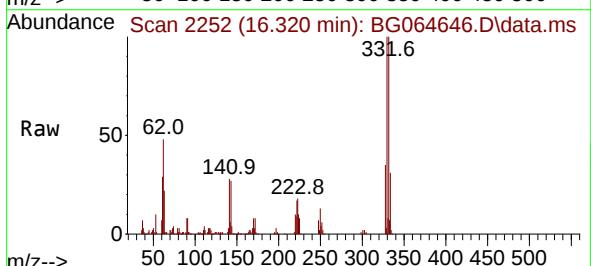
Tgt Ion:330 Resp: 240011

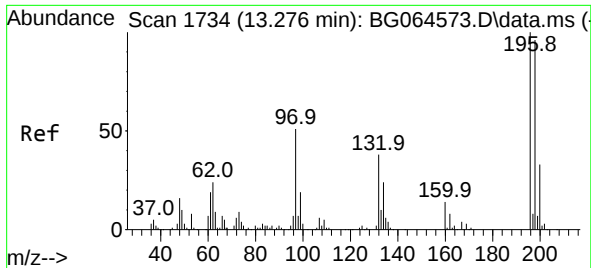
Ion Ratio Lower Upper

330 100

332 97.4 78.0 117.0

141 28.1 21.8 32.6





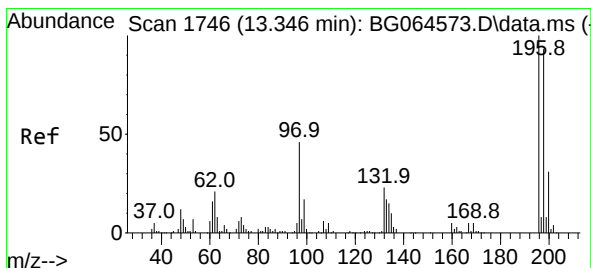
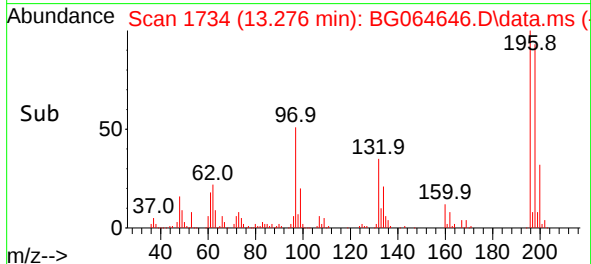
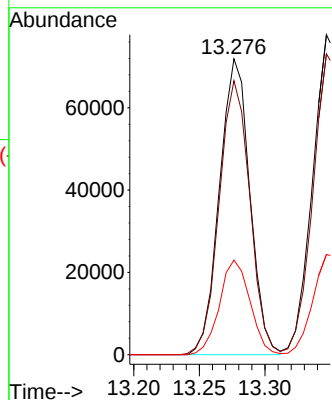
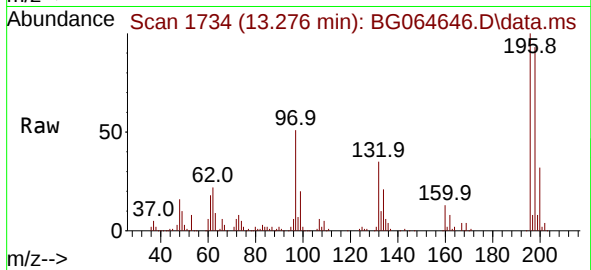
#43
2,4,6-Trichlorophenol
Concen: 55.219 ng
RT: 13.276 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion:196 Resp: 11548
Ion Ratio Lower Upper
196 100
198 92.6 76.6 115.0
200 32.0 26.0 39.0

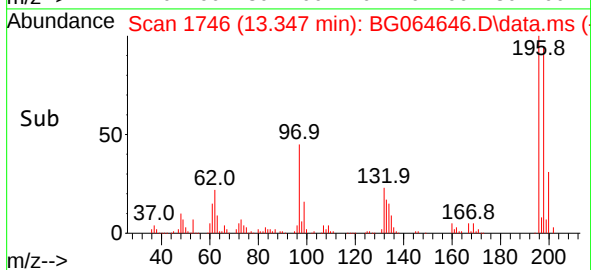
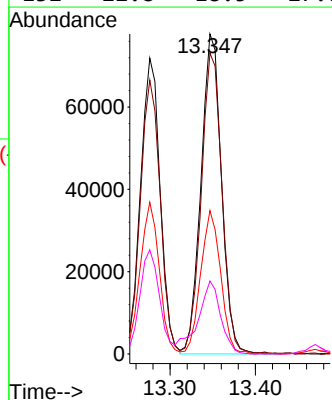
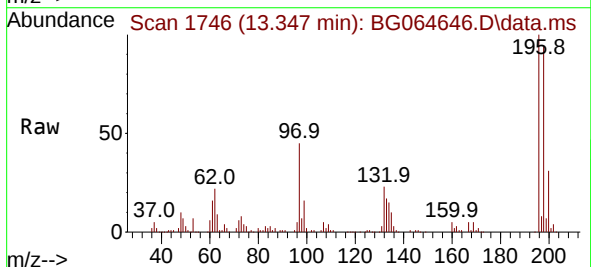
Manual Integrations
APPROVED

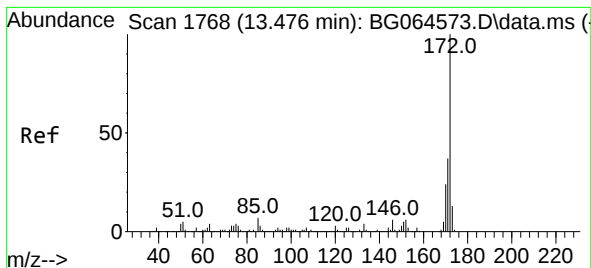
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#44
2,4,5-Trichlorophenol
Concen: 53.927 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Tgt Ion:196 Resp: 130147
Ion Ratio Lower Upper
196 100
198 94.0 74.2 111.4
97 44.8 37.0 55.6
132 22.8 18.5 27.7





#45

2-Fluorobiphenyl

Concen: 89.017 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

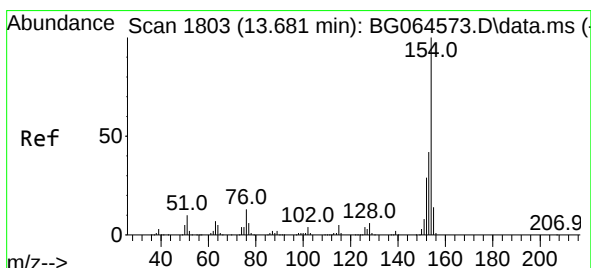
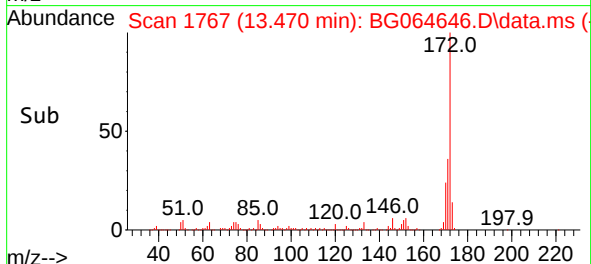
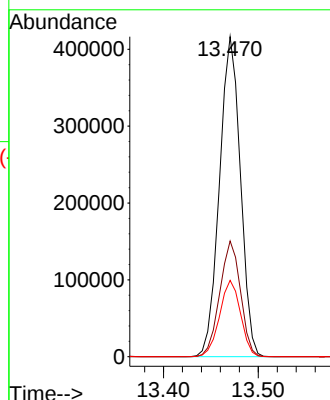
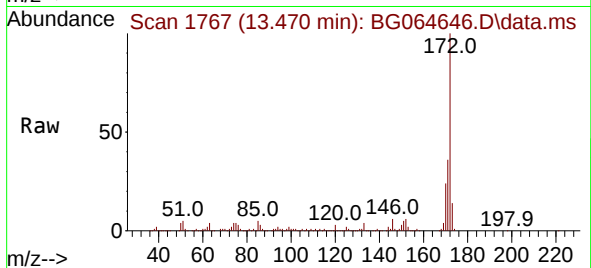
Tgt Ion:172 Resp: 63978

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	23.8	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: 51.691 ng

RT: 13.682 min Scan# 1803

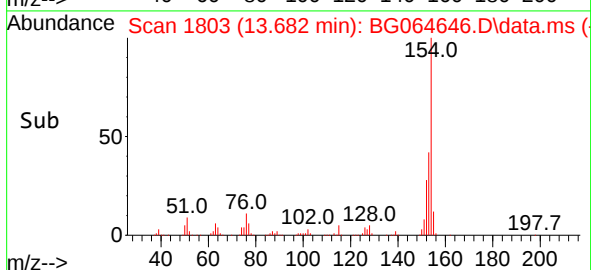
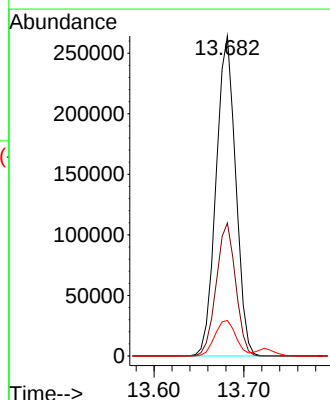
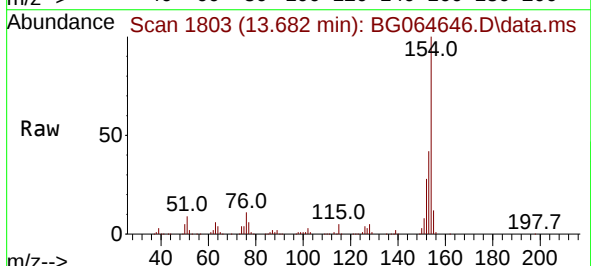
Delta R.T. 0.001 min

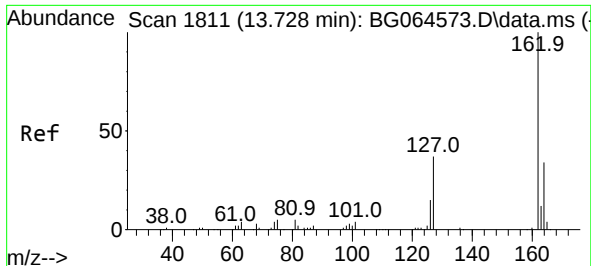
Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Tgt Ion:154 Resp: 400345

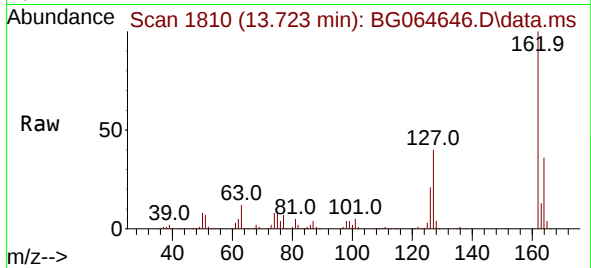
Ion	Ratio	Lower	Upper
154	100		
153	41.6	22.4	62.4
76	11.1	0.0	33.5





#47
2-Chloronaphthalene
Concen: 46.048 ng
RT: 13.723 min Scan# 1811
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

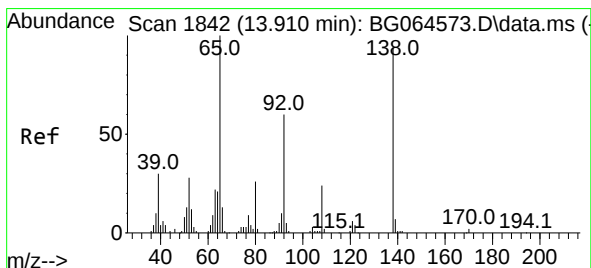
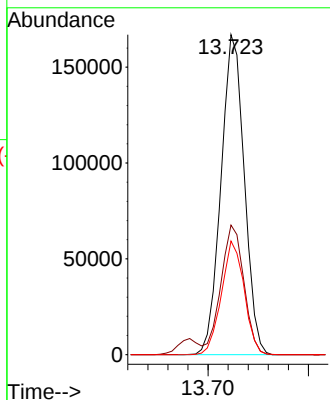
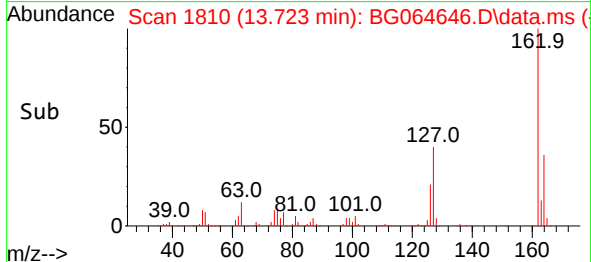
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:162 Resp: 269200
Ion Ratio Lower Upper
162 100
127 40.5 32.2 48.2
164 35.5 27.5 41.3

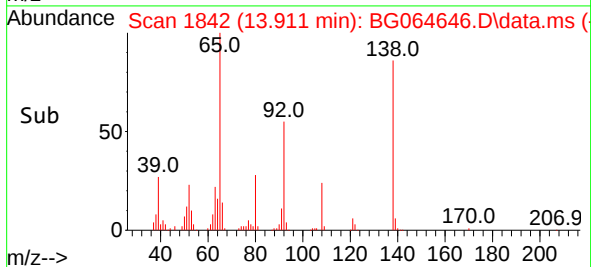
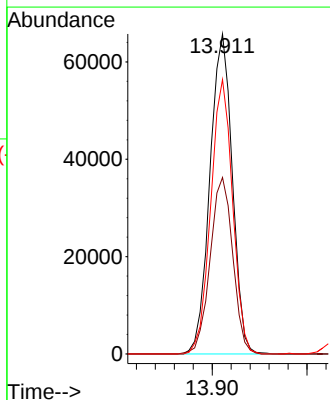
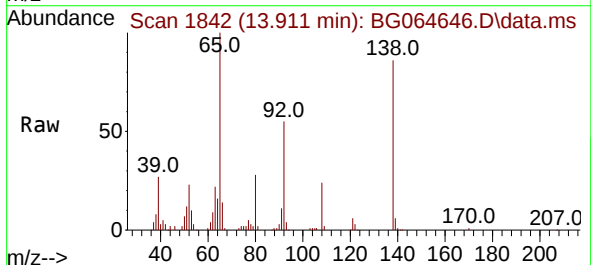
Manual Integrations
APPROVED

