

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064624.D
 Acq On : 29 Oct 2025 15:31
 Operator : RC/JU
 Sample : Q3477-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS

Quant Time: Nov 04 06:39:49 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

11/04/2025
 Supervised By :mohammad
 ahmed

11/05/2025
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	28985	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	118304	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	90635	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	223021	20.000	ng	0.00
76) Chrysene-d12	21.853	240	264828	20.000	ng	0.00
86) Perylene-d12	25.196	264	294081	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	142331	82.423	ng	0.00
7) Phenol-d6	7.353	99	213979	90.302	ng	0.00
23) Nitrobenzene-d5	9.380	82	129070	65.528	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	135122	103.294	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	313191	52.377	ng	0.00
79) Terphenyl-d14	20.167	244	733389	52.261	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.581	88	33406	43.695	ng	95
3) Pyridine	3.992	79	95785	41.721	ng	94
4) n-Nitrosodimethylamine	3.898	42	63491	51.569	ng	91
6) Aniline	7.529	93	117876	36.558	ng	98
8) 2-Chlorophenol	7.776	128	104160	57.627	ng	99
9) Benzaldehyde	7.335	77	59140	45.716	ng	100
10) Phenol	7.382	94	140120	53.469	ng	97
11) bis(2-Chloroethyl)ether	7.623	93	95205	49.414	ng	99
12) 1,3-Dichlorobenzene	8.105	146	112137	53.903	ng	95
13) 1,4-Dichlorobenzene	8.252	146	112956	53.399	ng	95
14) 1,2-Dichlorobenzene	8.581	146	108970	53.409	ng	99
15) Benzyl Alcohol	8.445	79	109068	55.817	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.745	45	247079	48.889	ng	98
17) 2-Methylphenol	8.645	107	93151	53.538	ng	97
18) Hexachloroethane	9.321	117	41228	55.540	ng	98
19) n-Nitroso-di-n-propyla...	9.021	70	83692	51.106	ng	97
20) 3+4-Methylphenols	8.974	107	127618	52.156	ng	98
22) Acetophenone	9.039	105	171764	53.113	ng	98
24) Nitrobenzene	9.421	77	121929	56.914	ng	98
25) Isophorone	9.955	82	237041	50.153	ng	99
26) 2-Nitrophenol	10.143	139	55632	66.044	ng	# 90
27) 2,4-Dimethylphenol	10.190	122	104976	59.711	ng	98
28) bis(2-Chloroethoxy)met...	10.431	93	134040	49.810	ng	98
29) 2,4-Dichlorophenol	10.678	162	106626	56.356	ng	98
30) 1,2,4-Trichlorobenzene	10.901	180	119735	55.698	ng	99
31) Naphthalene	11.095	128	330368	50.367	ng	99
32) Benzoic acid	10.320	122	89518	63.839	ng	92
33) 4-Chloroaniline	11.183	127	63172	24.779	ng	99
34) Hexachlorobutadiene	11.389	225	91193	54.243	ng	98
35) Caprolactam	11.947	113	37768m	52.046	ng	
36) 4-Chloro-3-methylphenol	12.294	107	126440	55.597	ng	99
37) 2-Methylnaphthalene	12.688	142	223174	46.343	ng	97
38) 1-Methylnaphthalene	12.905	142	230958	48.446	ng	95
40) 1,2,4,5-Tetrachloroben...	13.052	216	172647	56.759	ng	99
41) Hexachlorocyclopentadiene	13.034	237	231950	169.415	ng	99
43) 2,4,6-Trichlorophenol	13.275	196	108348	62.272	ng	93

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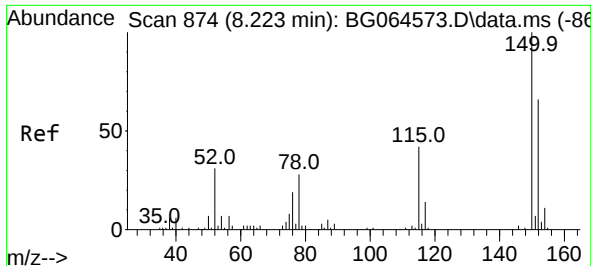
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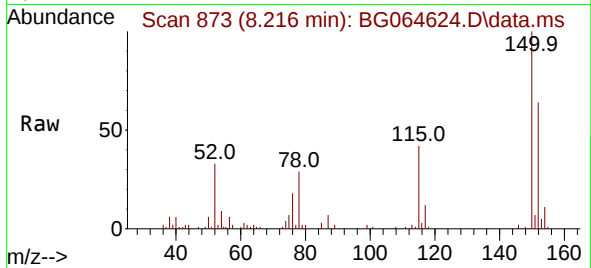
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.346	196	118844	59.189	ng	98	11/04/2025
46) 1,1'-Biphenyl	13.681	154	351379	54.532	ng	98	Supervised By :mohammad ahmed
47) 2-Chloronaphthalene	13.722	162	253161	52.050	ng	98	
48) 2-Nitroaniline	13.910	65	96708	58.474	ng	94	
49) Acenaphthylene	14.568	152	452198	58.943	ng	99	
50) Dimethylphthalate	14.286	163	360615	51.996	ng	97	
51) 2,6-Dinitrotoluene	14.397	165	72296	62.167	ng	95	11/05/2025
52) Acenaphthene	14.903	154	309699	59.087	ng	99	
53) 3-Nitroaniline	14.726	138	47973	40.250	ng	# 98	
54) 2,4-Dinitrophenol	14.932	184	102510	141.388	ng	# 34	
55) Dibenzofuran	15.238	168	434287	51.250	ng	99	
56) 4-Nitrophenol	15.020	139	143139	129.533	ng	96	
57) 2,4-Dinitrotoluene	15.179	165	106219	59.269	ng	# 99	
58) Fluorene	15.884	166	340194	51.406	ng	99	
59) 2,3,4,6-Tetrachlorophenol	15.455	232	123971	64.568	ng	99	
60) Diethylphthalate	15.643	149	365128	51.562	ng	99	
61) 4-Chlorophenyl-phenyle...	15.872	204	190886	51.398	ng	97	
62) 4-Nitroaniline	15.884	138	83324	62.839	ng	95	
63) Azobenzene	16.166	77	357643	55.044	ng	98	
65) 4,6-Dinitro-2-methylph...	15.943	198	70501	69.145	ng	96	
66) n-Nitrosodiphenylamine	16.078	169	316466	52.531	ng	99	
67) 4-Bromophenyl-phenylether	16.765	248	142089	53.763	ng	98	
68) Hexachlorobenzene	16.889	284	158302	52.503	ng	98	
69) Atrazine	17.018	200	152826	58.949	ng	97	
70) Pentachlorophenol	17.223	266	229672	122.155	ng	95	
71) Phenanthrene	17.623	178	635196	52.082	ng	99	
72) Anthracene	17.711	178	640607	51.635	ng	99	
73) Carbazole	17.970	167	586605	53.620	ng	99	
74) Di-n-butylphthalate	18.528	149	677589	53.561	ng	99	
75) Fluoranthene	19.615	202	820802	53.722	ng	99	
77) Benzidine	19.779	184	335470	56.541	ng	99	
78) Pyrene	19.973	202	845932	48.891	ng	100	
80) Butylbenzylphthalate	20.849	149	315774	60.384	ng	98	
81) Benzo(a)anthracene	21.836	228	946961	53.928	ng	99	
82) 3,3'-Dichlorobenzidine	21.736	252	175979	30.012	ng	98	
83) Chrysene	21.900	228	878221	52.562	ng	97	
84) Bis(2-ethylhexyl)phtha...	21.742	149	461198	59.022	ng	98	
85) Di-n-octyl phthalate	22.999	149	791535	60.081	ng	99	
87) Indeno(1,2,3-cd)pyrene	29.033	276	1143062	52.837	ng	98	
88) Benzo(b)fluoranthene	24.139	252	936096	51.910	ng	98	
89) Benzo(k)fluoranthene	24.203	252	962350	53.329	ng	98	
90) Benzo(a)pyrene	25.044	252	902072	54.420	ng	98	
91) Dibenzo(a,h)anthracene	29.104	278	937593	53.346	ng	98	
92) Benzo(g,h,i)perylene	30.232	276	905766	53.948	ng	99	

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



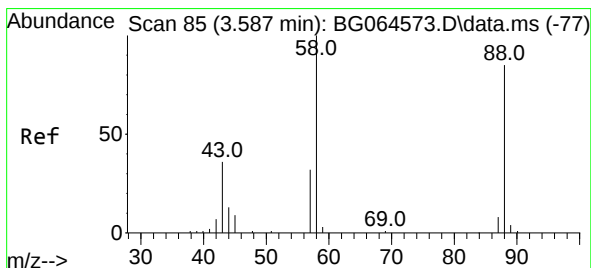
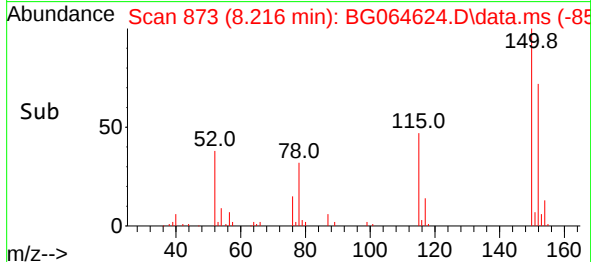
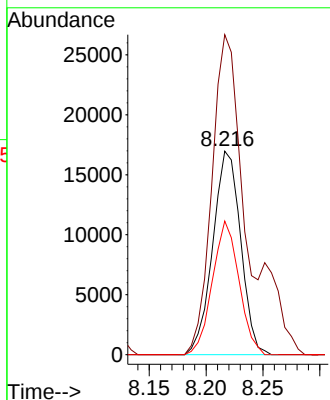
Tgt Ion:152 Resp: 2898
Ion Ratio Lower Upper
152 100
150 157.2 122.2 183.4
115 65.6 50.8 76.2

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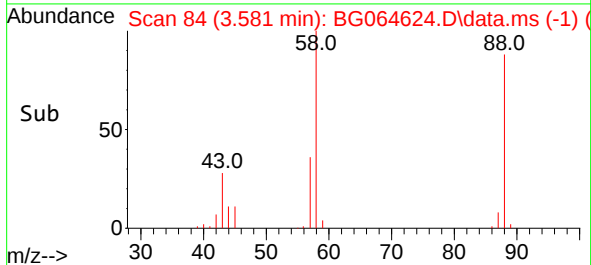
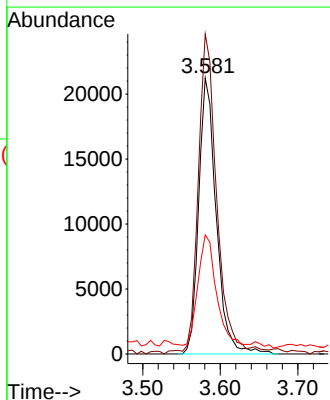
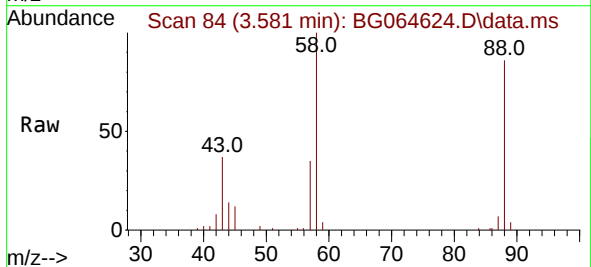
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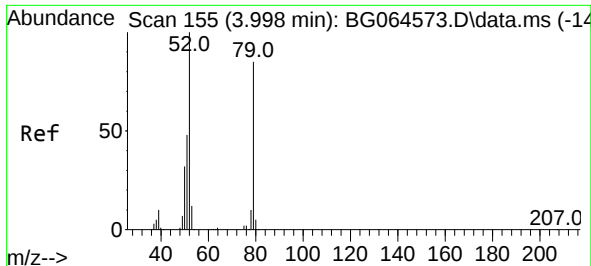
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#2
1,4-Dioxane
Concen: 43.695 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

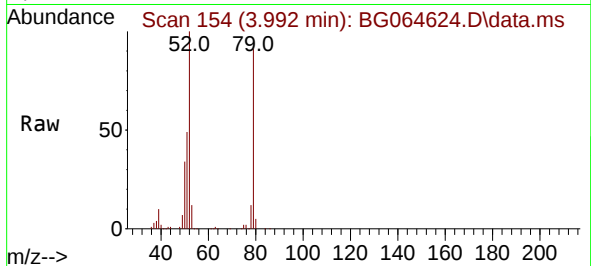
Tgt Ion: 88 Resp: 33406
Ion Ratio Lower Upper
88 100
58 123.2 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 41.721 ng
RT: 3.992 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



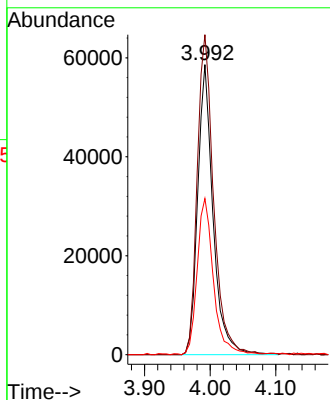
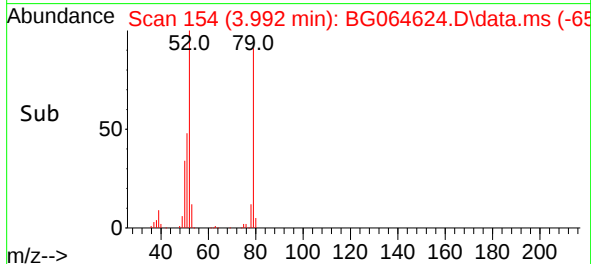
Tgt Ion: 79 Resp: 9578
Ion Ratio Lower Upper
79 100
52 110.3 94.2 141.2
51 53.8 46.1 69.1

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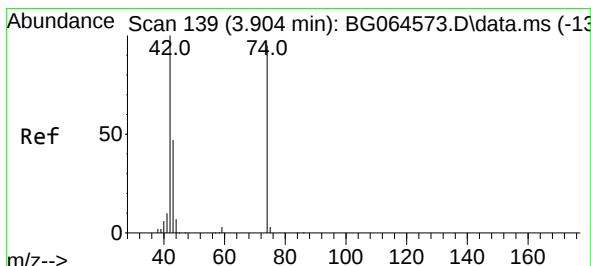
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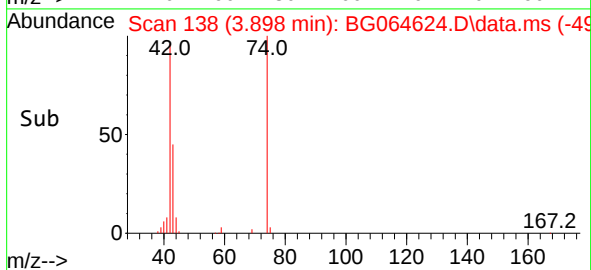
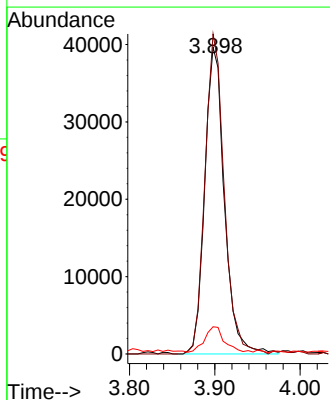
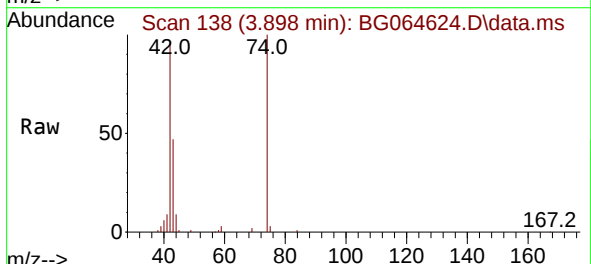


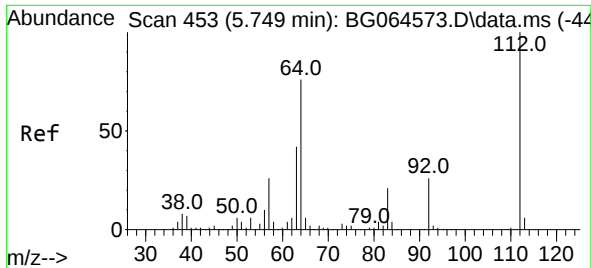
11/05/2025



#4
n-Nitrosodimethylamine
Concen: 51.569 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Tgt Ion: 42 Resp: 63491
Ion Ratio Lower Upper
42 100
74 104.3 76.1 114.1
44 8.9 6.3 9.5





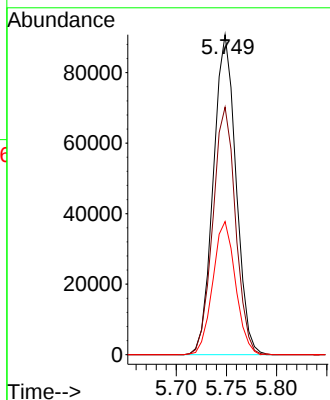
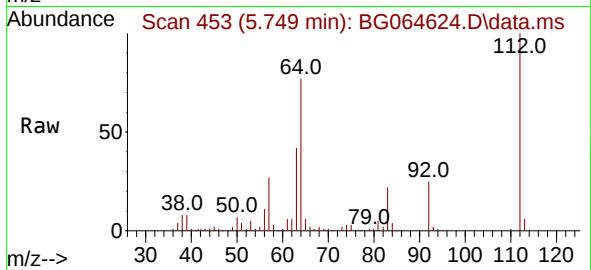
#5
2-Fluorophenol
Concen: 82.423 ng
RT: 5.749 min Scan# 453
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion:112 Resp: 14233
Ion Ratio Lower Upper
112 100
64 77.4 60.7 91.1
63 41.6 33.4 50.0

Manual Integrations
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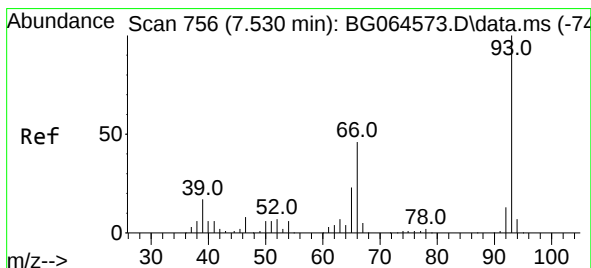
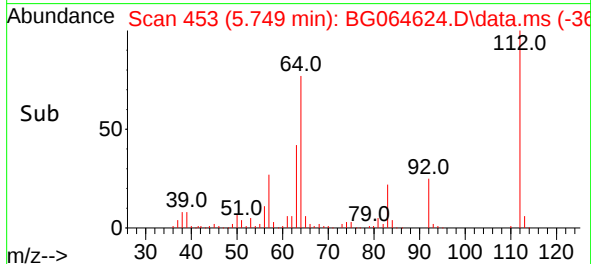
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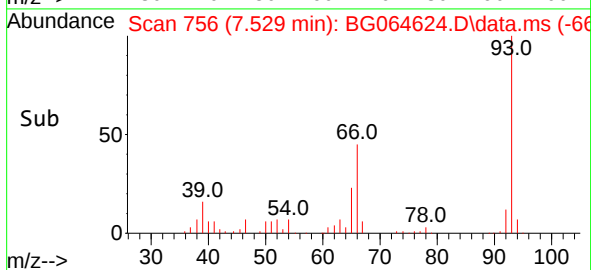
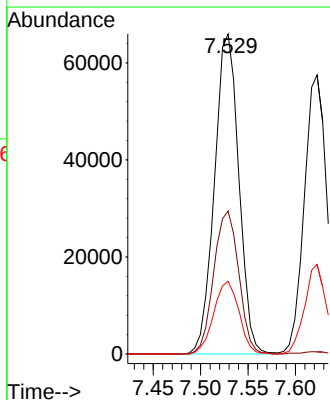
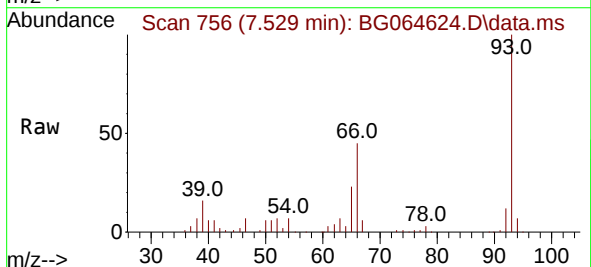
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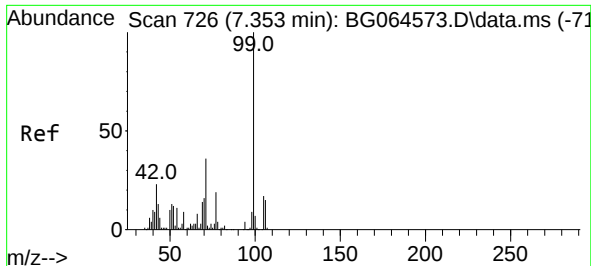
11/05/2025



#6
Aniline
Concen: 36.558 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

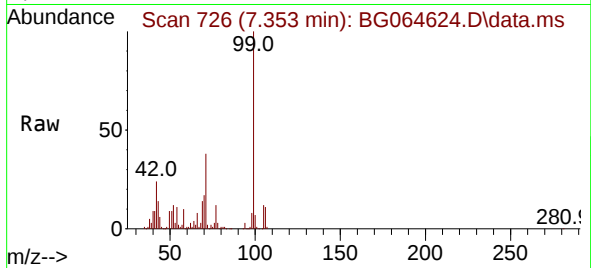
Tgt Ion: 93 Resp: 117876
Ion Ratio Lower Upper
93 100
66 44.6 37.0 55.6
65 22.7 18.3 27.5





#7
Phenol-d6
Concen: 90.302 ng
RT: 7.353 min Scan# 726
Delta R.T. -0.001 min
Lab File: BG064624.D
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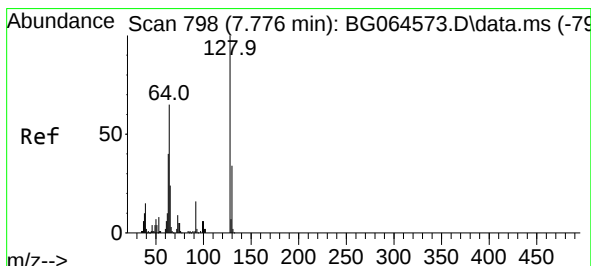
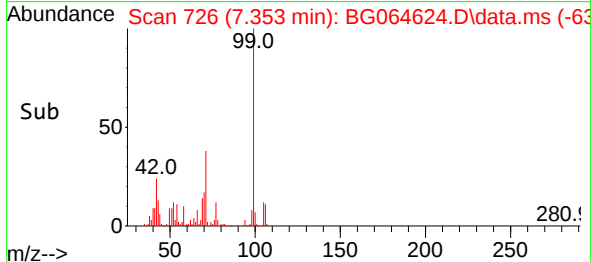
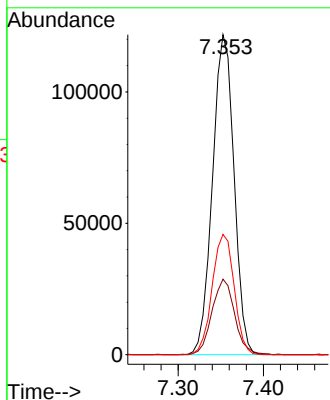
Tgt Ion: 99 Resp: 213979
Ion Ratio Lower Upper
99 100
42 23.6 18.3 27.5
71 37.6 28.6 43.0

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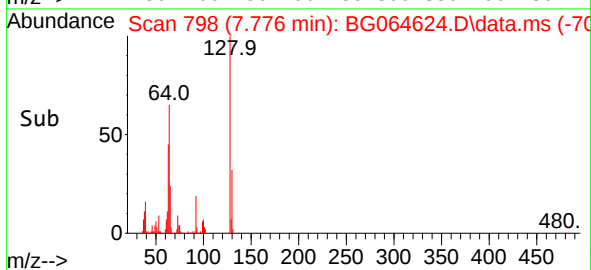
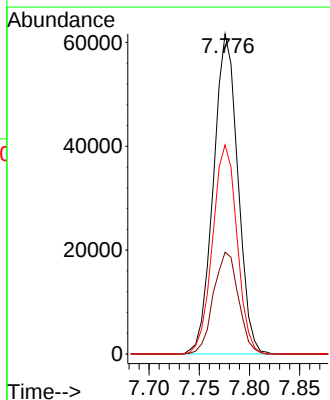
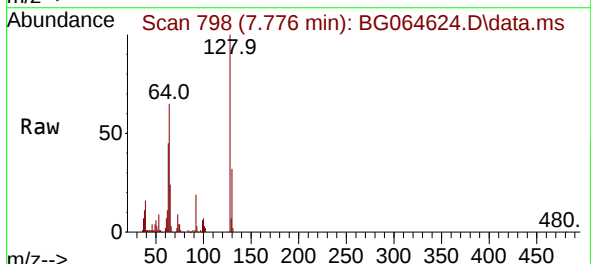
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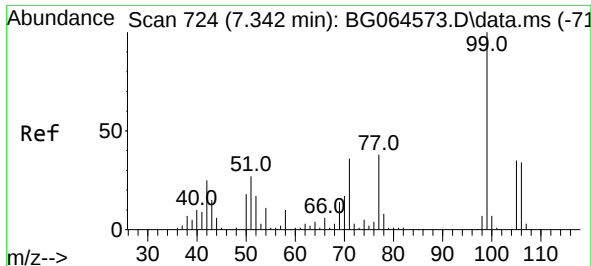
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#8
2-Chlorophenol
Concen: 57.627 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

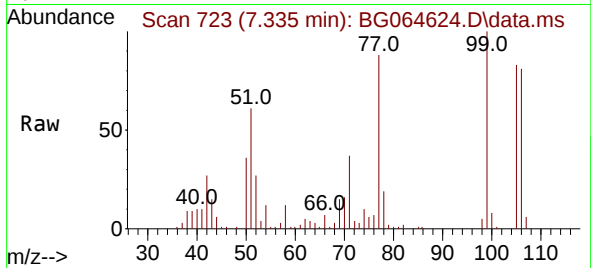
Tgt Ion:128 Resp: 104160
Ion Ratio Lower Upper
128 100
130 31.8 13.5 53.5
64 65.3 45.2 85.2





