

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064310.D
 Acq On : 8 Sep 2025 17:00
 Operator : RC/JU
 Sample : Q3032-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

Quant Time: Sep 08 17:48:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	27870	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	120718	20.000	ng	-0.01
39) Acenaphthene-d10	14.473	164	87528	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	206725	20.000	ng	# 0.00
76) Chrysene-d12	21.453	240	233045	20.000	ng	# 0.00
86) Perylene-d12	24.462	264	259001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	185441	119.375	ng	0.00
7) Phenol-d6	7.023	99	238739	111.866	ng	0.00
23) Nitrobenzene-d5	9.003	82	166455	76.900	ng	-0.01
42) 2,4,6-Tribromophenol	15.966	330	163125	140.704	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	401380	69.994	ng	-0.01
79) Terphenyl-d14	19.838	244	809278	72.451	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.351	88	22111	34.149	ng	97
3) Pyridine	3.739	79	59602	31.271	ng	# 61
4) n-Nitrosodimethylamine	3.657	42	57978	45.990	ng	96
6) Aniline	7.176	93	68303	23.144	ng	98
8) 2-Chlorophenol	7.417	128	86095	45.355	ng	94
9) Benzaldehyde	6.988	77	55690	31.709	ng	92
10) Phenol	7.053	94	103654	44.053	ng	86
11) bis(2-Chloroethyl)ether	7.276	93	68007	38.463	ng	97
12) 1,3-Dichlorobenzene	7.740	146	91683	45.400	ng	98
13) 1,4-Dichlorobenzene	7.887	146	94629	46.430	ng	96
14) 1,2-Dichlorobenzene	8.198	146	91442	46.487	ng	94
15) Benzyl Alcohol	8.087	79	85745	43.538	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.381	45	127962	31.699	ng	98
17) 2-Methylphenol	8.292	107	72577	41.388	ng	94
18) Hexachloroethane	8.927	117	35599	44.746	ng	90
19) n-Nitroso-di-n-propyla...	8.651	70	61329	37.548	ng	98
20) 3+4-Methylphenols	8.616	107	99748	40.937	ng	93
22) Acetophenone	8.668	105	146897	48.099	ng	# 96
24) Nitrobenzene	9.044	77	97803	43.246	ng	99
25) Isophorone	9.567	82	178056	39.580	ng	97
26) 2-Nitrophenol	9.750	139	47280	48.383	ng	# 85
27) 2,4-Dimethylphenol	9.820	122	83929	48.919	ng	97
28) bis(2-Chloroethoxy)met...	10.049	93	96059	39.600	ng	98
29) 2,4-Dichlorophenol	10.290	162	87186	48.163	ng	98
30) 1,2,4-Trichlorobenzene	10.502	180	95271	49.914	ng	97
31) Naphthalene	10.690	128	275340	43.985	ng	99
32) Benzoic acid	9.985	122	64860	47.625	ng	94
33) 4-Chloroaniline	10.795	127	35520	14.640	ng	96
34) Hexachlorobutadiene	10.977	225	71798	50.888	ng	90
35) Caprolactam	11.571	113	27143m	38.724	ng	
36) 4-Chloro-3-methylphenol	11.923	107	106030	45.144	ng	94
37) 2-Methylnaphthalene	12.299	142	183916	39.526	ng	97
38) 1-Methylnaphthalene	12.517	142	195742m	42.591	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	137289	54.362	ng	98
41) Hexachlorocyclopentadiene	12.652	237	154095	128.384	ng	91
43) 2,4,6-Trichlorophenol	12.905	196	79291	46.974	ng	95

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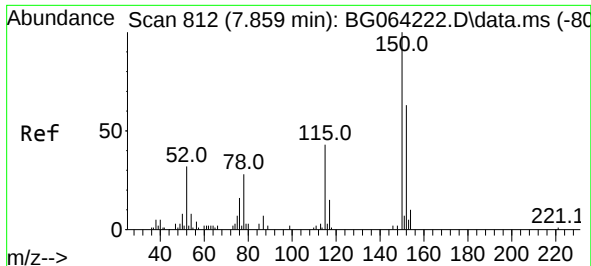
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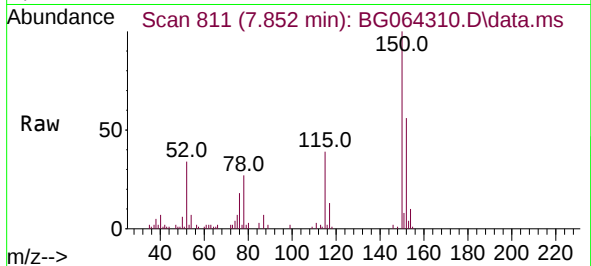
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	92410	50.468	ng	96
46) 1,1'-Biphenyl	13.310	154	310520	48.708	ng	98
47) 2-Chloronaphthalene	13.351	162	211051	44.036	ng	99
48) 2-Nitroaniline	13.551	65	75472	46.201	ng	95
49) Acenaphthylene	14.197	152	357742	50.494	ng	98
50) Dimethylphthalate	13.939	163	271891	41.039	ng	99
51) 2,6-Dinitrotoluene	14.050	165	64070	49.954	ng	94
52) Acenaphthene	14.538	154	213682	42.738	ng	98
53) 3-Nitroaniline	14.379	138	34998	26.050	ng	98
54) 2,4-Dinitrophenol	14.585	184	73914	87.626	ng	# 82
55) Dibenzofuran	14.879	168	354798	45.115	ng	99
56) 4-Nitrophenol	14.703	139	107466	97.513	ng	# 88
57) 2,4-Dinitrotoluene	14.844	165	94972	48.973	ng	94
58) Fluorene	15.525	166	296561	46.009	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.102	232	92362	52.444	ng	97
60) Diethylphthalate	15.302	149	301053	42.460	ng	98
61) 4-Chlorophenyl-phenyle...	15.519	204	148559	46.226	ng	98
62) 4-Nitroaniline	15.543	138	61057	44.537	ng	91
63) Azobenzene	15.813	77	287494	45.493	ng	94
65) 4,6-Dinitro-2-methylph...	15.602	198	57666	48.587	ng	98
66) n-Nitrosodiphenylamine	15.737	169	261455	45.976	ng	99
67) 4-Bromophenyl-phenylether	16.412	248	104973	47.809	ng	96
68) Hexachlorobenzene	16.530	284	121414	49.795	ng	94
69) Atrazine	16.688	200	117720	49.577	ng	95
70) Pentachlorophenol	16.871	266	164105	111.000	ng	# 91
71) Phenanthrene	17.258	178	505490	46.361	ng	97
72) Anthracene	17.352	178	516321	46.553	ng	99
73) Carbazole	17.617	167	467776	47.876	ng	99
74) Di-n-butylphthalate	18.187	149	548947	46.765	ng	98
75) Fluoranthene	19.274	202	647405	50.498	ng	97
77) Benzidine	19.456	184	325569	66.409	ng	99
78) Pyrene	19.632	202	661640	45.064	ng	99
80) Butylbenzylphthalate	20.531	149	256913	46.393	ng	93
81) Benzo(a)anthracene	21.436	228	693804	46.535	ng	100
82) 3,3'-Dichlorobenzidine	21.354	252	101671	20.939	ng	# 99
83) Chrysene	21.495	228	651473	45.515	ng	99
84) Bis(2-ethylhexyl)phtha...	21.359	149	382322	45.985	ng	98
85) Di-n-octyl phthalate	22.499	149	643938	44.451	ng	97
87) Indeno(1,2,3-cd)pyrene	27.858	276	843553	47.692	ng	# 97
88) Benzo(b)fluoranthene	23.516	252	709832	48.560	ng	# 98
89) Benzo(k)fluoranthene	23.580	252	699859	46.995	ng	# 96
90) Benzo(a)pyrene	24.327	252	669762	49.255	ng	# 98
91) Dibenzo(a,h)anthracene	27.916	278	672101	47.326	ng	98
92) Benzo(g,h,i)perylene	28.921	276	670011	48.485	ng	# 93

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

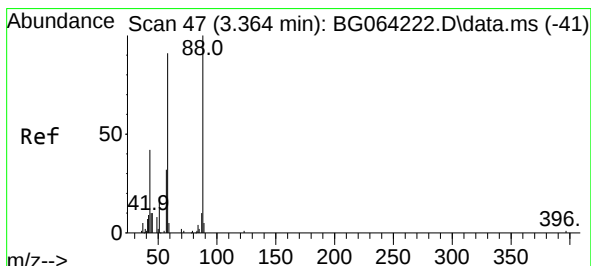
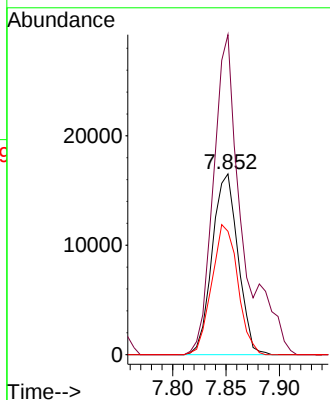
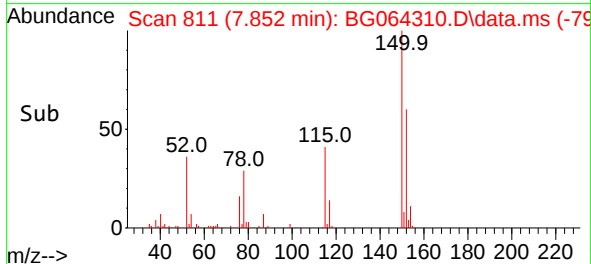
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion: 152 Resp: 27870
Ion Ratio Lower Upper
152 100
150 177.1 128.0 192.0
115 68.2 55.7 83.5

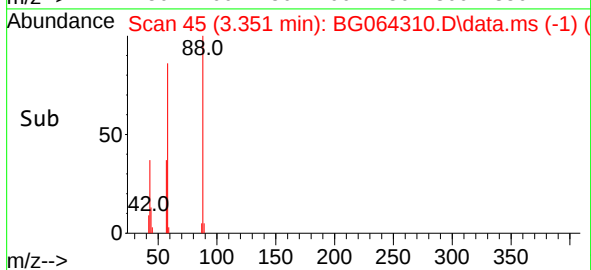
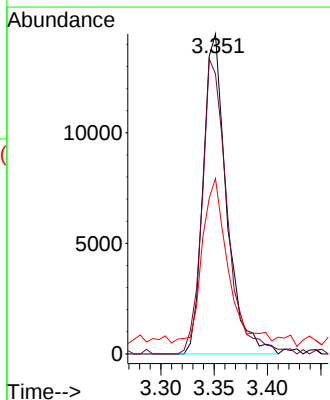
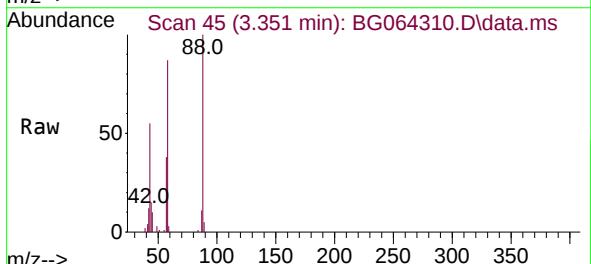
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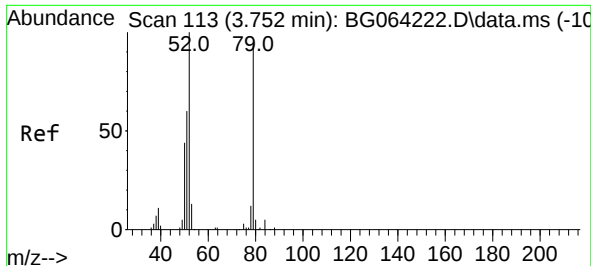
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#2
1,4-Dioxane
Concen: 34.149 ng
RT: 3.351 min Scan# 45
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

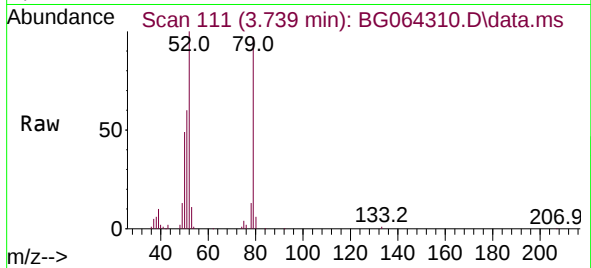
Tgt Ion: 88 Resp: 22111
Ion Ratio Lower Upper
88 100
58 98.7 80.8 121.2
43 53.7 40.3 60.5





#3
Pyridine
Concen: 31.271 ng
RT: 3.739 min Scan# 113
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

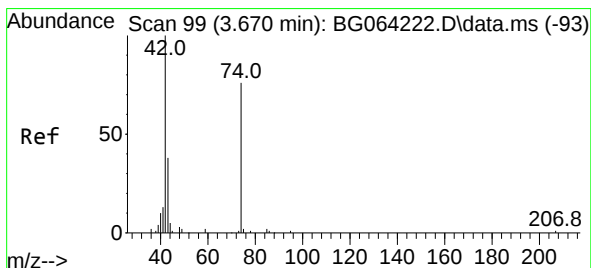
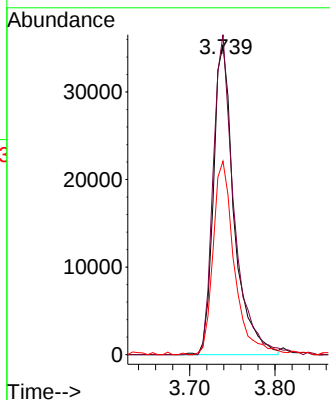
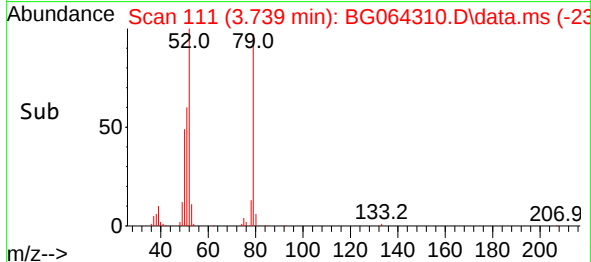
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion: 79 Resp: 59602
Ion Ratio Lower Upper
79 100
52 103.4 86.6 129.8
51 62.5 114.1 171.1

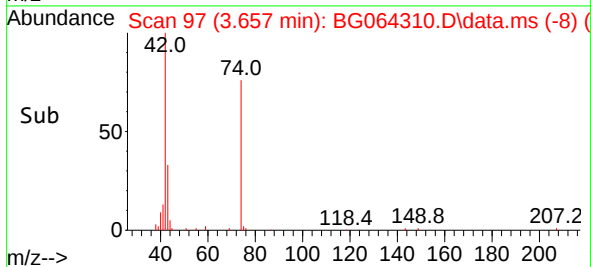
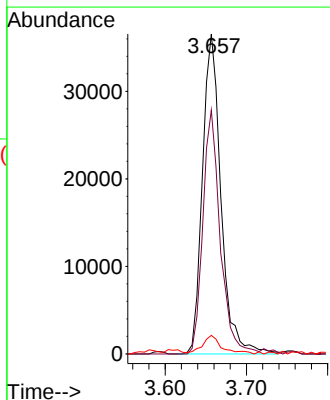
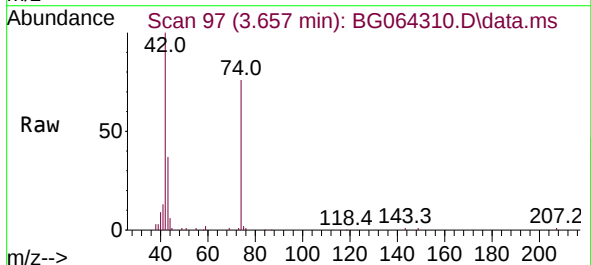
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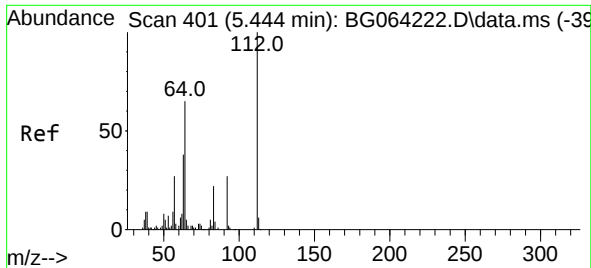
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Supervised By :Jagrut Upadhyay 09/09/2025



#4
n-Nitrosodimethylamine
Concen: 45.990 ng
RT: 3.657 min Scan# 97
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

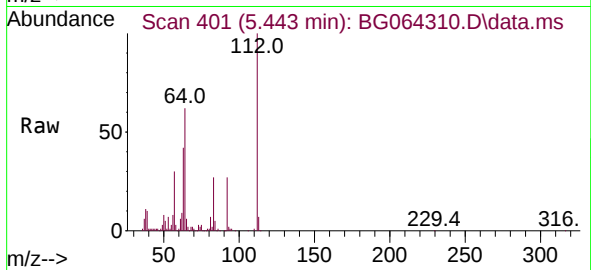
Tgt Ion: 42 Resp: 57978
Ion Ratio Lower Upper
42 100
74 76.2 58.0 87.0
44 5.8 5.5 8.3





#5
2-Fluorophenol
Concen: 119.375 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

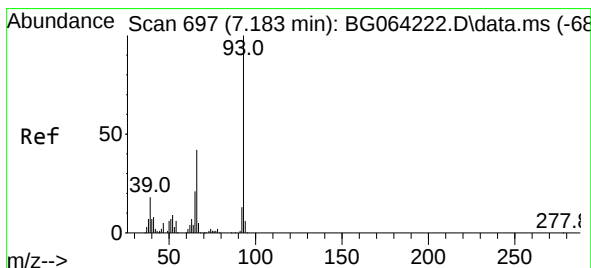
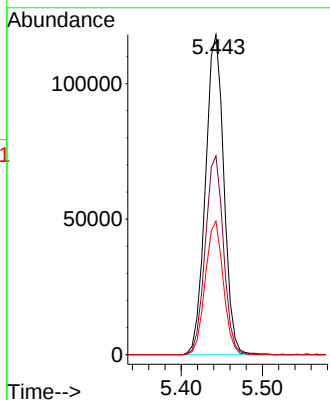
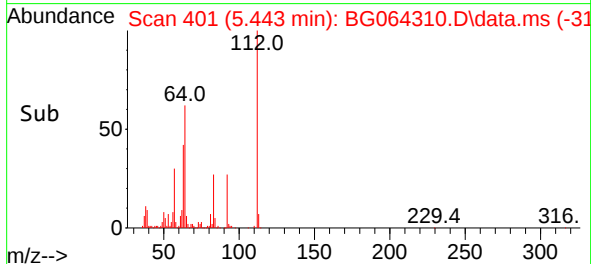
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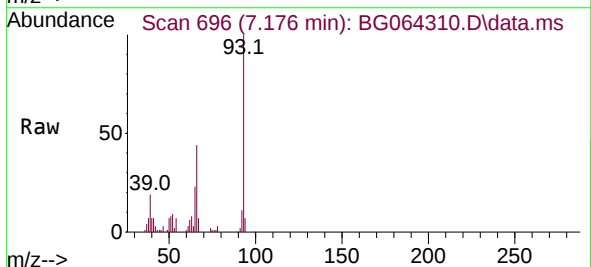
Tgt Ion:112 Resp: 18544
Ion Ratio Lower Upper
112 100
64 62.1 51.8 77.6
63 41.7 30.6 45.8

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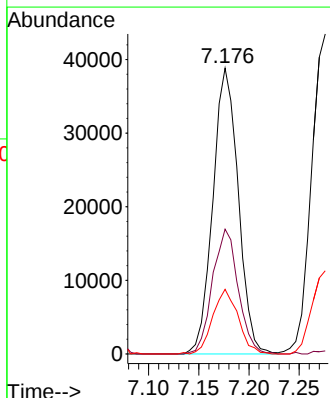
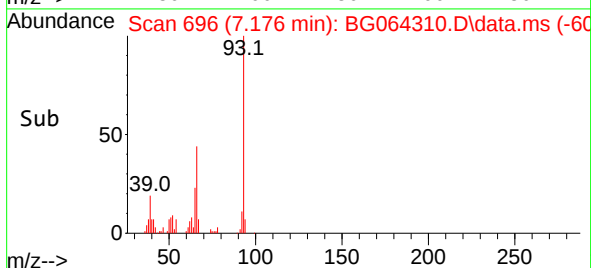
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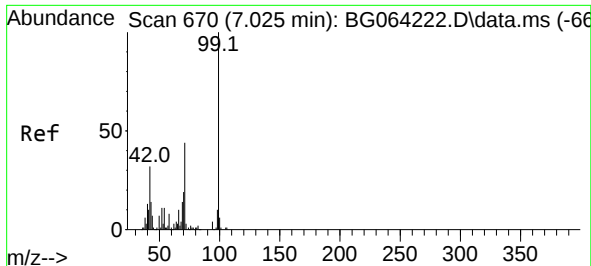


#6
Aniline
Concen: 23.144 ng
RT: 7.176 min Scan# 696
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



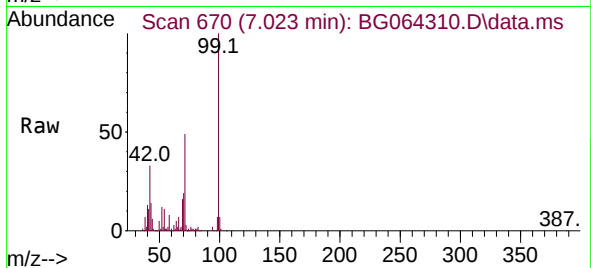
Tgt Ion: 93 Resp: 68303
Ion Ratio Lower Upper
93 100
66 43.7 33.8 50.8
65 22.6 16.9 25.3





#7
Phenol-d6
Concen: 111.866 ng
RT: 7.023 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

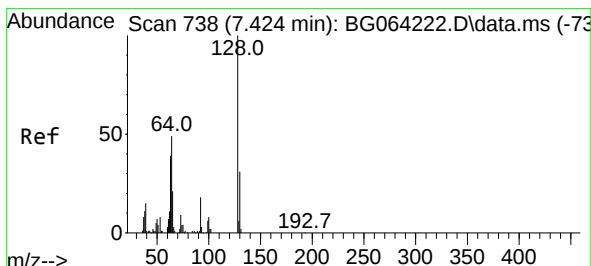
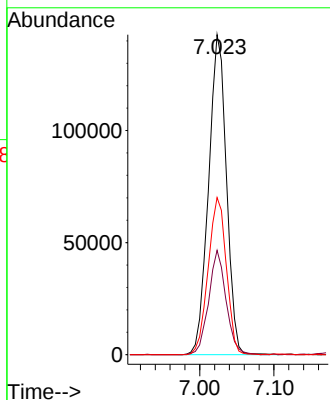
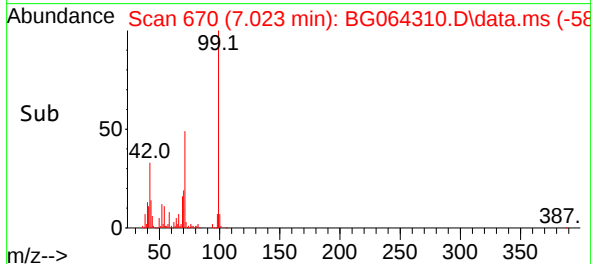
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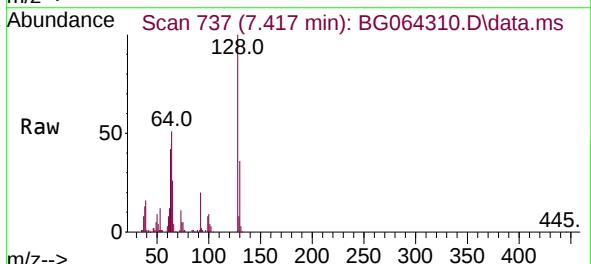
Tgt Ion: 99 Resp: 238739
Ion Ratio Lower Upper
99 100
42 32.6 25.8 38.8
71 49.1 35.2 52.8

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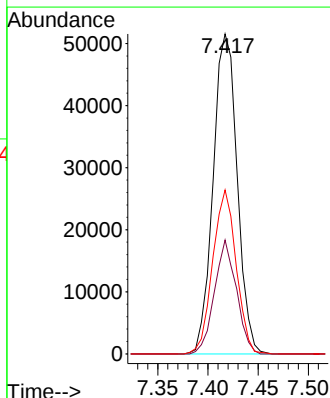
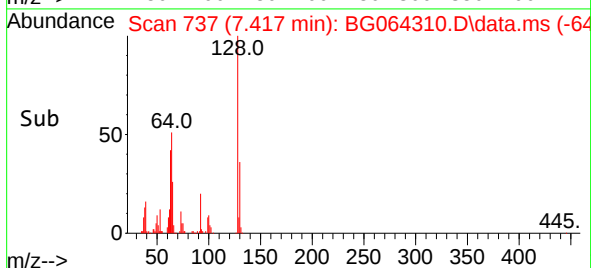
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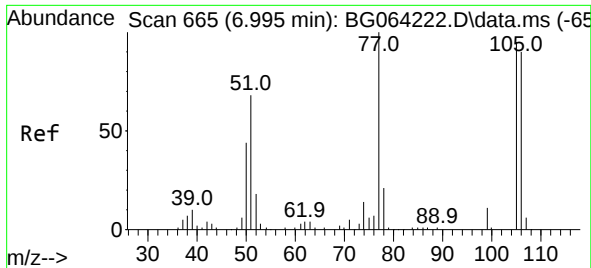


#8
2-Chlorophenol
Concen: 45.355 ng
RT: 7.417 min Scan# 737
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:128 Resp: 86095
Ion Ratio Lower Upper
128 100
130 35.6 10.9 50.9
64 51.2 28.7 68.7





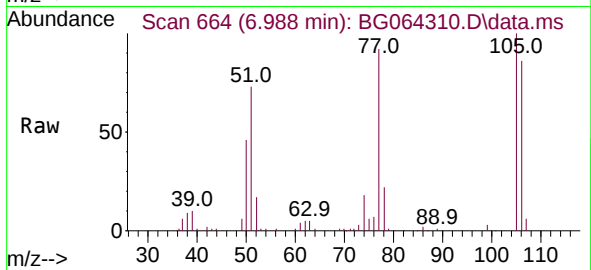
#9
Benzaldehyde
Concen: 31.709 ng
RT: 6.988 min Scan# 664
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



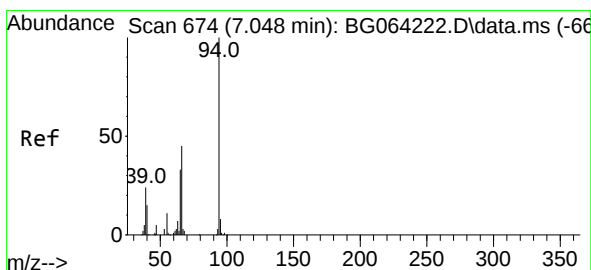
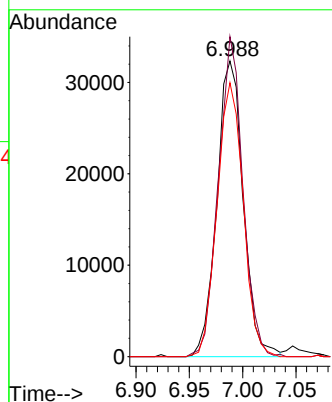
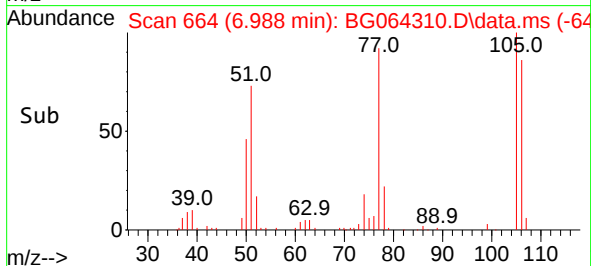
Tgt Ion: 77 Resp: 55690
Ion Ratio Lower Upper
77 100
105 108.3 75.2 115.2
106 92.6 69.6 109.6