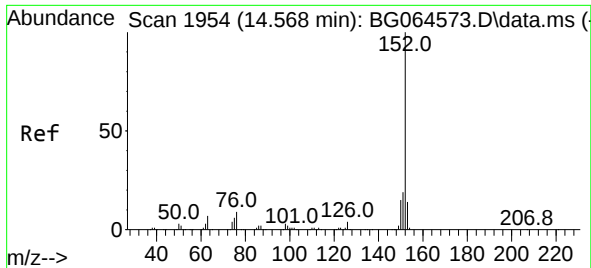
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#48
2-Nitroaniline
Concen: 54.376 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

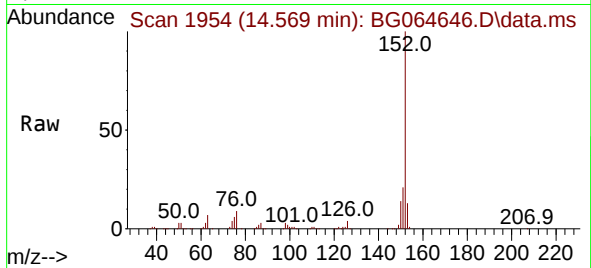
Tgt Ion: 65 Resp: 107618
Ion Ratio Lower Upper
65 100
92 55.2 48.3 72.5
138 85.8 74.9 112.3





#49
Acenaphthylene
Concen: 53.094 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

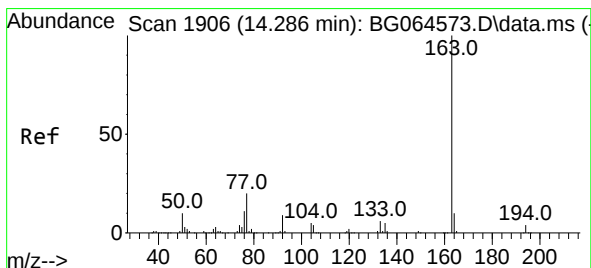
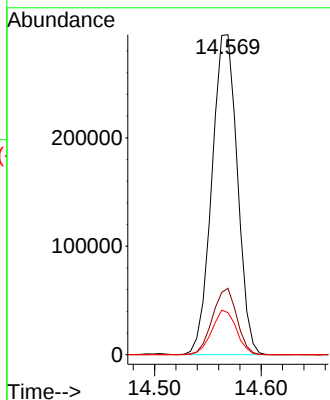
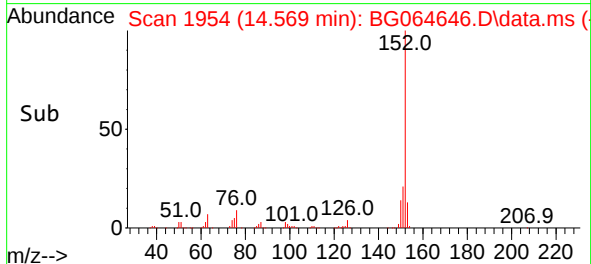
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



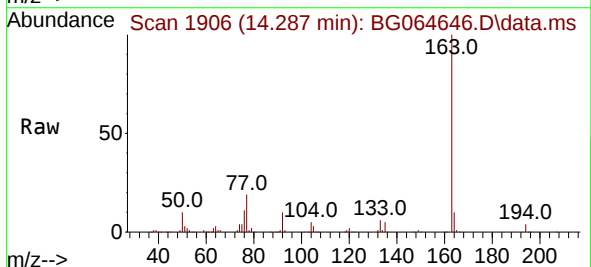
Tgt Ion:152 Resp: 48959
Ion Ratio Lower Upper
152 100
151 20.8 15.4 23.2
153 13.2 11.0 16.4

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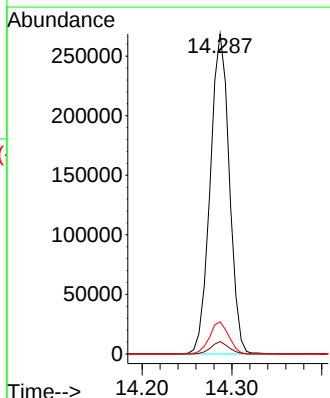
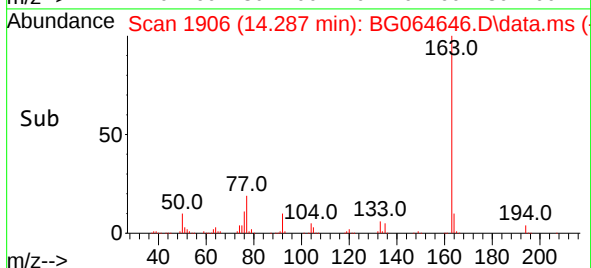
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

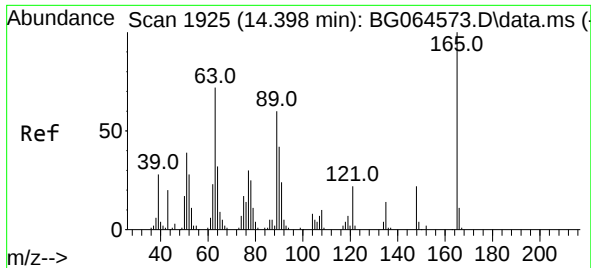


#50
Dimethylphthalate
Concen: 47.618 ng
RT: 14.287 min Scan# 1906
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



Tgt Ion:163 Resp: 396950
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.1 7.7 11.5





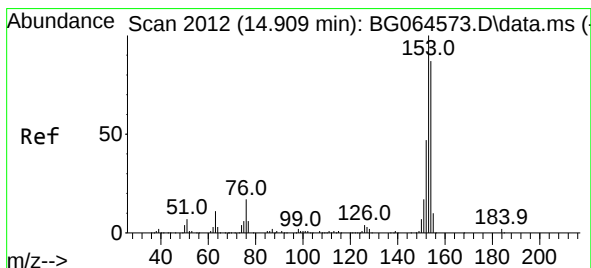
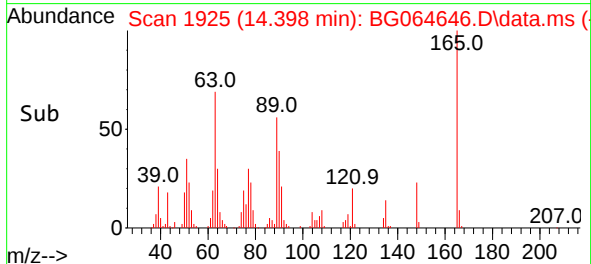
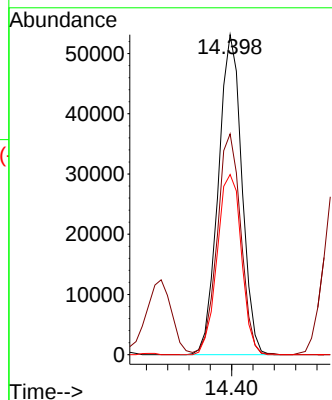
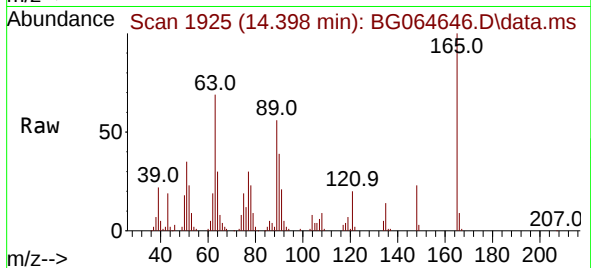
#51
2,6-Dinitrotoluene
Concen: 58.294 ng
RT: 14.398 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion:165 Resp: 81190
Ion Ratio Lower Upper
165 100
63 69.0 57.4 86.0
89 56.3 47.8 71.8

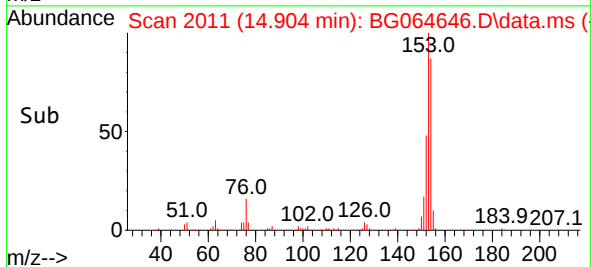
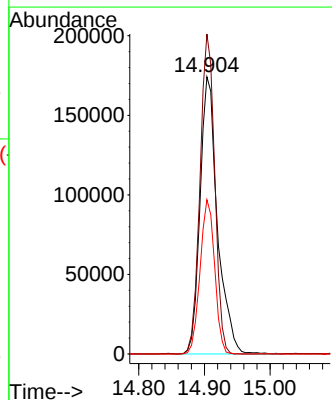
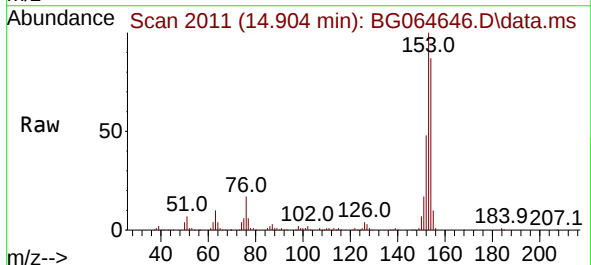
Manual Integrations
APPROVED

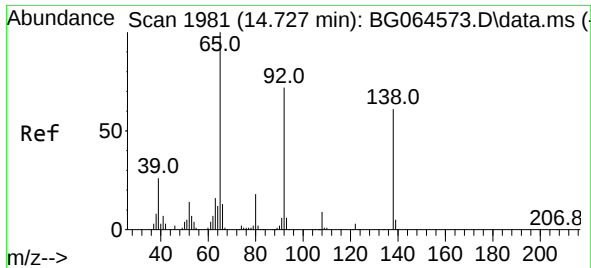
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 51.228 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

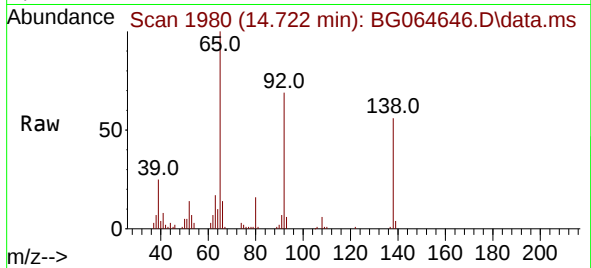
Tgt Ion:154 Resp: 322736
Ion Ratio Lower Upper
154 100
153 115.5 92.2 138.4
152 55.7 43.2 64.8





#53
3-Nitroaniline
Concen: 21.469 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

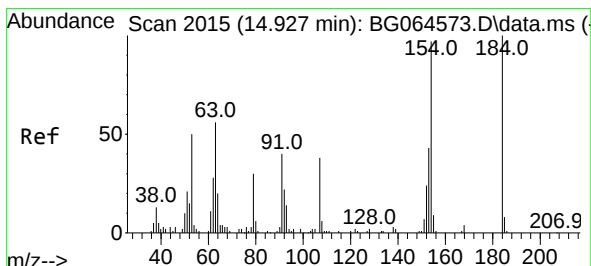
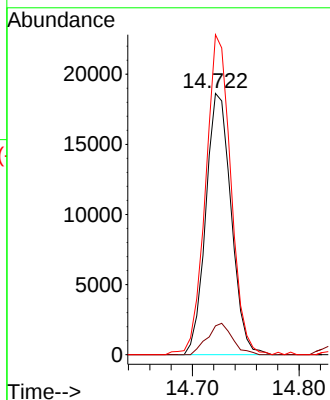
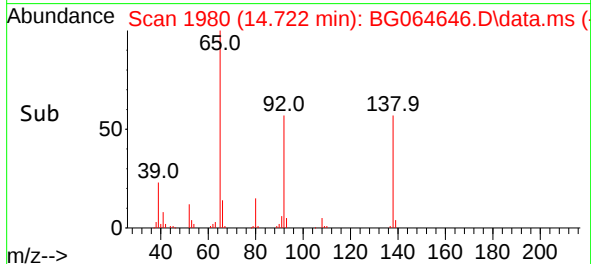
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



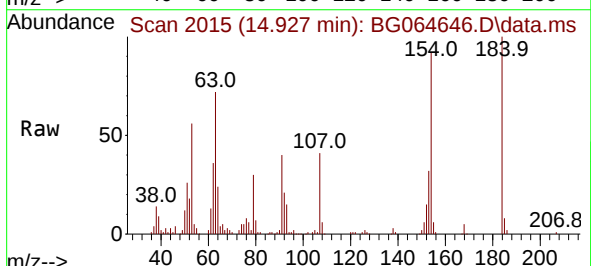
Tgt Ion:138 Resp: 30750
Ion Ratio Lower Upper
138 100
108 11.0 11.4 17.0
92 122.4 95.3 142.9

Manual Integrations
APPROVED

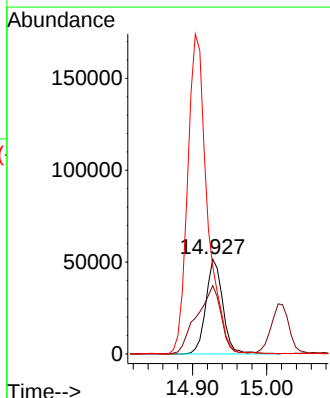
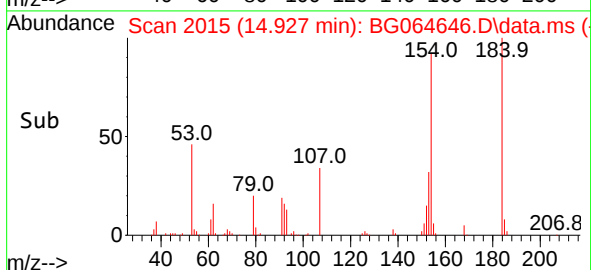
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

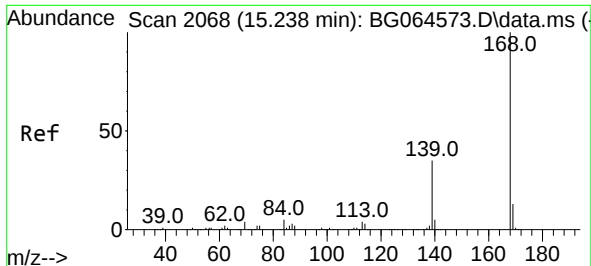


#54
2,4-Dinitrophenol
Concen: 95.815 ng
RT: 14.927 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