#9
Benzaldehyde
Concen: 45.716 ng
RT: 7.335 min Scan# 714
Delta R.T. -0.007 min
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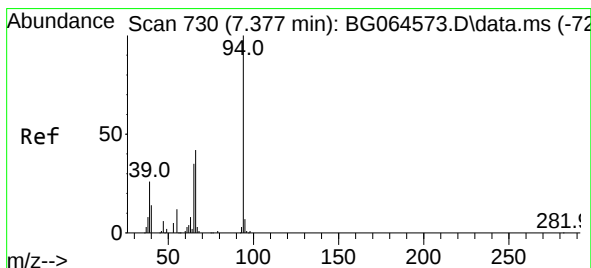
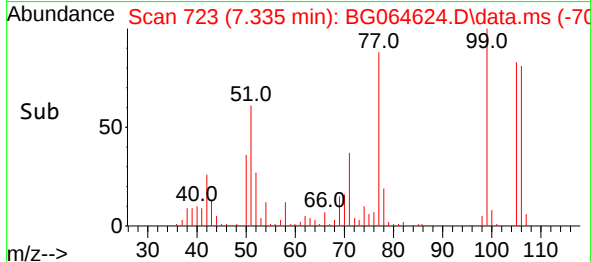
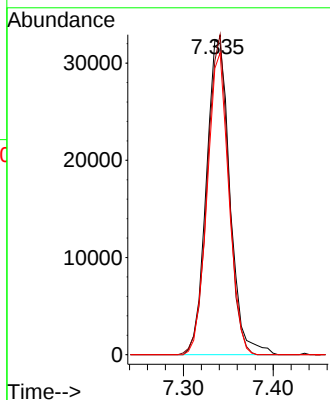
Tgt Ion: 77 Resp: 59140
Ion Ratio Lower Upper
77 100
105 93.5 72.9 112.9
106 91.1 70.8 110.8

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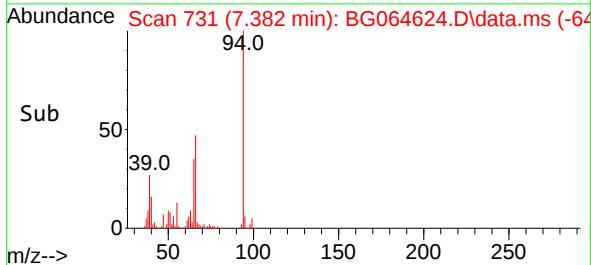
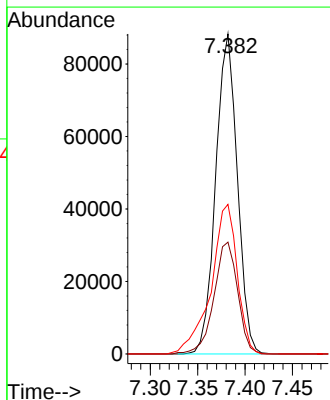
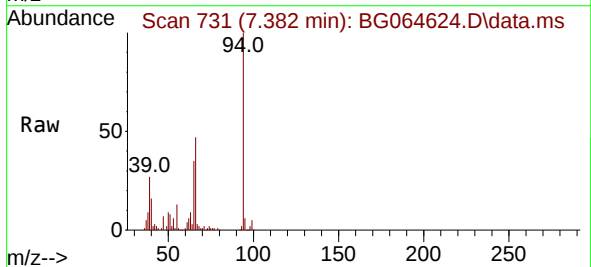
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#10
Phenol
Concen: 53.469 ng
RT: 7.382 min Scan# 731
Delta R.T. 0.005 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

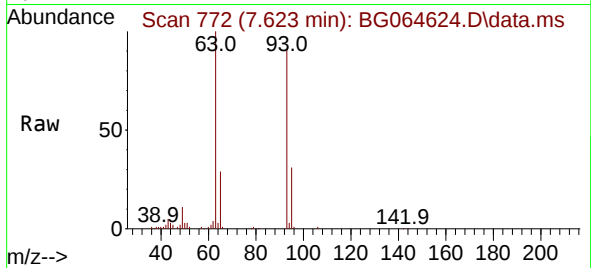
Tgt Ion: 94 Resp: 140120
Ion Ratio Lower Upper
94 100
65 35.0 15.8 55.8
66 46.8 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 49.414 ng
RT: 7.623 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



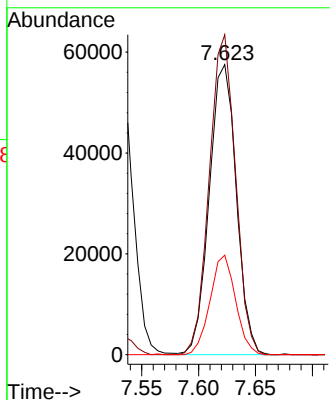
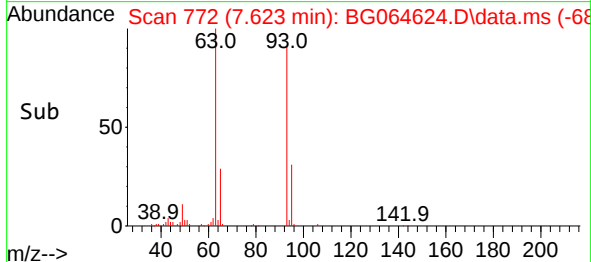
Tgt Ion: 93 Resp: 9520
Ion Ratio Lower Upper
93 100
63 110.3 91.3 131.3
95 34.3 13.3 53.3

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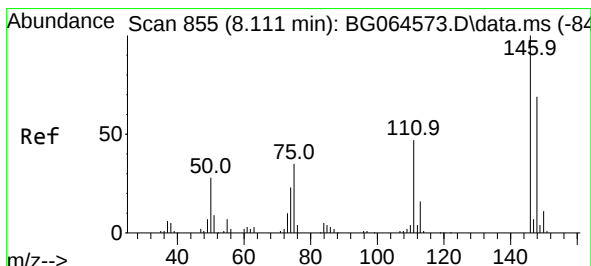
Reviewed By :Jagrut Upadhyay 11/04/2025
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ahmed

11/05/2025
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ahmed

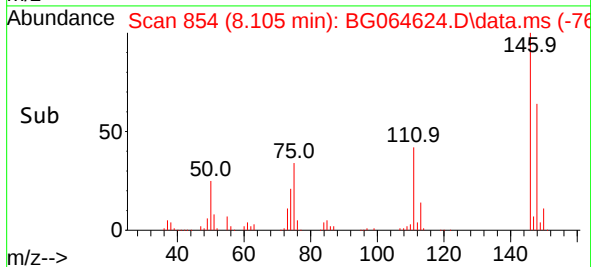
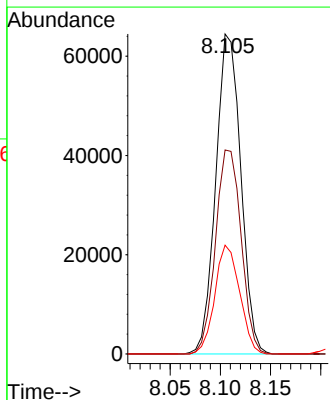
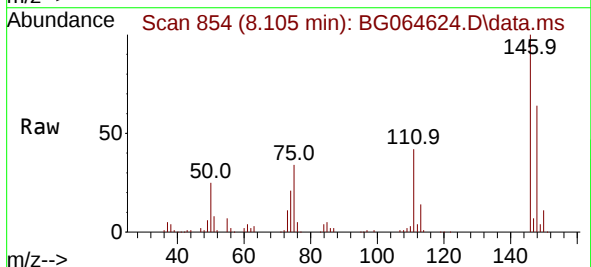


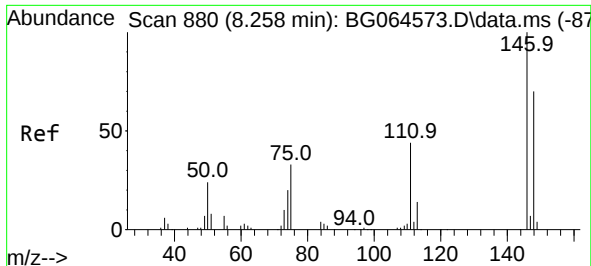
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#12
1,3-Dichlorobenzene
Concen: 53.903 ng
RT: 8.105 min Scan# 854
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Tgt Ion:146 Resp: 112137
Ion Ratio Lower Upper
146 100
148 63.7 55.3 82.9
75 34.0 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 53.399 ng

RT: 8.252 min Scan# 81

Delta R.T. -0.007 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

Tgt Ion:146 Resp: 112950

Ion Ratio Lower Upper

146 100

148 64.6 56.2 84.4

111 44.8 35.4 53.0

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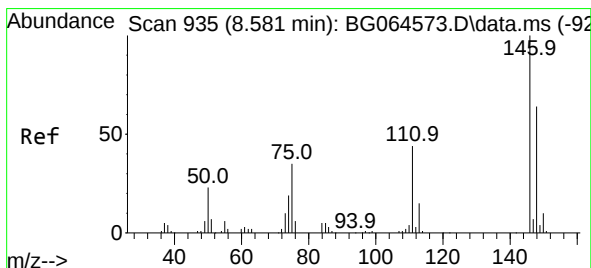
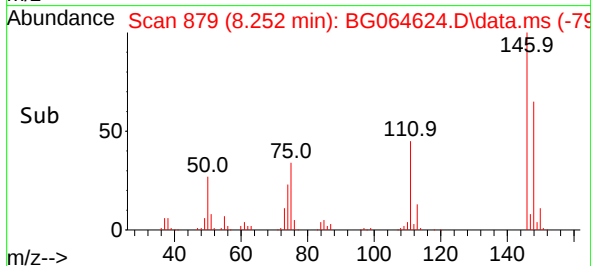
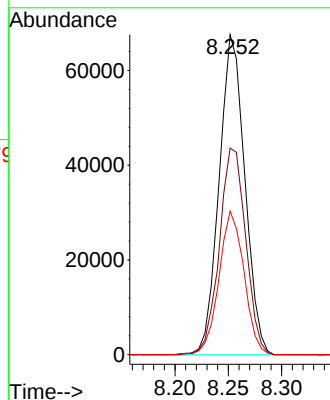
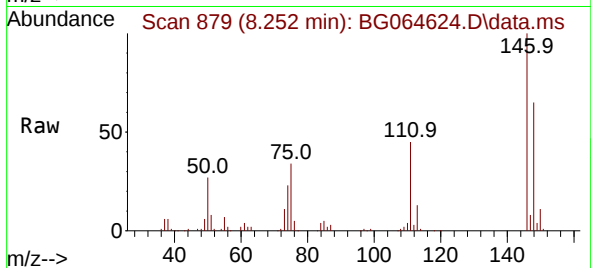
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ahmed

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ahmed

11/05/2025



#14

1,2-Dichlorobenzene

Concen: 53.409 ng

RT: 8.581 min Scan# 935

Delta R.T. -0.001 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

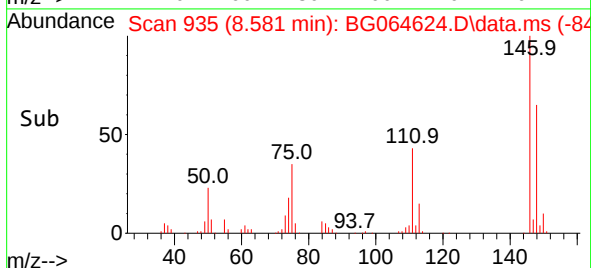
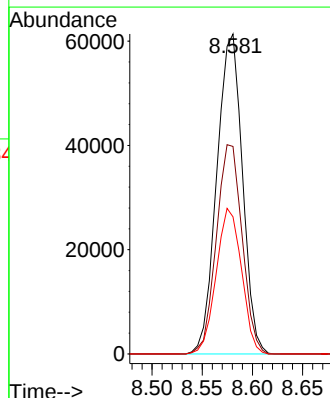
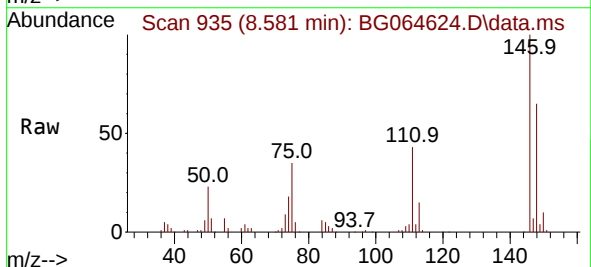
Tgt Ion:146 Resp: 108970

Ion Ratio Lower Upper

146 100

148 64.8 51.5 77.3

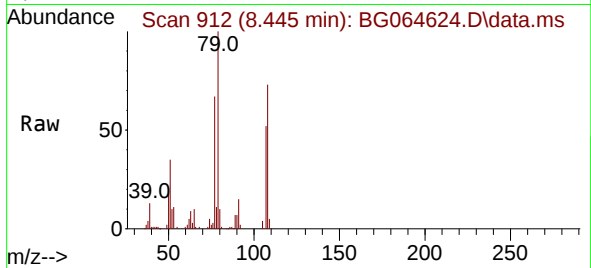
111 42.9 35.0 52.6





#15
Benzyl Alcohol
Concen: 55.817 ng
RT: 8.445 min Scan# 912
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



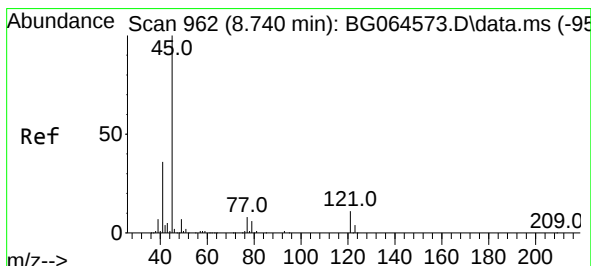
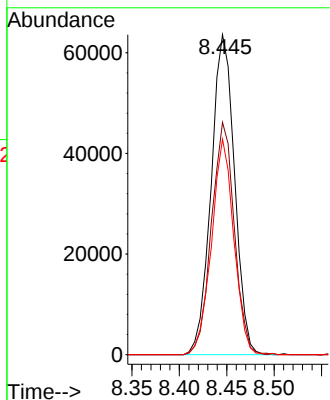
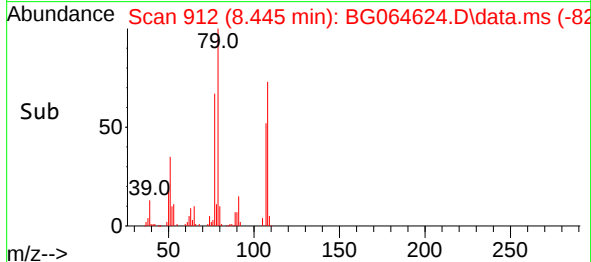
Tgt Ion: 79 Resp: 109068
Ion Ratio Lower Upper
79 100
108 72.6 58.1 87.1
77 67.4 52.8 79.2

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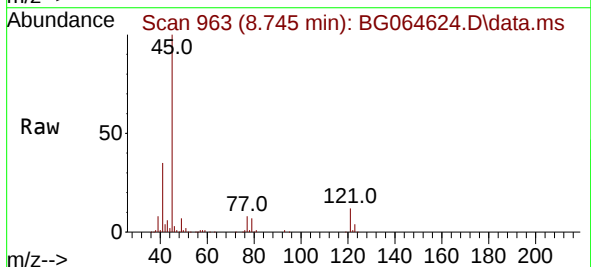
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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Supervised By :mohammad
ahmed

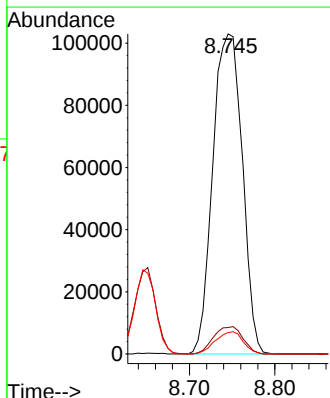
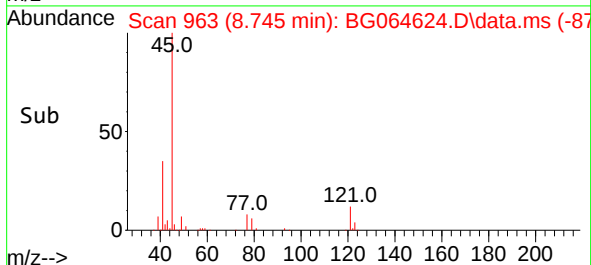
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ahmed



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.889 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



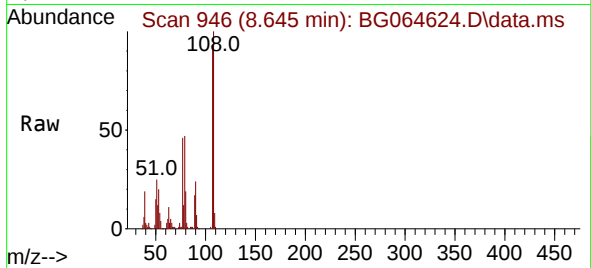
Tgt Ion: 45 Resp: 247079
Ion Ratio Lower Upper
45 100
77 8.2 0.0 28.5
79 6.7 0.0 25.6





#17
2-Methylphenol
Concen: 53.538 ng
RT: 8.645 min Scan# 947
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



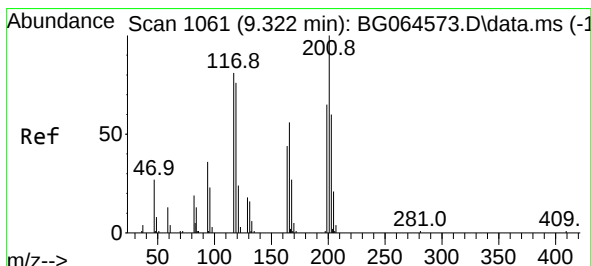
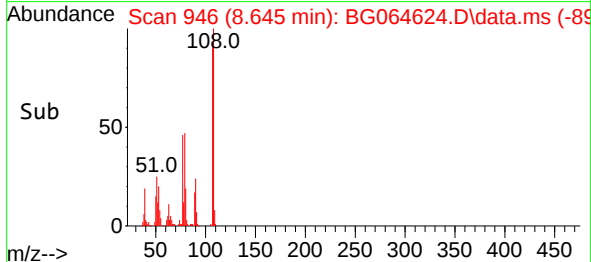
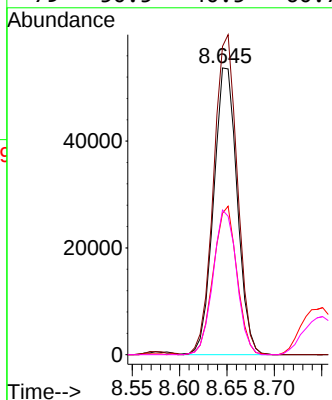
Tgt Ion:107 Resp: 9315
Ion Ratio Lower Upper
107 100
108 107.5 90.0 135.0
77 49.3 37.8 56.8
79 50.5 40.5 60.7

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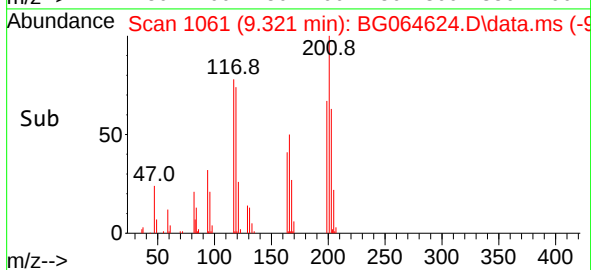
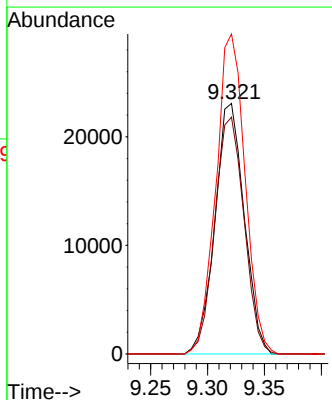
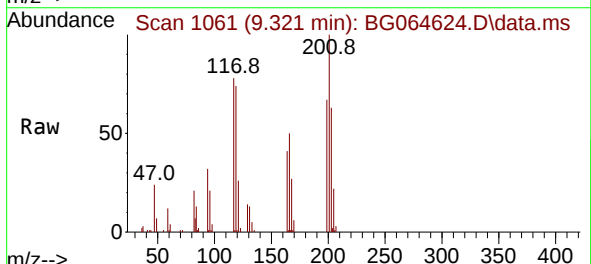
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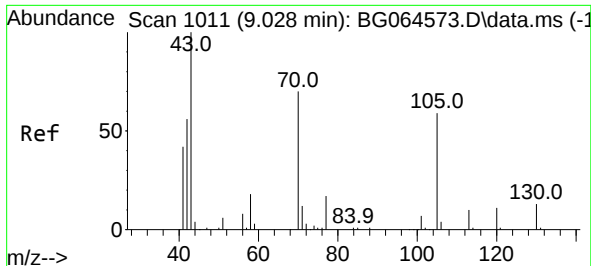
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#18
Hexachloroethane
Concen: 55.540 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

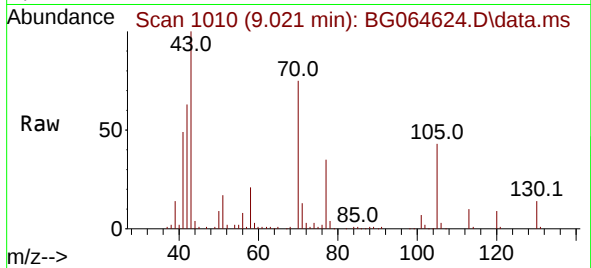
Tgt Ion:117 Resp: 41228
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.2
201 127.7 99.2 148.8





#19
n-Nitroso-di-n-propylamine
Concen: 51.106 ng
RT: 9.021 min Scan# 1011
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



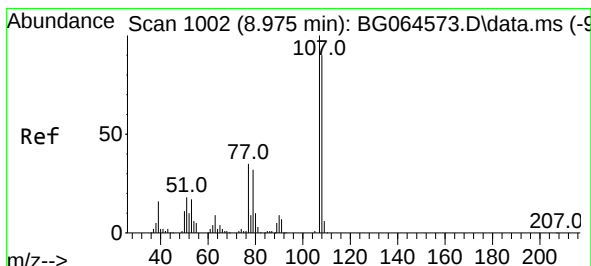
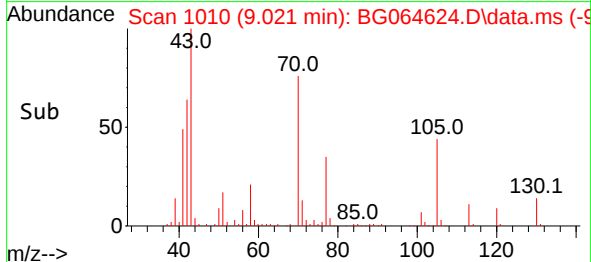
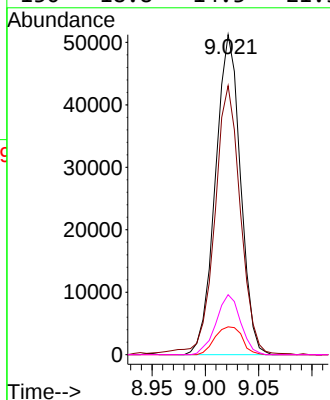
Tgt Ion: 70 Resp: 83692
Ion Ratio Lower Upper
70 100
42 84.0 65.2 97.8
101 8.7 7.9 11.9
130 18.8 14.3 21.5

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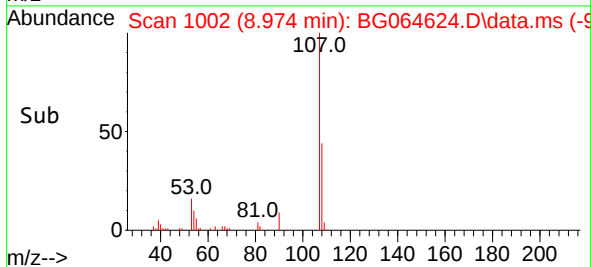
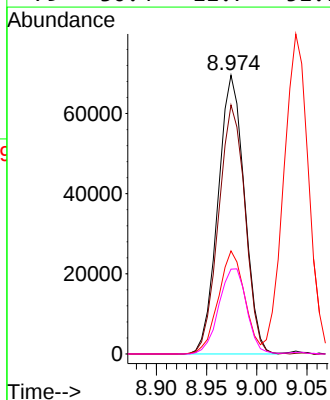
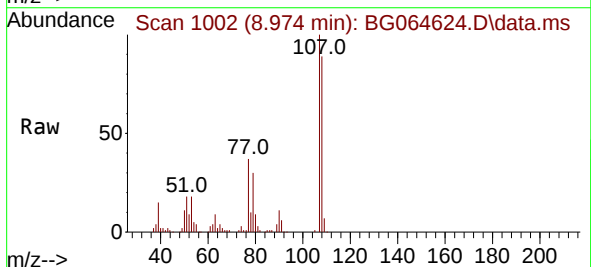
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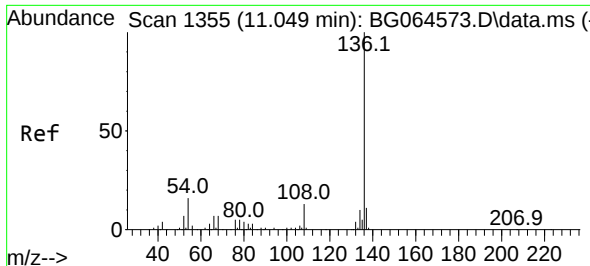
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#20
3+4-Methylphenols
Concen: 52.156 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

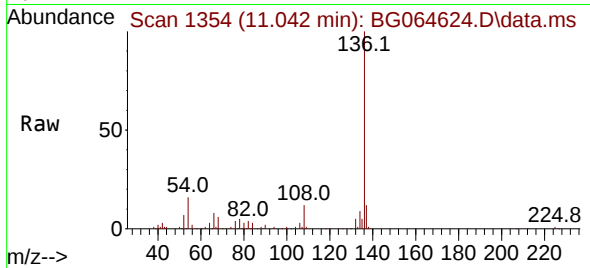
Tgt Ion:107 Resp: 127618
Ion Ratio Lower Upper
107 100
108 89.3 70.3 110.3
77 37.0 14.6 54.6
79 30.4 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 1104
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



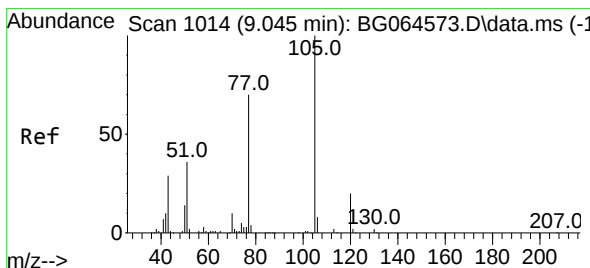
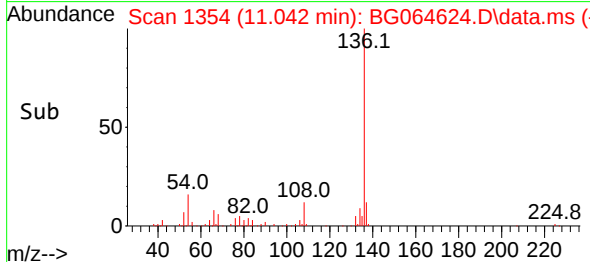
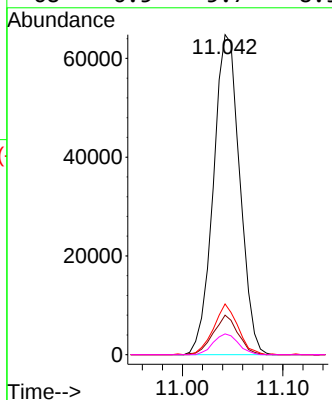
Tgt Ion:136 Resp: 118304
Ion Ratio Lower Upper
136 100
137 12.4 9.2 13.8
54 15.8 12.6 19.0
68 6.5 5.7 8.5

