

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064257.D
 Acq On : 3 Sep 2025 17:08
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025

Quant Time: Sep 03 18:04:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	31315	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	143593	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	100689	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	222798	20.000	ng	0.00
76) Chrysene-d12	21.448	240	224213	20.000	ng	0.00
86) Perylene-d12	24.457	264	240707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	245428	140.610	ng	0.00
7) Phenol-d6	7.024	99	357097	148.918	ng	0.00
23) Nitrobenzene-d5	9.010	82	260167	101.047	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	190601	142.915	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	645194	97.805	ng	0.00
79) Terphenyl-d14	19.838	244	1129635	105.115	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.358	88	6829	9.387	ng	95
3) Pyridine	3.751	79	18015	8.412	ng	# 57
4) n-Nitrosodimethylamine	3.663	42	11903	8.403	ng	# 75
6) Aniline	7.183	93	29835	8.997	ng	94
8) 2-Chlorophenol	7.424	128	18670	8.753	ng	97
9) Benzaldehyde	7.001	77	17204m	8.718	ng	
10) Phenol	7.053	94	23714	8.970	ng	93
11) bis(2-Chloroethyl)ether	7.283	93	17678	8.898	ng	97
12) 1,3-Dichlorobenzene	7.747	146	20327	8.958	ng	91
13) 1,4-Dichlorobenzene	7.894	146	20840	9.100	ng	91
14) 1,2-Dichlorobenzene	8.205	146	20336	9.201	ng	94
15) Benzyl Alcohol	8.093	79	18655	8.430	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.381	45	37723	8.317	ng	95
17) 2-Methylphenol	8.299	107	16806	8.529	ng	# 90
18) Hexachloroethane	8.939	117	7530	8.424	ng	# 85
19) n-Nitroso-di-n-propyla...	8.652	70	16671	9.084	ng	# 98
20) 3+4-Methylphenols	8.622	107	22755	8.311	ng	93
22) Acetophenone	8.669	105	32634	8.983	ng	# 98
24) Nitrobenzene	9.051	77	24716	9.188	ng	# 91
25) Isophorone	9.568	82	47343	8.847	ng	# 94
26) 2-Nitrophenol	9.762	139	9809	8.439	ng	98
27) 2,4-Dimethylphenol	9.821	122	17271	8.463	ng	96
28) bis(2-Chloroethoxy)met...	10.056	93	25894	8.974	ng	# 96
29) 2,4-Dichlorophenol	10.291	162	17841	8.286	ng	93
30) 1,2,4-Trichlorobenzene	10.508	180	20877	9.195	ng	94
31) Naphthalene	10.696	128	63893	8.581	ng	98
32) Benzoic acid	9.915	122	9712m	5.995	ng	
33) 4-Chloroaniline	10.802	127	26543	9.197	ng	97
34) Hexachlorobutadiene	10.978	225	15090	8.991	ng	97
35) Caprolactam	11.542	113	6785	8.138	ng	# 75
36) 4-Chloro-3-methylphenol	11.924	107	23666	8.471	ng	99
37) 2-Methylnaphthalene	12.300	142	41823	7.557	ng	99
38) 1-Methylnaphthalene	12.518	142	44770m	8.189	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	25378	8.735	ng	96
41) Hexachlorocyclopentadiene	12.659	237	12031	8.713	ng	89
43) 2,4,6-Trichlorophenol	12.911	196	16505	8.500	ng	97

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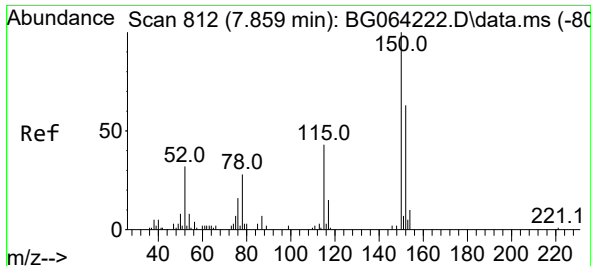
Manual Integrations
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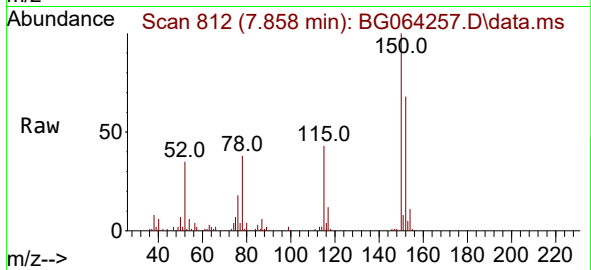
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.982	196	18310	8.693	ng	87
46) 1,1'-Biphenyl	13.317	154	65770	8.968	ng	96
47) 2-Chloronaphthalene	13.352	162	49796	9.032	ng	97
48) 2-Nitroaniline	13.552	65	16848	8.966	ng	92
49) Acenaphthylene	14.198	152	79130	9.709	ng	97
50) Dimethylphthalate	13.934	163	65819	8.636	ng	98
51) 2,6-Dinitrotoluene	14.051	165	12780	8.662	ng	95
52) Acenaphthene	14.545	154	49378	8.585	ng	94
53) 3-Nitroaniline	14.374	138	12695	8.214	ng	93
54) 2,4-Dinitrophenol	14.586	184	4669	10.153	ng	94
55) Dibenzofuran	14.880	168	78978	8.730	ng	99
56) 4-Nitrophenol	14.692	139	8513	6.715	ng	94
57) 2,4-Dinitrotoluene	14.838	165	18796	8.425	ng	93
58) Fluorene	15.526	166	65801	8.874	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.103	232	17439	8.608	ng	# 96
60) Diethylphthalate	15.303	149	69087	8.470	ng	99
61) 4-Chlorophenyl-phenyle...	15.526	204	33266	8.998	ng	92
62) 4-Nitroaniline	15.538	138	12327	7.816	ng	# 85
63) Azobenzene	15.814	77	63955	8.797	ng	94
65) 4,6-Dinitro-2-methylph...	15.596	198	9399	7.348	ng	95
66) n-Nitrosodiphenylamine	15.732	169	57155	9.325	ng	97
67) 4-Bromophenyl-phenylether	16.419	248	21529	9.098	ng	98
68) Hexachlorobenzene	16.531	284	23667	9.006	ng	# 92
69) Atrazine	16.683	200	21872	8.547	ng	95
70) Pentachlorophenol	16.877	266	12086	7.585	ng	96
71) Phenanthrene	17.259	178	105225	8.954	ng	97
72) Anthracene	17.353	178	106294	8.892	ng	98
73) Carbazole	17.618	167	93207	8.851	ng	98
74) Di-n-butylphthalate	18.187	149	114079	9.017	ng	99
75) Fluoranthene	19.269	202	118977	8.611	ng	97
77) Benzidine	19.451	184	49784	10.555	ng	96
78) Pyrene	19.633	202	127542	9.029	ng	98
80) Butylbenzylphthalate	20.532	149	51882	9.738	ng	96
81) Benzo(a)anthracene	21.431	228	129903	9.056	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	45502	9.740	ng	96
83) Chrysene	21.495	228	123591	8.975	ng	97
84) Bis(2-ethylhexyl)phtha...	21.360	149	75549	9.445	ng	93
85) Di-n-octyl phthalate	22.494	149	128095	9.191	ng	99
87) Indeno(1,2,3-cd)pyrene	27.835	276	145379	8.844	ng	# 95
88) Benzo(b)fluoranthene	23.505	252	121023	8.908	ng	# 97
89) Benzo(k)fluoranthene	23.569	252	124150	8.970	ng	95
90) Benzo(a)pyrene	24.316	252	119101	9.425	ng	99
91) Dibenzo(a,h)anthracene	27.894	278	117443	8.898	ng	97
92) Benzo(g,h,i)perylene	28.893	276	118686	9.241	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

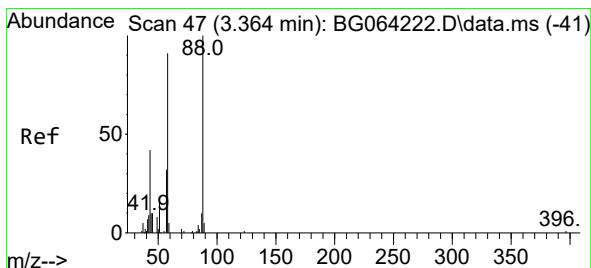
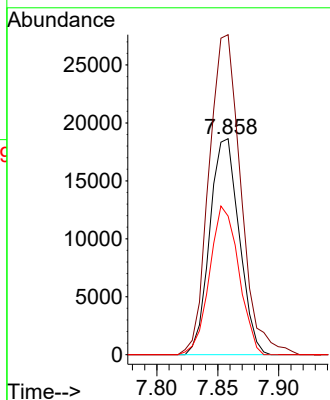
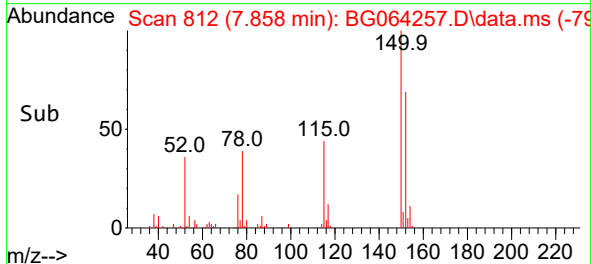
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 3131
Ion Ratio Lower Upper
152 100
150 148.1 128.0 192.0
115 64.2 55.7 83.5

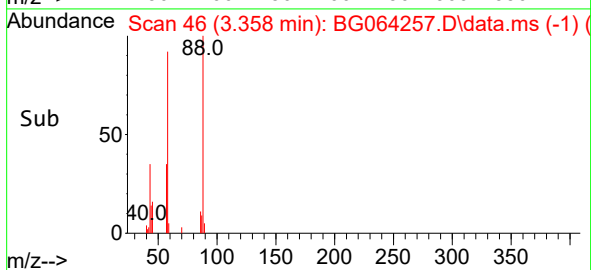
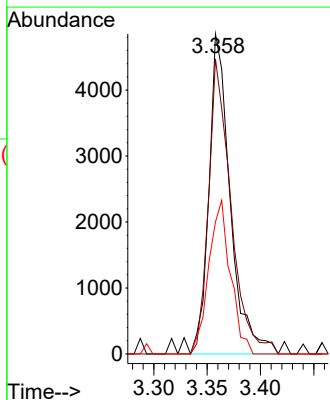
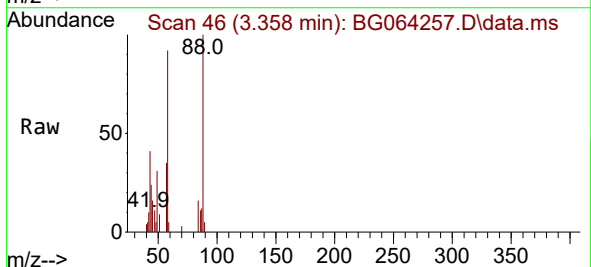
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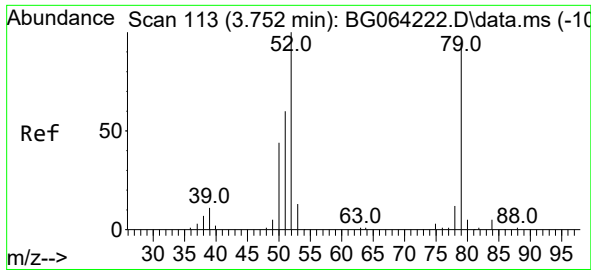
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#2
1,4-Dioxane
Concen: 9.387 ng
RT: 3.358 min Scan# 46
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

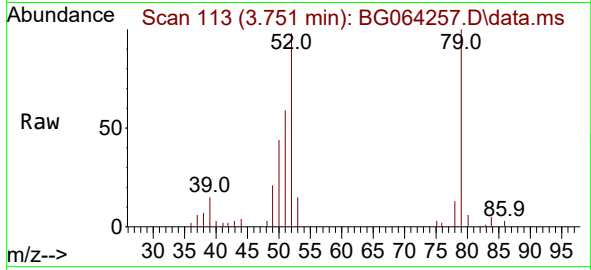
Tgt Ion: 88 Resp: 6829
Ion Ratio Lower Upper
88 100
58 95.5 80.8 121.2
43 48.3 40.3 60.5





#3
Pyridine
Concen: 8.412 ng
RT: 3.751 min Scan# 113
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

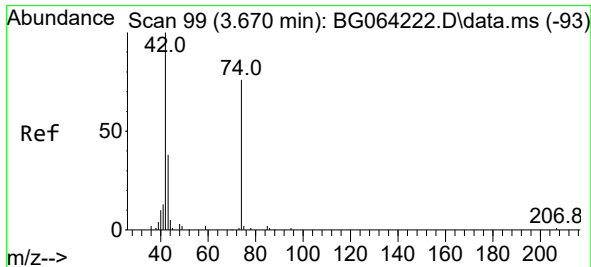
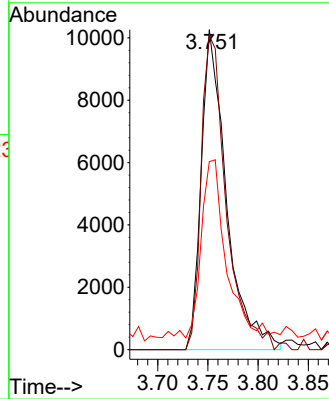
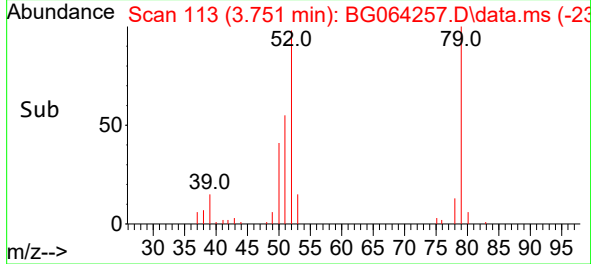
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