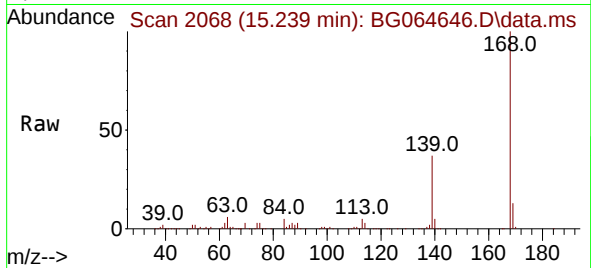
Tgt Ion:184 Resp: 81869
Ion Ratio Lower Upper
184 100
63 72.2 56.6 85.0
154 92.4 158.6 238.0#





#55
Dibenzo-furan
Concen: 47.264 ng
RT: 15.239 min Scan# 2068
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

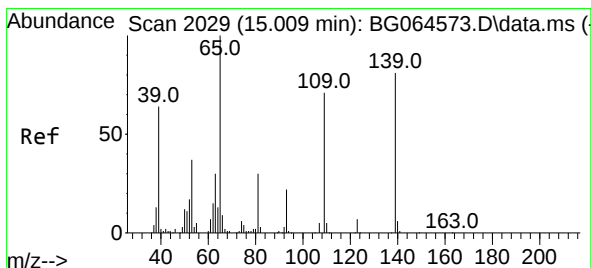
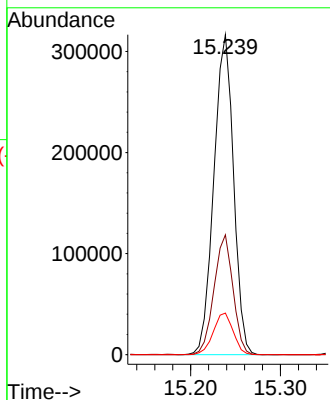
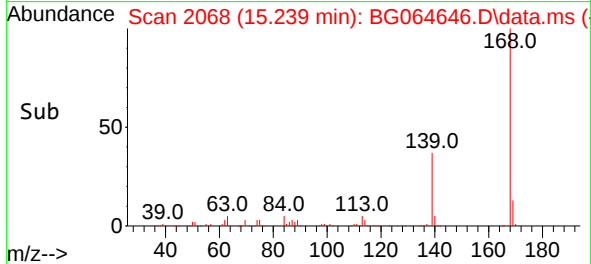
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:168 Resp: 481395
Ion Ratio Lower Upper
168 100
139 37.4 27.8 41.8
169 13.0 10.3 15.5

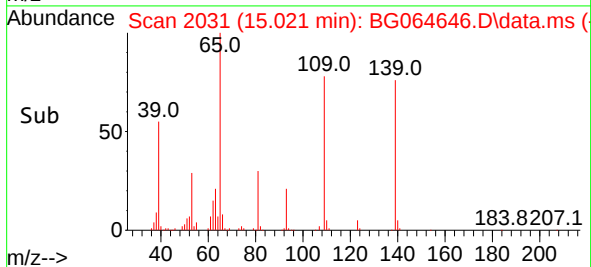
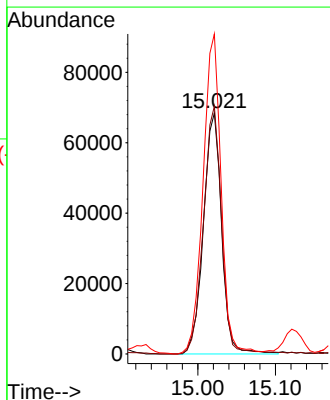
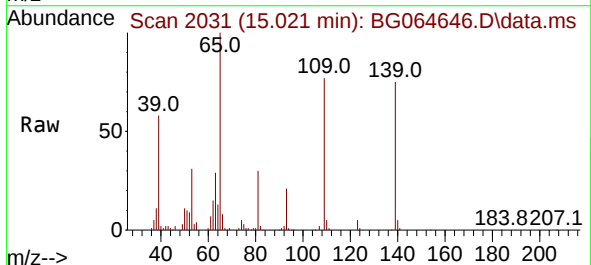
Manual Integrations
APPROVED

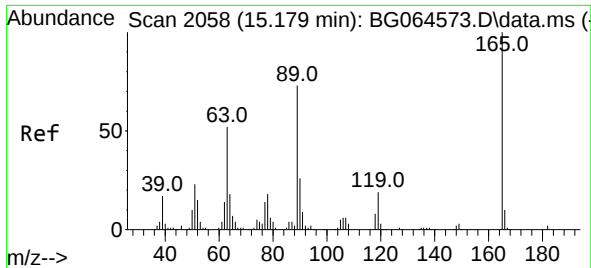
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#56
4-Nitrophenol
Concen: 84.117 ng
RT: 15.021 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

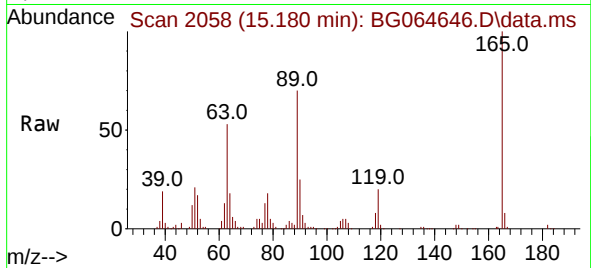
Tgt Ion:139 Resp: 111726
Ion Ratio Lower Upper
139 100
109 102.9 67.8 107.8
65 132.8 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 55.084 ng
RT: 15.180 min Scan# 2058
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

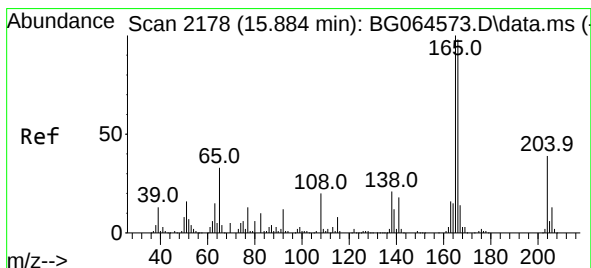
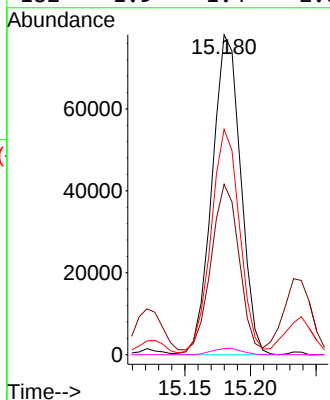
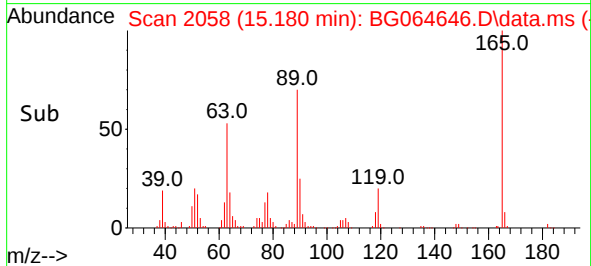
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



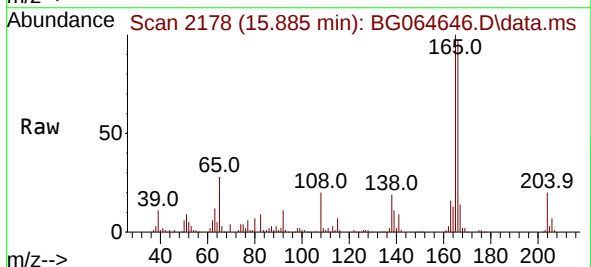
Tgt Ion:165 Resp: 118169
Ion Ratio Lower Upper
165 100
63 53.3 41.8 62.8
89 70.5 58.1 87.1
182 1.9 1.4 2.0

Manual Integrations
APPROVED

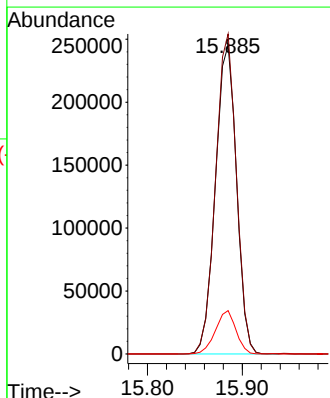
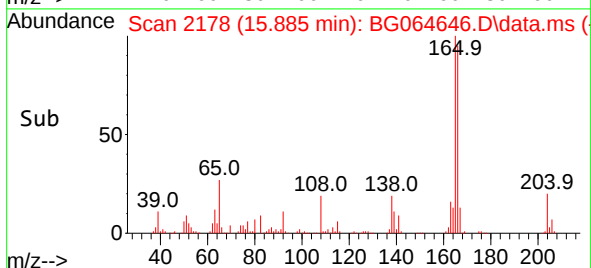
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

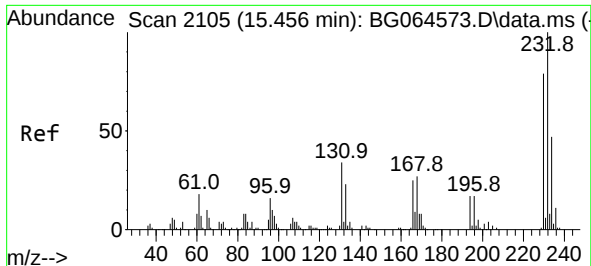


#58
Fluorene
Concen: 47.716 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



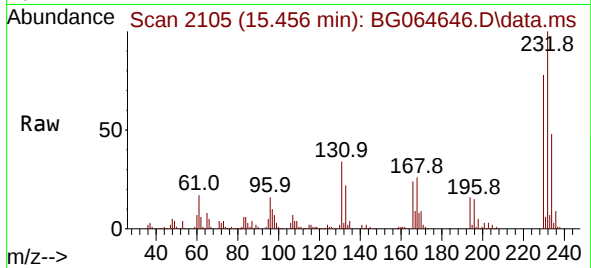
Tgt Ion:166 Resp: 379549
Ion Ratio Lower Upper
166 100
165 103.6 81.5 122.3
167 14.0 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 58.265 ng
RT: 15.456 min Scan# 2105
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

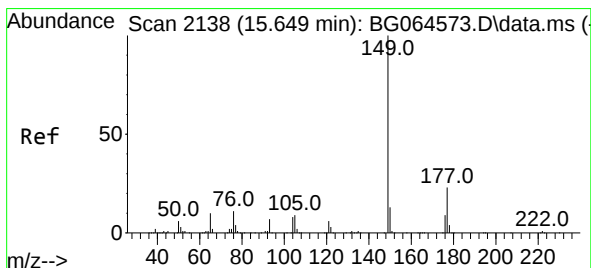
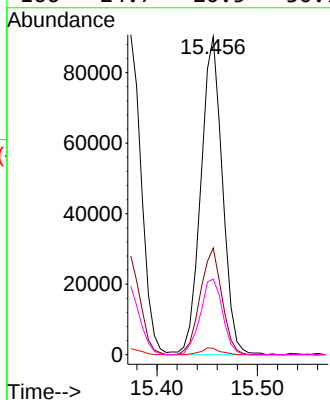
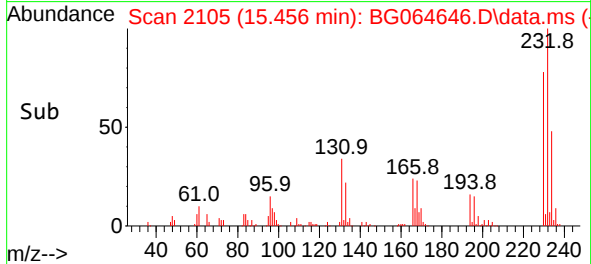
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:232 Resp: 134464
Ion Ratio Lower Upper
232 100
131 33.8 26.7 40.1
130 1.9 1.6 2.4
166 24.7 20.5 30.7

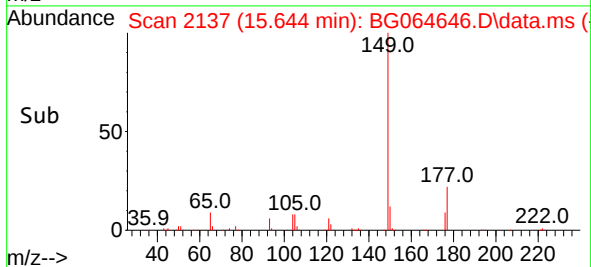
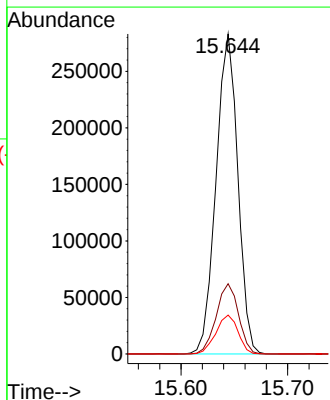
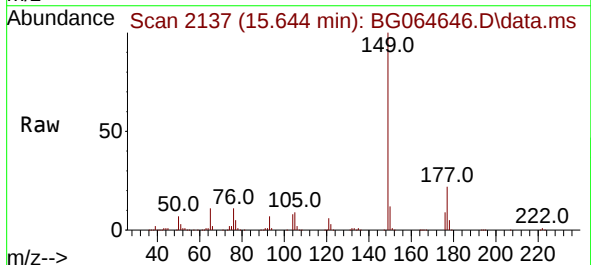
Manual Integrations
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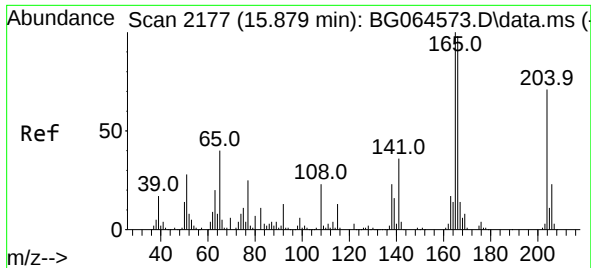
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#60
Diethylphthalate
Concen: 47.018 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