Manual Integrations

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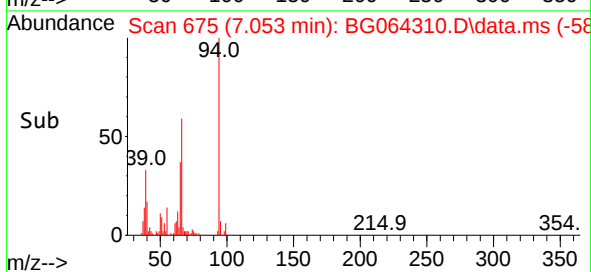
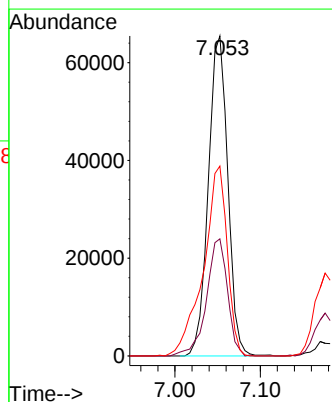
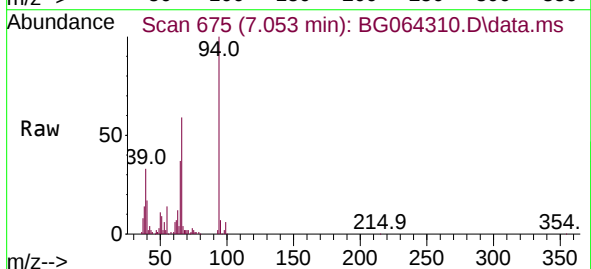
Reviewed By :Rahul Chavli 09/09/2025

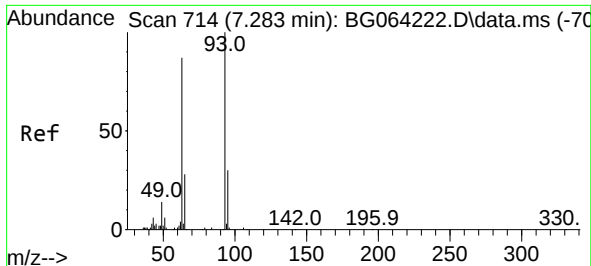
Supervised By :Jagrut Upadhyay 09/09/2025



#10
Phenol
Concen: 44.053 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

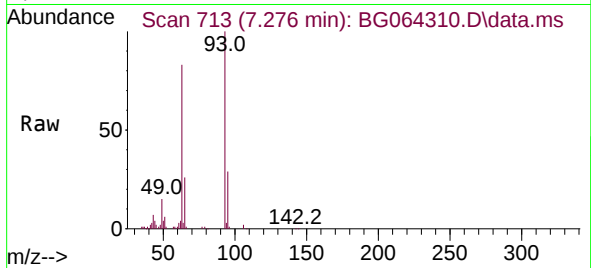
Tgt Ion: 94 Resp: 103654
Ion Ratio Lower Upper
94 100
65 36.6 13.5 53.5
66 59.3 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 38.463 ng
RT: 7.276 min Scan# 714
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

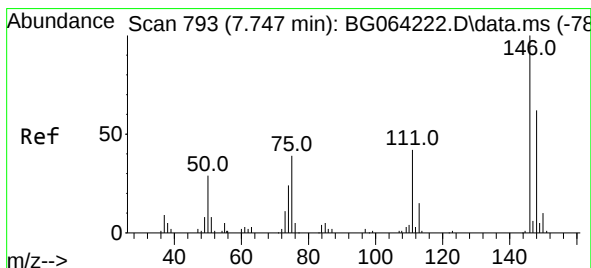
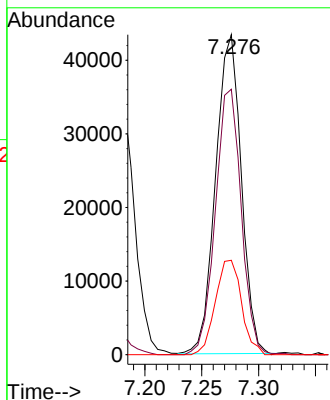
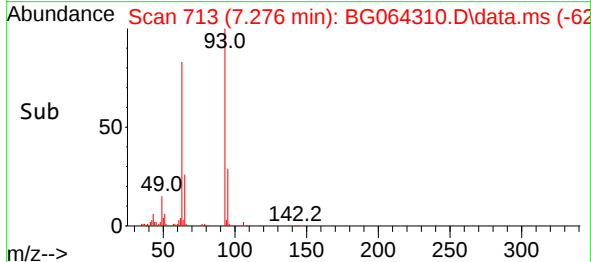
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion: 93 Resp: 6800
Ion Ratio Lower Upper
93 100
63 82.9 66.2 106.2
95 29.5 9.8 49.8

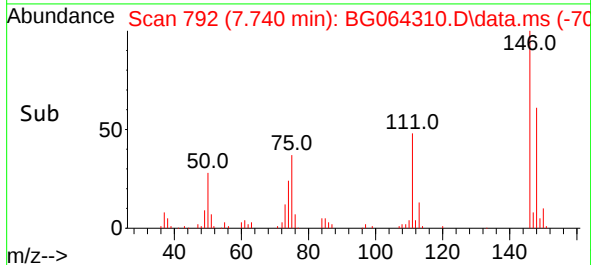
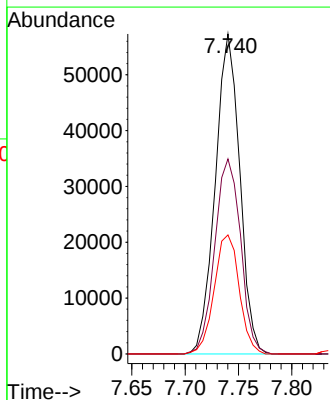
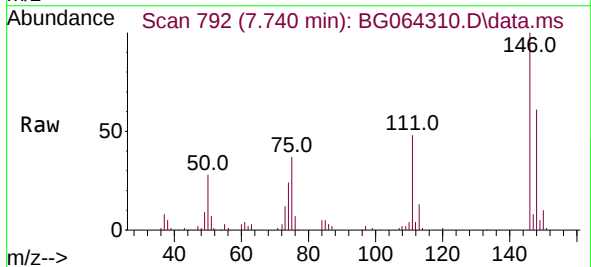
Manual Integrations
APPROVED

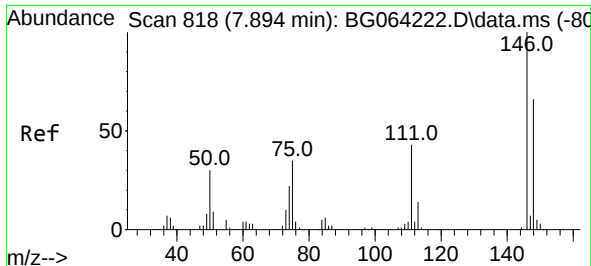
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#12
1,3-Dichlorobenzene
Concen: 45.400 ng
RT: 7.740 min Scan# 792
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:146 Resp: 91683
Ion Ratio Lower Upper
146 100
148 60.9 49.6 74.4
75 37.2 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 46.430 ng

RT: 7.887 min Scan# 81

Delta R.T. -0.007 min

Lab File: BG064310.D

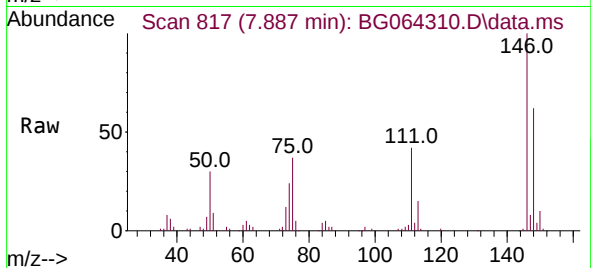
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



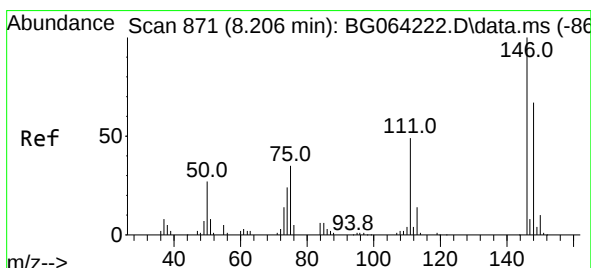
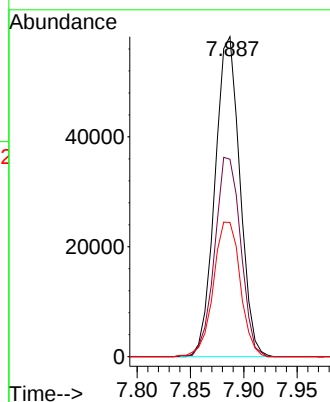
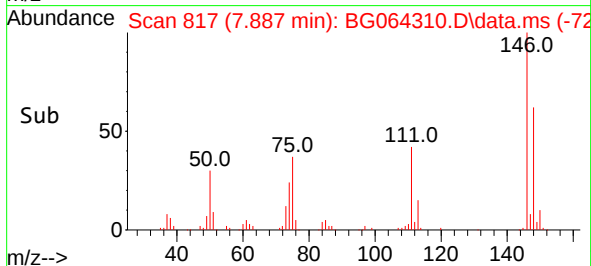
Tgt Ion:146	Resp:	94629
Ion Ratio	Lower	Upper
146	100	
148	61.7	52.8 79.2
111	41.9	34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#14

1,2-Dichlorobenzene

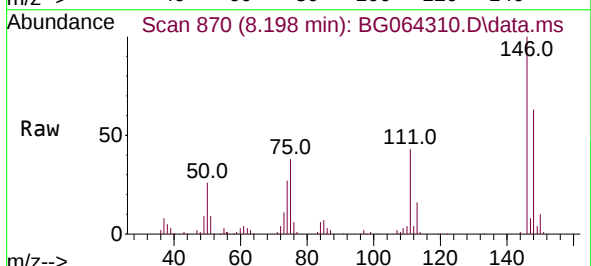
Concen: 46.487 ng

RT: 8.198 min Scan# 870

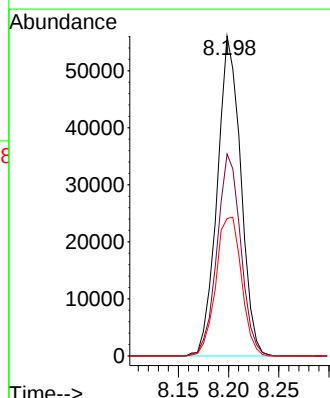
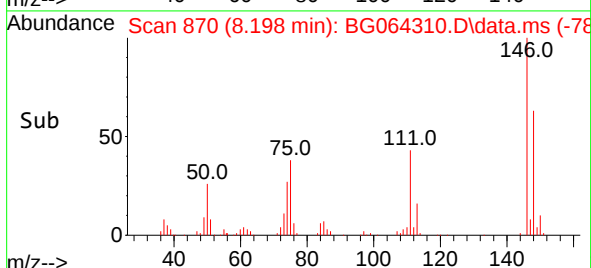
Delta R.T. -0.013 min

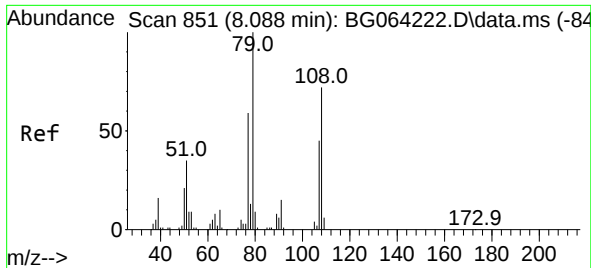
Lab File: BG064310.D

Acq: 8 Sep 2025 17:00



Tgt Ion:146	Resp:	91442
Ion Ratio	Lower	Upper
146	100	
148	63.1	53.4 80.0
111	42.9	39.1 58.7





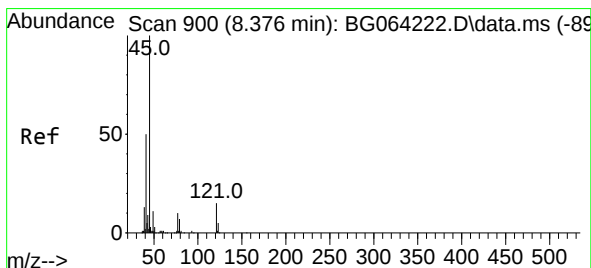
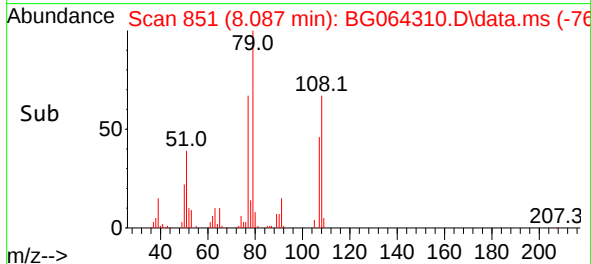
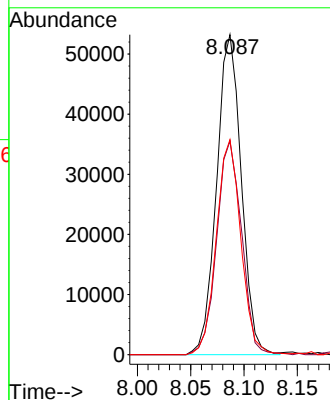
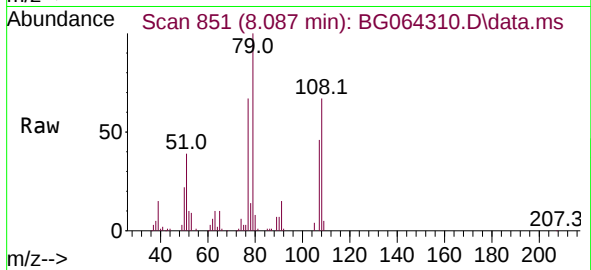
#15
Benzyl Alcohol
Concen: 43.538 ng
RT: 8.087 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS

Tgt Ion: 79 Resp: 85745
Ion Ratio Lower Upper
79 100
108 66.7 57.4 86.0
77 67.2 47.2 70.8

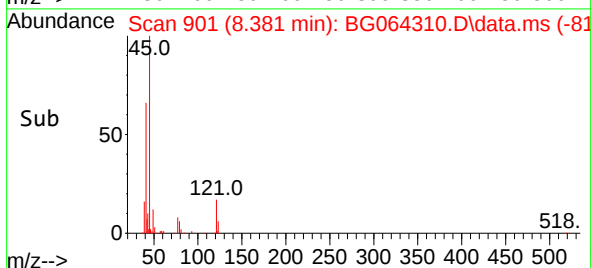
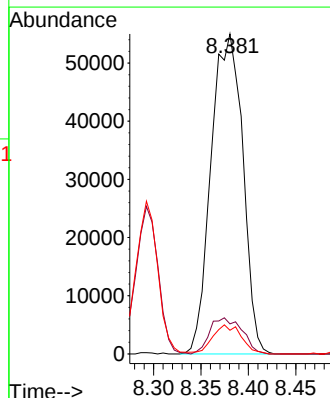
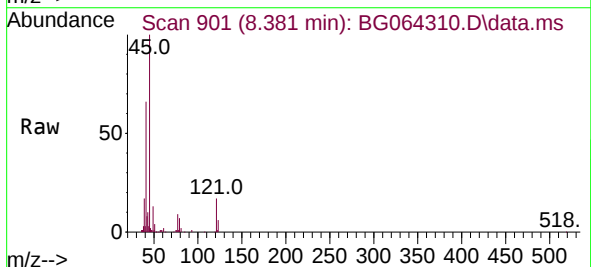
Manual Integrations
APPROVED

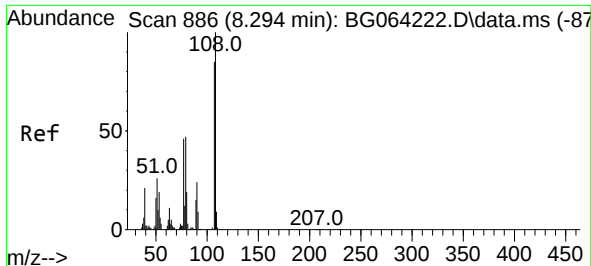
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.699 ng
RT: 8.381 min Scan# 901
Delta R.T. 0.004 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion: 45 Resp: 127962
Ion Ratio Lower Upper
45 100
77 9.4 0.0 30.0
79 7.4 0.0 27.9





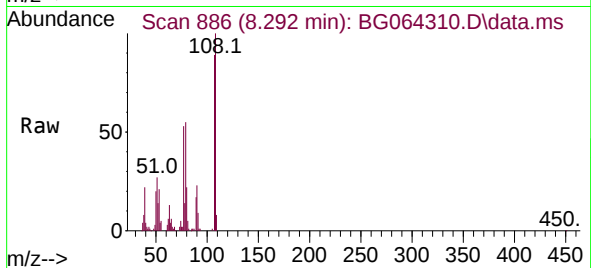
#17
2-Methylphenol
Concen: 41.388 ng
RT: 8.292 min Scan# 886
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



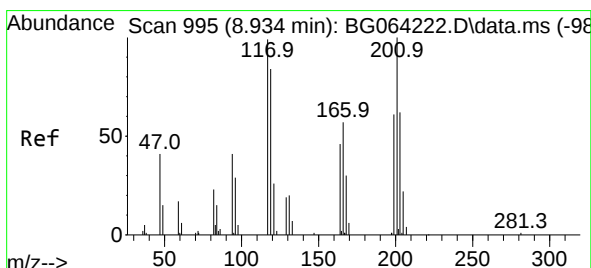
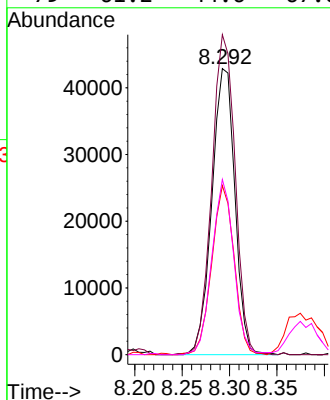
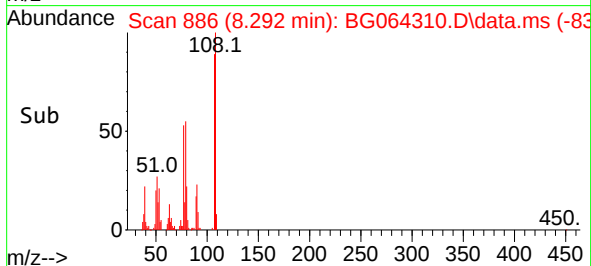
Tgt Ion:	107	Resp:	7257
Ion	Ratio	Lower	Upper
107	100		
108	111.9	94.6	141.8
77	59.1	43.7	65.5
79	61.2	44.6	67.0

Manual Integrations

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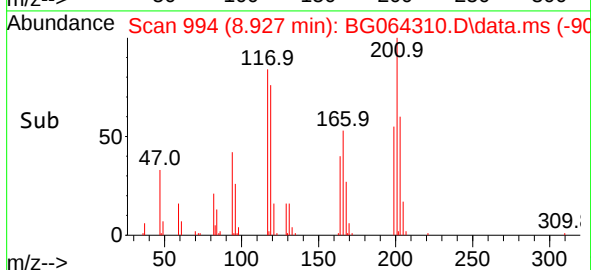
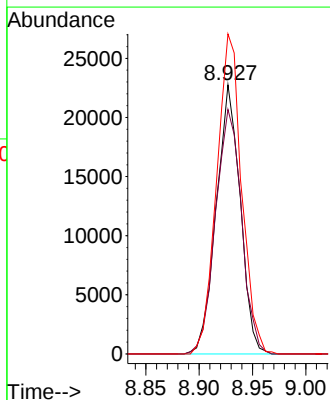
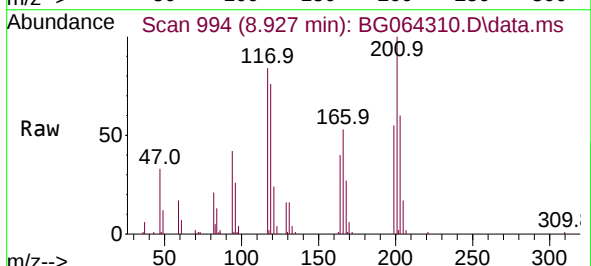
Reviewed By :Rahul Chavli 09/09/2025

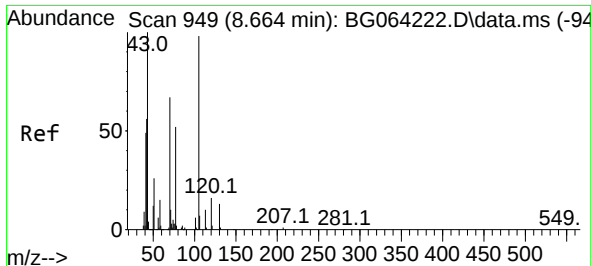
Supervised By :Jagrut Upadhyay 09/09/2025



#18
Hexachloroethane
Concen: 44.746 ng
RT: 8.927 min Scan# 994
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

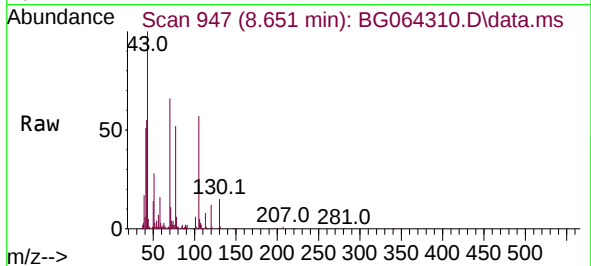
Tgt Ion:	117	Resp:	35599
Ion	Ratio	Lower	Upper
117	100		
119	88.9	67.9	101.9
201	116.3	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 37.548 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

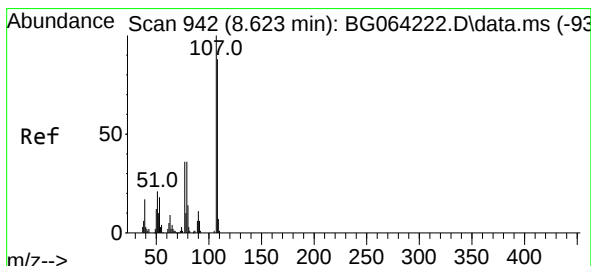
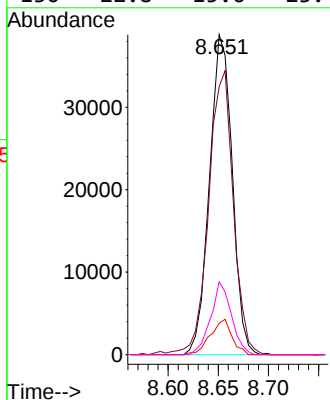
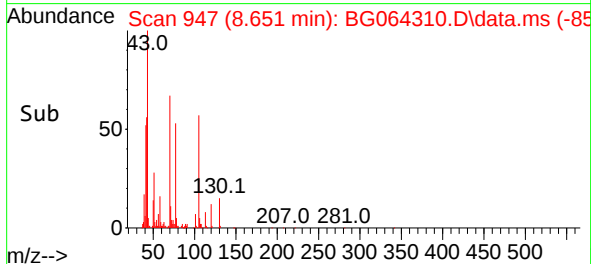
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



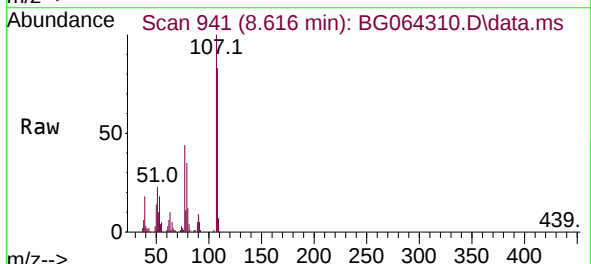
Tgt Ion: 70 Resp: 61329
Ion Ratio Lower Upper
70 100
42 83.7 67.9 101.9
101 9.8 7.3 10.9
130 22.8 15.6 23.4

Manual Integrations
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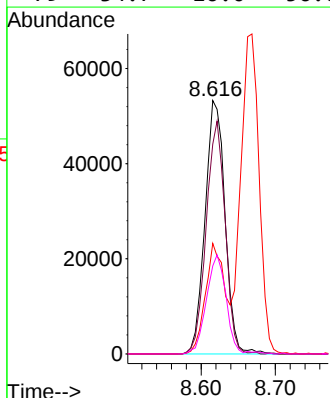
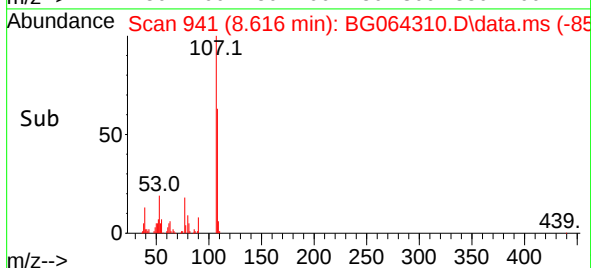
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

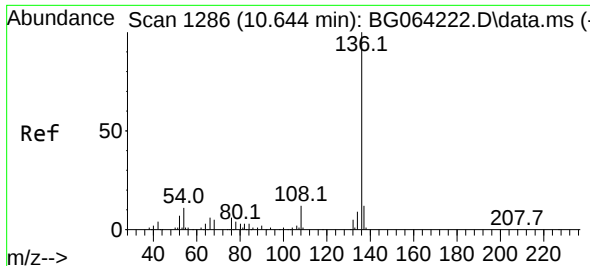


#20
3+4-Methylphenols
Concen: 40.937 ng
RT: 8.616 min Scan# 941
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



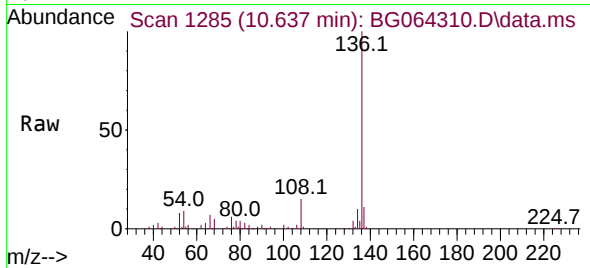
Tgt Ion:107 Resp: 99748
Ion Ratio Lower Upper
107 100
108 82.8 68.1 108.1
77 43.6 15.9 55.9
79 34.7 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 1285
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