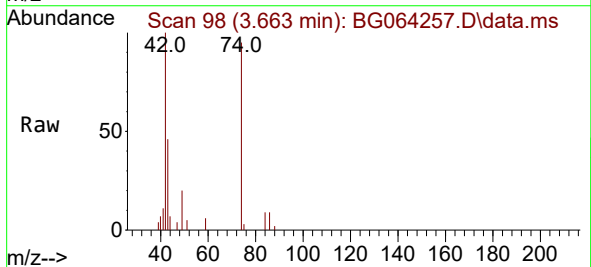
Tgt Ion: 79 Resp: 1801
Ion Ratio Lower Upper
79 100
52 98.1 86.6 129.8
51 58.7 114.1 171.1

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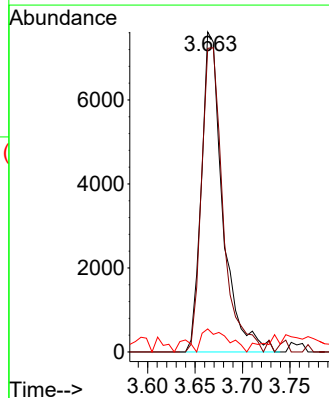
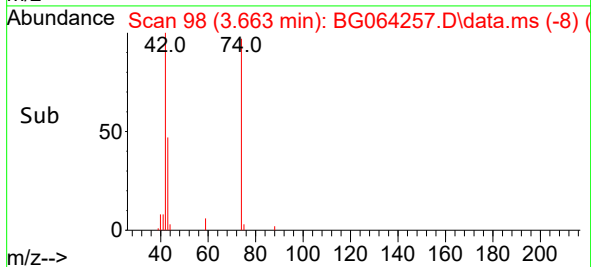
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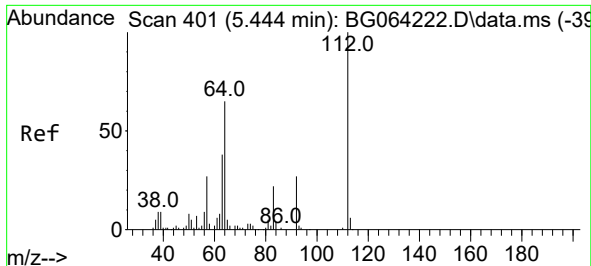


#4
n-Nitrosodimethylamine
Concen: 8.403 ng
RT: 3.663 min Scan# 98
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



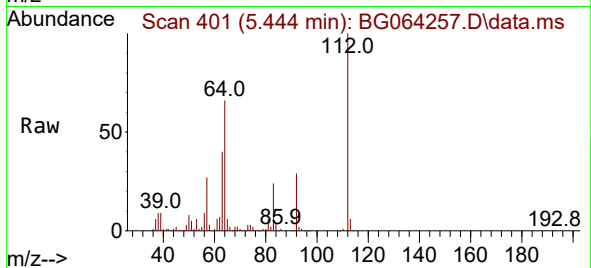
Tgt Ion: 42 Resp: 11903
Ion Ratio Lower Upper
42 100
74 94.9 58.0 87.0
44 7.2 5.5 8.3





#5
2-Fluorophenol
Concen: 140.610 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

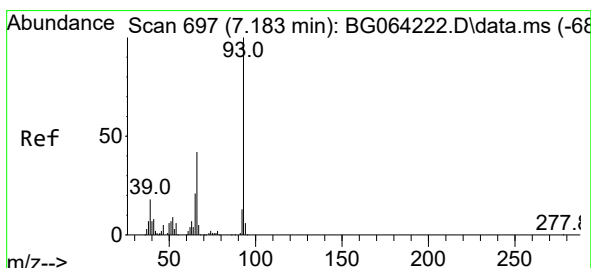
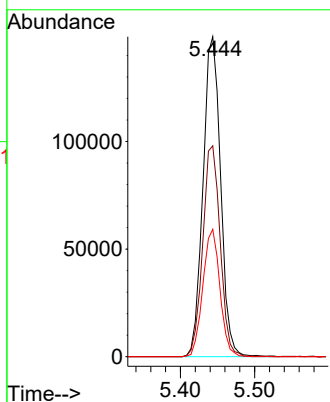
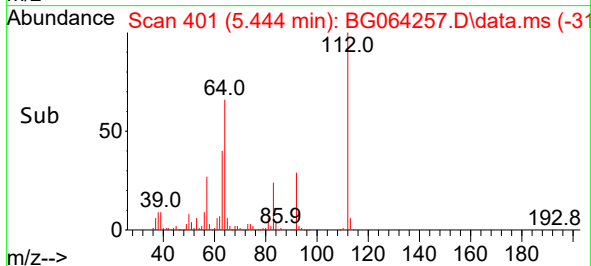
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LOD-MDL-SOIL-03-QT2-2025



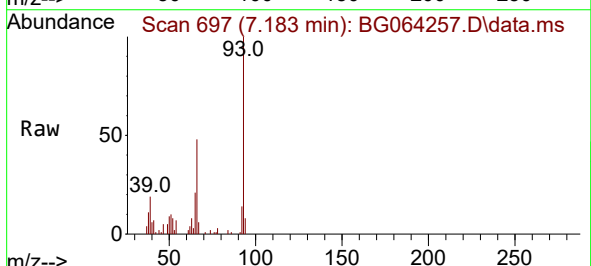
Tgt Ion:112 Resp: 245428
Ion Ratio Lower Upper
112 100
64 65.9 51.8 77.6
63 39.8 30.6 45.8

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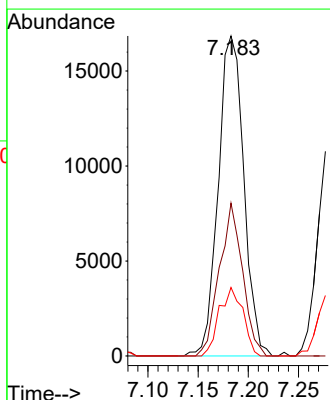
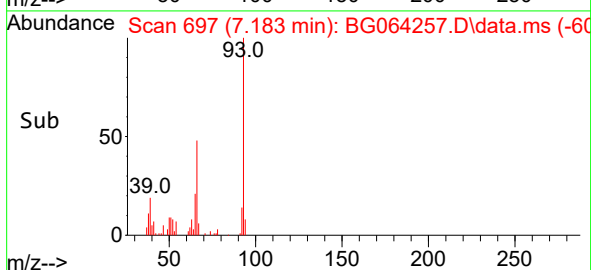
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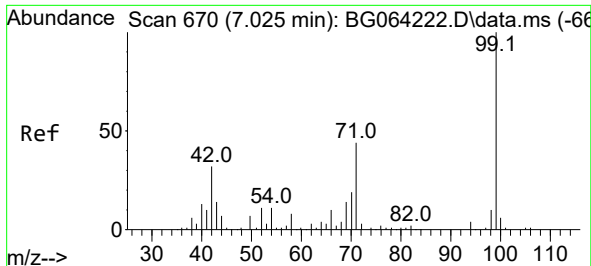


#6
Aniline
Concen: 8.997 ng
RT: 7.183 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



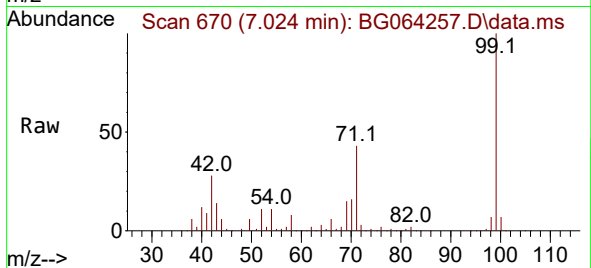
Tgt Ion: 93 Resp: 29835
Ion Ratio Lower Upper
93 100
66 47.7 33.8 50.8
65 21.4 16.9 25.3





#7
Phenol-d6
Concen: 148.918 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

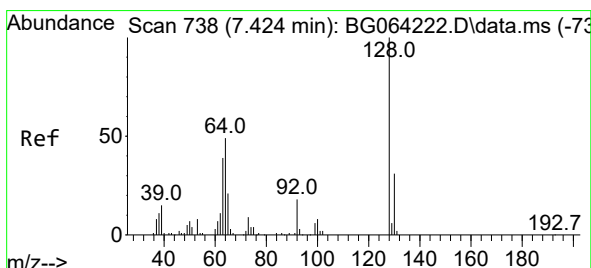
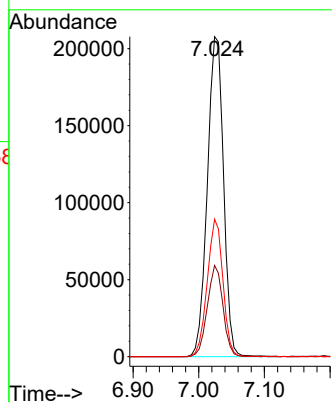
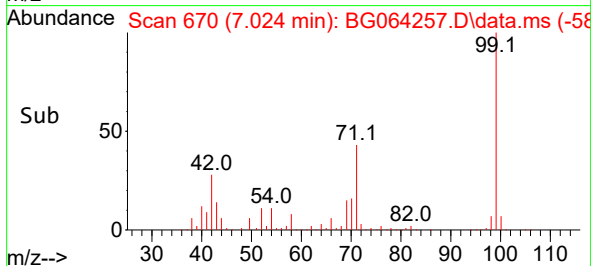
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 99 Resp: 35709
Ion Ratio Lower Upper
99 100
42 28.5 25.8 38.8
71 43.0 35.2 52.8

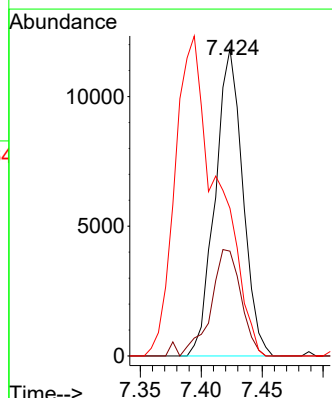
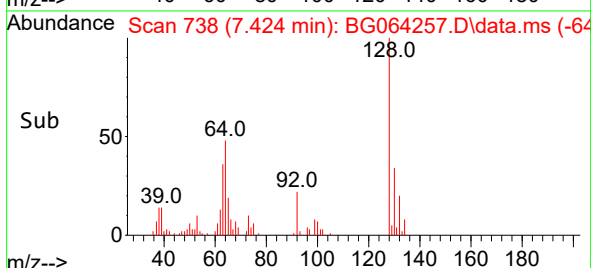
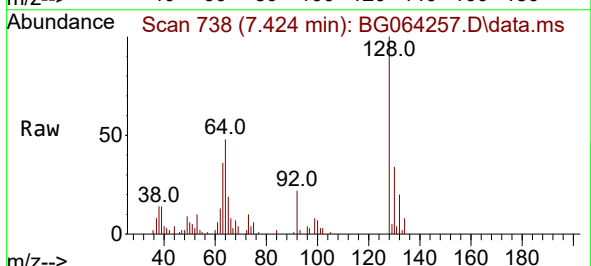
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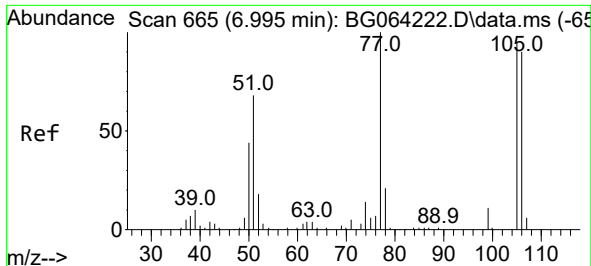
Reviewed By :Rahul Chavli 09/04/2025
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#8
2-Chlorophenol
Concen: 8.753 ng
RT: 7.424 min Scan# 738
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

Tgt Ion:128 Resp: 18670
Ion Ratio Lower Upper
128 100
130 34.1 10.9 50.9
64 48.1 28.7 68.7