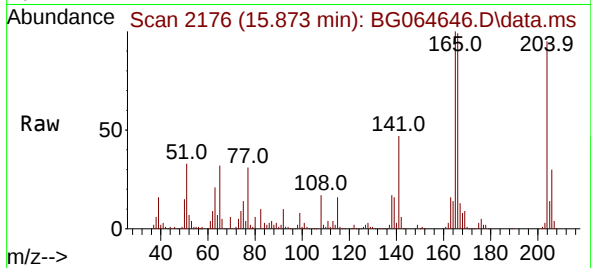
Tgt Ion:149 Resp: 400197
Ion Ratio Lower Upper
149 100
177 22.0 18.0 27.0
150 12.2 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 49.378 ng
RT: 15.873 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

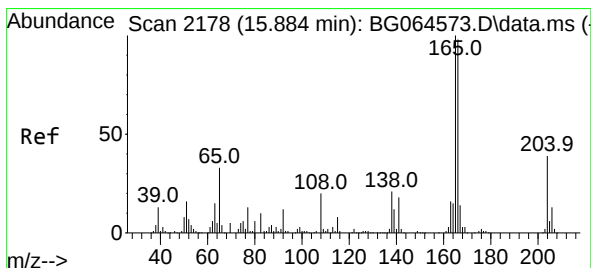
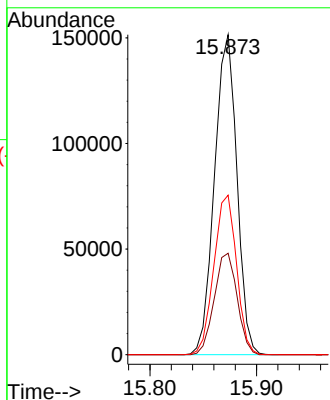
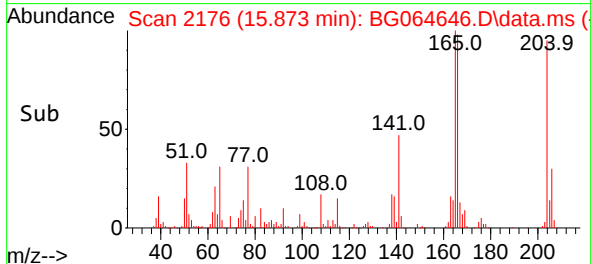
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



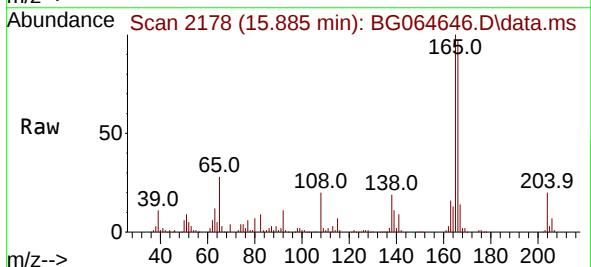
Tgt Ion:204 Resp: 220420
Ion Ratio Lower Upper
204 100
206 31.7 25.6 38.4
141 49.9 40.6 60.8

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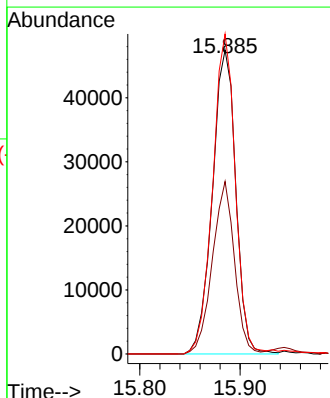
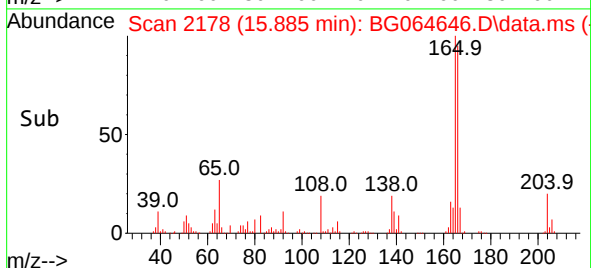
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

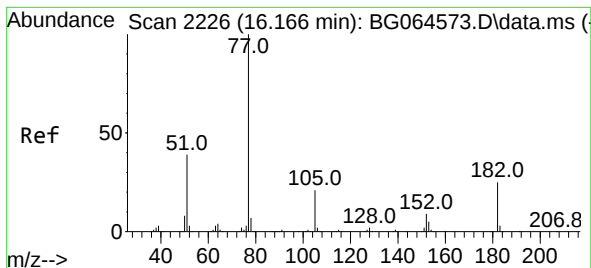


#62
4-Nitroaniline
Concen: 48.148 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



Tgt Ion:138 Resp: 76737
Ion Ratio Lower Upper
138 100
92 56.8 36.1 76.1
108 105.3 75.6 115.6





#63

Azobenzene

Concen: 46.890 ng

RT: 16.161 min Scan# 2226

Delta R.T. -0.005 min

Lab File: BG064646.D

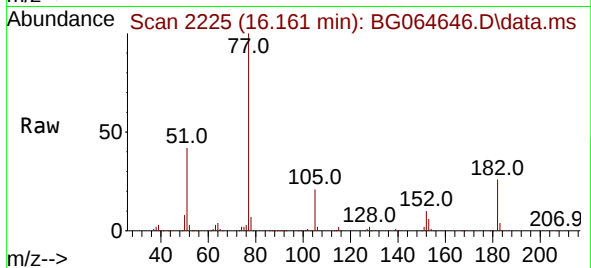
Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion: 77 Resp: 366190

Ion Ratio Lower Upper

77 100

182 25.7 4.9 44.9

105 20.6 1.3 41.3

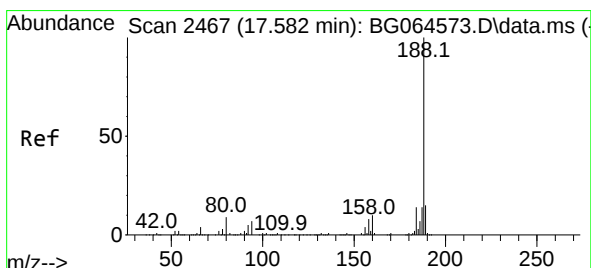
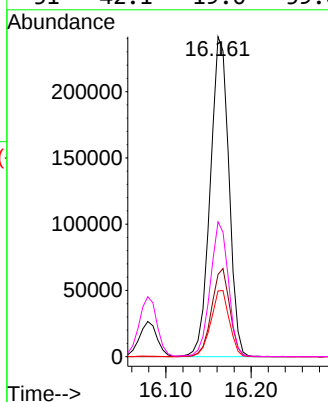
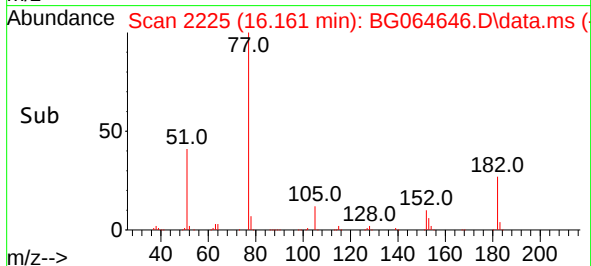
51 42.1 19.0 59.0

Manual Integrations

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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. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

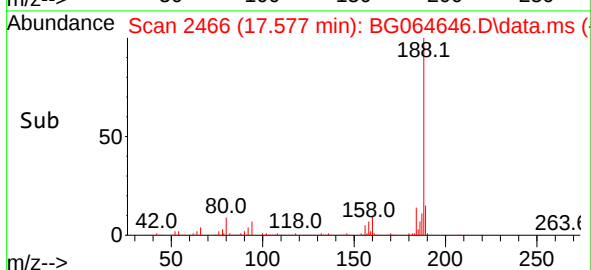
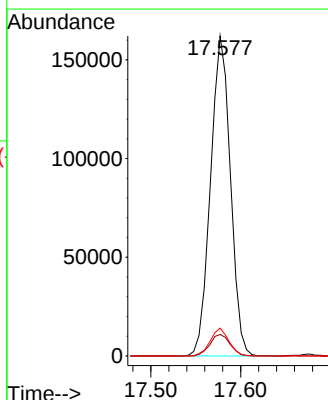
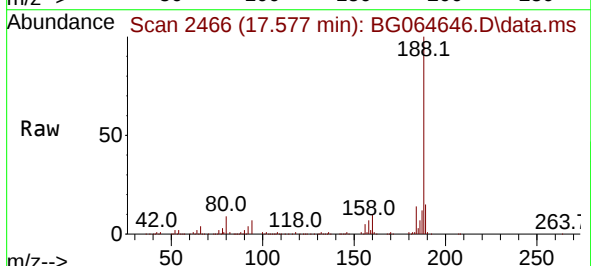
Tgt Ion:188 Resp: 248997

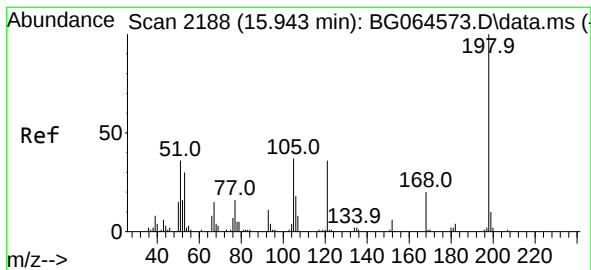
Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

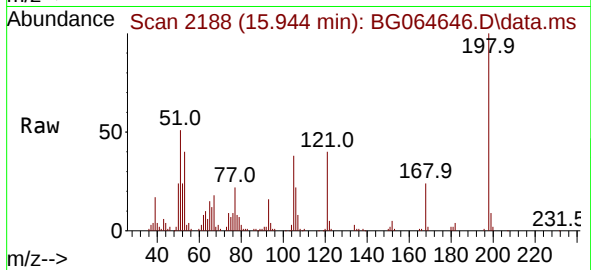
80 8.7 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 58.851 ng
RT: 15.944 min Scan# 2188
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

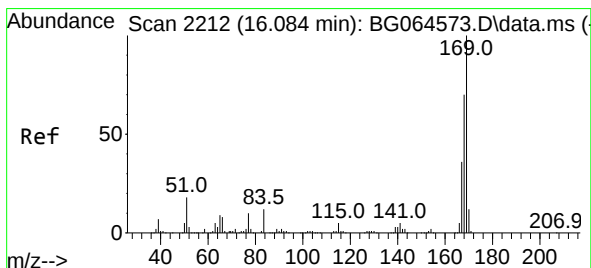
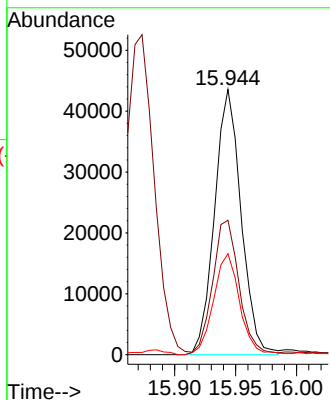
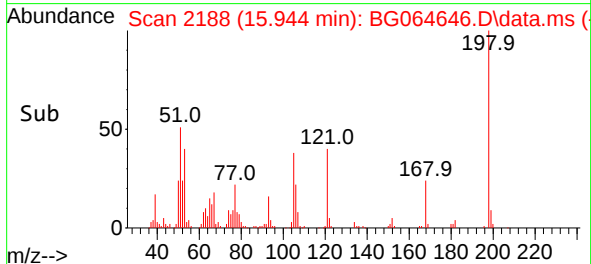
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



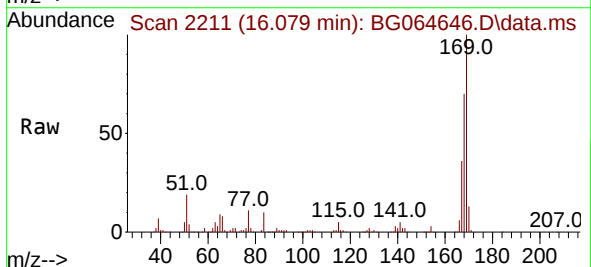
Tgt Ion:198 Resp: 65990
Ion Ratio Lower Upper
198 100
51 50.7 24.7 64.7
105 38.1 18.0 58.0

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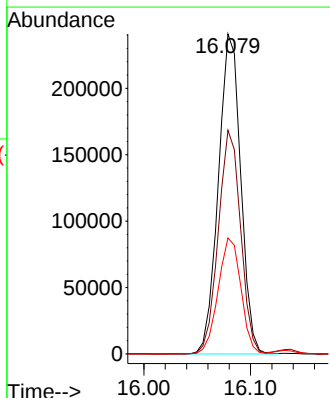
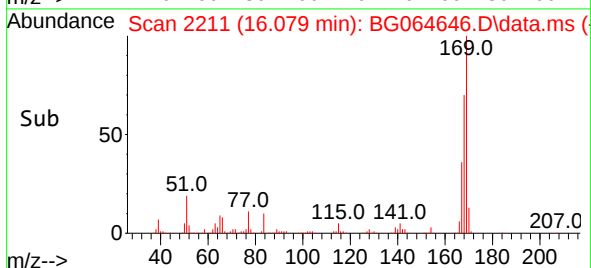
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

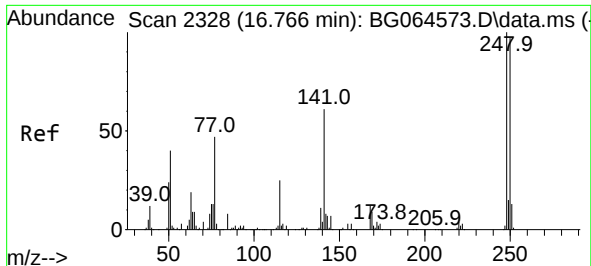


#66
n-Nitrosodiphenylamine
Concen: 52.023 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



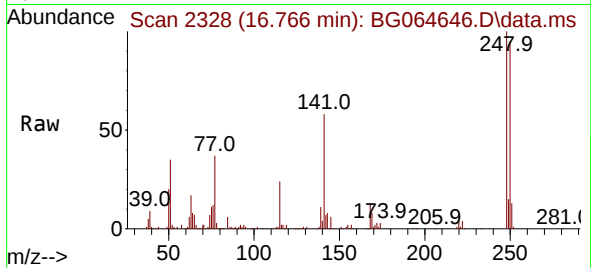
Tgt Ion:169 Resp: 349910
Ion Ratio Lower Upper
169 100
168 69.9 56.3 84.5
167 36.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 53.392 ng
RT: 16.766 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