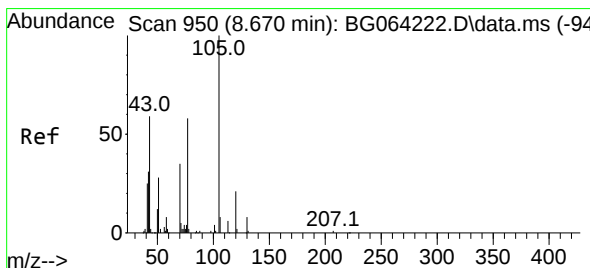
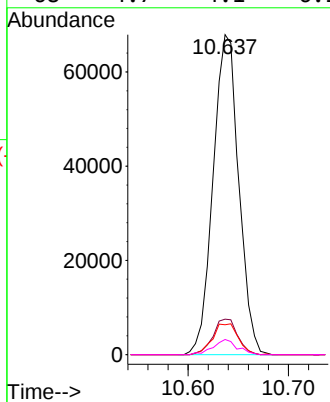
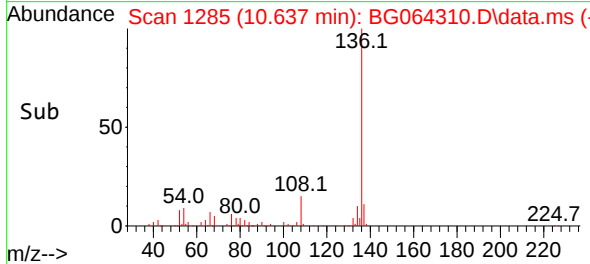
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:136 Resp: 120718
Ion Ratio Lower Upper
136 100
137 11.1 9.6 14.4
54 9.3 8.8 13.2
68 4.7 4.1 6.1

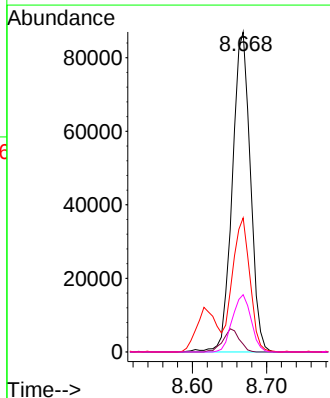
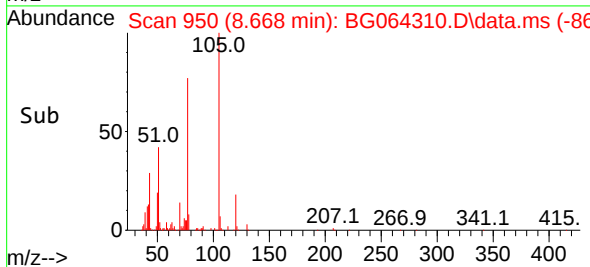
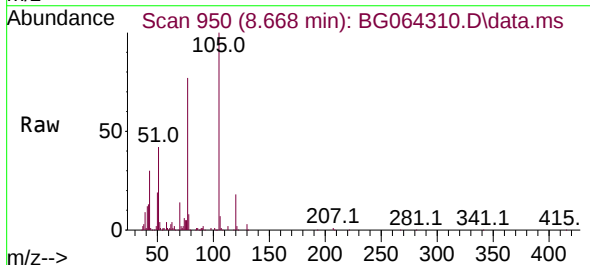
Manual Integrations
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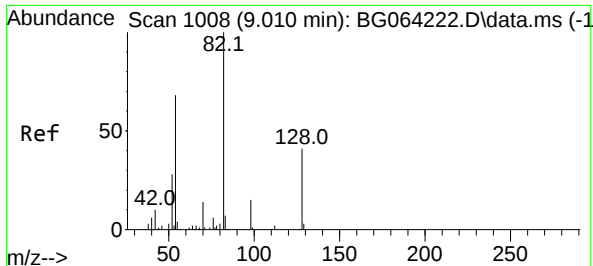
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#22
Acetophenone
Concen: 48.099 ng
RT: 8.668 min Scan# 950
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:105 Resp: 146897
Ion Ratio Lower Upper
105 100
71 2.4 4.3 6.5#
51 41.9 32.4 48.6
120 17.9 16.8 25.2





#23

Nitrobenzene-d5

Concen: 76.900 ng

RT: 9.003 min Scan# 1007

Delta R.T. -0.013 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS

Tgt Ion: 82 Resp: 16645

Ion Ratio Lower Upper

82 100

128 42.9 32.6 48.8

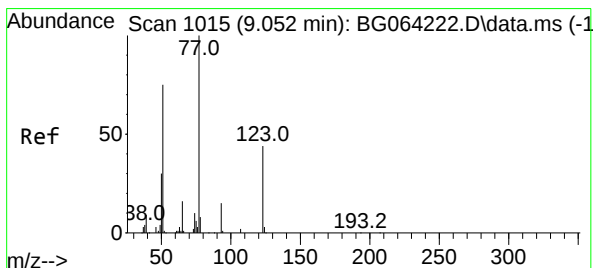
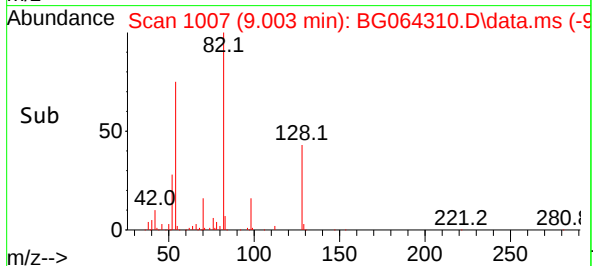
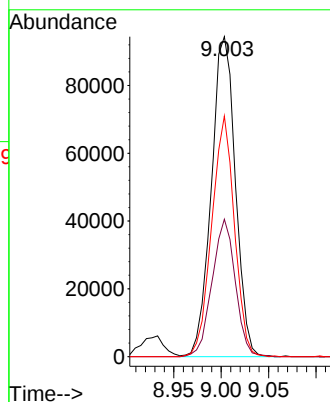
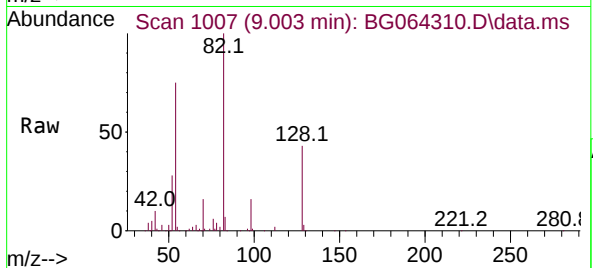
54 75.2 54.7 82.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#24

Nitrobenzene

Concen: 43.246 ng

RT: 9.044 min Scan# 1014

Delta R.T. -0.013 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

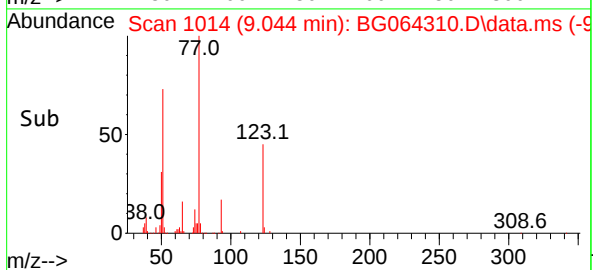
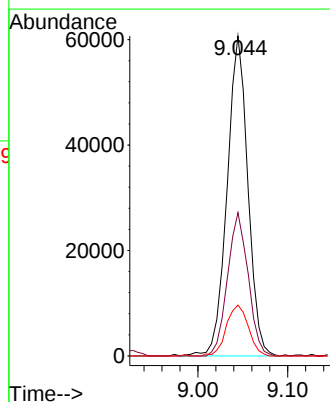
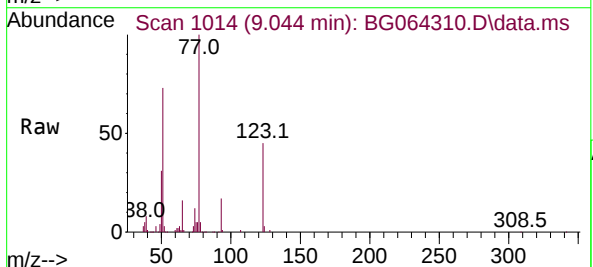
Tgt Ion: 77 Resp: 97803

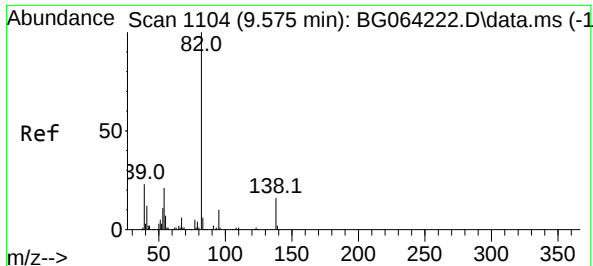
Ion Ratio Lower Upper

77 100

123 44.8 35.2 52.8

65 15.9 12.6 19.0





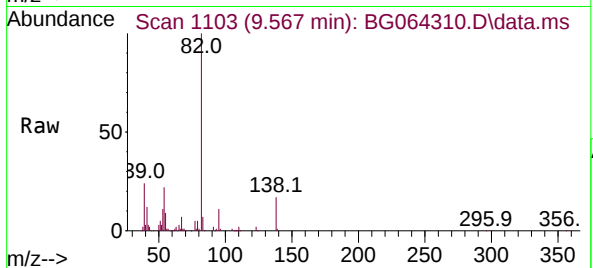
#25
Isophorone
Concen: 39.580 ng
RT: 9.567 min Scan# 1103
Delta R.T. -0.019 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



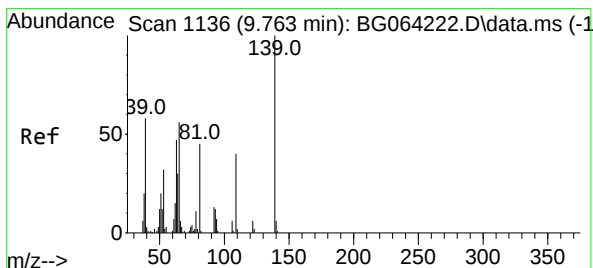
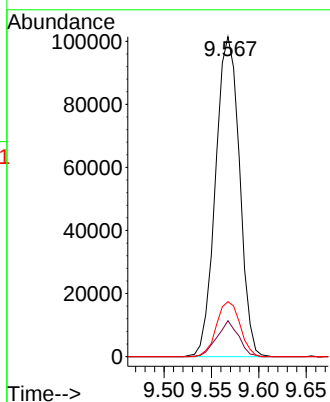
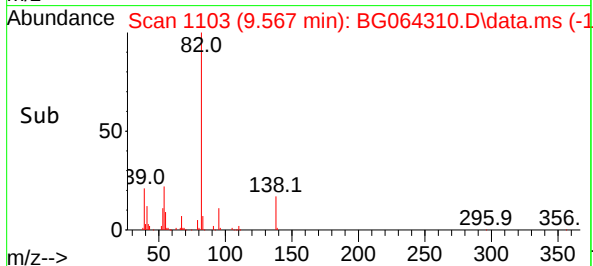
Tgt Ion: 82 Resp: 178056
Ion Ratio Lower Upper
82 100
95 11.2 7.9 11.9
138 17.2 13.0 19.4

Manual Integrations

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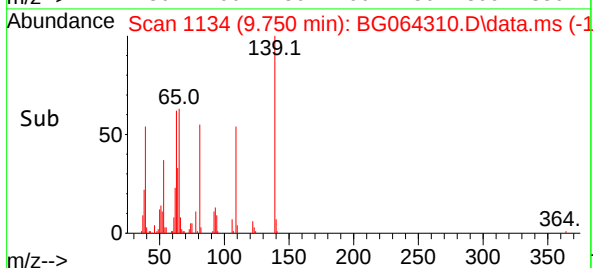
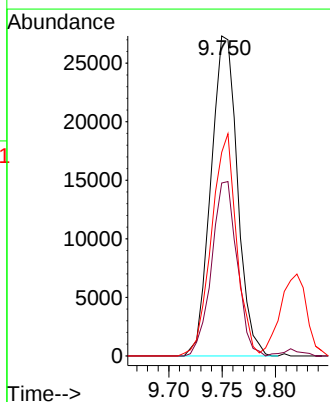
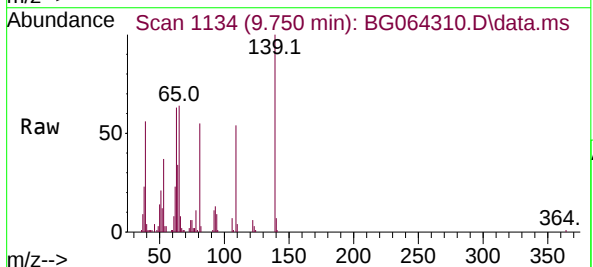
Reviewed By :Rahul Chavli 09/09/2025

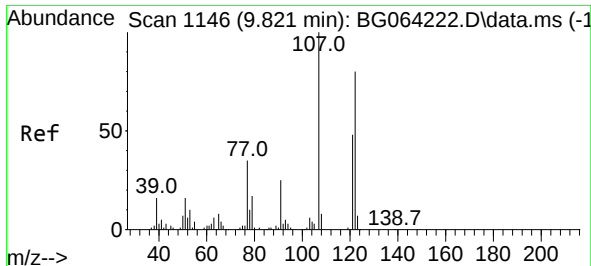
Supervised By :Jagrut Upadhyay 09/09/2025



#26
2-Nitrophenol
Concen: 48.383 ng
RT: 9.750 min Scan# 1134
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:139 Resp: 47280
Ion Ratio Lower Upper
139 100
109 54.0 32.4 48.6#
65 63.6 44.6 67.0





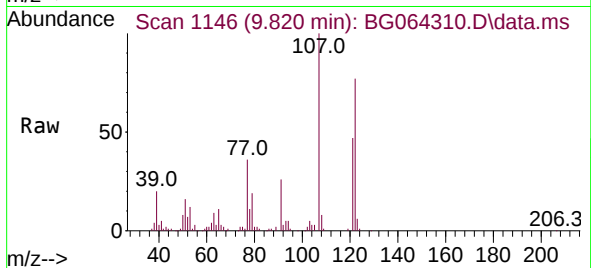
#27
2,4-Dimethylphenol
Concen: 48.919 ng
RT: 9.820 min Scan# 1146
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



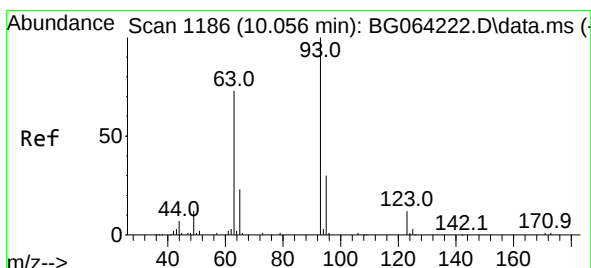
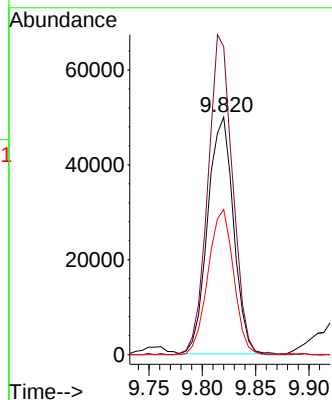
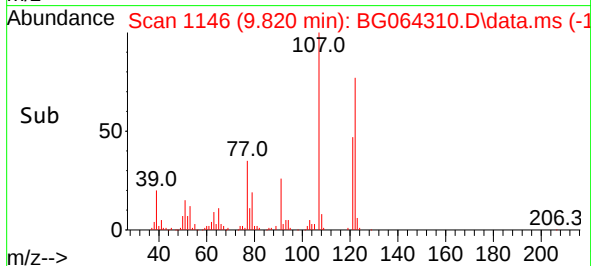
Tgt Ion:122 Resp: 83929
Ion Ratio Lower Upper
122 100
107 129.6 99.9 149.9
121 61.1 48.6 72.8

Manual Integrations

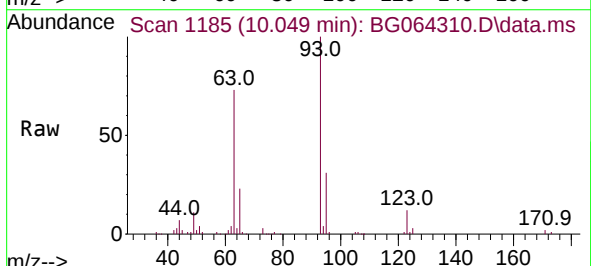
APPROVED

Reviewed By :Rahul Chavli 09/09/2025

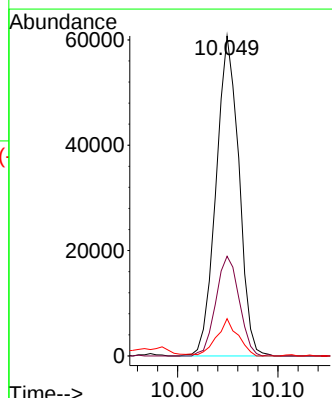
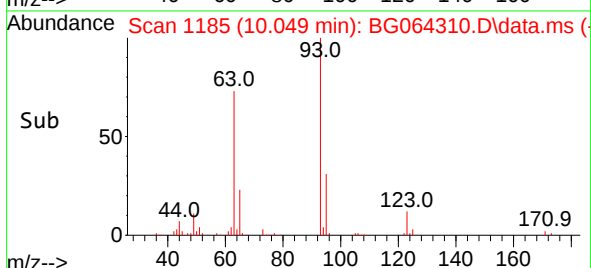
Supervised By :Jagrut Upadhyay 09/09/2025

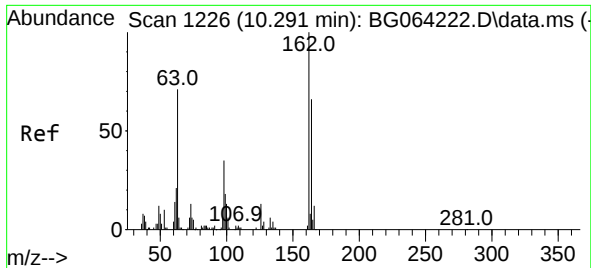


#28
bis(2-Chloroethoxy)methane
Concen: 39.600 ng
RT: 10.049 min Scan# 1185
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



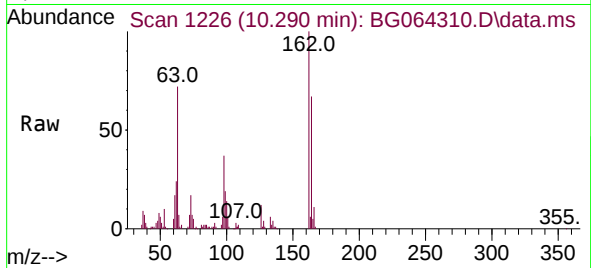
Tgt Ion: 93 Resp: 96059
Ion Ratio Lower Upper
93 100
95 31.1 23.9 35.9
123 11.6 9.6 14.4





#29
2,4-Dichlorophenol
Concen: 48.163 ng
RT: 10.290 min Scan# 1226
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

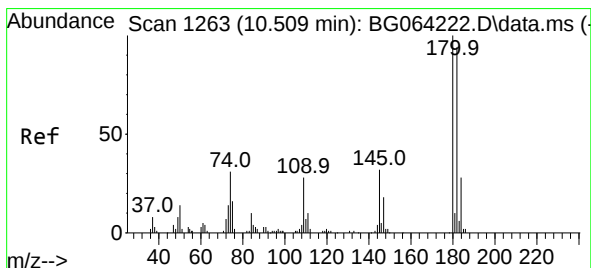
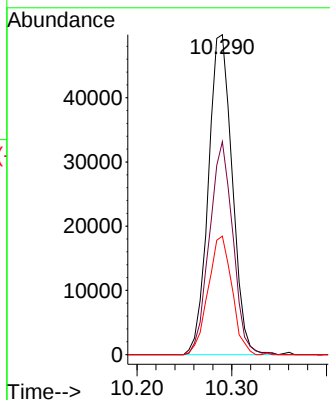
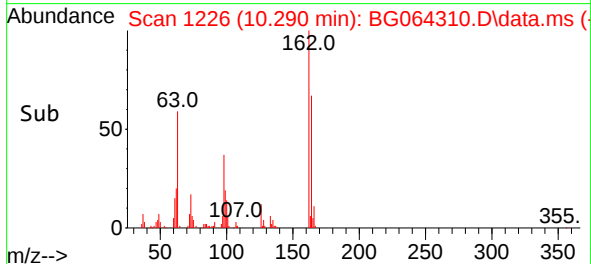
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



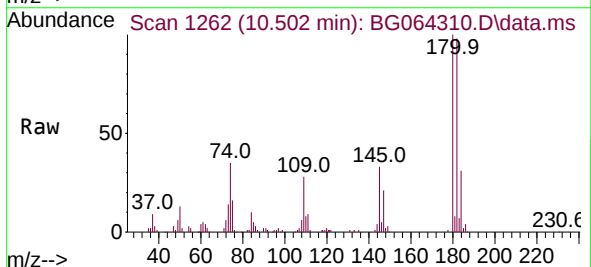
Tgt Ion:162 Resp: 87186
Ion Ratio Lower Upper
162 100
164 66.5 45.8 85.8
98 37.1 15.2 55.2

Manual Integrations
APPROVED

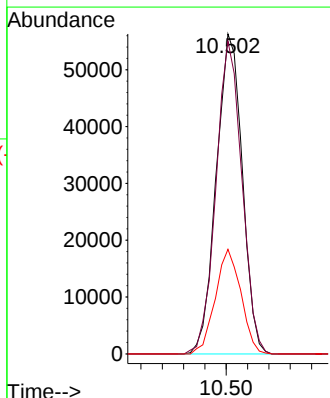
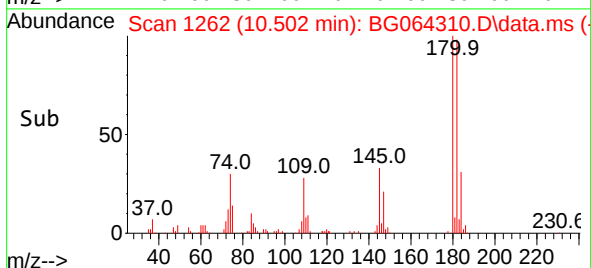
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

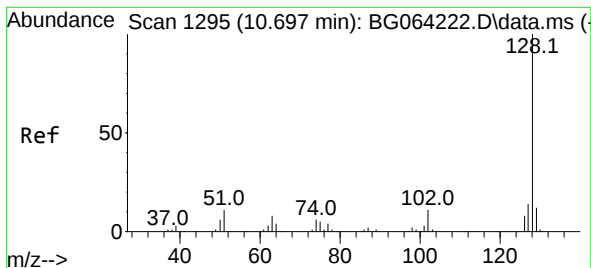


#30
1,2,4-Trichlorobenzene
Concen: 49.914 ng
RT: 10.502 min Scan# 1262
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



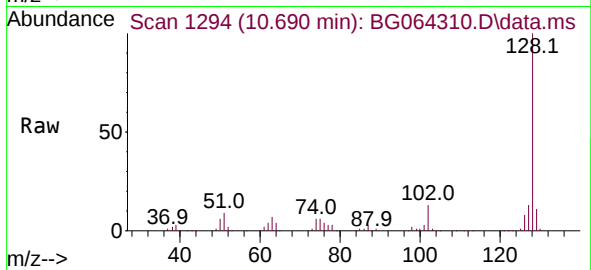
Tgt Ion:180 Resp: 95271
Ion Ratio Lower Upper
180 100
182 97.7 75.0 112.6
145 32.7 25.4 38.0





#31
Naphthalene
Concen: 43.985 ng
RT: 10.690 min Scan# 1174
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

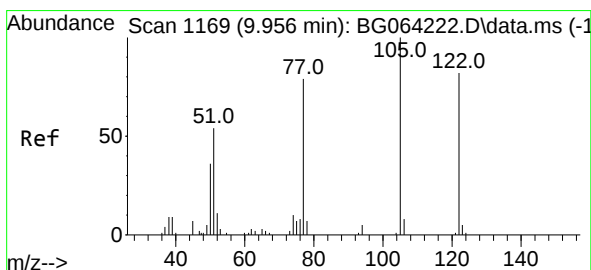
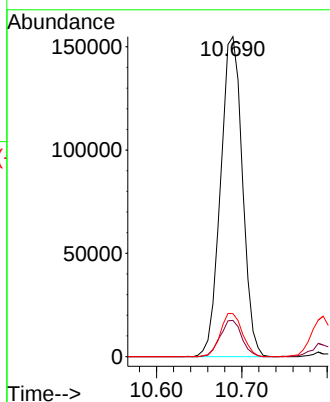
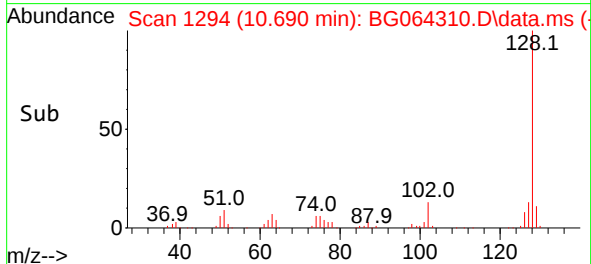
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:128 Resp: 275340
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.4 10.9 16.3

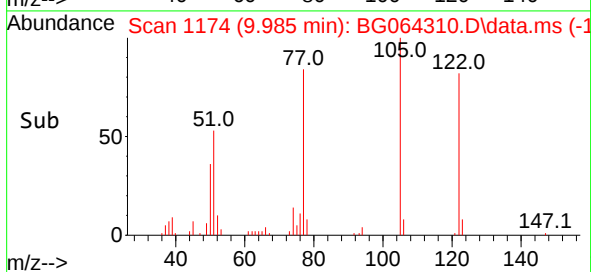
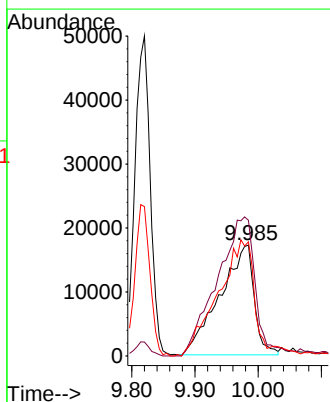
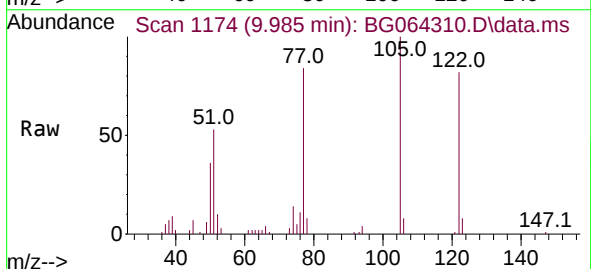
Manual Integrations
APPROVED

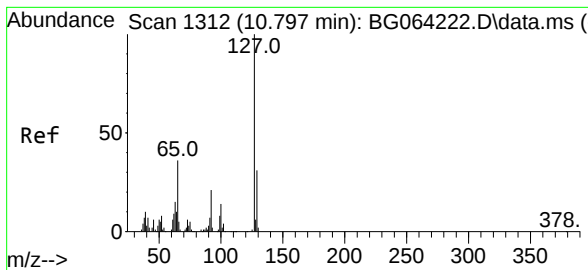
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#32
Benzoic acid
Concen: 47.625 ng
RT: 9.985 min Scan# 1174
Delta R.T. -0.031 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:122 Resp: 64860
Ion Ratio Lower Upper
122 100
105 122.5 98.5 138.5
77 102.9 74.6 114.6





