

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064311.D
 Acq On : 8 Sep 2025 17:41
 Operator : RC/JU
 Sample : Q3032-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MSD

Quant Time: Sep 08 18:28:28 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	27418	20.000	ng	0.00
21) Naphthalene-d8	10.638	136	118432	20.000	ng	-0.01
39) Acenaphthene-d10	14.474	164	85135	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	210434	20.000	ng	# 0.00
76) Chrysene-d12	21.454	240	229459	20.000	ng	# 0.00
86) Perylene-d12	24.457	264	254609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.438	112	177792	116.338	ng	0.00
7) Phenol-d6	7.024	99	231110	110.077	ng	0.00
23) Nitrobenzene-d5	9.004	82	161267	75.942	ng	-0.01
42) 2,4,6-Tribromophenol	15.967	330	160143	142.015	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	396154	71.025	ng	-0.01
79) Terphenyl-d14	19.839	244	799674	72.710	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.346	88	21882	34.352	ng	92
3) Pyridine	3.740	79	59375	31.666	ng	# 57
4) n-Nitrosodimethylamine	3.658	42	52806	42.578	ng	99
6) Aniline	7.177	93	64707	22.287	ng	93
8) 2-Chlorophenol	7.418	128	83148	44.524	ng	98
9) Benzaldehyde	6.989	77	54154	31.342	ng	97
10) Phenol	7.054	94	98518	42.561	ng	91
11) bis(2-Chloroethyl)ether	7.271	93	65083	37.416	ng	96
12) 1,3-Dichlorobenzene	7.741	146	90507	45.556	ng	97
13) 1,4-Dichlorobenzene	7.888	146	92516	46.141	ng	93
14) 1,2-Dichlorobenzene	8.199	146	89126	46.057	ng	98
15) Benzyl Alcohol	8.082	79	82453	42.556	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.376	45	123981	31.219	ng	98
17) 2-Methylphenol	8.293	107	70147	40.661	ng	98
18) Hexachloroethane	8.928	117	34785	44.444	ng	# 76
19) n-Nitroso-di-n-propyla...	8.652	70	60674	37.760	ng	98
20) 3+4-Methylphenols	8.616	107	94706	39.508	ng	96
22) Acetophenone	8.663	105	139687	46.621	ng	# 96
24) Nitrobenzene	9.045	77	96833	43.644	ng	96
25) Isophorone	9.568	82	168455	38.169	ng	97
26) 2-Nitrophenol	9.750	139	45766	47.738	ng	# 83
27) 2,4-Dimethylphenol	9.815	122	81174	48.227	ng	94
28) bis(2-Chloroethoxy)met...	10.050	93	91541	38.466	ng	96
29) 2,4-Dichlorophenol	10.291	162	85438	48.108	ng	97
30) 1,2,4-Trichlorobenzene	10.502	180	94136	50.271	ng	92
31) Naphthalene	10.690	128	265799	43.280	ng	99
32) Benzoic acid	9.985	122	70041	52.422	ng	94
33) 4-Chloroaniline	10.796	127	37547	15.774	ng	98
34) Hexachlorobutadiene	10.978	225	73173	52.864	ng	93
35) Caprolactam	11.566	113	27098m	39.406	ng	
36) 4-Chloro-3-methylphenol	11.924	107	104955	45.549	ng	94
37) 2-Methylnaphthalene	12.300	142	178217	39.041	ng	97
38) 1-Methylnaphthalene	12.518	142	192479m	42.689	ng	
40) 1,2,4,5-Tetrachloroben...	12.671	216	132633	53.995	ng	98
41) Hexachlorocyclopentadiene	12.653	237	142725	122.254	ng	97
43) 2,4,6-Trichlorophenol	12.906	196	80548	49.060	ng	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.982	196	90948	51.065	ng	91
46) 1,1'-Biphenyl	13.311	154	305338	49.242	ng	98
47) 2-Chloronaphthalene	13.352	162	207265	44.461	ng	97
48) 2-Nitroaniline	13.552	65	74215	46.709	ng	97
49) Acenaphthylene	14.198	152	350332	50.838	ng	98
50) Dimethylphthalate	13.934	163	268250	41.628	ng	100
51) 2,6-Dinitrotoluene	14.051	165	62400	50.019	ng	91
52) Acenaphthene	14.539	154	210493	43.284	ng	97
53) 3-Nitroaniline	14.374	138	36789	28.153	ng	# 95
54) 2,4-Dinitrophenol	14.586	184	64602	79.312	ng	# 78
55) Dibenzofuran	14.874	168	343894	44.958	ng	99
56) 4-Nitrophenol	14.698	139	103316	96.382	ng	# 77
57) 2,4-Dinitrotoluene	14.839	165	92282	48.923	ng	# 99
58) Fluorene	15.526	166	288114	45.955	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.103	232	88726	51.796	ng	99
60) Diethylphthalate	15.303	149	297415	43.126	ng	99
61) 4-Chlorophenyl-phenyle...	15.520	204	147341	47.136	ng	98
62) 4-Nitroaniline	15.544	138	57638	43.225	ng	# 82
63) Azobenzene	15.814	77	279664	45.498	ng	95
65) 4,6-Dinitro-2-methylph...	15.602	198	54007	44.702	ng	97
66) n-Nitrosodiphenylamine	15.732	169	250954	43.351	ng	99
67) 4-Bromophenyl-phenylether	16.413	248	106168	47.501	ng	95
68) Hexachlorobenzene	16.531	284	118518	47.751	ng	94
69) Atrazine	16.683	200	112629	46.597	ng	99
70) Pentachlorophenol	16.877	266	164219	109.119	ng	94
71) Phenanthrene	17.259	178	488694	44.031	ng	98
72) Anthracene	17.353	178	496769	44.000	ng	98
73) Carbazole	17.618	167	446158	44.859	ng	97
74) Di-n-butylphthalate	18.188	149	534612	44.741	ng	99
75) Fluoranthene	19.275	202	634926	48.652	ng	98
77) Benzidine	19.457	184	322238	66.757	ng	99
78) Pyrene	19.633	202	649657	44.940	ng	99
80) Butylbenzylphthalate	20.532	149	251870	46.193	ng	92
81) Benzo(a)anthracene	21.431	228	683017	46.528	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	101253	21.179	ng	96
83) Chrysene	21.495	228	629528	44.669	ng	99
84) Bis(2-ethylhexyl)phtha...	21.360	149	365874	44.694	ng	# 98
85) Di-n-octyl phthalate	22.494	149	623515	43.714	ng	97
87) Indeno(1,2,3-cd)pyrene	27.859	276	810708	46.626	ng	# 96
88) Benzo(b)fluoranthene	23.517	252	657099	45.728	ng	# 97
89) Benzo(k)fluoranthene	23.581	252	694245m	47.422	ng	
90) Benzo(a)pyrene	24.327	252	650551	48.668	ng	# 97
91) Dibenzo(a,h)anthracene	27.917	278	646540	46.312	ng	98
92) Benzo(g,h,i)perylene	28.922	276	655223	48.233	ng	# 93

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

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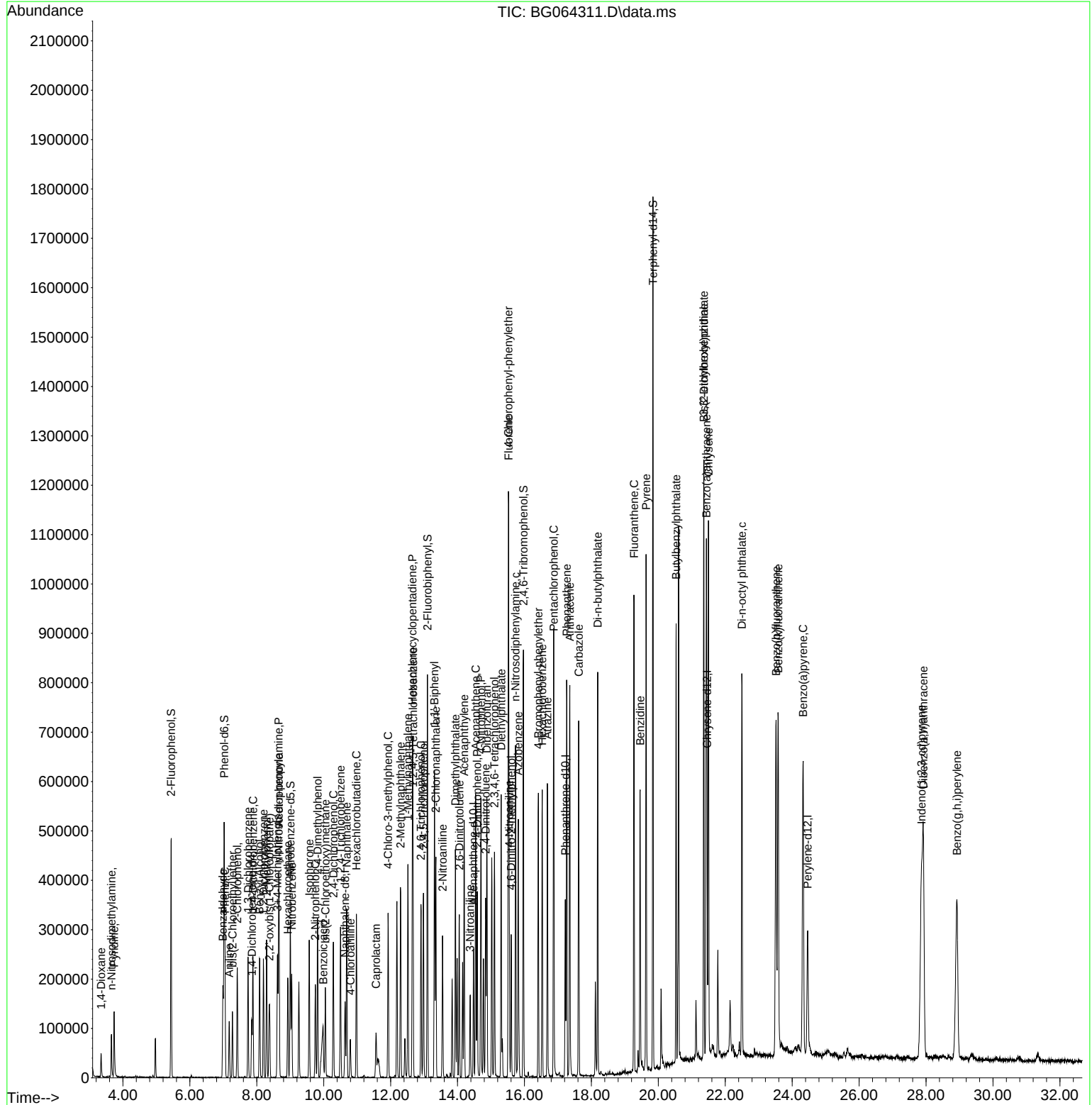
Quant Time: Sep 08 18:28:28 2025

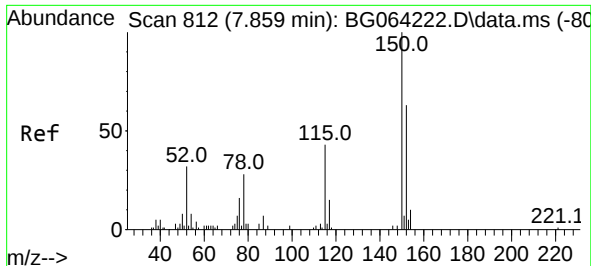
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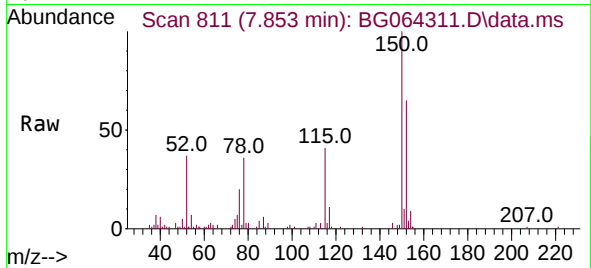
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

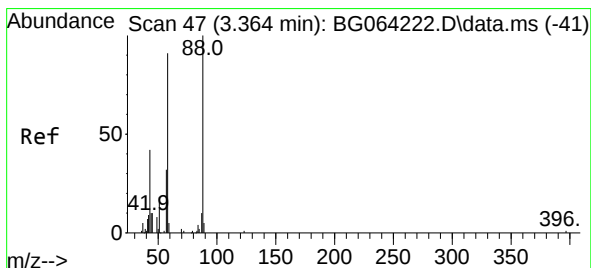
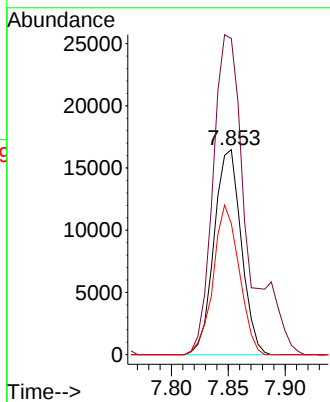
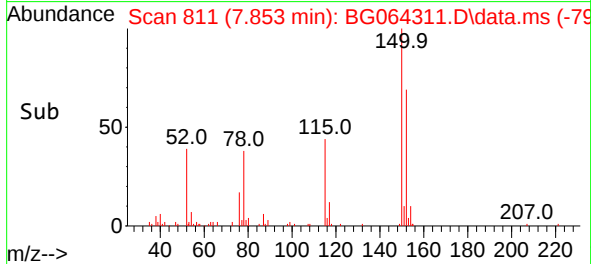
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:152 Resp: 27418
Ion Ratio Lower Upper
152 100
150 154.2 128.0 192.0
115 64.0 55.7 83.5

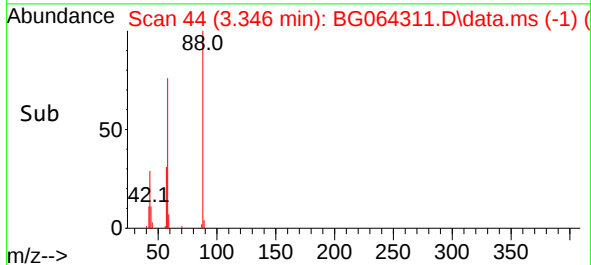
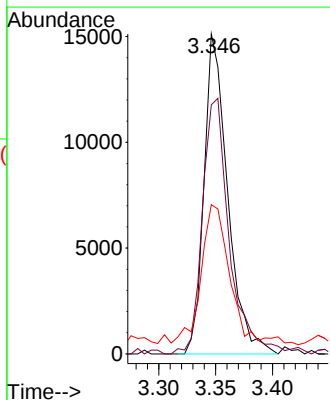
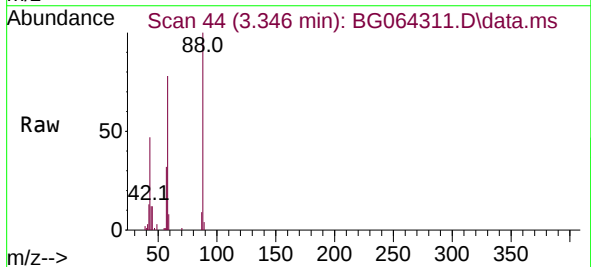
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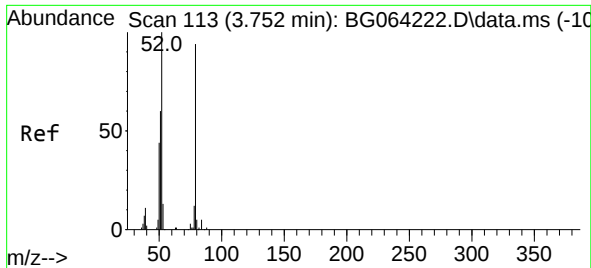
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#2
1,4-Dioxane
Concen: 34.352 ng
RT: 3.346 min Scan# 44
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

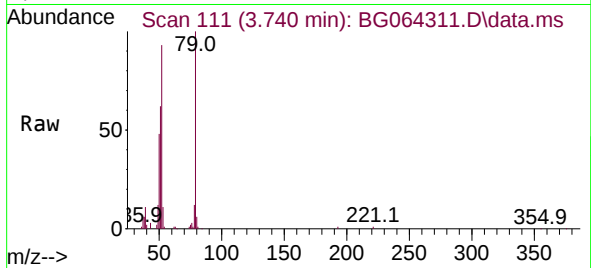
Tgt Ion: 88 Resp: 21882
Ion Ratio Lower Upper
88 100
58 91.6 80.8 121.2
43 54.1 40.3 60.5





#3
Pyridine
Concen: 31.666 ng
RT: 3.740 min Scan# 113
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

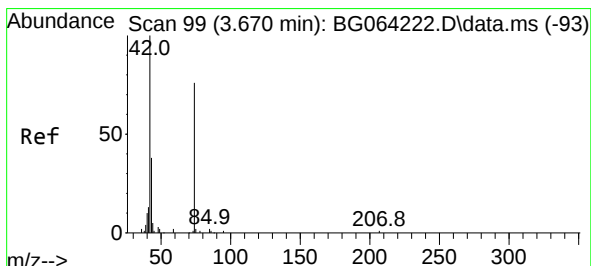
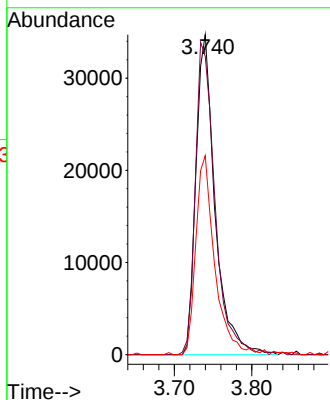
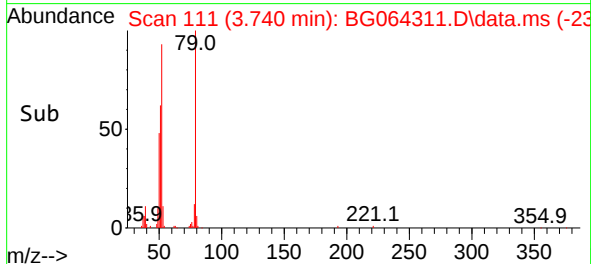
Instrument :
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ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion: 79 Resp: 59375
Ion Ratio Lower Upper
79 100
52 93.2 86.6 129.8
51 62.2 114.1 171.1

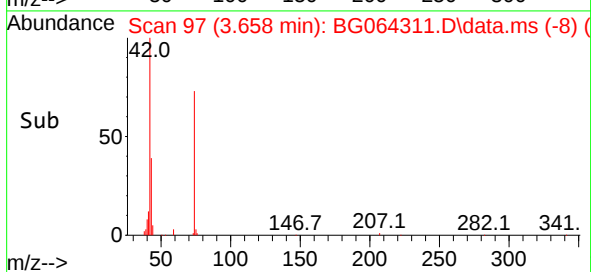
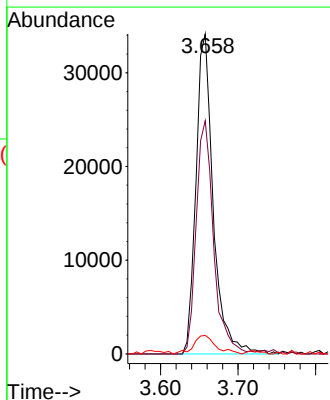
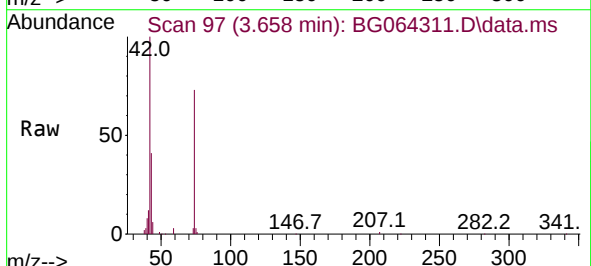
Manual Integrations
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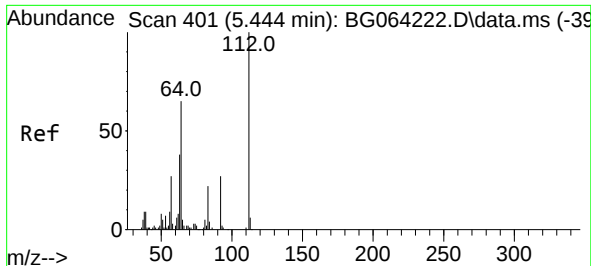
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Supervised By :Jagrut Upadhyay 09/09/2025



#4
n-Nitrosodimethylamine
Concen: 42.578 ng
RT: 3.658 min Scan# 97
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

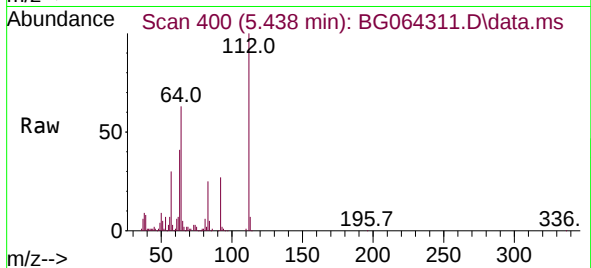
Tgt Ion: 42 Resp: 52806
Ion Ratio Lower Upper
42 100
74 72.9 58.0 87.0
44 5.8 5.5 8.3





#5
2-Fluorophenol
Concen: 116.338 ng
RT: 5.438 min Scan# 401
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

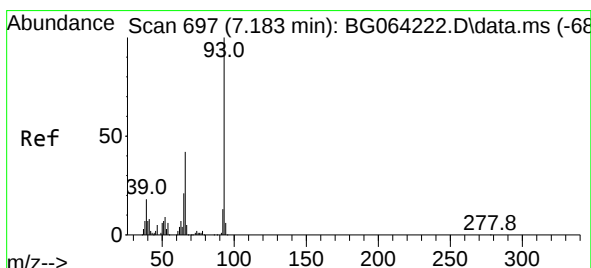
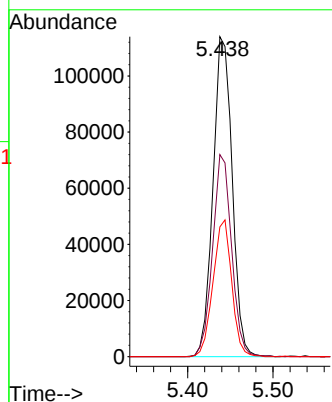
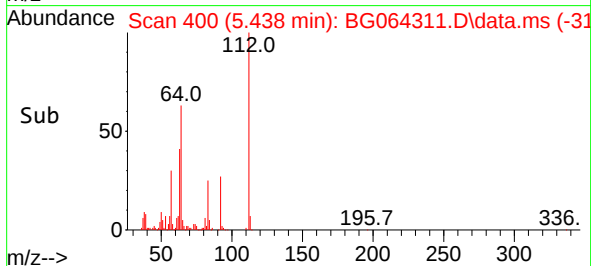
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Tgt Ion:112 Resp: 177792
Ion Ratio Lower Upper
112 100
64 63.1 51.8 77.6
63 40.5 30.6 45.8

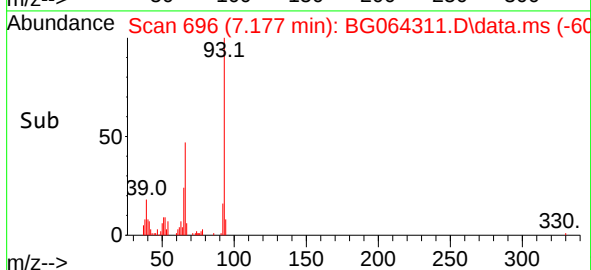
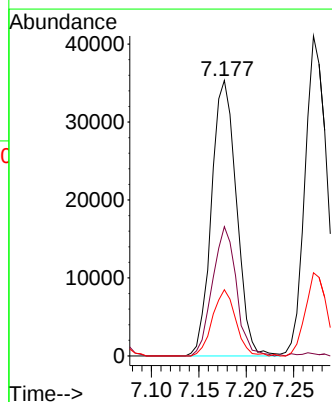
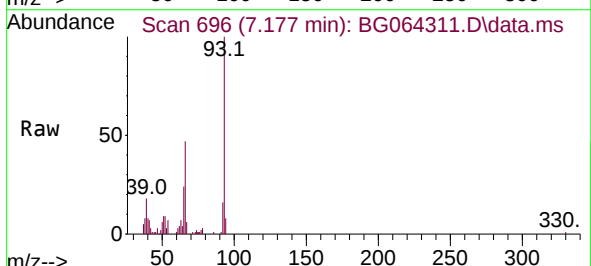
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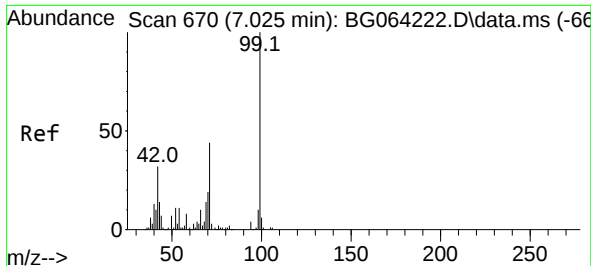
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Supervised By :Jagrut Upadhyay 09/09/2025



#6
Aniline
Concen: 22.287 ng
RT: 7.177 min Scan# 696
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

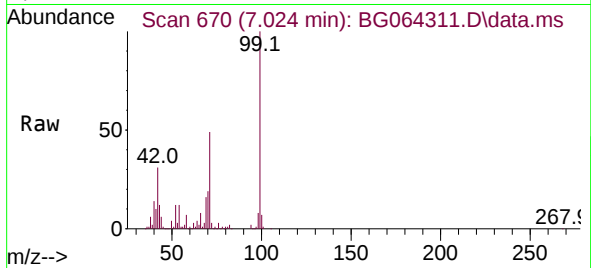
Tgt Ion: 93 Resp: 64707
Ion Ratio Lower Upper
93 100
66 46.9 33.8 50.8
65 24.0 16.9 25.3





#7
Phenol-d6
Concen: 110.077 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

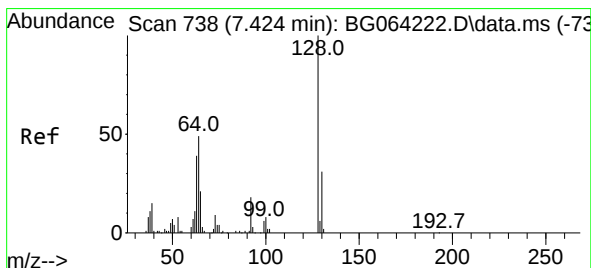
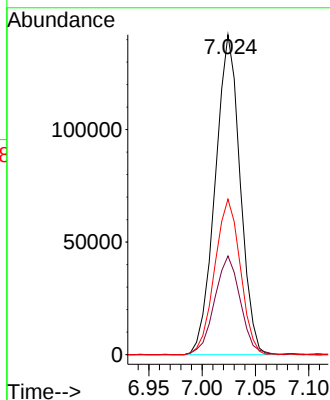
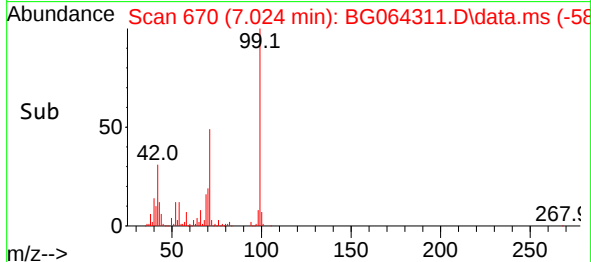
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Tgt Ion: 99 Resp: 231110
Ion Ratio Lower Upper
99 100
42 30.8 25.8 38.8
71 48.6 35.2 52.8