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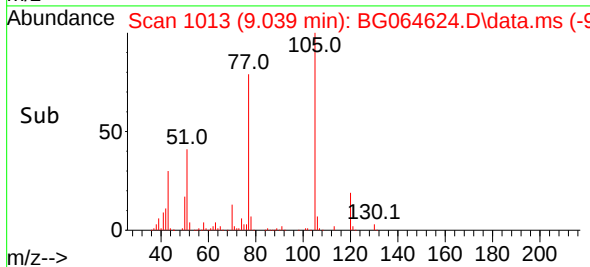
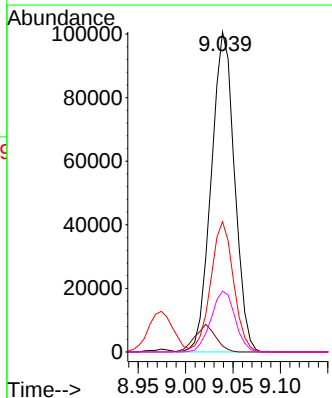
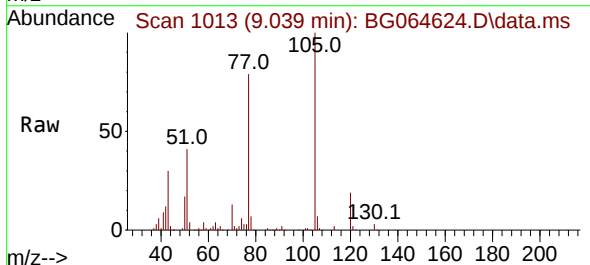
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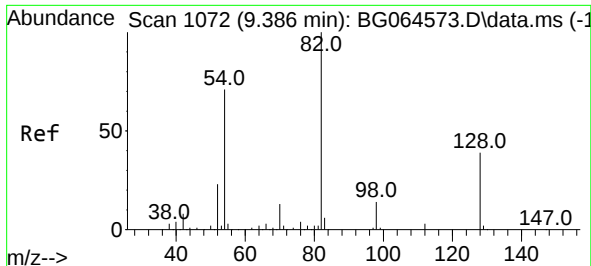
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#22
Acetophenone
Concen: 53.113 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

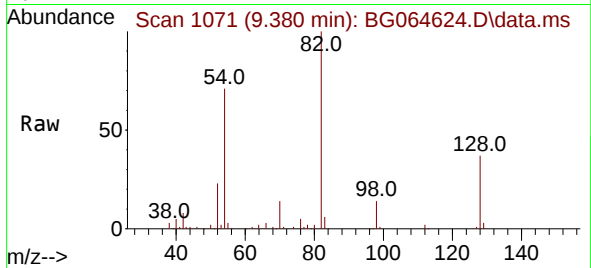
Tgt Ion:105 Resp: 171764
Ion Ratio Lower Upper
105 100
71 1.9 1.5 2.3
51 40.7 33.7 50.5
120 19.0 16.1 24.1





#23
Nitrobenzene-d5
Concen: 65.528 ng
RT: 9.380 min Scan# 1072
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

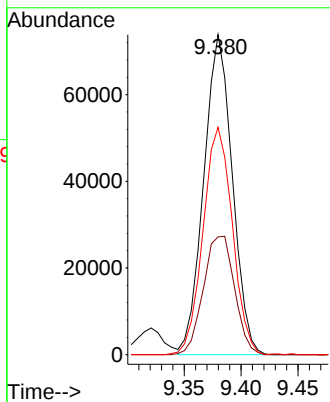
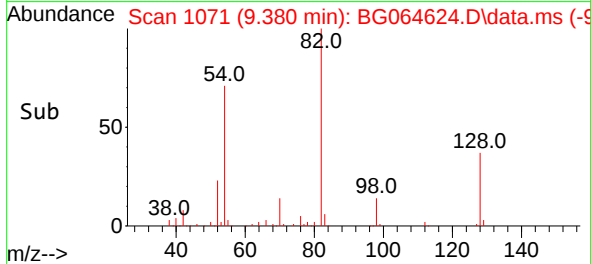
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion: 82 Resp: 129070
Ion Ratio Lower Upper
82 100
128 36.8 31.3 46.9
54 71.0 56.6 84.8

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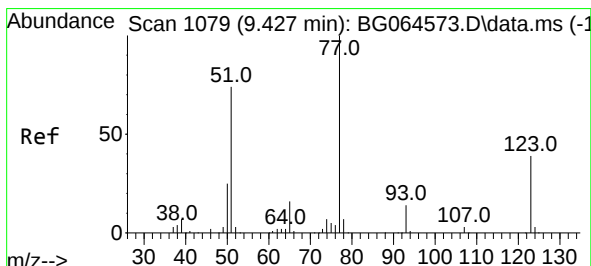
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



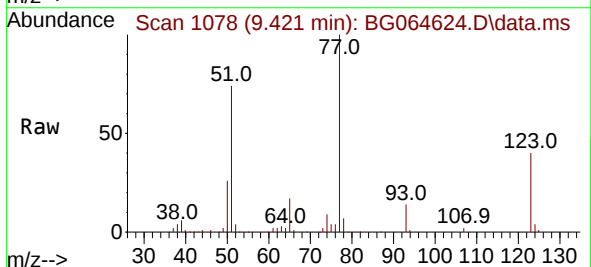
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ahmed

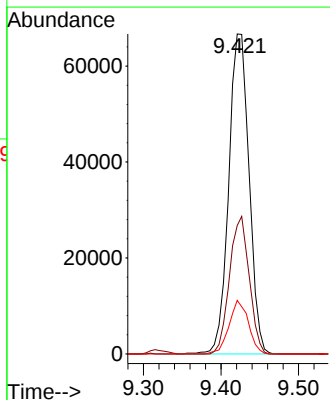
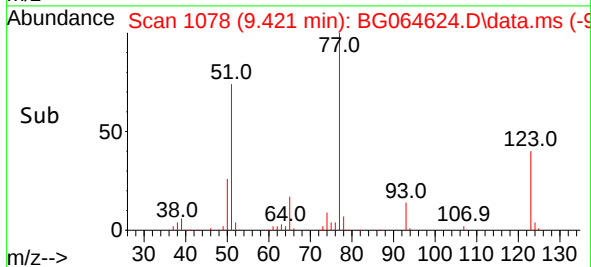
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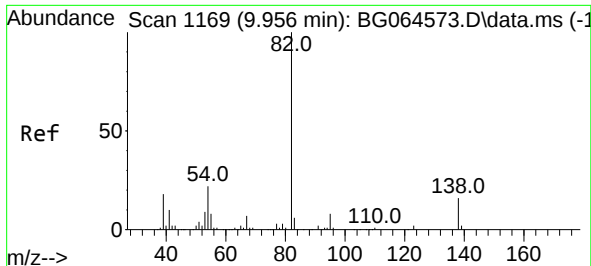


#24
Nitrobenzene
Concen: 56.914 ng
RT: 9.421 min Scan# 1078
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



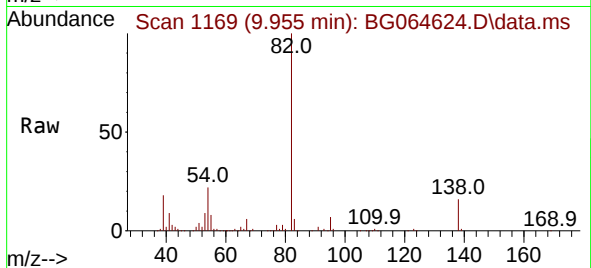
Tgt Ion: 77 Resp: 121929
Ion Ratio Lower Upper
77 100
123 40.2 31.0 46.6
65 16.7 12.7 19.1





#25
Isophorone
Concen: 50.153 ng
RT: 9.955 min Scan# 1169
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

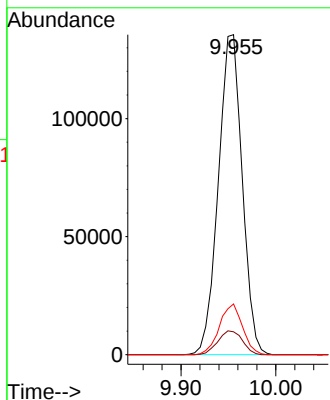
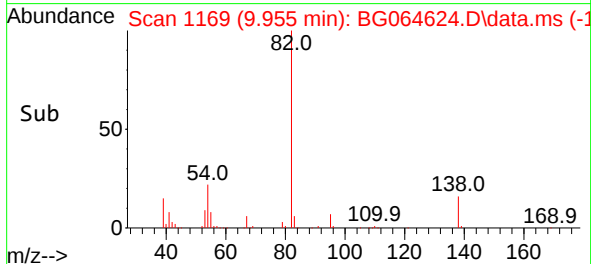
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion: 82 Resp: 23704
Ion Ratio Lower Upper
82 100
95 7.2 6.1 9.1
138 15.8 13.0 19.4

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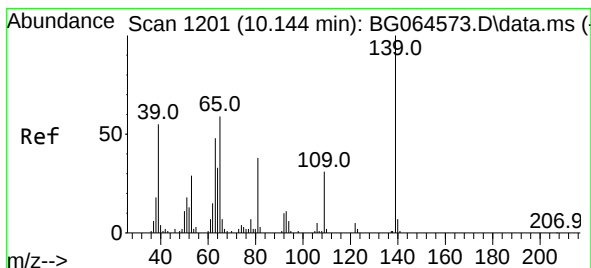
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



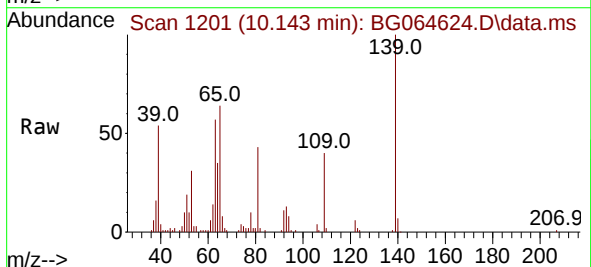
11/04/2025
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ahmed

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ahmed

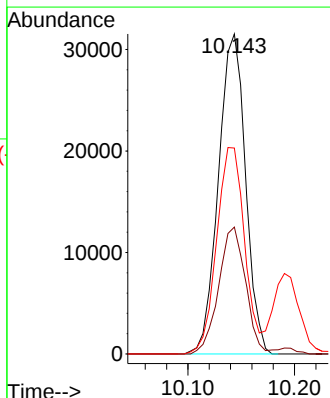
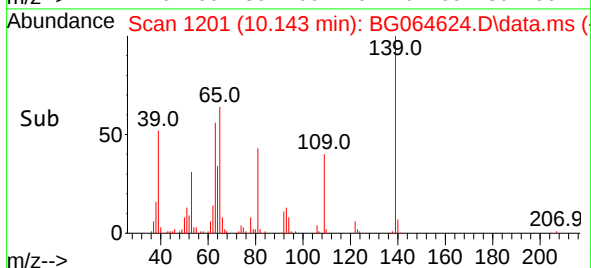
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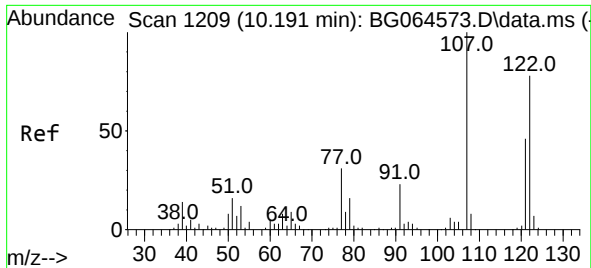


#26
2-Nitrophenol
Concen: 66.044 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



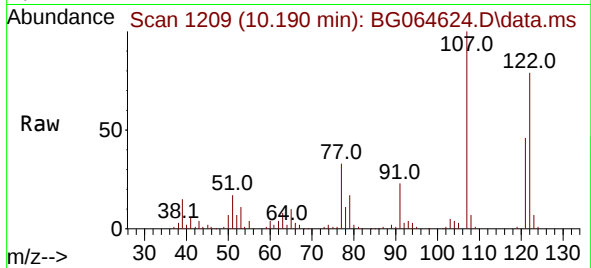
Tgt Ion:139 Resp: 55632
Ion Ratio Lower Upper
139 100
109 39.7 24.6 37.0#
65 64.3 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 59.711 ng
RT: 10.190 min Scan# 1209
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



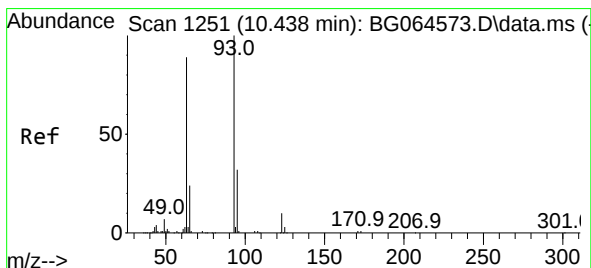
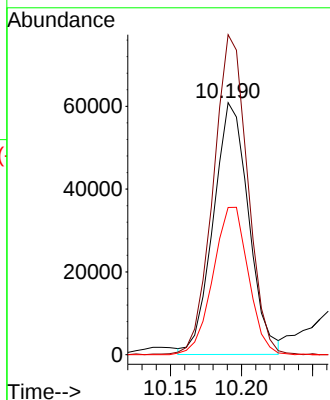
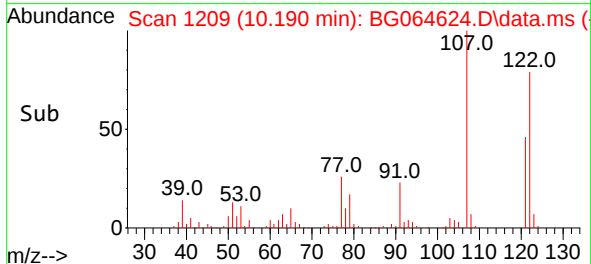
Tgt Ion:122 Resp: 104970
Ion Ratio Lower Upper
122 100
107 127.0 103.0 154.4
121 58.4 47.8 71.8

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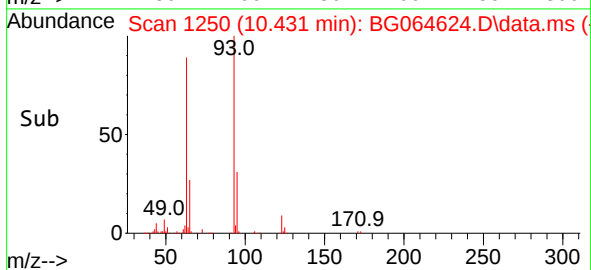
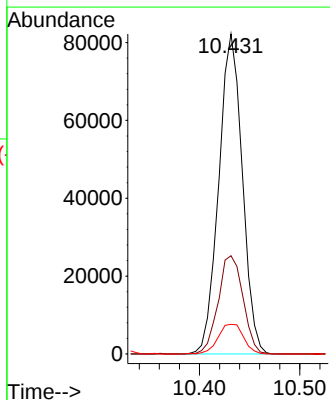
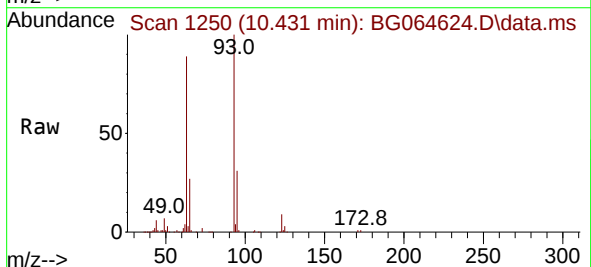
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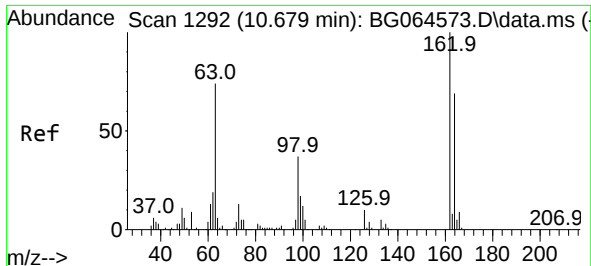
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#28
bis(2-Chloroethoxy)methane
Concen: 49.810 ng
RT: 10.431 min Scan# 1250
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

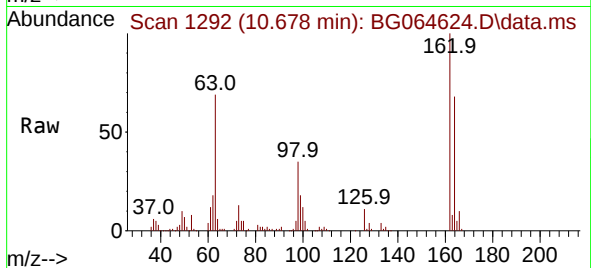
Tgt Ion: 93 Resp: 134040
Ion Ratio Lower Upper
93 100
95 30.7 25.4 38.2
123 9.3 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 56.356 ng
RT: 10.678 min Scan# 1292
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



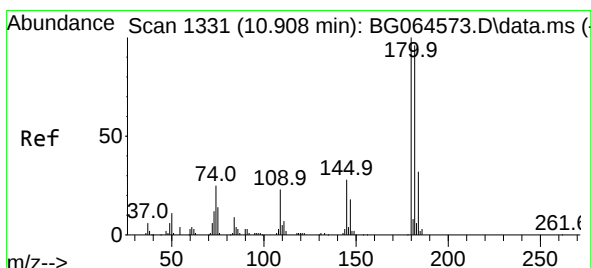
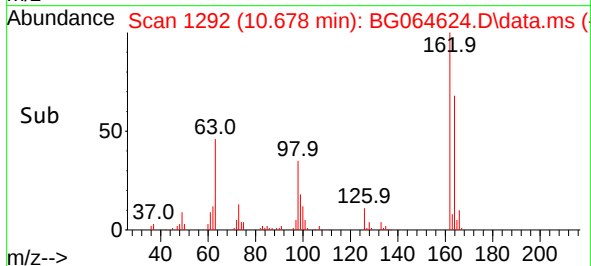
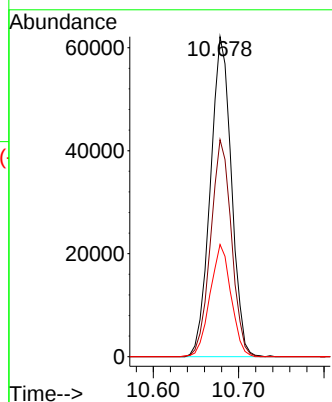
Tgt Ion:162 Resp: 106620
Ion Ratio Lower Upper
162 100
164 67.8 48.7 88.7
98 35.1 16.9 56.9

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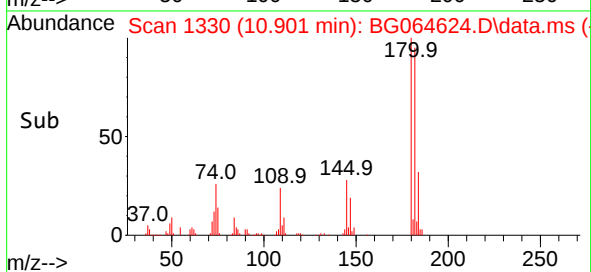
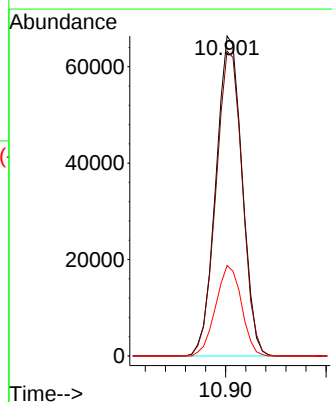
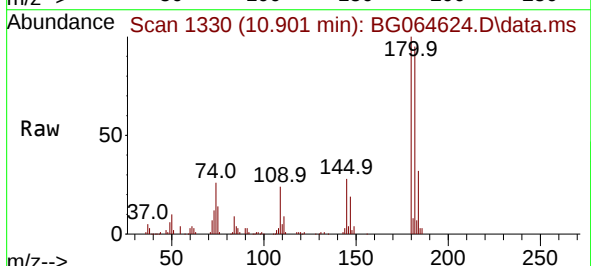
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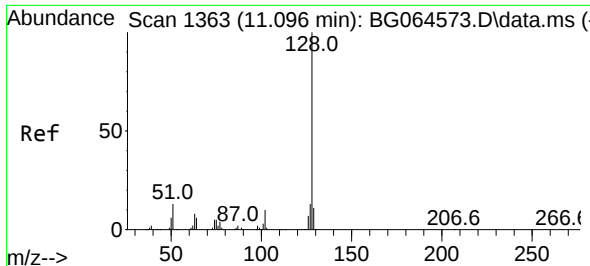
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#30
1,2,4-Trichlorobenzene
Concen: 55.698 ng
RT: 10.901 min Scan# 1330
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

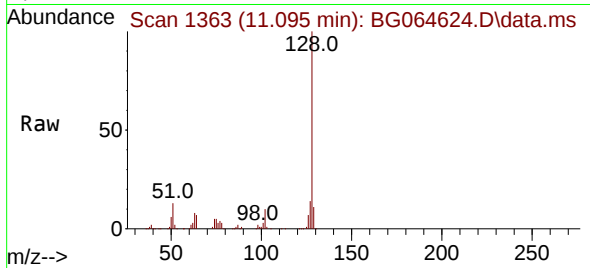
Tgt Ion:180 Resp: 119735
Ion Ratio Lower Upper
180 100
182 95.3 76.9 115.3
145 28.2 22.1 33.1





#31
Naphthalene
Concen: 50.367 ng
RT: 11.095 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

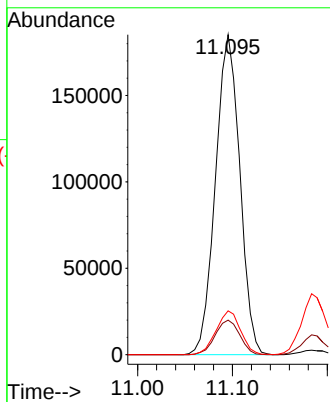
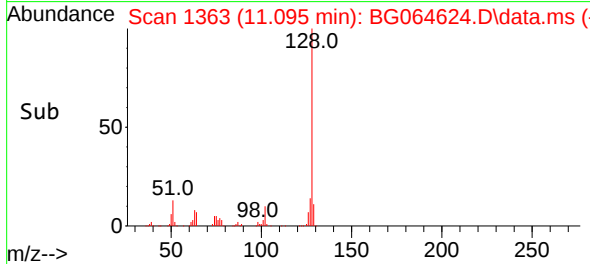
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:128 Resp: 33036
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.7 10.6 15.8

Manual Integrations
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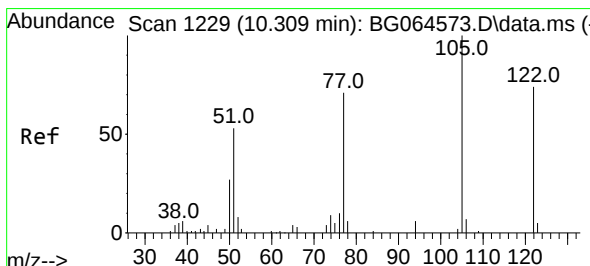
Reviewed By :Jagrut Upadhyay 11/04/2025
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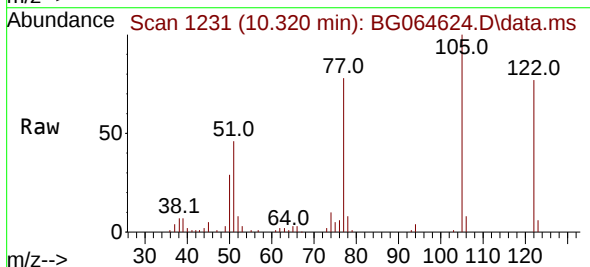
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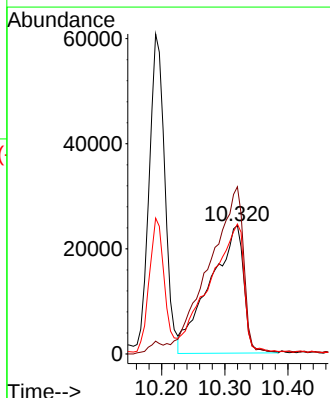
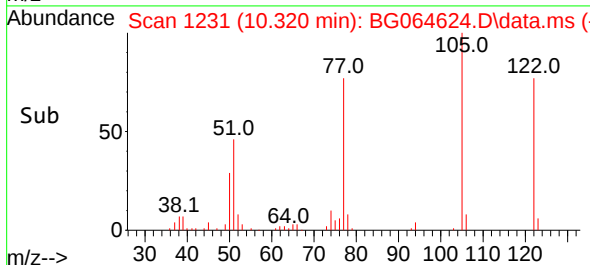
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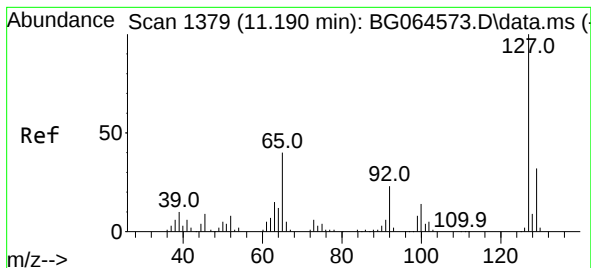


#32
Benzoic acid
Concen: 63.839 ng
RT: 10.320 min Scan# 1231
Delta R.T. 0.011 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



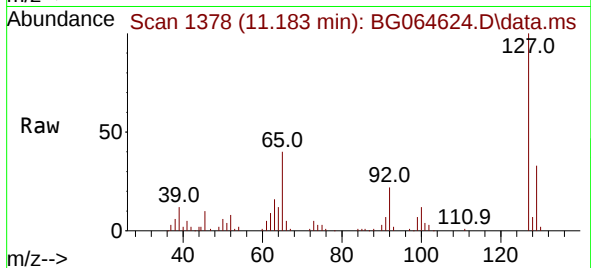
Tgt Ion:122 Resp: 89518
Ion Ratio Lower Upper
122 100
105 130.2 104.2 144.2
77 101.1 70.2 110.2





#33
4-Chloroaniline
Concen: 24.779 ng
RT: 11.183 min Scan# 11183
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