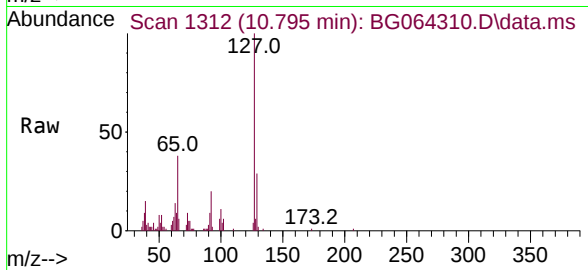
#33
4-Chloroaniline
Concen: 14.640 ng
RT: 10.795 min Scan# 1312
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



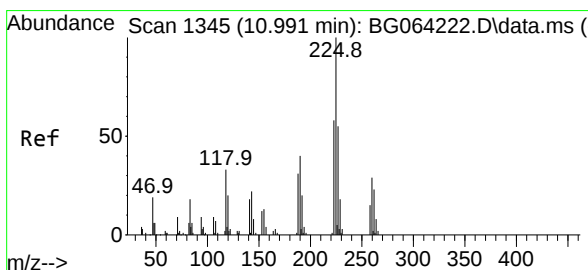
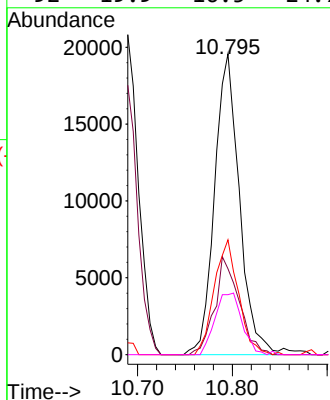
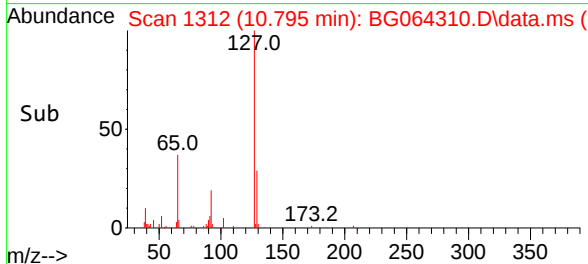
Tgt Ion:127 Resp: 35520
Ion Ratio Lower Upper
127 100
129 28.6 25.0 37.4
65 38.2 28.7 43.1
92 19.9 16.5 24.7

Manual Integrations

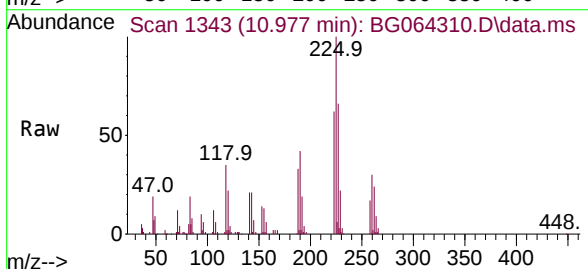
APPROVED

Reviewed By :Rahul Chavli 09/09/2025

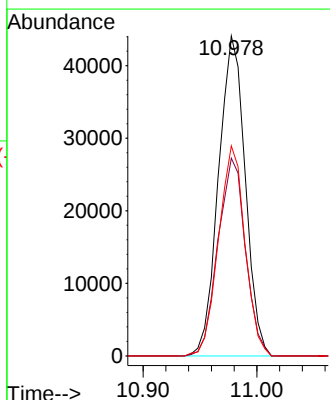
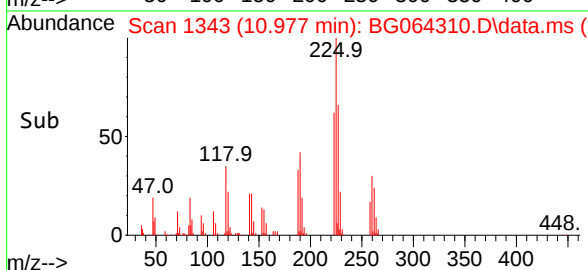
Supervised By :Jagrut Upadhyay 09/09/2025

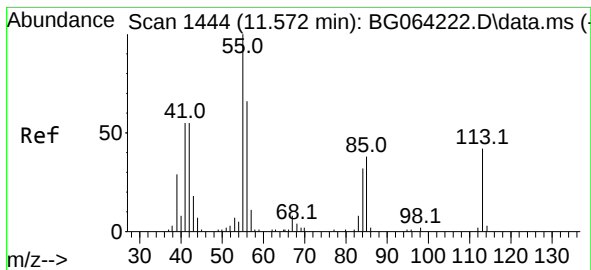


#34
Hexachlorobutadiene
Concen: 50.888 ng
RT: 10.977 min Scan# 1343
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



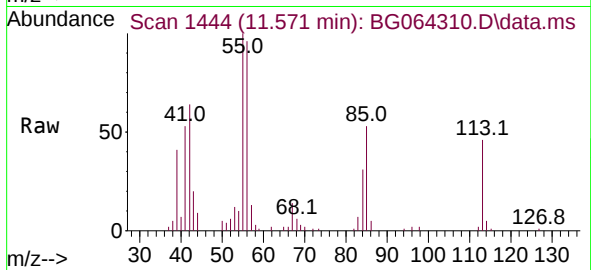
Tgt Ion:225 Resp: 71798
Ion Ratio Lower Upper
225 100
223 61.8 46.5 69.7
227 65.6 44.1 66.1





#35
 Caprolactam
 Concen: 38.724 ng m
 RT: 11.571 min Scan# 1444
 Delta R.T. -0.031 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

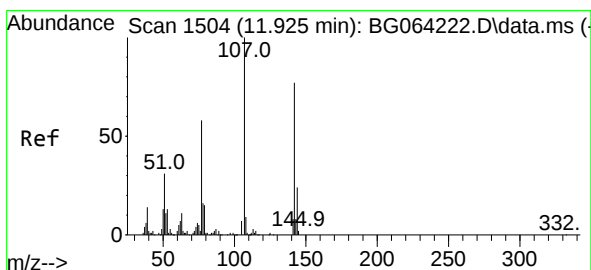
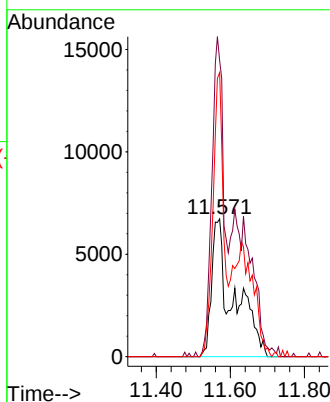
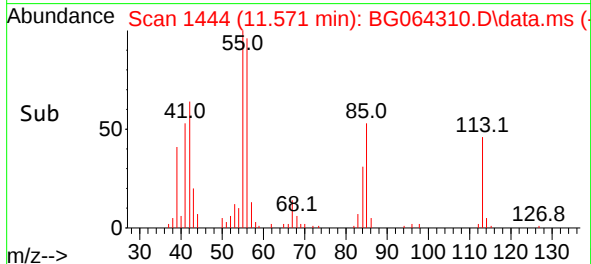
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS



Tgt Ion:113 Resp: 27143
 Ion Ratio Lower Upper
 113 100
 55 215.1 218.5 258.5
 56 206.4 138.5 178.5

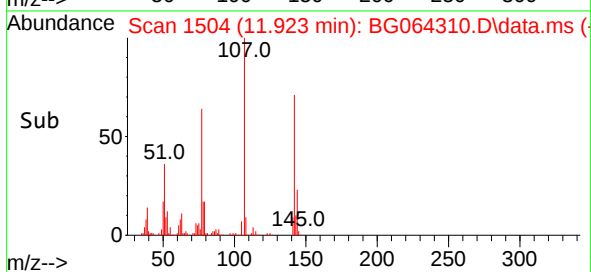
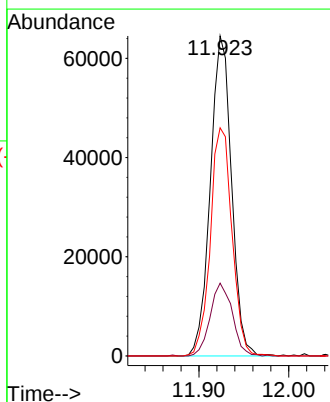
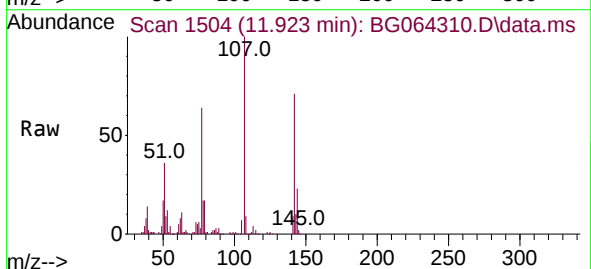
Manual Integrations
 APPROVED

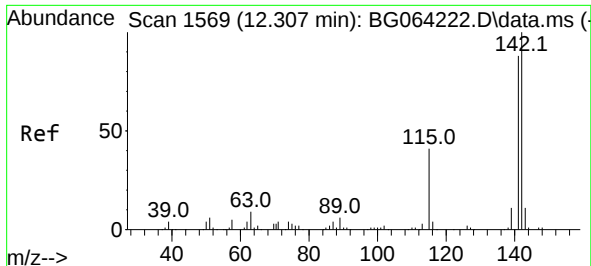
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025



#36
 4-Chloro-3-methylphenol
 Concen: 45.144 ng
 RT: 11.923 min Scan# 1504
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

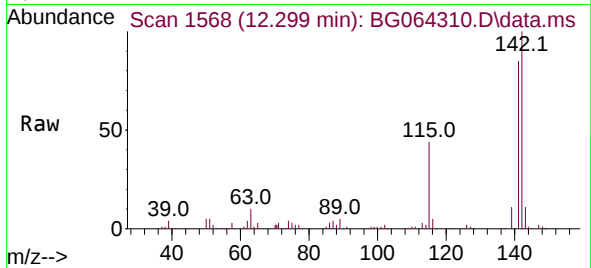
Tgt Ion:107 Resp: 106030
 Ion Ratio Lower Upper
 107 100
 144 22.7 19.5 29.3
 142 71.3 62.0 93.0





#37
2-Methylnaphthalene
Concen: 39.526 ng
RT: 12.299 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

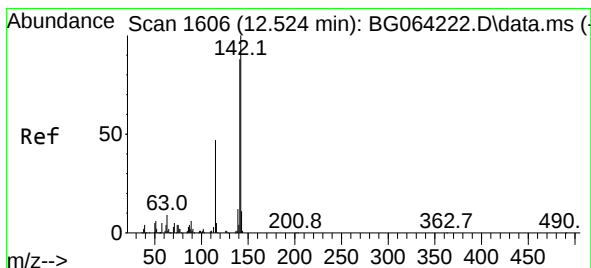
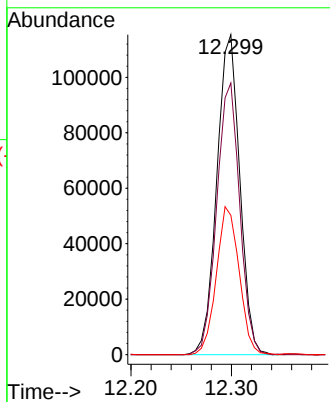
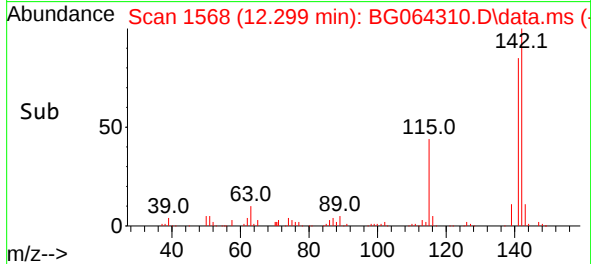
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:142 Resp: 183916
Ion Ratio Lower Upper
142 100
141 84.9 70.1 105.1
115 43.5 33.1 49.7

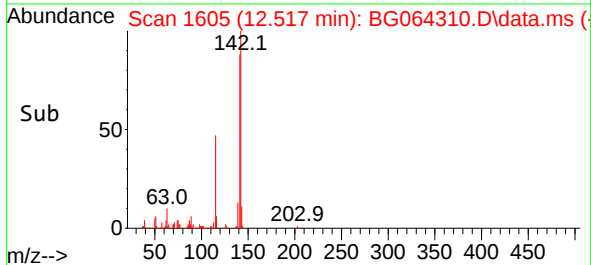
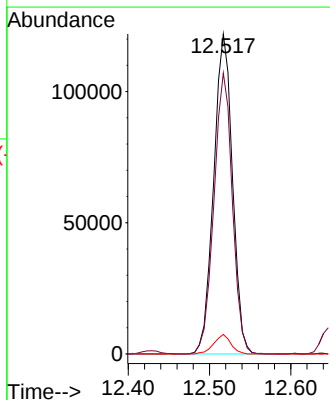
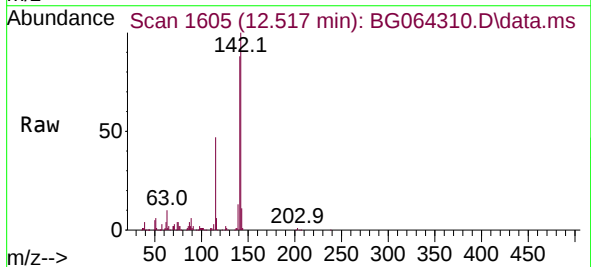
Manual Integrations
APPROVED

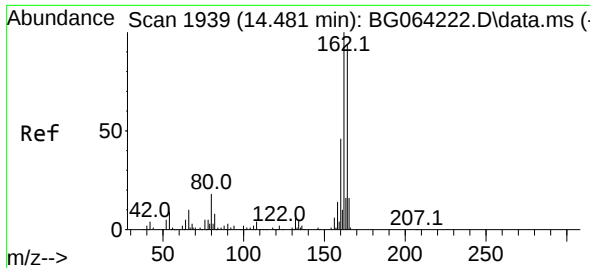
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#38
1-Methylnaphthalene
Concen: 42.591 ng m
RT: 12.517 min Scan# 1605
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

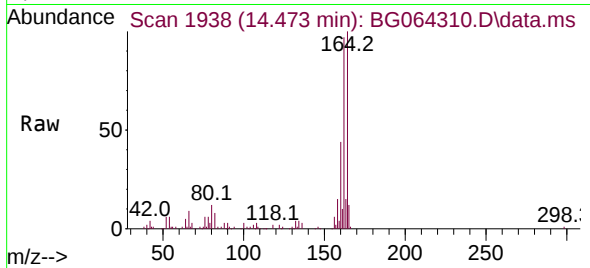
Tgt Ion:142 Resp: 195742
Ion Ratio Lower Upper
142 100
141 87.8 70.3 105.5
116 6.1 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.473 min Scan# 1938
Delta R.T. -0.008 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

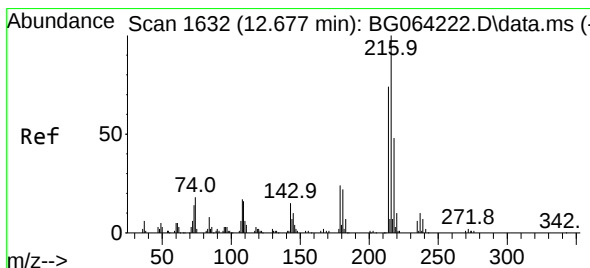
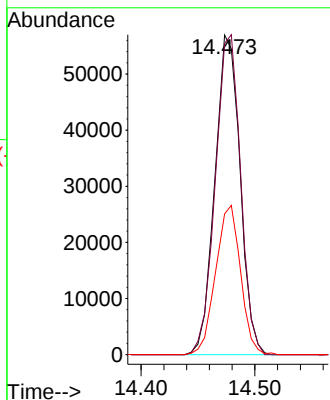
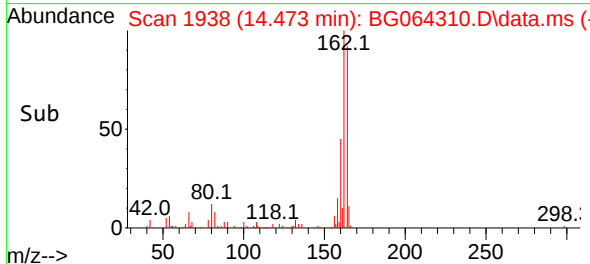
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



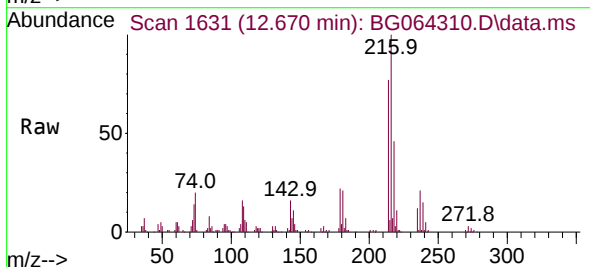
Tgt Ion:164 Resp: 87528
Ion Ratio Lower Upper
164 100
162 97.4 85.4 128.0
160 44.0 39.2 58.8

Manual Integrations
APPROVED

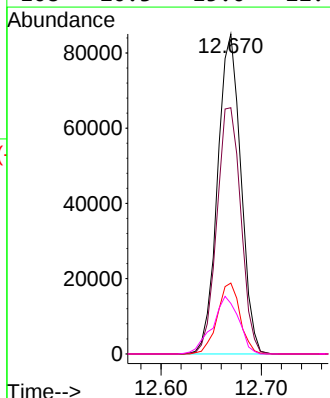
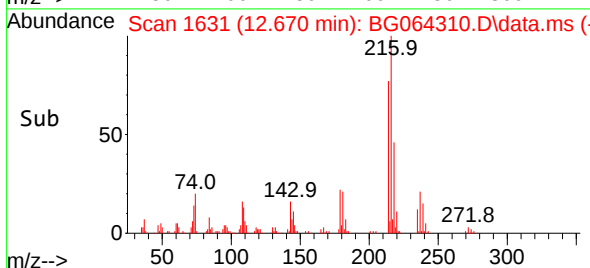
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

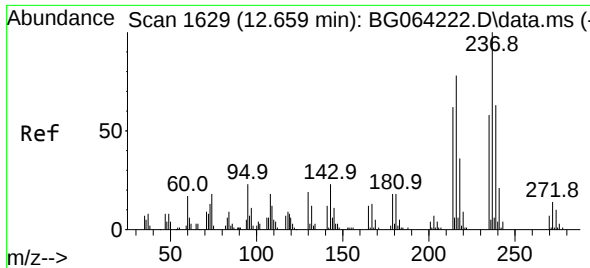


#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.362 ng
RT: 12.670 min Scan# 1631
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



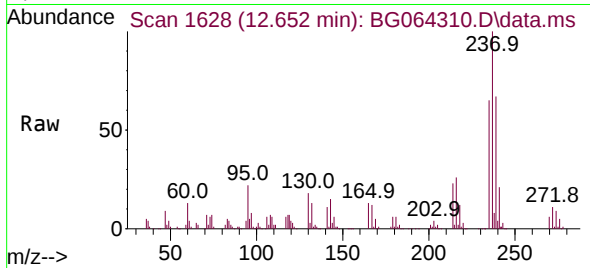
Tgt Ion:216 Resp: 137289
Ion Ratio Lower Upper
216 100
214 79.3 61.9 92.9
179 21.5 17.9 26.9
108 20.3 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 128.384 ng
RT: 12.652 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

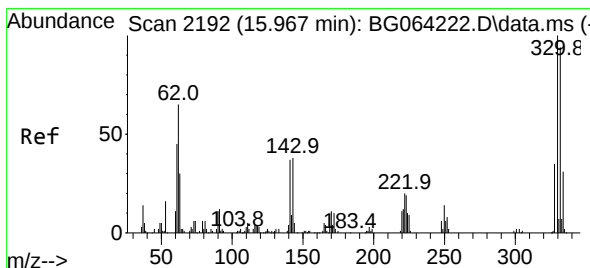
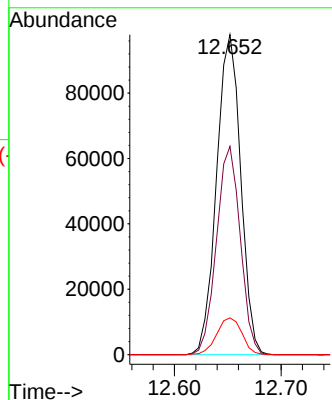
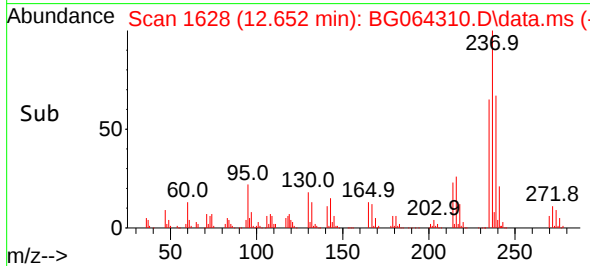
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



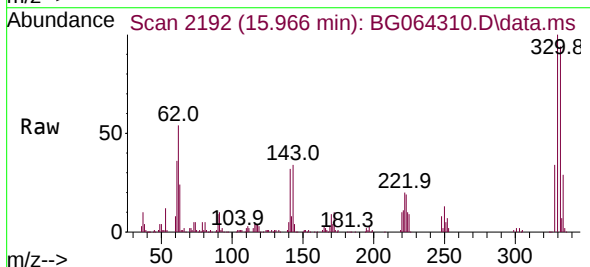
Tgt Ion:237 Resp: 154095
Ion Ratio Lower Upper
237 100
235 65.1 37.9 77.9
272 11.5 0.0 33.8

Manual Integrations
APPROVED

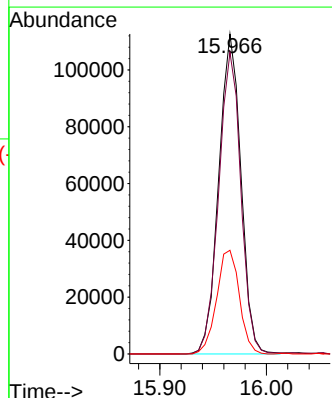
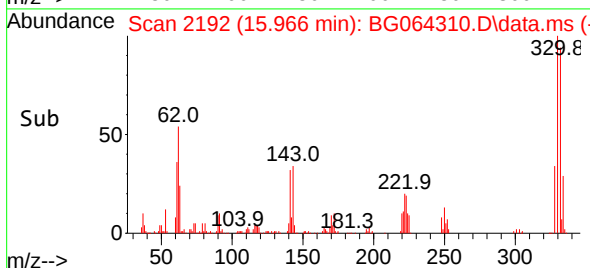
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

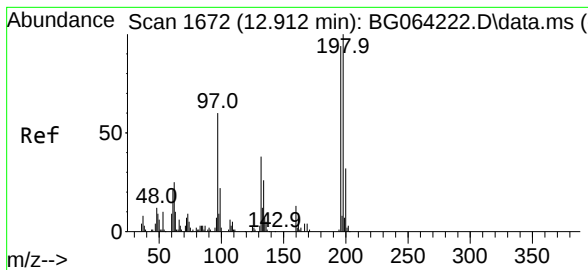


#42
2,4,6-Tribromophenol
Concen: 140.704 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



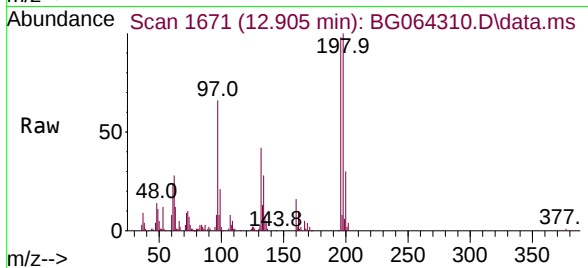
Tgt Ion:330 Resp: 163125
Ion Ratio Lower Upper
330 100
332 94.1 77.6 116.4
141 33.2 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 46.974 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

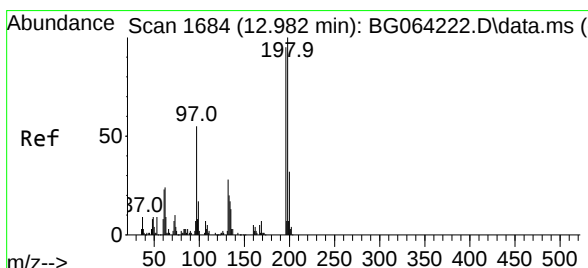
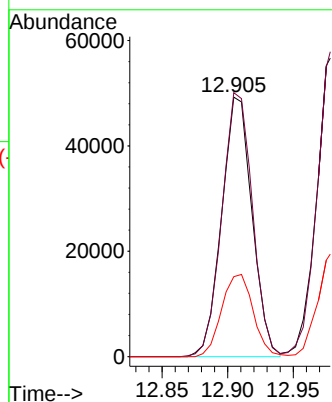
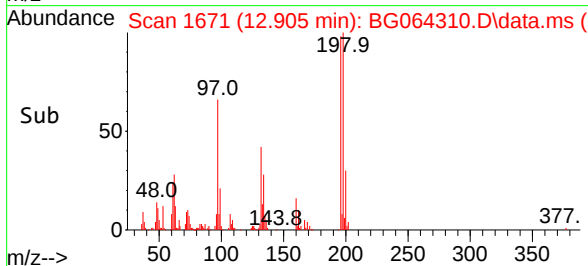
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



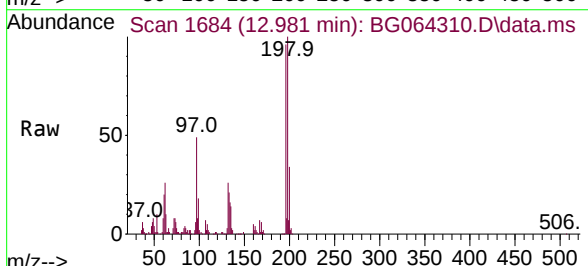
Tgt Ion:196 Resp: 79291
Ion Ratio Lower Upper
196 100
198 101.7 85.4 128.2
200 30.8 27.3 40.9

Manual Integrations
APPROVED

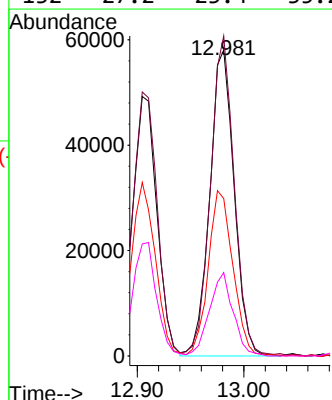
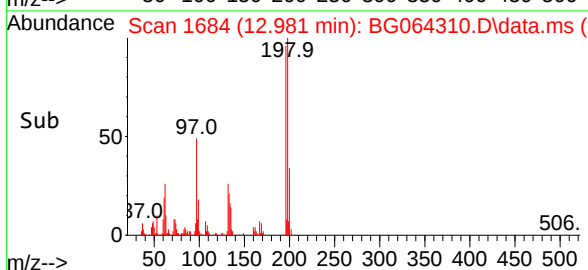
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