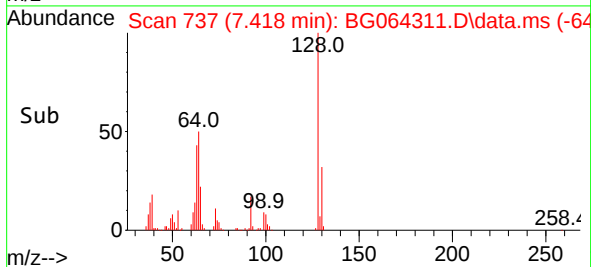
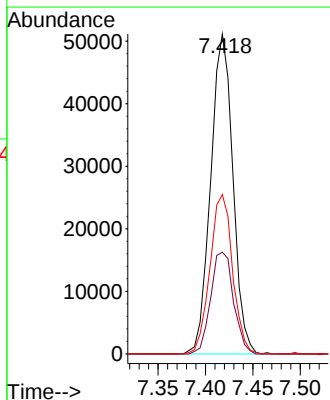
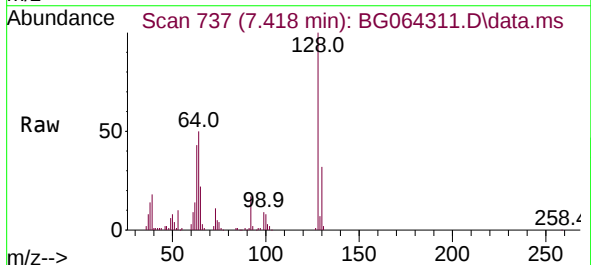
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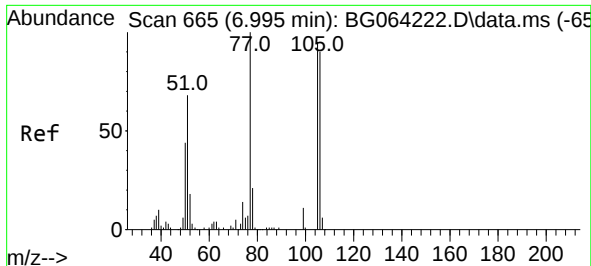
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#8
2-Chlorophenol
Concen: 44.524 ng
RT: 7.418 min Scan# 737
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:128 Resp: 83148
Ion Ratio Lower Upper
128 100
130 31.8 10.9 50.9
64 49.8 28.7 68.7





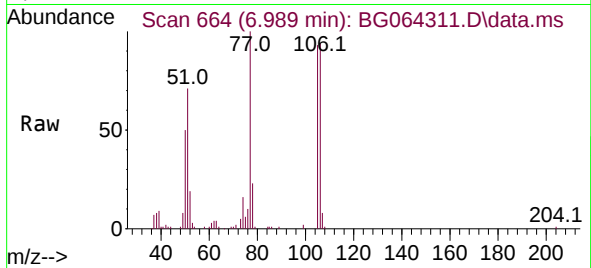
#9
Benzaldehyde
Concen: 31.342 ng
RT: 6.989 min Scan# 664
Delta R.T. -0.006 min
Lab File: BG064311.D
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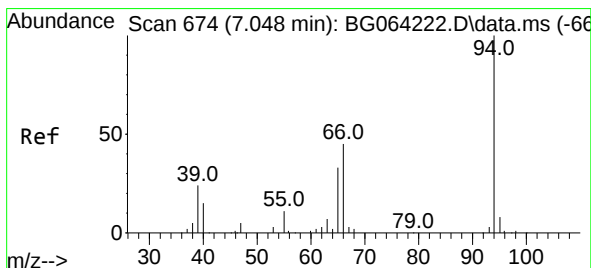
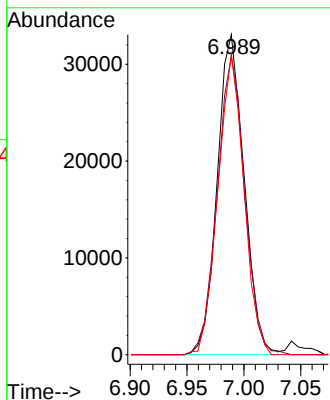
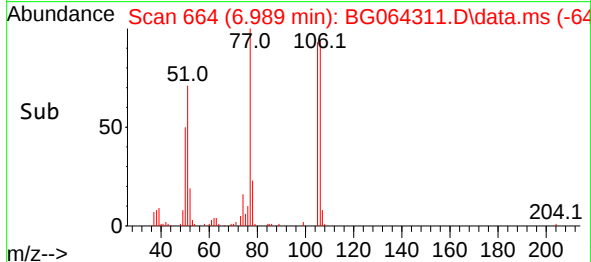


Tgt Ion: 77 Resp: 54154
Ion Ratio Lower Upper
77 100
105 93.2 75.2 115.2
106 93.8 69.6 109.6

Manual Integrations

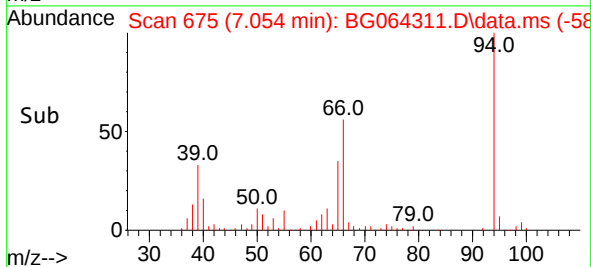
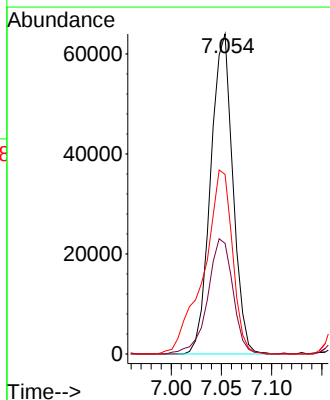
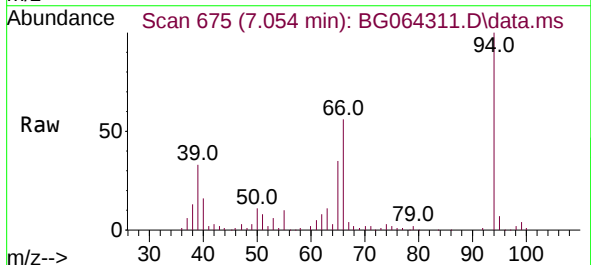
APPROVED

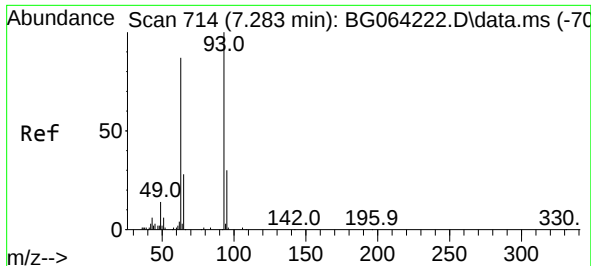
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#10
Phenol
Concen: 42.561 ng
RT: 7.054 min Scan# 675
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

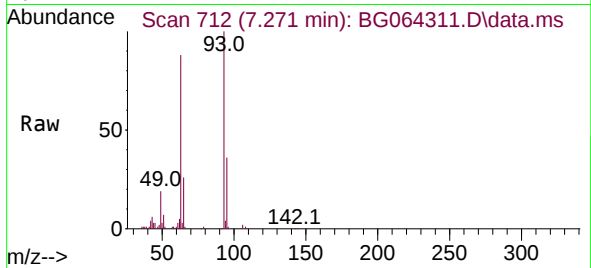
Tgt Ion: 94 Resp: 98518
Ion Ratio Lower Upper
94 100
65 34.5 13.5 53.5
66 56.1 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 37.416 ng
RT: 7.271 min Scan# 714
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

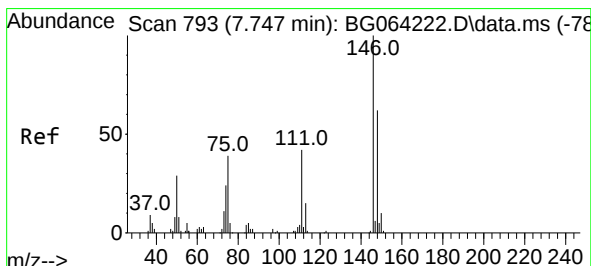
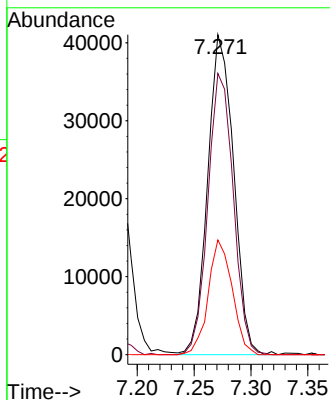
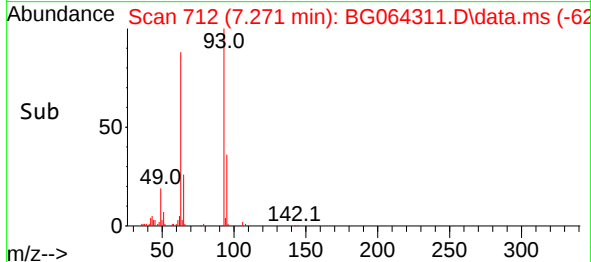
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion: 93 Resp: 65083
Ion Ratio Lower Upper
93 100
63 87.9 66.2 106.2
95 35.8 9.8 49.8

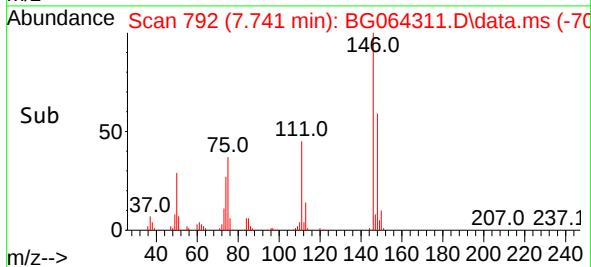
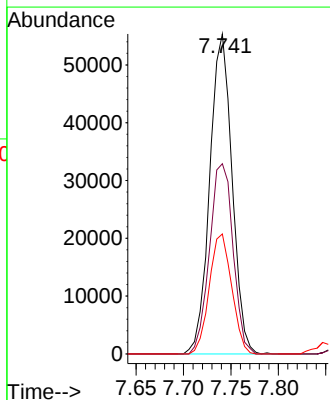
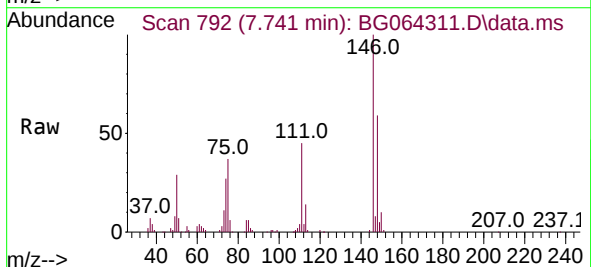
Manual Integrations
APPROVED

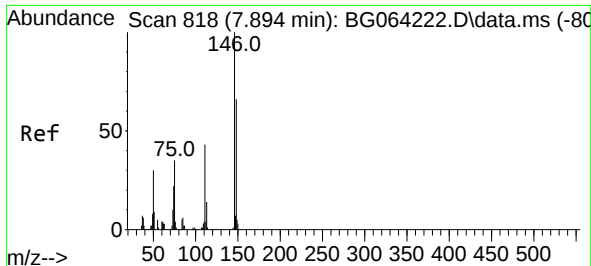
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#12
1,3-Dichlorobenzene
Concen: 45.556 ng
RT: 7.741 min Scan# 792
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

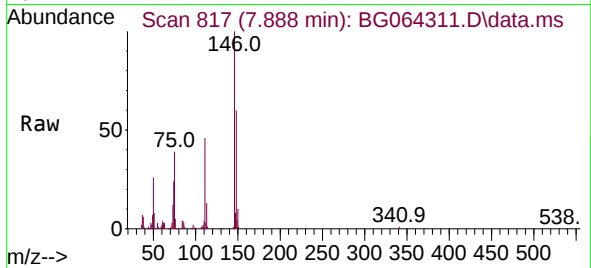
Tgt Ion:146 Resp: 90507
Ion Ratio Lower Upper
146 100
148 59.4 49.6 74.4
75 37.5 31.0 46.6





#13
1,4-Dichlorobenzene
Concen: 46.141 ng
RT: 7.888 min Scan# 818
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

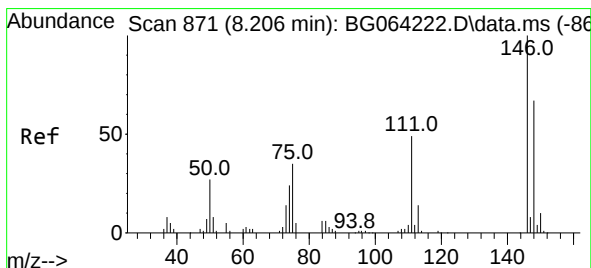
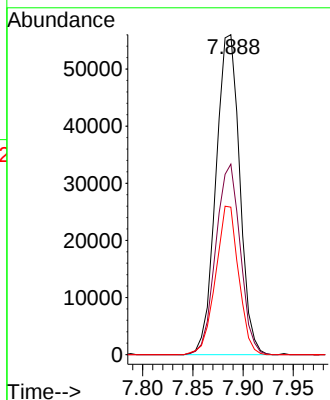
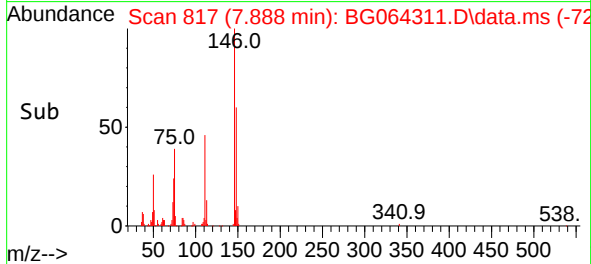
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:146 Resp: 92516
Ion Ratio Lower Upper
146 100
148 59.5 52.8 79.2
111 46.1 34.1 51.1

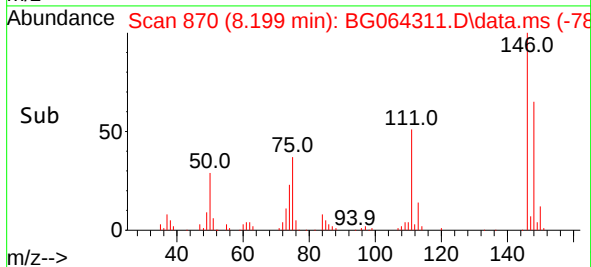
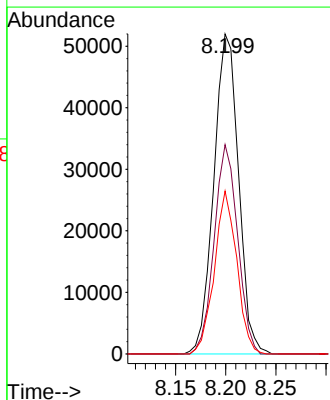
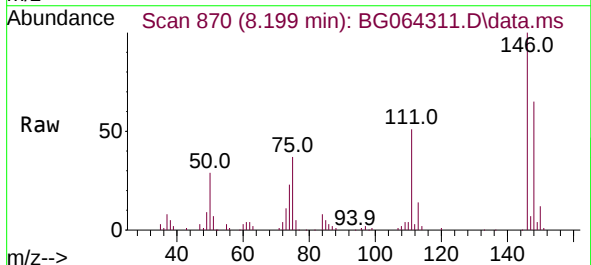
Manual Integrations
APPROVED

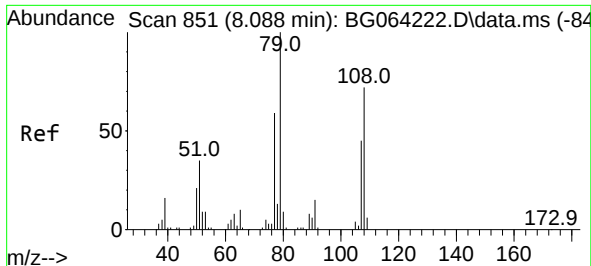
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#14
1,2-Dichlorobenzene
Concen: 46.057 ng
RT: 8.199 min Scan# 870
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:146 Resp: 89126
Ion Ratio Lower Upper
146 100
148 65.4 53.4 80.0
111 50.9 39.1 58.7





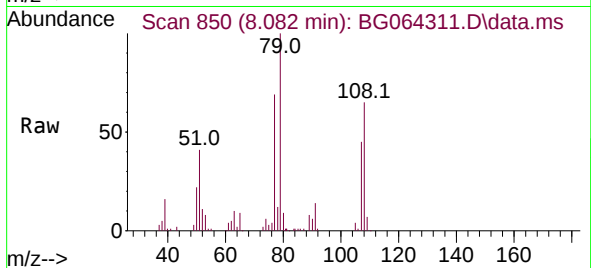
#15
Benzyl Alcohol
Concen: 42.556 ng
RT: 8.082 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

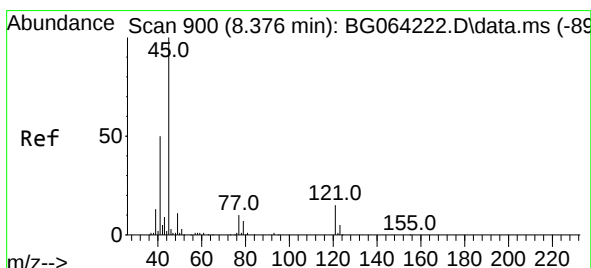
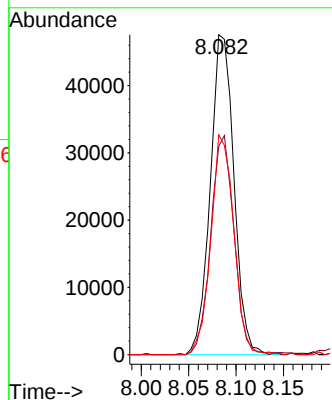
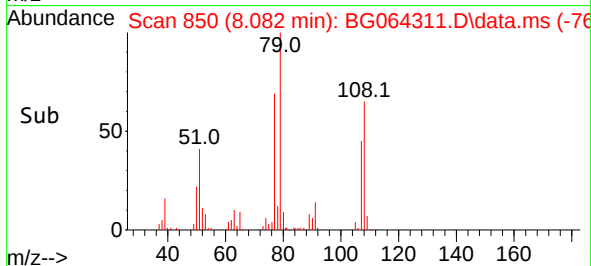


Tgt Ion: 79 Resp: 82453
Ion Ratio Lower Upper
79 100
108 65.1 57.4 86.0
77 68.7 47.2 70.8

Manual Integrations

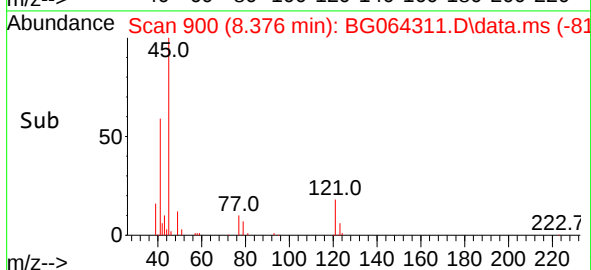
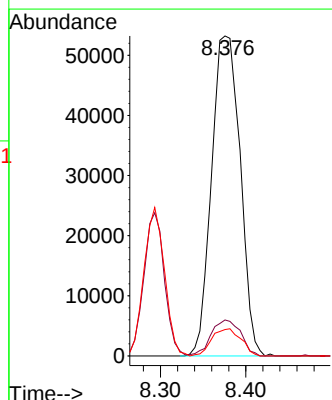
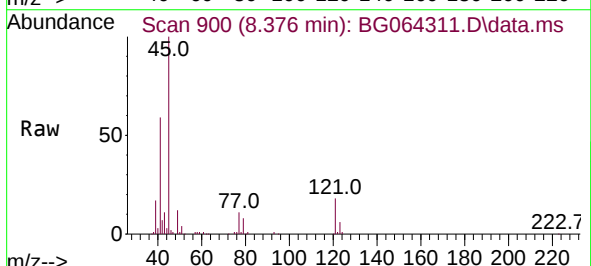
APPROVED

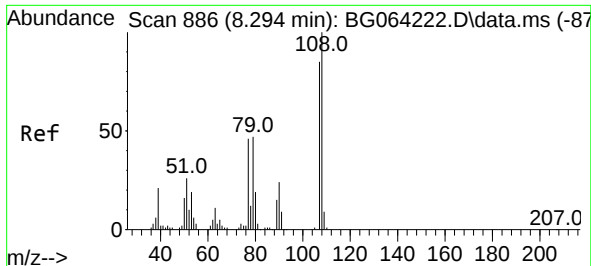
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.219 ng
RT: 8.376 min Scan# 900
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion: 45 Resp: 123981
Ion Ratio Lower Upper
45 100
77 11.2 0.0 30.0
79 8.2 0.0 27.9





#17
2-Methylphenol
Concen: 40.661 ng
RT: 8.293 min Scan# 886
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

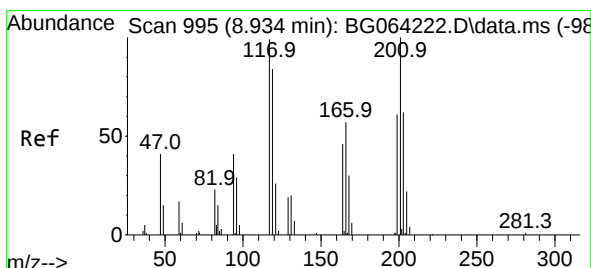
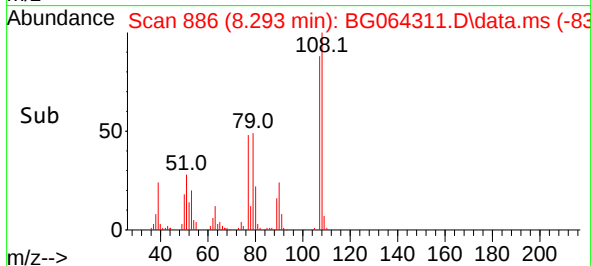
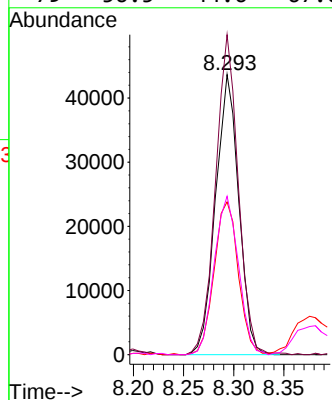
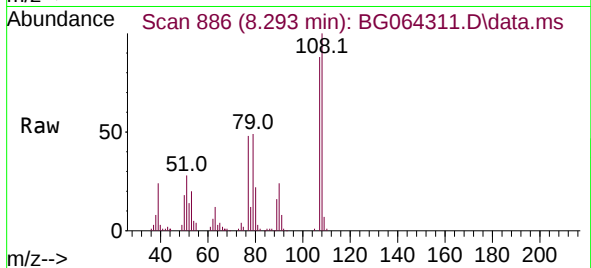
SOIL-PILE-1MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.3	94.6	141.8
77	54.5	43.7	65.5
79	56.5	44.6	67.0

Manual Integrations

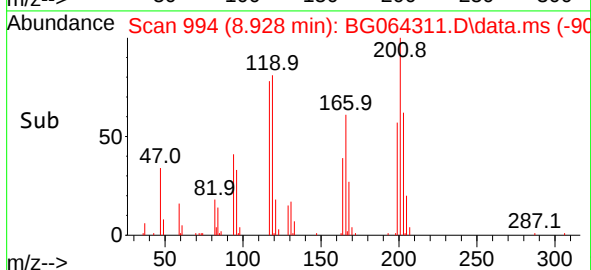
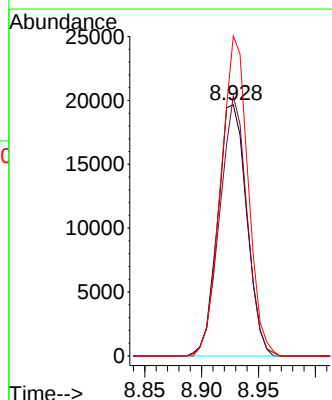
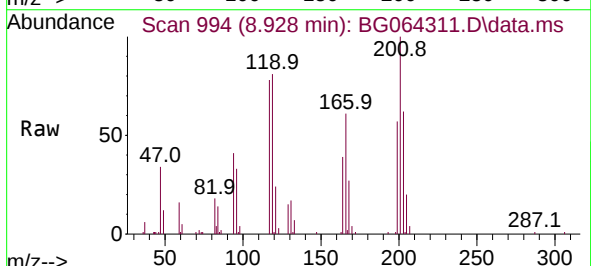
APPROVED

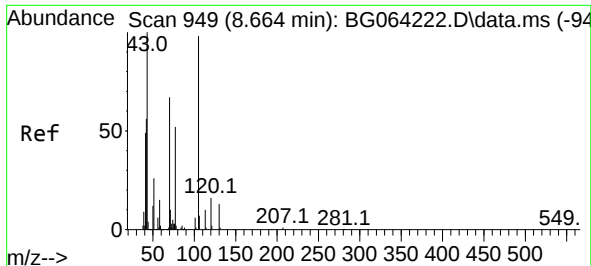
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#18
Hexachloroethane
Concen: 44.444 ng
RT: 8.928 min Scan# 994
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

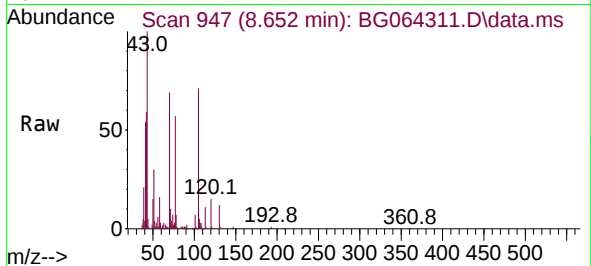
Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.4	67.9	101.9#
201	127.4	80.5	120.7#





#19
n-Nitroso-di-n-propylamine
Concen: 37.760 ng
RT: 8.652 min Scan# 94
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

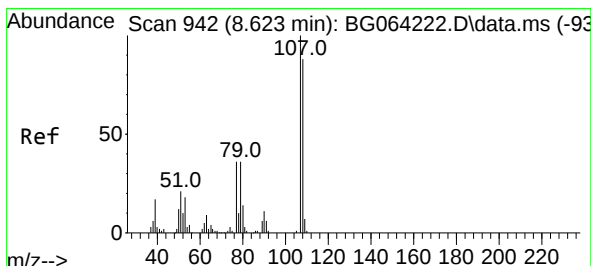
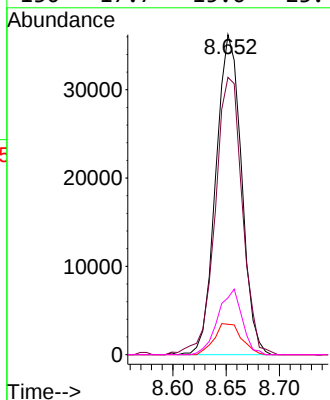
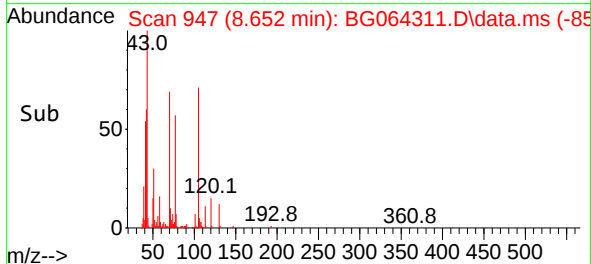
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion: 70 Resp: 60674
Ion Ratio Lower Upper
70 100
42 86.6 67.9 101.9
101 9.5 7.3 10.9
130 17.7 15.6 23.4