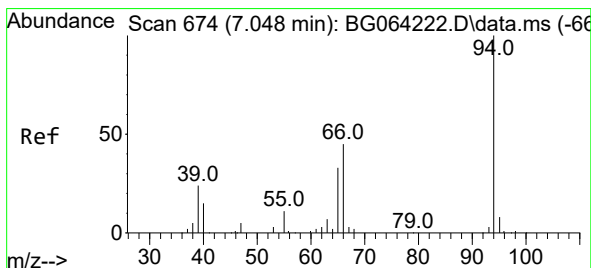
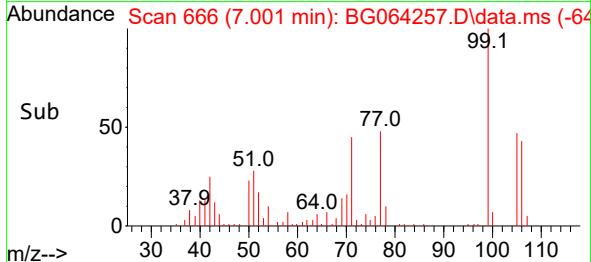
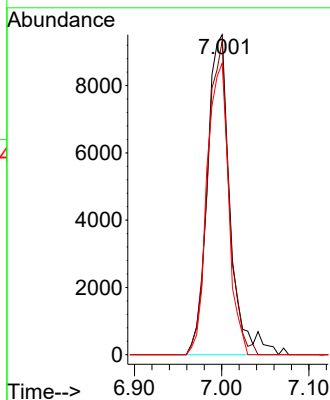
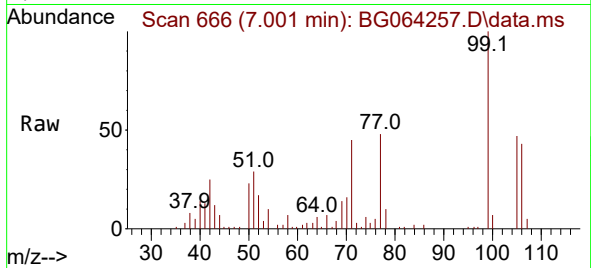
#9
Benzaldehyde
Concen: 8.718 ng m
RT: 7.001 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 17204
Ion Ratio Lower Upper
77 100
105 97.9 75.2 115.2
106 91.1 69.6 109.6

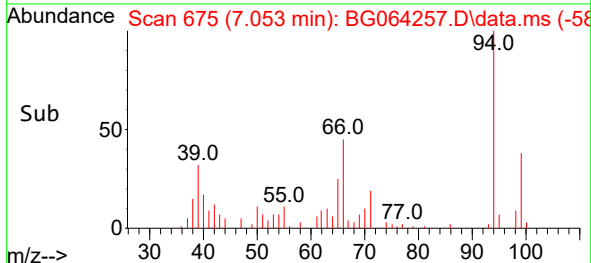
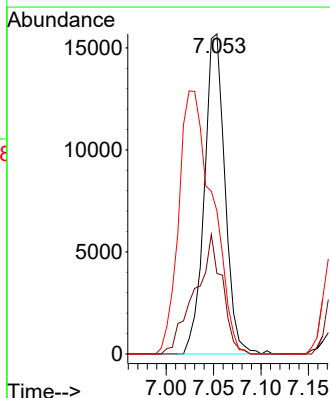
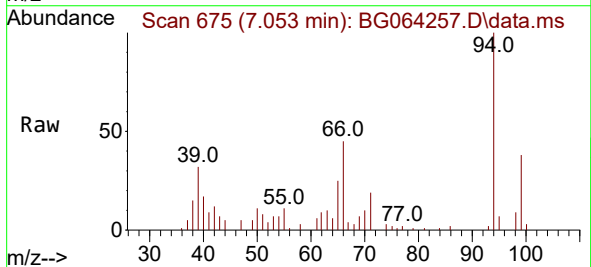
Manual Integrations
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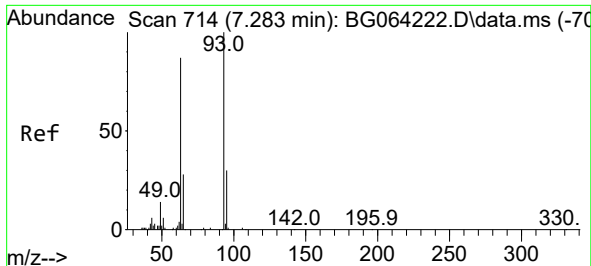
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#10
Phenol
Concen: 8.970 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

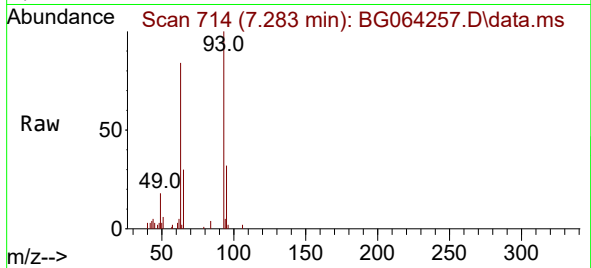
Tgt Ion: 94 Resp: 23714
Ion Ratio Lower Upper
94 100
65 25.1 13.5 53.5
66 44.7 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 8.898 ng
RT: 7.283 min Scan# 714
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

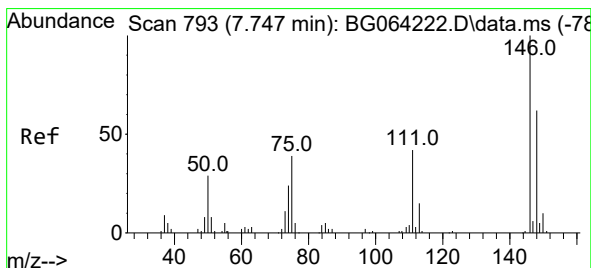
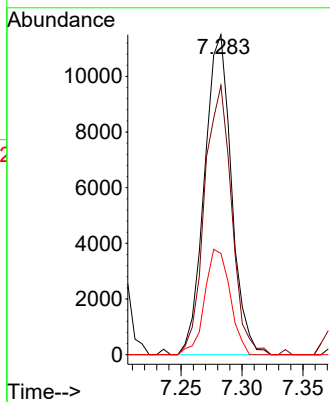
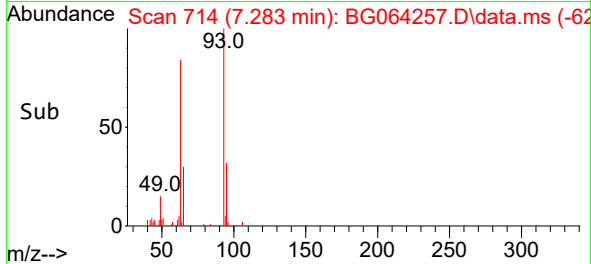
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



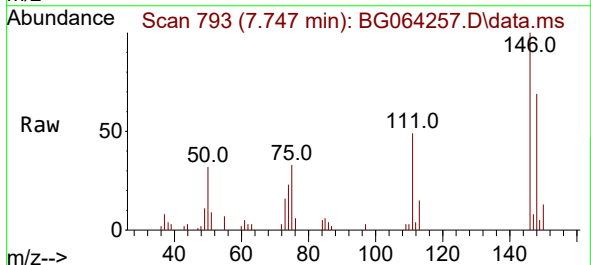
Tgt Ion: 93 Resp: 17678
Ion Ratio Lower Upper
93 100
63 84.1 66.2 106.2
95 31.6 9.8 49.8

Manual Integrations
APPROVED

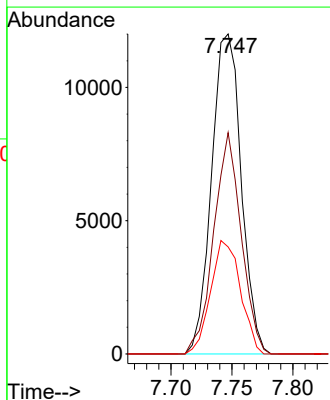
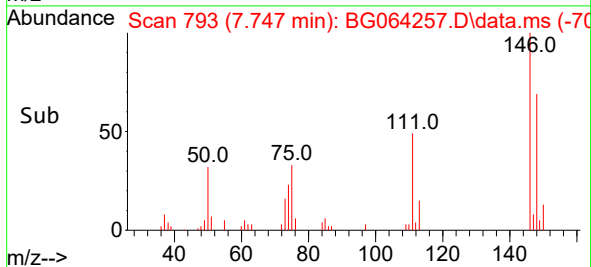
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

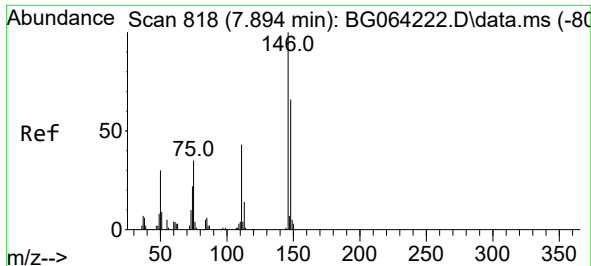


#12
1,3-Dichlorobenzene
Concen: 8.958 ng
RT: 7.747 min Scan# 793
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion:146 Resp: 20327
Ion Ratio Lower Upper
146 100
148 69.1 49.6 74.4
75 33.4 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 9.100 ng

RT: 7.894 min Scan# 818

Delta R.T. -0.001 min

Lab File: BG064257.D

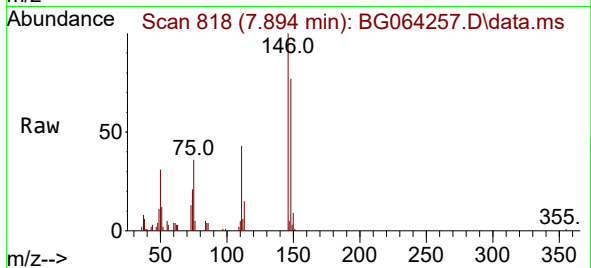
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:146 Resp: 20840

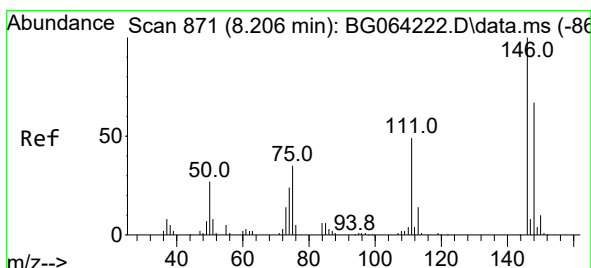
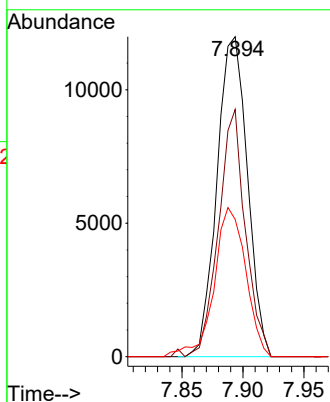
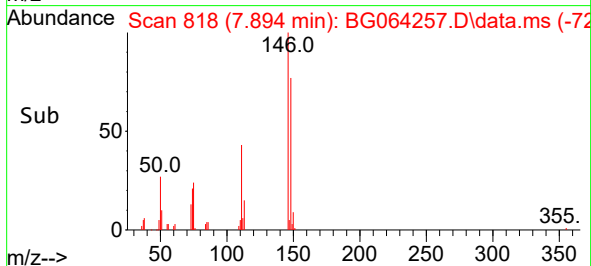
Ion	Ratio	Lower	Upper
146	100		
148	77.3	52.8	79.2
111	42.9	34.1	51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#14

1,2-Dichlorobenzene

Concen: 9.201 ng

RT: 8.205 min Scan# 871

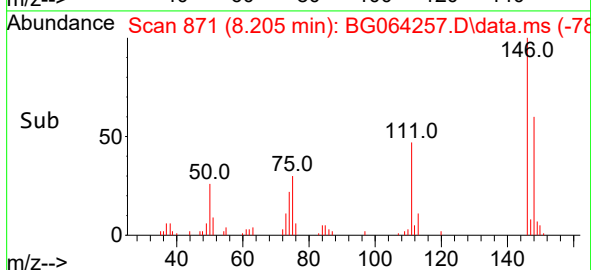
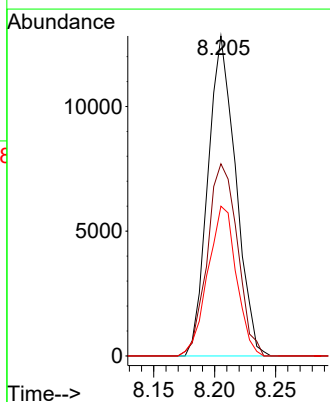
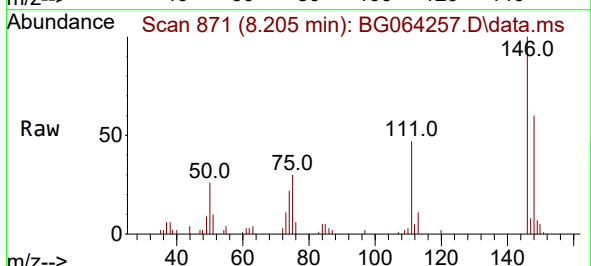
Delta R.T. -0.007 min

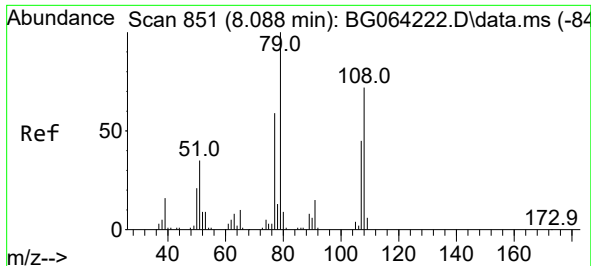
Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Tgt Ion:146 Resp: 20336

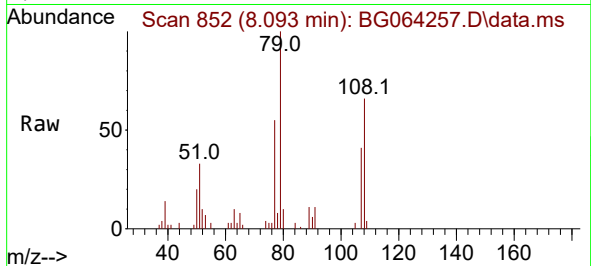
Ion	Ratio	Lower	Upper
146	100		
148	60.0	53.4	80.0
111	46.8	39.1	58.7