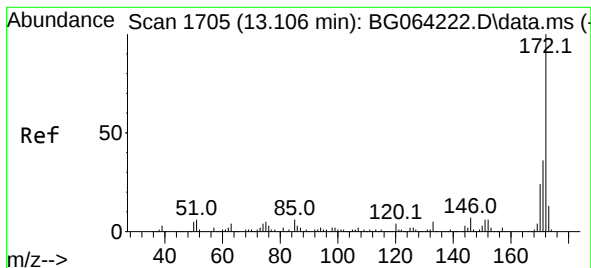


#44
2,4,5-Trichlorophenol
Concen: 50.468 ng
RT: 12.981 min Scan# 1684
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:196 Resp: 92410
Ion Ratio Lower Upper
196 100
198 104.6 84.5 126.7
97 51.4 46.8 70.2
132 27.2 23.4 35.2





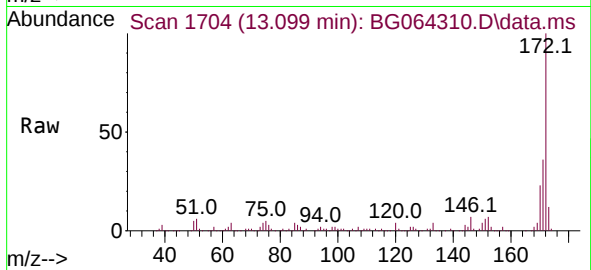
#45
2-Fluorobiphenyl
Concen: 69.994 ng
RT: 13.099 min Scan# 1704
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS

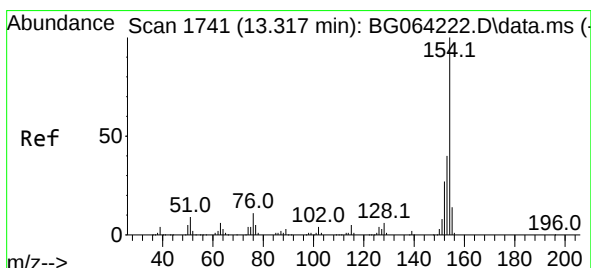
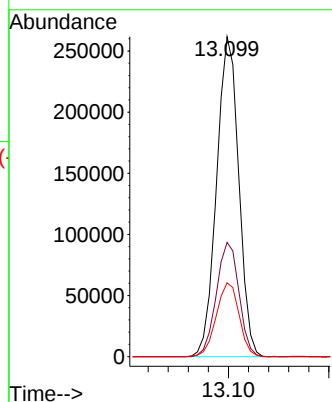
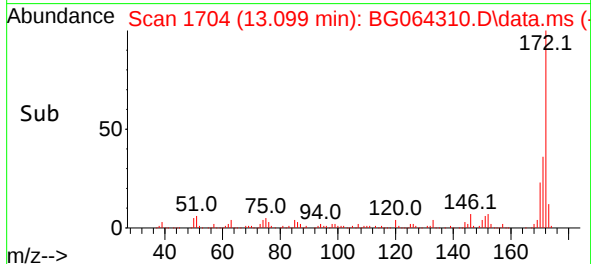


Tgt Ion:172 Resp: 401380
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.1 19.0 28.6

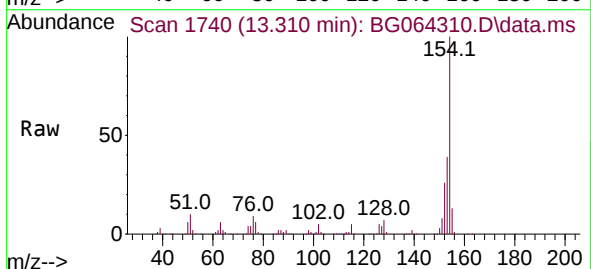
Manual Integrations

APPROVED

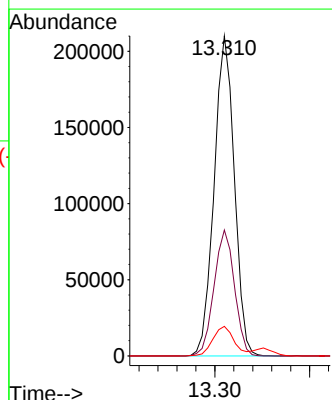
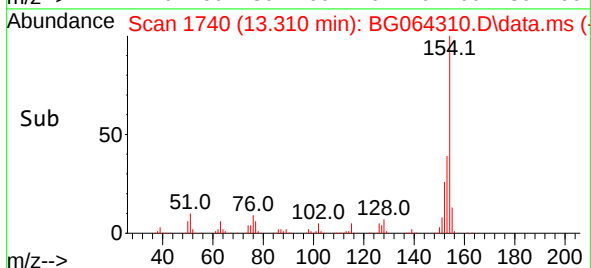
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

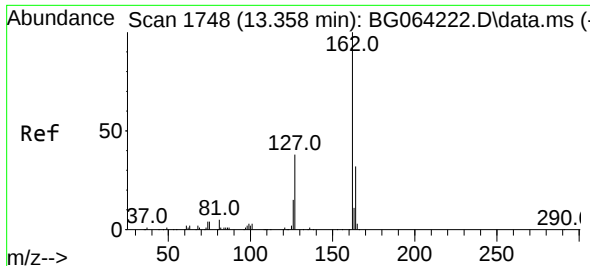


#46
1,1'-Biphenyl
Concen: 48.708 ng
RT: 13.310 min Scan# 1740
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



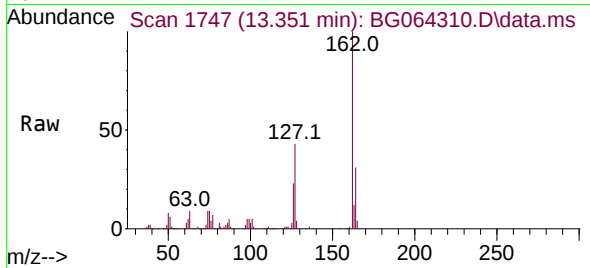
Tgt Ion:154 Resp: 310520
Ion Ratio Lower Upper
154 100
153 39.3 19.9 59.9
76 9.2 0.0 30.9





#47
2-Chloronaphthalene
Concen: 44.036 ng
RT: 13.351 min Scan# 1747
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

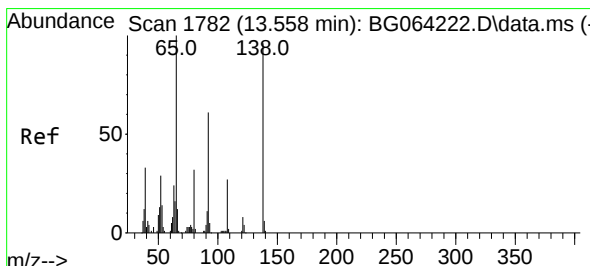
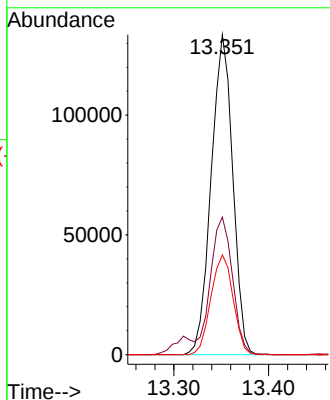
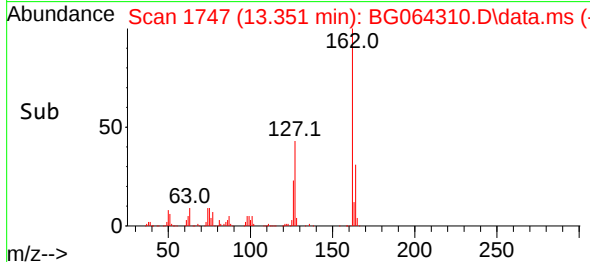
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:162 Resp: 211051
Ion Ratio Lower Upper
162 100
127 43.0 33.9 50.9
164 31.2 25.4 38.2

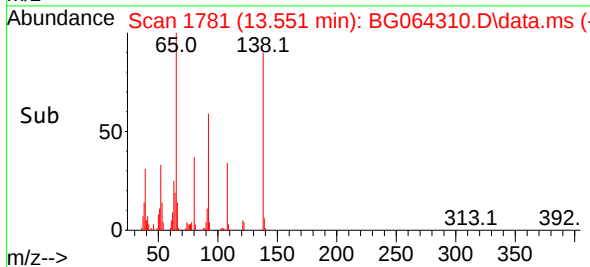
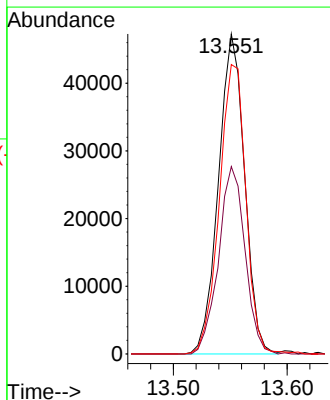
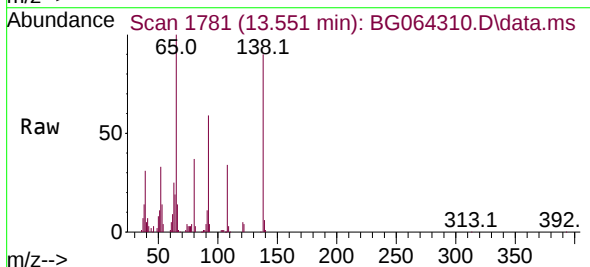
Manual Integrations
APPROVED

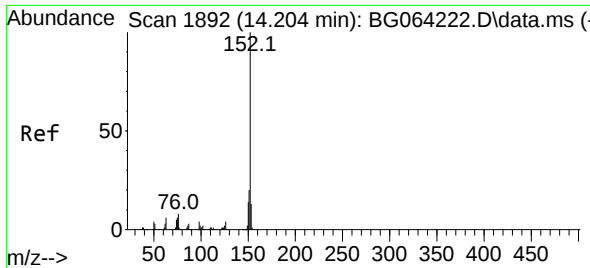
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#48
2-Nitroaniline
Concen: 46.201 ng
RT: 13.551 min Scan# 1781
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

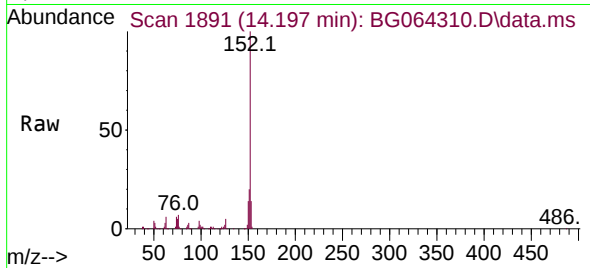
Tgt Ion: 65 Resp: 75472
Ion Ratio Lower Upper
65 100
92 58.5 49.2 73.8
138 90.4 76.8 115.2





#49
Acenaphthylene
Concen: 50.494 ng
RT: 14.197 min Scan# 1891
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

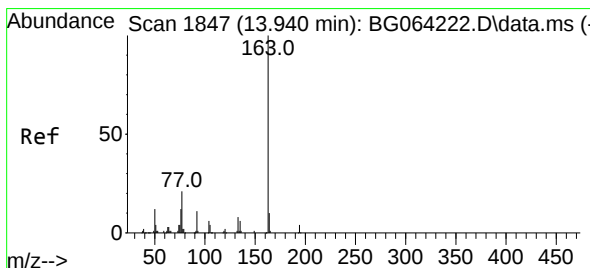
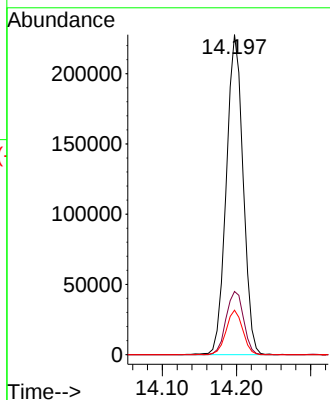
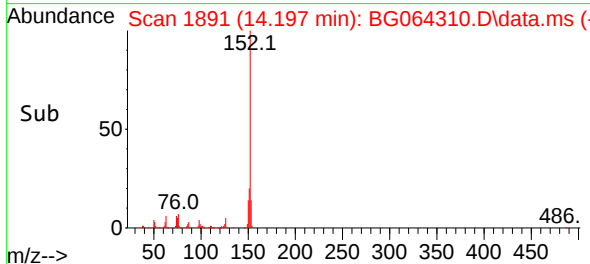
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:152 Resp: 357742
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.9 10.1 15.1

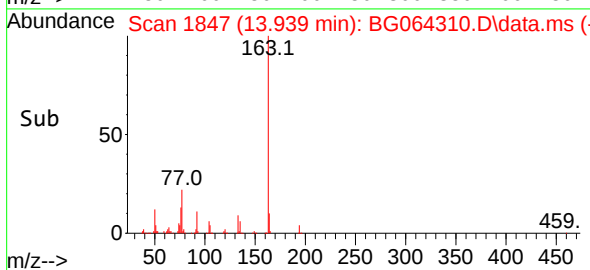
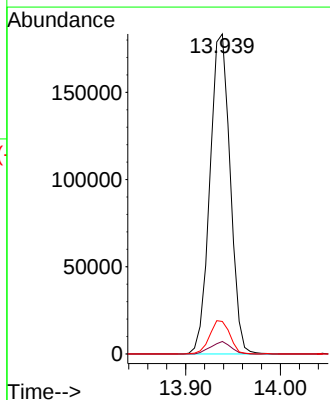
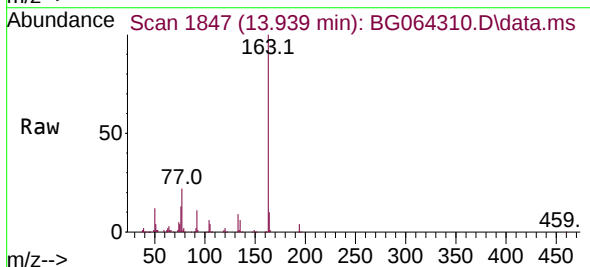
Manual Integrations
APPROVED

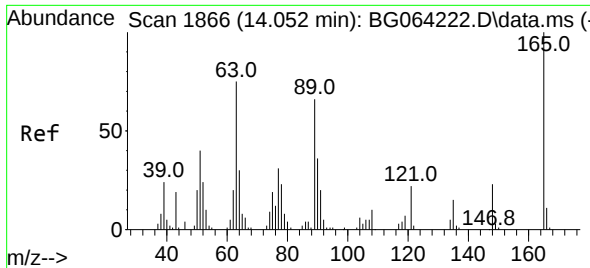
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#50
Dimethylphthalate
Concen: 41.039 ng
RT: 13.939 min Scan# 1847
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

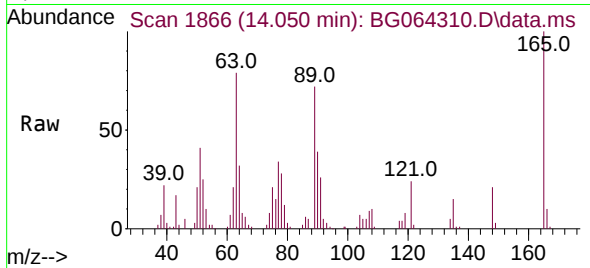
Tgt Ion:163 Resp: 271891
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 49.954 ng
RT: 14.050 min Scan# 1866
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

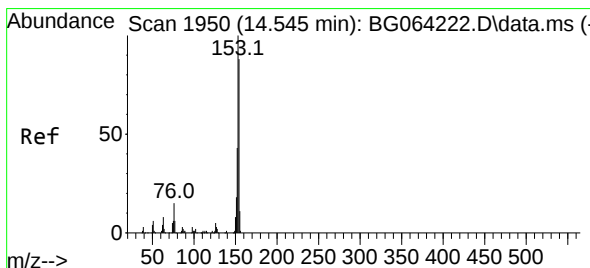
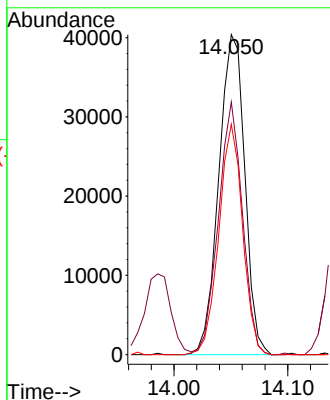
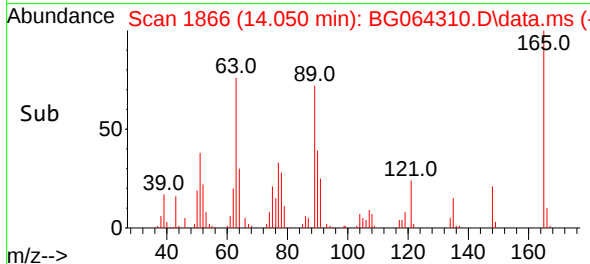
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



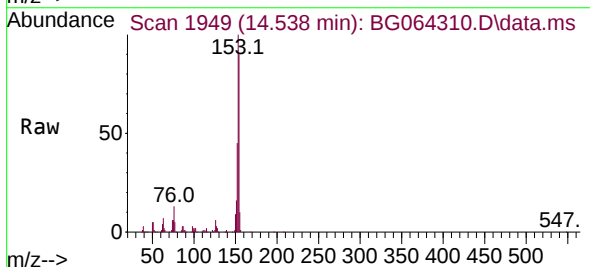
Tgt Ion:165 Resp: 64070
Ion Ratio Lower Upper
165 100
63 78.9 60.3 90.5
89 72.0 52.9 79.3

Manual Integrations
APPROVED

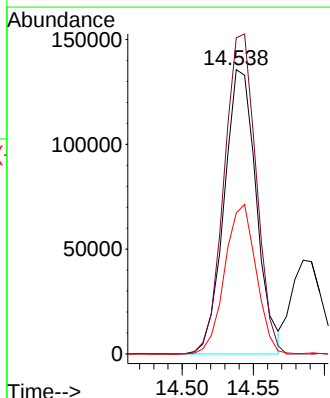
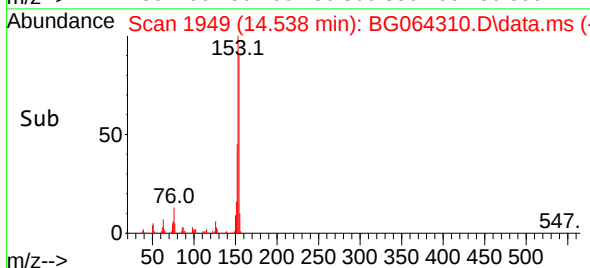
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

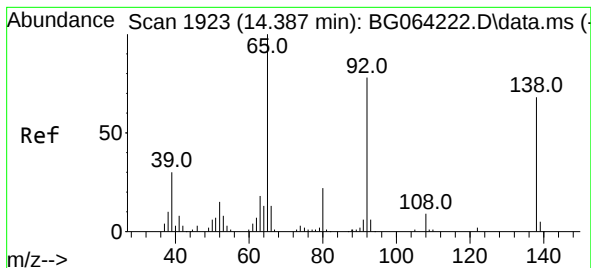


#52
Acenaphthene
Concen: 42.738 ng
RT: 14.538 min Scan# 1949
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



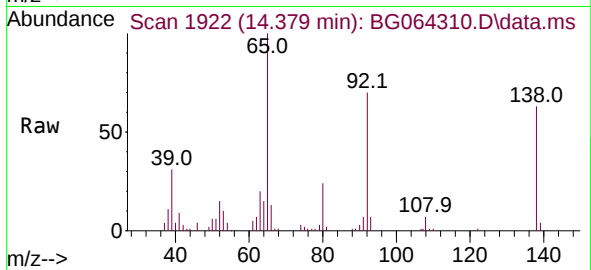
Tgt Ion:154 Resp: 213682
Ion Ratio Lower Upper
154 100
153 111.2 91.1 136.7
152 49.6 39.6 59.4





#53
3-Nitroaniline
Concen: 26.050 ng
RT: 14.379 min Scan# 1922
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

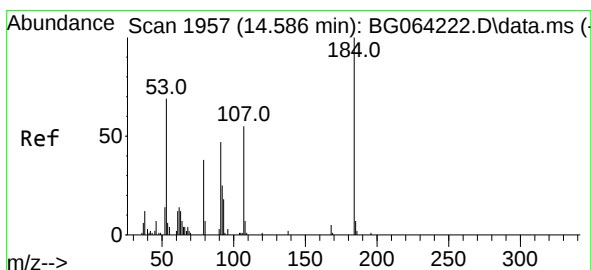
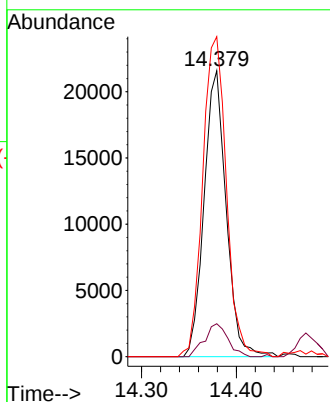
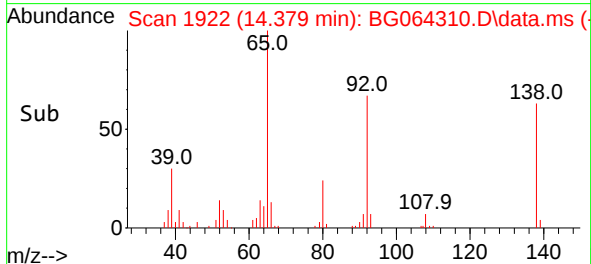
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:138 Resp: 34998
Ion Ratio Lower Upper
138 100
108 11.5 11.0 16.6
92 112.0 91.4 137.0

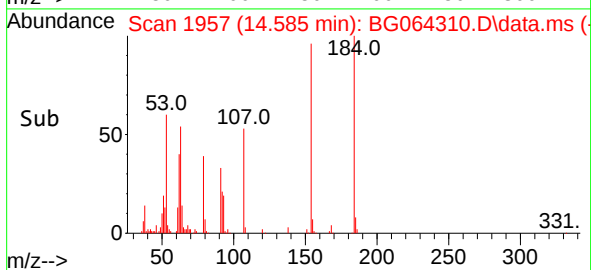
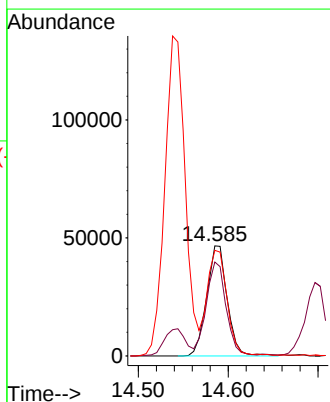
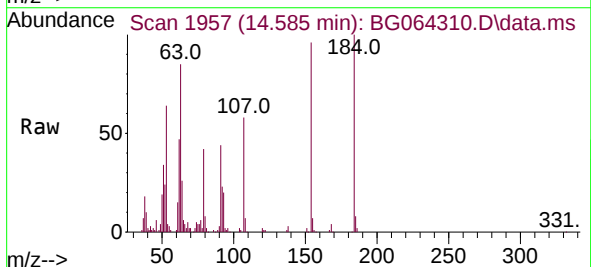
Manual Integrations
APPROVED

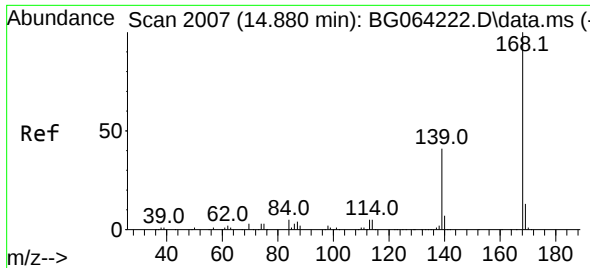
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#54
2,4-Dinitrophenol
Concen: 87.626 ng
RT: 14.585 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

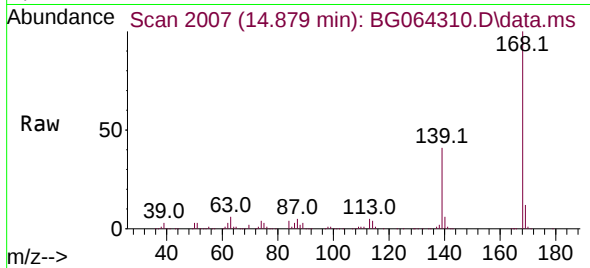
Tgt Ion:184 Resp: 73914
Ion Ratio Lower Upper
184 100
63 85.3 60.1 90.1
154 96.0 59.8 89.8#





#55
Dibenzofuran
Concen: 45.115 ng
RT: 14.879 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

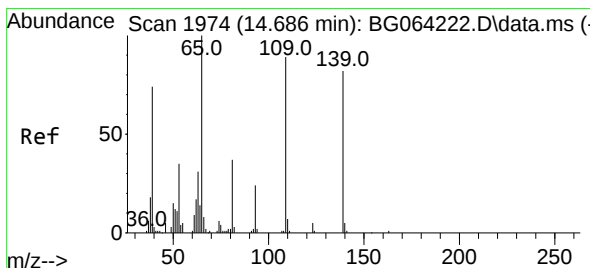
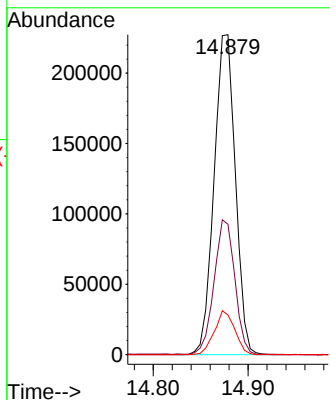
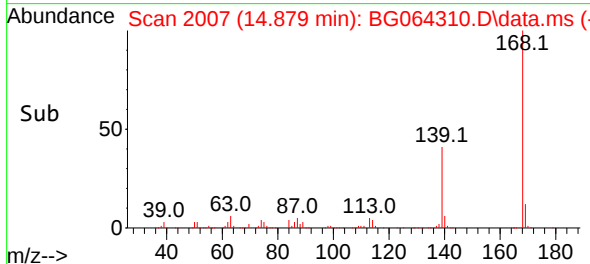
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:168 Resp: 354798
Ion Ratio Lower Upper
168 100
139 40.7 33.2 49.8
169 12.4 10.4 15.6

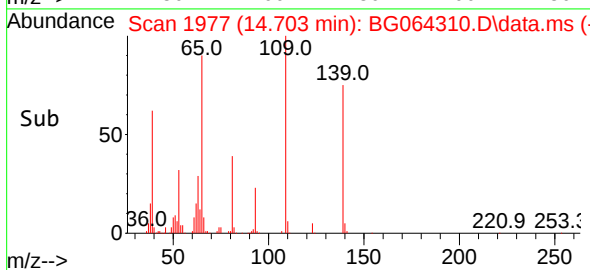
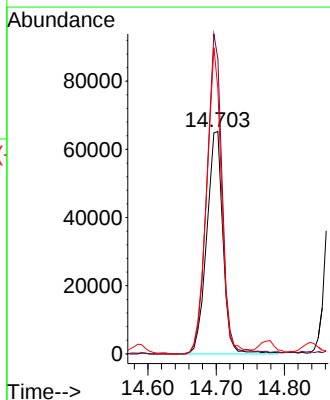
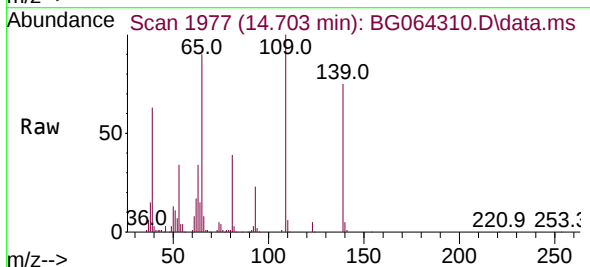
Manual Integrations
APPROVED