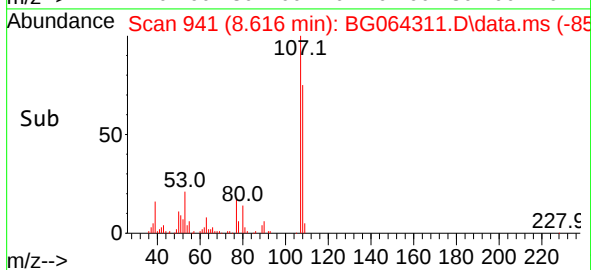
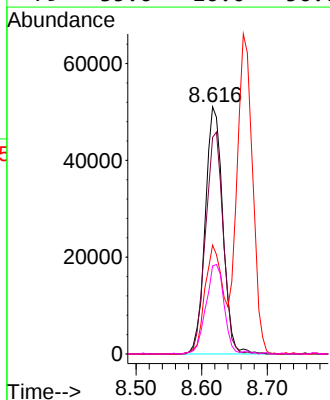
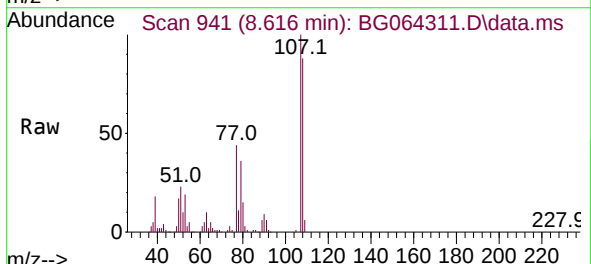
Manual Integrations
APPROVED

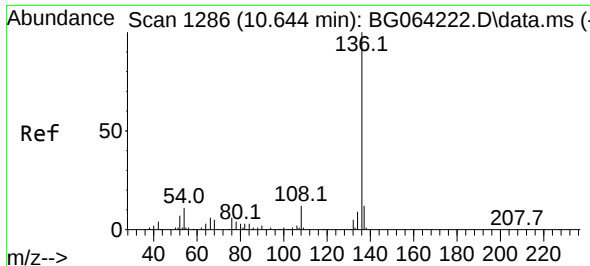
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#20
3+4-Methylphenols
Concen: 39.508 ng
RT: 8.616 min Scan# 941
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:107 Resp: 94706
Ion Ratio Lower Upper
107 100
108 87.6 68.1 108.1
77 44.0 15.9 55.9
79 35.6 16.0 56.0





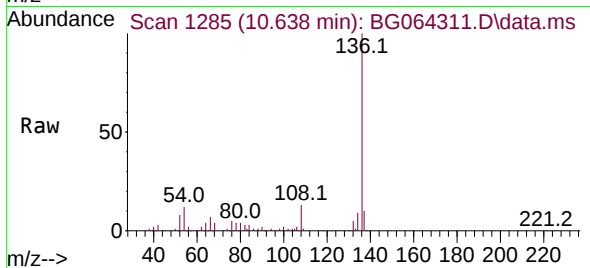
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 118432
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

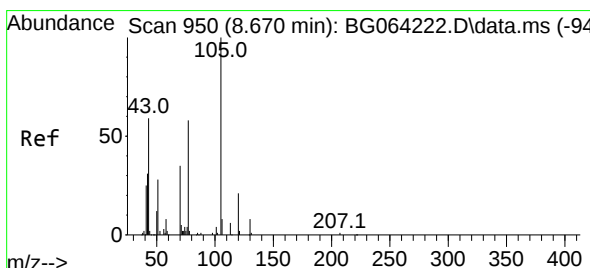
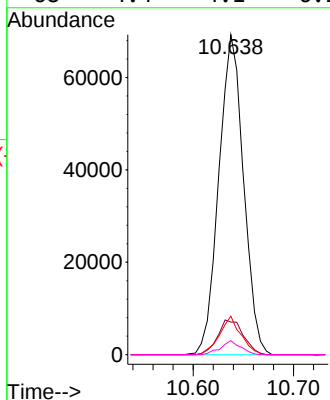
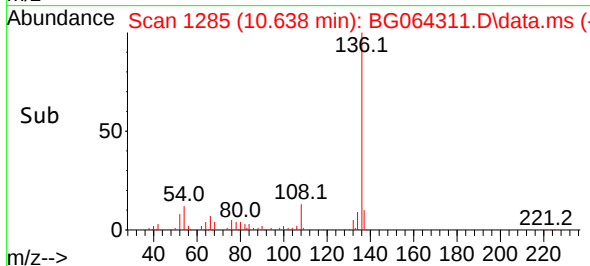


Tgt Ion:136 Resp: 118432
Ion Ratio Lower Upper
136 100
137 10.2 9.6 14.4
54 12.0 8.8 13.2
68 4.4 4.1 6.1

Manual Integrations

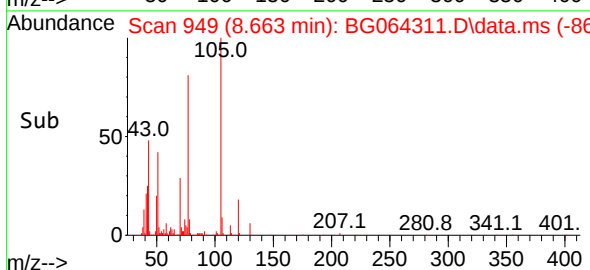
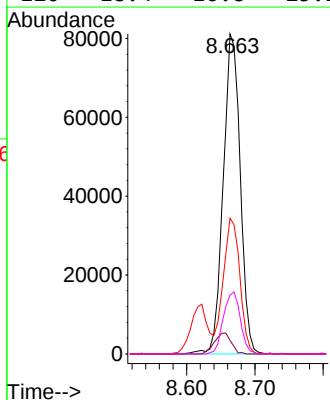
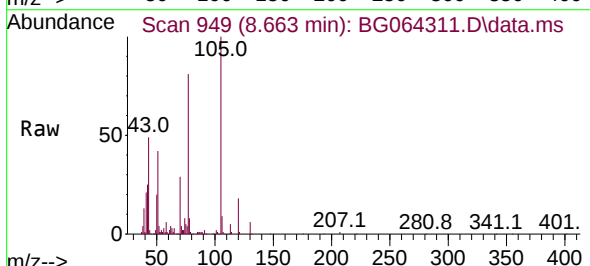
APPROVED

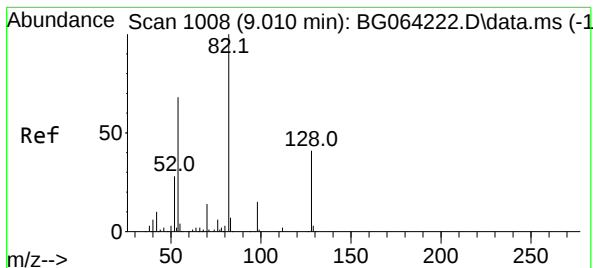
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#22
Acetophenone
Concen: 46.621 ng
RT: 8.663 min Scan# 949
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:105 Resp: 139687
Ion Ratio Lower Upper
105 100
71 4.2 4.3 6.5#
51 42.4 32.4 48.6
120 18.4 16.8 25.2





#23

Nitrobenzene-d5

Concen: 75.942 ng

RT: 9.004 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BG064311.D

Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

Tgt Ion: 82 Resp: 16126

Ion Ratio Lower Upper

82 100

128 41.6 32.6 48.8

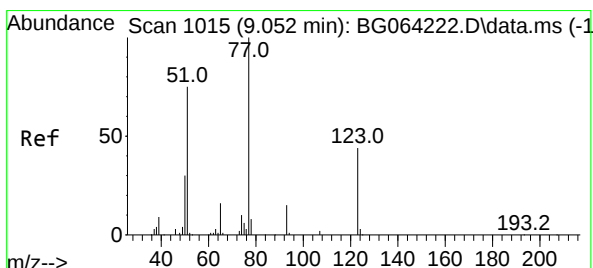
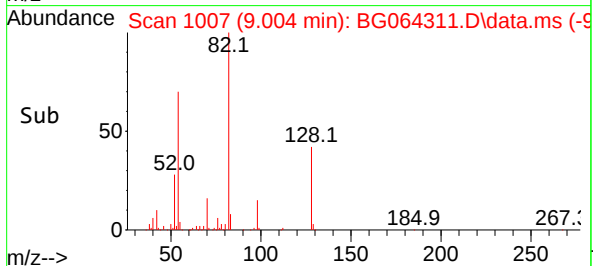
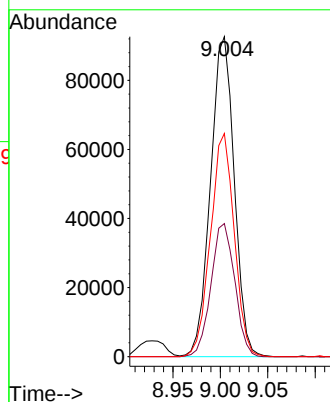
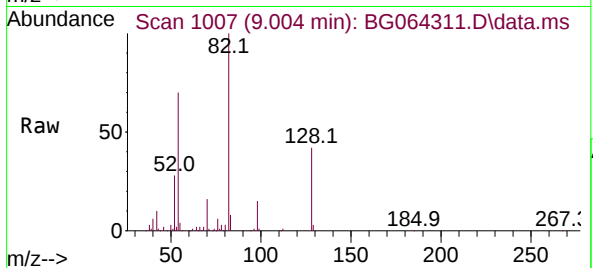
54 69.7 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#24

Nitrobenzene

Concen: 43.644 ng

RT: 9.045 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BG064311.D

Acq: 8 Sep 2025 17:41

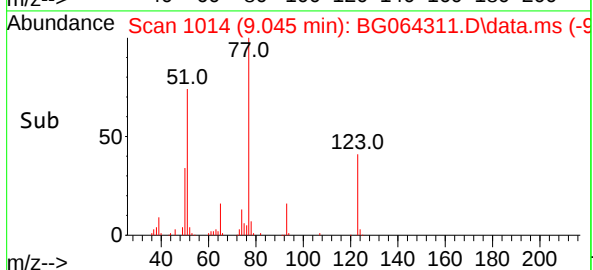
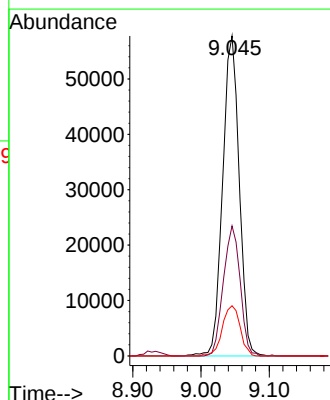
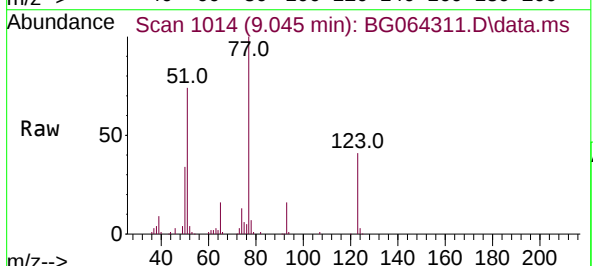
Tgt Ion: 77 Resp: 96833

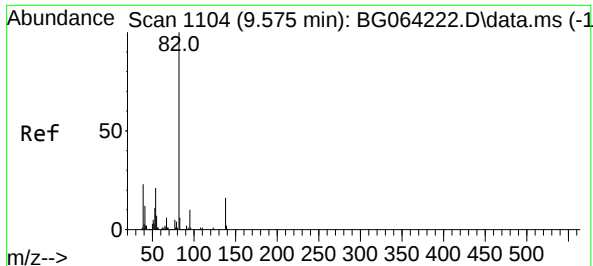
Ion Ratio Lower Upper

77 100

123 40.6 35.2 52.8

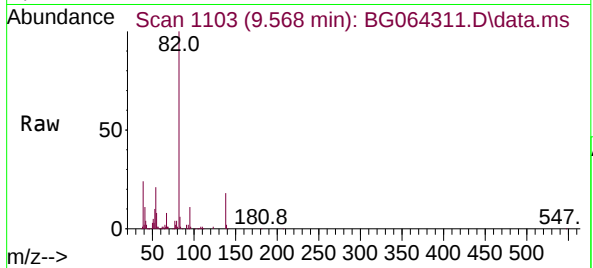
65 15.7 12.6 19.0





#25
Isophorone
Concen: 38.169 ng
RT: 9.568 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

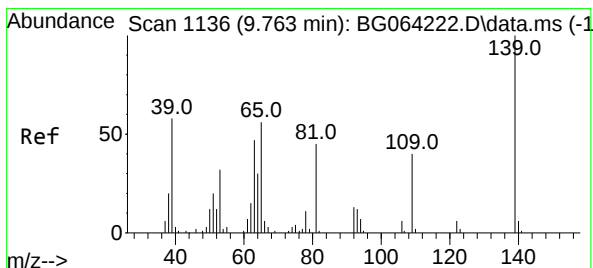
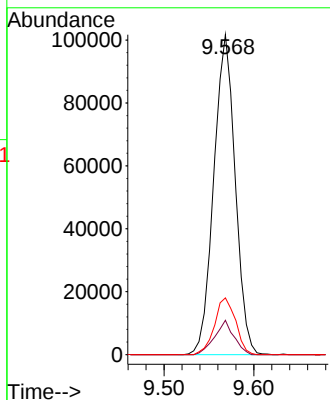
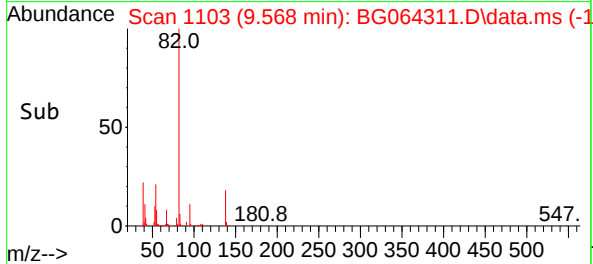
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



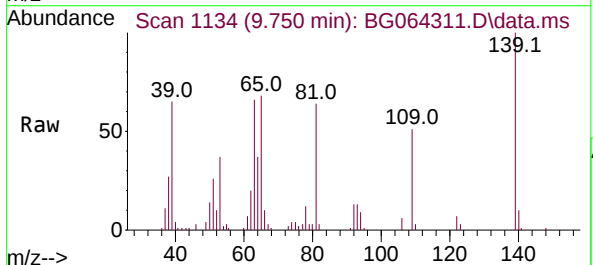
Tgt Ion: 82 Resp: 16845
Ion Ratio Lower Upper
82 100
95 10.7 7.9 11.9
138 17.7 13.0 19.4

Manual Integrations
APPROVED

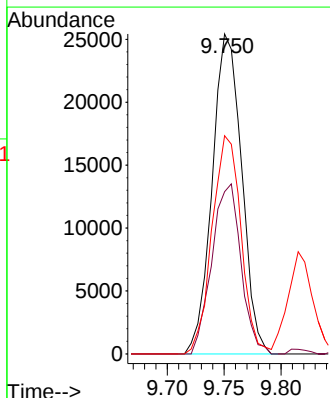
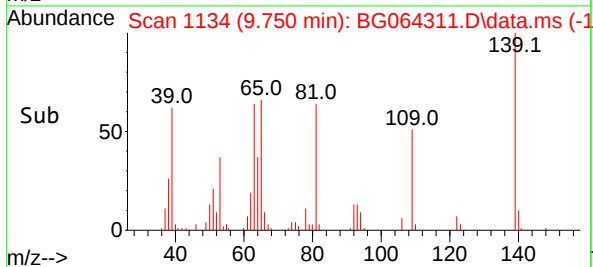
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

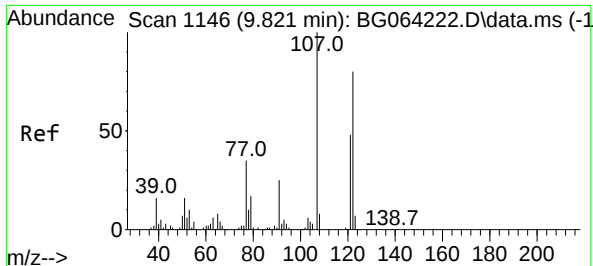


#26
2-Nitrophenol
Concen: 47.738 ng
RT: 9.750 min Scan# 1134
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



Tgt Ion:139 Resp: 45766
Ion Ratio Lower Upper
139 100
109 50.7 32.4 48.6#
65 68.2 44.6 67.0#





#27
2,4-Dimethylphenol
Concen: 48.227 ng
RT: 9.815 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

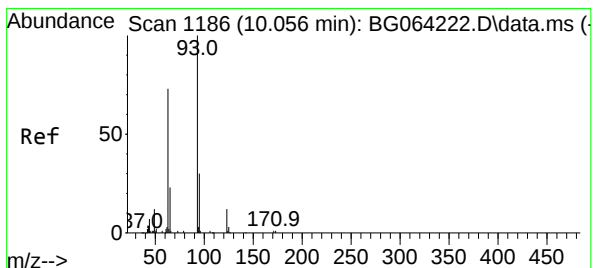
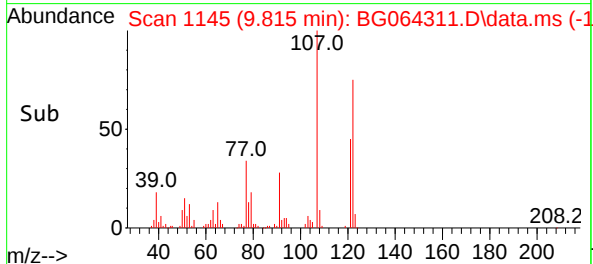
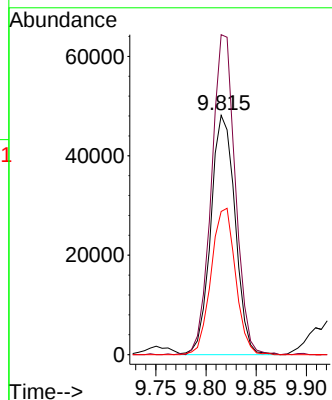
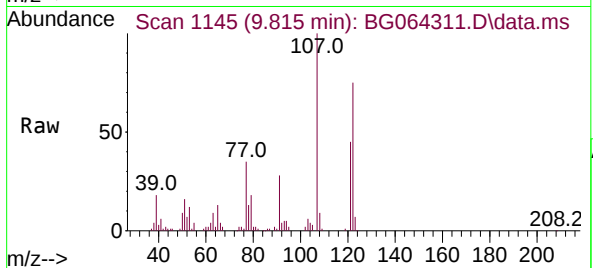
SOIL-PILE-1MSD

Tgt Ion:122 Resp: 81174
Ion Ratio Lower Upper
122 100
107 133.7 99.9 149.9
121 59.8 48.6 72.8

Manual Integrations

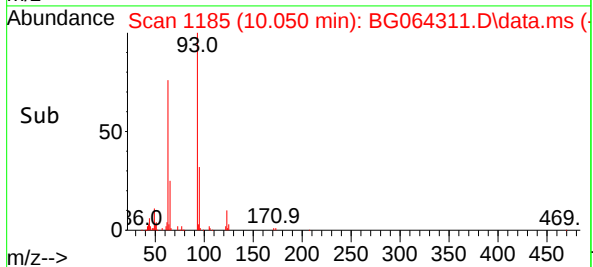
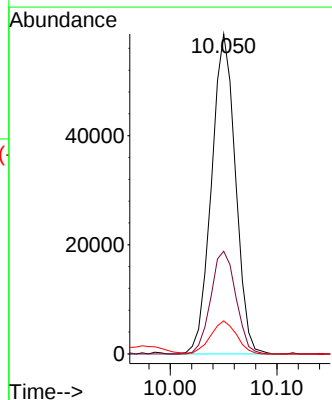
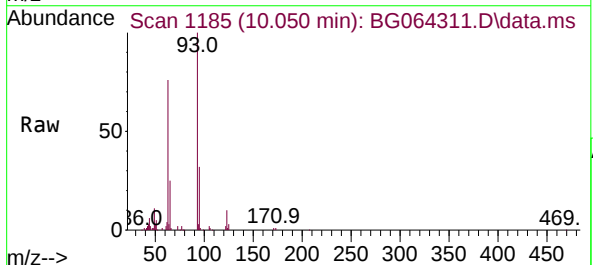
APPROVED

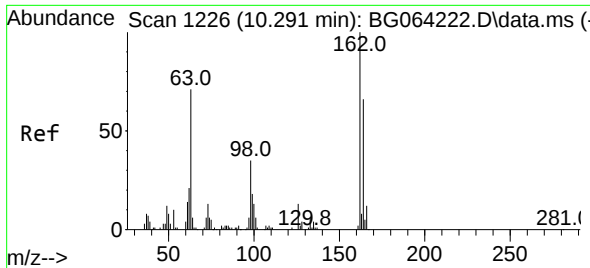
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#28
bis(2-Chloroethoxy)methane
Concen: 38.466 ng
RT: 10.050 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion: 93 Resp: 91541
Ion Ratio Lower Upper
93 100
95 32.1 23.9 35.9
123 10.3 9.6 14.4





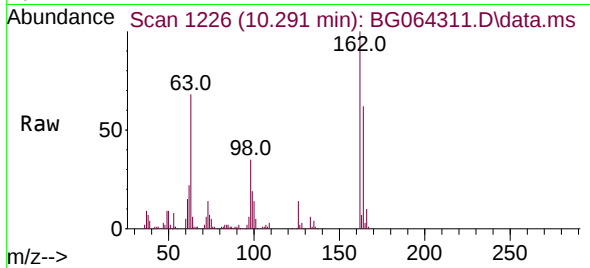
#29
2,4-Dichlorophenol
Concen: 48.108 ng
RT: 10.291 min Scan# 1226
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

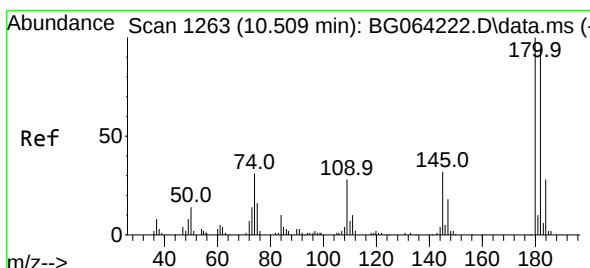
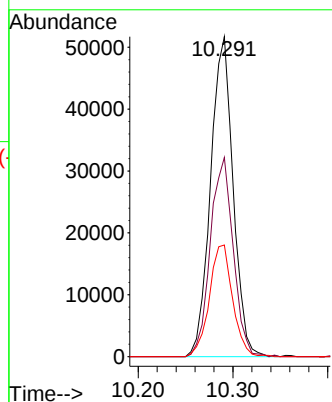
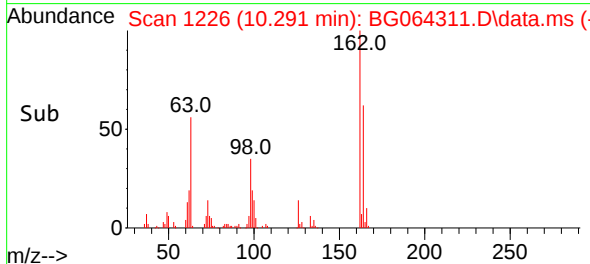


Tgt Ion:162 Resp: 85438
Ion Ratio Lower Upper
162 100
164 62.2 45.8 85.8
98 34.9 15.2 55.2

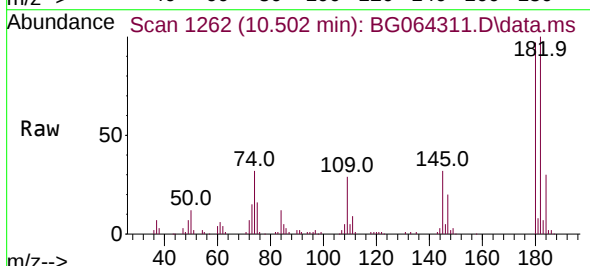
Manual Integrations

APPROVED

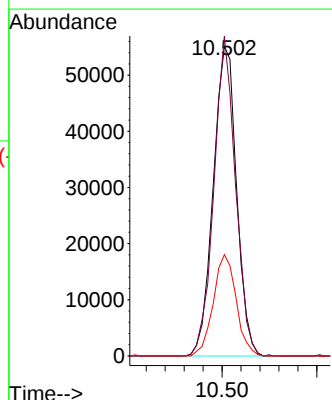
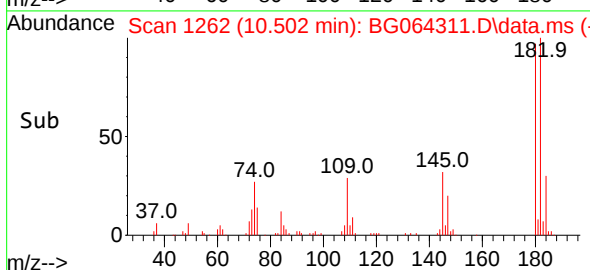
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

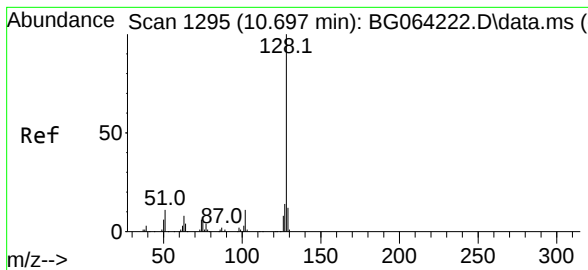


#30
1,2,4-Trichlorobenzene
Concen: 50.271 ng
RT: 10.502 min Scan# 1262
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



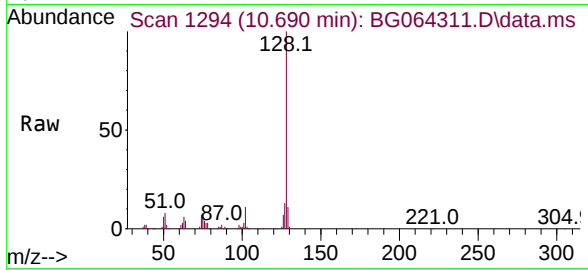
Tgt Ion:180 Resp: 94136
Ion Ratio Lower Upper
180 100
182 103.5 75.0 112.6
145 32.7 25.4 38.0





#31
Naphthalene
Concen: 43.280 ng
RT: 10.690 min Scan# 1174
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

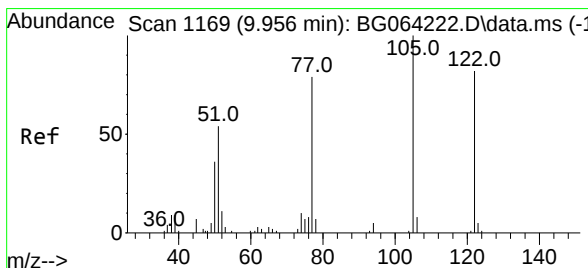
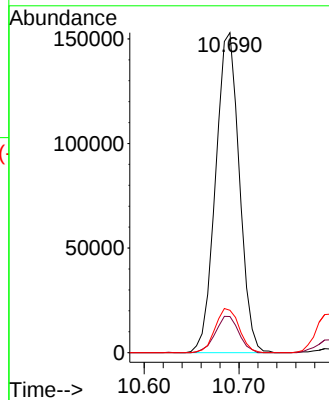
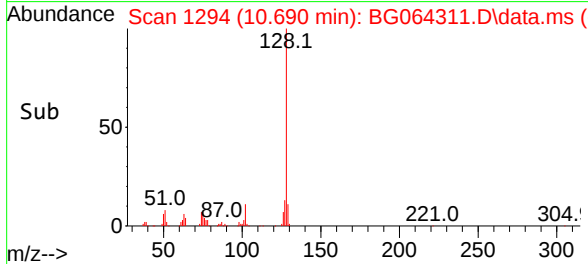
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:128 Resp: 265799
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.3 10.9 16.3