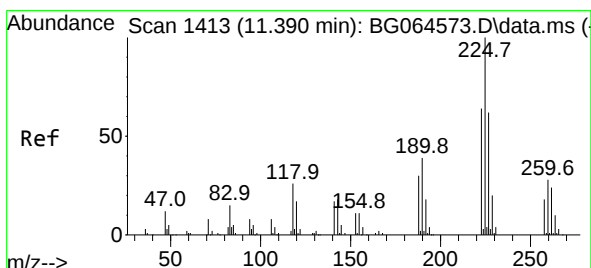
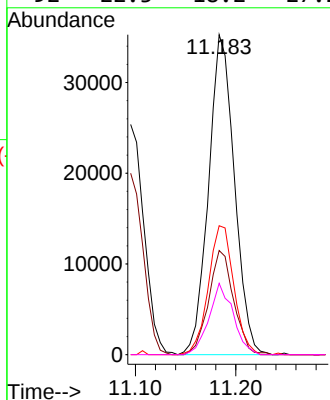
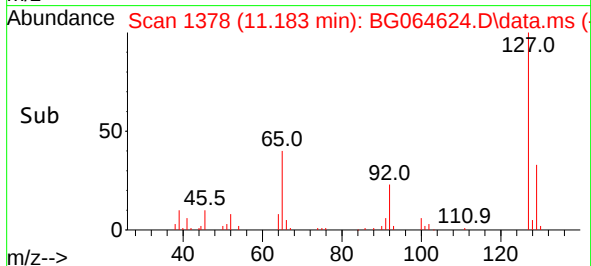
Tgt Ion:127 Resp: 63172
Ion Ratio Lower Upper
127 100
129 32.6 25.5 38.3
65 40.3 32.2 48.4
92 22.3 18.2 27.2

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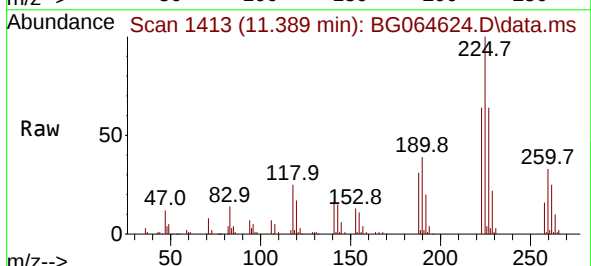
Reviewed By :Jagrut Upadhyay 11/04/2025
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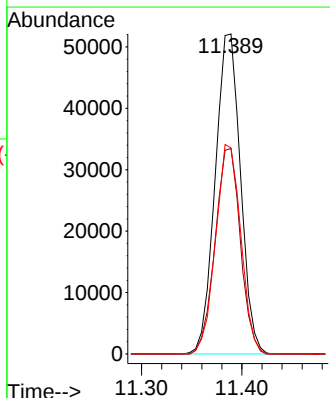
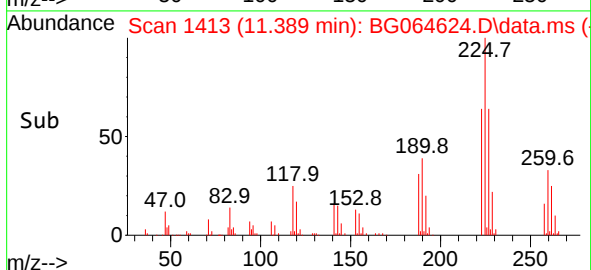
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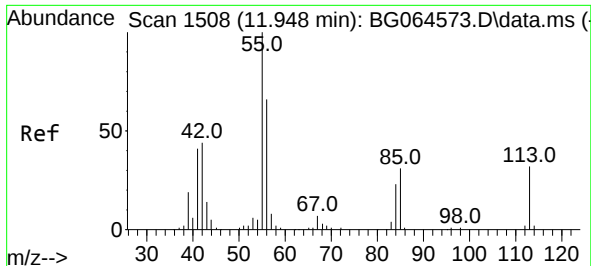


#34
Hexachlorobutadiene
Concen: 54.243 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



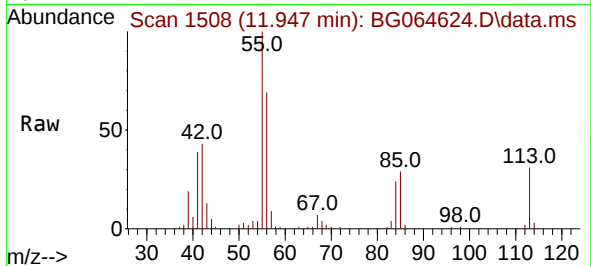
Tgt Ion:225 Resp: 91193
Ion Ratio Lower Upper
225 100
223 61.4 48.8 73.2
227 64.4 49.5 74.3





#35
Caprolactam
Concen: 52.046 ng m
RT: 11.947 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



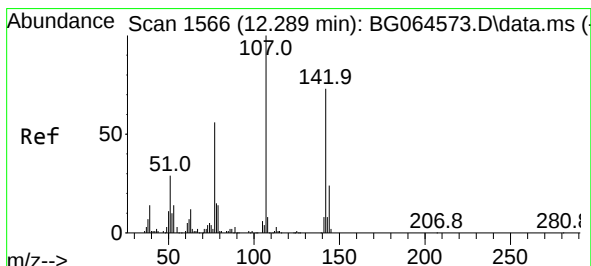
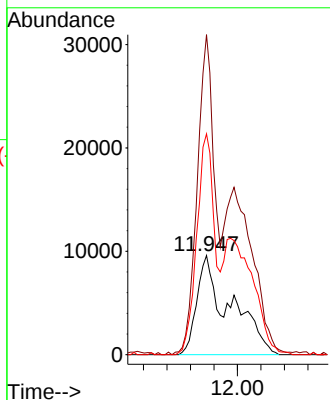
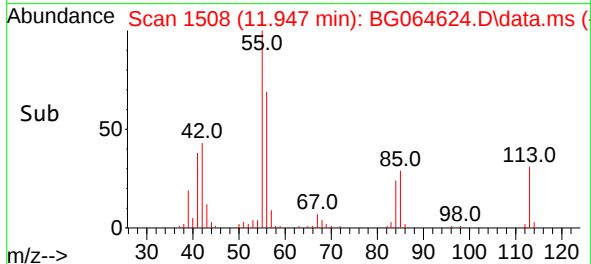
Tgt Ion:113 Resp: 3776
Ion Ratio Lower Upper
113 100
55 322.7 290.1 330.1
56 222.7 183.8 223.8

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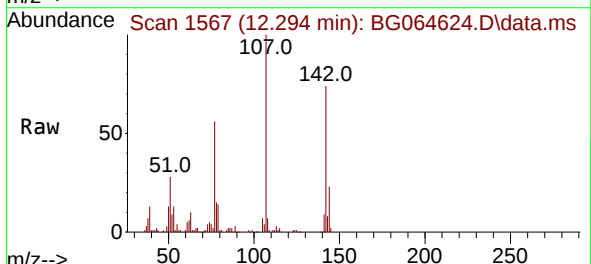
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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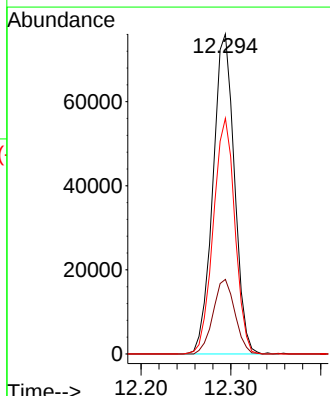
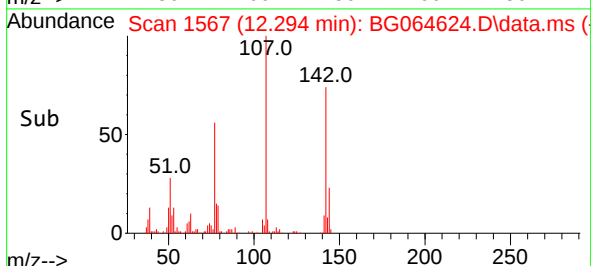
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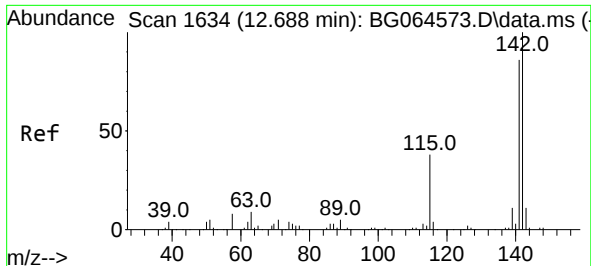


#36
4-Chloro-3-methylphenol
Concen: 55.597 ng
RT: 12.294 min Scan# 1567
Delta R.T. 0.005 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



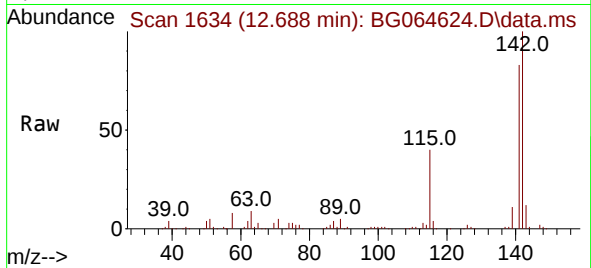
Tgt Ion:107 Resp: 126440
Ion Ratio Lower Upper
107 100
144 23.3 19.1 28.7
142 73.6 58.6 87.8





#37
2-Methylnaphthalene
Concen: 46.343 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



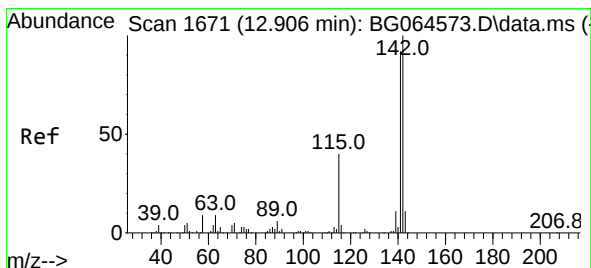
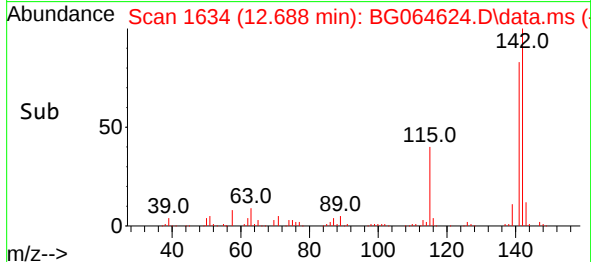
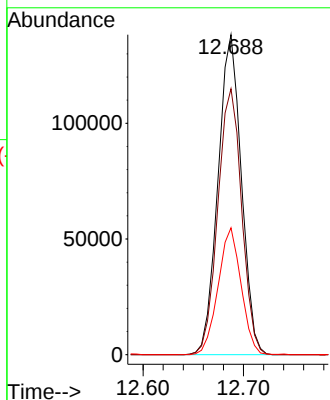
Tgt Ion:142 Resp: 223174
Ion Ratio Lower Upper
142 100
141 83.1 68.9 103.3
115 39.7 30.6 46.0

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Reviewed By :Jagrut Upadhyay 11/04/2025
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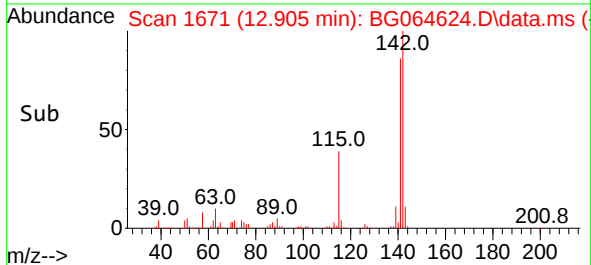
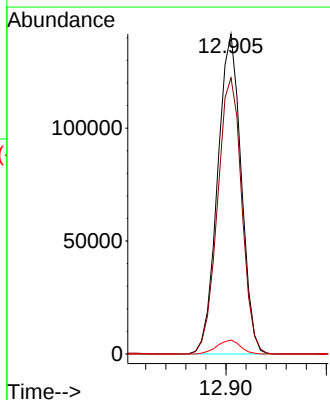
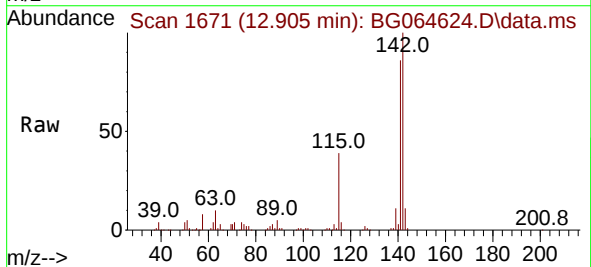
11/04/2025
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ahmed



#38
1-Methylnaphthalene
Concen: 48.446 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

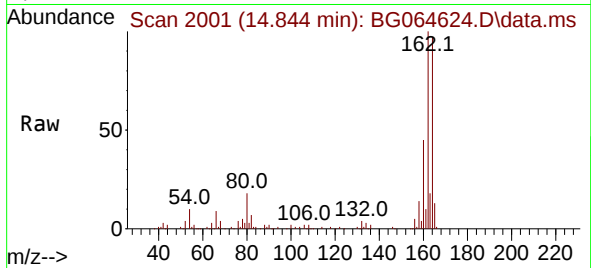
Tgt Ion:142 Resp: 230958
Ion Ratio Lower Upper
142 100
141 86.3 73.3 109.9
116 4.4 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 2001
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



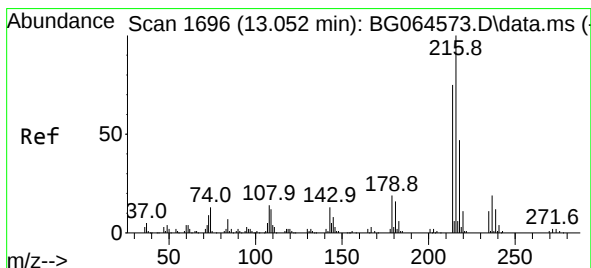
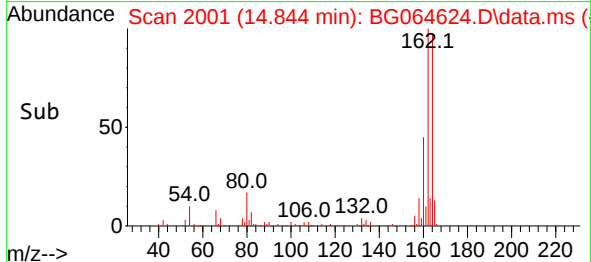
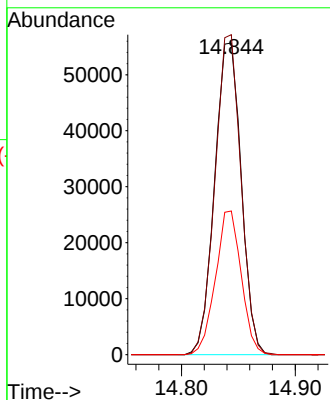
Tgt Ion:164 Resp: 90635
Ion Ratio Lower Upper
164 100
162 102.7 77.0 115.6
160 46.1 34.4 51.6

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

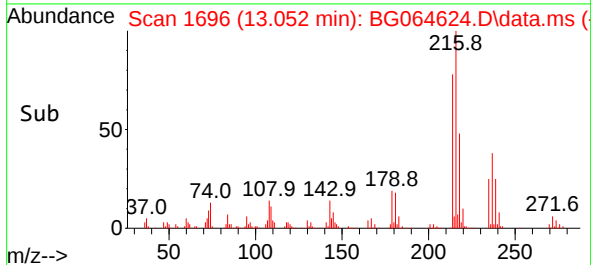
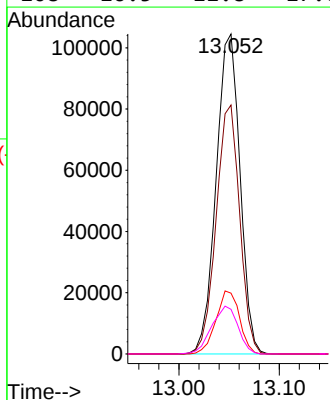
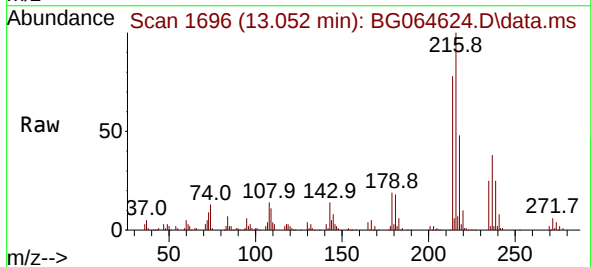
11/04/2025
Supervised By :mohammad
ahmed

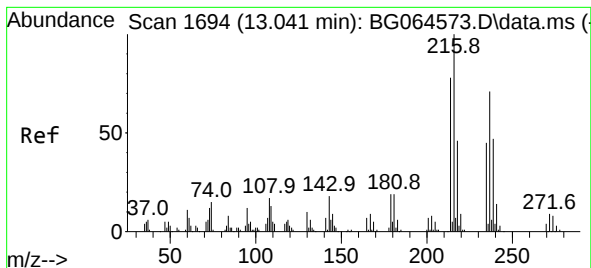
11/05/2025
Supervised By :mohammad
ahmed



#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.759 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

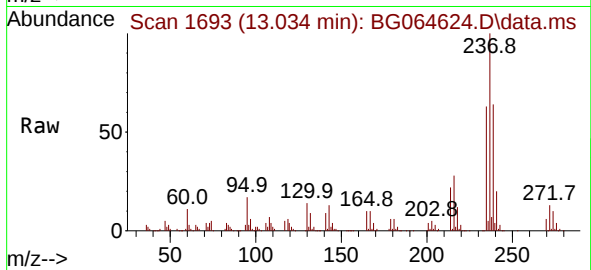
Tgt Ion:216 Resp: 172647
Ion Ratio Lower Upper
216 100
214 76.6 61.4 92.2
179 19.4 15.4 23.0
108 16.5 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 169.415 ng
RT: 13.034 min Scan# 1693
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



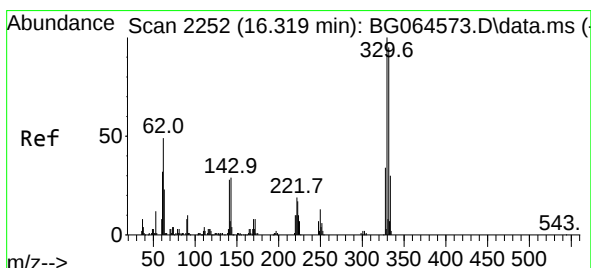
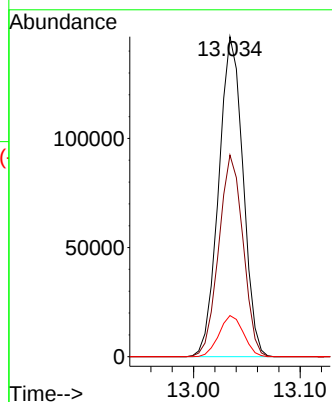
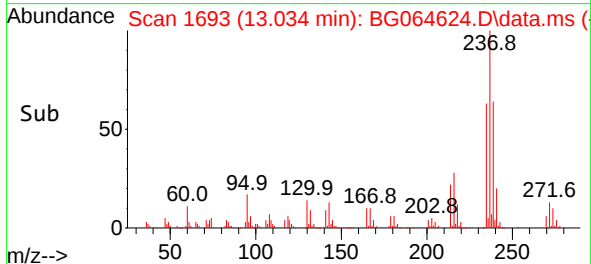
Tgt Ion:237 Resp: 231950
Ion Ratio Lower Upper
237 100
235 63.0 44.1 84.1
272 12.9 0.0 32.4

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Supervised By :mohammad ahmed 11/05/2025

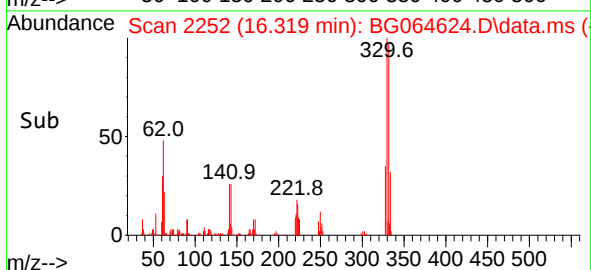
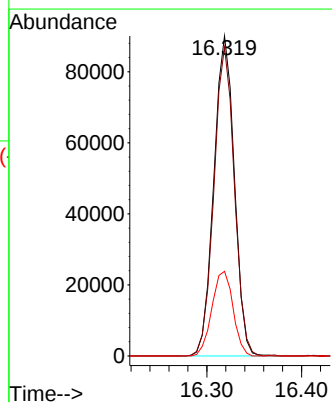
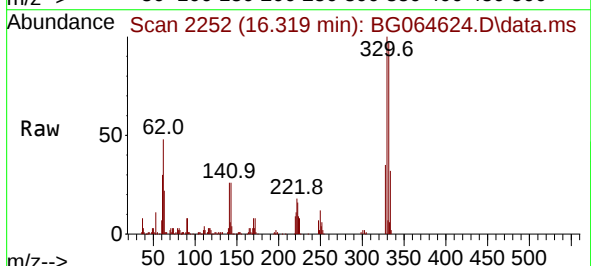
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ahmed

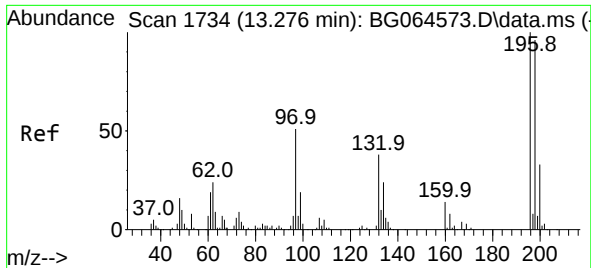
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#42
2,4,6-Tribromophenol
Concen: 103.294 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

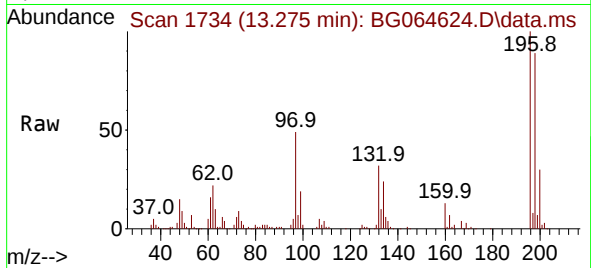
Tgt Ion:330 Resp: 135122
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 27.3 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 62.272 ng
RT: 13.275 min Scan# 1734
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



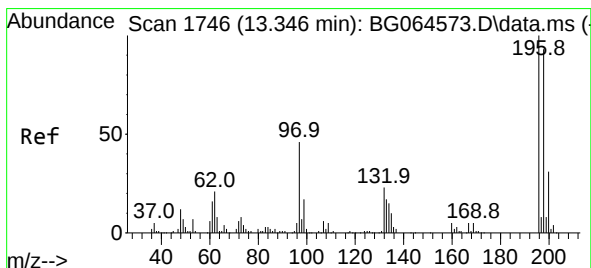
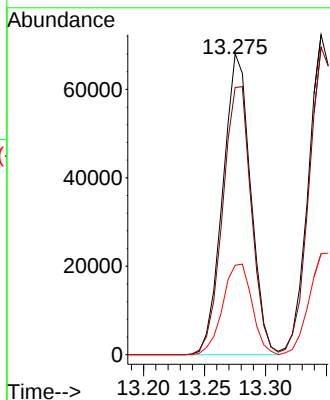
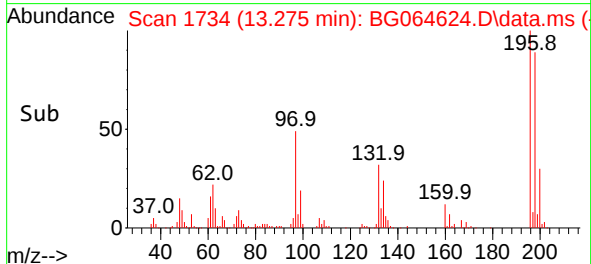
Tgt Ion:196 Resp: 108344
Ion Ratio Lower Upper
196 100
198 88.8 76.6 115.0
200 29.7 26.0 39.0

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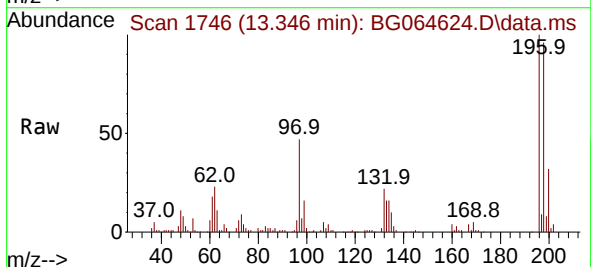
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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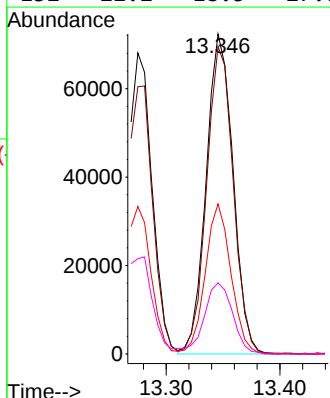
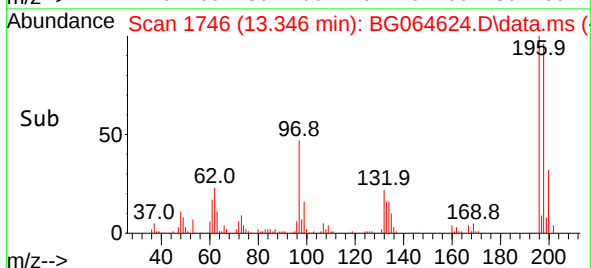
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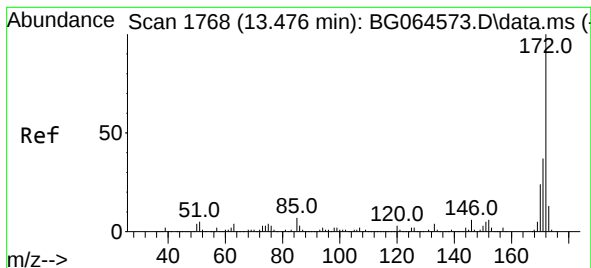


#44
2,4,5-Trichlorophenol
Concen: 59.189 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



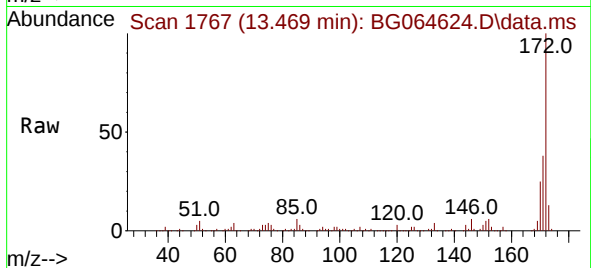
Tgt Ion:196 Resp: 118844
Ion Ratio Lower Upper
196 100
198 96.1 74.2 111.4
97 46.9 37.0 55.6
132 22.2 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 52.377 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