#15
Benzyl Alcohol
Concen: 8.430 ng
RT: 8.093 min Scan# 801
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

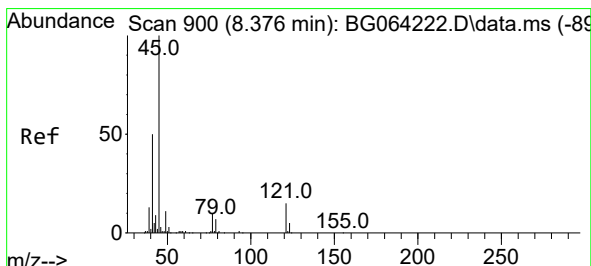
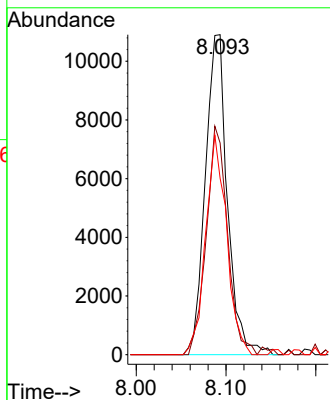
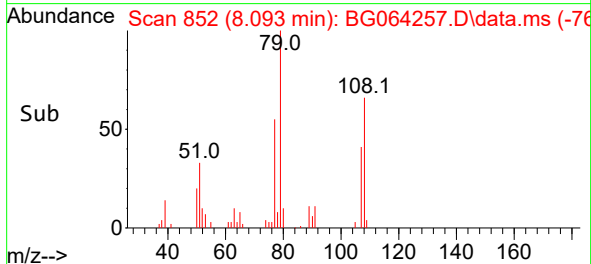
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



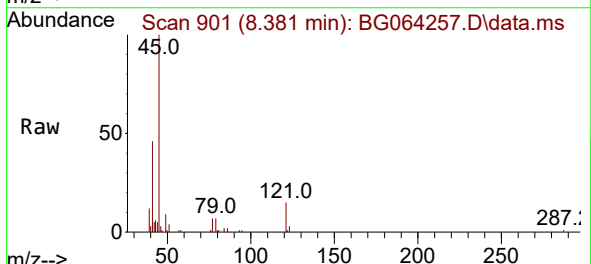
Tgt Ion: 79 Resp: 1865
Ion Ratio Lower Upper
79 100
108 66.1 57.4 86.0
77 55.1 47.2 70.8

Manual Integrations
APPROVED

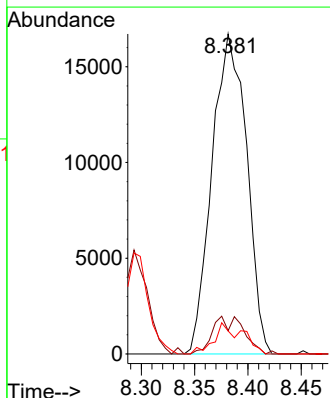
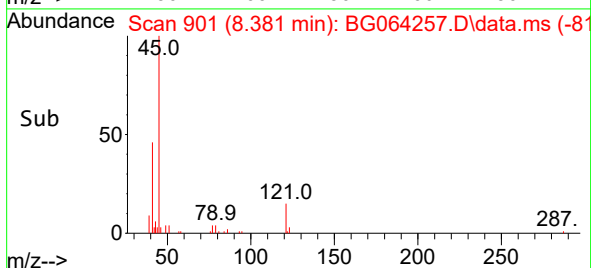
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

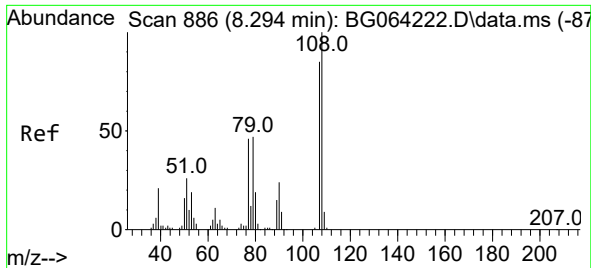


#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.317 ng
RT: 8.381 min Scan# 901
Delta R.T. 0.005 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



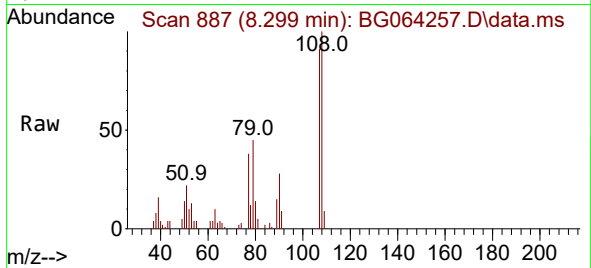
Tgt Ion: 45 Resp: 37723
Ion Ratio Lower Upper
45 100
77 7.2 0.0 30.0
79 7.2 0.0 27.9





#17
2-Methylphenol
Concen: 8.529 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

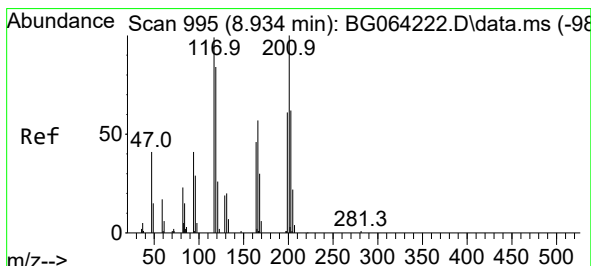
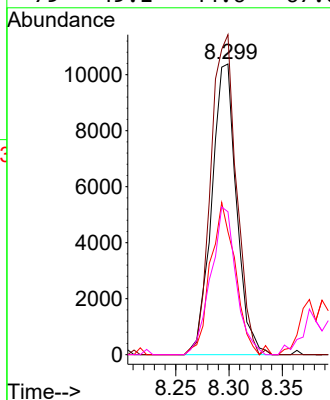
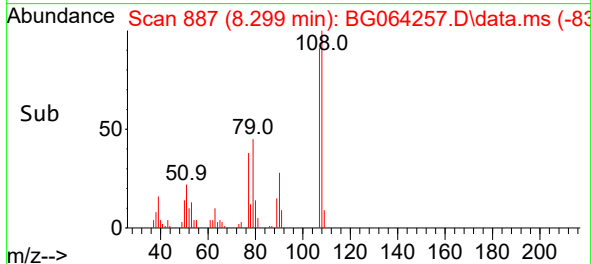
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:107 Resp: 16800
Ion Ratio Lower Upper
107 100
108 110.1 94.6 141.8
77 42.2 43.7 65.5
79 49.1 44.6 67.0

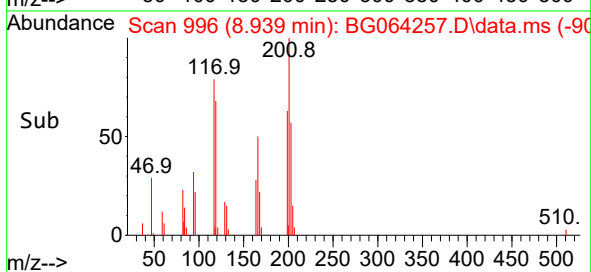
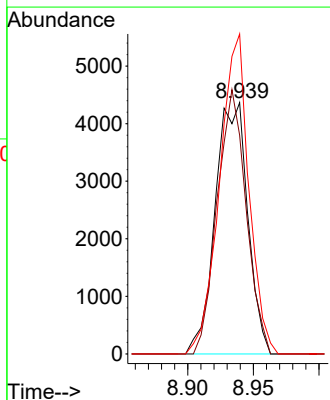
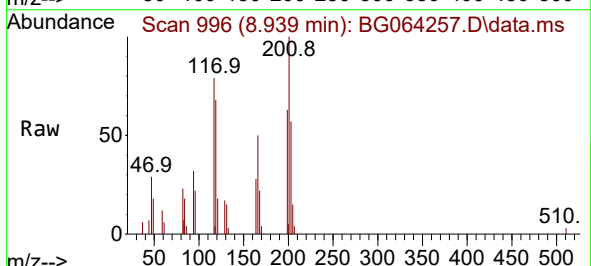
Manual Integrations
APPROVED

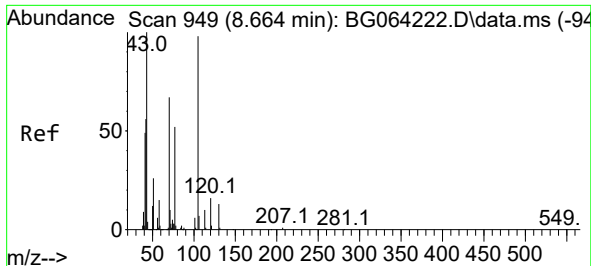
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#18
Hexachloroethane
Concen: 8.424 ng
RT: 8.939 min Scan# 996
Delta R.T. 0.005 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

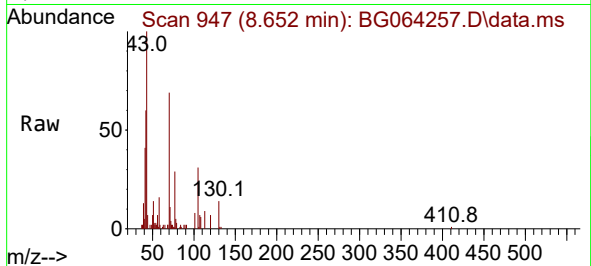
Tgt Ion:117 Resp: 7530
Ion Ratio Lower Upper
117 100
119 87.0 67.9 101.9
201 127.3 80.5 120.7#





#19
n-Nitroso-di-n-propylamine
Concen: 9.084 ng
RT: 8.652 min Scan# 947
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

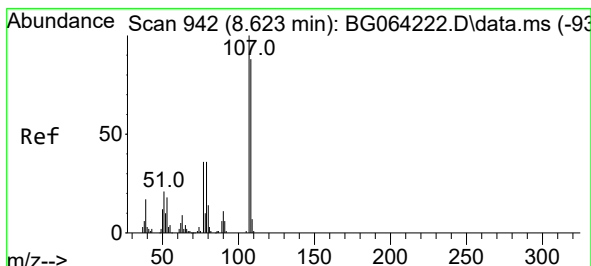
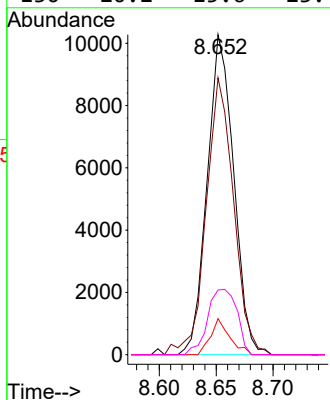
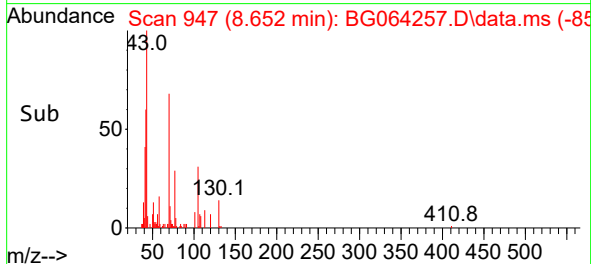
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 70 Resp: 1667
Ion Ratio Lower Upper
70 100
42 86.5 67.9 101.9
101 11.3 7.3 10.9
130 20.2 15.6 23.4

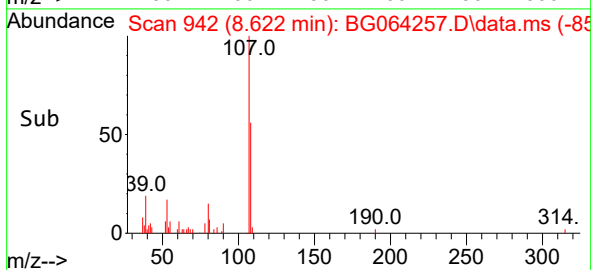
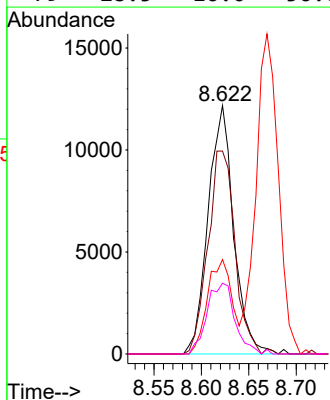
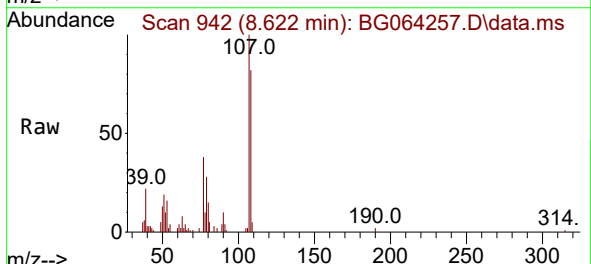
Manual Integrations
APPROVED

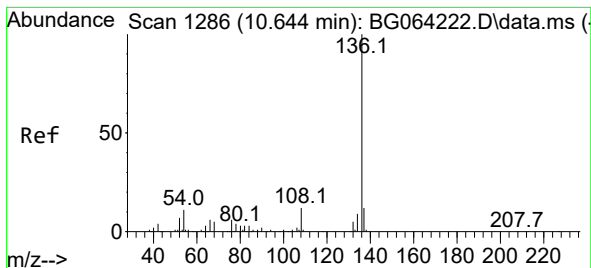
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#20
3+4-Methylphenols
Concen: 8.311 ng
RT: 8.622 min Scan# 942
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