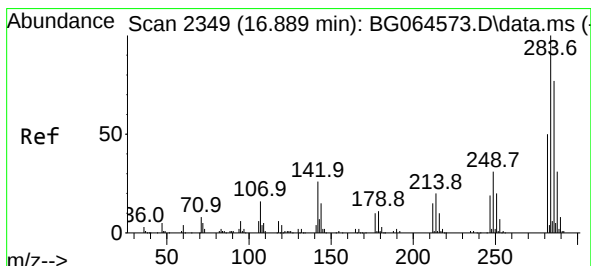
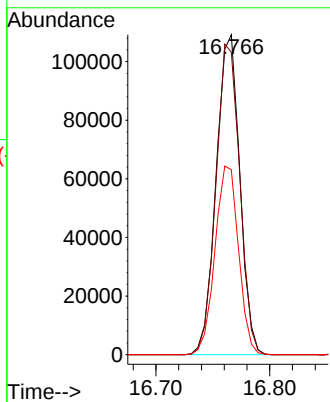
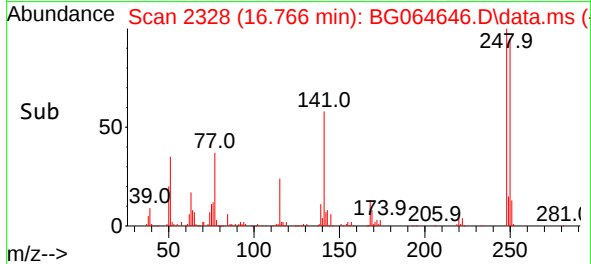
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



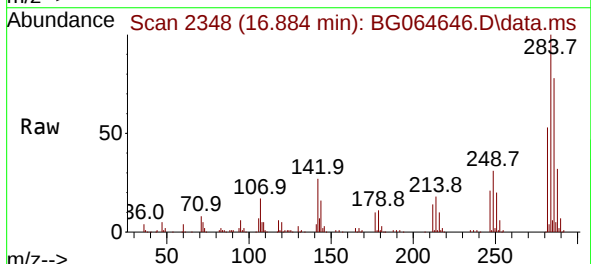
Tgt Ion:248 Resp: 15754
Ion Ratio Lower Upper
248 100
250 94.6 77.7 116.5
141 57.8 48.6 72.8

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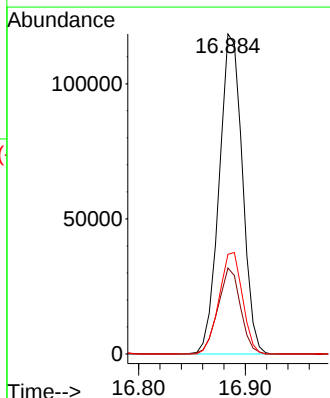
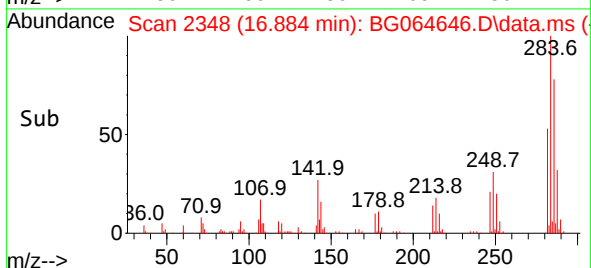
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

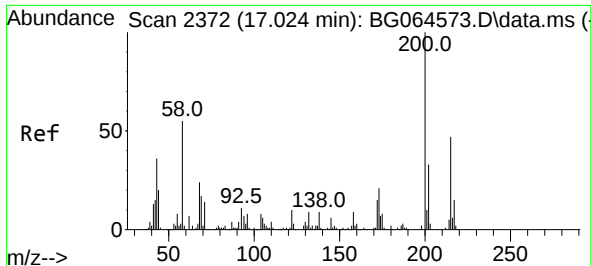


#68
Hexachlorobenzene
Concen: 53.039 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



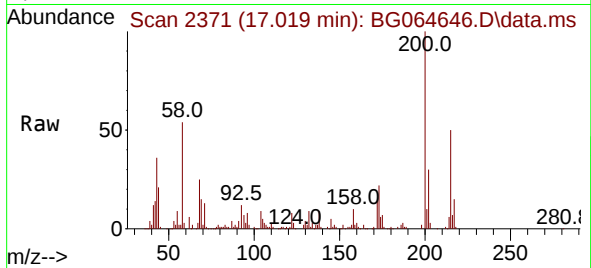
Tgt Ion:284 Resp: 178544
Ion Ratio Lower Upper
284 100
142 26.9 21.0 31.6
249 33.2 24.9 37.3





#69
Atrazine
Concen: 50.017 ng
RT: 17.019 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

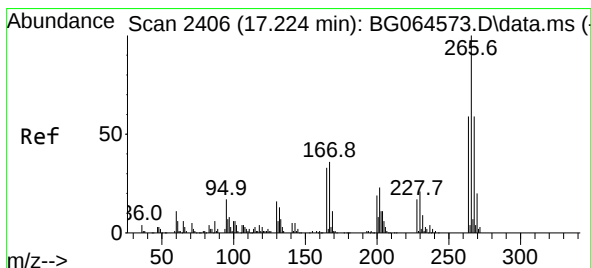
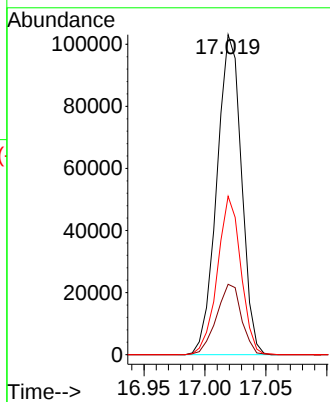
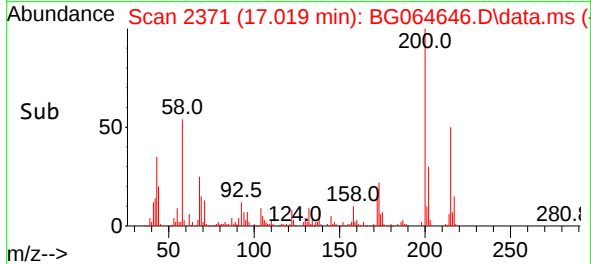
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



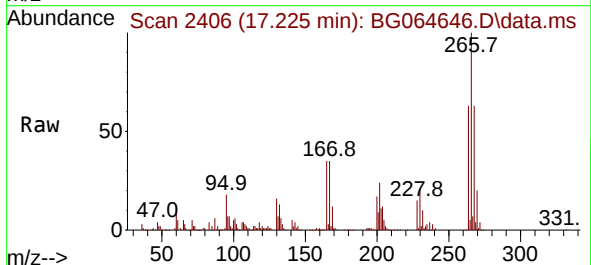
Tgt Ion:200 Resp: 144774
Ion Ratio Lower Upper
200 100
173 22.0 0.9 40.9
215 49.5 27.0 67.0

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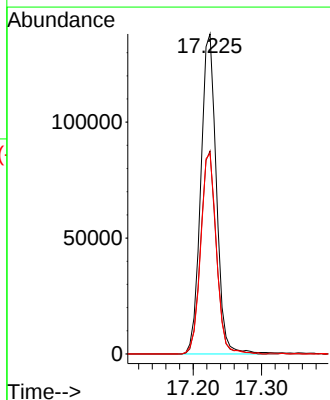
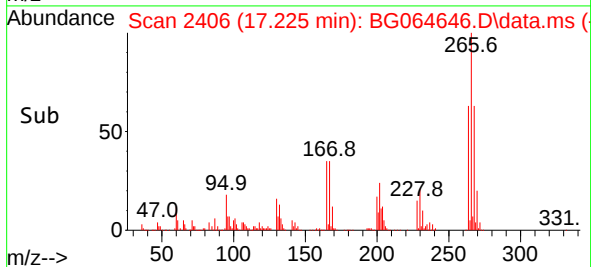
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

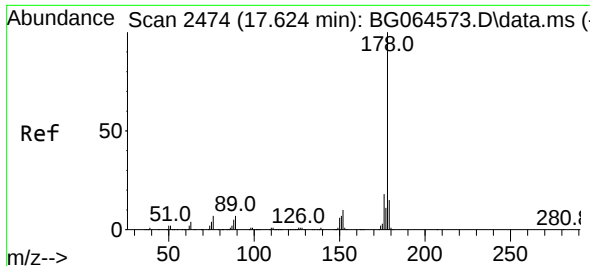


#70
Pentachlorophenol
Concen: 104.561 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



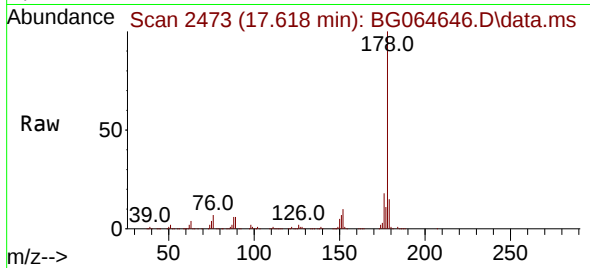
Tgt Ion:266 Resp: 219490
Ion Ratio Lower Upper
266 100
268 67.8 50.3 75.5
264 62.6 47.3 70.9





#71
Phenanthrene
Concen: 48.308 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

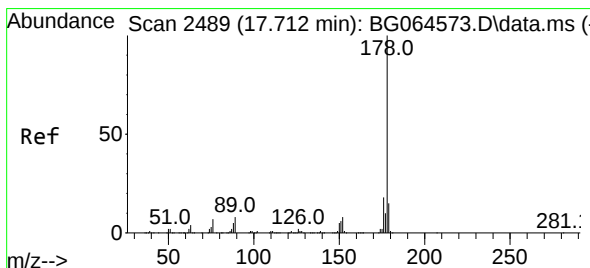
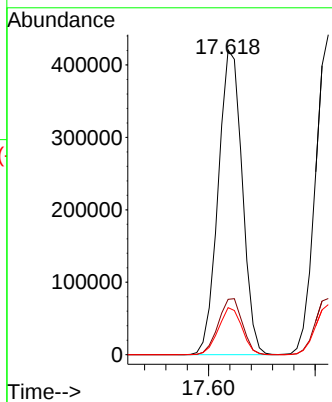
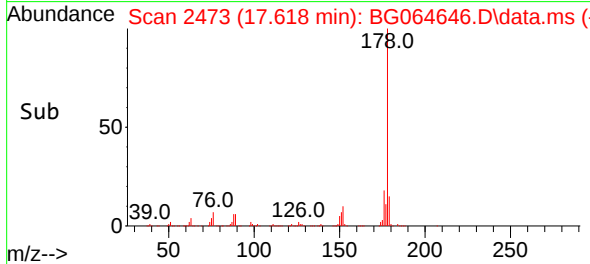
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:178 Resp: 657800
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.4 12.2 18.4

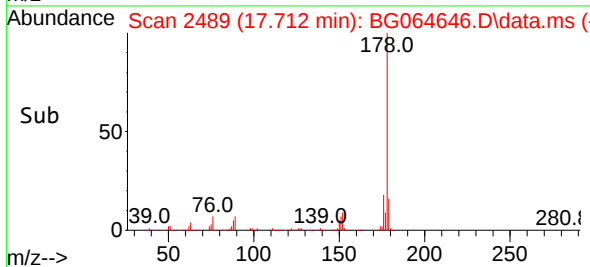
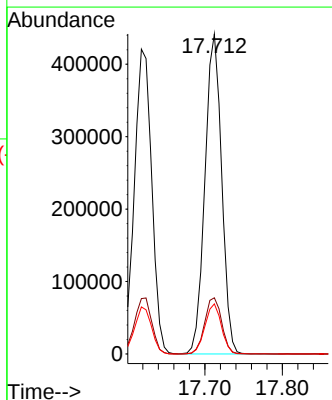
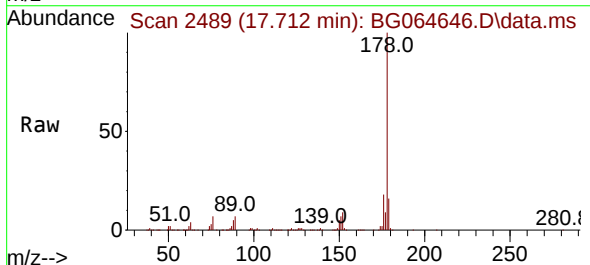
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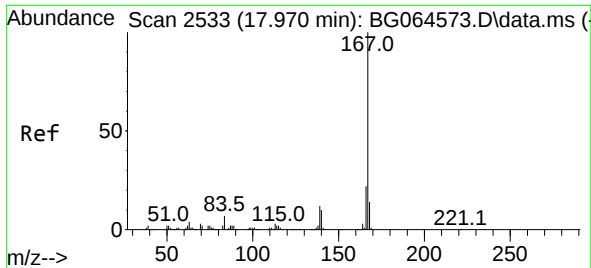
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#72
Anthracene
Concen: 47.701 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

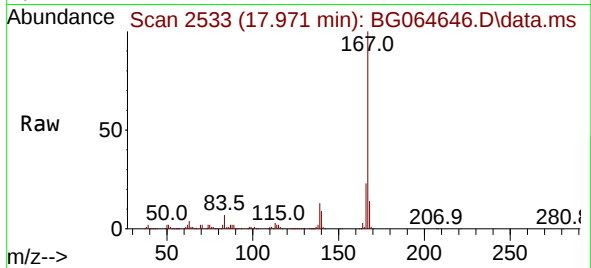
Tgt Ion:178 Resp: 660717
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 43.392 ng
 RT: 17.971 min Scan# 2533
 Delta R.T. 0.000 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29