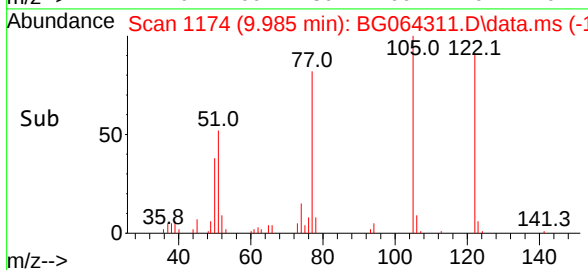
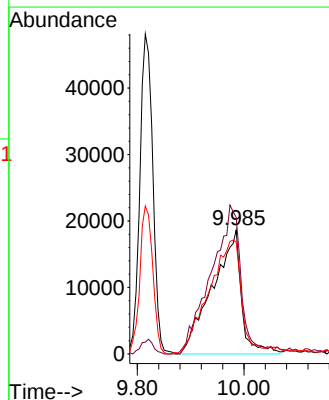
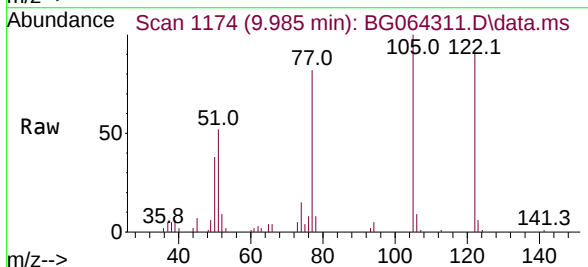
Manual Integrations
APPROVED

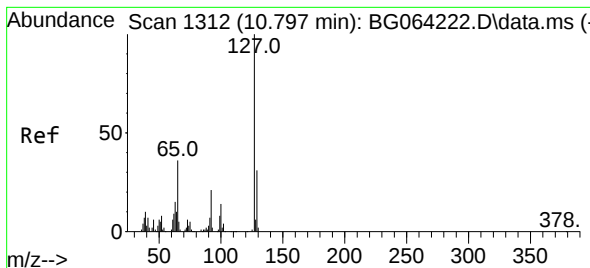
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#32
Benzoic acid
Concen: 52.422 ng
RT: 9.985 min Scan# 1174
Delta R.T. -0.030 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:122 Resp: 70041
Ion Ratio Lower Upper
122 100
105 110.1 98.5 138.5
77 90.2 74.6 114.6





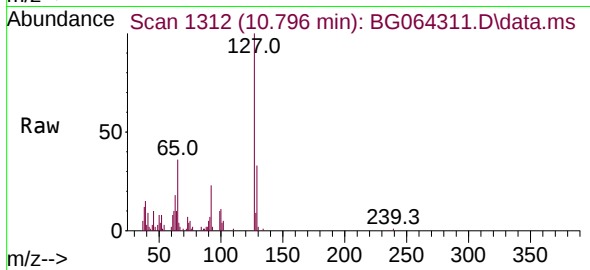
#33
4-Chloroaniline
Concen: 15.774 ng
RT: 10.796 min Scan# 1312
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

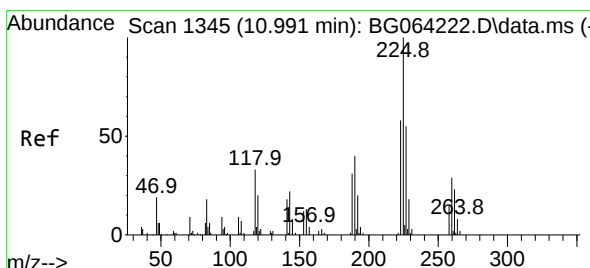
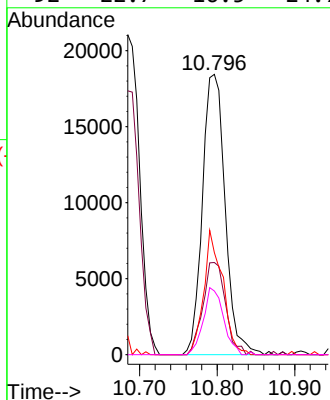
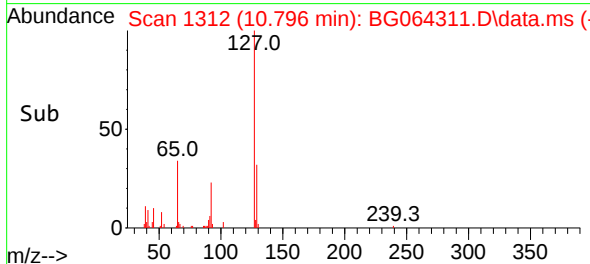


Tgt Ion:127 Resp: 3754
Ion Ratio Lower Upper
127 100
129 32.9 25.0 37.4
65 36.4 28.7 43.1
92 22.7 16.5 24.7

Manual Integrations

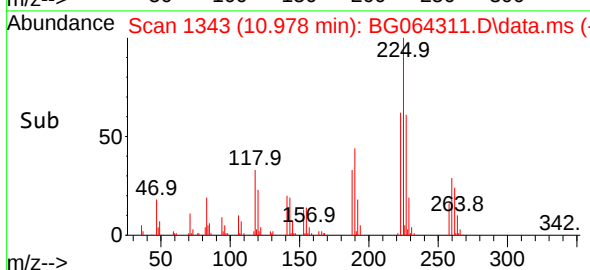
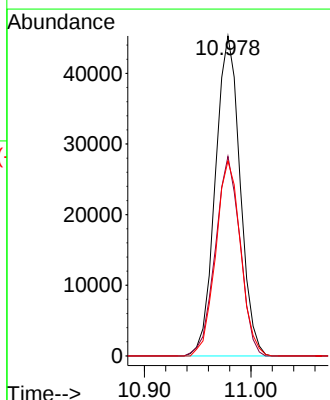
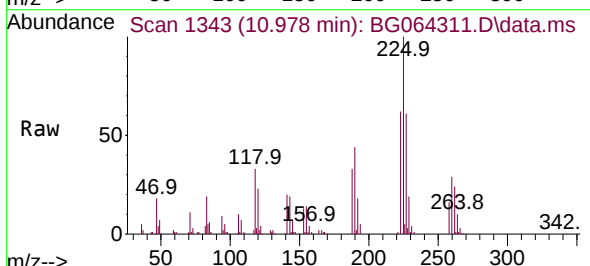
APPROVED

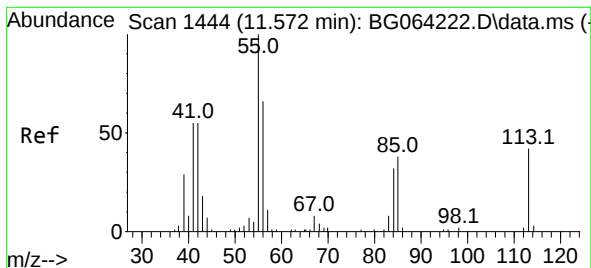
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#34
Hexachlorobutadiene
Concen: 52.864 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:225 Resp: 73173
Ion Ratio Lower Upper
225 100
223 62.3 46.5 69.7
227 60.9 44.1 66.1





#35

Caprolactam

Concen: 39.406 ng m

RT: 11.566 min Scan# 14

Delta R.T. -0.036 min

Lab File: BG064311.D

Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

Tgt Ion:113 Resp: 27098

Ion Ratio Lower Upper

113 100

55 228.8 218.5 258.5

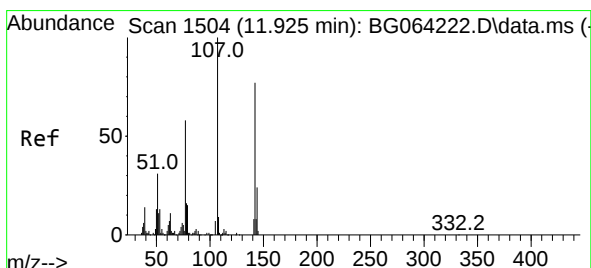
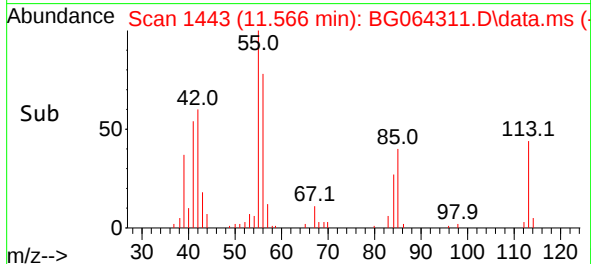
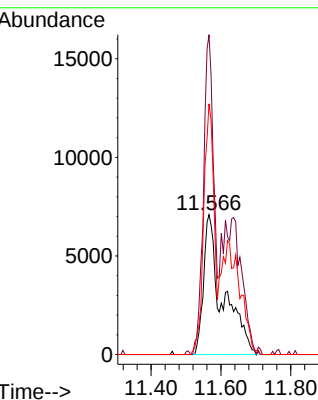
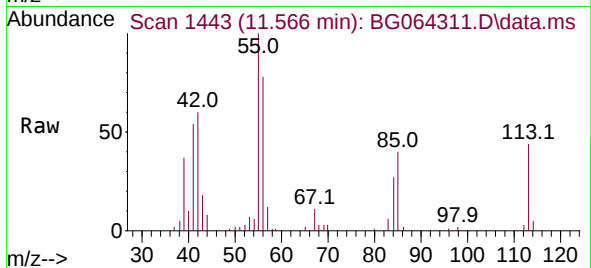
56 179.3 138.5 178.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#36

4-Chloro-3-methylphenol

Concen: 45.549 ng

RT: 11.924 min Scan# 1504

Delta R.T. -0.007 min

Lab File: BG064311.D

Acq: 8 Sep 2025 17:41

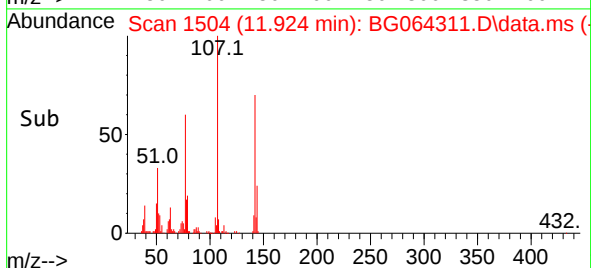
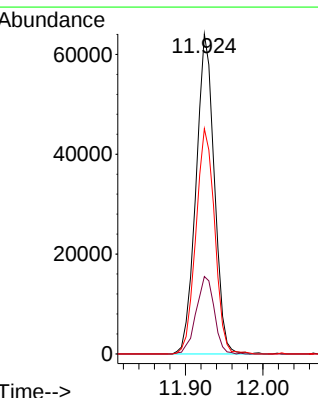
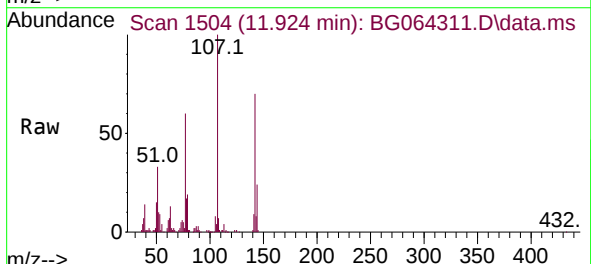
Tgt Ion:107 Resp: 104955

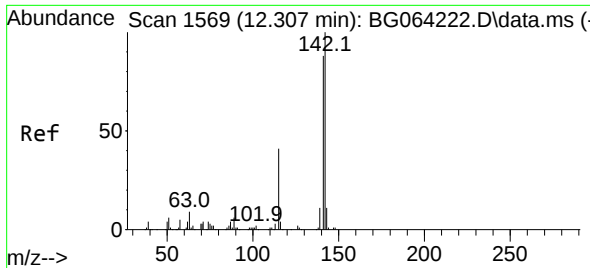
Ion Ratio Lower Upper

107 100

144 24.2 19.5 29.3

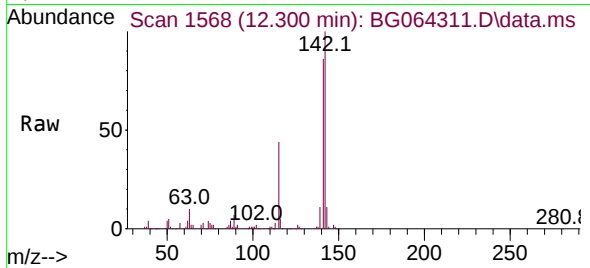
142 70.4 62.0 93.0





#37
2-Methylnaphthalene
Concen: 39.041 ng
RT: 12.300 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

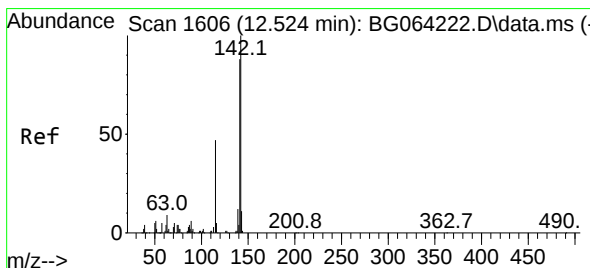
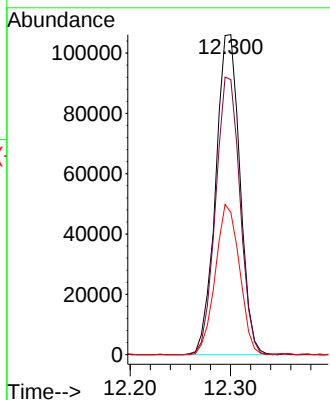
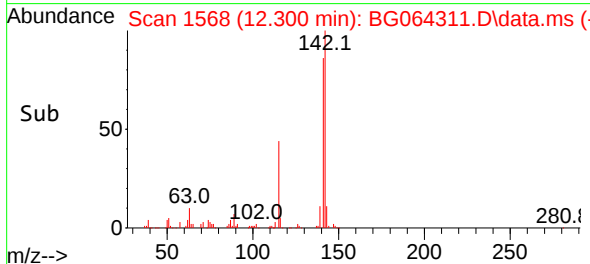
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:142 Resp: 178217
Ion Ratio Lower Upper
142 100
141 85.9 70.1 105.1
115 44.4 33.1 49.7

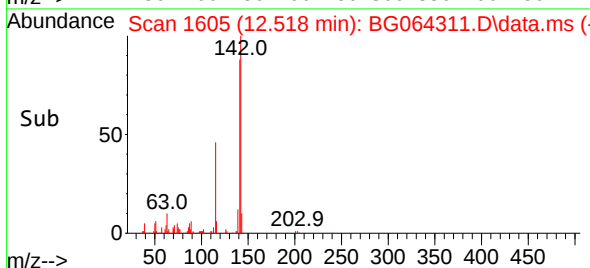
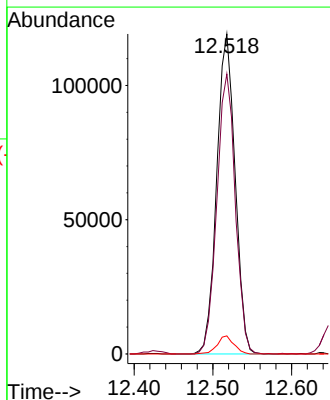
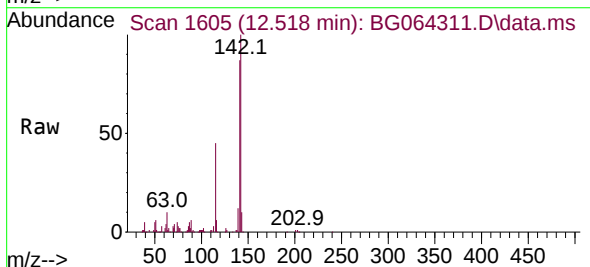
Manual Integrations
APPROVED

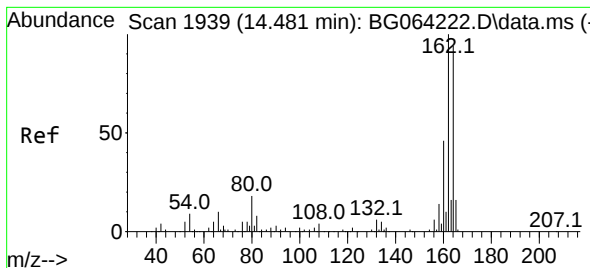
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#38
1-Methylnaphthalene
Concen: 42.689 ng m
RT: 12.518 min Scan# 1605
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:142 Resp: 192479
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
116 5.6 3.7 5.5#





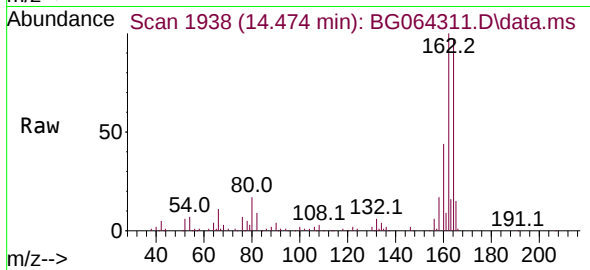
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1938
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

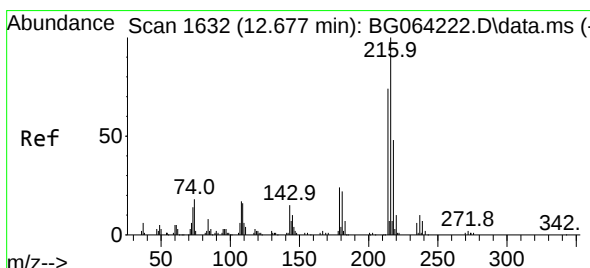
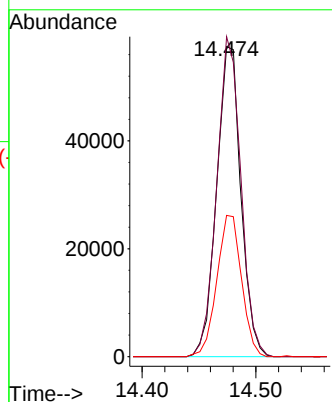
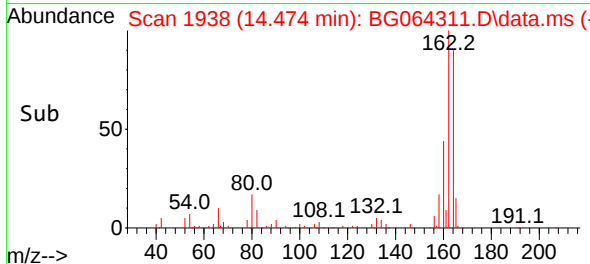


Tgt Ion:164 Resp: 85135
Ion Ratio Lower Upper
164 100
162 103.2 85.4 128.0
160 45.6 39.2 58.8

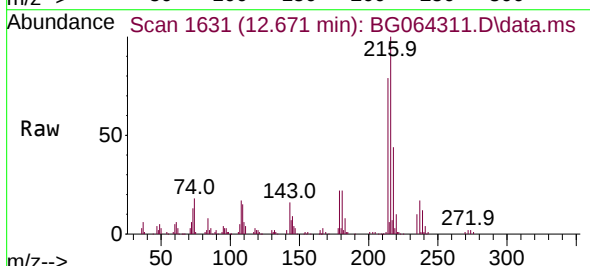
Manual Integrations

APPROVED

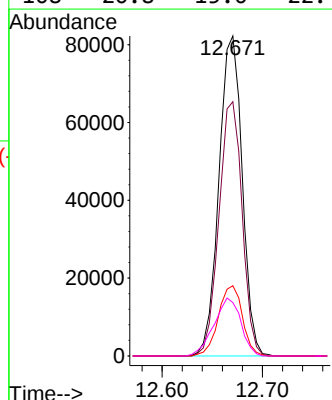
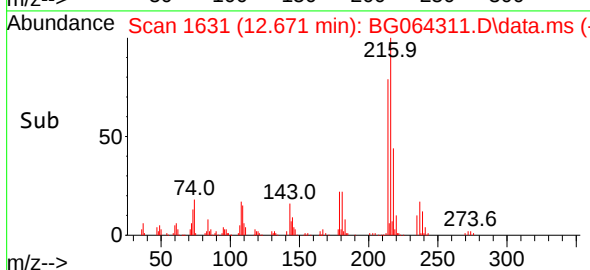
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

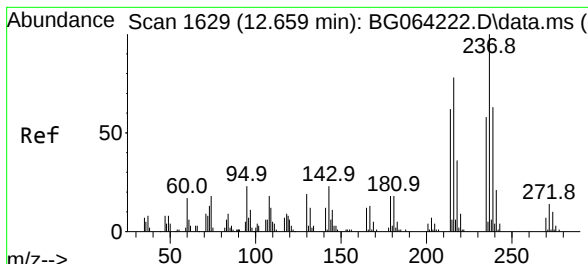


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.995 ng
RT: 12.671 min Scan# 1631
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



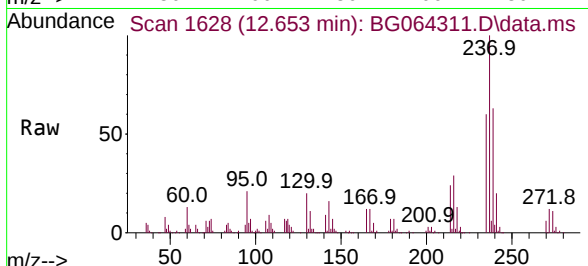
Tgt Ion:216 Resp: 132633
Ion Ratio Lower Upper
216 100
214 79.0 61.9 92.9
179 22.6 17.9 26.9
108 20.8 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 122.254 ng
RT: 12.653 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

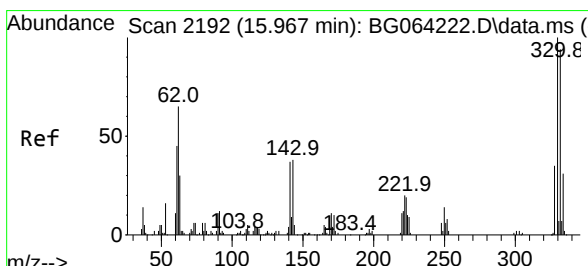
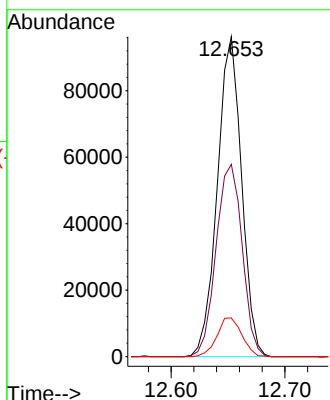
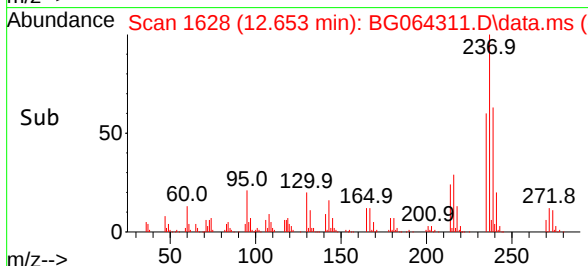
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion: 237 Resp: 142725
Ion Ratio Lower Upper
237 100
235 60.1 37.9 77.9
272 12.1 0.0 33.8

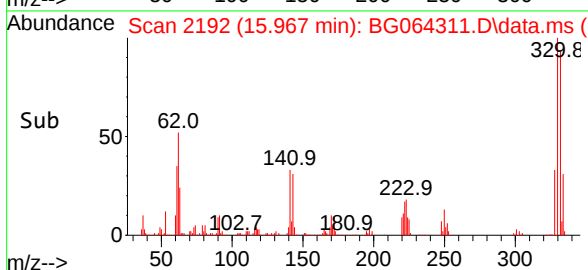
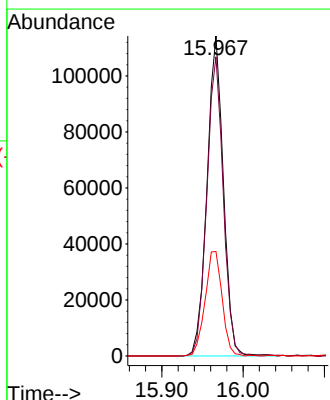
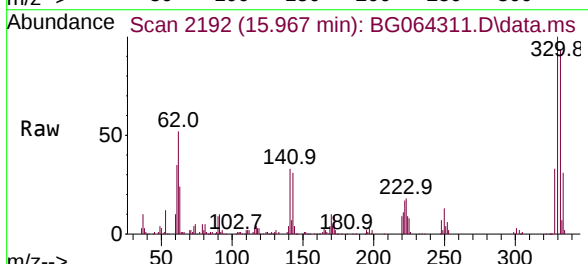
Manual Integrations
APPROVED

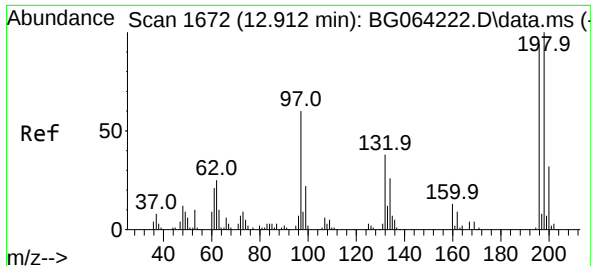
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#42
2,4,6-Tribromophenol
Concen: 142.015 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

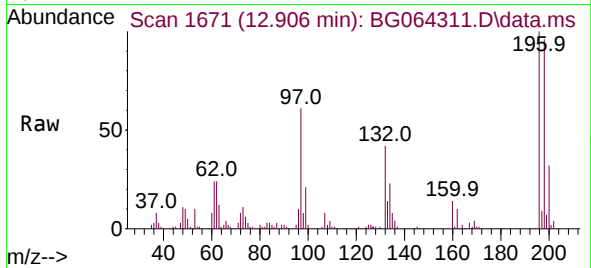
Tgt Ion: 330 Resp: 160143
Ion Ratio Lower Upper
330 100
332 93.5 77.6 116.4
141 34.1 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 49.060 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

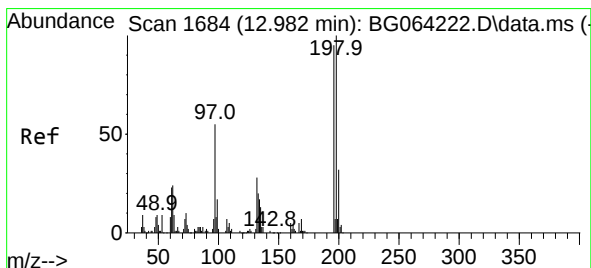
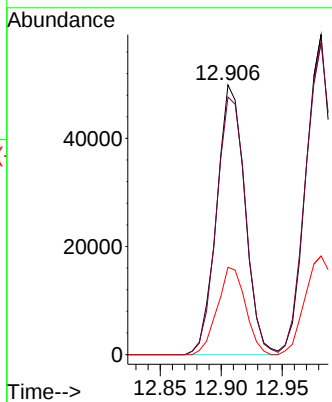
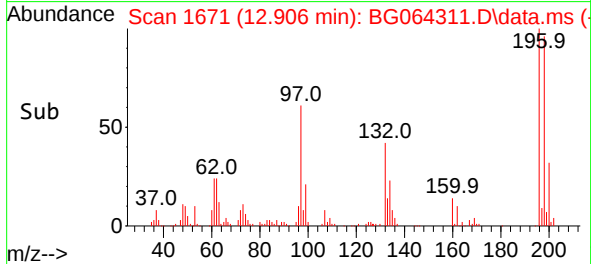
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:196 Resp: 80548
Ion Ratio Lower Upper
196 100
198 95.5 85.4 128.2
200 32.4 27.3 40.9