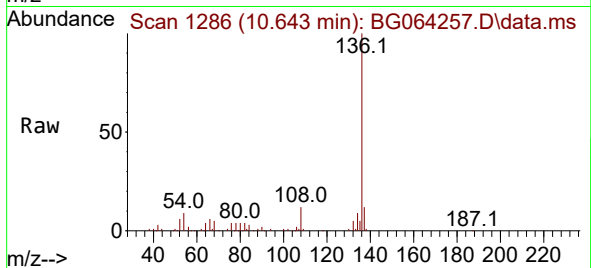
Tgt Ion:107 Resp: 22755
Ion Ratio Lower Upper
107 100
108 81.7 68.1 108.1
77 38.0 15.9 55.9
79 28.5 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

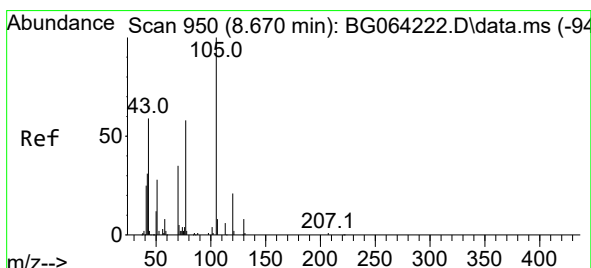
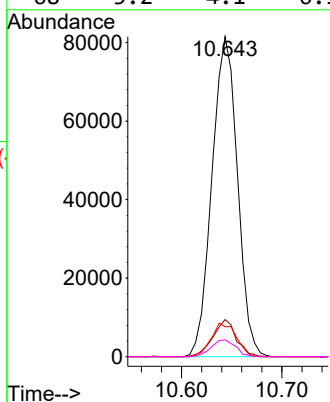
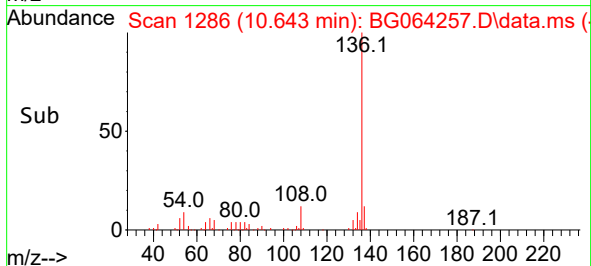
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 14359
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 9.4 8.8 13.2
68 5.2 4.1 6.1

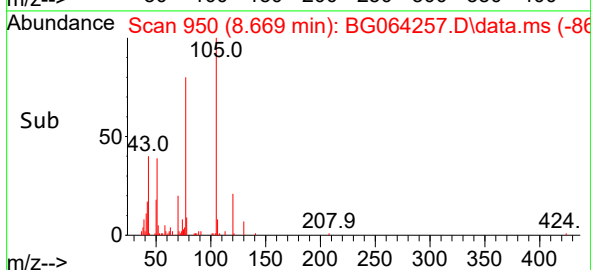
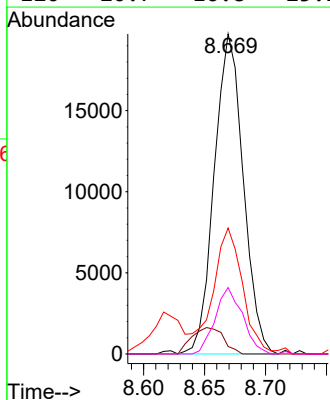
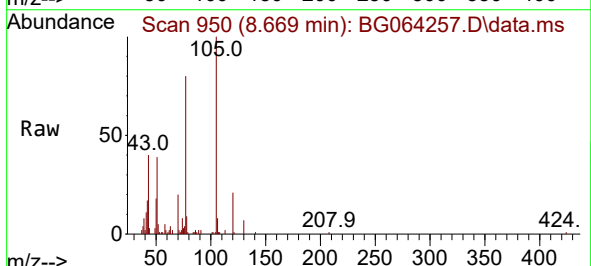
Manual Integrations
APPROVED

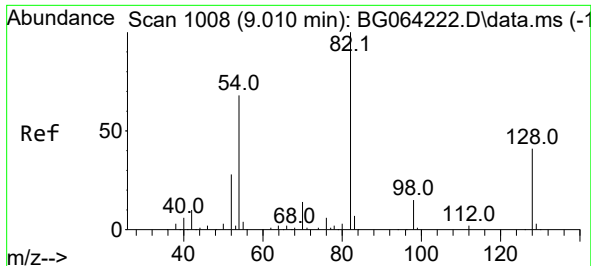
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#22
Acetophenone
Concen: 8.983 ng
RT: 8.669 min Scan# 950
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

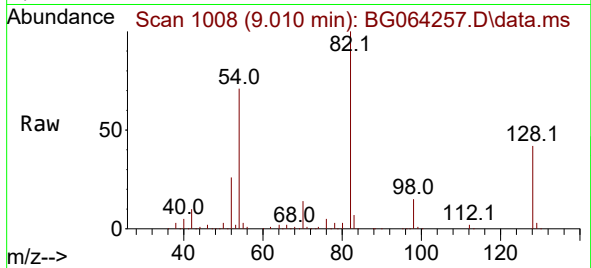
Tgt Ion:105 Resp: 32634
Ion Ratio Lower Upper
105 100
71 2.3 4.3 6.5#
51 39.3 32.4 48.6
120 20.7 16.8 25.2





#23
Nitrobenzene-d5
Concen: 101.047 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

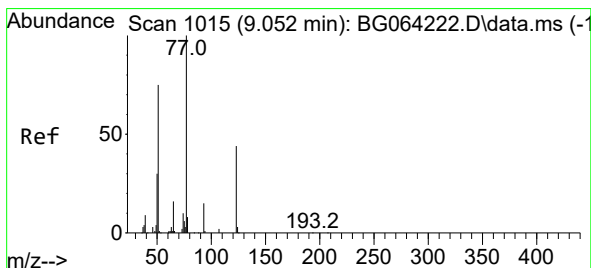
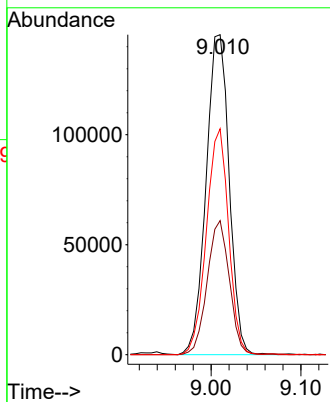
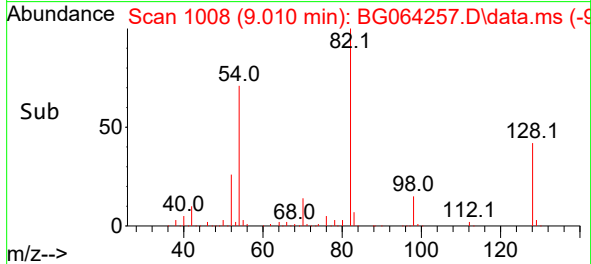
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 82 Resp: 26016
Ion Ratio Lower Upper
82 100
128 41.9 32.6 48.8
54 70.6 54.7 82.1

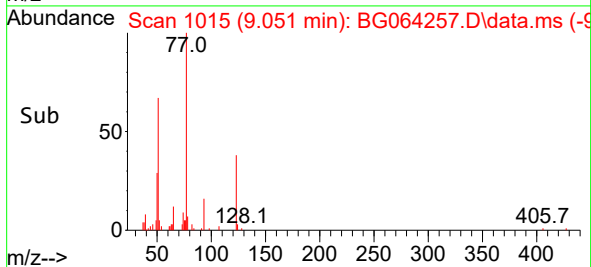
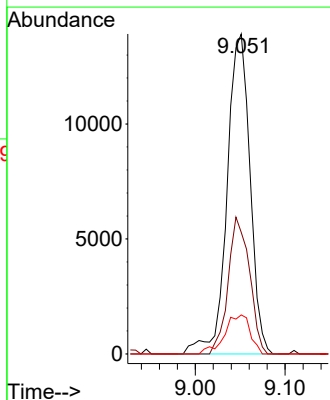
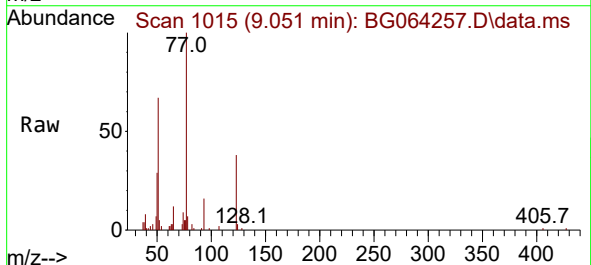
Manual Integrations
APPROVED

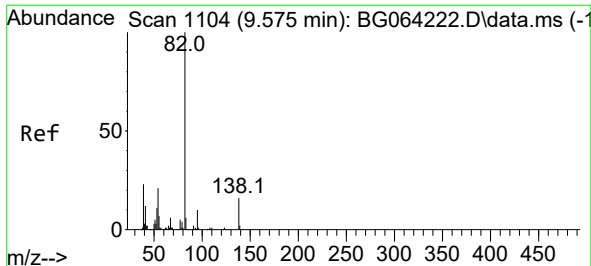
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#24
Nitrobenzene
Concen: 9.188 ng
RT: 9.051 min Scan# 1015
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

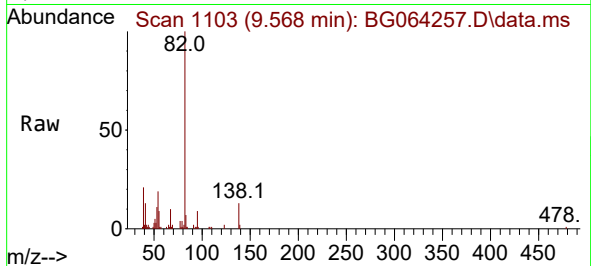
Tgt Ion: 77 Resp: 24716
Ion Ratio Lower Upper
77 100
123 38.0 35.2 52.8
65 12.2 12.6 19.0#





#25
Isophorone
Concen: 8.847 ng
RT: 9.568 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

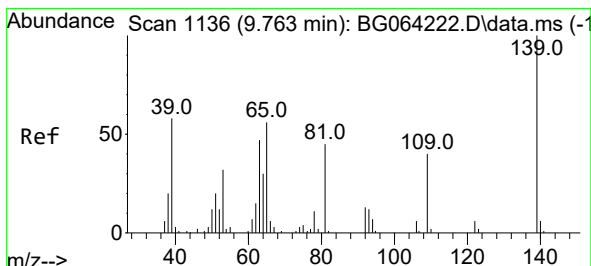
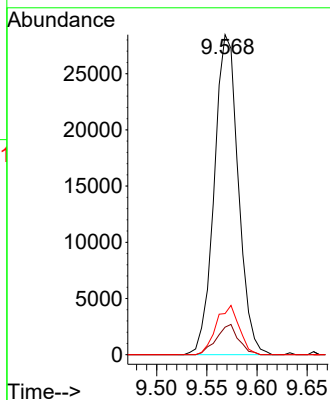
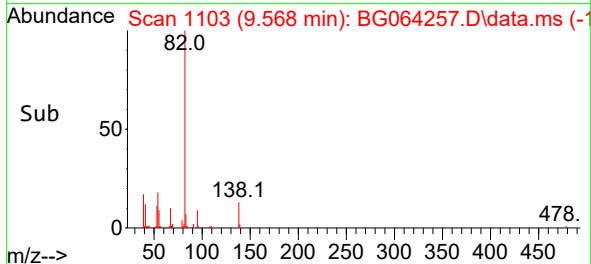
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 82 Resp: 4734
Ion Ratio Lower Upper
82 100
95 8.6 7.9 11.9
138 12.9 13.0 19.4

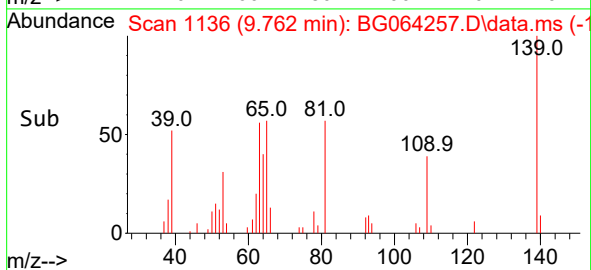
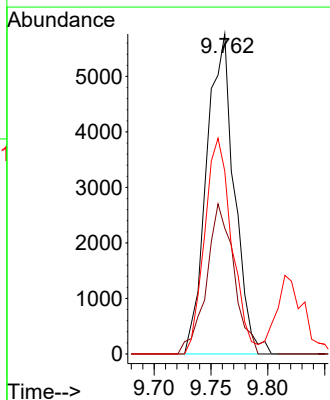
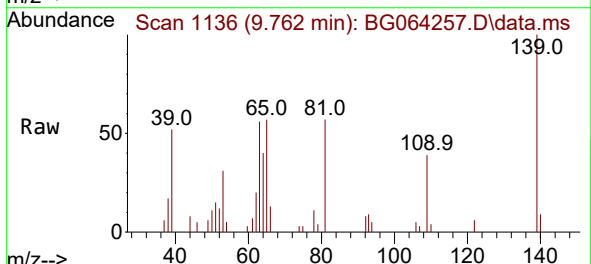
Manual Integrations
APPROVED