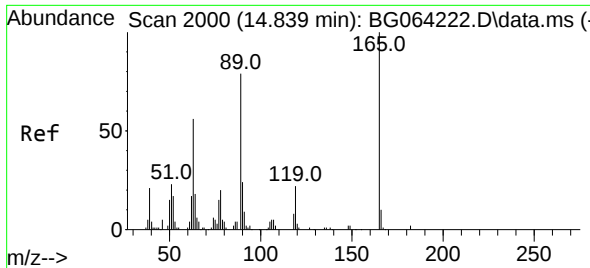
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#56
4-Nitrophenol
Concen: 97.513 ng
RT: 14.703 min Scan# 1977
Delta R.T. 0.004 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:139 Resp: 107466
Ion Ratio Lower Upper
139 100
109 132.6 89.1 129.1#
65 119.2 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 48.973 ng
RT: 14.844 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

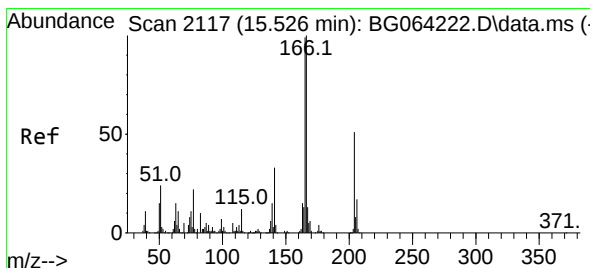
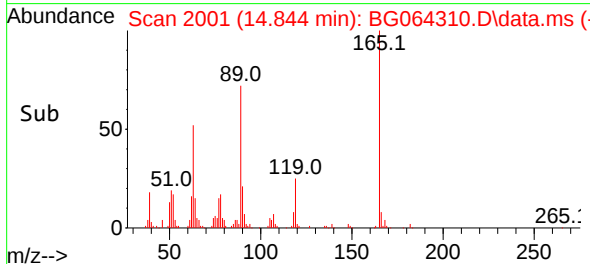
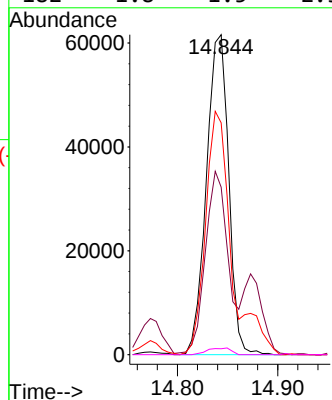
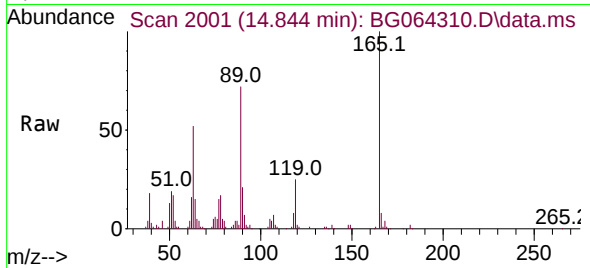
SOIL-PILE-1MS

Tgt Ion:165 Resp: 94972
Ion Ratio Lower Upper
165 100
63 52.3 44.6 67.0
89 72.4 63.0 94.4
182 1.8 1.5 2.3

Manual Integrations

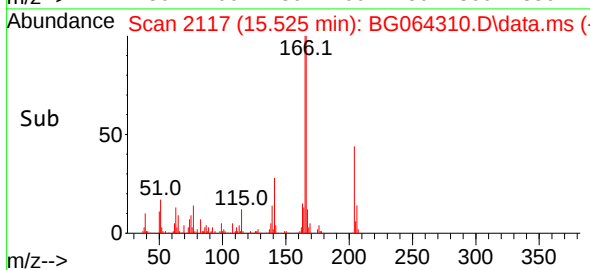
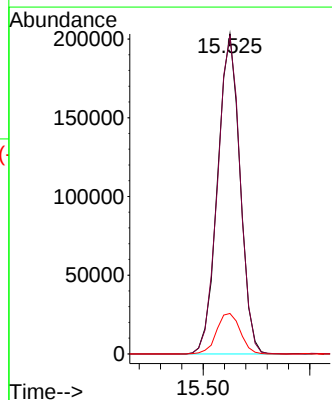
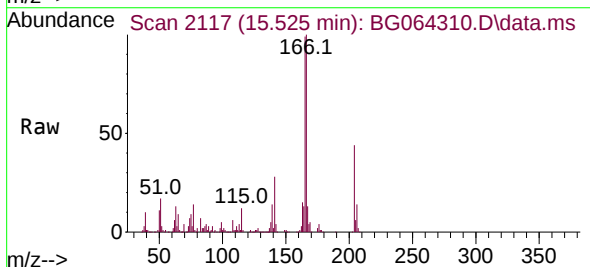
APPROVED

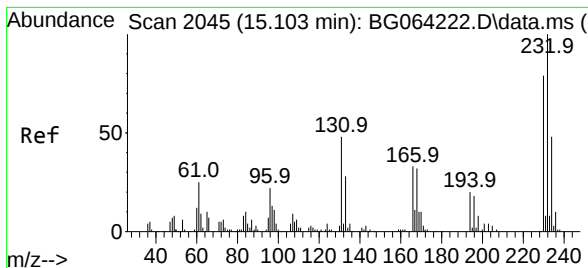
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#58
Fluorene
Concen: 46.009 ng
RT: 15.525 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

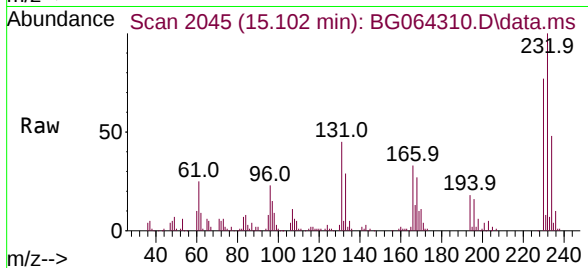
Tgt Ion:166 Resp: 296561
Ion Ratio Lower Upper
166 100
165 99.2 79.1 118.7
167 12.6 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.444 ng
RT: 15.102 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

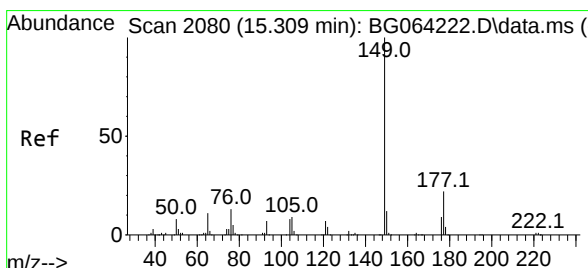
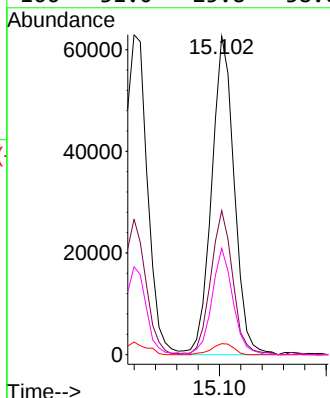
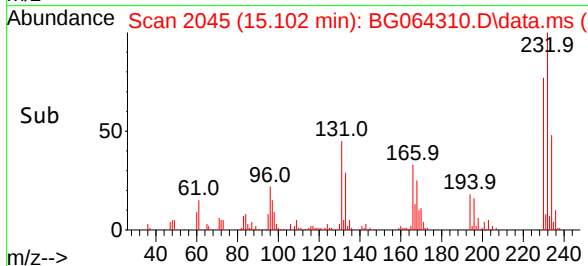
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



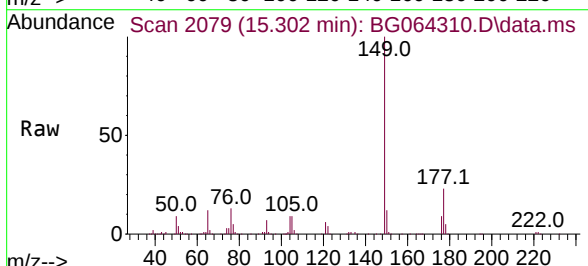
Tgt Ion:232 Resp: 92362
Ion Ratio Lower Upper
232 100
131 44.0 37.1 55.7
130 3.4 2.6 3.8
166 31.0 25.8 38.6

Manual Integrations
APPROVED

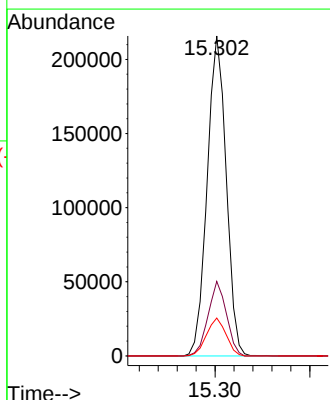
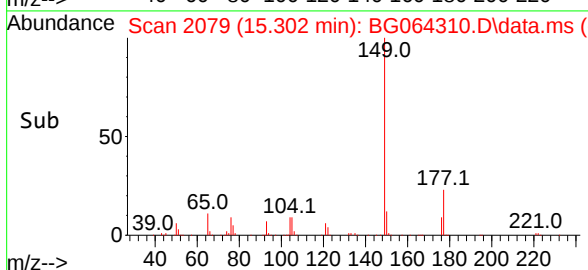
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

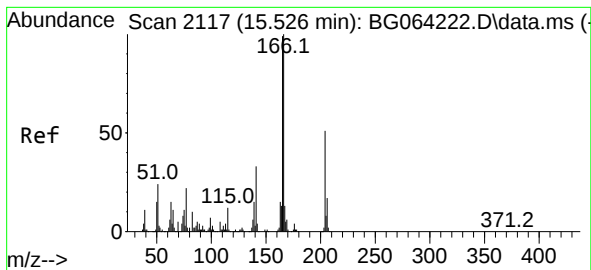


#60
Diethylphthalate
Concen: 42.460 ng
RT: 15.302 min Scan# 2079
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:149 Resp: 301053
Ion Ratio Lower Upper
149 100
177 23.3 17.5 26.3
150 11.9 9.9 14.9





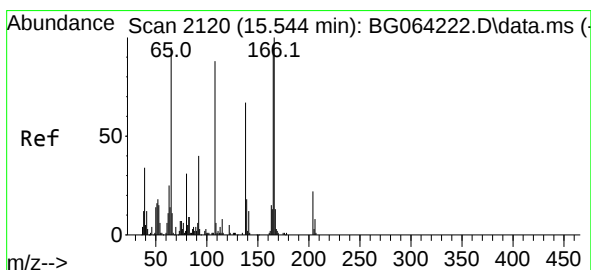
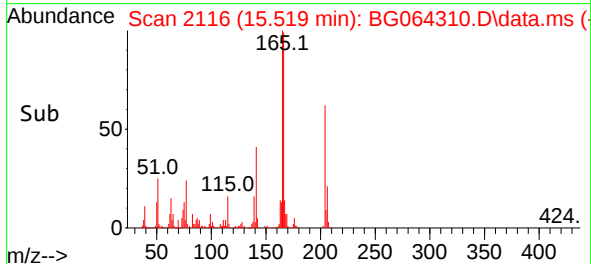
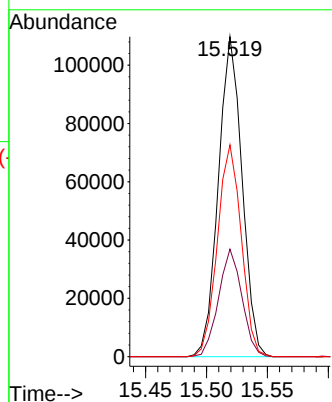
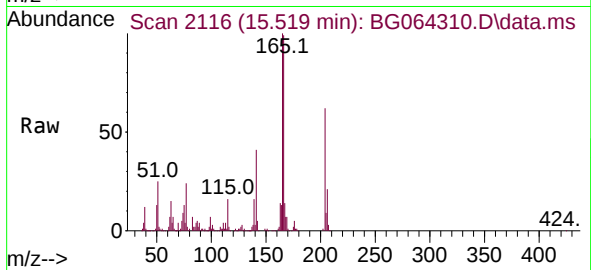
#61
4-Chlorophenyl-phenylether
Concen: 46.226 ng
RT: 15.519 min Scan# 2116
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS

Tgt Ion:204 Resp: 148559
Ion Ratio Lower Upper
204 100
206 33.6 26.2 39.4
141 66.2 51.9 77.9

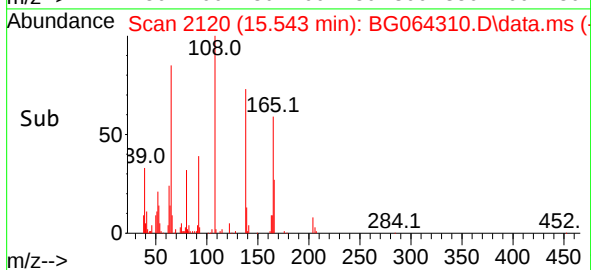
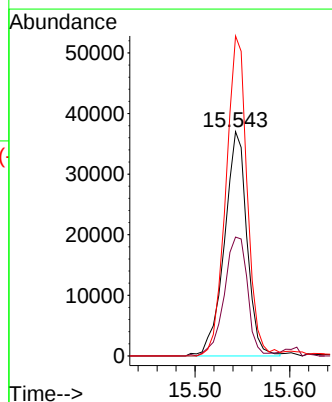
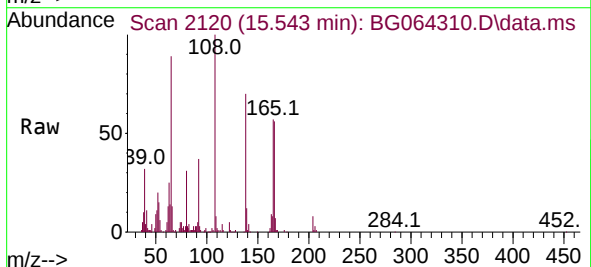
Manual Integrations
APPROVED

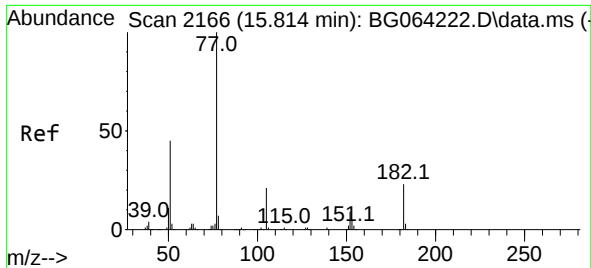
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#62
4-Nitroaniline
Concen: 44.537 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.013 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

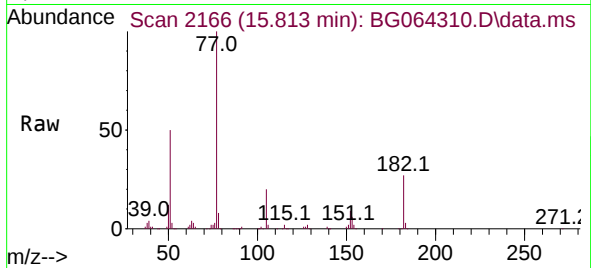
Tgt Ion:138 Resp: 61057
Ion Ratio Lower Upper
138 100
92 53.0 39.1 79.1
108 142.7 111.3 151.3





#63
Azobenzene
Concen: 45.493 ng
RT: 15.813 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

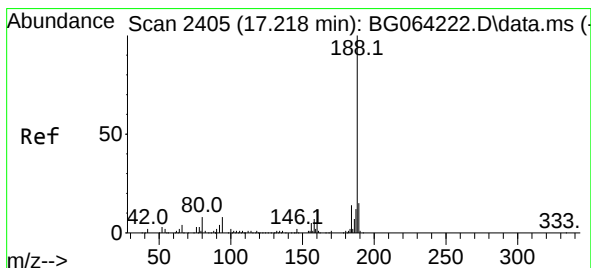
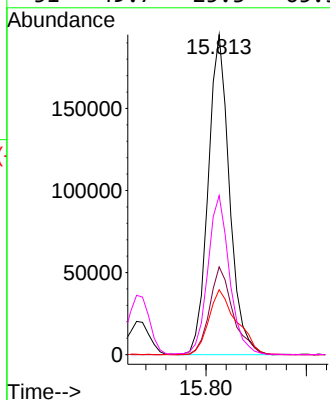
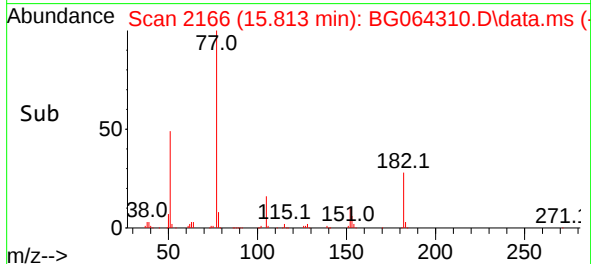
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



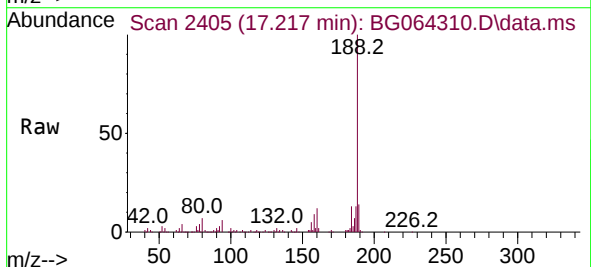
Tgt Ion: 77 Resp: 287494
Ion Ratio Lower Upper
77 100
182 27.4 3.3 43.3
105 20.3 0.6 40.6
51 49.7 25.3 65.3

Manual Integrations
APPROVED

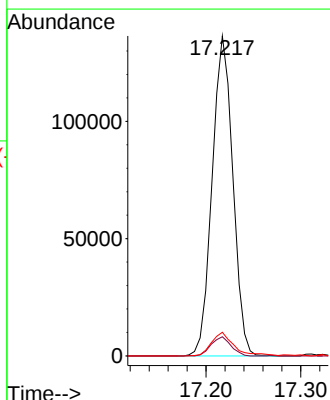
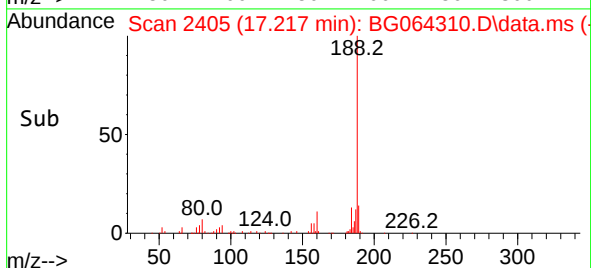
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

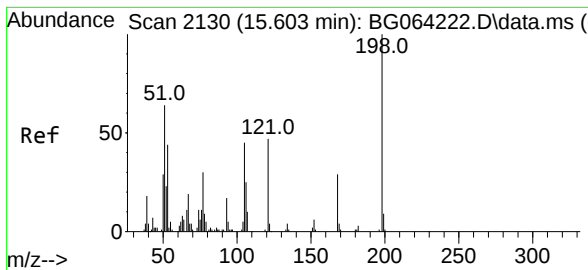


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.217 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:188 Resp: 206725
Ion Ratio Lower Upper
188 100
94 6.0 6.2 9.4#
80 7.4 6.8 10.2





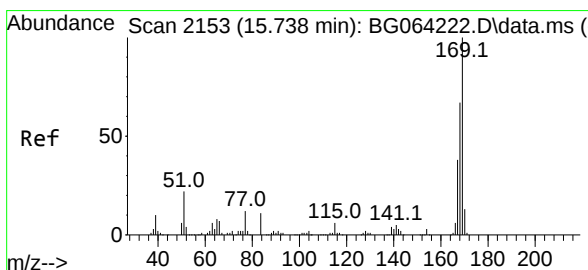
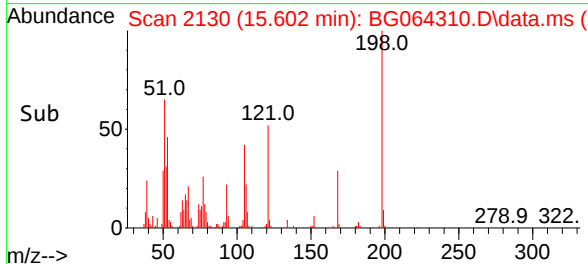
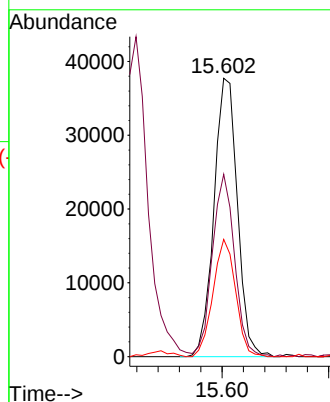
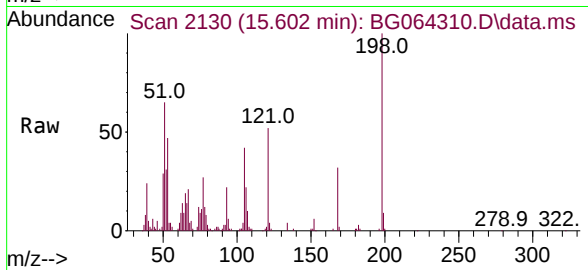
#65
4,6-Dinitro-2-methylphenol
Concen: 48.587 ng
RT: 15.602 min Scan# 2130
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS

Tgt Ion:198 Resp: 57660
Ion Ratio Lower Upper
198 100
51 65.5 46.2 86.2
105 42.1 25.0 65.0

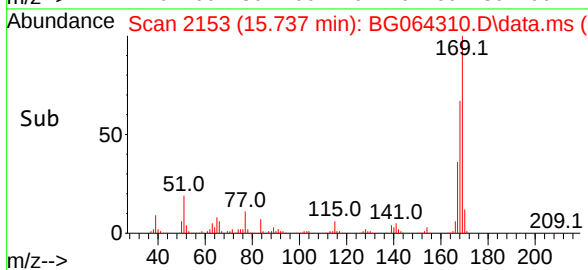
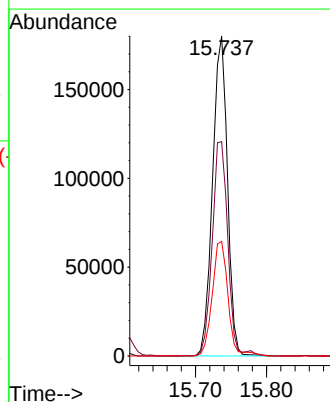
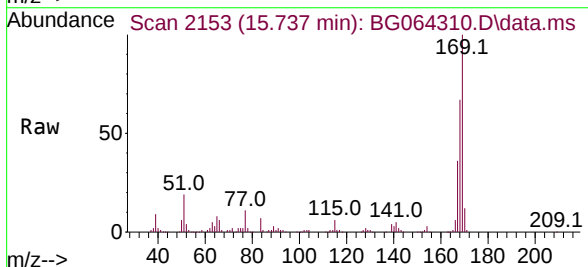
Manual Integrations
APPROVED

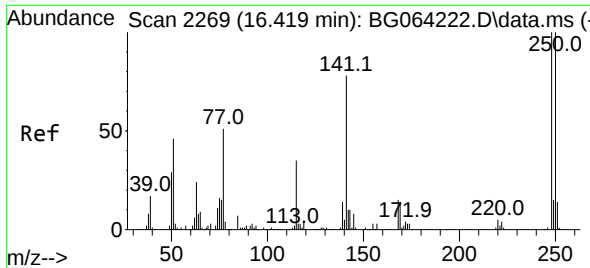
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#66
n-Nitrosodiphenylamine
Concen: 45.976 ng
RT: 15.737 min Scan# 2153
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

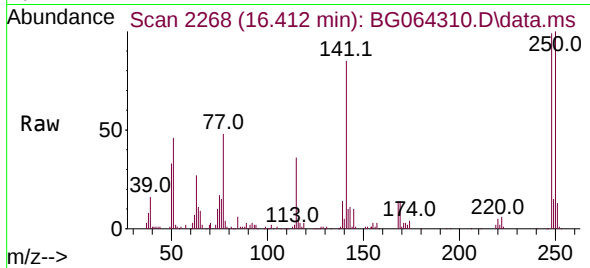
Tgt Ion:169 Resp: 261455
Ion Ratio Lower Upper
169 100
168 66.9 53.8 80.8
167 35.8 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 47.809 ng
RT: 16.412 min Scan# 2268
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

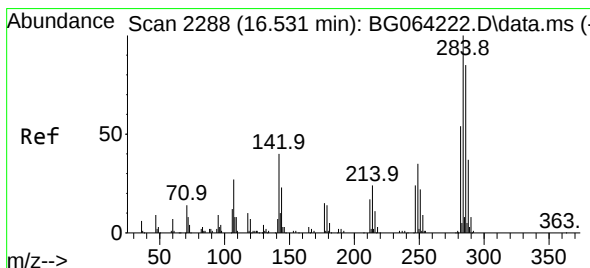
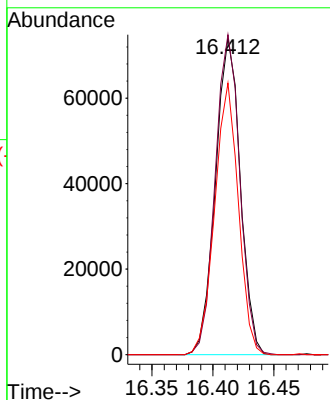
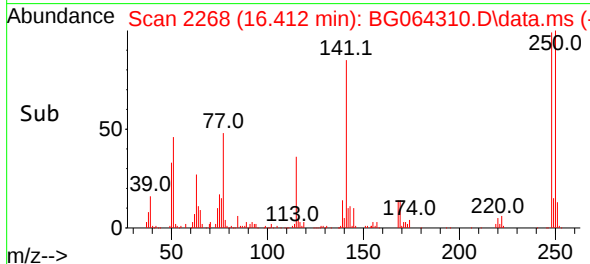
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



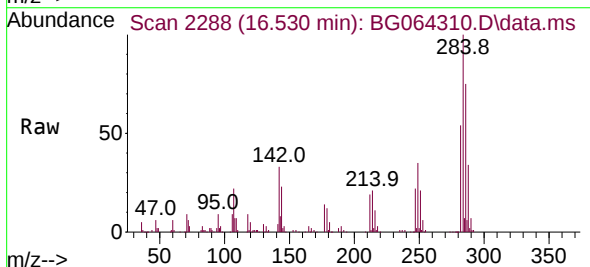
Tgt Ion:248 Resp: 104973
Ion Ratio Lower Upper
248 100
250 101.1 80.2 120.4
141 85.8 62.4 93.6

Manual Integrations
APPROVED

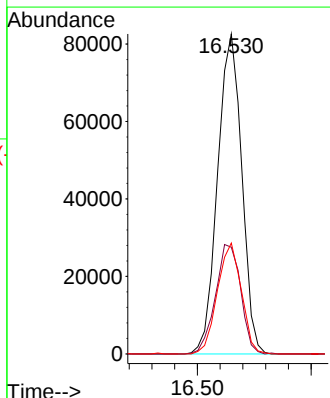
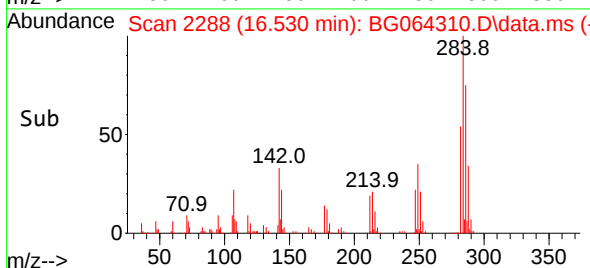
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