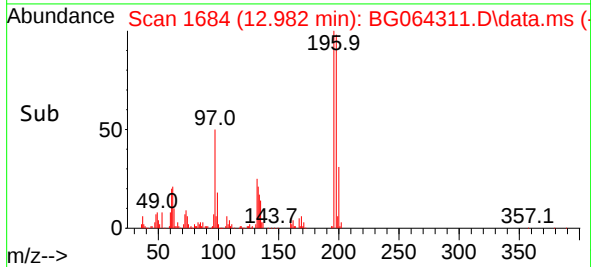
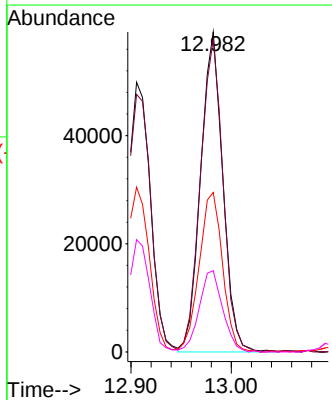
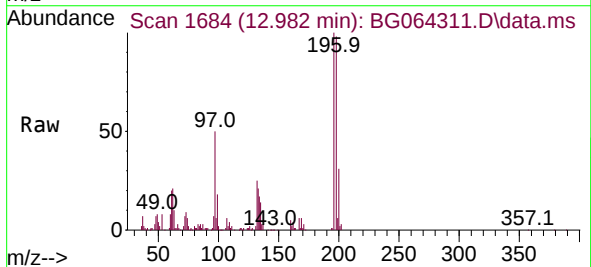
Manual Integrations
APPROVED

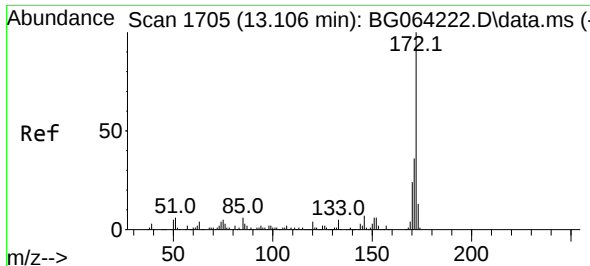
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#44
2,4,5-Trichlorophenol
Concen: 51.065 ng
RT: 12.982 min Scan# 1684
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

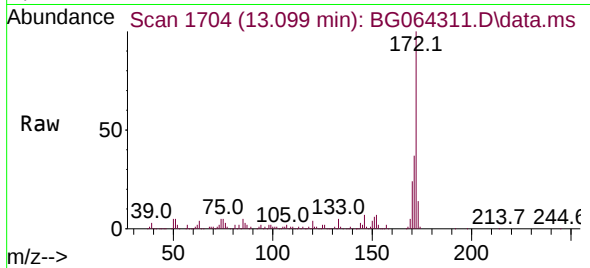
Tgt Ion:196 Resp: 90948
Ion Ratio Lower Upper
196 100
198 97.5 84.5 126.7
97 49.8 46.8 70.2
132 25.4 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 71.025 ng
RT: 13.099 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

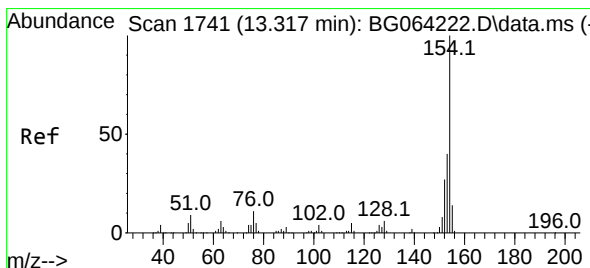
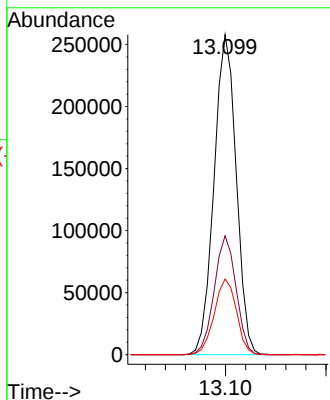
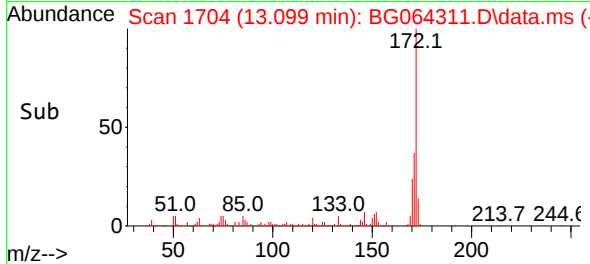
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



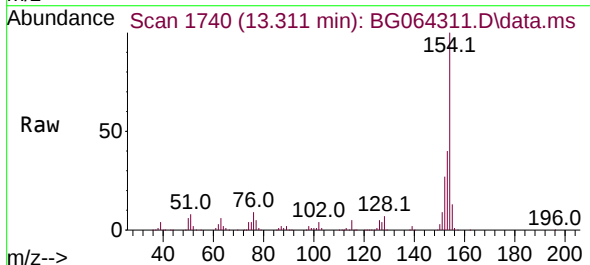
Tgt Ion:172 Resp: 396154
Ion Ratio Lower Upper
172 100
171 37.1 28.7 43.1
170 23.6 19.0 28.6

Manual Integrations
APPROVED

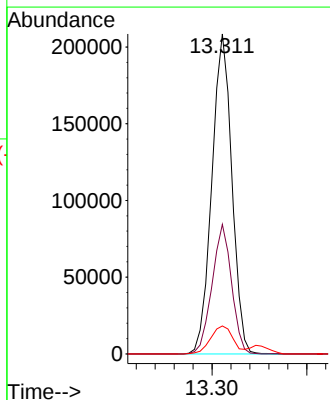
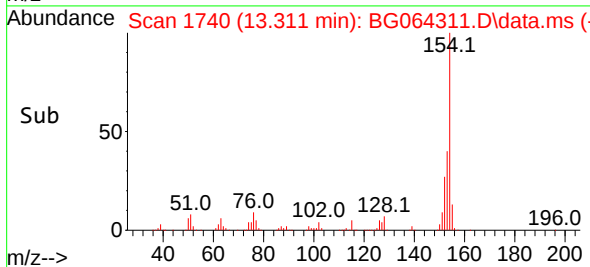
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

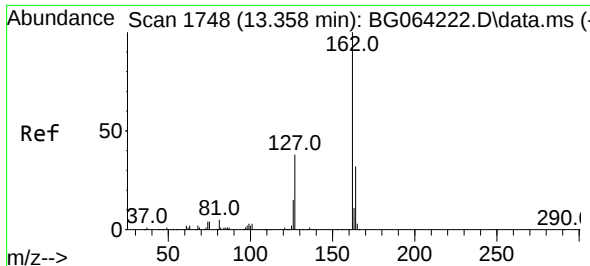


#46
1,1'-Biphenyl
Concen: 49.242 ng
RT: 13.311 min Scan# 1740
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



Tgt Ion:154 Resp: 305338
Ion Ratio Lower Upper
154 100
153 40.5 19.9 59.9
76 8.7 0.0 30.9





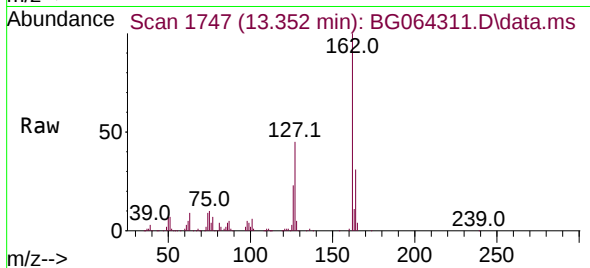
#47
2-Chloronaphthalene
Concen: 44.461 ng
RT: 13.352 min Scan# 1747
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD



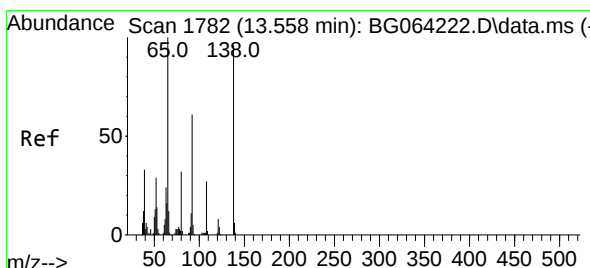
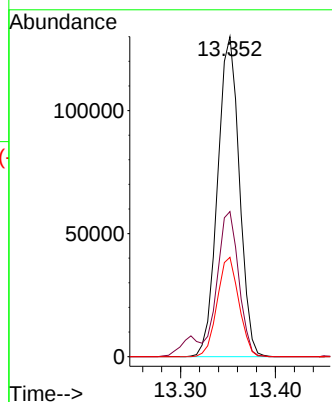
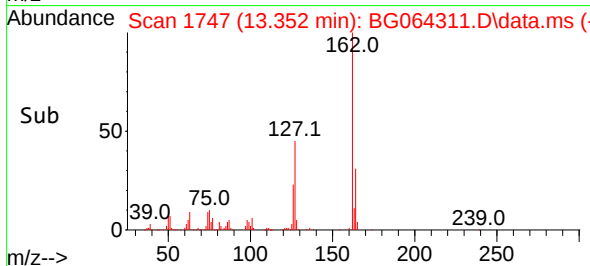
Tgt Ion:162 Resp: 207265
Ion Ratio Lower Upper
162 100
127 45.3 33.9 50.9
164 31.0 25.4 38.2

Manual Integrations

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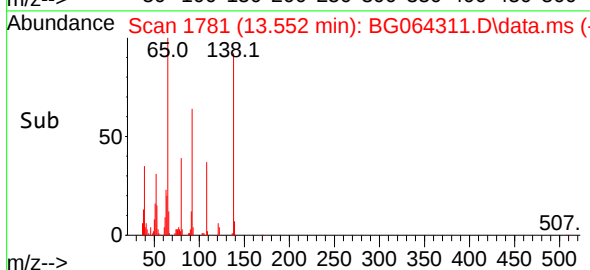
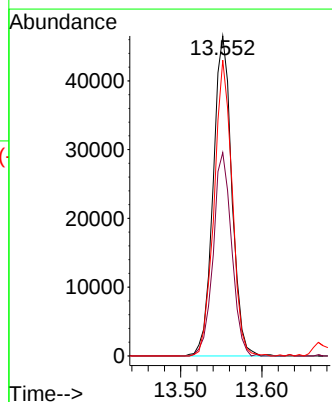
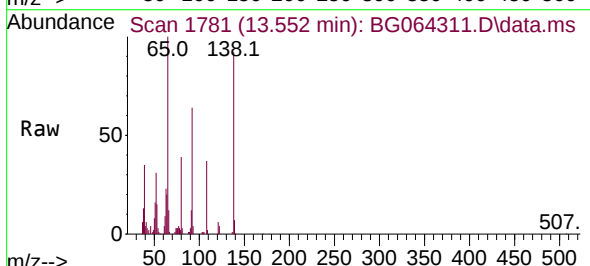
Reviewed By :Rahul Chavli 09/09/2025

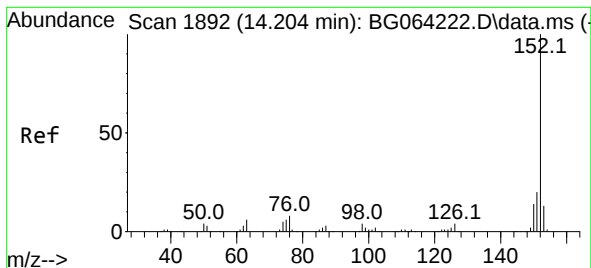
Supervised By :Jagrut Upadhyay 09/09/2025



#48
2-Nitroaniline
Concen: 46.709 ng
RT: 13.552 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion: 65 Resp: 74215
Ion Ratio Lower Upper
65 100
92 63.5 49.2 73.8
138 92.4 76.8 115.2





#49

Acenaphthylene

Concen: 50.838 ng

RT: 14.198 min Scan# 1891

Delta R.T. -0.007 min

Lab File: BG064311.D

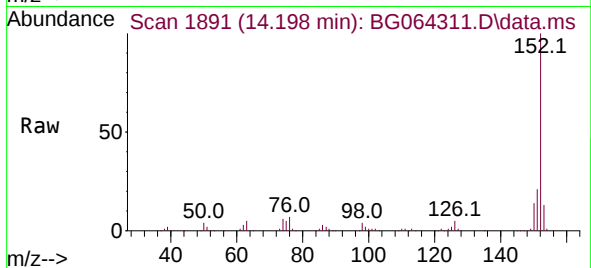
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD



Tgt Ion:152 Resp: 350332

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.2

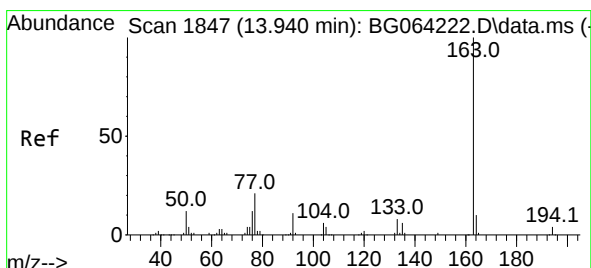
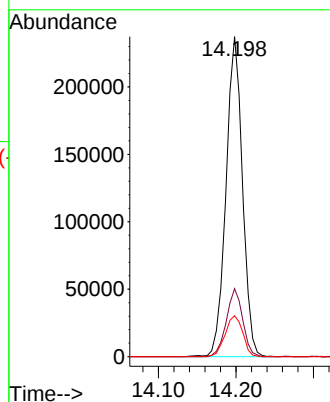
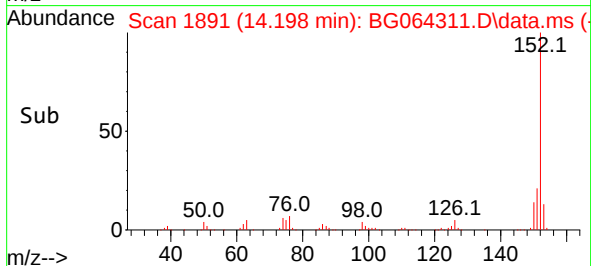
153 12.8 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/09/2025

Supervised By :Jagrut Upadhyay 09/09/2025



#50

Dimethylphthalate

Concen: 41.628 ng

RT: 13.934 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BG064311.D

Acq: 8 Sep 2025 17:41

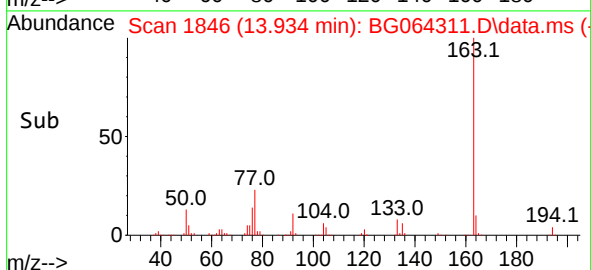
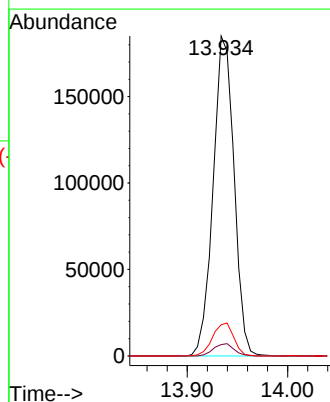
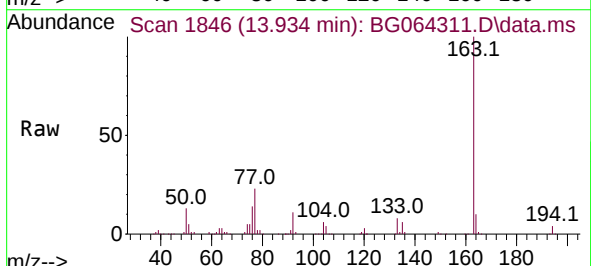
Tgt Ion:163 Resp: 268250

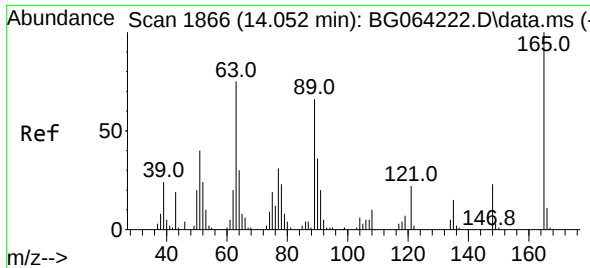
Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

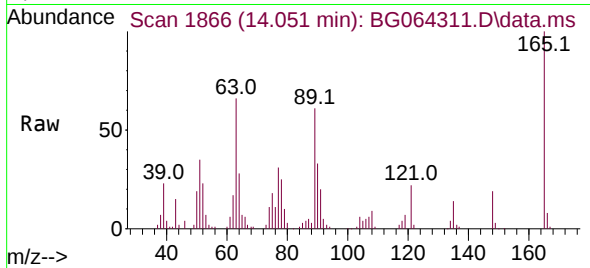
164 9.7 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 50.019 ng
RT: 14.051 min Scan# 1866
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

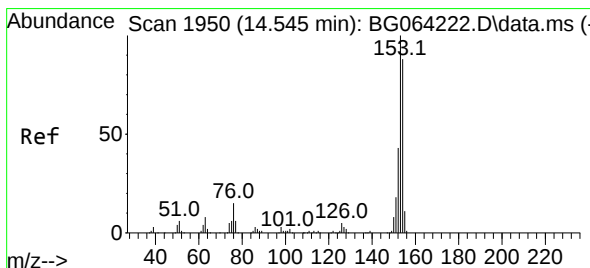
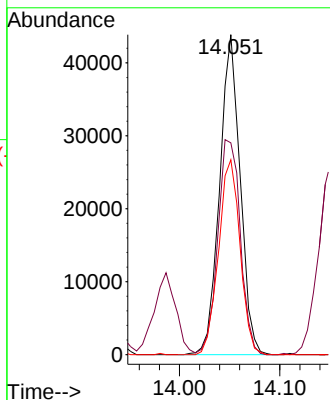
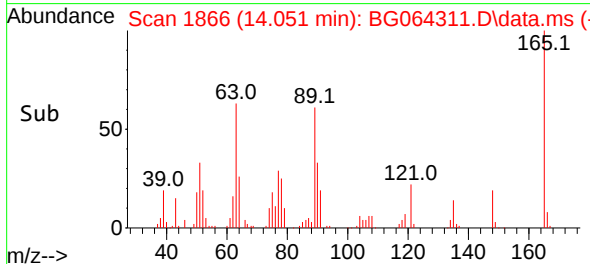
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:165 Resp: 62400
Ion Ratio Lower Upper
165 100
63 66.2 60.3 90.5
89 60.9 52.9 79.3

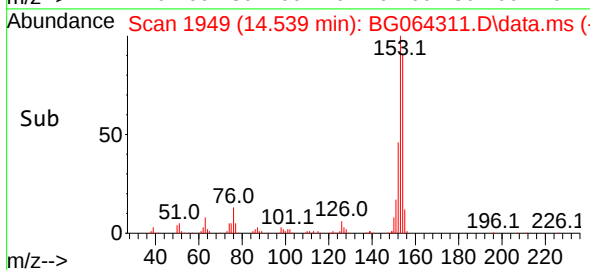
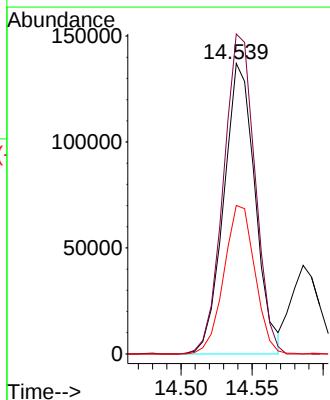
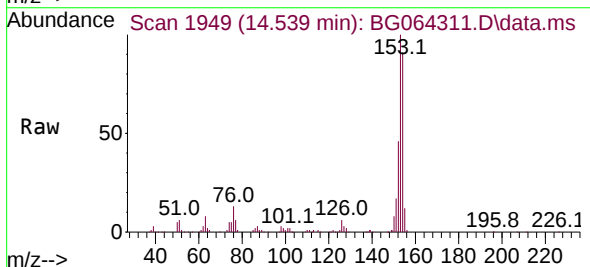
Manual Integrations
APPROVED

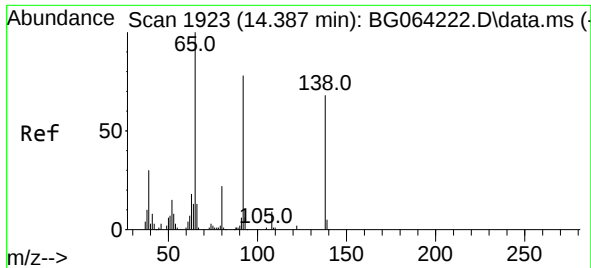
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#52
Acenaphthene
Concen: 43.284 ng
RT: 14.539 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

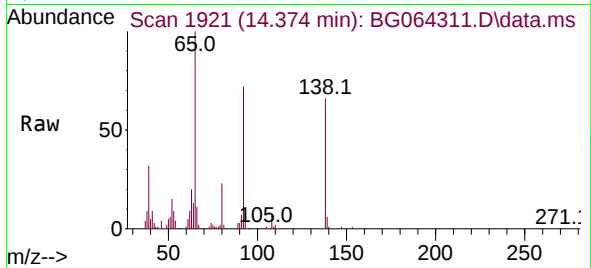
Tgt Ion:154 Resp: 210493
Ion Ratio Lower Upper
154 100
153 110.2 91.1 136.7
152 51.1 39.6 59.4





#53
3-Nitroaniline
Concen: 28.153 ng
RT: 14.374 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

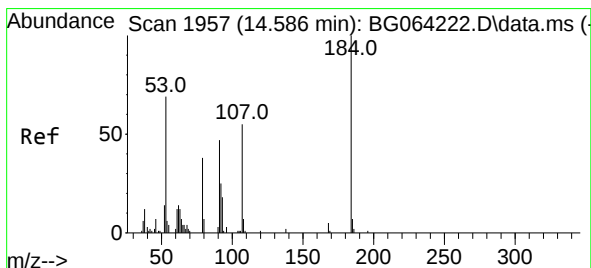
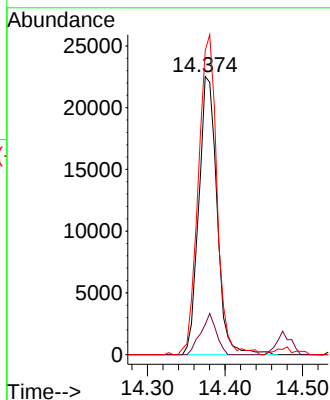
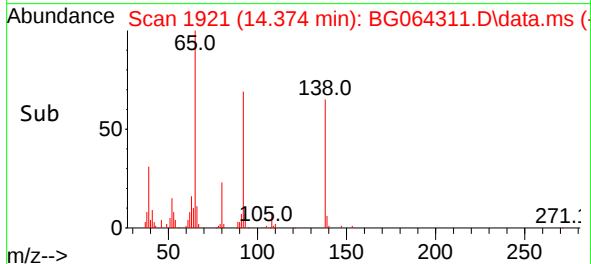
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:138 Resp: 36789
Ion Ratio Lower Upper
138 100
108 10.9 11.0 16.6
92 109.3 91.4 137.0

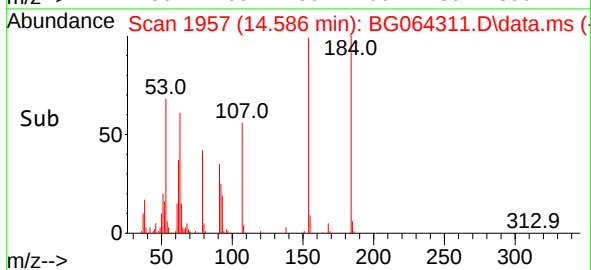
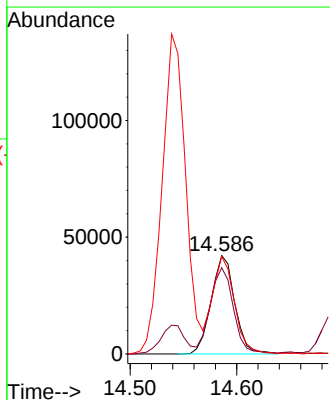
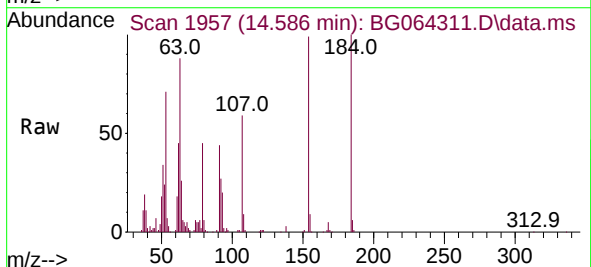
Manual Integrations
APPROVED

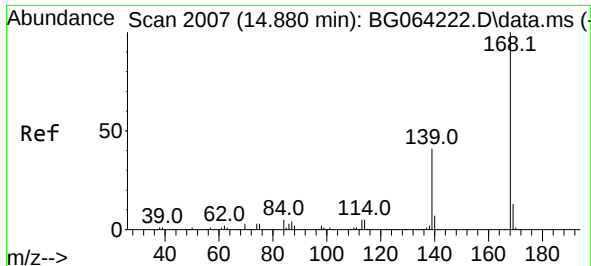
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#54
2,4-Dinitrophenol
Concen: 79.312 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

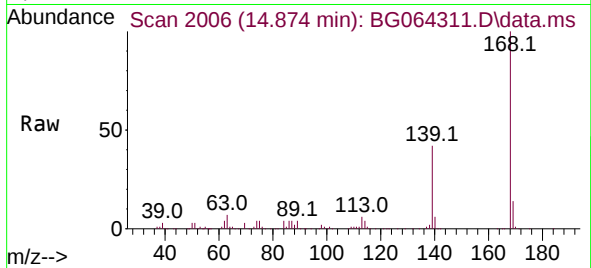
Tgt Ion:184 Resp: 64602
Ion Ratio Lower Upper
184 100
63 87.5 60.1 90.1
154 99.2 59.8 89.8#





#55
Dibenzofuran
Concen: 44.958 ng
RT: 14.874 min Scan# 2007
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

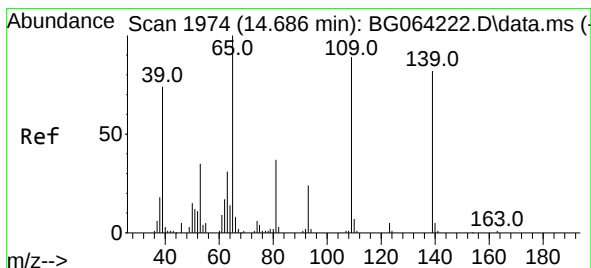
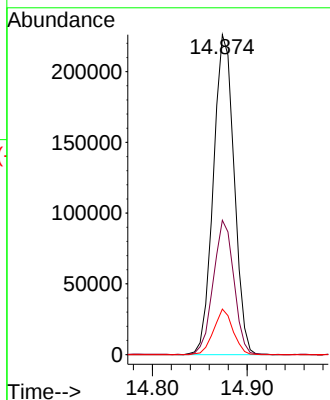
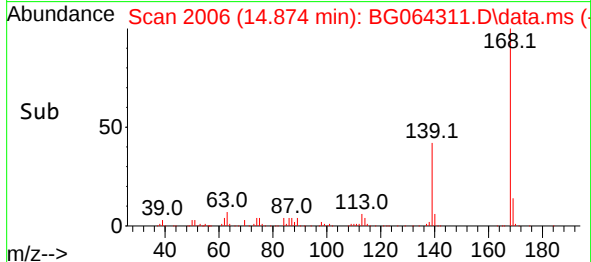
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:168 Resp: 343894
Ion Ratio Lower Upper
168 100
139 42.0 33.2 49.8
169 14.2 10.4 15.6