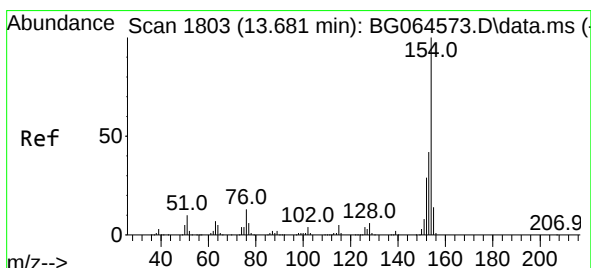
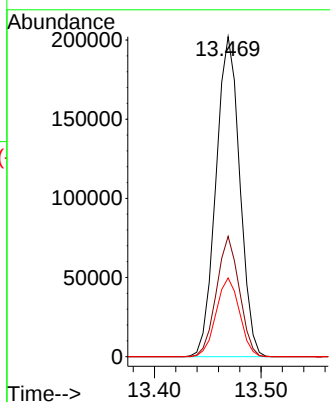
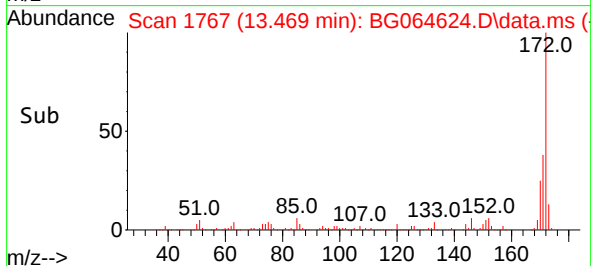
Tgt Ion:172 Resp: 31319
Ion Ratio Lower Upper
172 100
171 37.6 29.4 44.0
170 24.6 19.1 28.7

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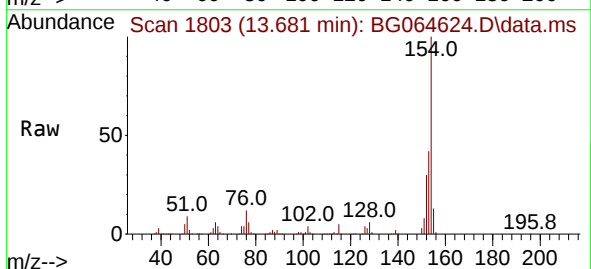
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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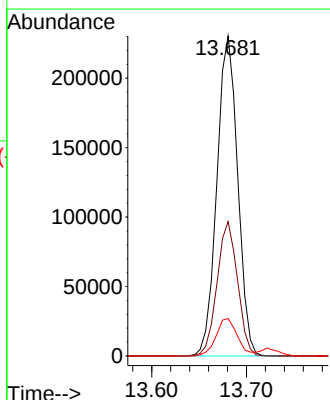
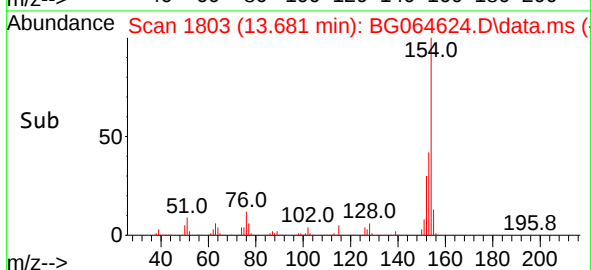
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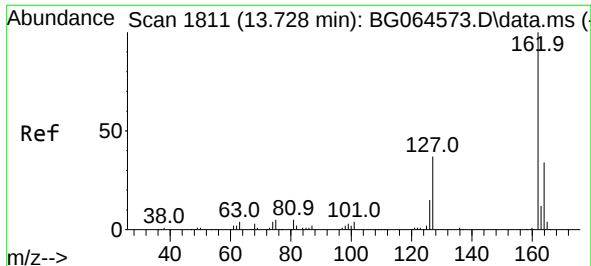


#46
1,1'-Biphenyl
Concen: 54.532 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



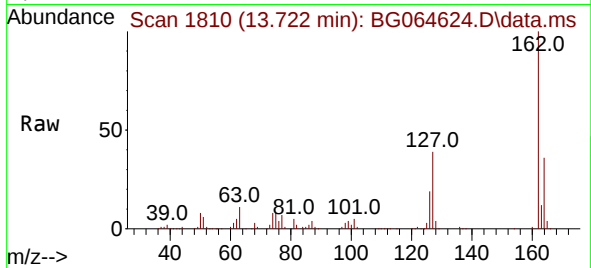
Tgt Ion:154 Resp: 351379
Ion Ratio Lower Upper
154 100
153 42.0 22.4 62.4
76 11.7 0.0 33.5





#47
2-Chloronaphthalene
Concen: 52.050 ng
RT: 13.722 min Scan# 1811
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



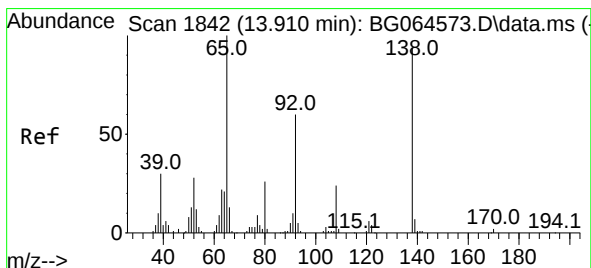
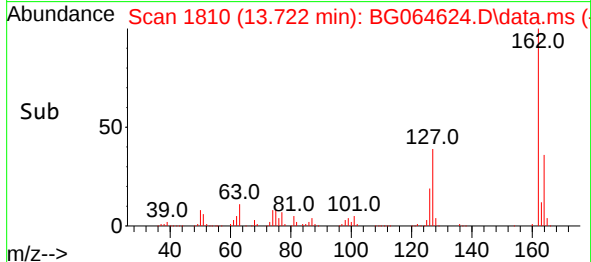
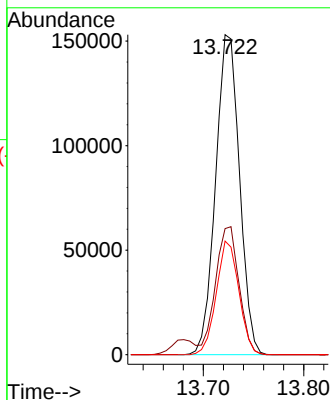
Tgt Ion:162 Resp: 25316
Ion Ratio Lower Upper
162 100
127 39.4 32.2 48.2
164 35.5 27.5 41.3

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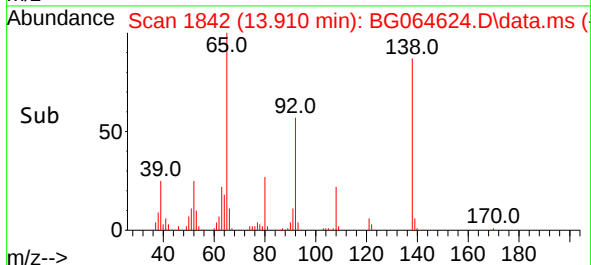
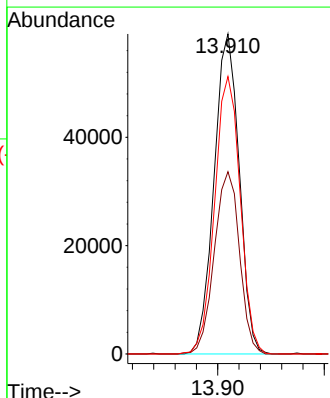
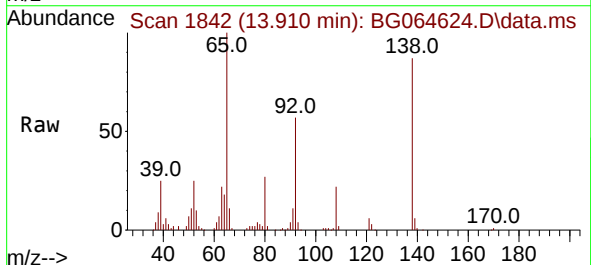
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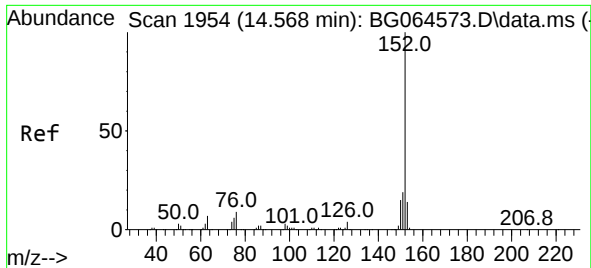
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#48
2-Nitroaniline
Concen: 58.474 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

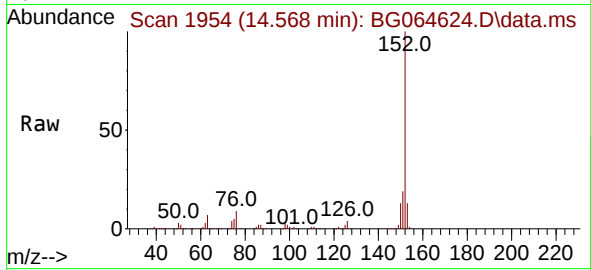
Tgt Ion: 65 Resp: 96708
Ion Ratio Lower Upper
65 100
92 57.0 48.3 72.5
138 86.7 74.9 112.3





#49
Acenaphthylene
Concen: 58.943 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



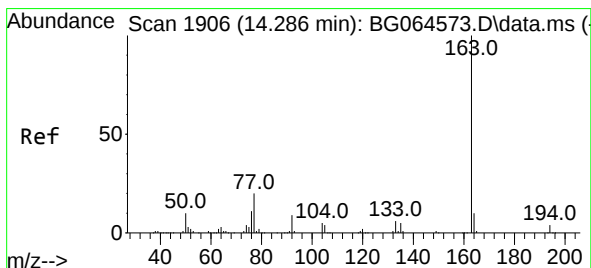
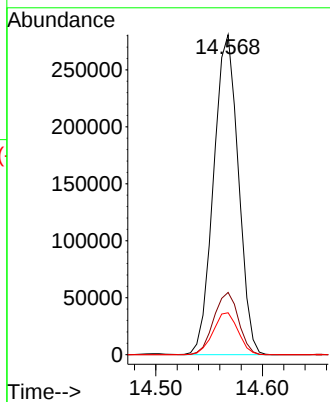
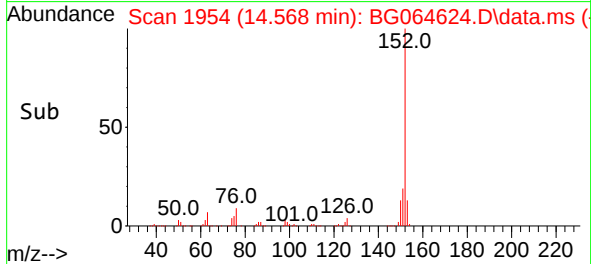
Tgt Ion:152 Resp: 452198
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.1 11.0 16.4

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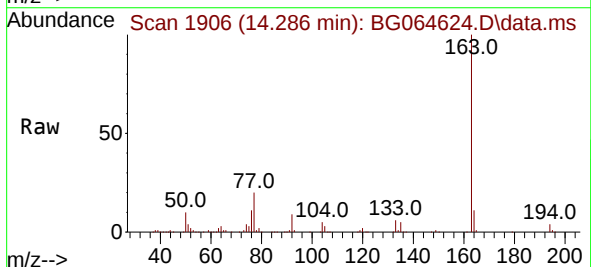
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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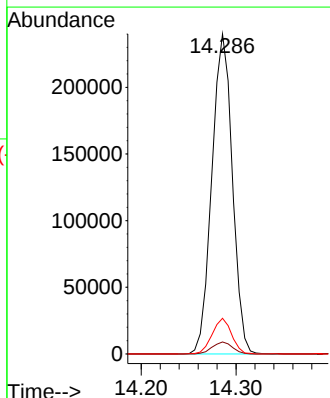
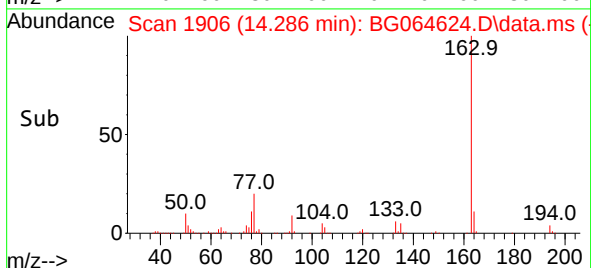
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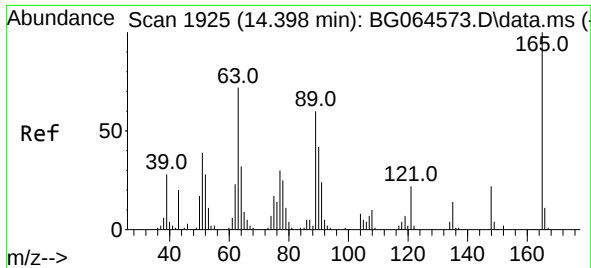


#50
Dimethylphthalate
Concen: 51.996 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



Tgt Ion:163 Resp: 360615
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 11.2 7.7 11.5





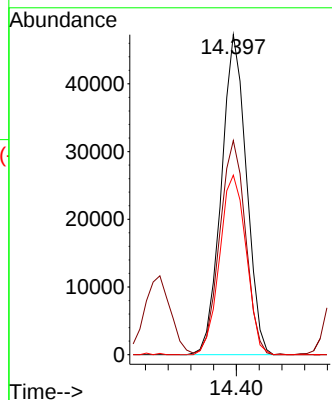
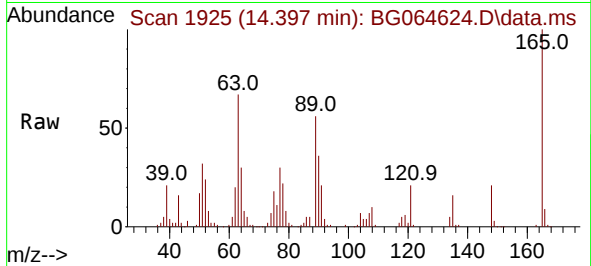
#51
2,6-Dinitrotoluene
Concen: 62.167 ng
RT: 14.397 min Scan# 1925
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS

Tgt Ion:165 Resp: 72290
Ion Ratio Lower Upper
165 100
63 66.9 57.4 86.0
89 56.1 47.8 71.8

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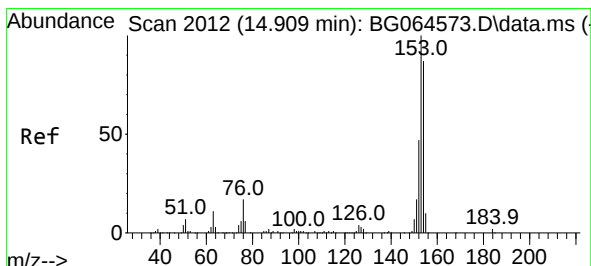
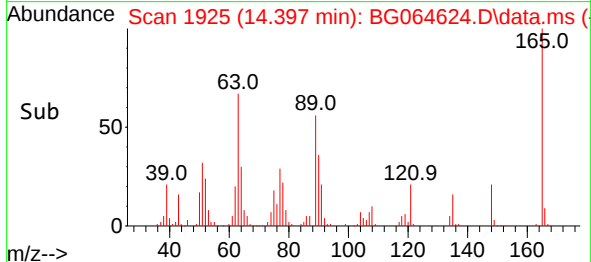
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



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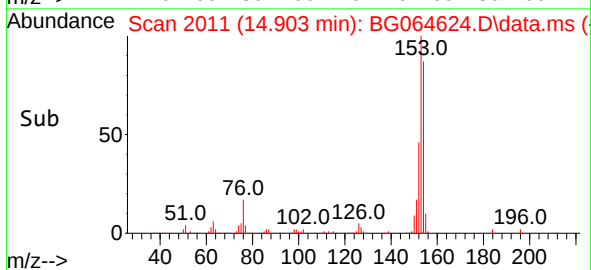
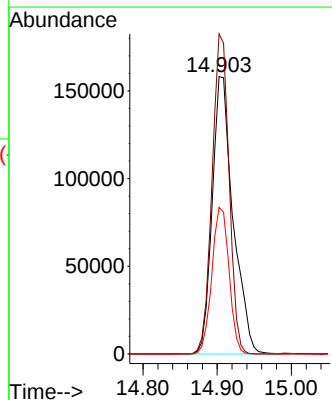
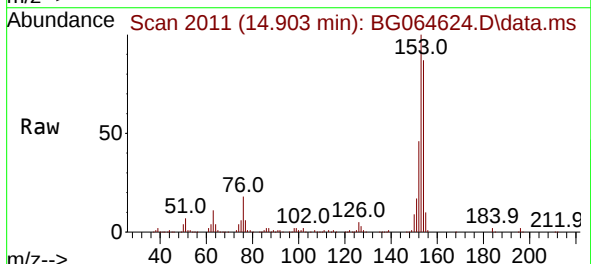
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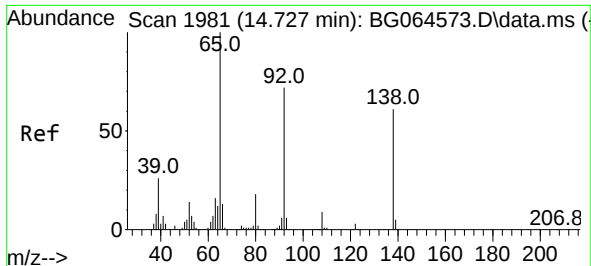
11/05/2025



#52
Acenaphthene
Concen: 59.087 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

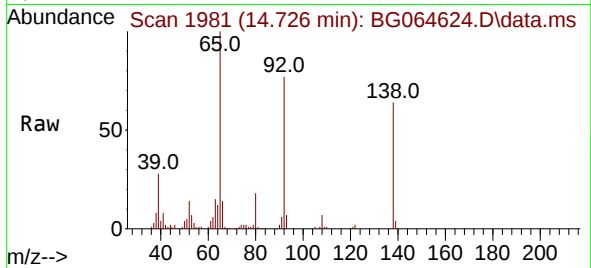
Tgt Ion:154 Resp: 309699
Ion Ratio Lower Upper
154 100
153 115.3 92.2 138.4
152 52.8 43.2 64.8





#53
3-Nitroaniline
Concen: 40.250 ng
RT: 14.726 min Scan# 1981
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

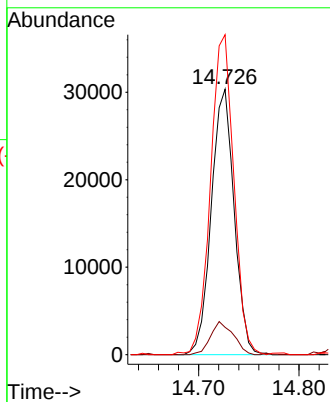
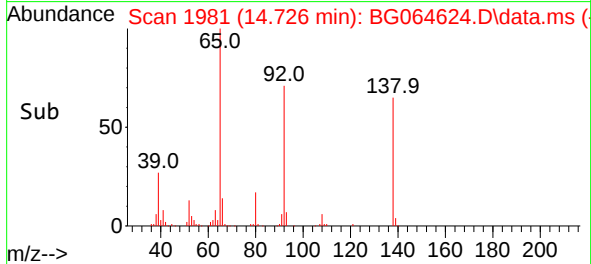
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:138 Resp: 47973
Ion Ratio Lower Upper
138 100
108 10.3 11.4 17.0
92 120.5 95.3 142.9

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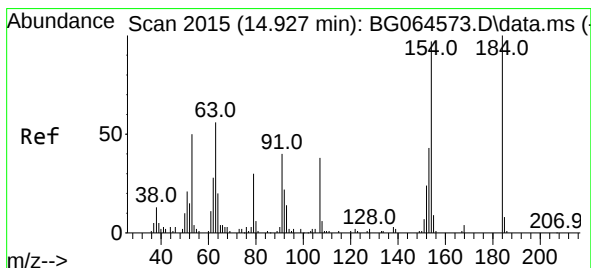
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



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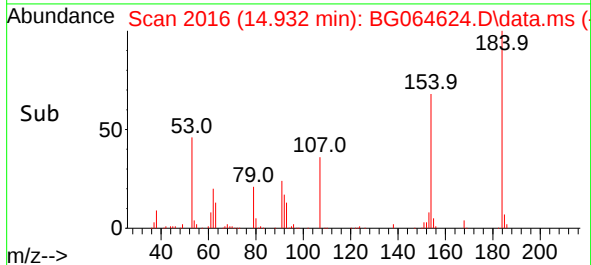
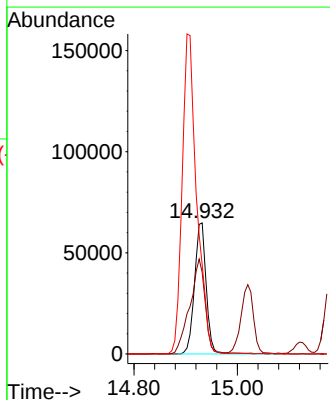
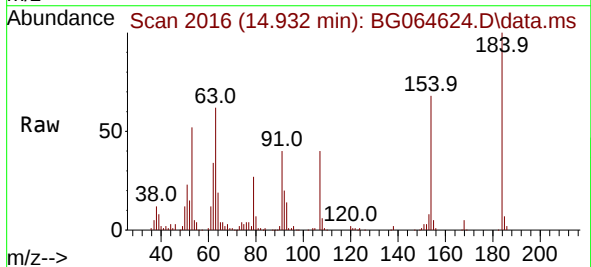
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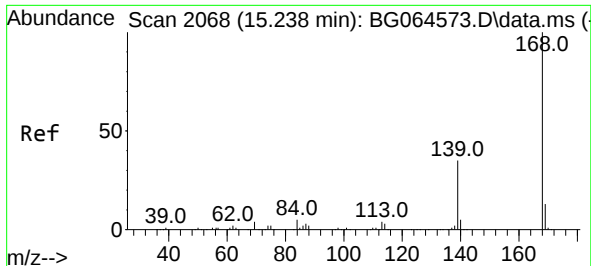
11/05/2025



#54
2,4-Dinitrophenol
Concen: 141.388 ng
RT: 14.932 min Scan# 2016
Delta R.T. 0.005 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

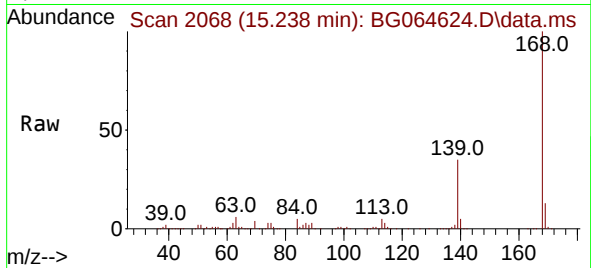
Tgt Ion:184 Resp: 102510
Ion Ratio Lower Upper
184 100
63 62.1 56.6 85.0
154 68.1 158.6 238.0#





#55
Dibenzenofuran
Concen: 51.250 ng
RT: 15.238 min Scan# 2068
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



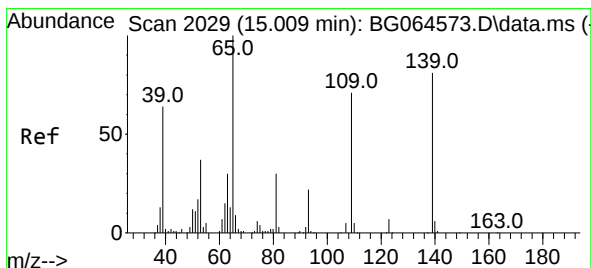
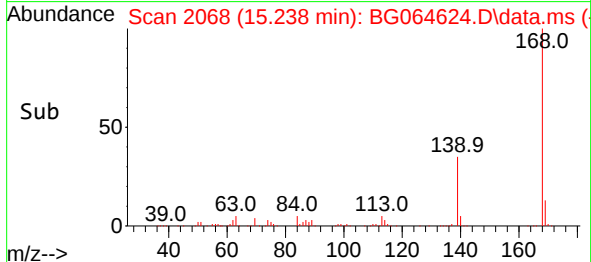
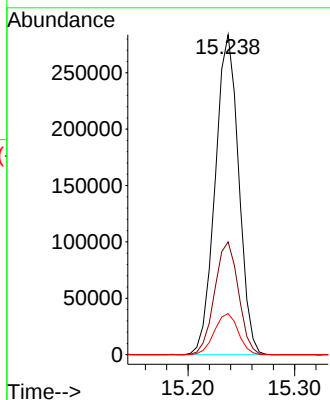
Tgt Ion:168 Resp: 43428
Ion Ratio Lower Upper
168 100
139 35.3 27.8 41.8
169 12.8 10.3 15.5

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

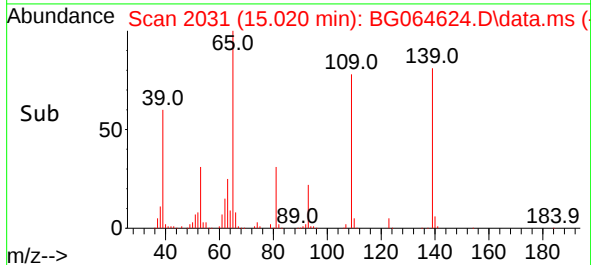
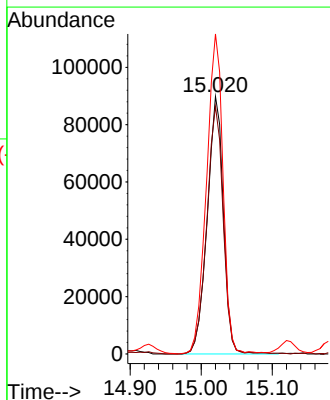
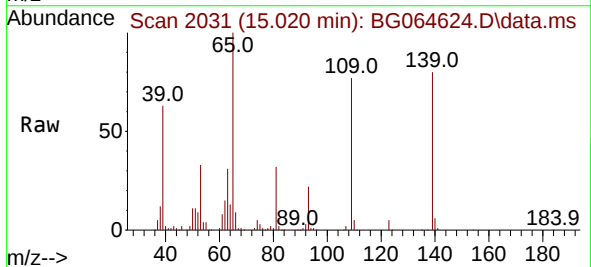
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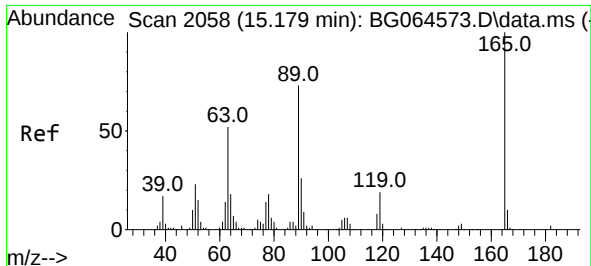
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#56
4-Nitrophenol
Concen: 129.533 ng
RT: 15.020 min Scan# 2031
Delta R.T. 0.011 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

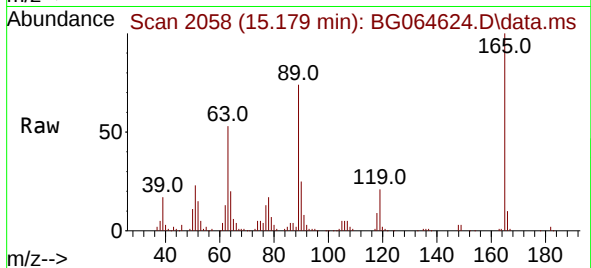
Tgt Ion:139 Resp: 143139
Ion Ratio Lower Upper
139 100
109 96.2 67.8 107.8
65 124.2 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 59.269 ng
RT: 15.179 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