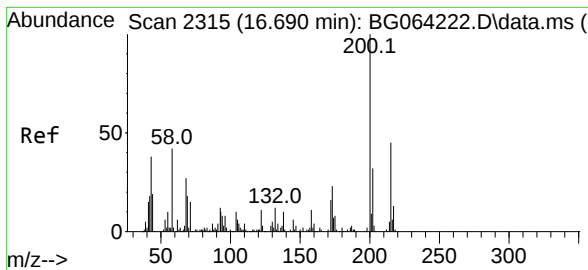


#68
Hexachlorobenzene
Concen: 49.795 ng
RT: 16.530 min Scan# 2288
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



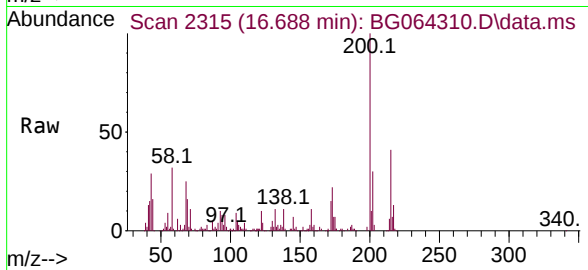
Tgt Ion:284 Resp: 121414
Ion Ratio Lower Upper
284 100
142 33.3 32.1 48.1
249 34.6 28.3 42.5





#69
 Atrazine
 Concen: 49.577 ng
 RT: 16.688 min Scan# 2315
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

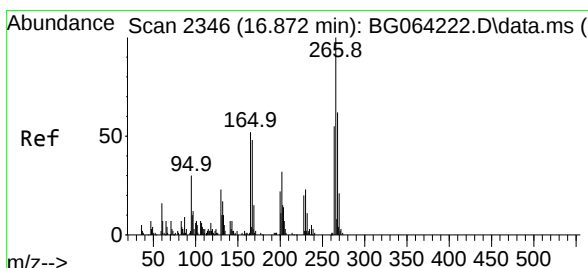
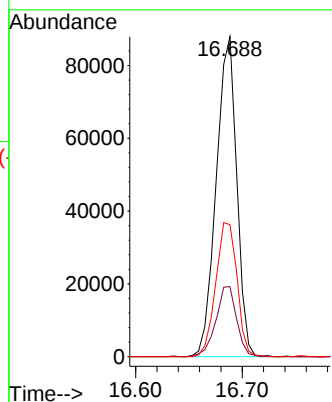
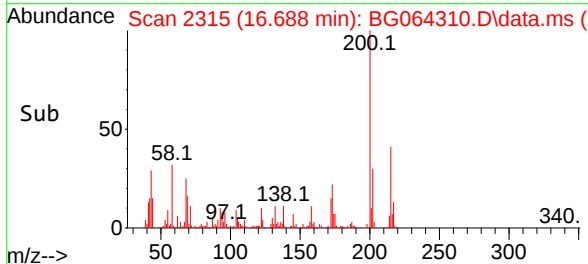
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS



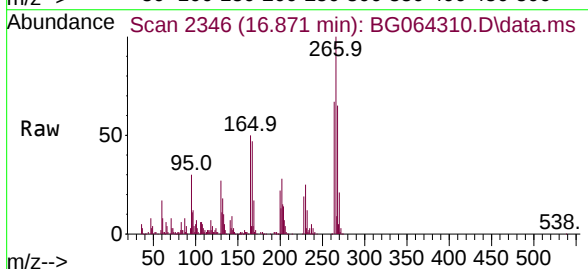
Tgt Ion:200 Resp: 117720
 Ion Ratio Lower Upper
 200 100
 173 21.9 3.5 43.5
 215 41.3 24.8 64.8

Manual Integrations
 APPROVED

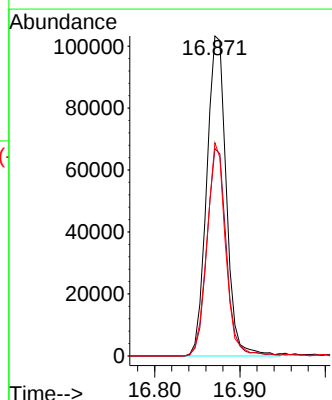
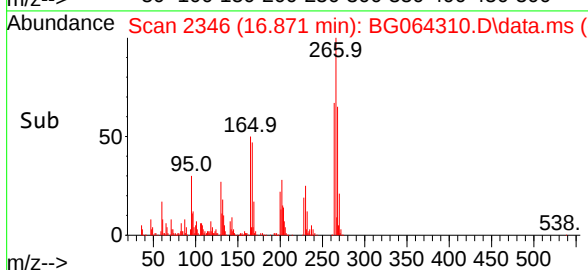
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

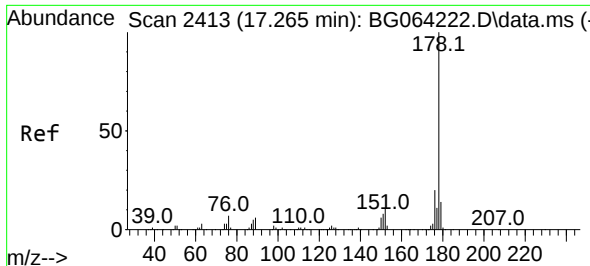


#70
 Pentachlorophenol
 Concen: 111.000 ng
 RT: 16.871 min Scan# 2346
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00



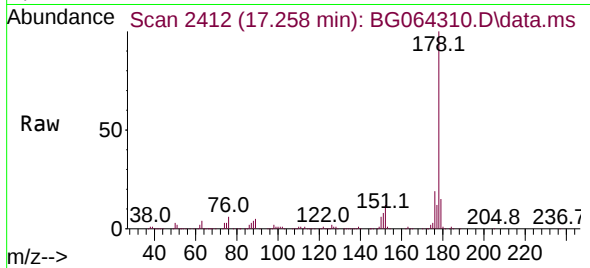
Tgt Ion:266 Resp: 164105
 Ion Ratio Lower Upper
 266 100
 268 64.8 49.4 74.0
 264 66.6 44.3 66.5#





#71
Phenanthrene
Concen: 46.361 ng
RT: 17.258 min Scan# 2413
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

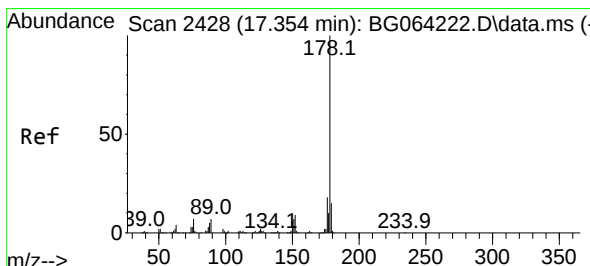
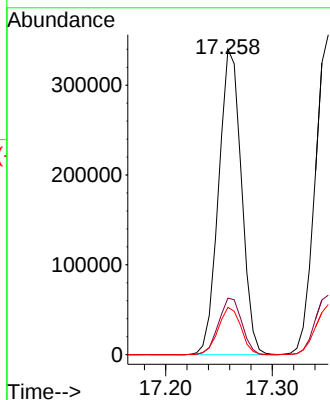
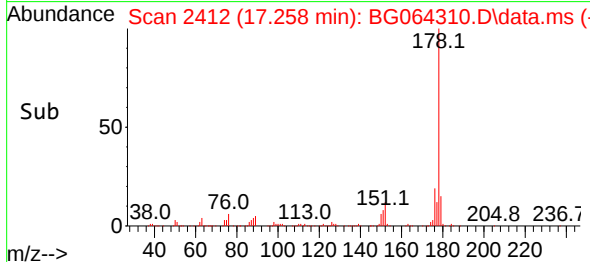
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:178 Resp: 505490
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.5 11.4 17.2

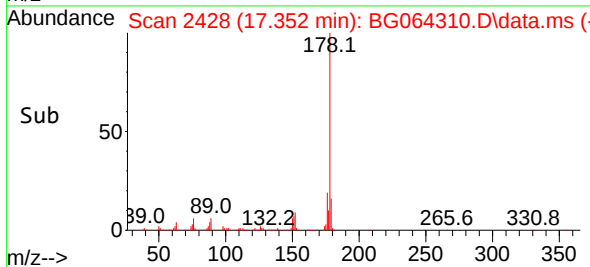
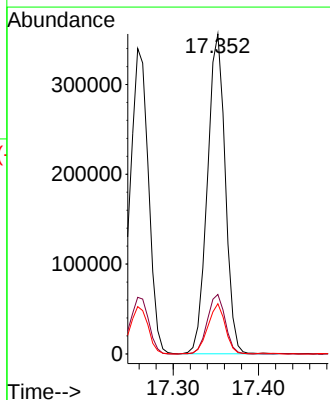
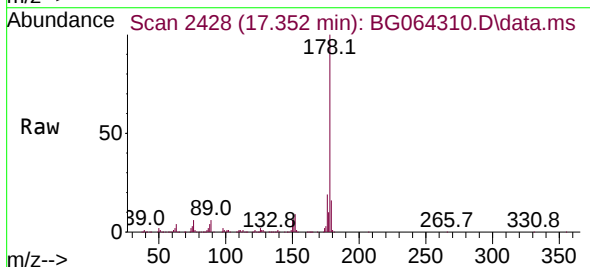
Manual Integrations
APPROVED

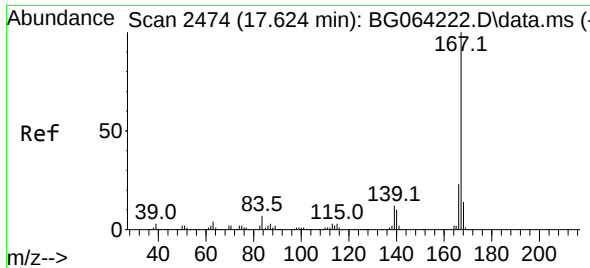
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#72
Anthracene
Concen: 46.553 ng
RT: 17.352 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

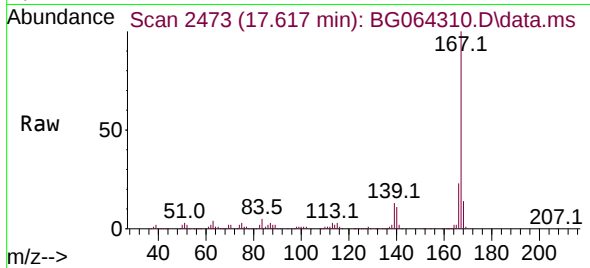
Tgt Ion:178 Resp: 516321
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.7 12.1 18.1





#73
 Carbazole
 Concen: 47.876 ng
 RT: 17.617 min Scan# 2473
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

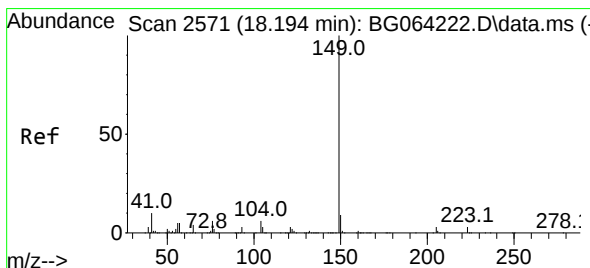
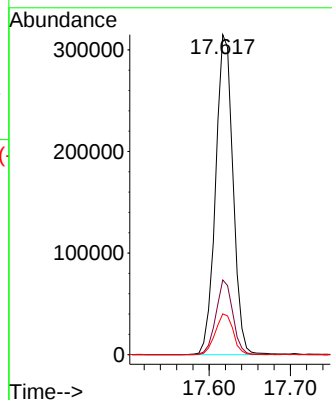
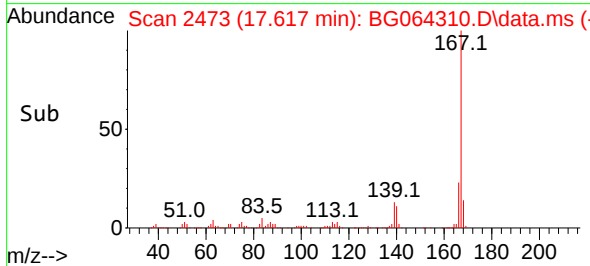
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS



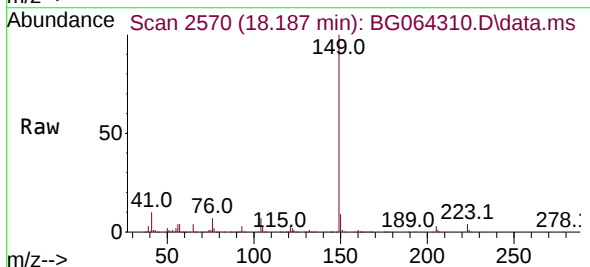
Tgt Ion:167 Resp: 467776
 Ion Ratio Lower Upper
 167 100
 166 23.3 18.2 27.2
 139 12.7 9.8 14.6

Manual Integrations
 APPROVED

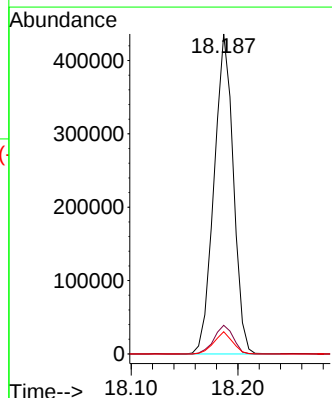
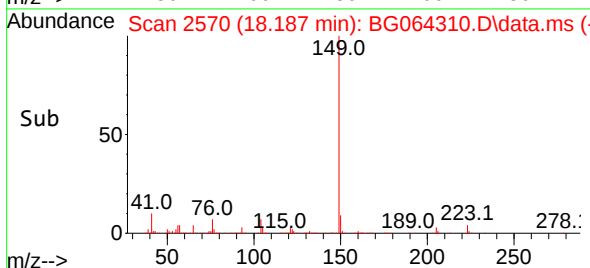
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

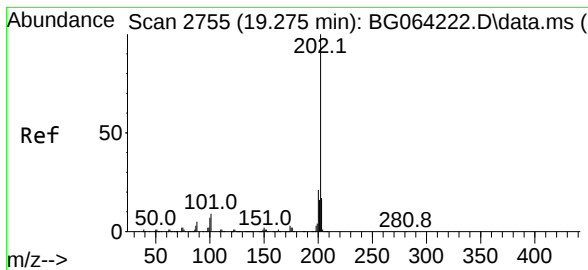


#74
 Di-n-butylphthalate
 Concen: 46.765 ng
 RT: 18.187 min Scan# 2570
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00



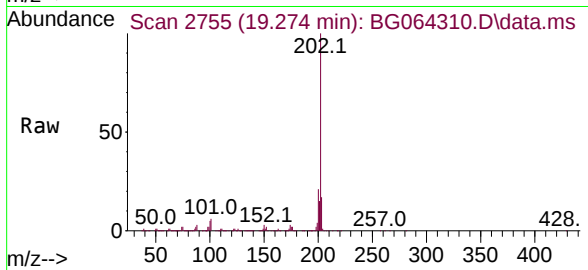
Tgt Ion:149 Resp: 548947
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 6.9 4.6 7.0





#75
Fluoranthene
Concen: 50.498 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

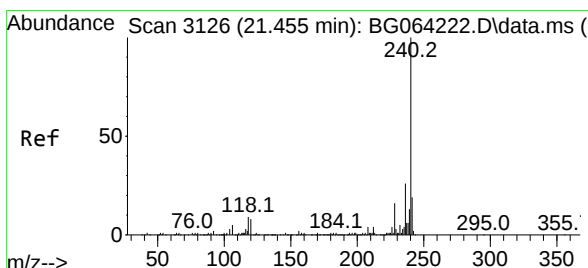
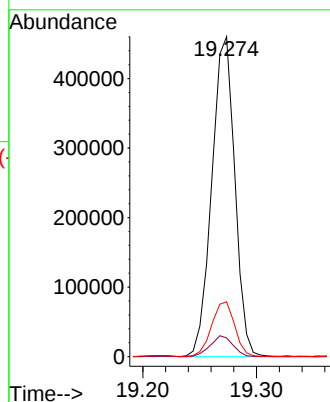
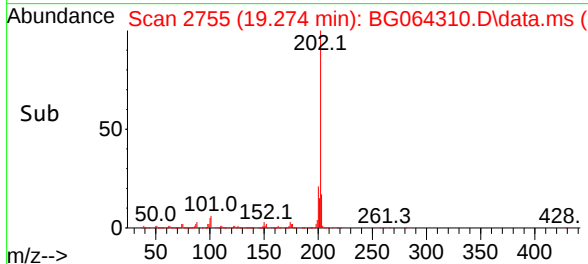
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:202 Resp: 647405
Ion Ratio Lower Upper
202 100
101 5.8 0.0 28.7
203 17.1 0.0 36.9

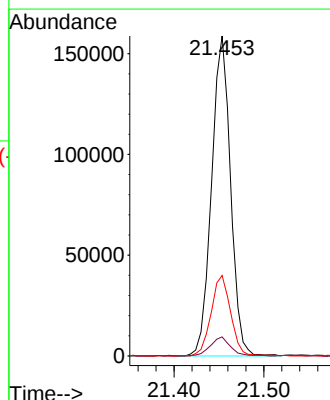
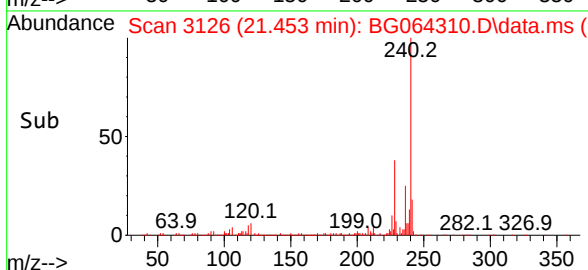
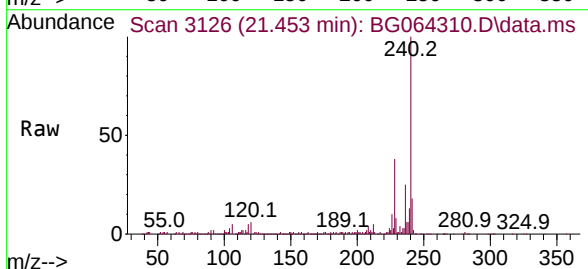
Manual Integrations
APPROVED

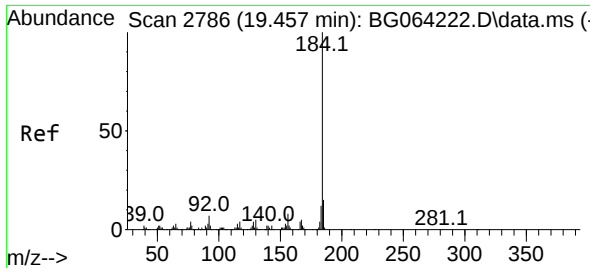
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 3126
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

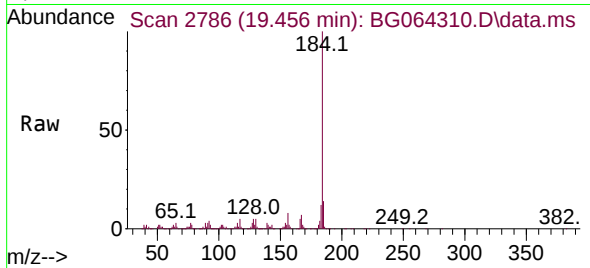
Tgt Ion:240 Resp: 233045
Ion Ratio Lower Upper
240 100
120 5.9 6.2 9.4#
236 25.1 20.5 30.7





#77
Benzidine
Concen: 66.409 ng
RT: 19.456 min Scan# 2786
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

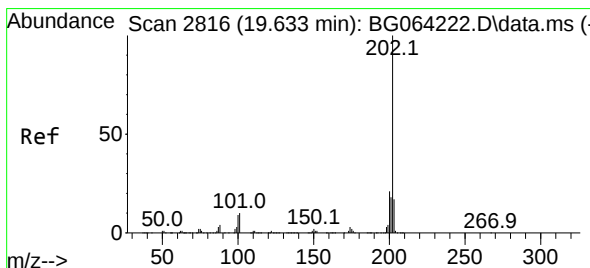
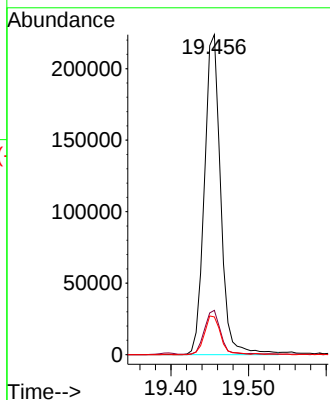
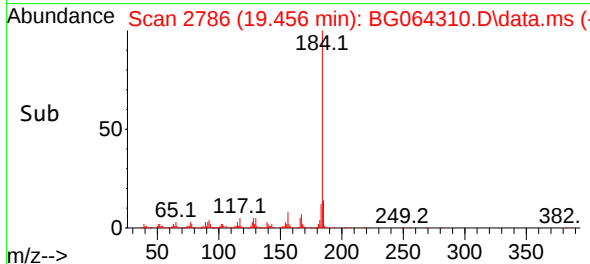
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



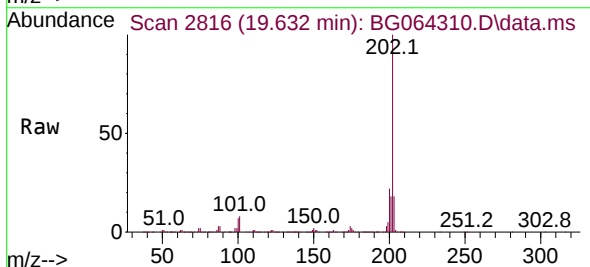
Tgt Ion:184 Resp: 325569
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 11.8 9.7 14.5

Manual Integrations
APPROVED

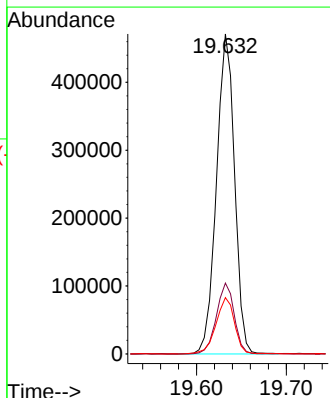
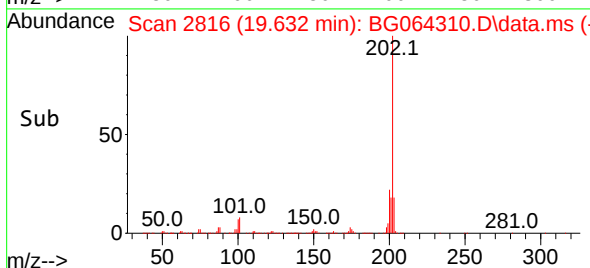
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

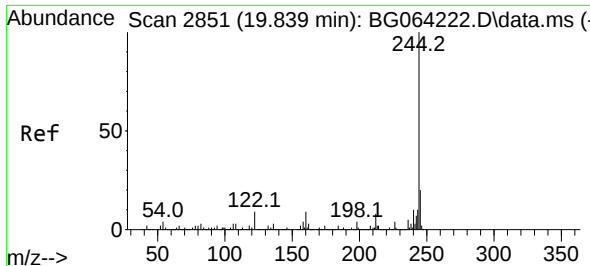


#78
Pyrene
Concen: 45.064 ng
RT: 19.632 min Scan# 2816
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:202 Resp: 661640
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 17.6 13.8 20.8





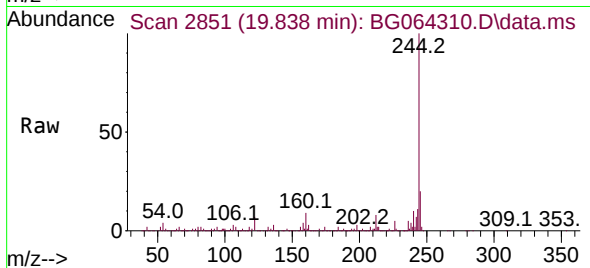
#79
 Terphenyl-d14
 Concen: 72.451 ng
 RT: 19.838 min Scan# 2851
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



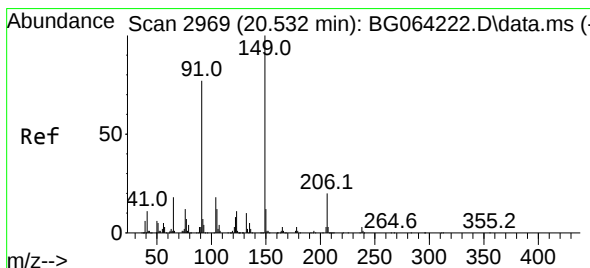
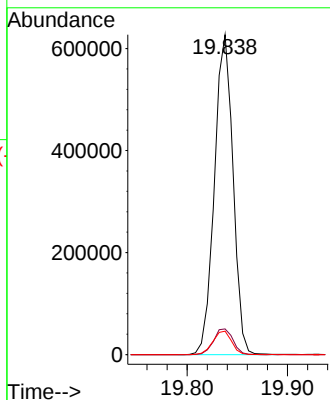
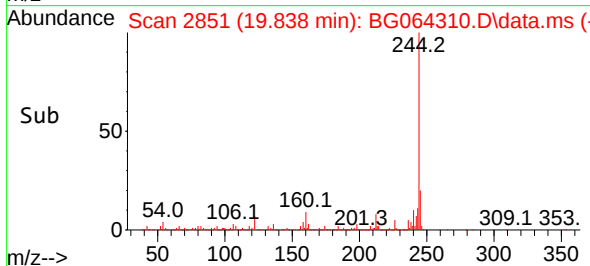
Tgt Ion:244 Resp: 809278
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 10.0
 122 7.3 7.0 10.6

Manual Integrations

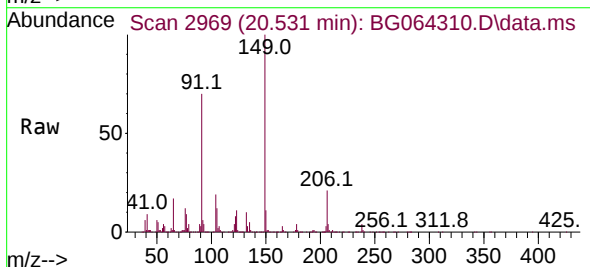
APPROVED

Reviewed By :Rahul Chavli 09/09/2025

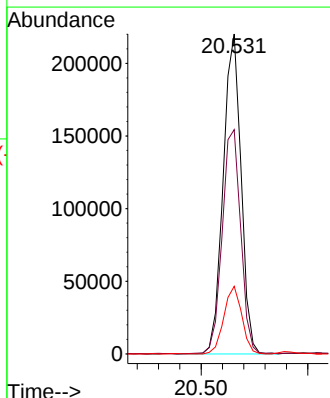
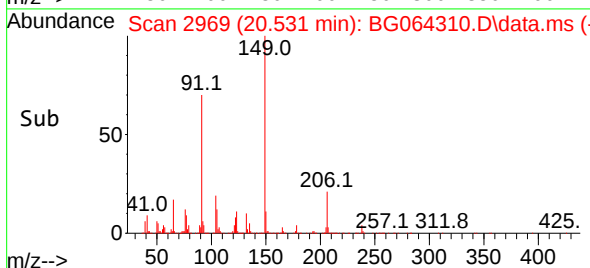
Supervised By :Jagrut Upadhyay 09/09/2025