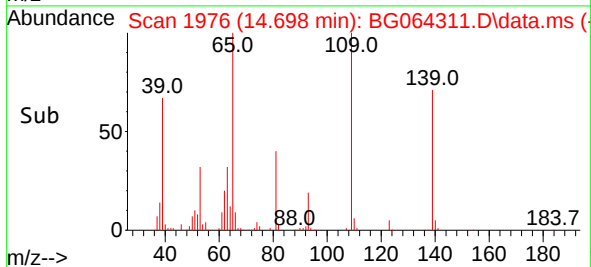
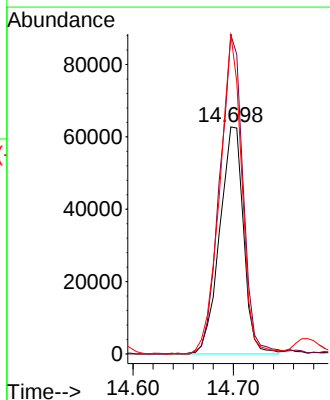
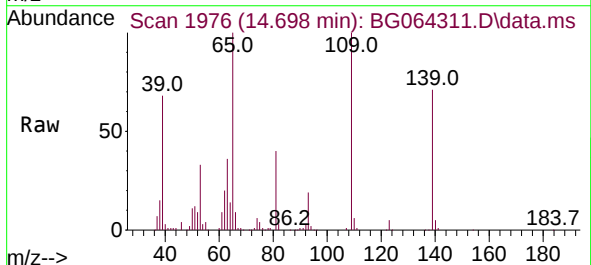
Manual Integrations
APPROVED

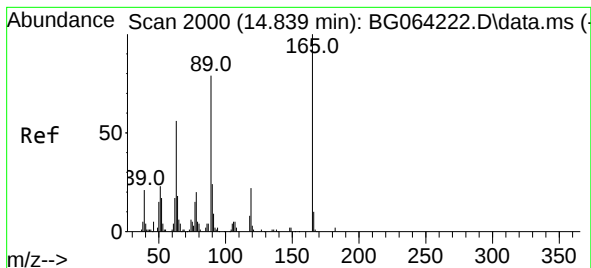
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#56
4-Nitrophenol
Concen: 96.382 ng
RT: 14.698 min Scan# 1976
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:139 Resp: 103316
Ion Ratio Lower Upper
139 100
109 140.6 89.1 129.1#
65 141.0 102.9 142.9





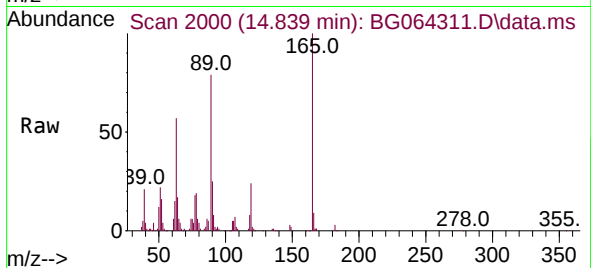
#57
2,4-Dinitrotoluene
Concen: 48.923 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

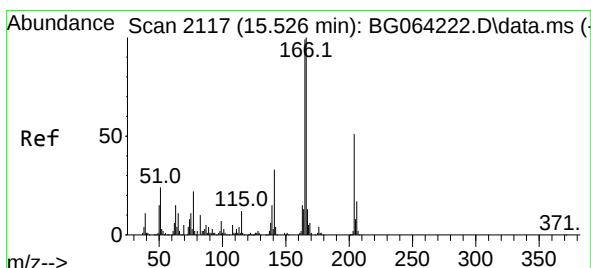
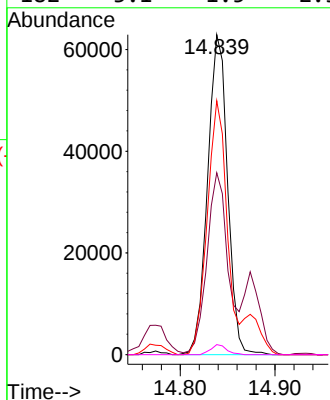
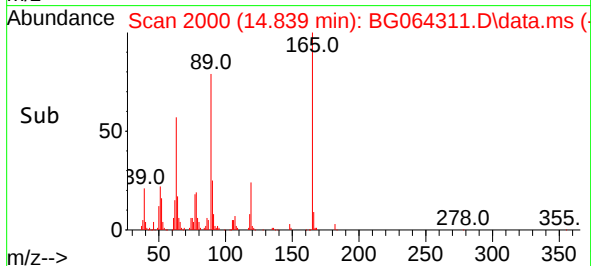


Tgt Ion:165 Resp: 92282
Ion Ratio Lower Upper
165 100
63 56.8 44.6 67.0
89 79.3 63.0 94.4
182 3.1 1.5 2.3#

Manual Integrations

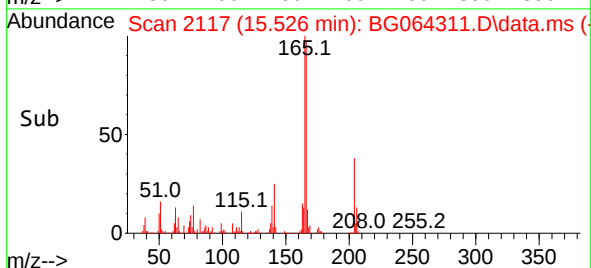
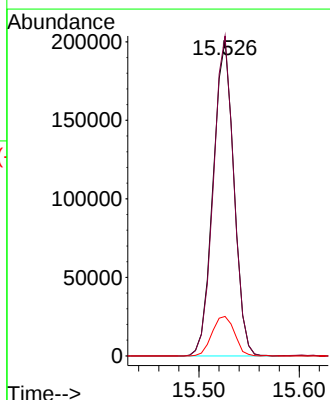
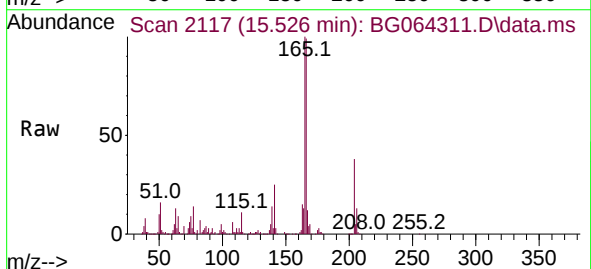
APPROVED

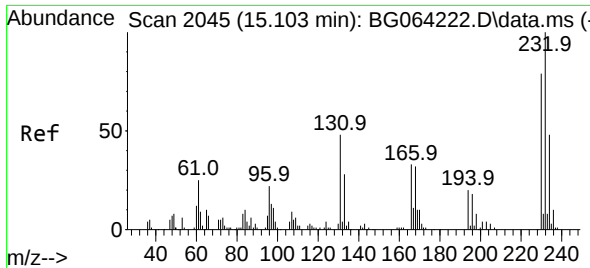
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#58
Fluorene
Concen: 45.955 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:166 Resp: 288114
Ion Ratio Lower Upper
166 100
165 101.3 79.1 118.7
167 12.5 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.796 ng
RT: 15.103 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

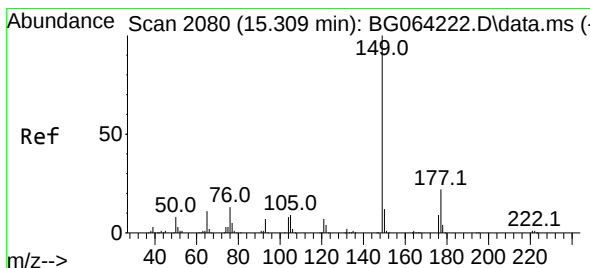
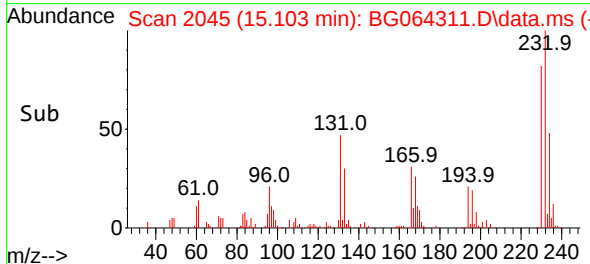
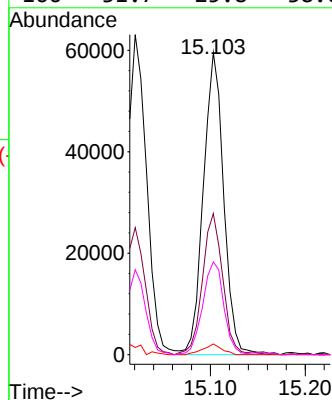
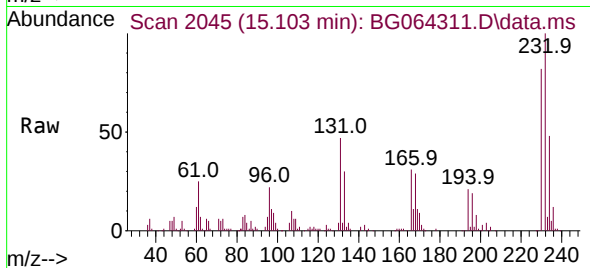
SOIL-PILE-1MSD

Tgt Ion:232 Resp: 88726
Ion Ratio Lower Upper
232 100
131 46.6 37.1 55.7
130 3.3 2.6 3.8
166 31.7 25.8 38.6

Manual Integrations

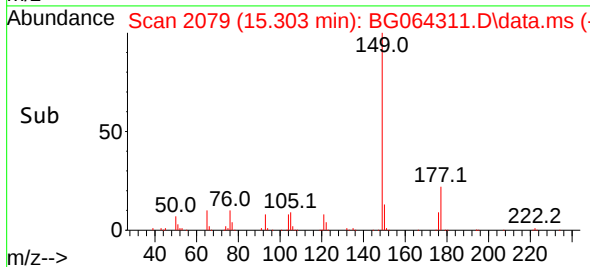
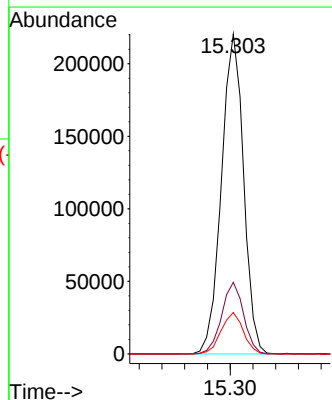
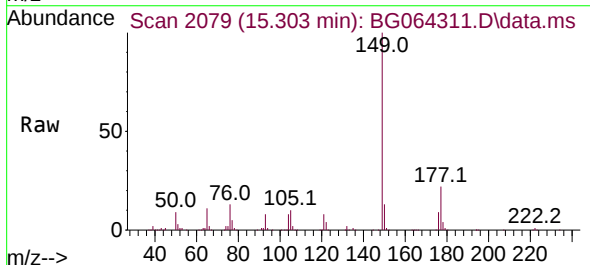
APPROVED

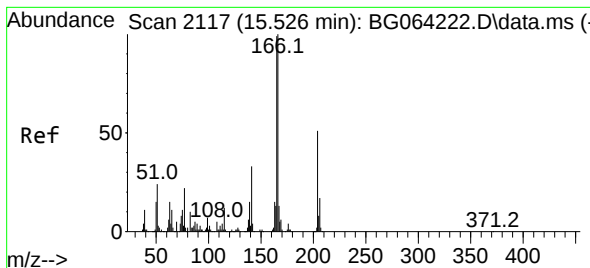
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#60
Diethylphthalate
Concen: 43.126 ng
RT: 15.303 min Scan# 2079
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

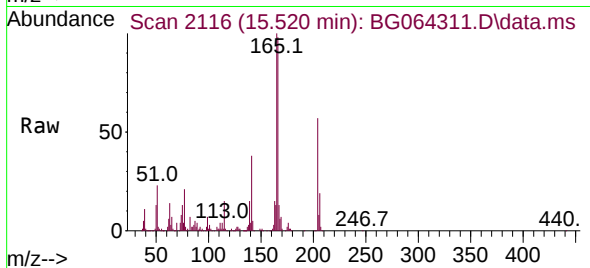
Tgt Ion:149 Resp: 297415
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 12.9 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 47.136 ng
RT: 15.520 min Scan# 2116
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

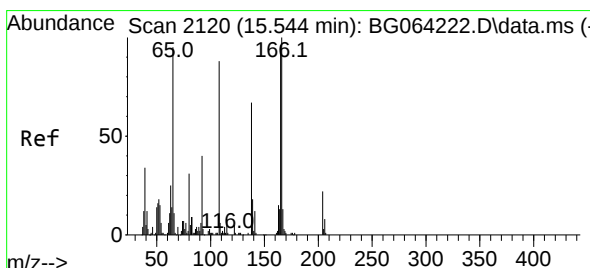
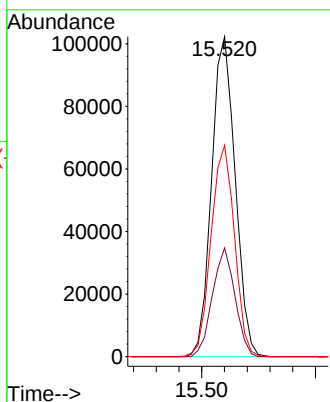
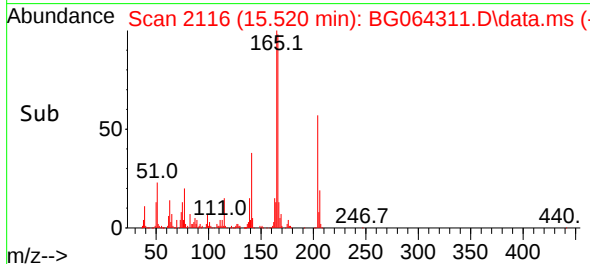
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:204 Resp: 14734
Ion Ratio Lower Upper
204 100
206 34.0 26.2 39.4
141 66.0 51.9 77.9

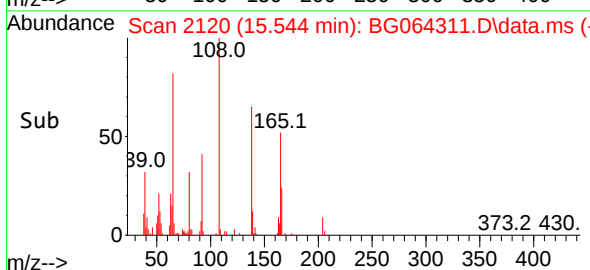
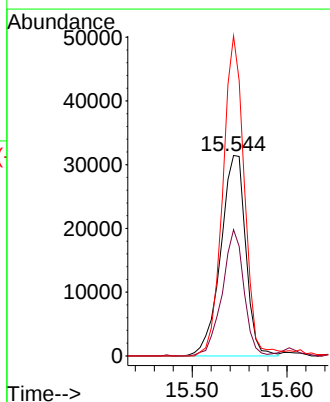
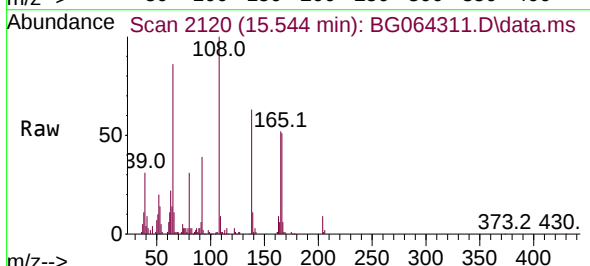
Manual Integrations
APPROVED

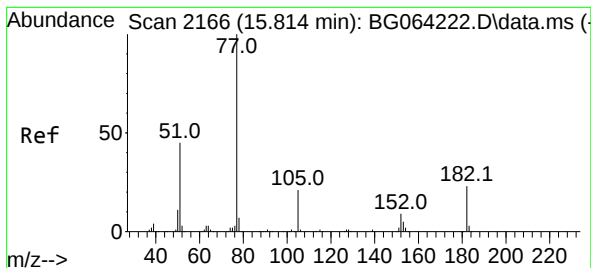
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#62
4-Nitroaniline
Concen: 43.225 ng
RT: 15.544 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

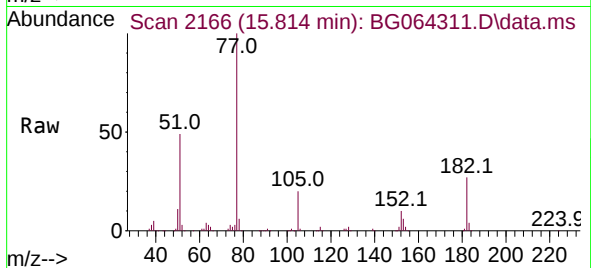
Tgt Ion:138 Resp: 57638
Ion Ratio Lower Upper
138 100
92 63.0 39.1 79.1
108 159.7 111.3 151.3#





#63
Azobenzene
Concen: 45.498 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

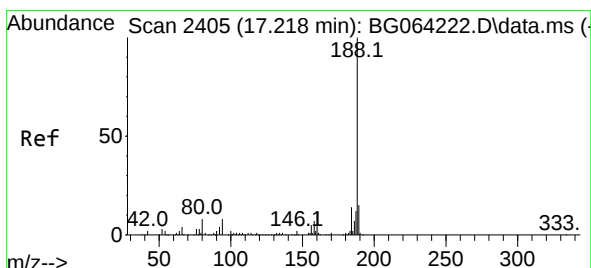
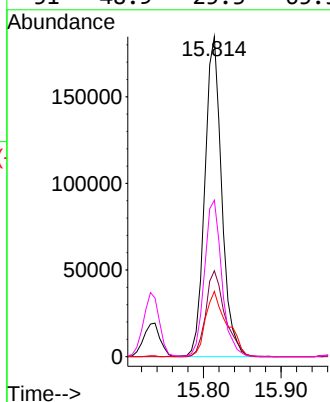
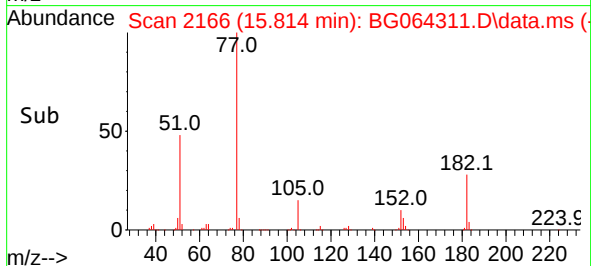
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



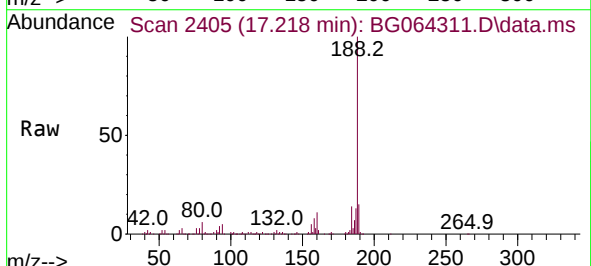
Tgt Ion: 77 Resp: 279664
Ion Ratio Lower Upper
77 100
182 26.8 3.3 43.3
105 20.4 0.6 40.6
51 48.9 25.3 65.3

Manual Integrations
APPROVED

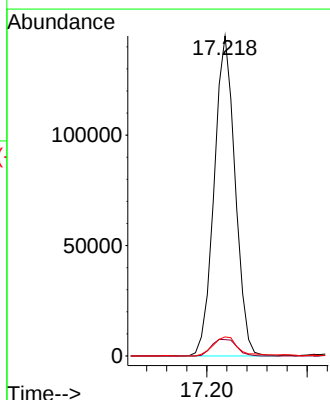
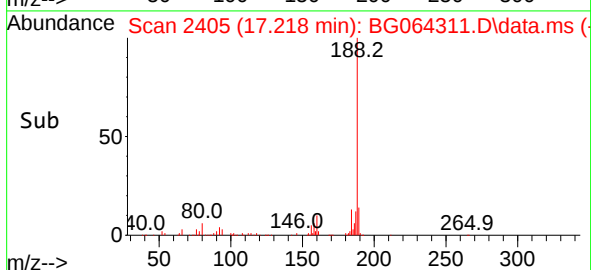
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

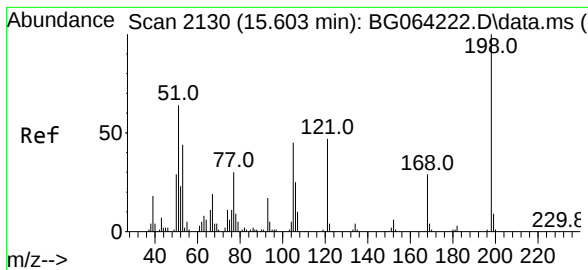


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



Tgt Ion:188 Resp: 210434
Ion Ratio Lower Upper
188 100
94 5.1 6.2 9.4#
80 5.9 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 44.702 ng
RT: 15.602 min Scan# 2130
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

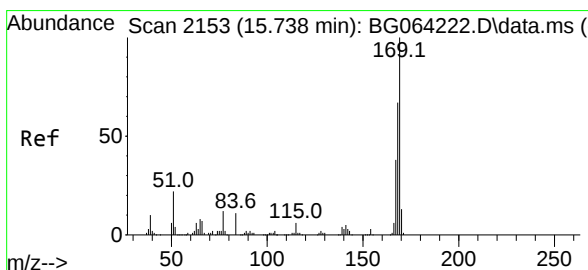
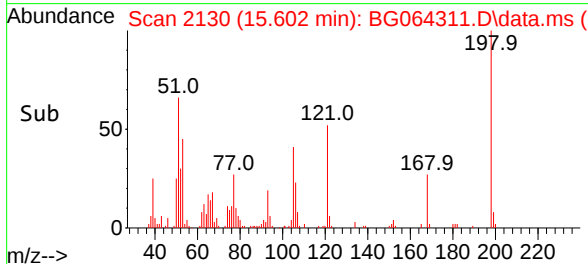
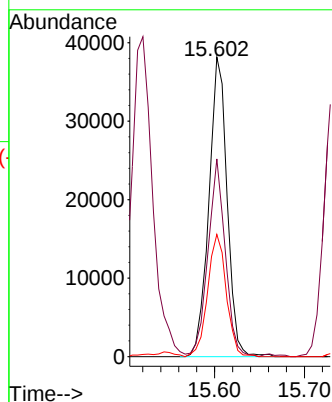
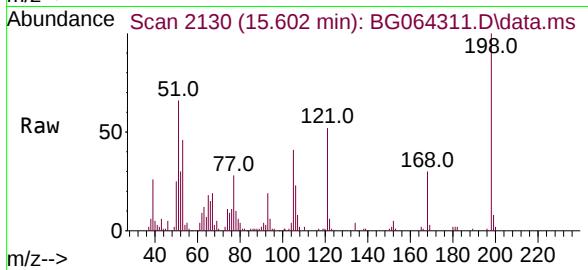
SOIL-PILE-1MSD

Tgt Ion:198 Resp: 5400
Ion Ratio Lower Upper
198 100
51 66.0 46.2 86.2
105 40.8 25.0 65.0

Manual Integrations

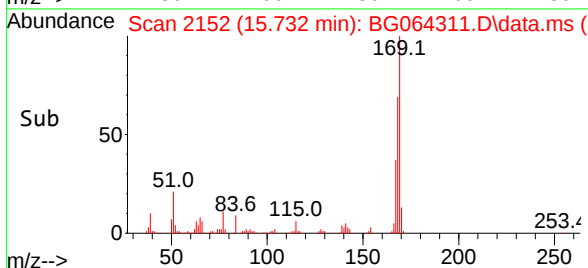
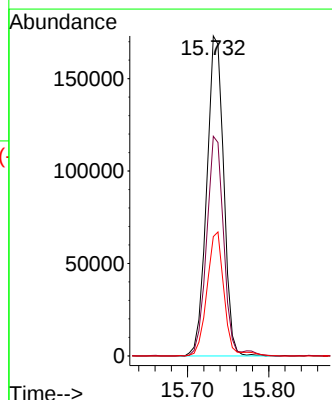
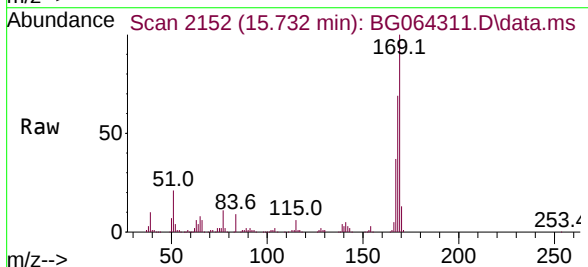
APPROVED

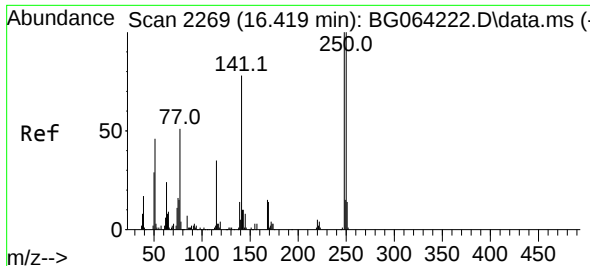
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#66
n-Nitrosodiphenylamine
Concen: 43.351 ng
RT: 15.732 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

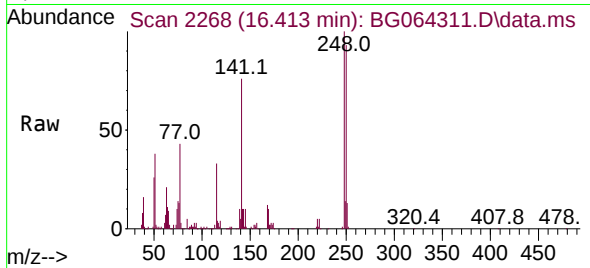
Tgt Ion:169 Resp: 250954
Ion Ratio Lower Upper
169 100
168 68.6 53.8 80.8
167 37.3 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 47.501 ng
RT: 16.413 min Scan# 2268
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

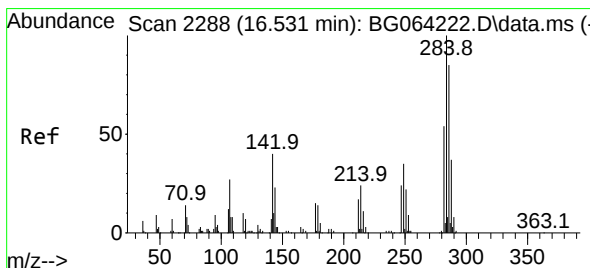
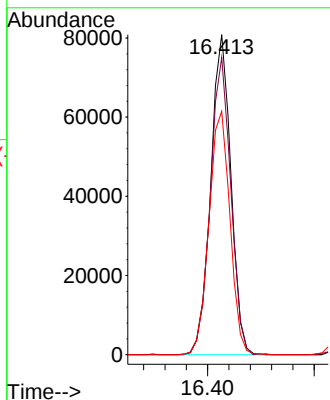
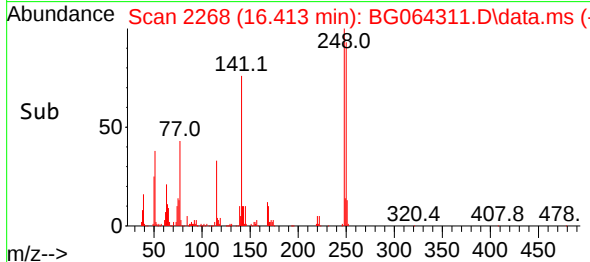
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:248 Resp: 106168
Ion Ratio Lower Upper
248 100
250 92.9 80.2 120.4
141 76.0 62.4 93.6