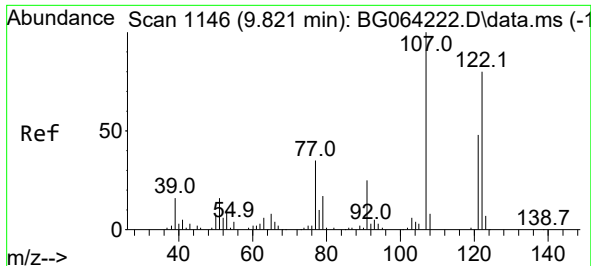
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#26
2-Nitrophenol
Concen: 8.439 ng
RT: 9.762 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

Tgt Ion:139 Resp: 9809
Ion Ratio Lower Upper
139 100
109 39.3 32.4 48.6
65 57.2 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 8.463 ng

RT: 9.821 min Scan# 1146

Delta R.T. -0.007 min

Lab File: BG064257.D

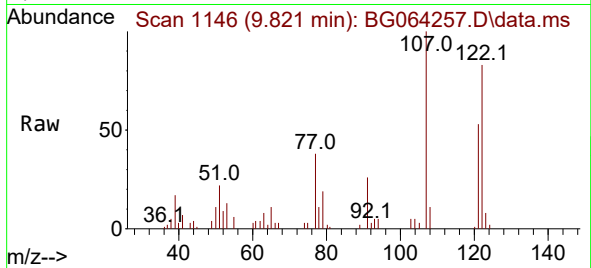
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



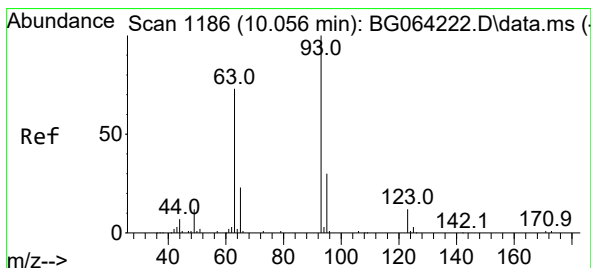
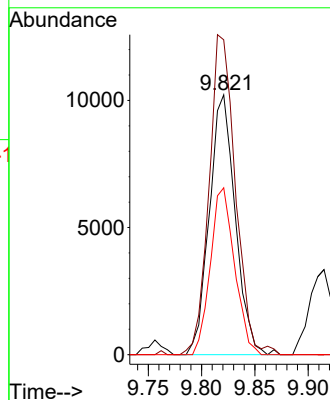
Tgt Ion:	122	Resp:	1727
Ion	Ratio	Lower	Upper
122	100		
107	121.2	99.9	149.9
121	64.2	48.6	72.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 8.974 ng

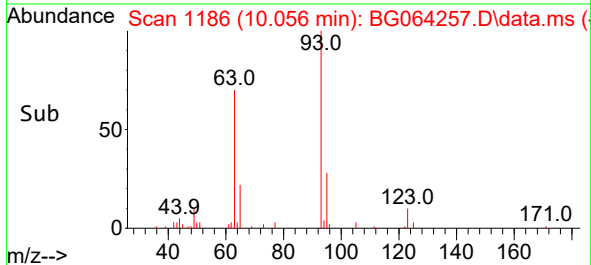
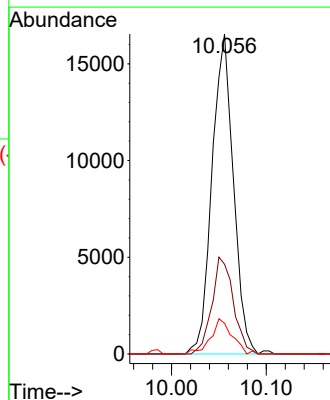
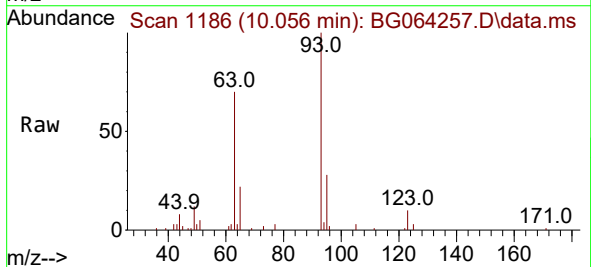
RT: 10.056 min Scan# 1186

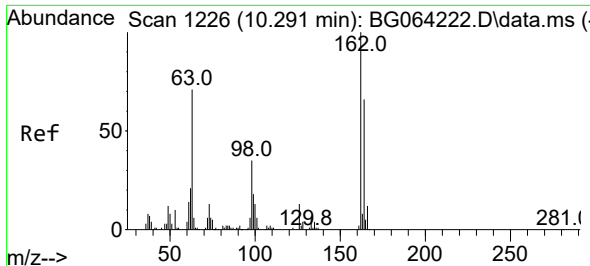
Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Tgt Ion:	93	Resp:	25894
Ion	Ratio	Lower	Upper
93	100		
95	28.0	23.9	35.9
123	9.6	9.6	14.4





#29

2,4-Dichlorophenol

Concen: 8.286 ng

RT: 10.291 min Scan# 1226

Delta R.T. -0.007 min

Lab File: BG064257.D

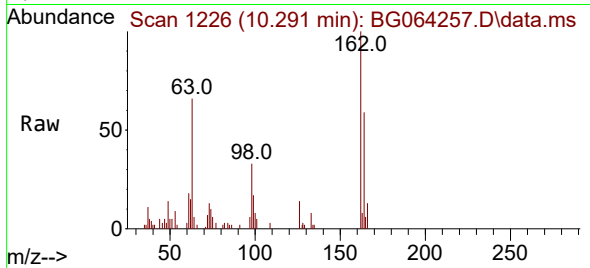
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



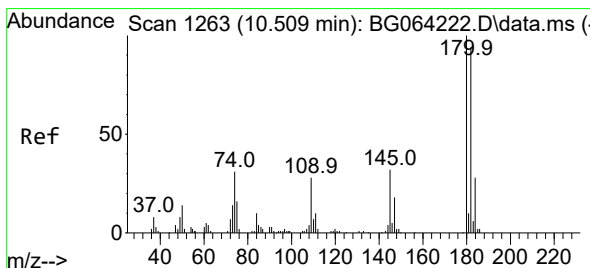
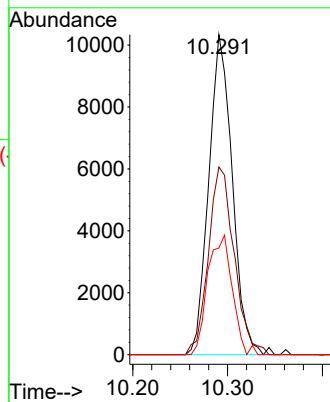
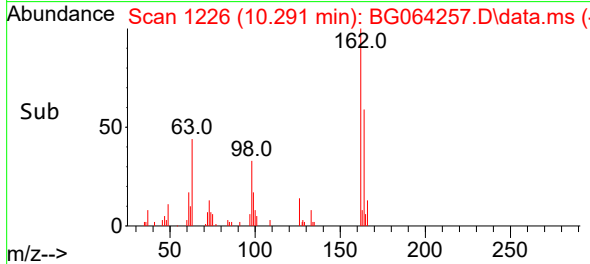
Tgt Ion:	162	Resp:	1784
Ion Ratio	Lower	Upper	
162	100		
164	58.6	45.8	85.8
98	33.4	15.2	55.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 9.195 ng

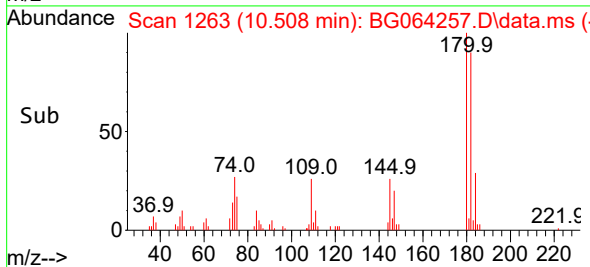
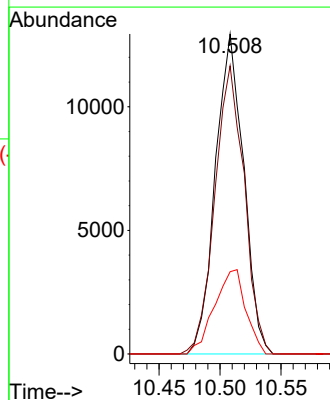
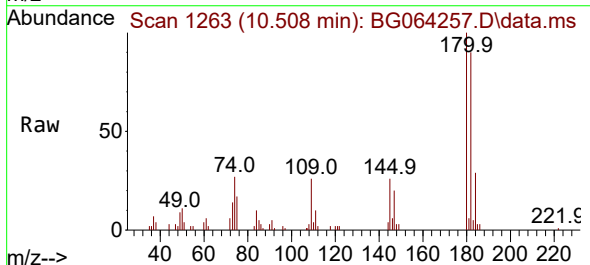
RT: 10.508 min Scan# 1263

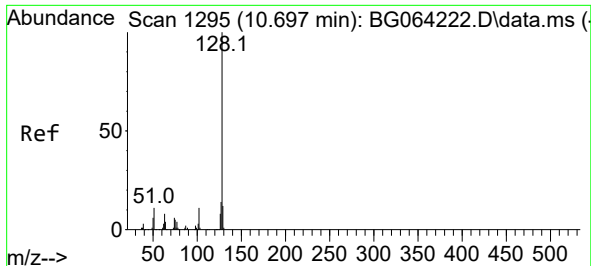
Delta R.T. -0.001 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

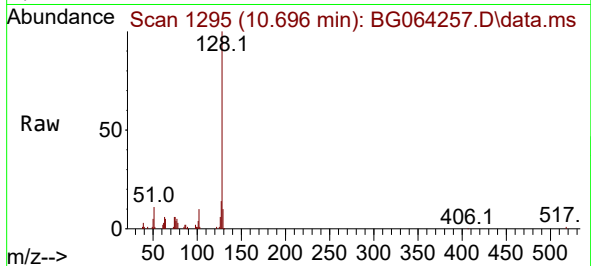
Tgt Ion:	180	Resp:	20877
Ion Ratio	Lower	Upper	
180	100		
182	90.1	75.0	112.6
145	25.7	25.4	38.0





#31
Naphthalene
Concen: 8.581 ng
RT: 10.696 min Scan# 1162
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

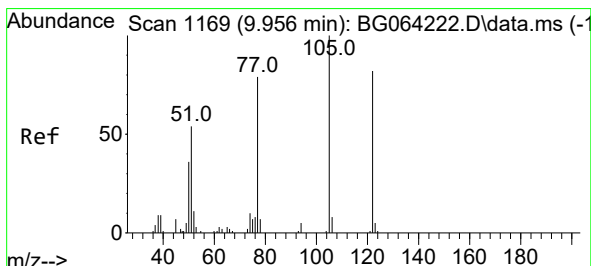
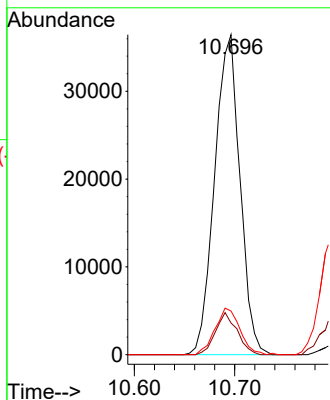
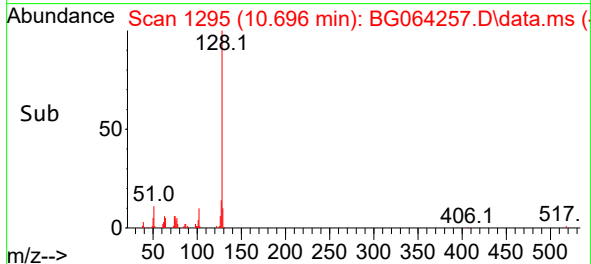
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 6389
Ion Ratio Lower Upper
128 100
129 9.9 9.4 14.2
127 13.6 10.9 16.3

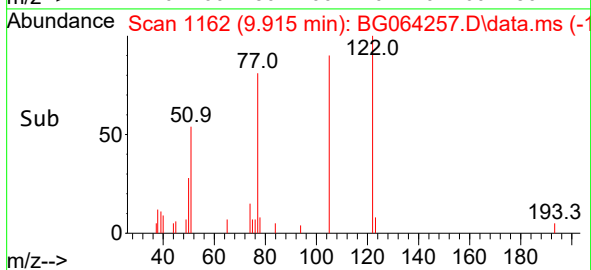
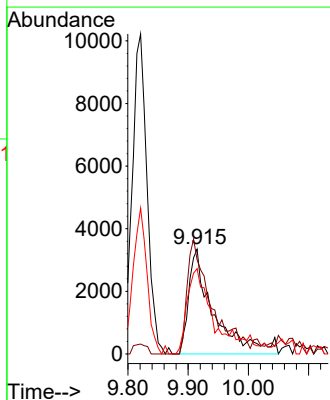
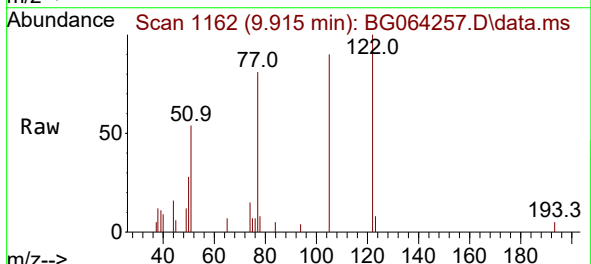
Manual Integrations
APPROVED