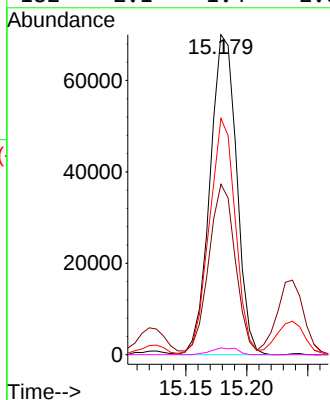
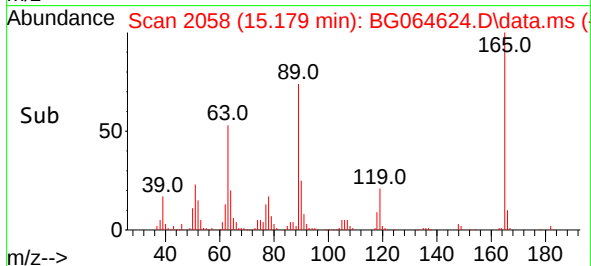
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:165 Resp: 106219
Ion Ratio Lower Upper
165 100
63 53.3 41.8 62.8
89 73.9 58.1 87.1
182 2.1 1.4 2.0#

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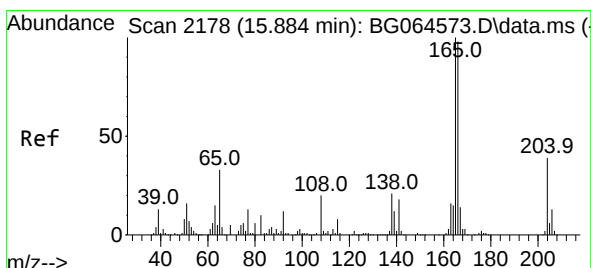
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



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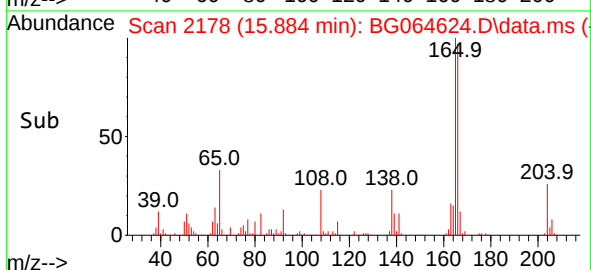
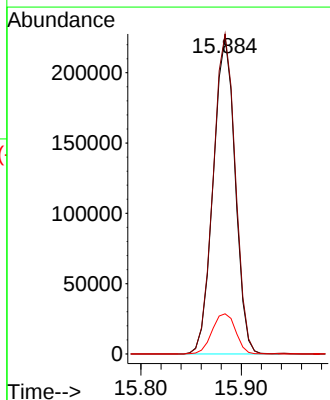
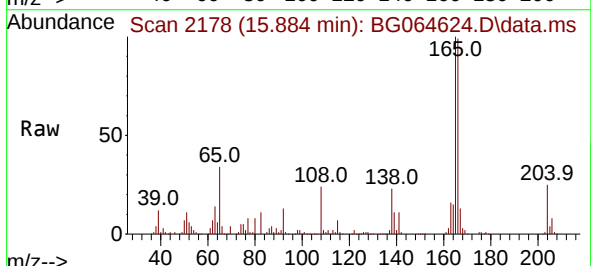
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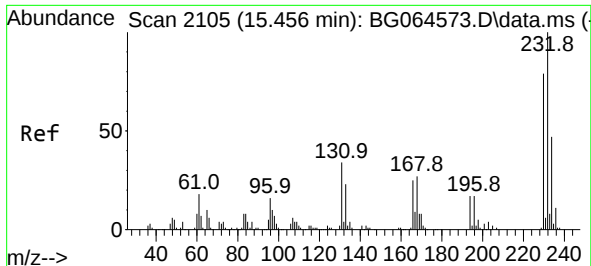
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#58
Fluorene
Concen: 51.406 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

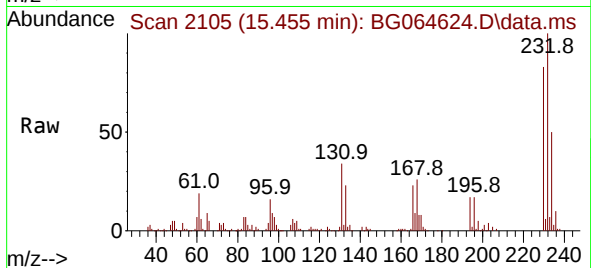
Tgt Ion:166 Resp: 340194
Ion Ratio Lower Upper
166 100
165 101.0 81.5 122.3
167 12.7 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 64.568 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



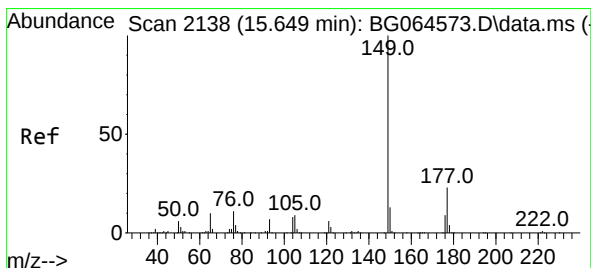
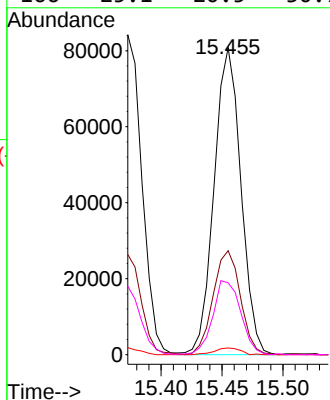
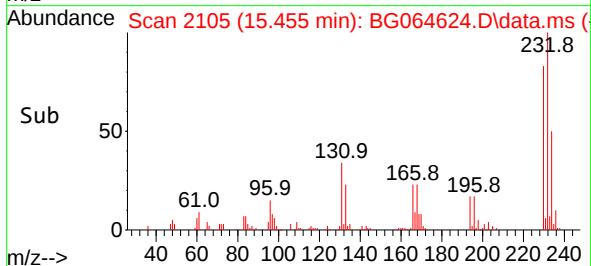
Tgt Ion:232 Resp: 12397
Ion Ratio Lower Upper
232 100
131 34.4 26.7 40.1
130 2.1 1.6 2.4
166 25.1 20.5 30.7

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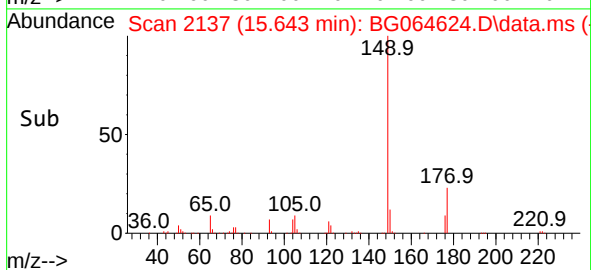
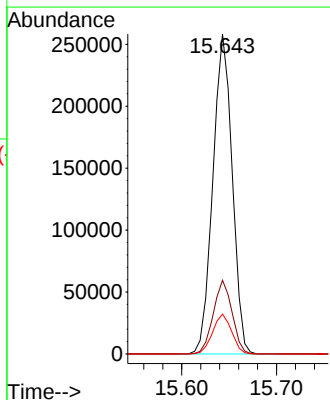
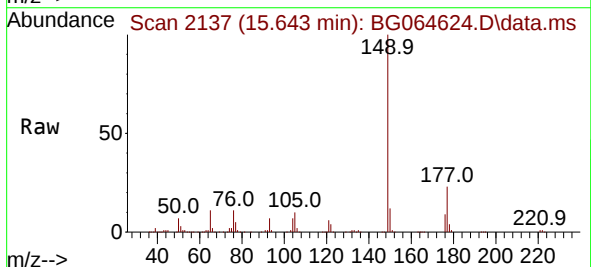
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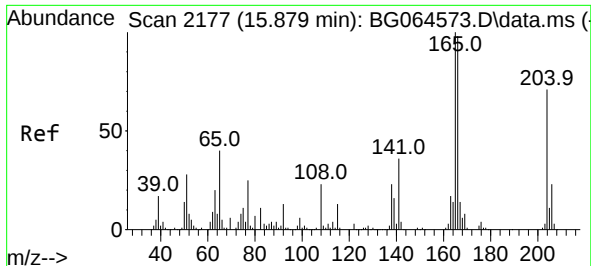
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#60
Diethylphthalate
Concen: 51.562 ng
RT: 15.643 min Scan# 2137
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

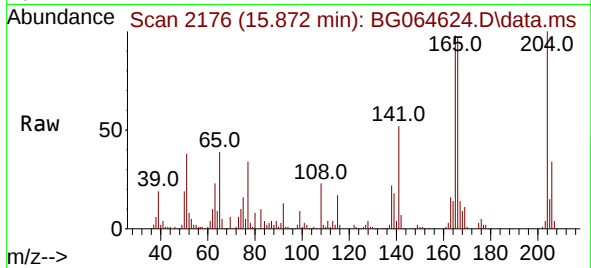
Tgt Ion:149 Resp: 365128
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.5 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 51.398 ng
RT: 15.872 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



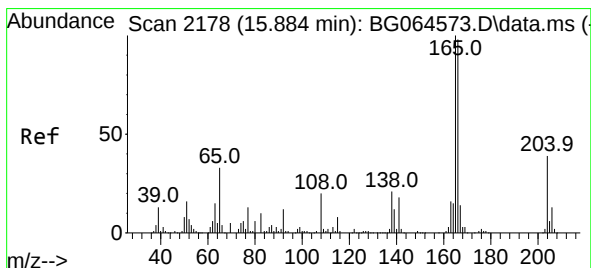
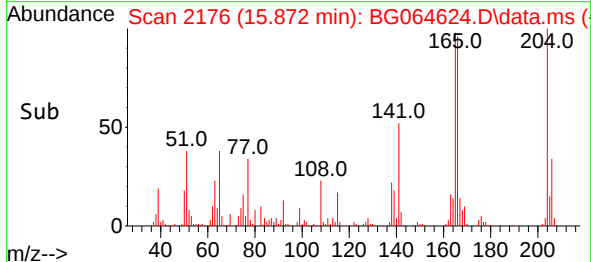
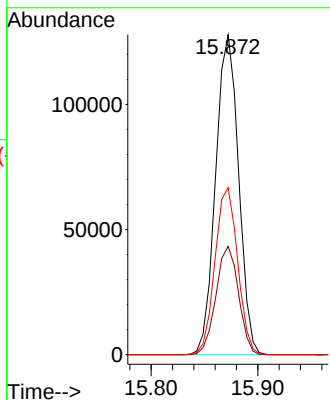
Tgt Ion:204 Resp: 190880
Ion Ratio Lower Upper
204 100
206 33.9 25.6 38.4
141 52.2 40.6 60.8

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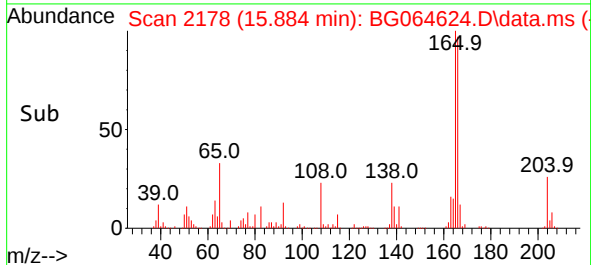
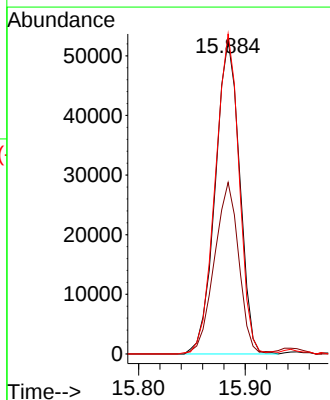
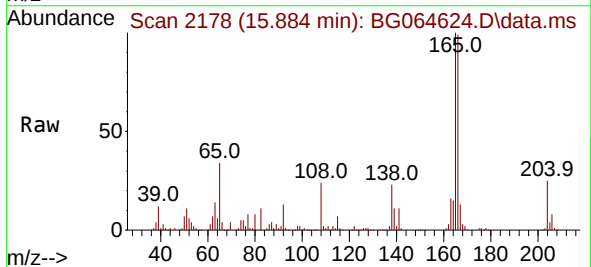
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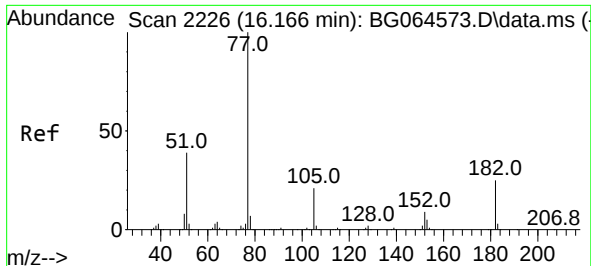
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#62
4-Nitroaniline
Concen: 62.839 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

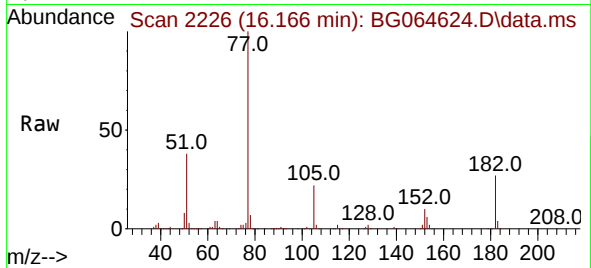
Tgt Ion:138 Resp: 83324
Ion Ratio Lower Upper
138 100
92 54.7 36.1 76.1
108 102.0 75.6 115.6





#63
Azobenzene
Concen: 55.044 ng
RT: 16.166 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



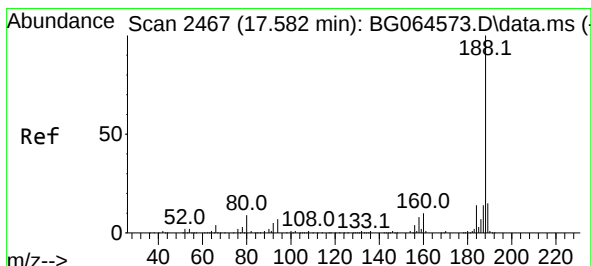
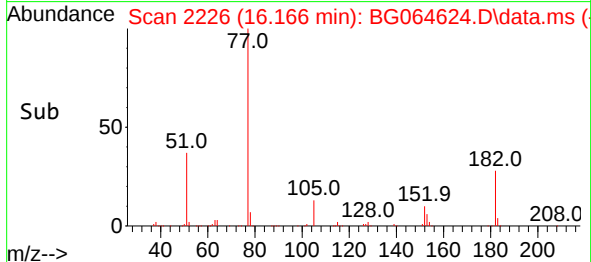
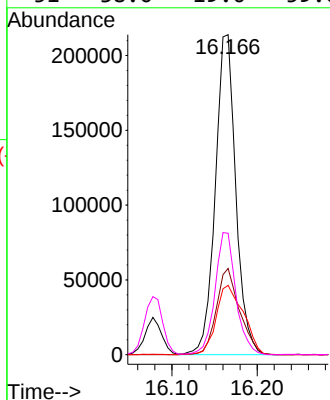
Tgt Ion: 77 Resp: 35764
Ion Ratio Lower Upper
77 100
182 27.0 4.9 44.9
105 21.6 1.3 41.3
51 38.0 19.0 59.0

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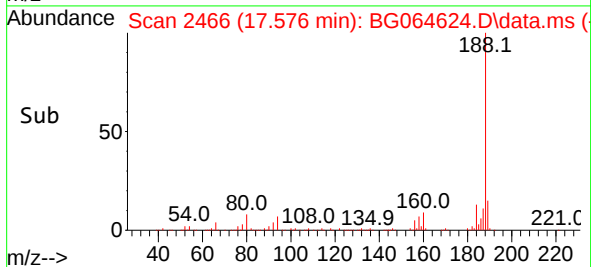
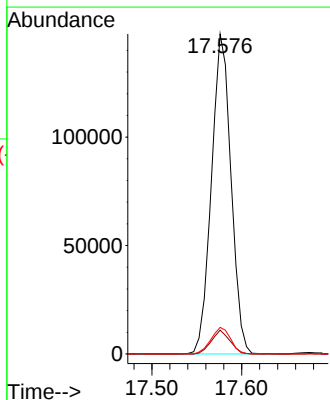
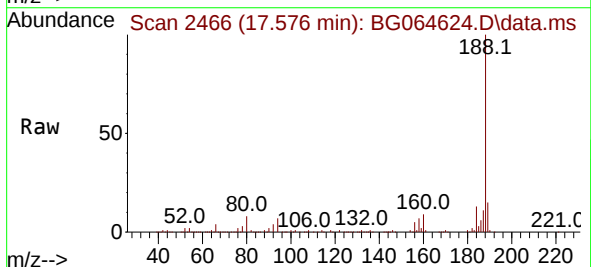
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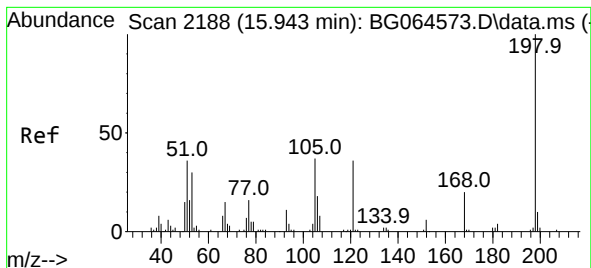
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

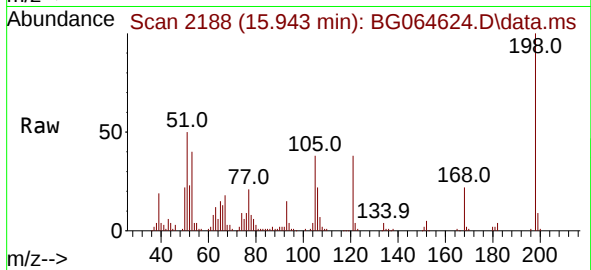
Tgt Ion:188 Resp: 223021
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.3 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 69.145 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



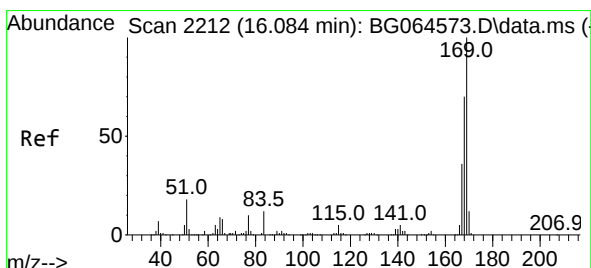
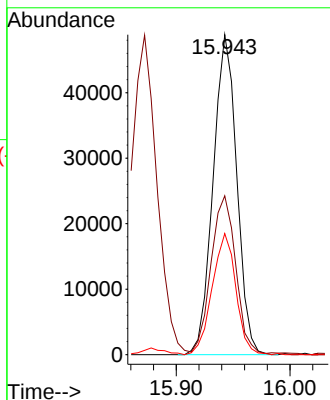
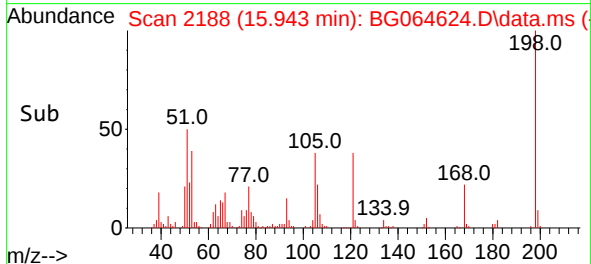
Tgt Ion:198 Resp: 7050
Ion Ratio Lower Upper
198 100
51 49.7 24.7 64.7
105 37.8 18.0 58.0

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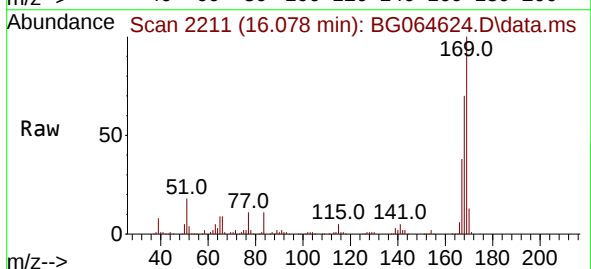
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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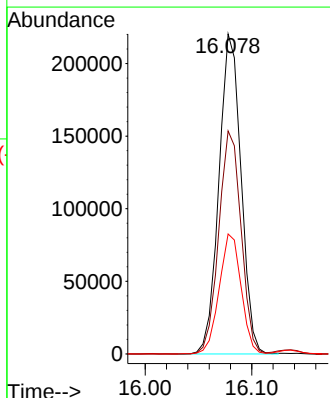
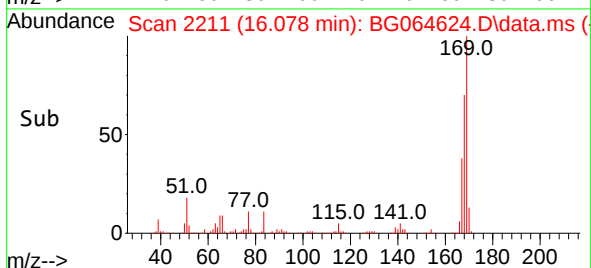
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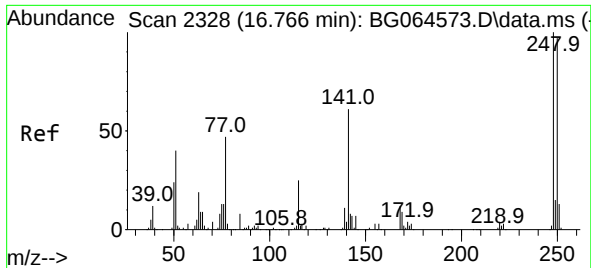


#66
n-Nitrosodiphenylamine
Concen: 52.531 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



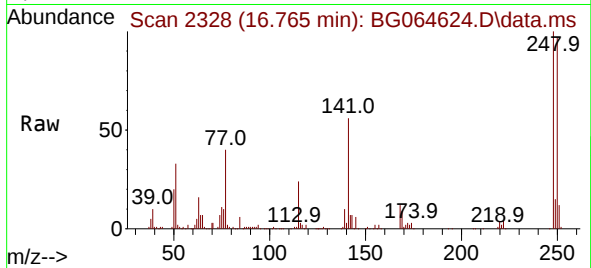
Tgt Ion:169 Resp: 316466
Ion Ratio Lower Upper
169 100
168 69.7 56.3 84.5
167 37.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 53.763 ng
RT: 16.765 min Scan# 2328
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



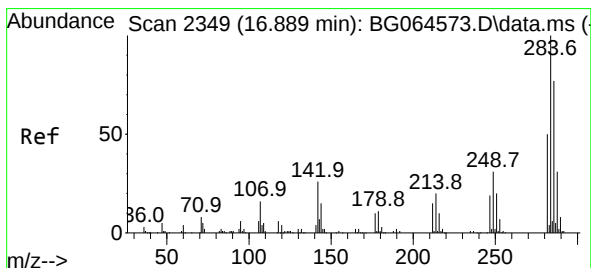
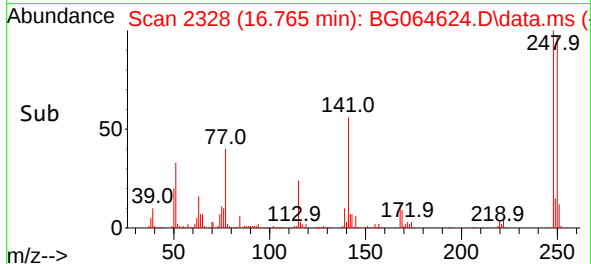
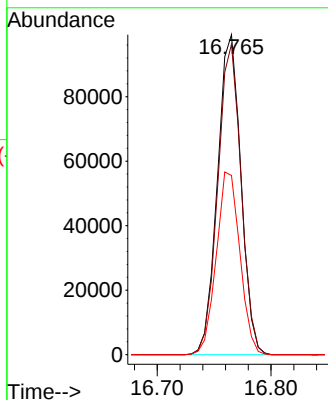
Tgt Ion:248 Resp: 142089
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 56.0 48.6 72.8

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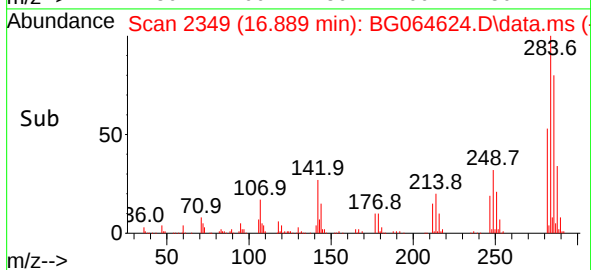
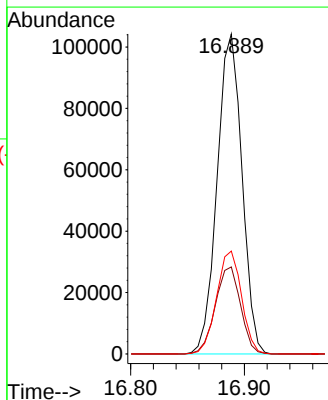
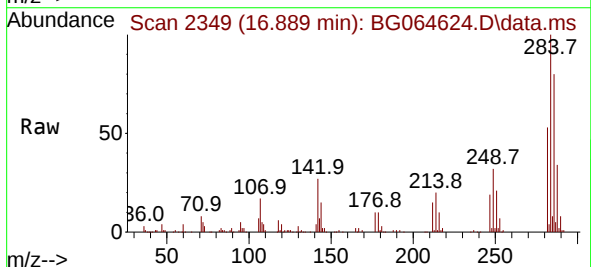
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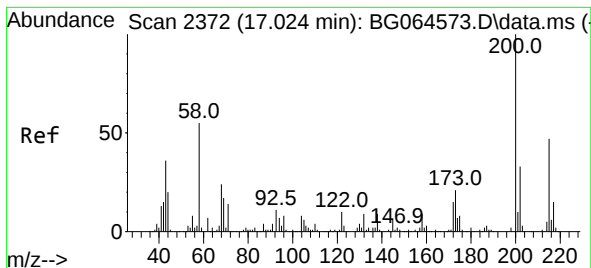
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#68
Hexachlorobenzene
Concen: 52.503 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Tgt Ion:284 Resp: 158302
Ion Ratio Lower Upper
284 100
142 27.2 21.0 31.6
249 32.1 24.9 37.3





#69

Atrazine

Concen: 58.949 ng

RT: 17.018 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

Tgt Ion:200 Resp: 152820
 Ion Ratio Lower Upper
 200 100
 173 24.8 0.9 40.9
 215 46.4 27.0 67.0