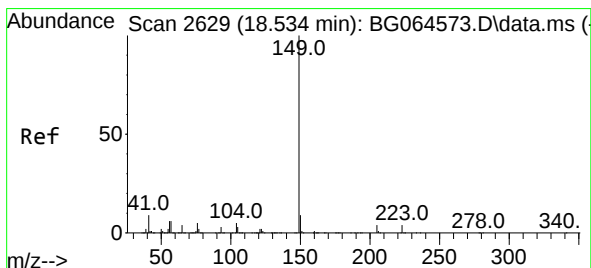
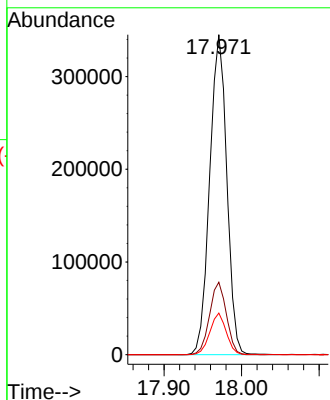
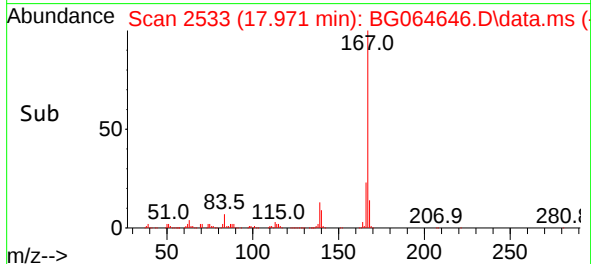
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS



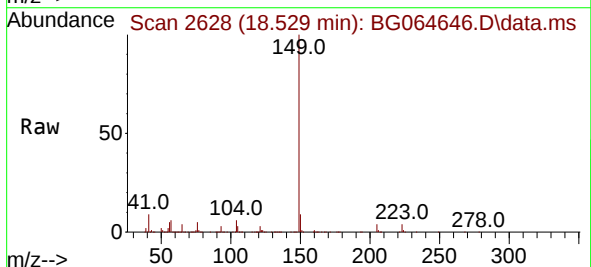
Tgt Ion:167 Resp: 530000
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.9 26.9
 139 13.0 9.7 14.5

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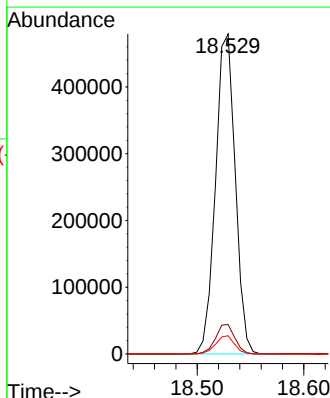
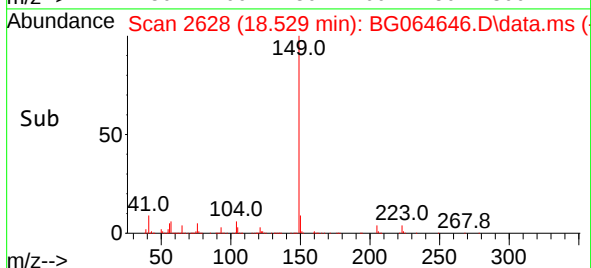
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

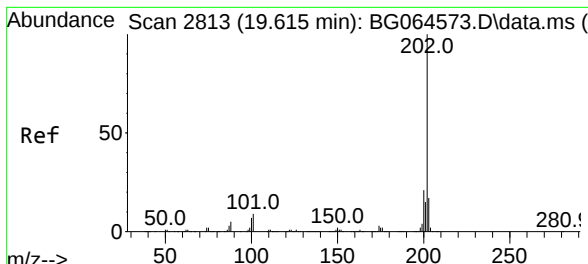


#74
 Di-n-butylphthalate
 Concen: 43.493 ng
 RT: 18.529 min Scan# 2628
 Delta R.T. -0.005 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29



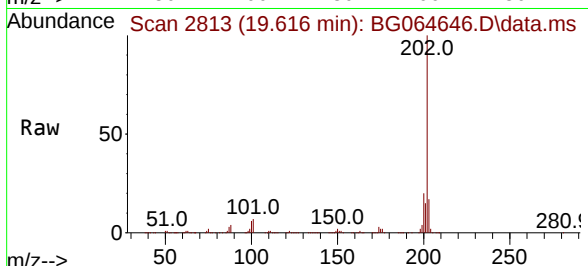
Tgt Ion:149 Resp: 614310
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.0 10.6
 104 5.7 4.1 6.1





#75
 Fluoranthene
 Concen: 42.823 ng
 RT: 19.616 min Scan# 2813
 Delta R.T. 0.001 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29

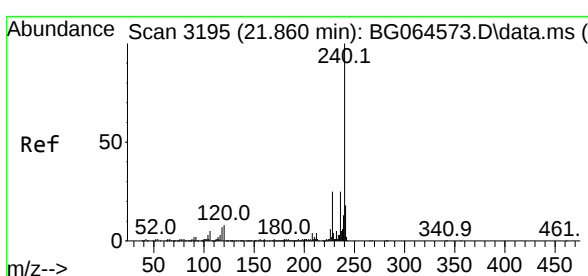
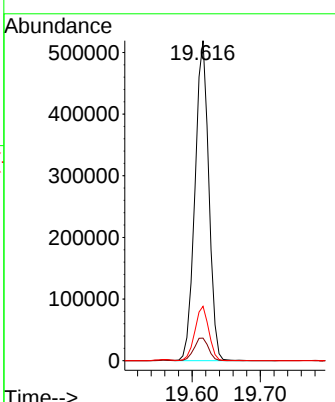
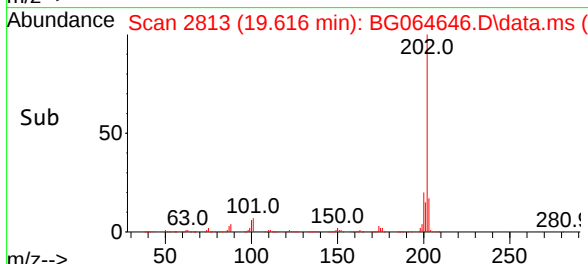
Instrument : BNA_G
 ClientSampleId : SOUTH-MAHWAH-SOILMS



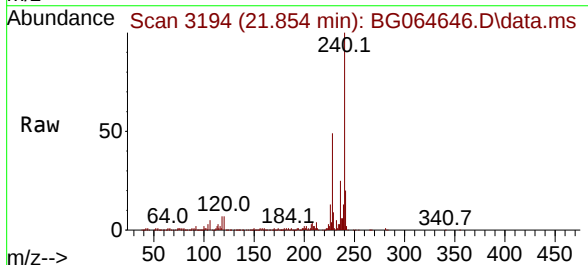
Tgt Ion: 202 Resp: 730479

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.7
203	17.0	0.0	37.0

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

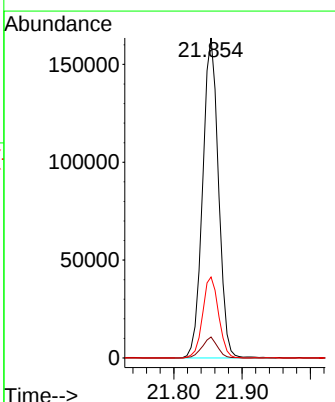
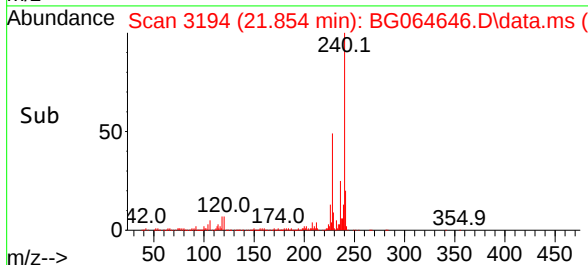


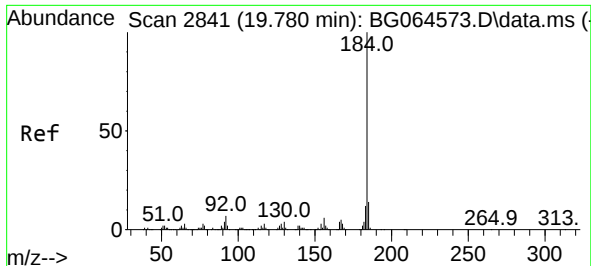
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.854 min Scan# 3194
 Delta R.T. -0.005 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29



Tgt Ion: 240 Resp: 264263

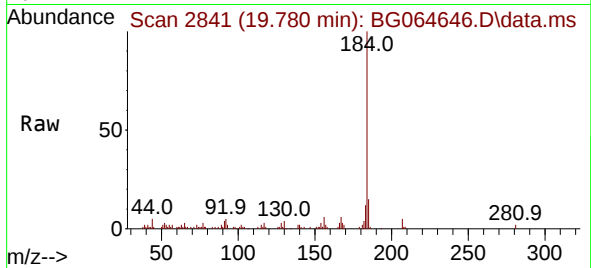
Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	25.3	20.2	30.2





#77
Benzidine
Concen: 8.156 ng
RT: 19.780 min Scan# 2841
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

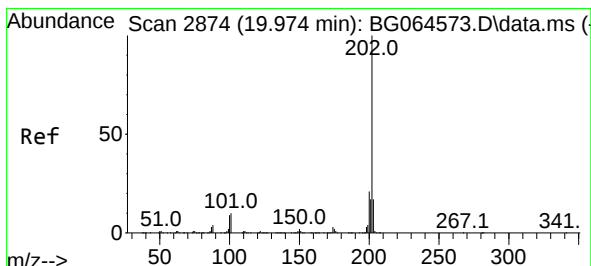
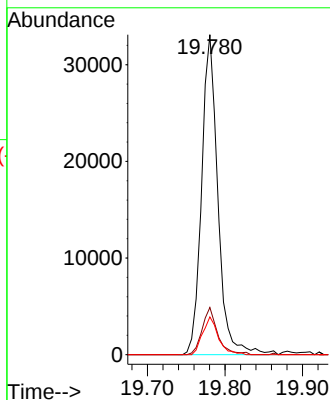
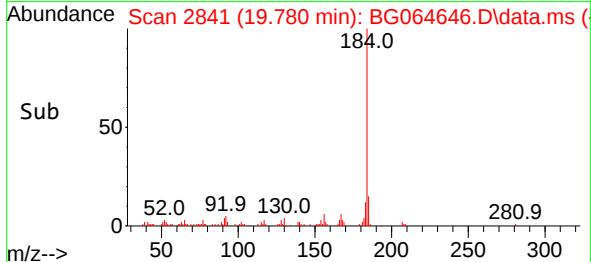
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



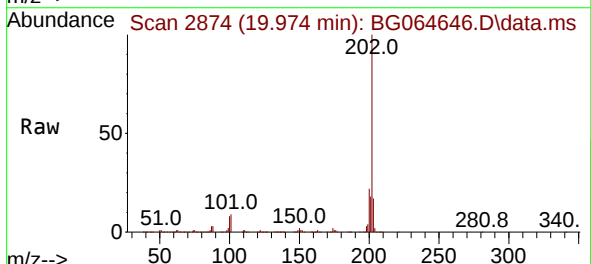
Tgt Ion:184 Resp: 4829
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.2
183 11.8 9.4 14.2

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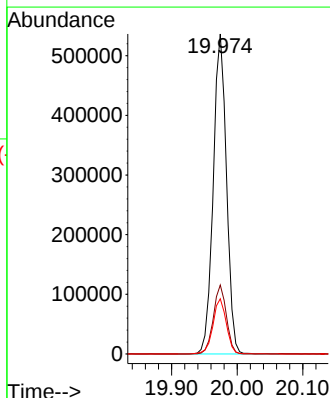
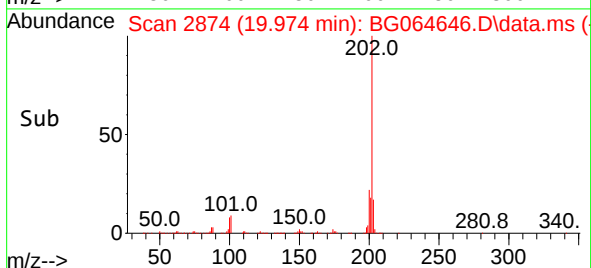
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

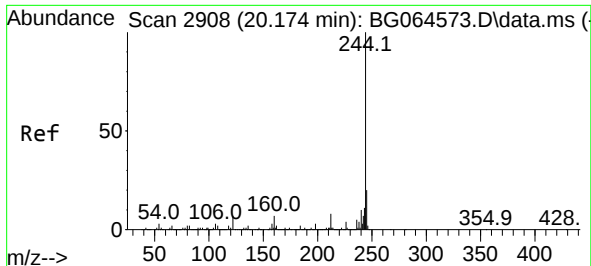


#78
Pyrene
Concen: 43.484 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



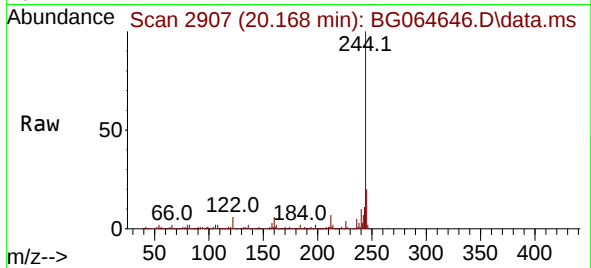
Tgt Ion:202 Resp: 750780
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.2 13.8 20.6





#79
 Terphenyl-d14
 Concen: 80.841 ng
 RT: 20.168 min Scan# 2907
 Delta R.T. -0.005 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29

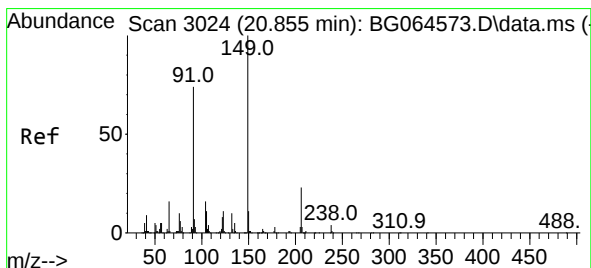
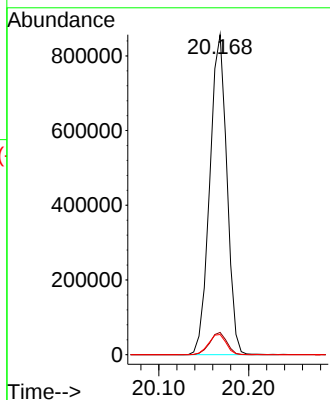
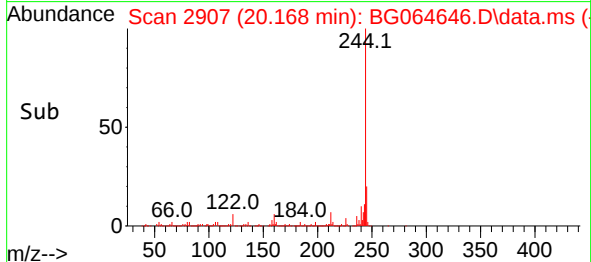
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS