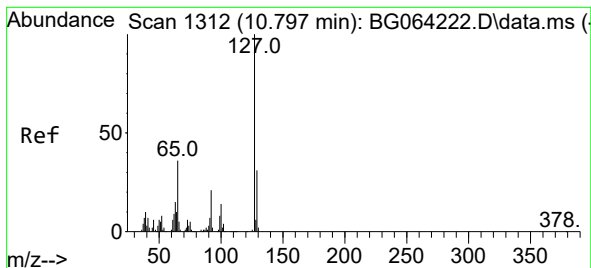
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#32
Benzoic acid
Concen: 5.995 ng m
RT: 9.915 min Scan# 1162
Delta R.T. -0.101 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

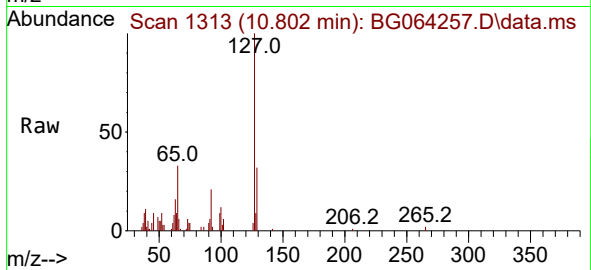
Tgt Ion:122 Resp: 9712
Ion Ratio Lower Upper
122 100
105 90.0 98.5 138.5#
77 81.5 74.6 114.6





#33
4-Chloroaniline
Concen: 9.197 ng
RT: 10.802 min Scan# 1312
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

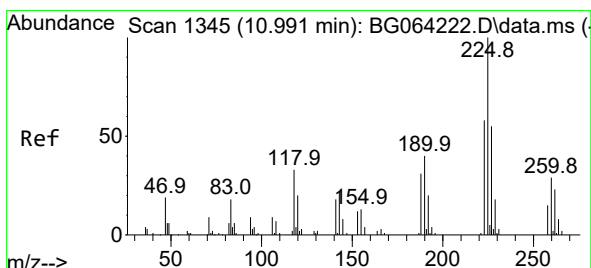
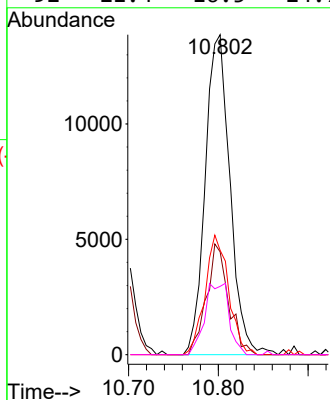
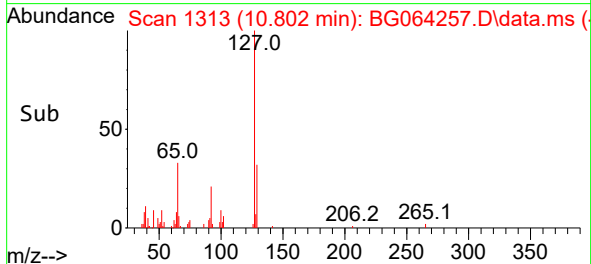
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



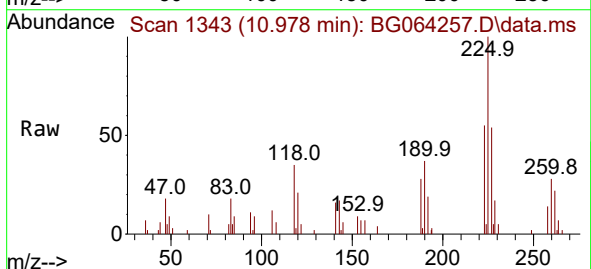
Tgt Ion:127 Resp: 2654
Ion Ratio Lower Upper
127 100
129 32.2 25.0 37.4
65 32.6 28.7 43.1
92 21.4 16.5 24.7

Manual Integrations
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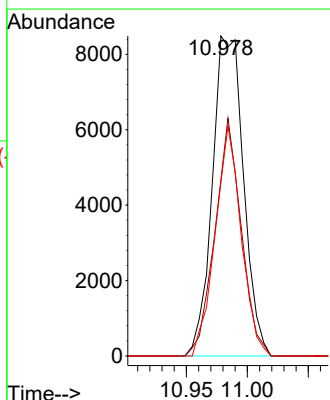
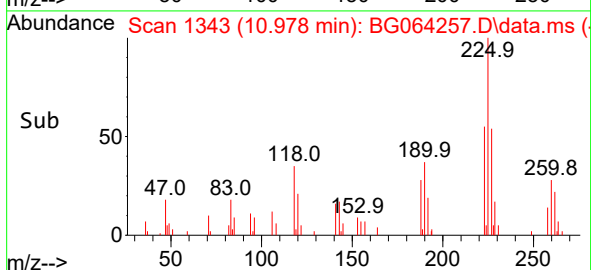
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

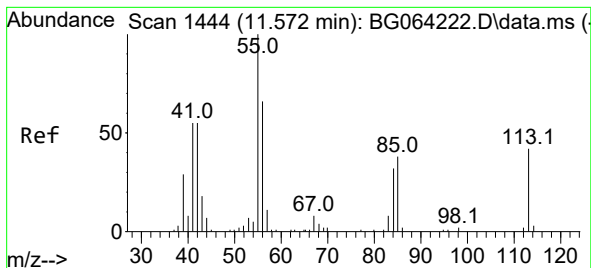


#34
Hexachlorobutadiene
Concen: 8.991 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



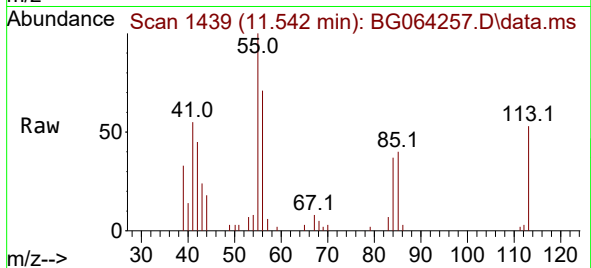
Tgt Ion:225 Resp: 15090
Ion Ratio Lower Upper
225 100
223 55.1 46.5 69.7
227 54.4 44.1 66.1





#35
 Caprolactam
 Concen: 8.138 ng
 RT: 11.542 min Scan# 1444
 Delta R.T. -0.059 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

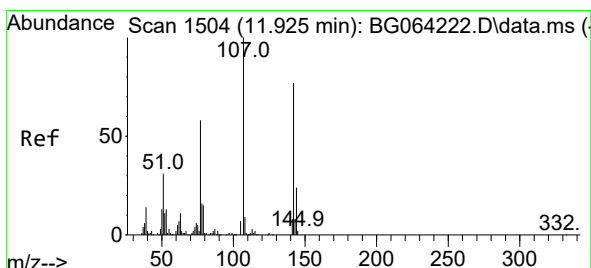
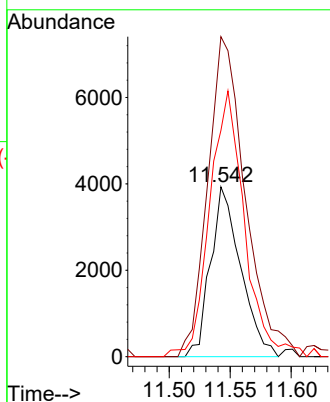
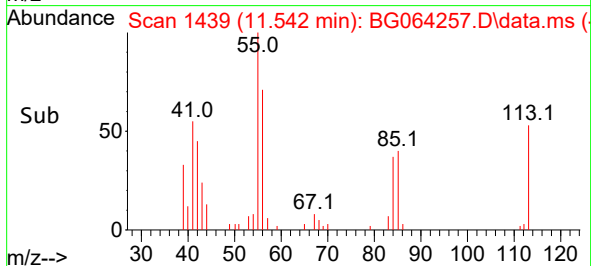
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:113 Resp: 6785
 Ion Ratio Lower Upper
 113 100
 55 188.5 218.5 258.5
 56 133.3 138.5 178.5

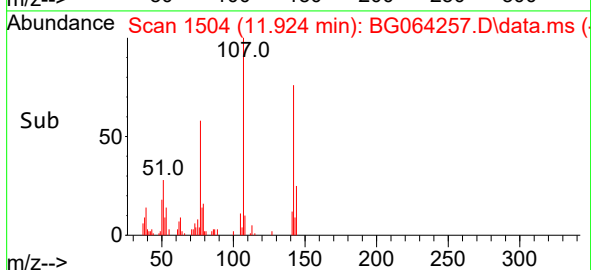
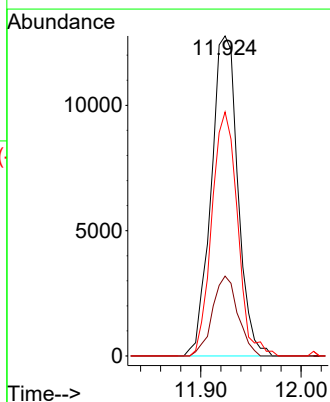
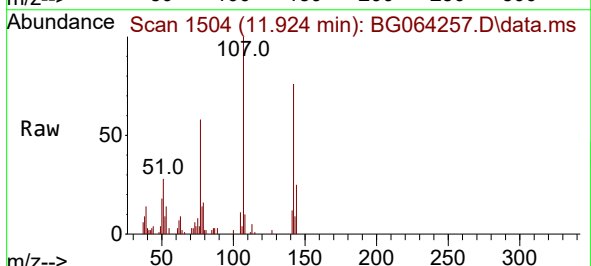
Manual Integrations
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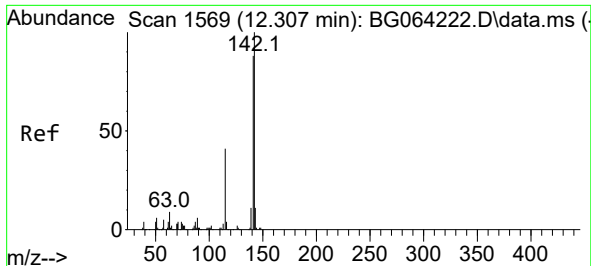
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025



#36
 4-Chloro-3-methylphenol
 Concen: 8.471 ng
 RT: 11.924 min Scan# 1504
 Delta R.T. -0.007 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

Tgt Ion:107 Resp: 23666
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.5 29.3
 142 76.3 62.0 93.0





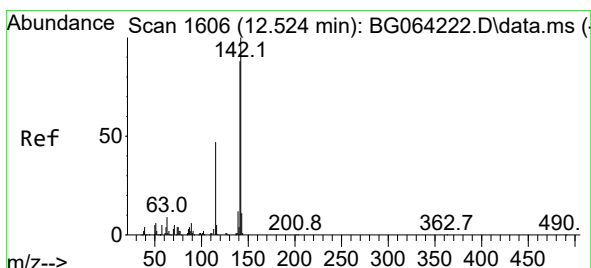
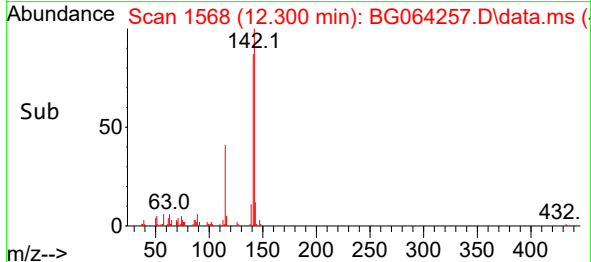
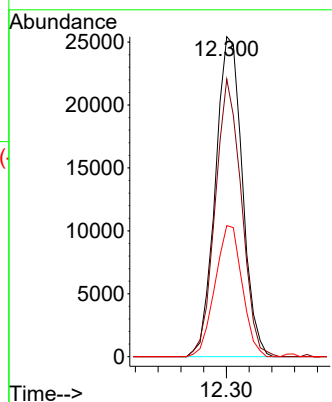
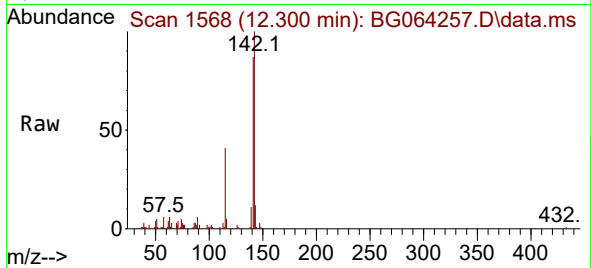
#37
2-Methylnaphthalene
Concen: 7.557 ng
RT: 12.300 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:142 Resp: 4182
Ion Ratio Lower Upper
142 100
141 86.8 70.1 105.1
115 40.9 33.1 49.7