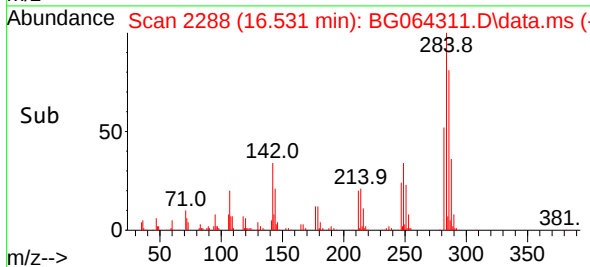
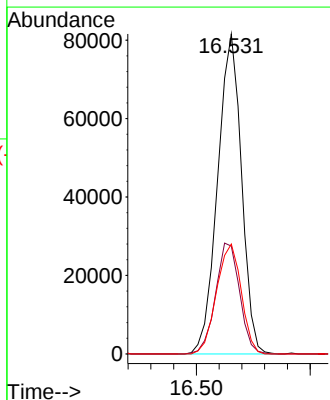
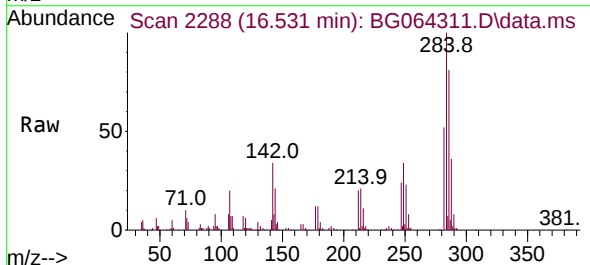
Manual Integrations
APPROVED

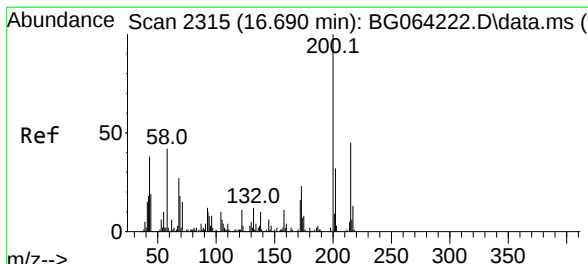
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#68
Hexachlorobenzene
Concen: 47.751 ng
RT: 16.531 min Scan# 2288
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

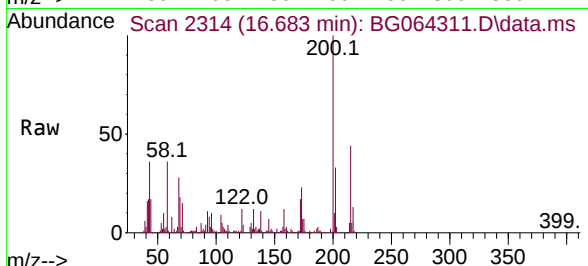
Tgt Ion:284 Resp: 118518
Ion Ratio Lower Upper
284 100
142 33.7 32.1 48.1
249 34.3 28.3 42.5





#69
 Atrazine
 Concen: 46.597 ng
 RT: 16.683 min Scan# 2314
 Delta R.T. -0.012 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

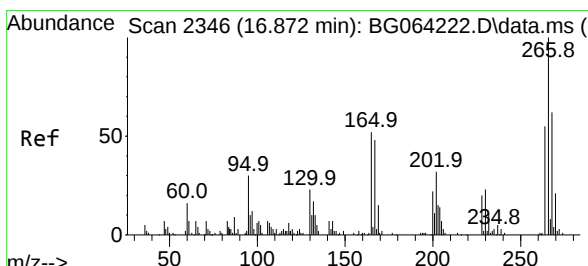
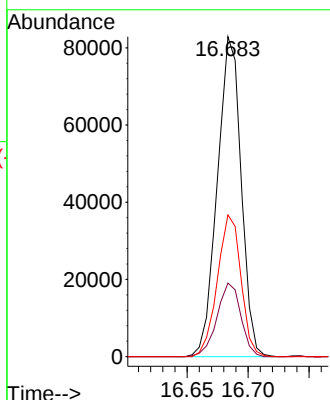
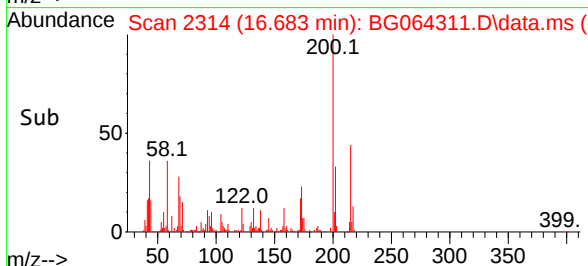
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MSD



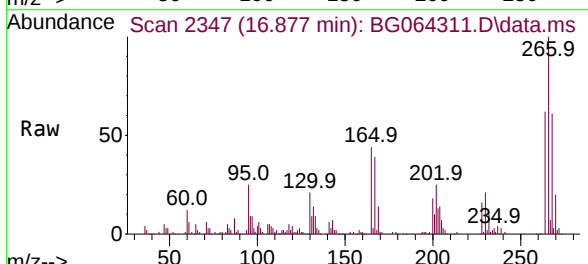
Tgt Ion:200 Resp: 112629
 Ion Ratio Lower Upper
 200 100
 173 23.0 3.5 43.5
 215 44.3 24.8 64.8

Manual Integrations
 APPROVED

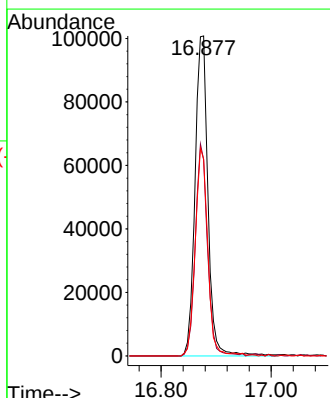
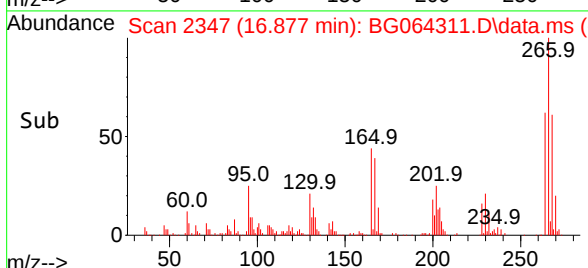
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

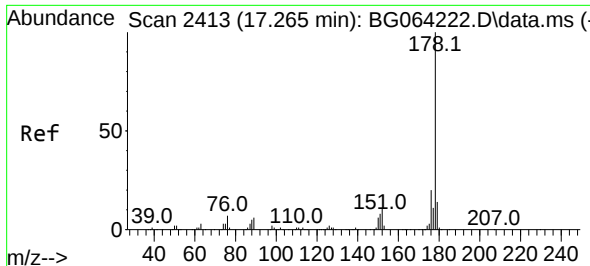


#70
 Pentachlorophenol
 Concen: 109.119 ng
 RT: 16.877 min Scan# 2347
 Delta R.T. -0.001 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41



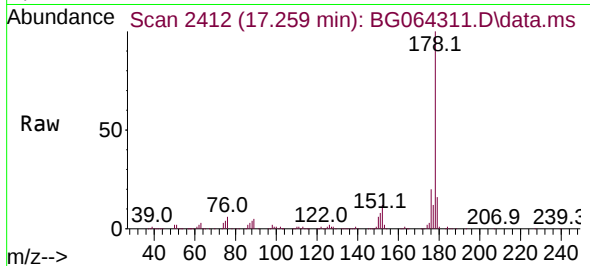
Tgt Ion:266 Resp: 164219
 Ion Ratio Lower Upper
 266 100
 268 64.6 49.4 74.0
 264 61.5 44.3 66.5





#71
Phenanthrene
Concen: 44.031 ng
RT: 17.259 min Scan# 2413
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

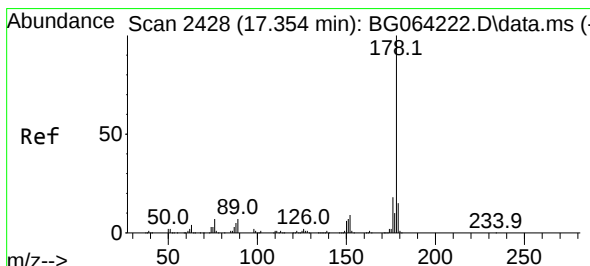
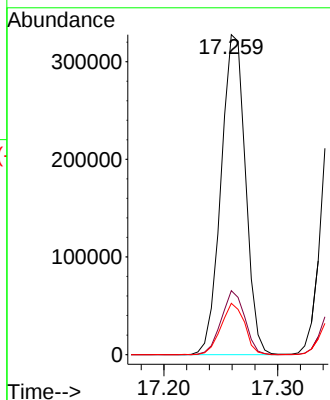
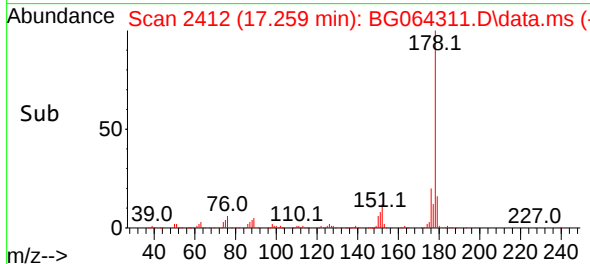
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:178 Resp: 488694
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 16.0 11.4 17.2

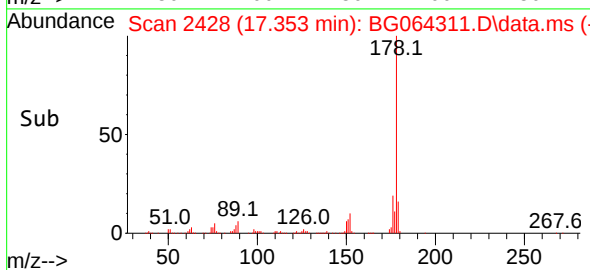
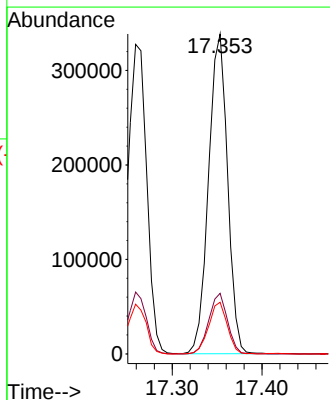
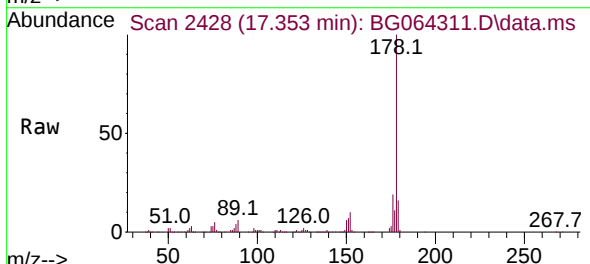
Manual Integrations
APPROVED

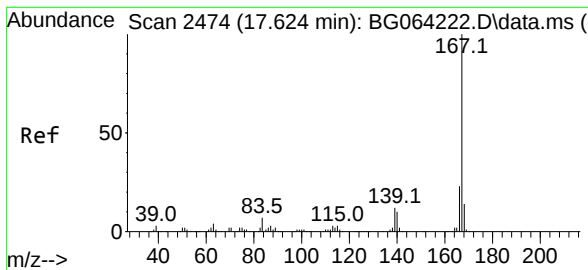
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#72
Anthracene
Concen: 44.000 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

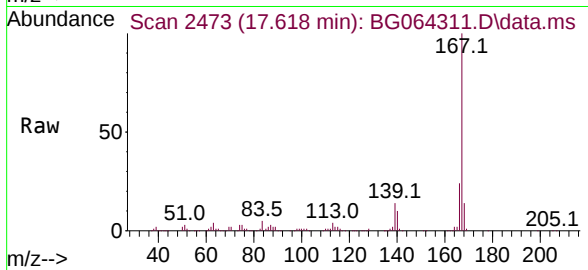
Tgt Ion:178 Resp: 496769
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 16.1 12.1 18.1





#73
 Carbazole
 Concen: 44.859 ng
 RT: 17.618 min Scan# 2473
 Delta R.T. -0.007 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

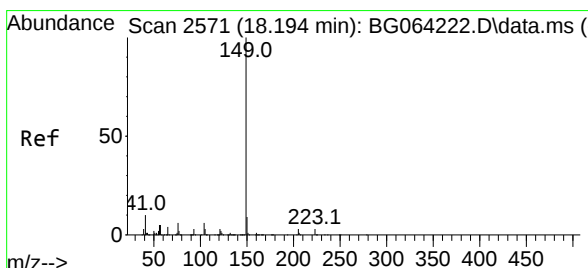
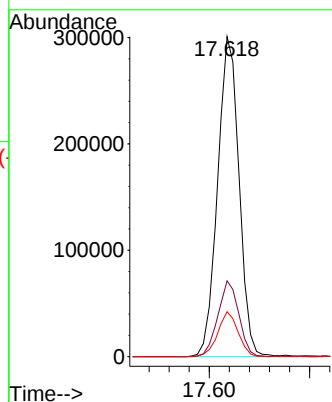
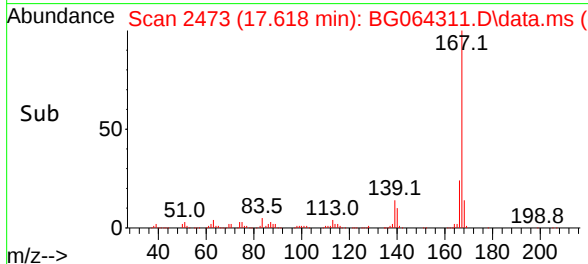
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MSD



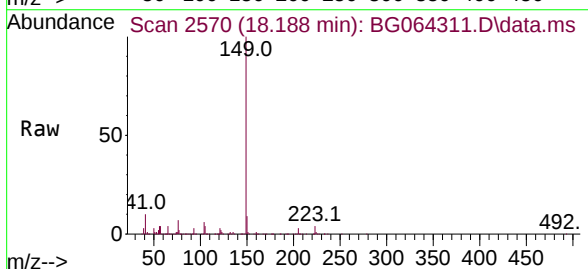
Tgt Ion:167 Resp: 446158
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.2 27.2
 139 14.1 9.8 14.6

Manual Integrations
 APPROVED

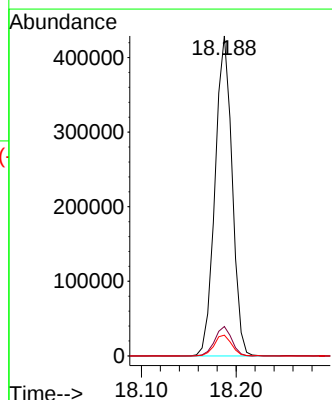
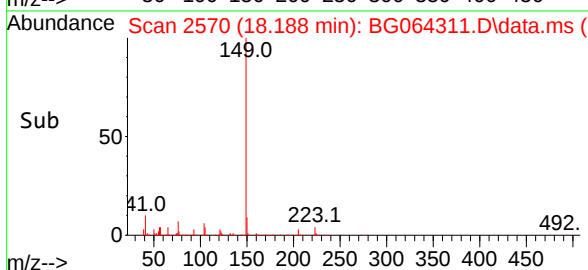
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

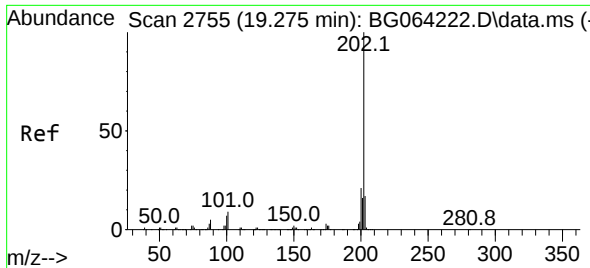


#74
 Di-n-butylphthalate
 Concen: 44.741 ng
 RT: 18.188 min Scan# 2570
 Delta R.T. -0.007 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41



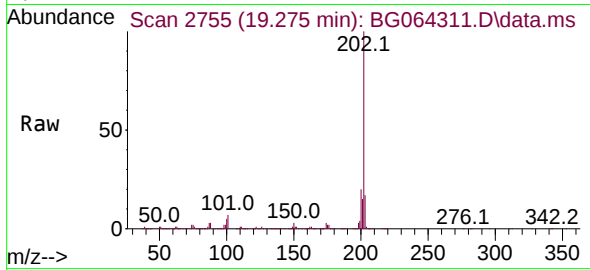
Tgt Ion:149 Resp: 534612
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 6.5 4.6 7.0





#75
Fluoranthene
Concen: 48.652 ng
RT: 19.275 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

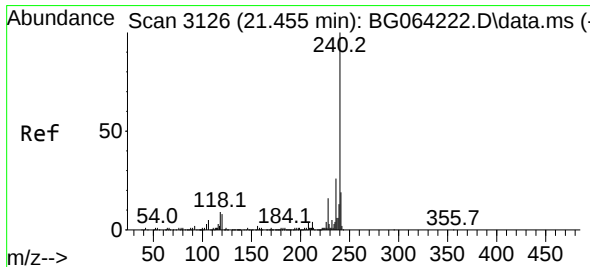
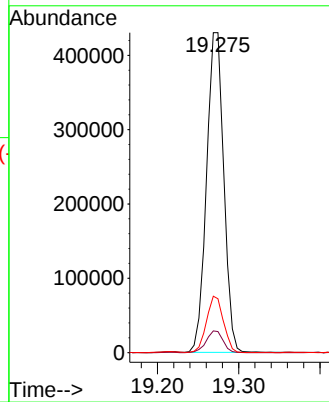
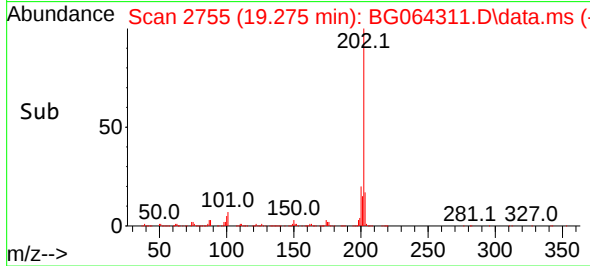
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



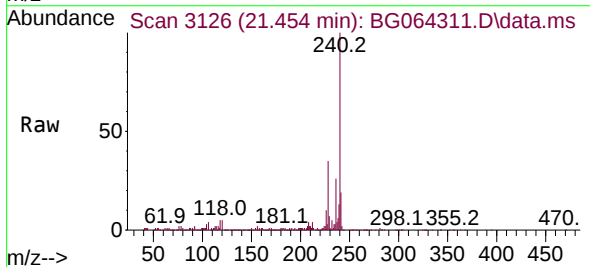
Tgt Ion:202 Resp: 634926
Ion Ratio Lower Upper
202 100
101 6.6 0.0 28.7
203 16.8 0.0 36.9

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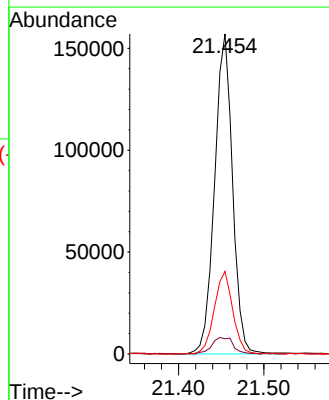
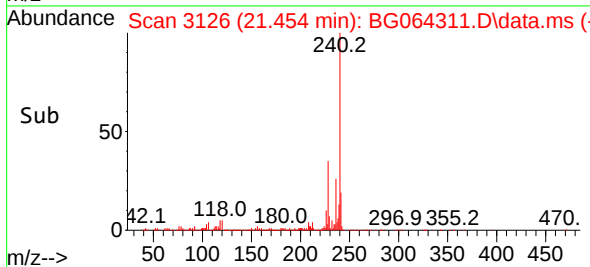
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

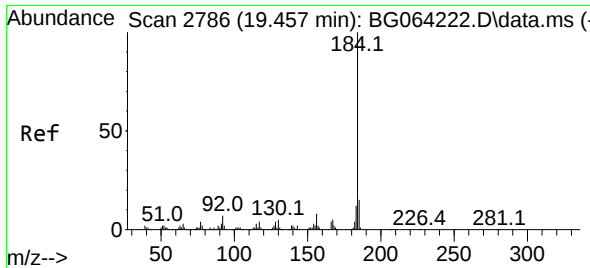


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



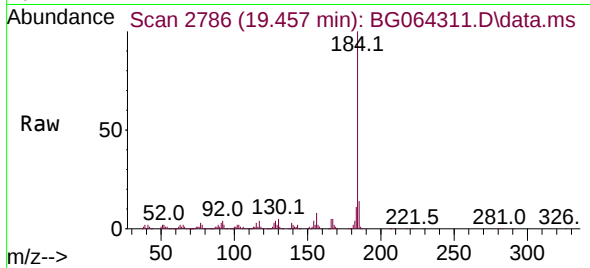
Tgt Ion:240 Resp: 229459
Ion Ratio Lower Upper
240 100
120 4.7 6.2 9.4#
236 25.8 20.5 30.7





#77
Benzidine
Concen: 66.757 ng
RT: 19.457 min Scan# 2786
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

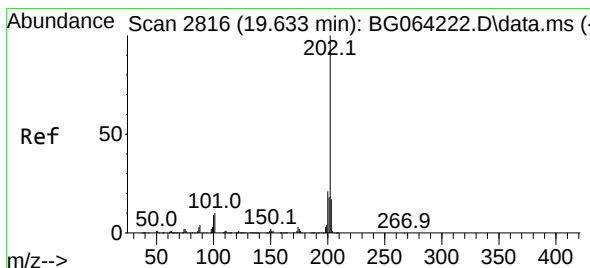
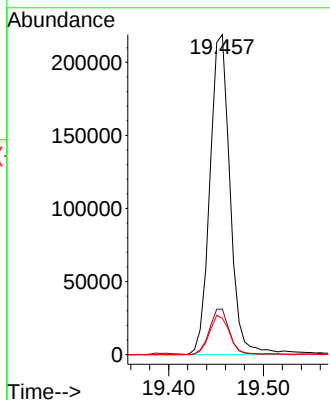
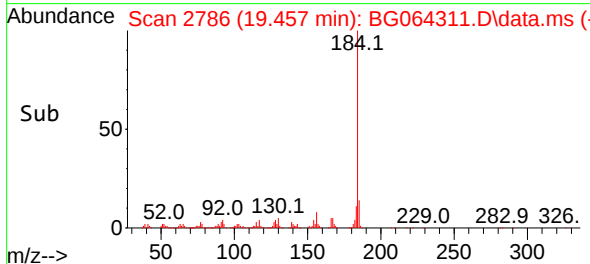
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:184 Resp: 322238
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 11.4 9.7 14.5

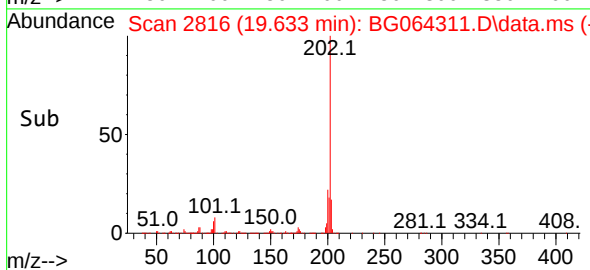
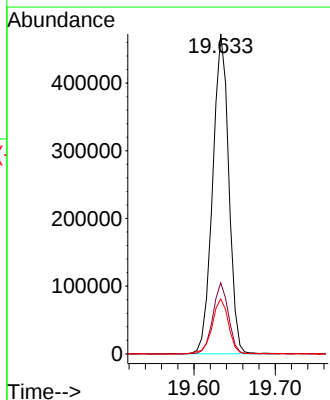
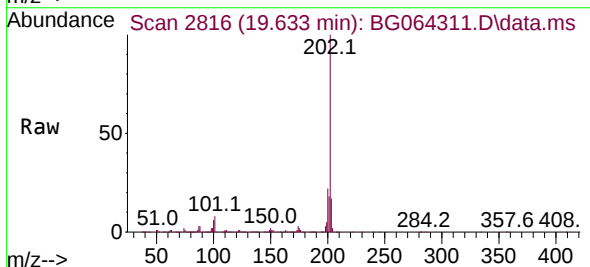
Manual Integrations
APPROVED

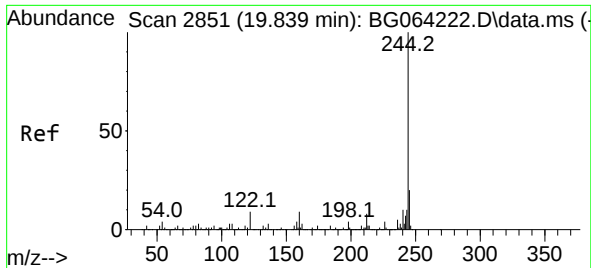
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#78
Pyrene
Concen: 44.940 ng
RT: 19.633 min Scan# 2816
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:202 Resp: 649657
Ion Ratio Lower Upper
202 100
200 22.2 16.9 25.3
203 17.2 13.8 20.8





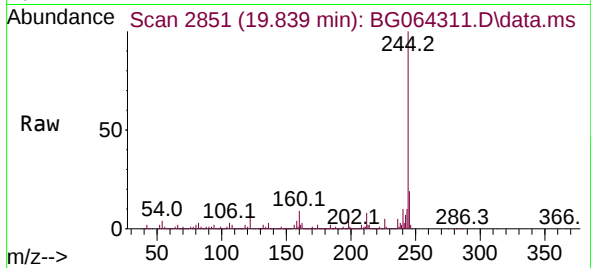
#79
 Terphenyl-d14
 Concen: 72.710 ng
 RT: 19.839 min Scan# 2851
 Delta R.T. -0.007 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD



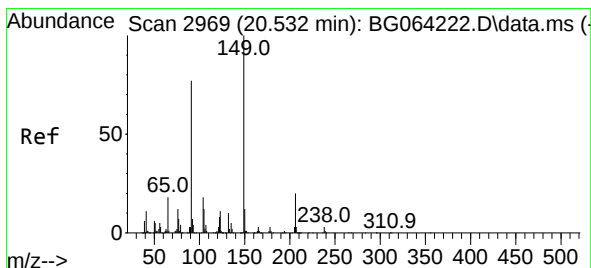
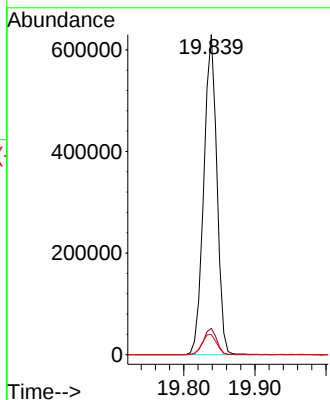
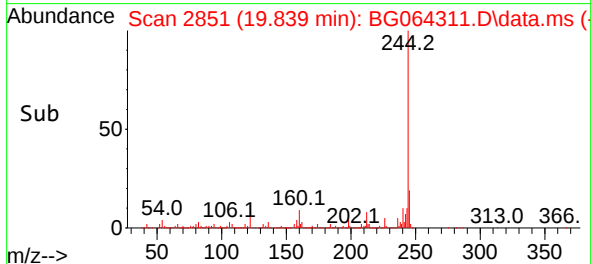
Tgt Ion:244 Resp: 799674
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 6.3 7.0 10.6