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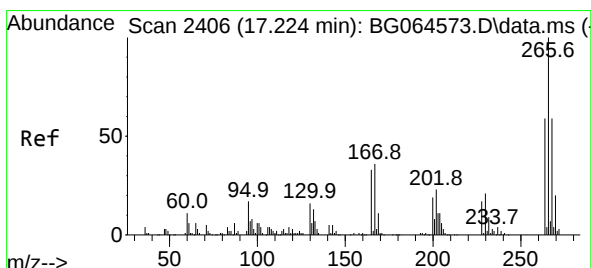
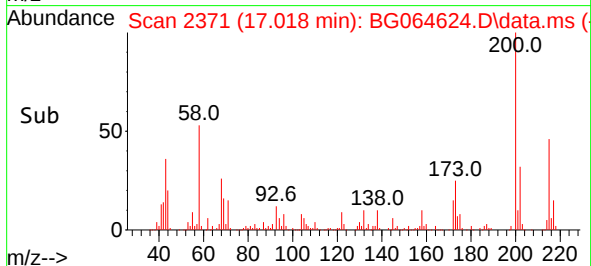
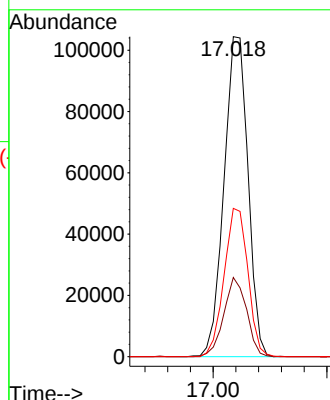
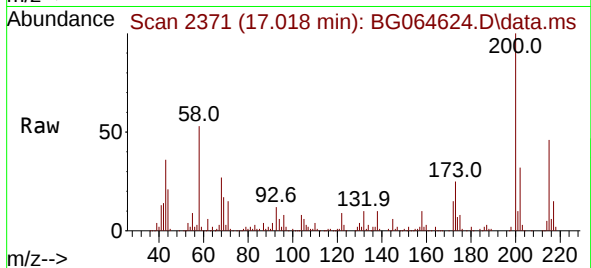
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#70

Pentachlorophenol

Concen: 122.155 ng

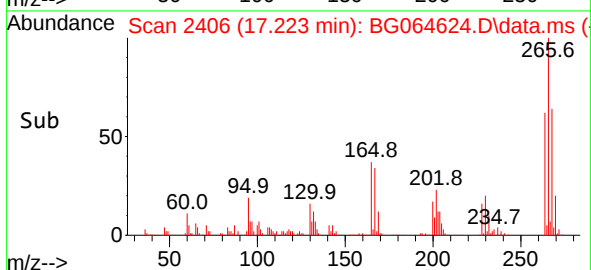
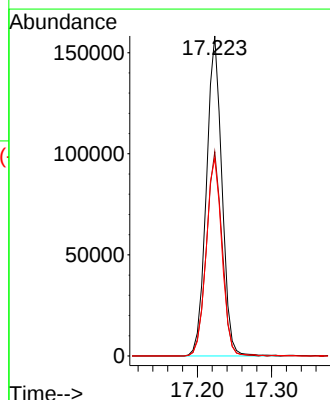
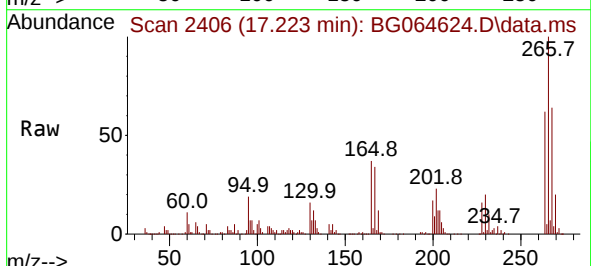
RT: 17.223 min Scan# 2406

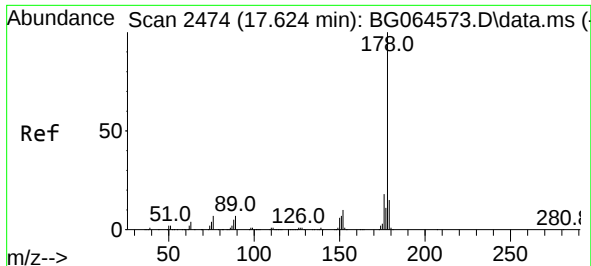
Delta R.T. -0.001 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

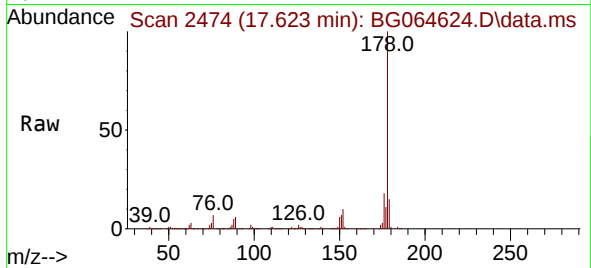
Tgt Ion:266 Resp: 229672
 Ion Ratio Lower Upper
 266 100
 268 68.1 50.3 75.5
 264 61.7 47.3 70.9





#71
Phenanthrene
Concen: 52.082 ng
RT: 17.623 min Scan# 2474
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



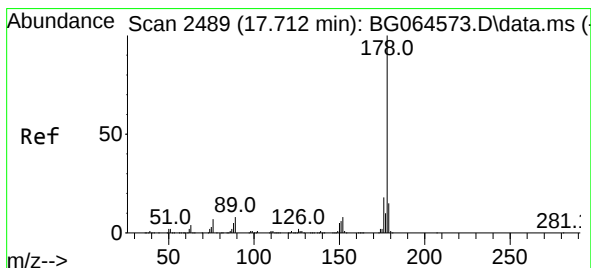
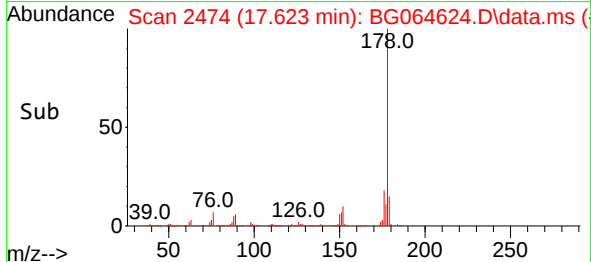
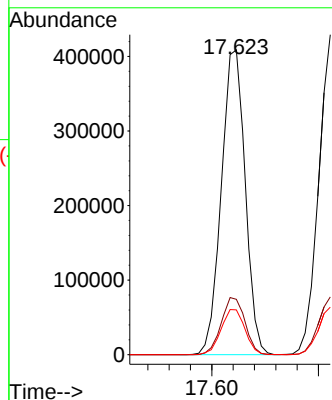
Tgt Ion:178 Resp: 635190
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.7 12.2 18.4

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Supervised By :mohammad ahmed 11/05/2025

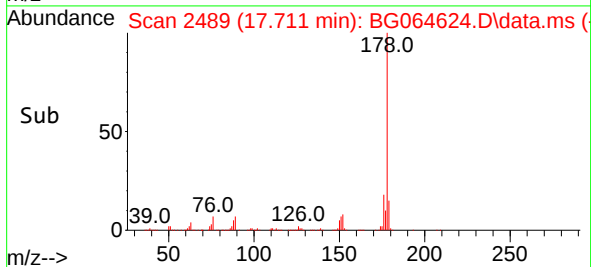
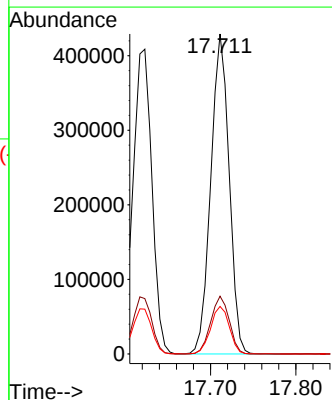
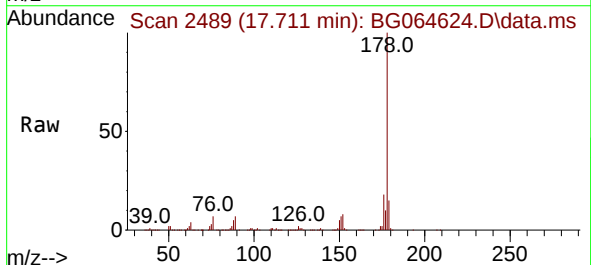
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ahmed

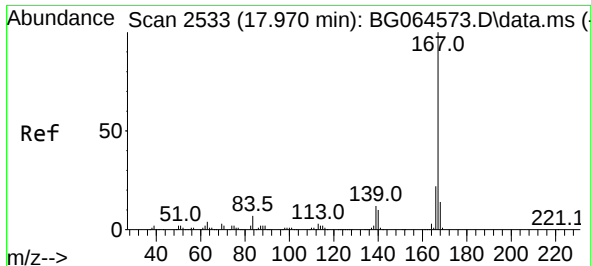
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#72
Anthracene
Concen: 51.635 ng
RT: 17.711 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

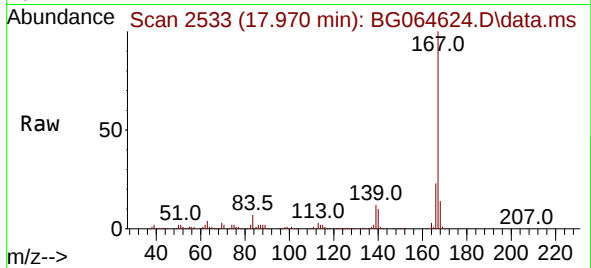
Tgt Ion:178 Resp: 640607
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 14.9 12.4 18.6





#73
 Carbazole
 Concen: 53.620 ng
 RT: 17.970 min Scan# 2533
 Delta R.T. -0.001 min
 Lab File: BG064624.D
 Acq: 29 Oct 2025 15:31

Instrument : BNA_G
 ClientSampleId : SOUTH-MAHWAH-SOILMS



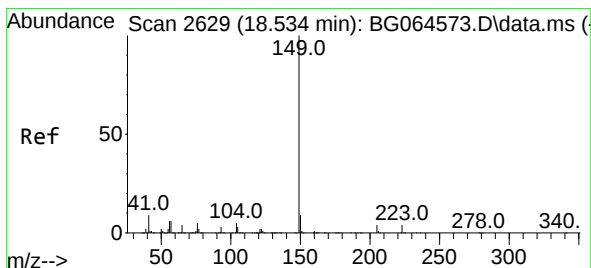
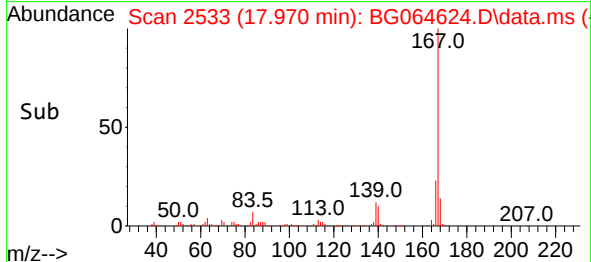
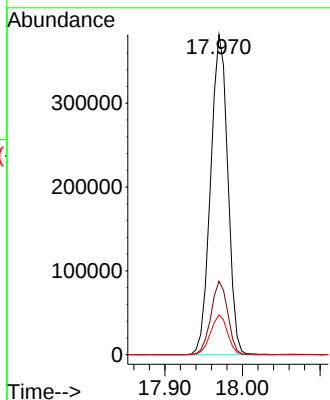
Tgt Ion:167 Resp: 586609
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.9 26.9
 139 12.4 9.7 14.5

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

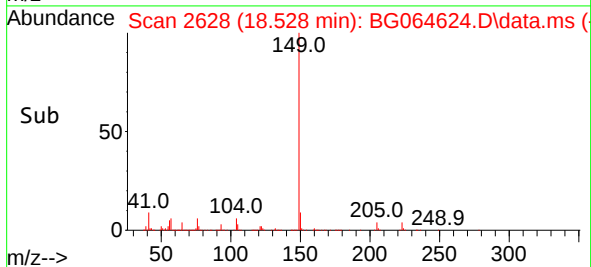
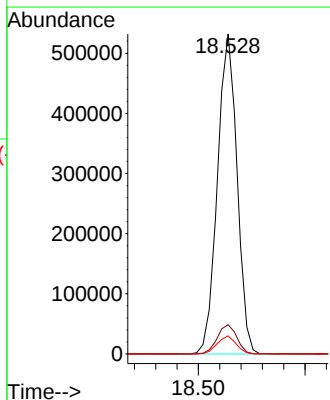
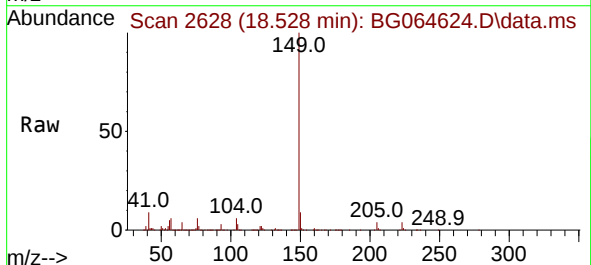
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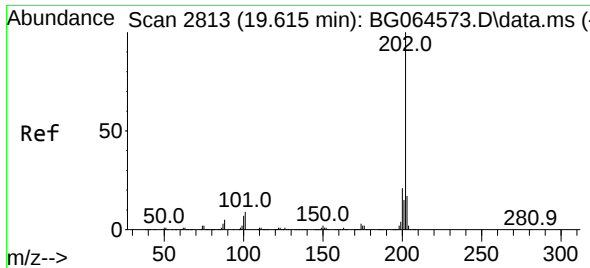
11/05/2025
 Supervised By :mohammad ahmed



#74
 Di-n-butylphthalate
 Concen: 53.561 ng
 RT: 18.528 min Scan# 2628
 Delta R.T. -0.007 min
 Lab File: BG064624.D
 Acq: 29 Oct 2025 15:31

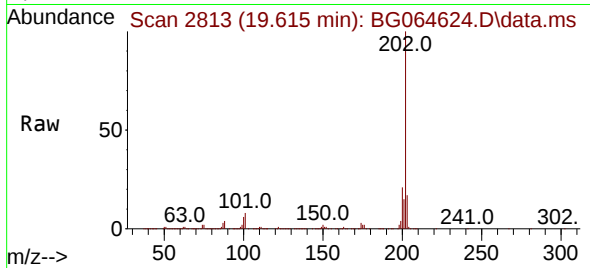
Tgt Ion:149 Resp: 677589
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.0 10.6
 104 5.7 4.1 6.1





#75
Fluoranthene
Concen: 53.722 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

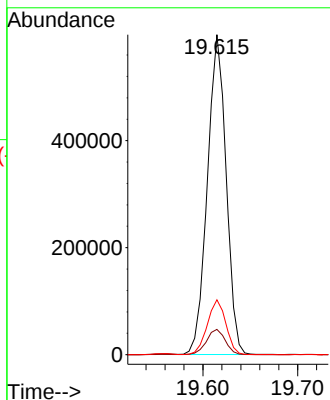
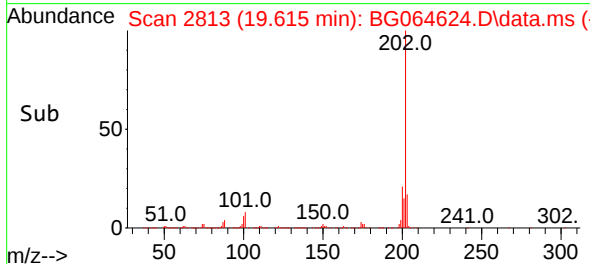
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:202 Resp: 82080
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.7
203 17.2 0.0 37.0

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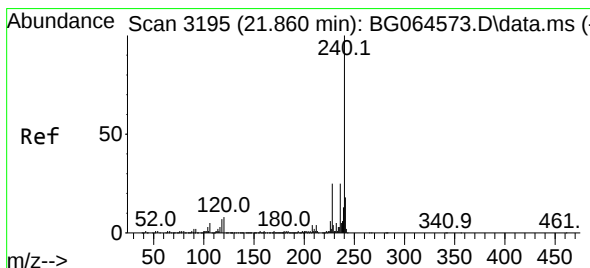
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



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Supervised By :mohammad
ahmed

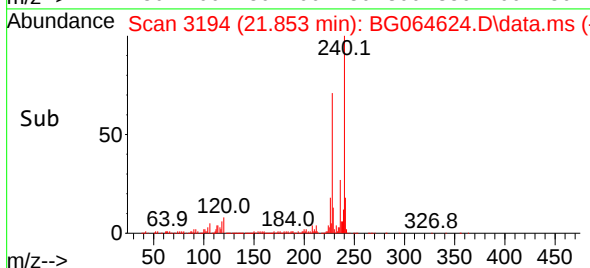
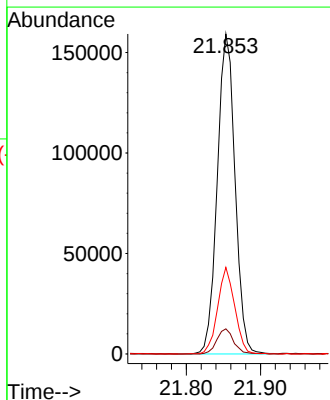
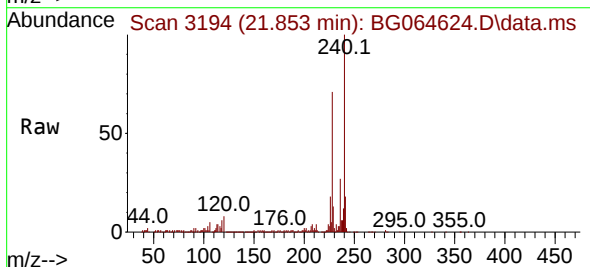
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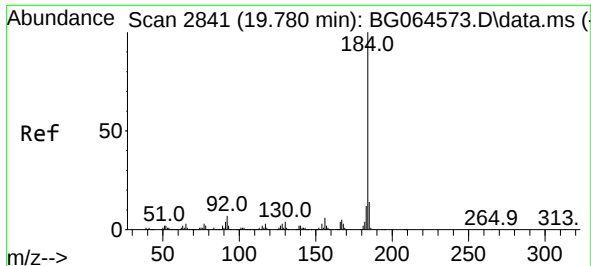
11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

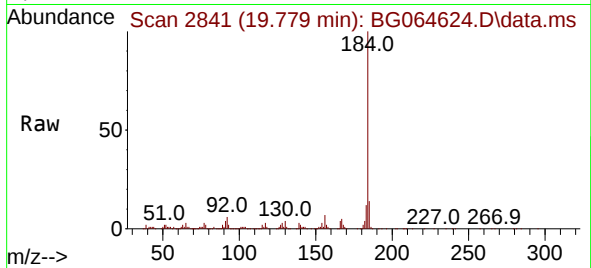
Tgt Ion:240 Resp: 264828
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 27.1 20.2 30.2





#77
Benzidine
Concen: 56.541 ng
RT: 19.779 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

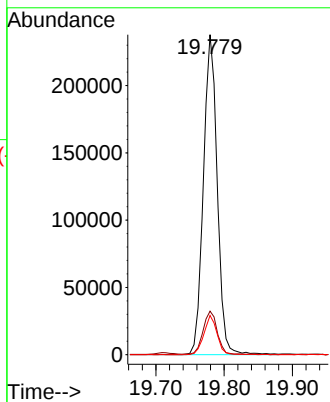
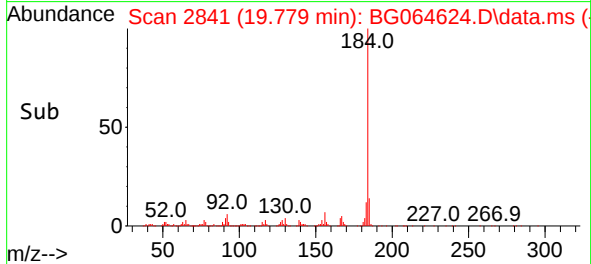
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:184 Resp: 335470
Ion Ratio Lower Upper
184 100
185 13.6 11.4 17.2
183 12.2 9.4 14.2

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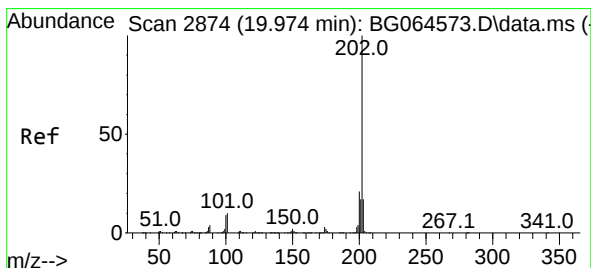
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



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ahmed

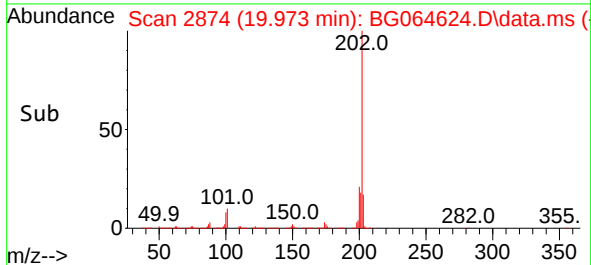
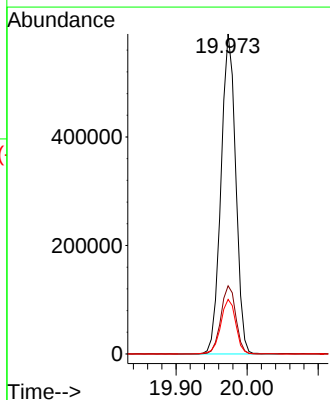
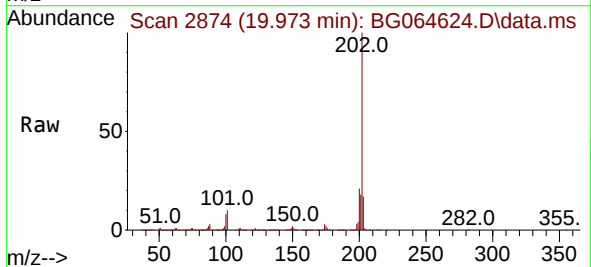
11/05/2025
Supervised By :mohammad
ahmed

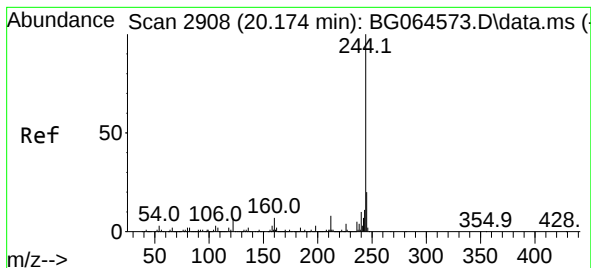
11/05/2025



#78
Pyrene
Concen: 48.891 ng
RT: 19.973 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Tgt Ion:202 Resp: 845932
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.0 13.8 20.6





#79

Terphenyl-d14

Concen: 52.261 ng

RT: 20.167 min Scan# 2907

Delta R.T. -0.007 min

Lab File: BG064624.D

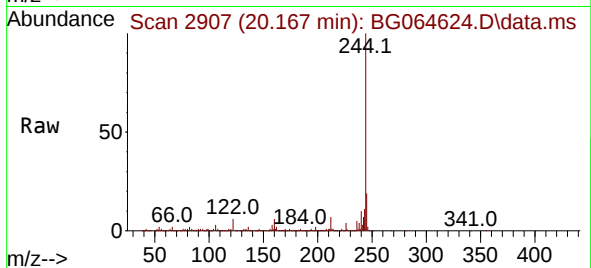
Acq: 29 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS



Tgt Ion:244 Resp: 733389

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.2 5.6 8.4

Manual Integrations

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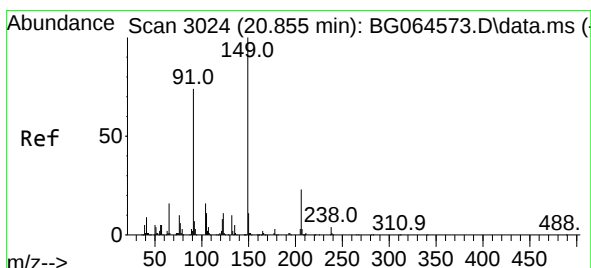
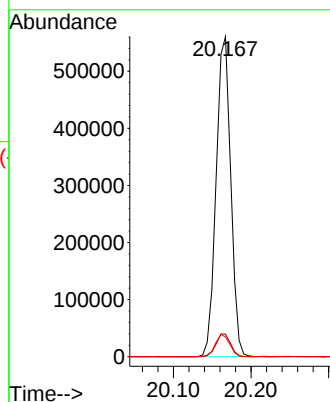
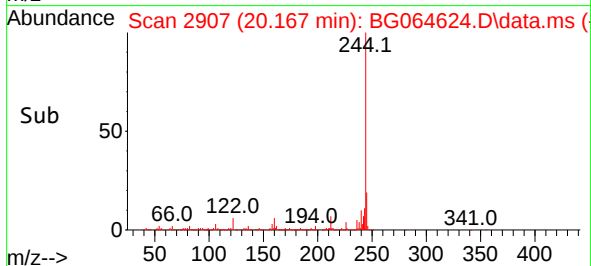
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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ahmed

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Supervised By :mohammad
ahmed



#80

Butylbenzylphthalate

Concen: 60.384 ng

RT: 20.849 min Scan# 3023

Delta R.T. -0.007 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

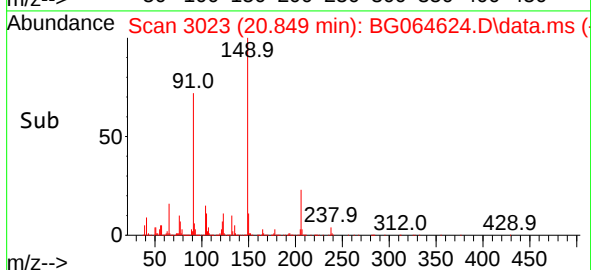
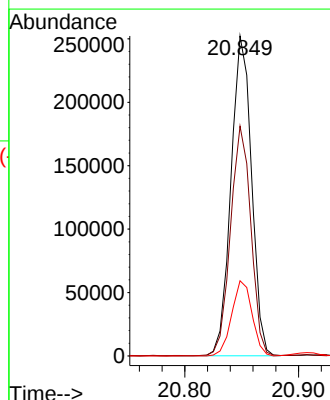
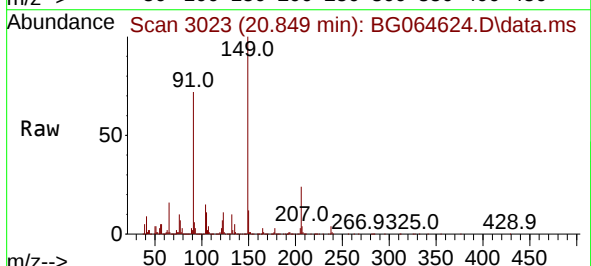
Tgt Ion:149 Resp: 315774