Tgt Ion:244 Resp: 1132034
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 6.3 5.6 8.4

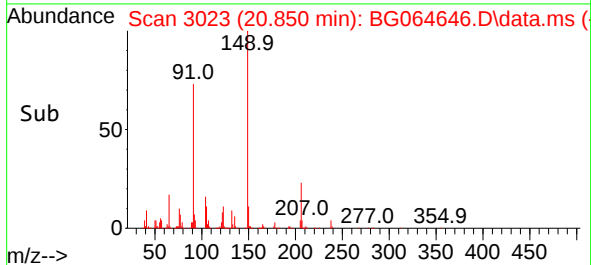
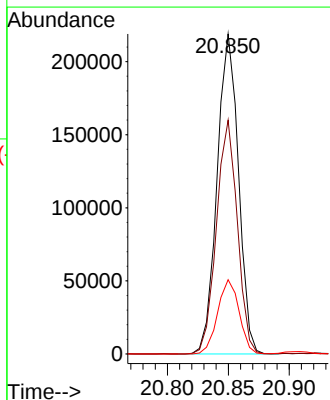
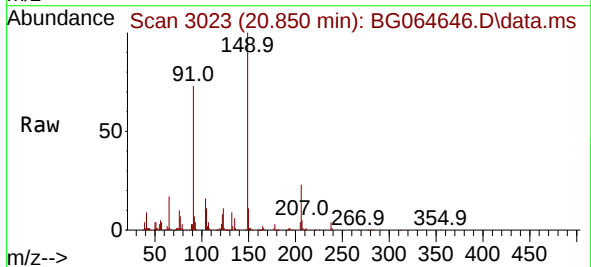
Manual Integrations
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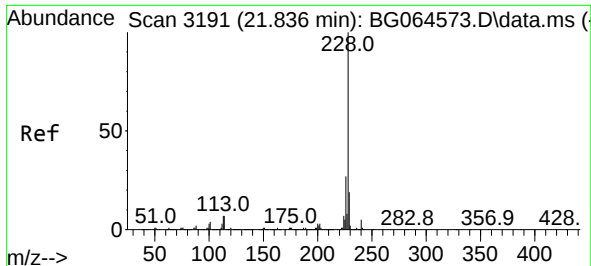
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#80
 Butylbenzylphthalate
 Concen: 51.228 ng
 RT: 20.850 min Scan# 3023
 Delta R.T. -0.005 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29

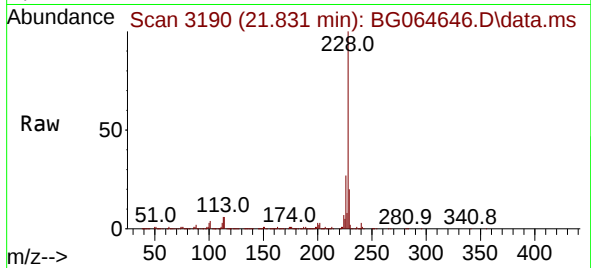
Tgt Ion:149 Resp: 267322
 Ion Ratio Lower Upper
 149 100
 91 73.0 59.2 88.8
 206 23.2 18.1 27.1





#81
Benzo(a)anthracene
Concen: 48.364 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

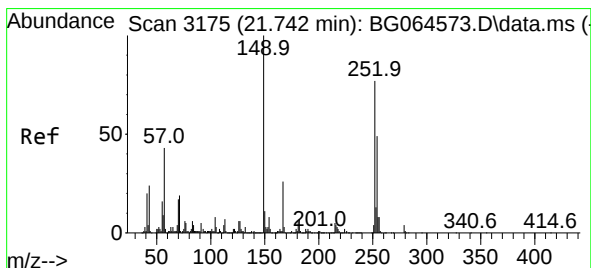
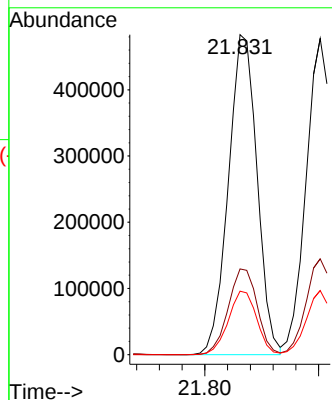
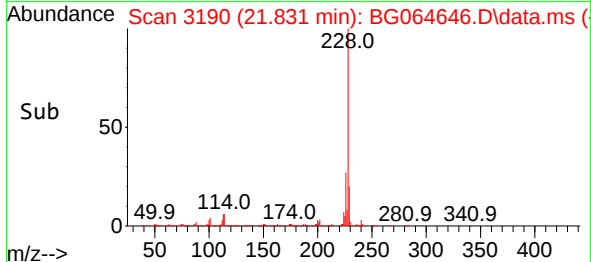
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:228 Resp: 847438
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 19.8 15.6 23.4

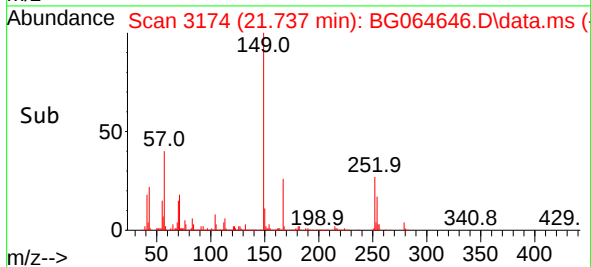
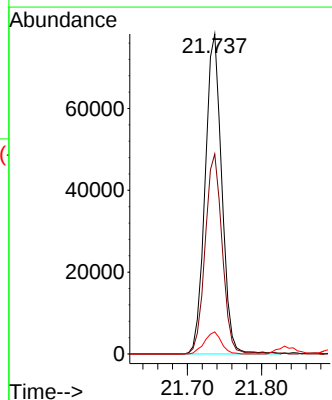
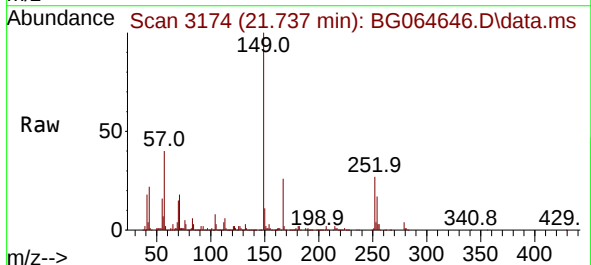
Manual Integrations
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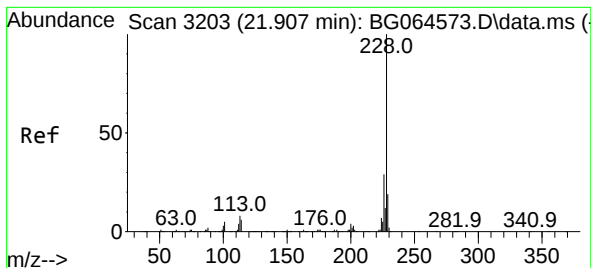
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#82
3,3'-Dichlorobenzidine
Concen: 20.835 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Tgt Ion:252 Resp: 121909
Ion Ratio Lower Upper
252 100
254 62.5 50.8 76.2
126 6.9 5.8 8.6





#83

Chrysene

Concen: 47.167 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

Instrument :

BNA_G

ClientSampleId :

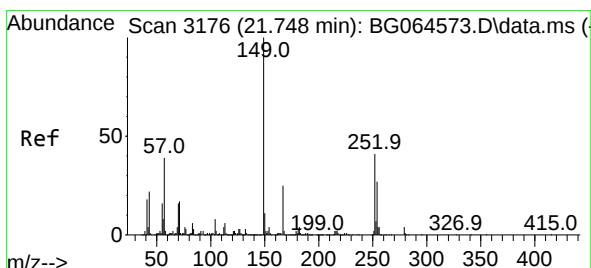
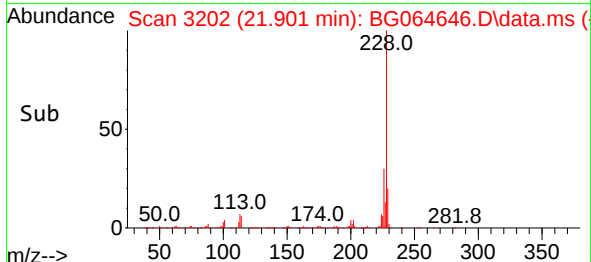
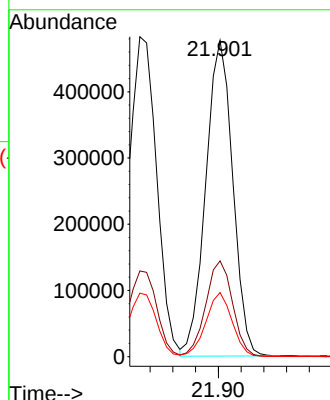
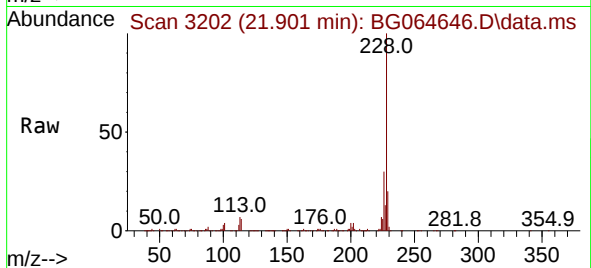
SOUTH-MAHWAH-SOILMS

Tgt Ion:	228	Resp:	78640
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.3	34.9
229	20.3	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: 51.307 ng

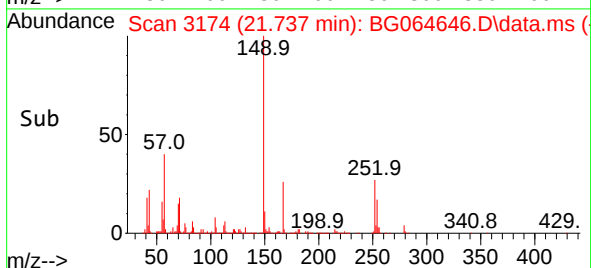
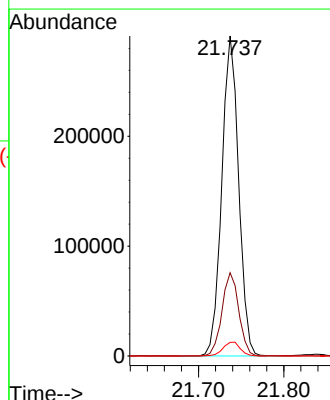
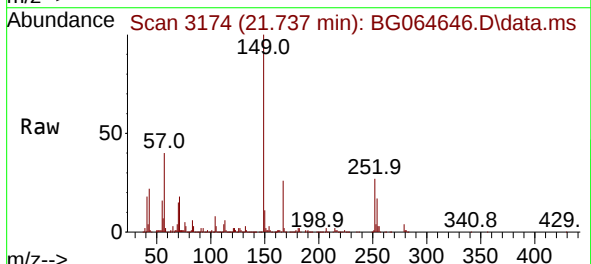
RT: 21.737 min Scan# 3174

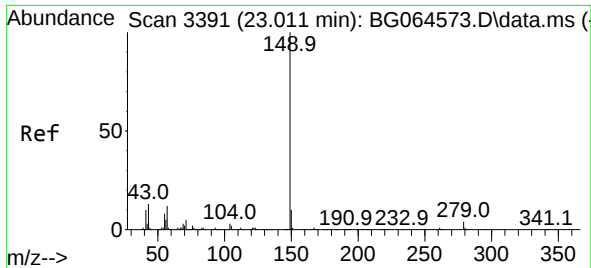
Delta R.T. -0.011 min

Lab File: BG064646.D

Acq: 30 Oct 2025 18:29

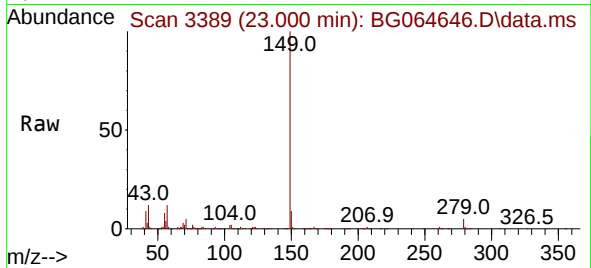
Tgt Ion:	149	Resp:	400062
Ion Ratio	Lower	Upper	
149	100		
167	26.0	20.0	30.0
279	4.2	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 53.567 ng
RT: 23.000 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

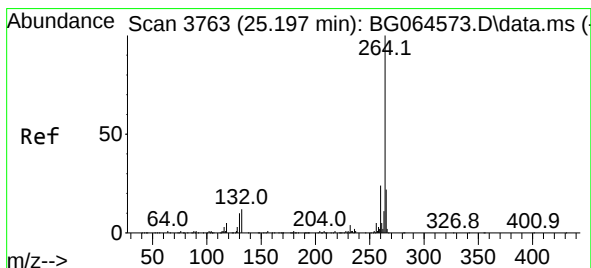
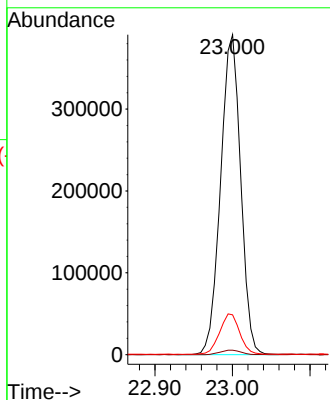
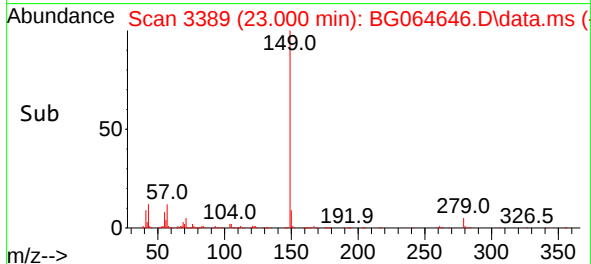
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