Manual Integrations

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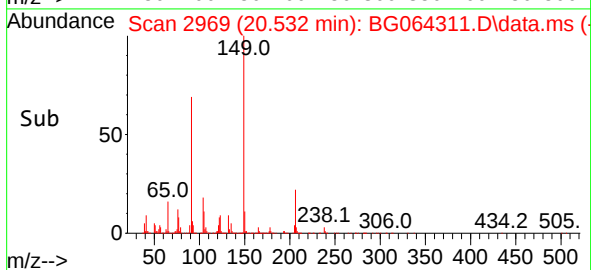
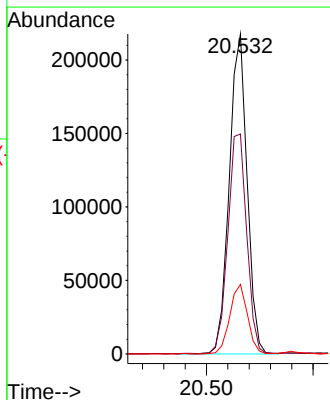
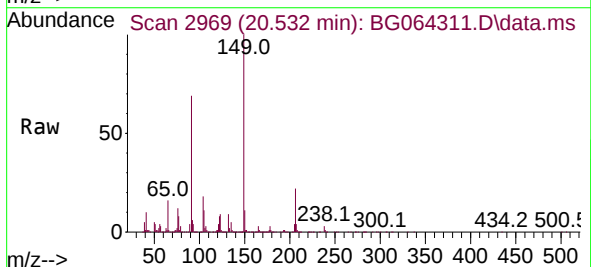
Reviewed By :Rahul Chavli 09/09/2025

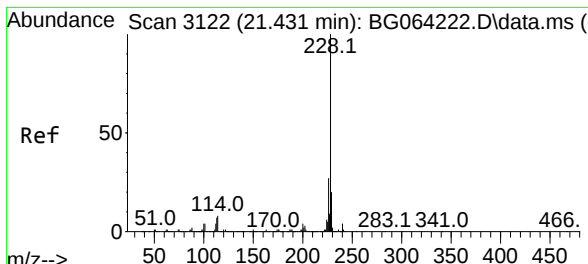
Supervised By :Jagrut Upadhyay 09/09/2025



#80
 Butylbenzylphthalate
 Concen: 46.193 ng
 RT: 20.532 min Scan# 2969
 Delta R.T. -0.001 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

Tgt Ion:149 Resp: 251870
 Ion Ratio Lower Upper
 149 100
 91 68.7 61.4 92.0
 206 21.7 15.8 23.6





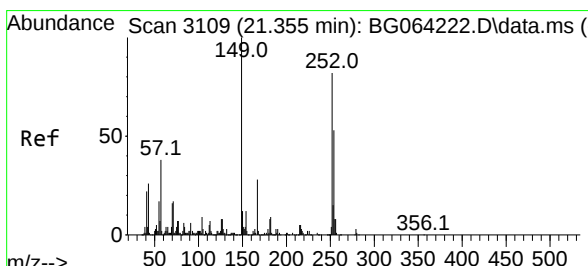
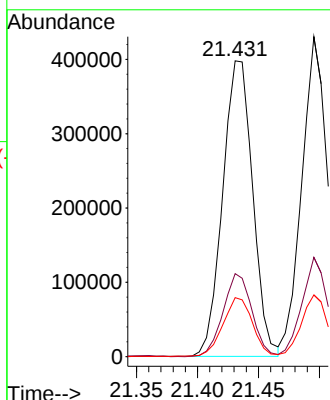
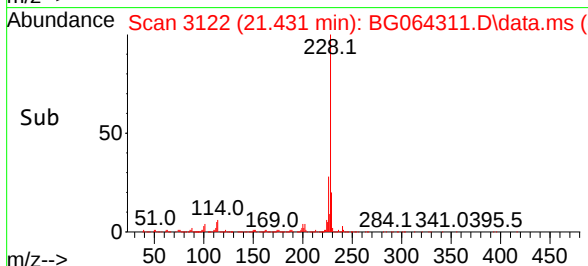
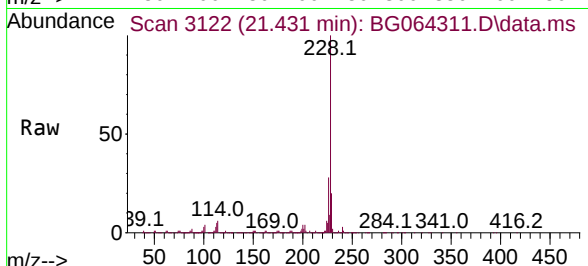
#81
Benzo(a)anthracene
Concen: 46.528 ng
RT: 21.431 min Scan# 3122
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD

Tgt Ion:	228	Resp:	68301
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.7	32.5
229	20.0	15.9	23.9

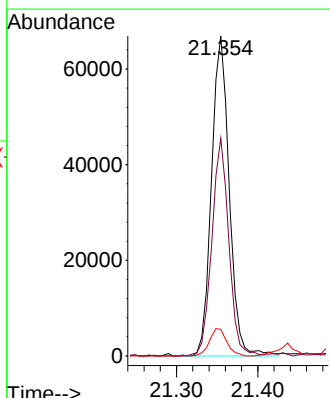
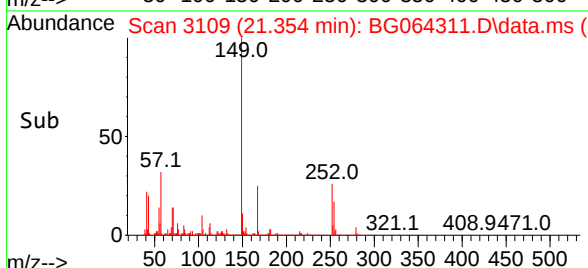
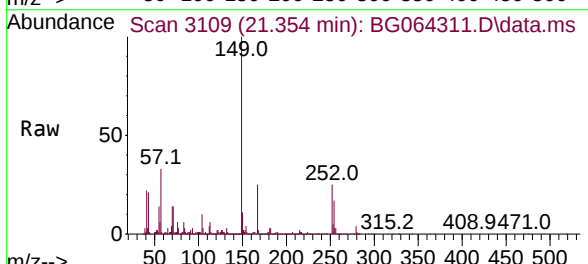
Manual Integrations
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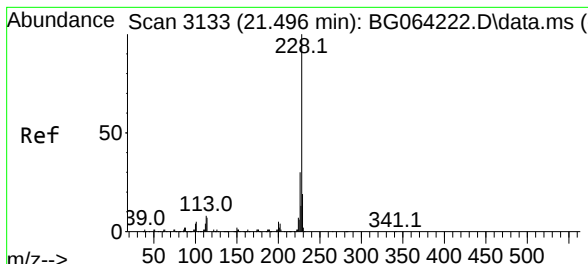
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025



#82
3,3'-Dichlorobenzidine
Concen: 21.179 ng
RT: 21.354 min Scan# 3109
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

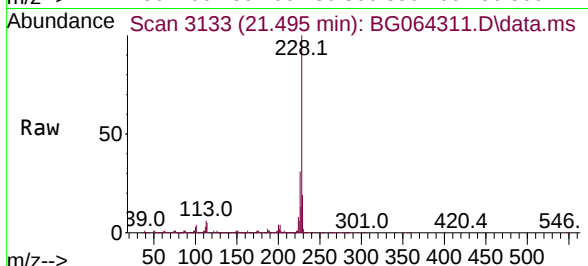
Tgt Ion:	252	Resp:	101253
Ion Ratio	Lower	Upper	
252	100		
254	68.0	51.9	77.9
126	8.3	7.6	11.4





#83
 Chrysene
 Concen: 44.669 ng
 RT: 21.495 min Scan# 3113
 Delta R.T. -0.007 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

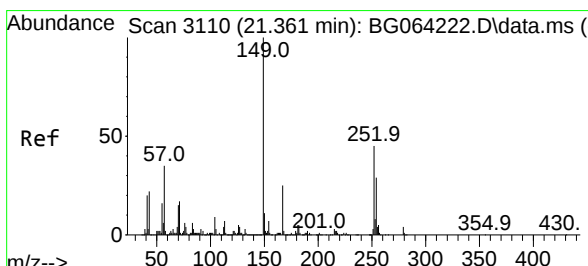
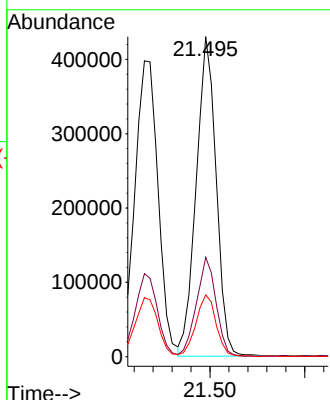
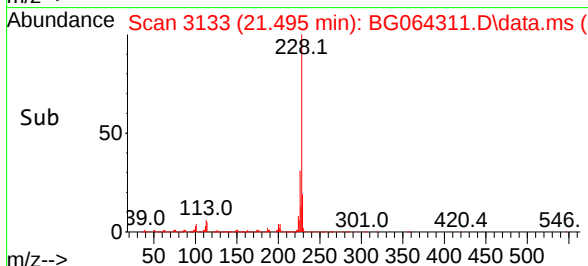
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MSD



Tgt Ion:228 Resp: 629528
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.2 36.2
 229 19.3 15.4 23.2

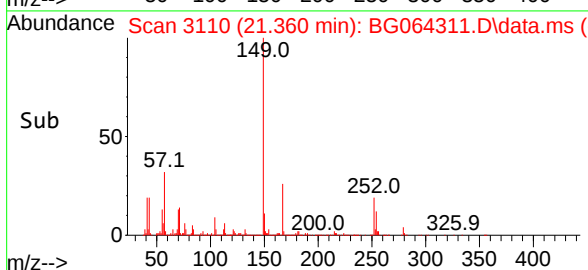
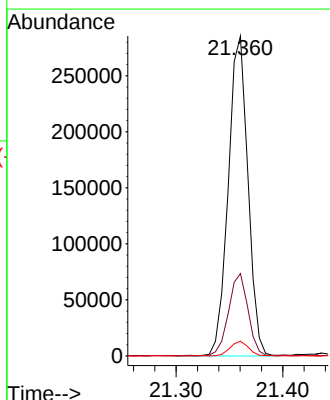
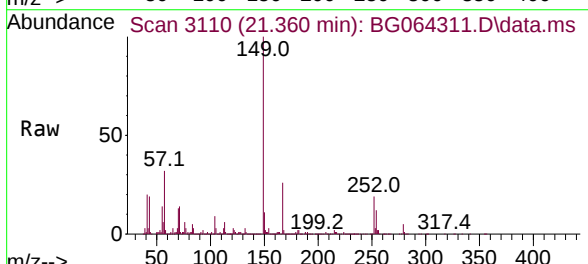
Manual Integrations
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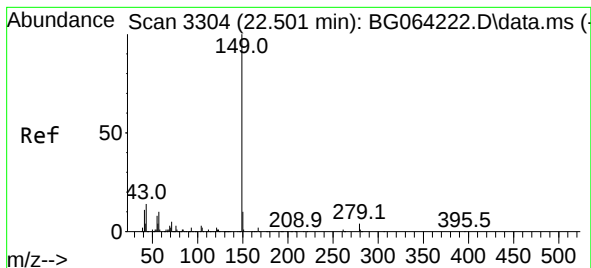
Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.694 ng
 RT: 21.360 min Scan# 3110
 Delta R.T. -0.007 min
 Lab File: BG064311.D
 Acq: 8 Sep 2025 17:41

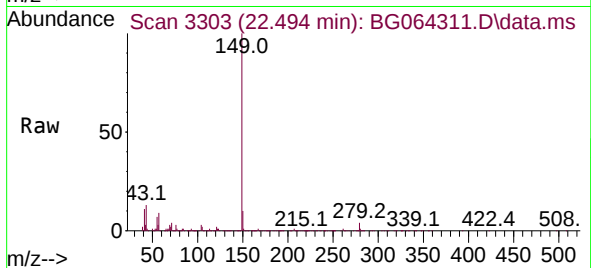
Tgt Ion:149 Resp: 365874
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.0 30.0
 279 4.6 3.0 4.4#





#85
Di-n-octyl phthalate
Concen: 43.714 ng
RT: 22.494 min Scan# 3304
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

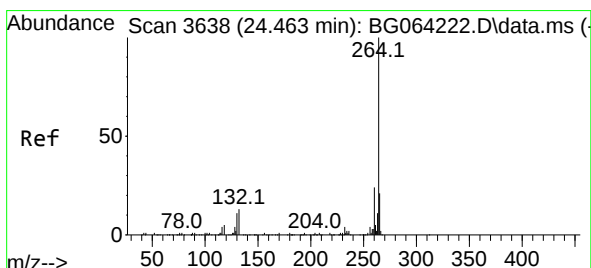
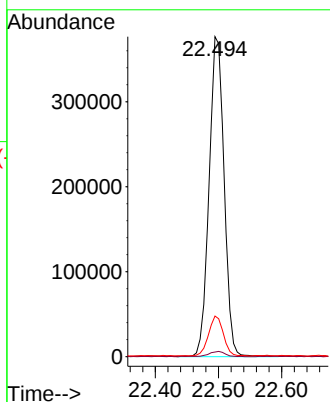
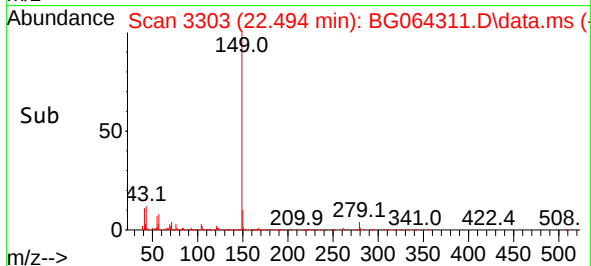
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



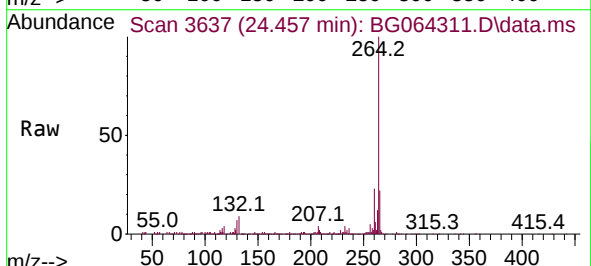
Tgt Ion:149 Resp: 623515
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 12.2 10.8 16.2

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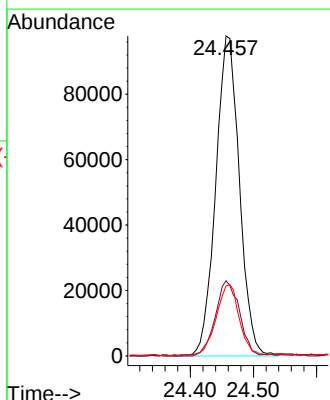
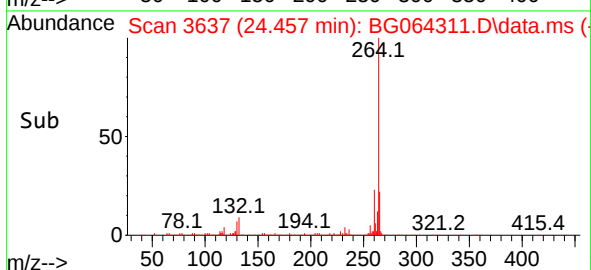
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

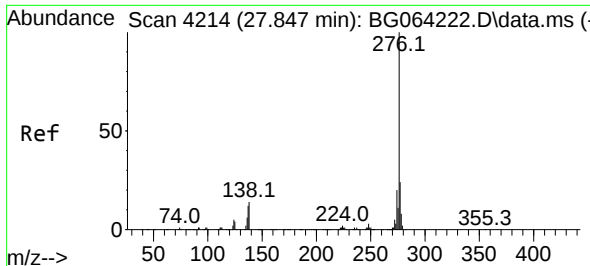


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.457 min Scan# 3637
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



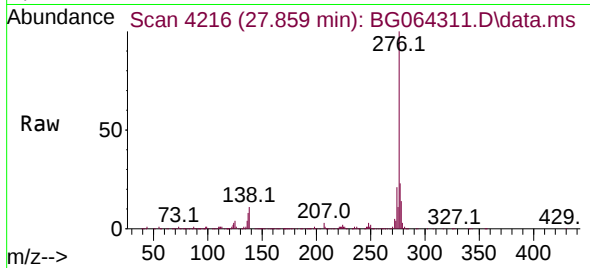
Tgt Ion:264 Resp: 254609
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.8 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.626 ng
RT: 27.859 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

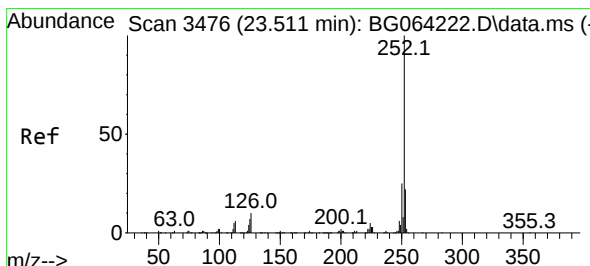
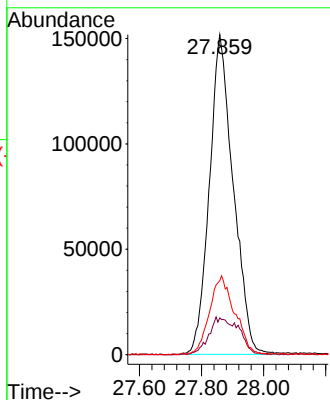
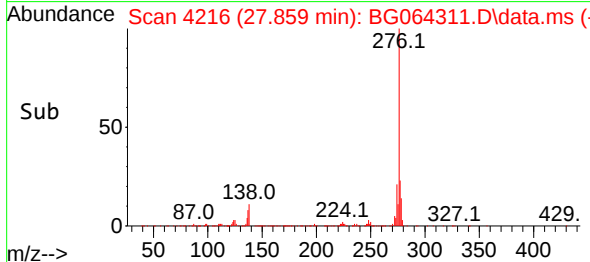
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



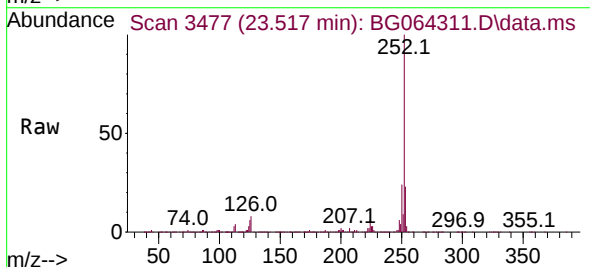
Tgt Ion:276 Resp: 810708
Ion Ratio Lower Upper
276 100
138 5.0 7.4 11.0
277 26.0 20.5 30.7

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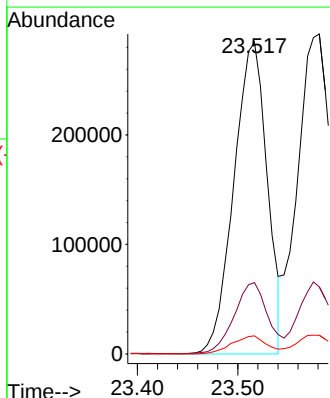
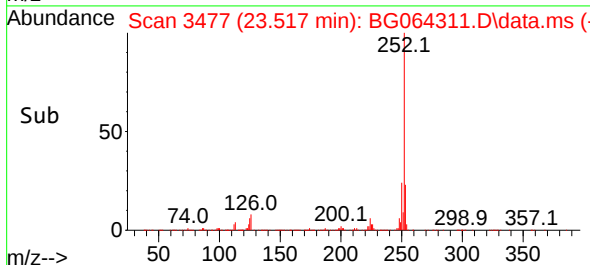
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

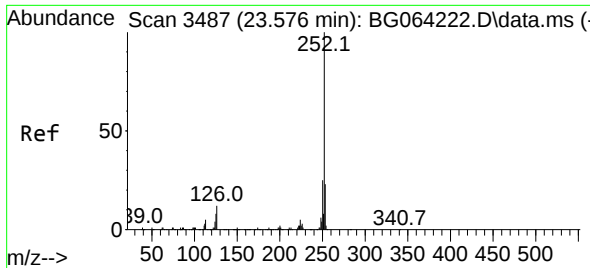


#88
Benzo(b)fluoranthene
Concen: 45.728 ng
RT: 23.517 min Scan# 3477
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



Tgt Ion:252 Resp: 657099
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 5.8 5.9 8.9





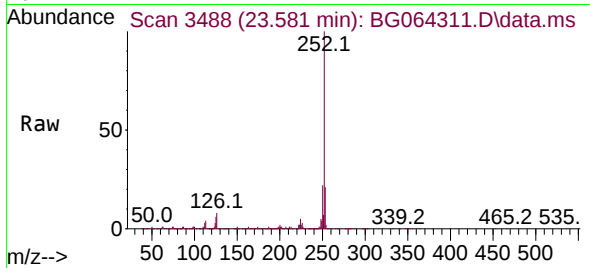
#89
Benzo(k)fluoranthene
Concen: 47.422 ng m
RT: 23.581 min Scan# 3487
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Instrument :

BNA_G

ClientSampleId :

SOIL-PILE-1MSD

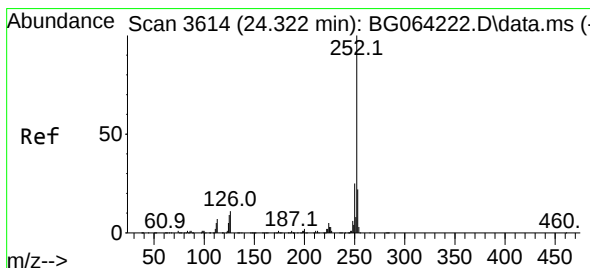
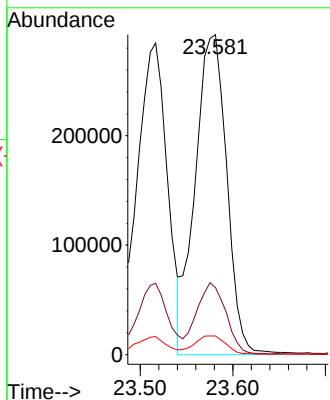
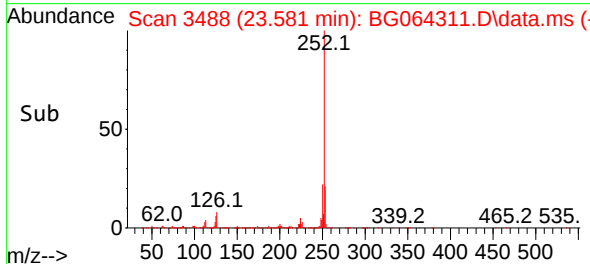


Tgt Ion:252 Resp: 694245
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.4
125 5.8 7.0 10.4

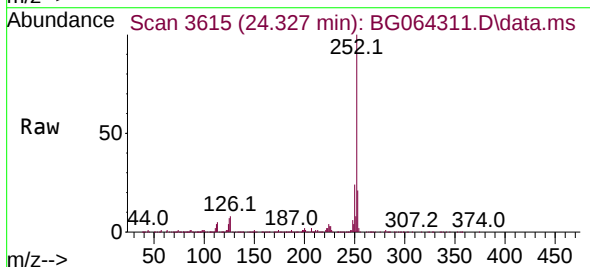
Manual Integrations

APPROVED

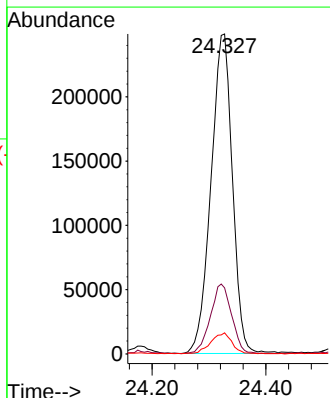
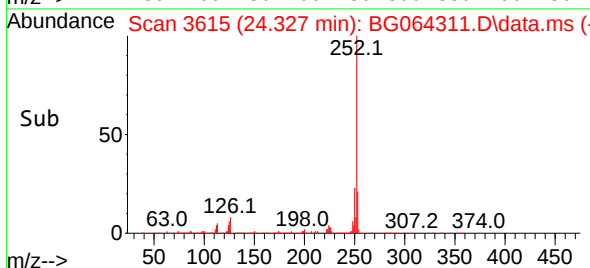
Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

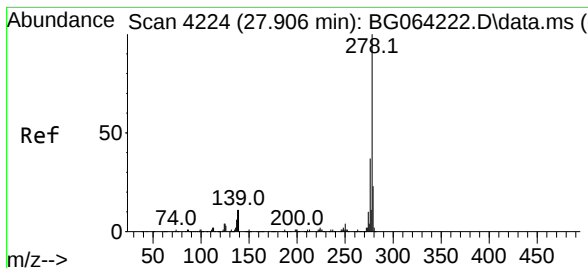


#90
Benzo(a)pyrene
Concen: 48.668 ng
RT: 24.327 min Scan# 3615
Delta R.T. -0.001 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41



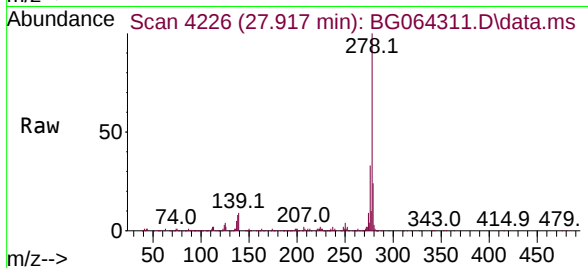
Tgt Ion:252 Resp: 650551
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.2
125 6.6 7.0 10.6





#91
Dibenzo(a,h)anthracene
Concen: 46.312 ng
RT: 27.917 min Scan# 41
Delta R.T. -0.007 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

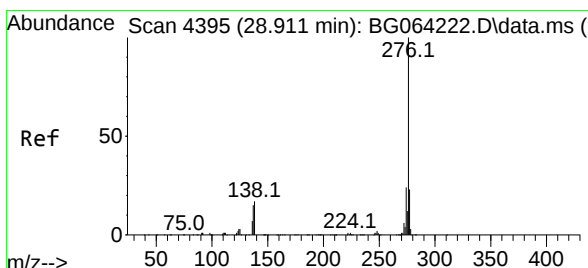
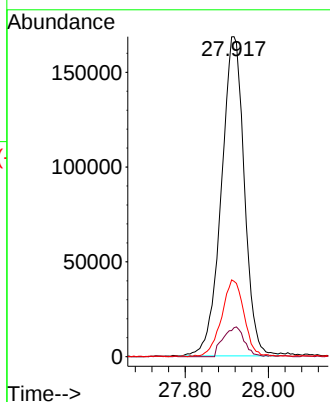
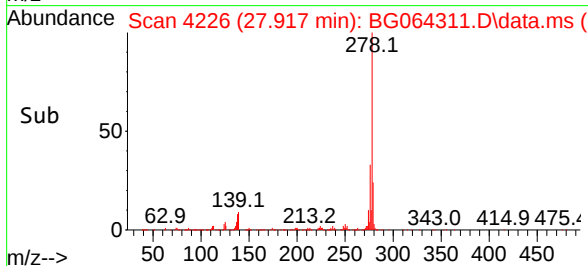
Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD



Tgt Ion:278 Resp: 646540
Ion Ratio Lower Upper
278 100
139 9.0 9.0 13.4
279 23.5 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: 48.233 ng
RT: 28.922 min Scan# 4397
Delta R.T. -0.012 min
Lab File: BG064311.D
Acq: 8 Sep 2025 17:41

Tgt Ion:276 Resp: 655223
Ion Ratio Lower Upper
276 100
277 21.8 18.2 27.4
138 10.5 13.3 19.9#