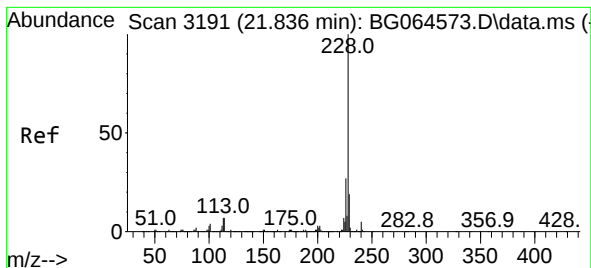
Ion Ratio Lower Upper

149 100

91 71.8 59.2 88.8

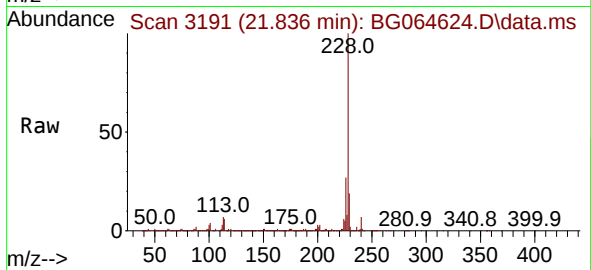
206 23.5 18.1 27.1





#81
Benzo(a)anthracene
Concen: 53.928 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

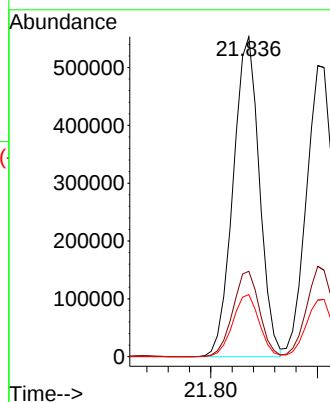
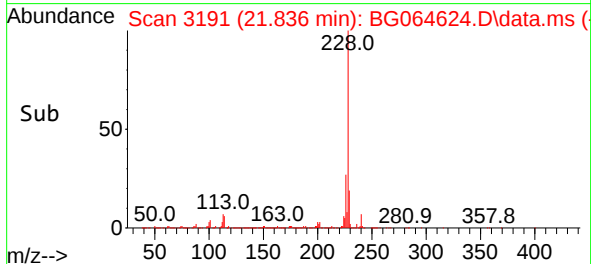
Instrument : BNA_G
ClientSampleId : SOUTH-MAHWAH-SOILMS



Tgt Ion:228 Resp: 94696
Ion Ratio Lower Upper
228 100
226 26.7 21.9 32.9
229 19.4 15.6 23.4

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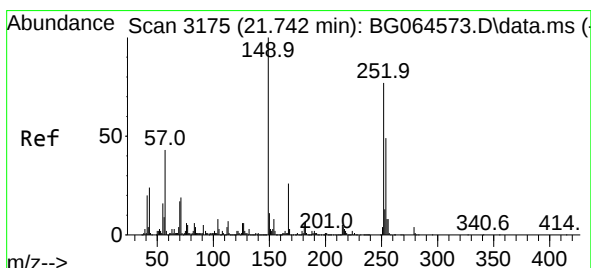
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



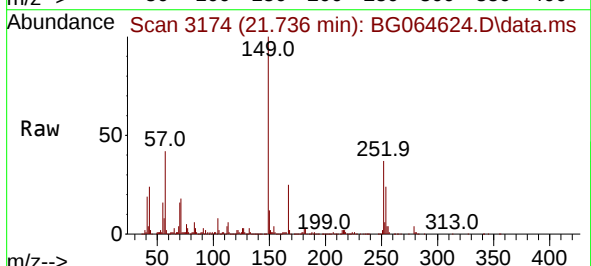
11/04/2025
Supervised By :mohammad ahmed

11/05/2025
Supervised By :mohammad ahmed

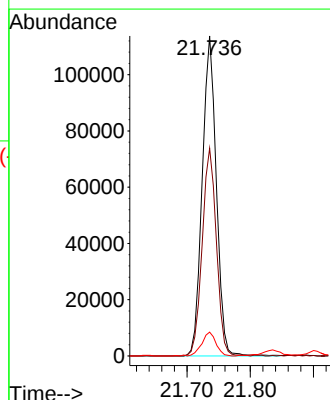
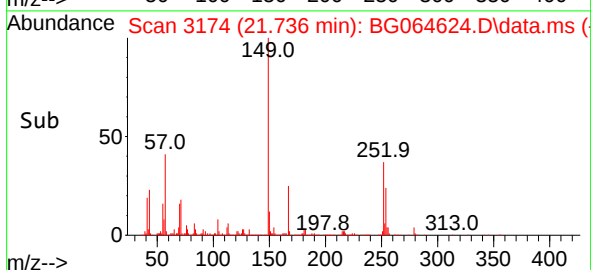
11/05/2025

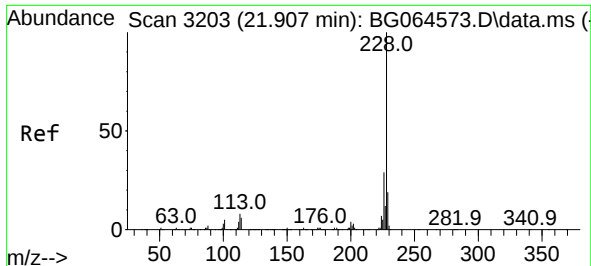


#82
3,3'-Dichlorobenzidine
Concen: 30.012 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



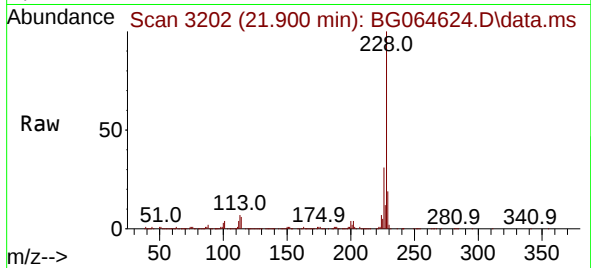
Tgt Ion:252 Resp: 175979
Ion Ratio Lower Upper
252 100
254 64.9 50.8 76.2
126 7.4 5.8 8.6





#83
Chrysene
Concen: 52.562 ng
RT: 21.900 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



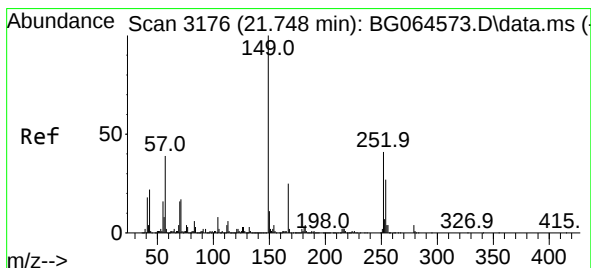
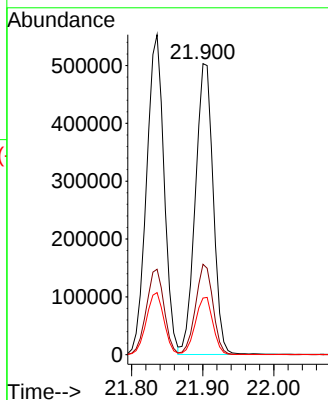
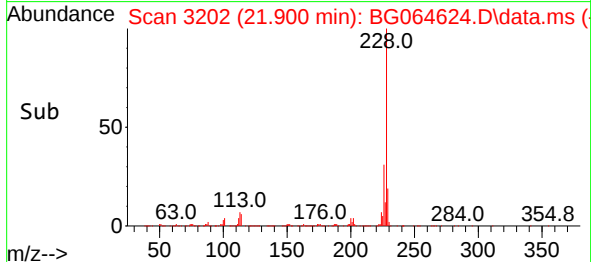
Tgt Ion:228 Resp: 87822
Ion Ratio Lower Upper
228 100
226 31.1 23.3 34.9
229 19.4 15.2 22.8

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

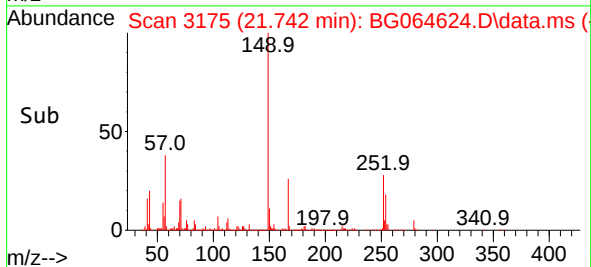
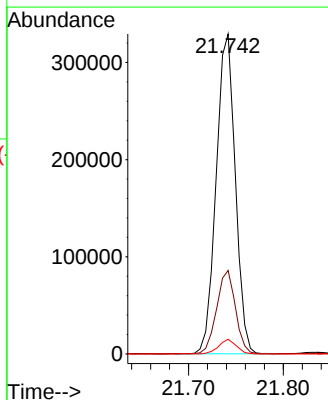
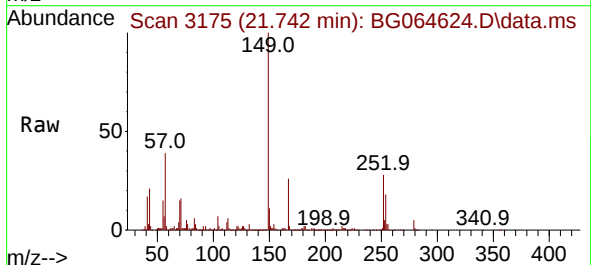
11/04/2025
Supervised By :mohammad
ahmed

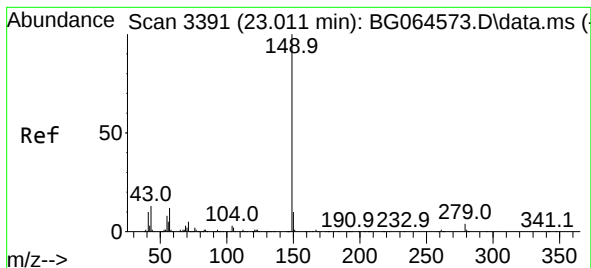
11/05/2025
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#84
Bis(2-ethylhexyl)phthalate
Concen: 59.022 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

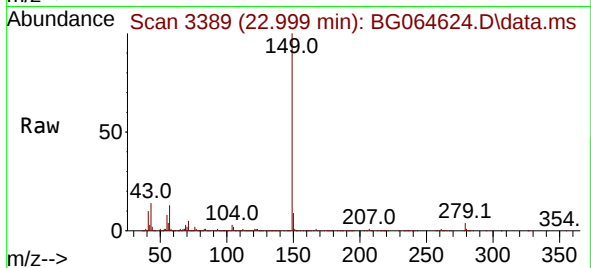
Tgt Ion:149 Resp: 461198
Ion Ratio Lower Upper
149 100
167 26.1 20.0 30.0
279 4.6 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 60.081 ng
RT: 22.999 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



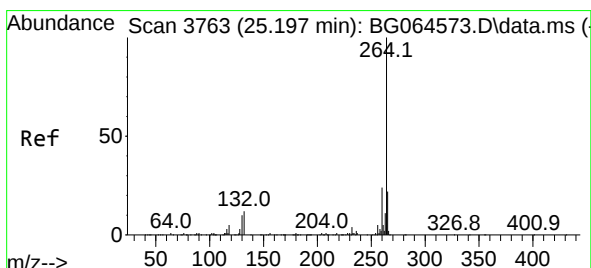
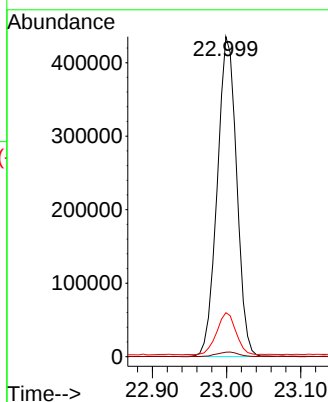
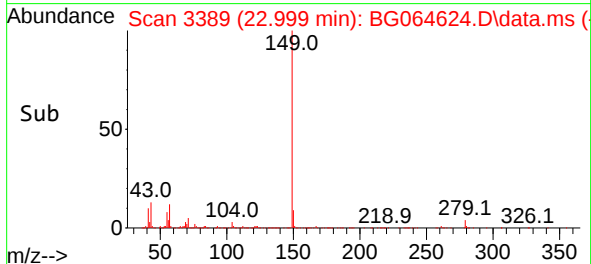
Tgt Ion:149 Resp: 79153
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 13.0 10.8 16.2

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Supervised By :mohammad ahmed 11/05/2025

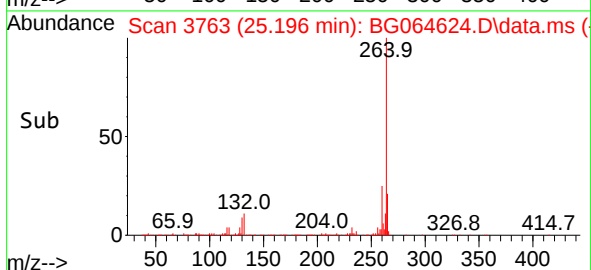
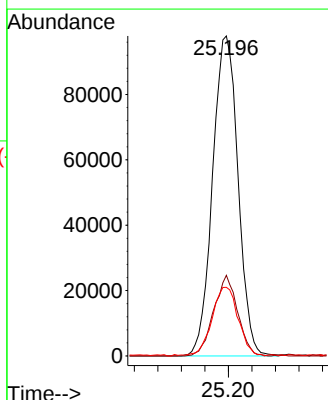
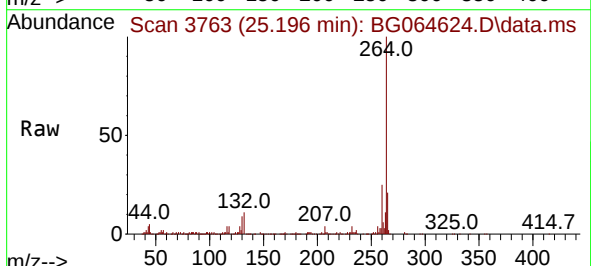
11/04/2025
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ahmed

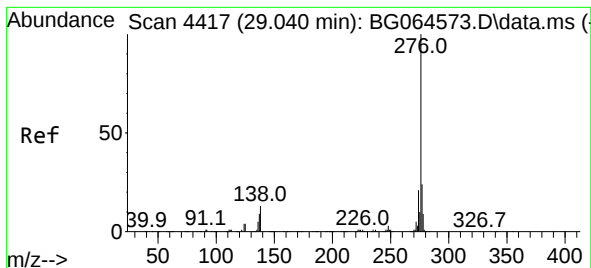
11/05/2025
Supervised By :mohammad
ahmed



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.196 min Scan# 3763
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

Tgt Ion:264 Resp: 294081
Ion Ratio Lower Upper
264 100
260 25.2 19.0 28.4
265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.837 ng

RT: 29.033 min Scan# 4417

Delta R.T. -0.007 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOILMS

Tgt Ion:276 Resp: 114306

Ion Ratio Lower Upper

276 100

138 15.8 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

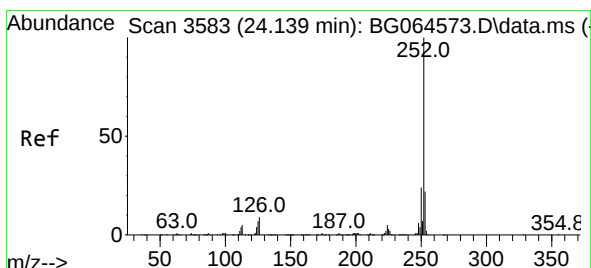
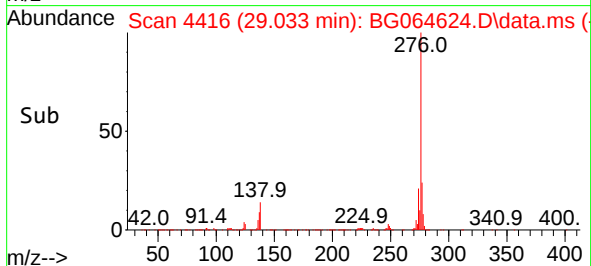
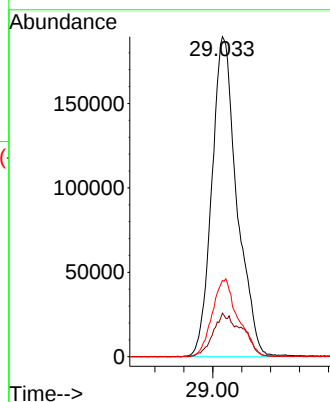
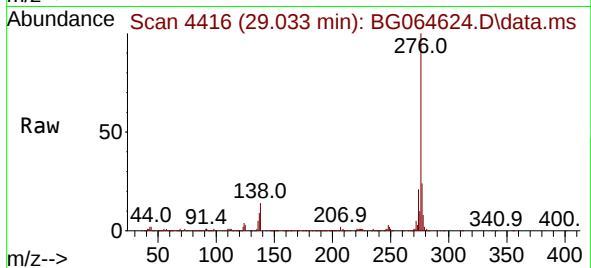
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ahmed

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ahmed

11/05/2025



#88

Benzo(b)fluoranthene

Concen: 51.910 ng

RT: 24.139 min Scan# 3583

Delta R.T. -0.001 min

Lab File: BG064624.D

Acq: 29 Oct 2025 15:31

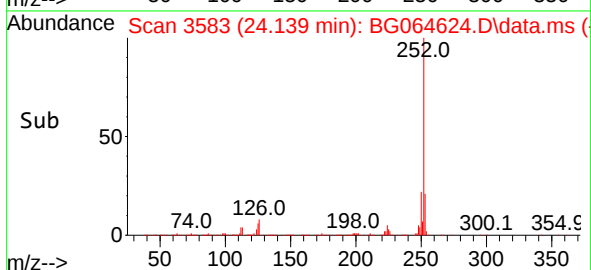
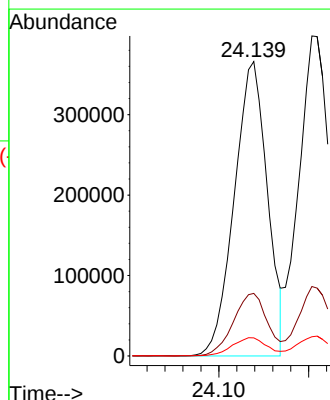
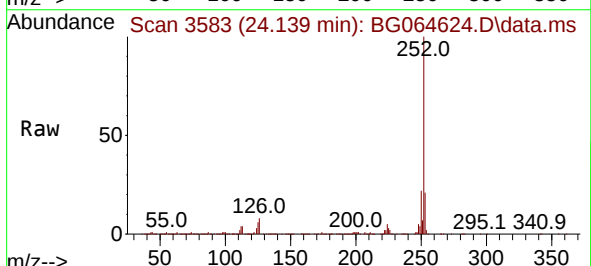
Tgt Ion:252 Resp: 936096

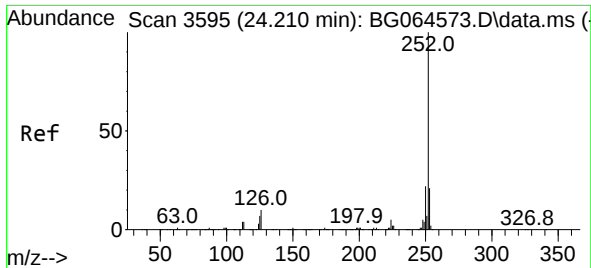
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

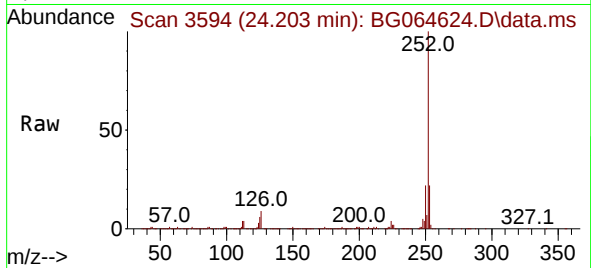
125 6.1 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 53.329 ng
RT: 24.203 min Scan# 3594
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

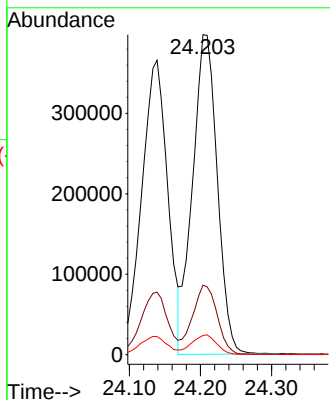
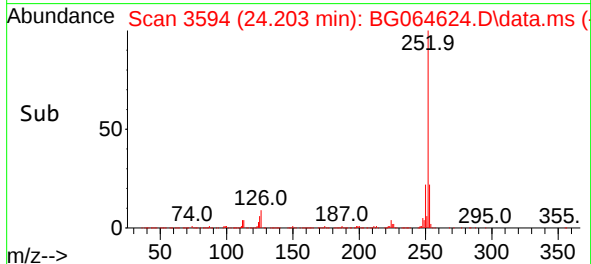
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:252 Resp: 962350
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 6.0 5.4 8.0

Manual Integrations
APPROVED

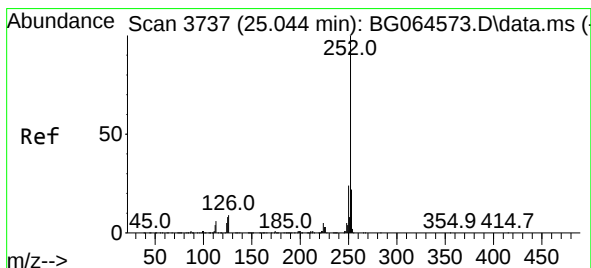
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



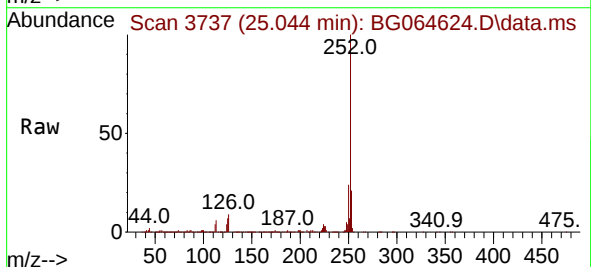
11/04/2025
Supervised By :mohammad
ahmed

11/05/2025
Supervised By :mohammad
ahmed

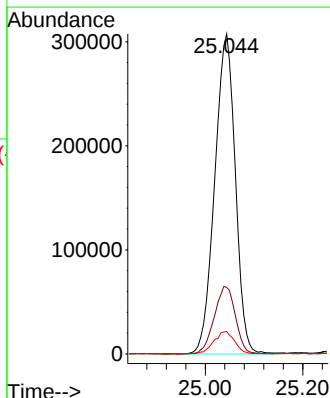
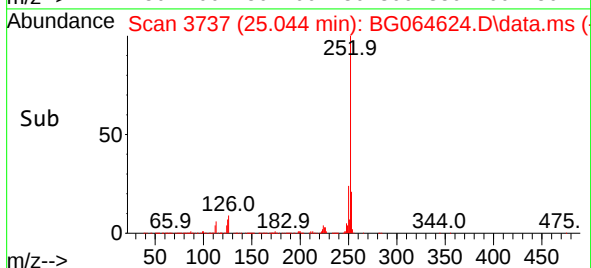
11/05/2025

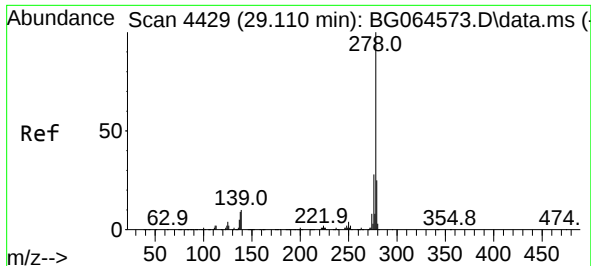


#90
Benzo(a)pyrene
Concen: 54.420 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



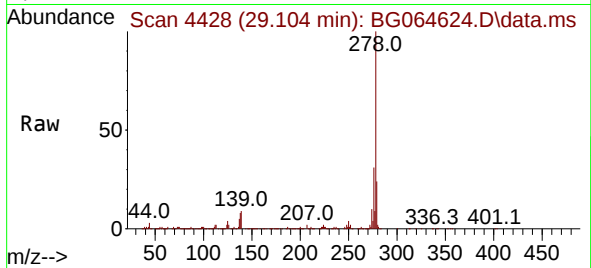
Tgt Ion:252 Resp: 902072
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 7.1 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 53.346 ng
RT: 29.104 min Scan# 4429
Delta R.T. -0.007 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31

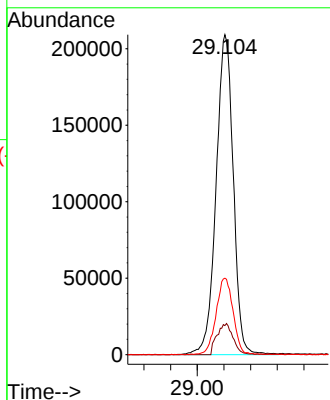
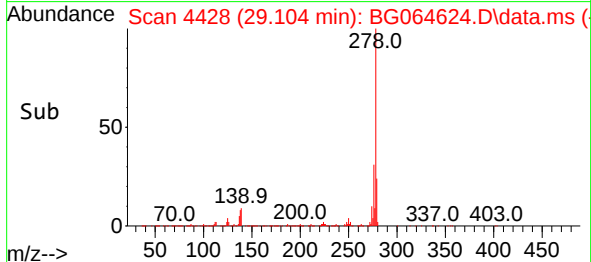
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOILMS



Tgt Ion:278 Resp: 93759
Ion Ratio Lower Upper
278 100
139 9.1 8.0 12.0
279 23.9 19.8 29.6

Manual Integrations
APPROVED

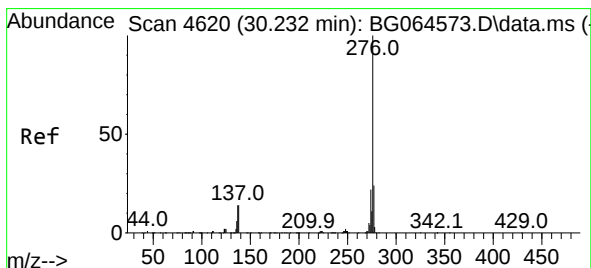
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



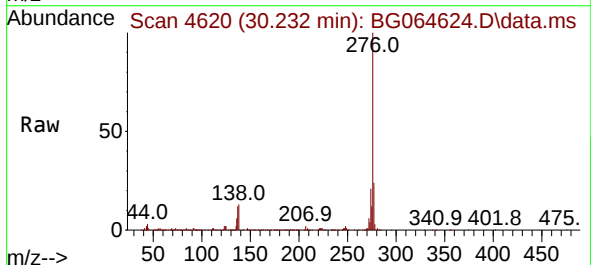
11/04/2025
Supervised By :mohammad
ahmed

11/05/2025
Supervised By :mohammad
ahmed

11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 53.948 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064624.D
Acq: 29 Oct 2025 15:31



Tgt Ion:276 Resp: 905766
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 12.8 11.3 16.9