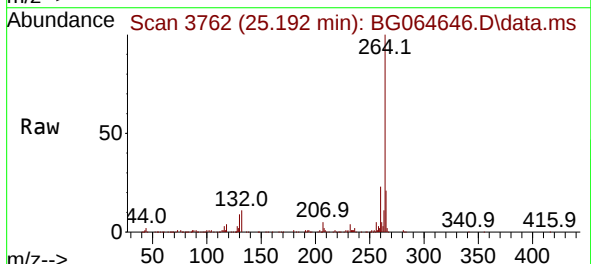
Tgt Ion:149 Resp: 704200
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.8 10.8 16.2

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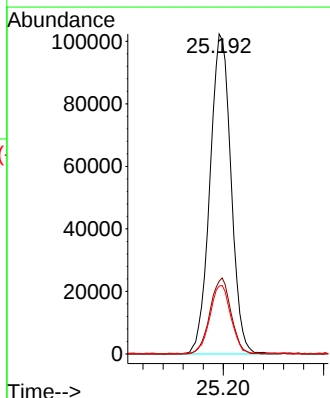
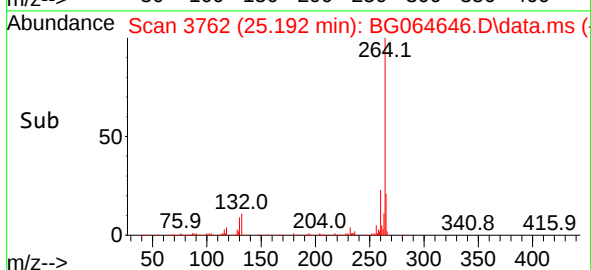
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

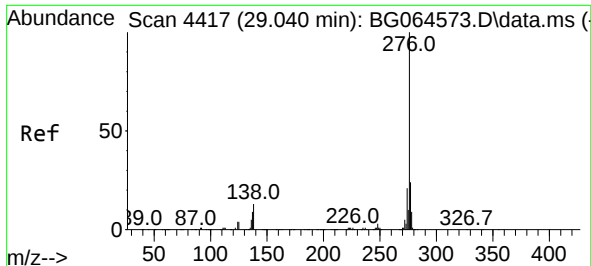


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



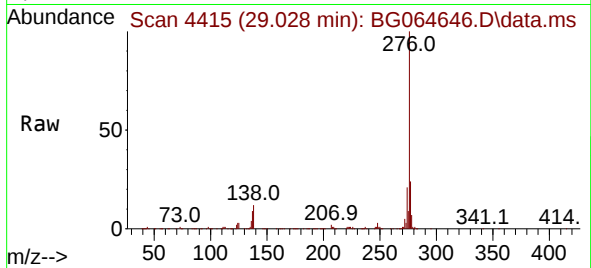
Tgt Ion:264 Resp: 297998
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.4
265 21.2 17.6 26.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 49.131 ng
 RT: 29.028 min Scan# 4417
 Delta R.T. -0.011 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29

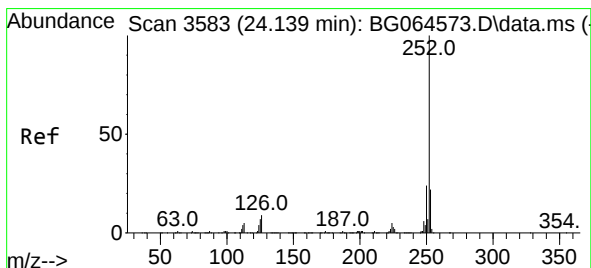
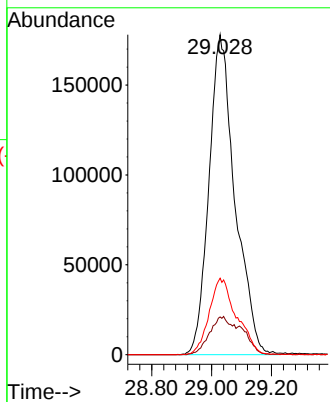
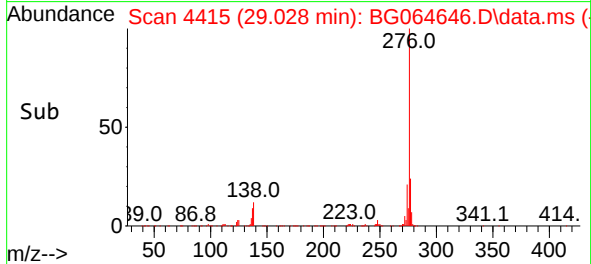
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS



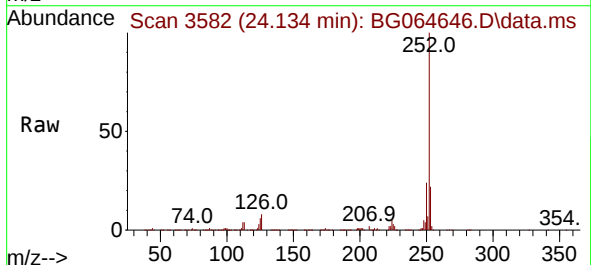
Tgt Ion:276 Resp: 1077040
 Ion Ratio Lower Upper
 276 100
 138 10.5 10.8 16.2
 277 25.1 20.1 30.1

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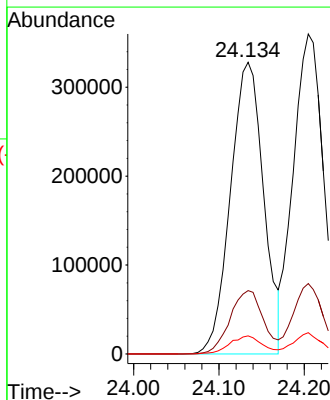
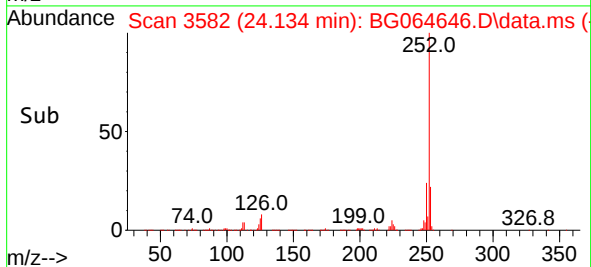
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

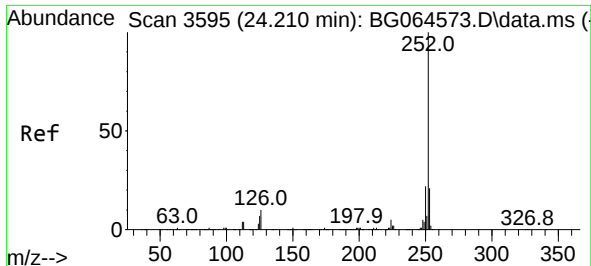


#88
 Benzo(b)fluoranthene
 Concen: 48.554 ng
 RT: 24.134 min Scan# 3582
 Delta R.T. -0.005 min
 Lab File: BG064646.D
 Acq: 30 Oct 2025 18:29



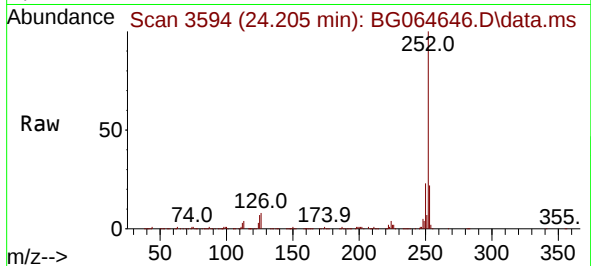
Tgt Ion:252 Resp: 887237
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.8 26.8
 125 6.2 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 48.391 ng
RT: 24.205 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

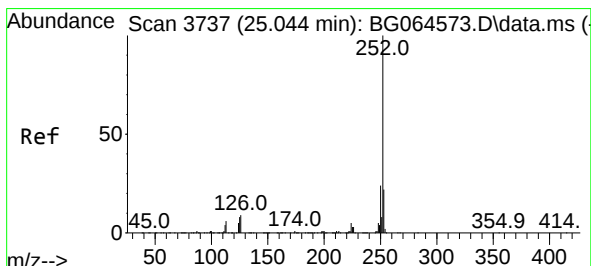
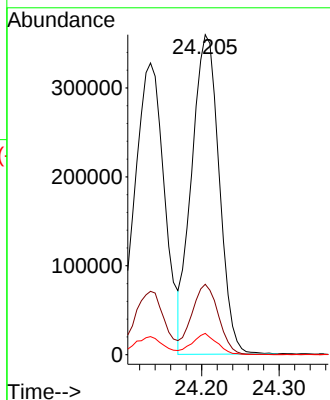
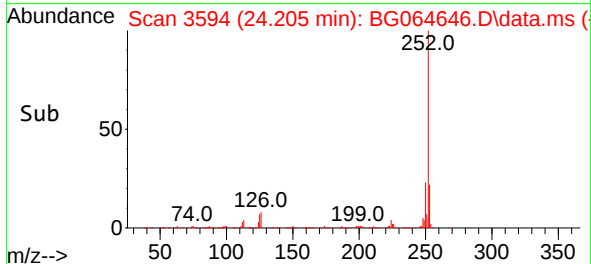
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



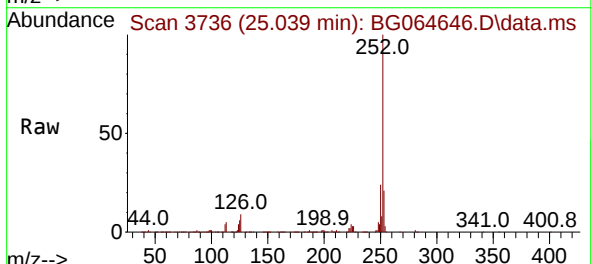
Tgt Ion:252 Resp: 88486
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 6.6 5.4 8.0

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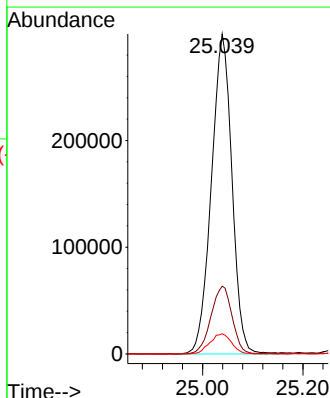
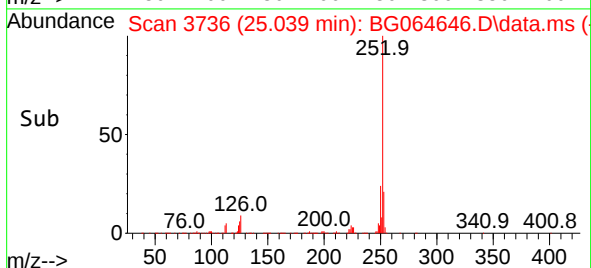
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

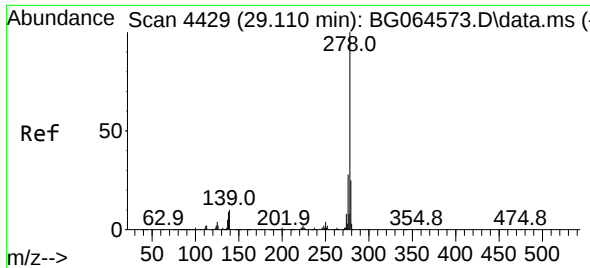


#90
Benzo(a)pyrene
Concen: 50.688 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29



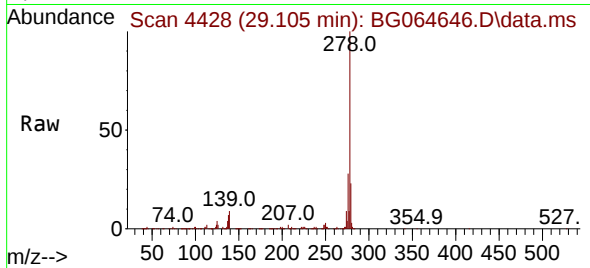
Tgt Ion:252 Resp: 851411
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 6.3 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 49.964 ng
RT: 29.105 min Scan# 4429
Delta R.T. -0.005 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

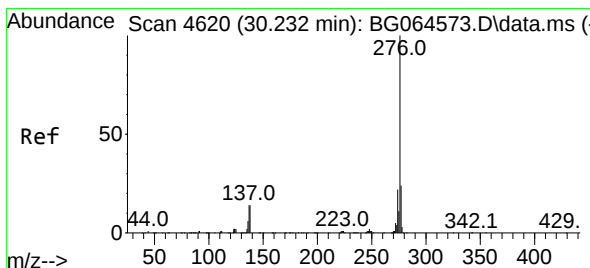
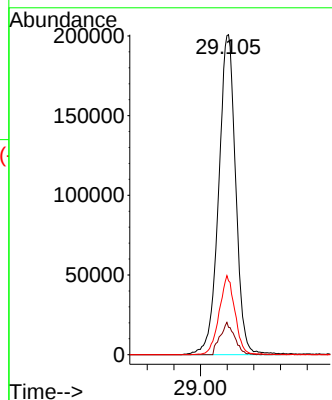
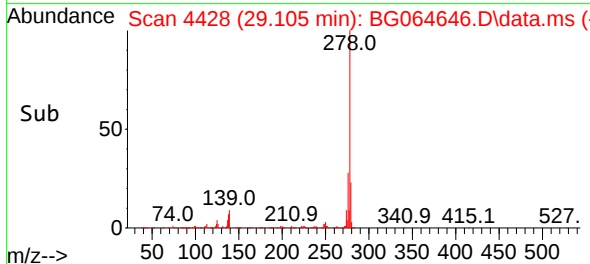
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:278 Resp: 889850
Ion Ratio Lower Upper
278 100
139 8.5 8.0 12.0
279 23.1 19.8 29.6

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



#92
Benzo(g,h,i)perylene
Concen: 49.776 ng
RT: 30.233 min Scan# 4620
Delta R.T. 0.001 min
Lab File: BG064646.D
Acq: 30 Oct 2025 18:29

Tgt Ion:276 Resp: 846851
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 12.8 11.3 16.9