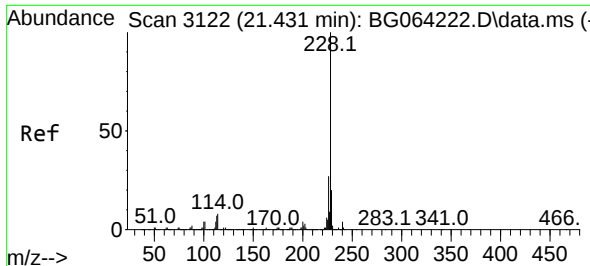


#80
 Butylbenzylphthalate
 Concen: 46.393 ng
 RT: 20.531 min Scan# 2969
 Delta R.T. -0.002 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00



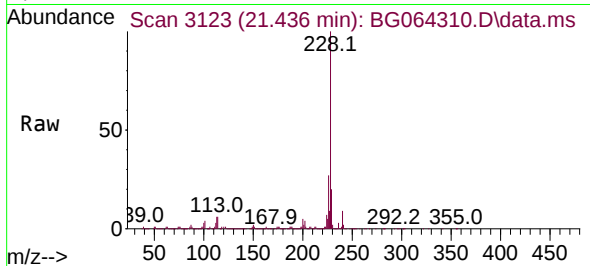
Tgt Ion:149 Resp: 256913
 Ion Ratio Lower Upper
 149 100
 91 70.1 61.4 92.0
 206 21.1 15.8 23.6





#81
Benzo(a)anthracene
Concen: 46.535 ng
RT: 21.436 min Scan# 3122
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

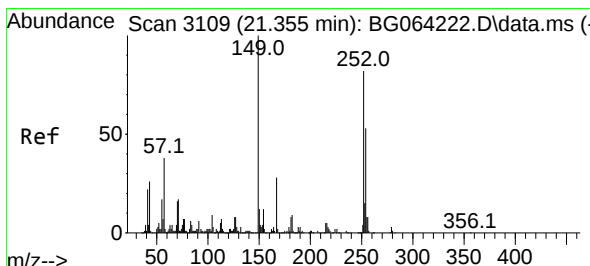
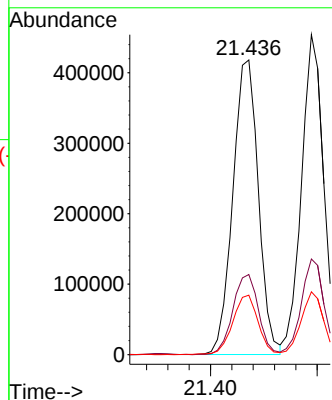
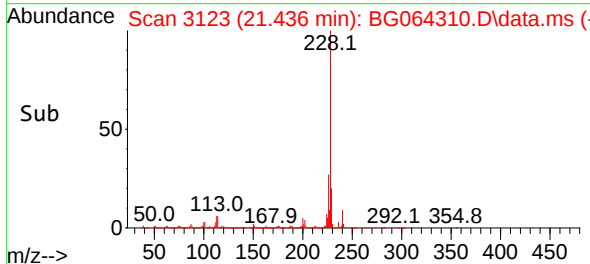
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



Tgt Ion:228 Resp: 693804
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.2 15.9 23.9

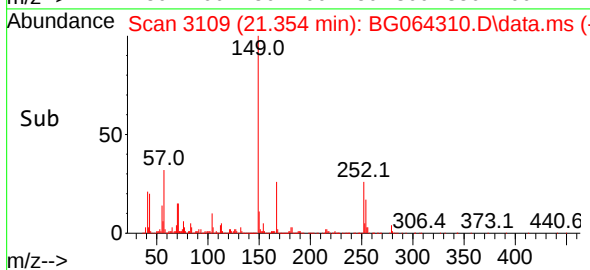
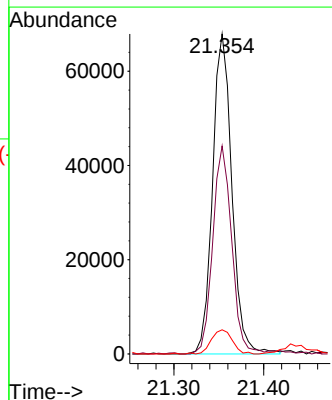
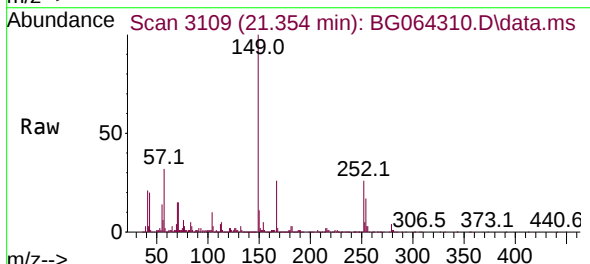
Manual Integrations
APPROVED

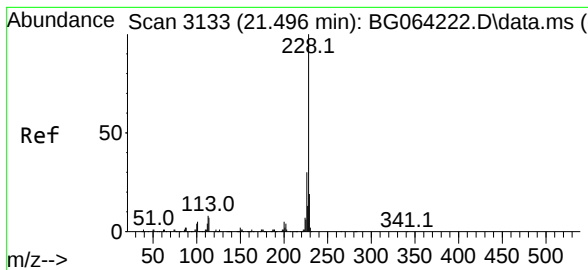
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#82
3,3'-Dichlorobenzidine
Concen: 20.939 ng
RT: 21.354 min Scan# 3109
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Tgt Ion:252 Resp: 101671
Ion Ratio Lower Upper
252 100
254 65.0 51.9 77.9
126 7.5 7.6 11.4#





#83

Chrysene

Concen: 45.515 ng

RT: 21.495 min Scan# 3113

Delta R.T. -0.007 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS

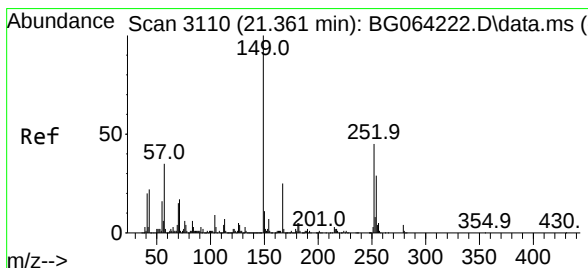
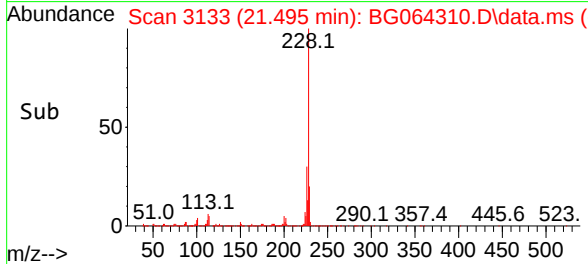
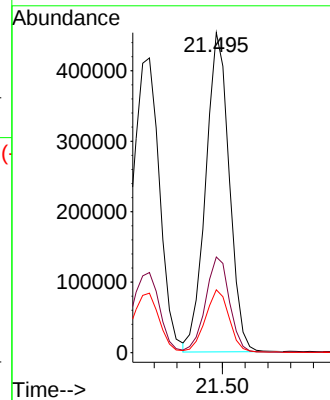
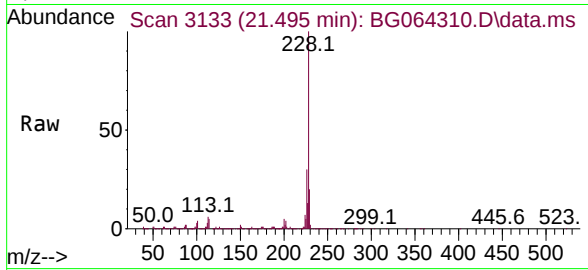
Tgt Ion:	228	Resp:	651473
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.2	36.2
229	19.6	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.985 ng

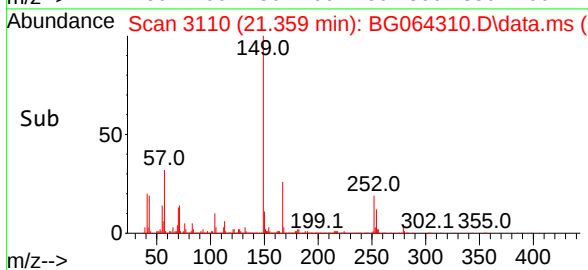
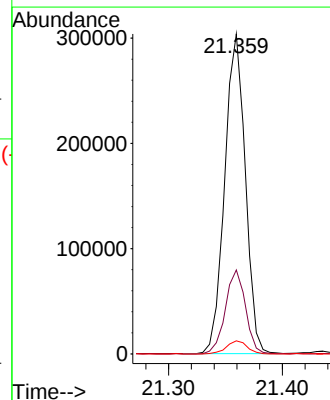
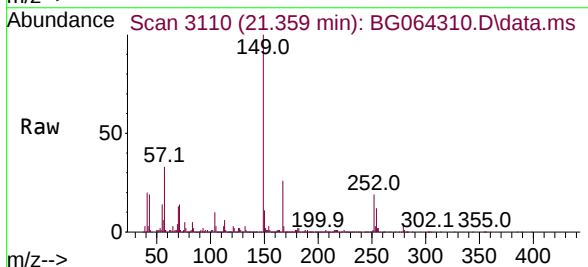
RT: 21.359 min Scan# 3110

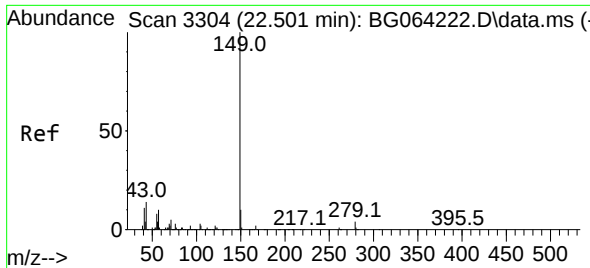
Delta R.T. -0.007 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

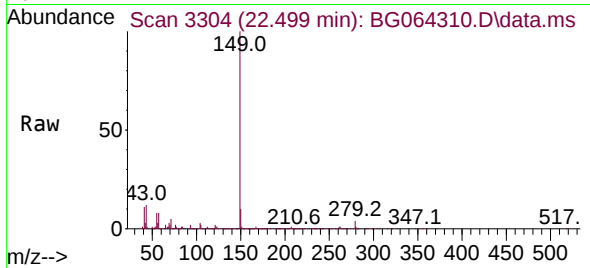
Tgt Ion:	149	Resp:	382322
Ion Ratio	Lower	Upper	
149	100		
167	26.2	20.0	30.0
279	4.1	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 44.451 ng
RT: 22.499 min Scan# 3304
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

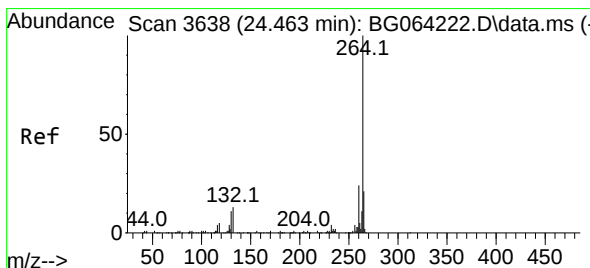
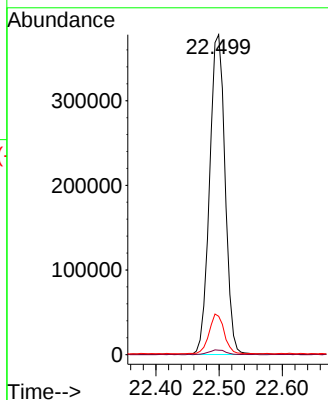
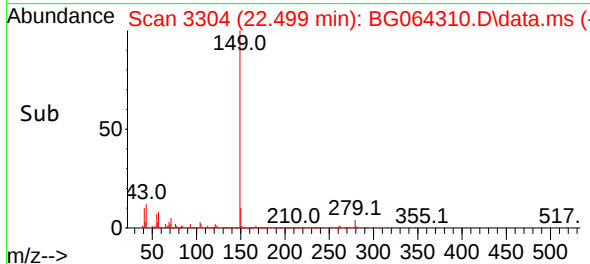
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MS



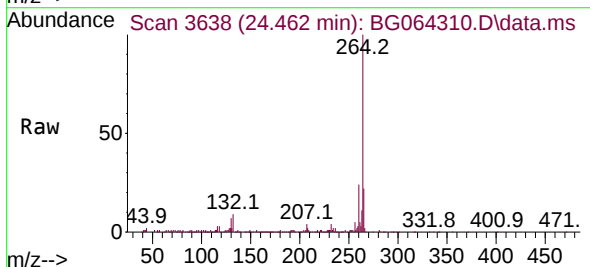
Tgt Ion:149 Resp: 643938
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.1 10.8 16.2

Manual Integrations
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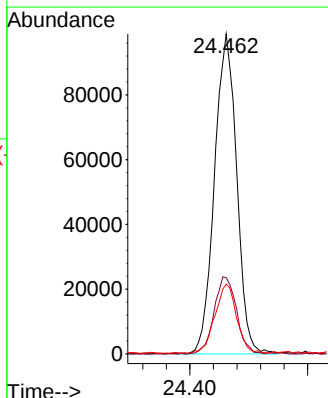
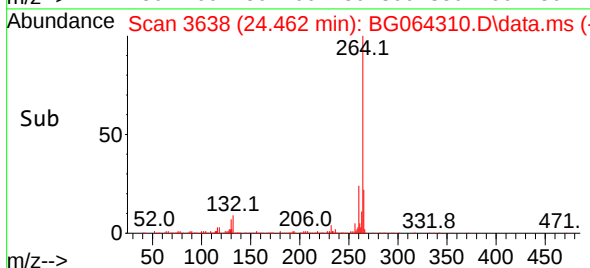
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

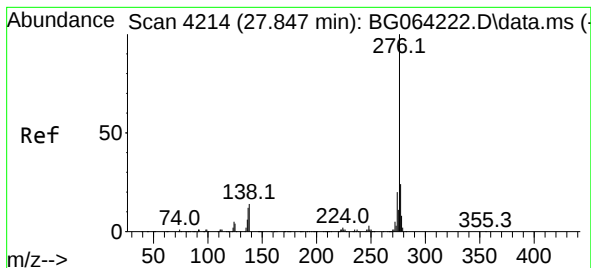


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3638
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



Tgt Ion:264 Resp: 259001
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.692 ng

RT: 27.858 min Scan# 41

Delta R.T. -0.013 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS

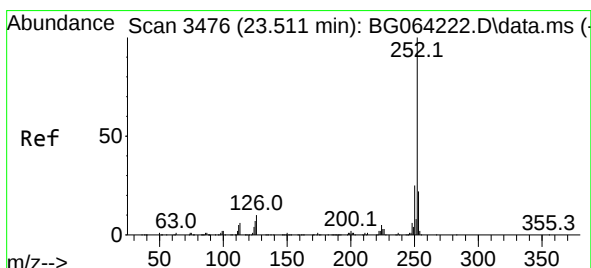
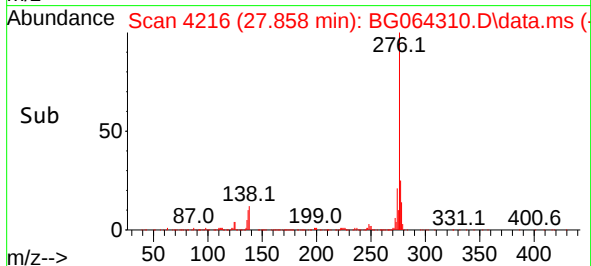
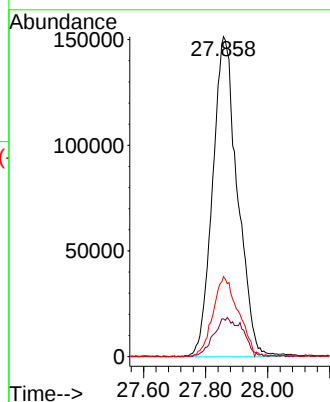
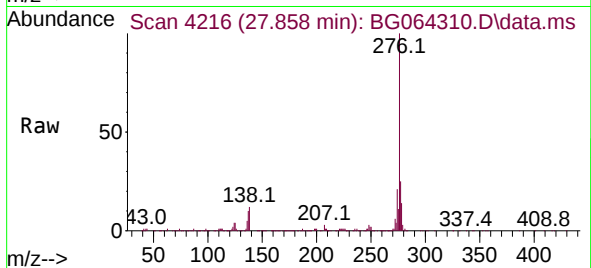
Tgt Ion:276 Resp: 843553
 Ion Ratio Lower Upper
 276 100
 138 6.1 7.4 11.0#
 277 25.3 20.5 30.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#88

Benzo(b)fluoranthene

Concen: 48.560 ng

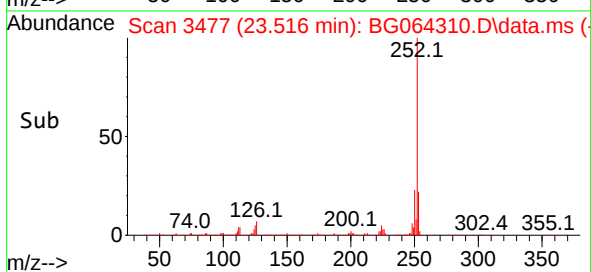
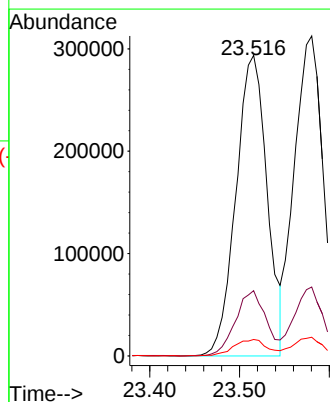
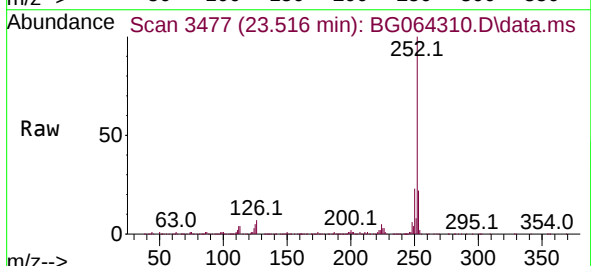
RT: 23.516 min Scan# 3477

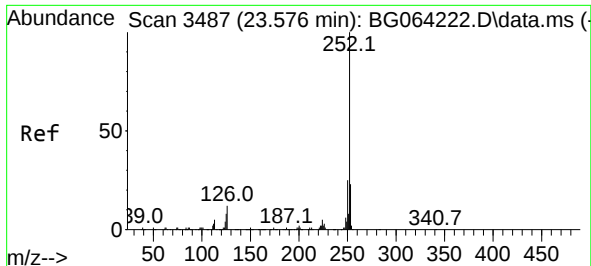
Delta R.T. -0.002 min

Lab File: BG064310.D

Acq: 8 Sep 2025 17:00

Tgt Ion:252 Resp: 709832
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.5 26.3
 125 5.4 5.9 8.9#





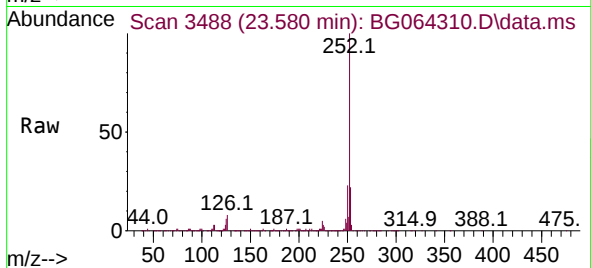
#89
Benzo(k)fluoranthene
Concen: 46.995 ng
RT: 23.580 min Scan# 3487
Delta R.T. -0.007 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MS



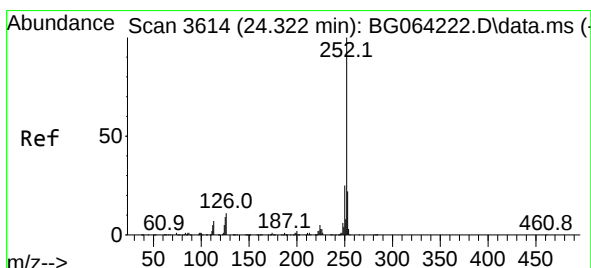
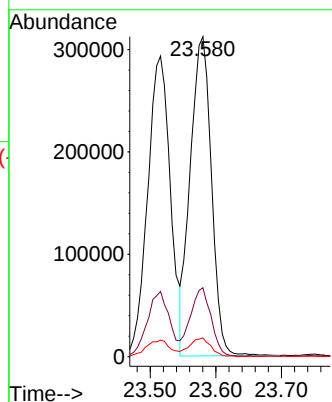
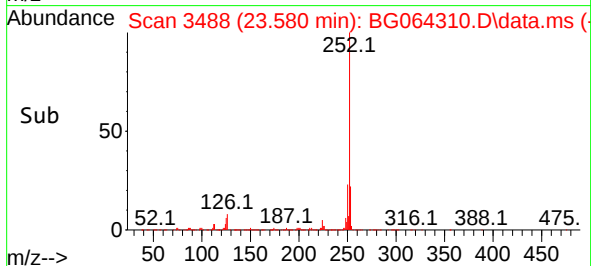
Tgt Ion:252 Resp: 699855
Ion Ratio Lower Upper
252 100
253 21.5 18.2 27.4
125 5.8 7.0 10.4

Manual Integrations

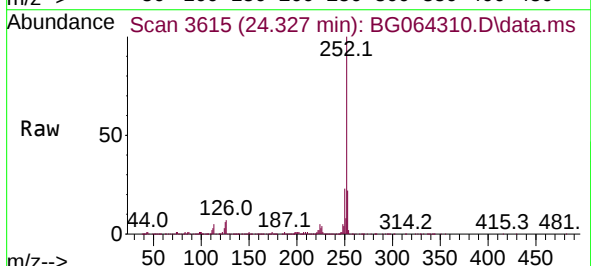
APPROVED

Reviewed By :Rahul Chavli 09/09/2025

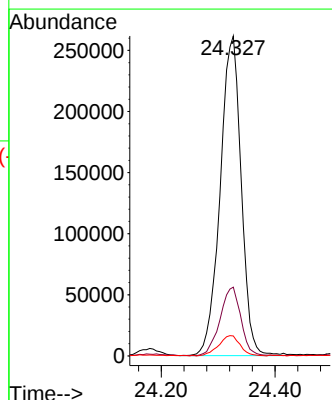
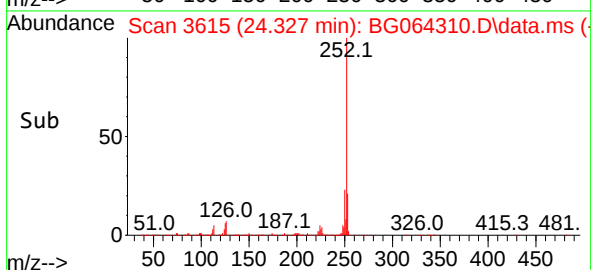
Supervised By :Jagrut Upadhyay 09/09/2025

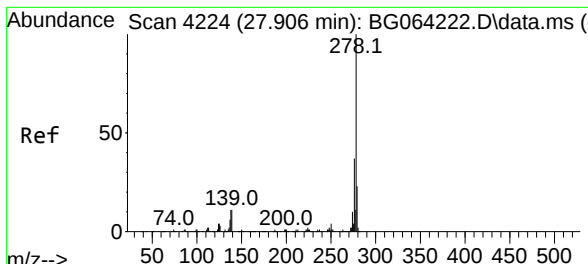


#90
Benzo(a)pyrene
Concen: 49.255 ng
RT: 24.327 min Scan# 3615
Delta R.T. -0.002 min
Lab File: BG064310.D
Acq: 8 Sep 2025 17:00



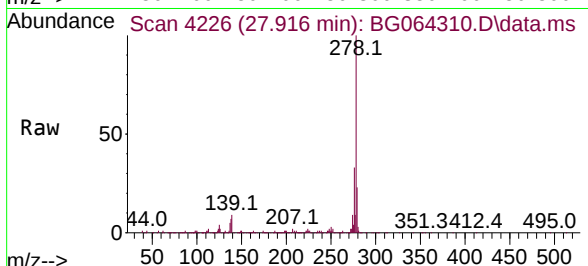
Tgt Ion:252 Resp: 669762
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 6.3 7.0 10.6





#91
 Dibenzo(a,h)anthracene
 Concen: 47.326 ng
 RT: 27.916 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00

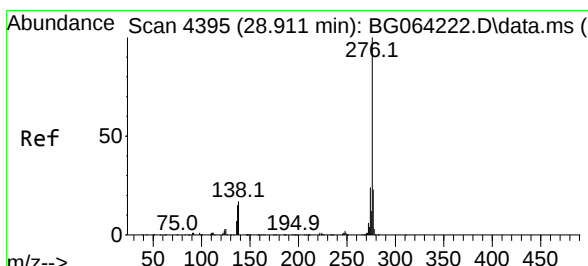
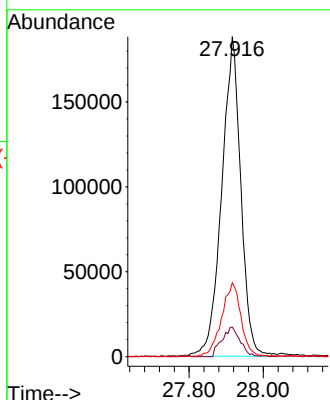
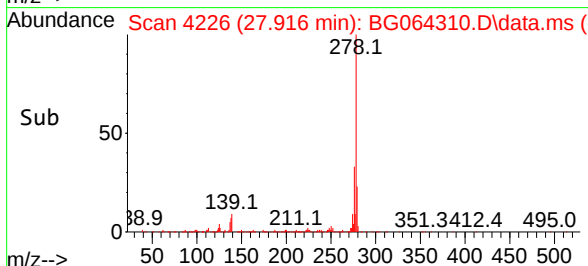
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS



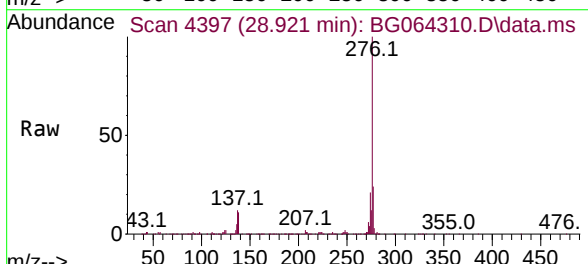
Tgt Ion:278 Resp: 67210
 Ion Ratio Lower Upper
 278 100
 139 9.2 9.0 13.4
 279 23.1 18.8 28.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025



#92
 Benzo(g,h,i)perylene
 Concen: 48.485 ng
 RT: 28.921 min Scan# 4397
 Delta R.T. -0.013 min
 Lab File: BG064310.D
 Acq: 8 Sep 2025 17:00



Tgt Ion:276 Resp: 670011
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.2 27.4
 138 11.2 13.3 19.9#