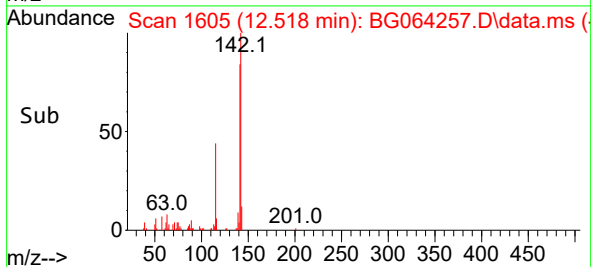
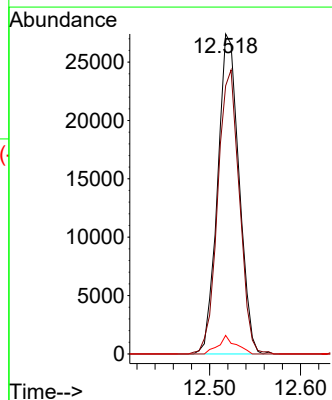
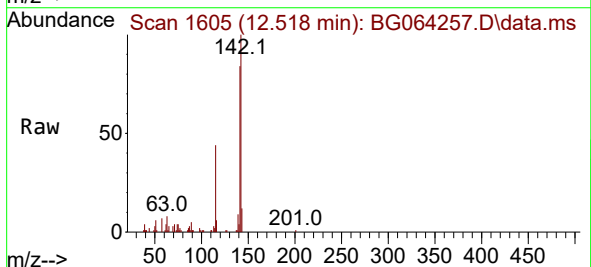
Manual Integrations
APPROVED

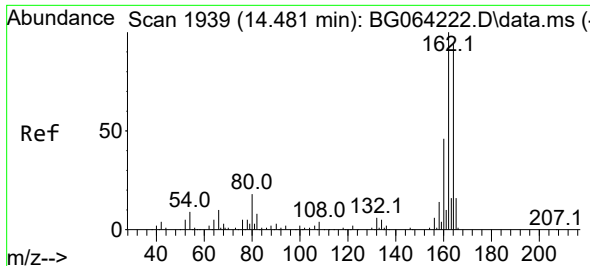
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#38
1-Methylnaphthalene
Concen: 8.189 ng m
RT: 12.518 min Scan# 1605
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

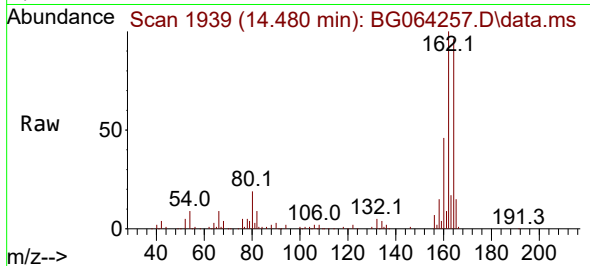
Tgt Ion:142 Resp: 44770
Ion Ratio Lower Upper
142 100
141 83.8 70.3 105.5
116 5.8 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

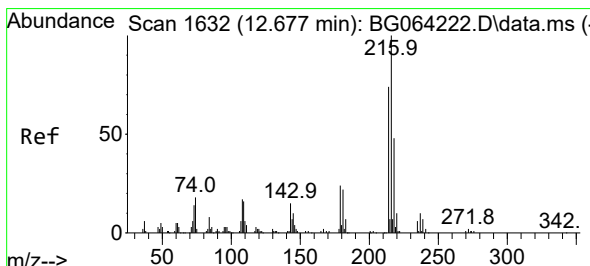
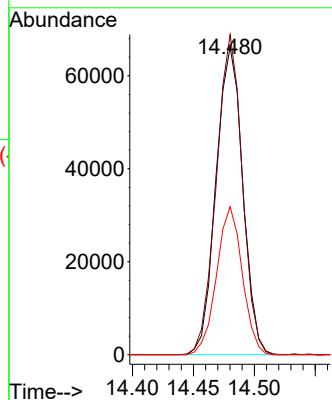
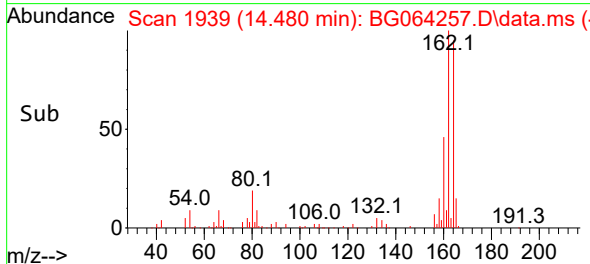
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:164 Resp: 100689
Ion Ratio Lower Upper
164 100
162 104.0 85.4 128.0
160 48.1 39.2 58.8

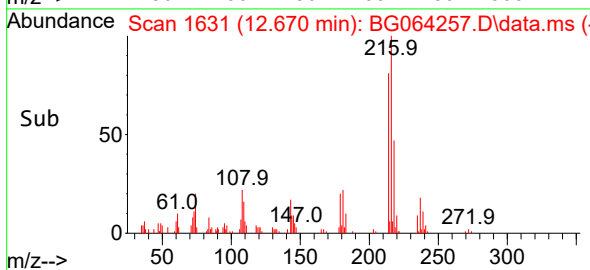
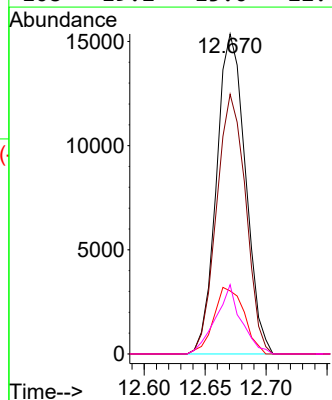
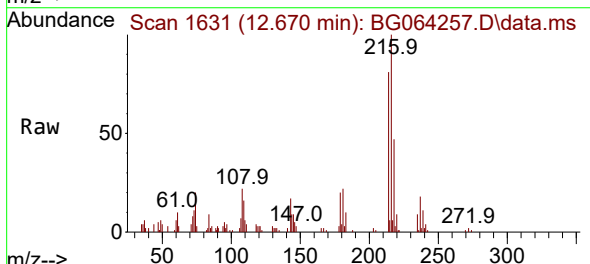
Manual Integrations
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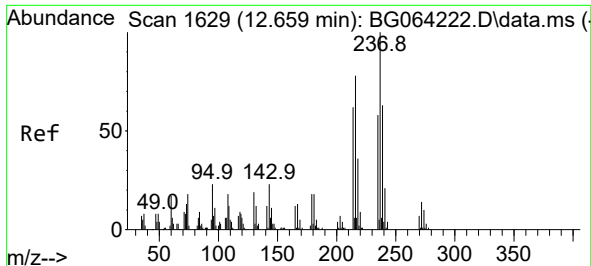
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.735 ng
RT: 12.670 min Scan# 1631
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

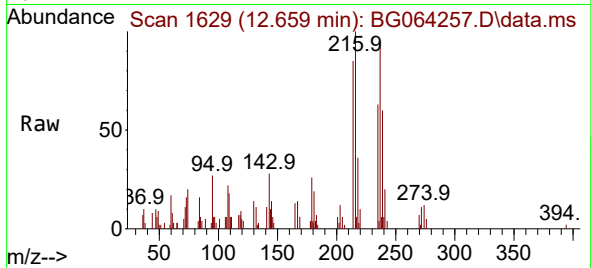
Tgt Ion:216 Resp: 25378
Ion Ratio Lower Upper
216 100
214 81.8 61.9 92.9
179 21.8 17.9 26.9
108 19.2 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 8.713 ng
RT: 12.659 min Scan# 1629
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

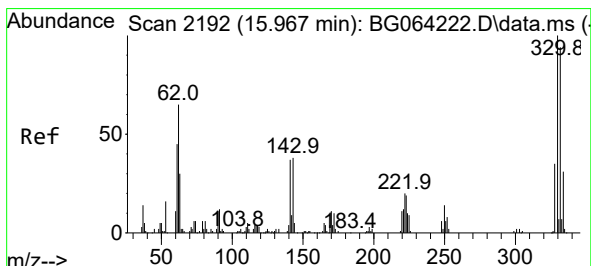
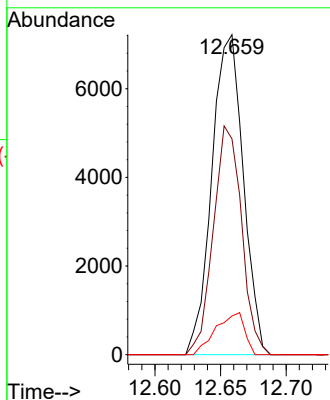
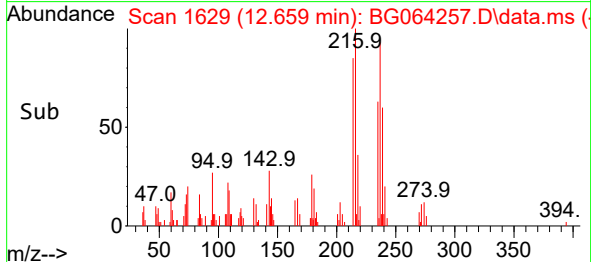
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



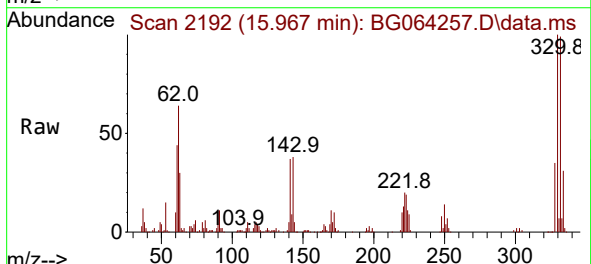
Tgt Ion: 237 Resp: 1203
Ion Ratio Lower Upper
237 100
235 67.5 37.9 77.9
272 12.1 0.0 33.8

Manual Integrations
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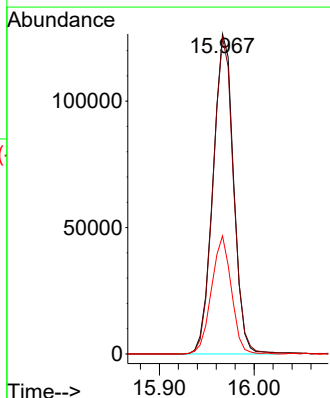
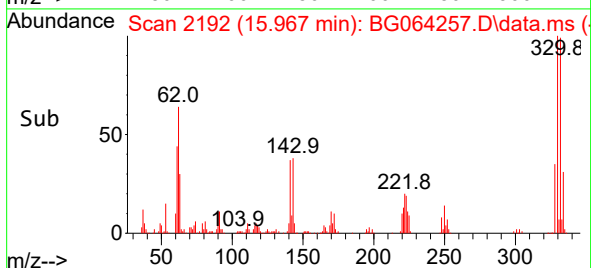
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

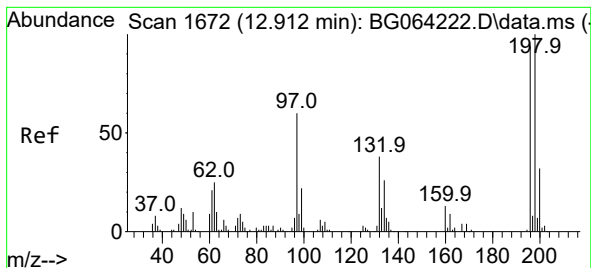


#42
2,4,6-Tribromophenol
Concen: 142.915 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion: 330 Resp: 190601
Ion Ratio Lower Upper
330 100
332 98.6 77.6 116.4
141 35.6 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 8.500 ng

RT: 12.911 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064257.D

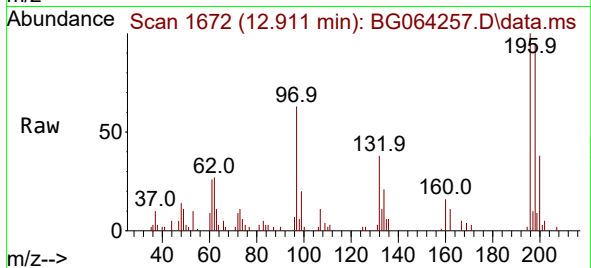
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:196 Resp: 1650

Ion Ratio Lower Upper

196 100

198 104.3 85.4 128.2

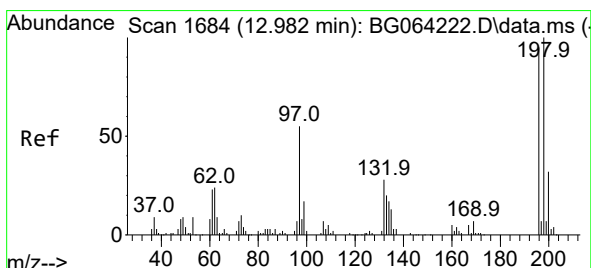
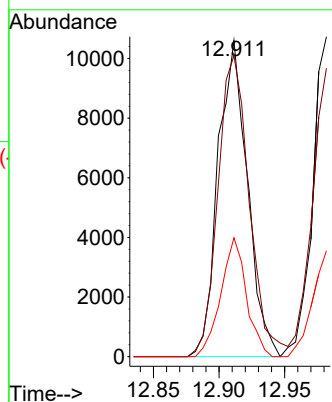
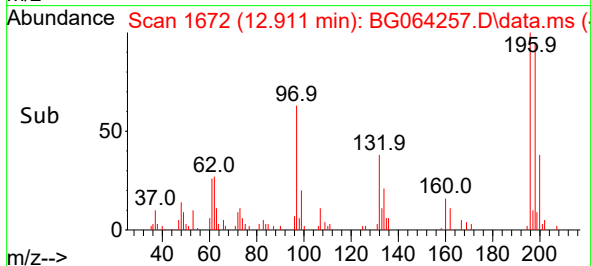
200 37.6 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#44

2,4,5-Trichlorophenol

Concen: 8.693 ng

RT: 12.982 min Scan# 1684

Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Tgt Ion:196 Resp: 18310

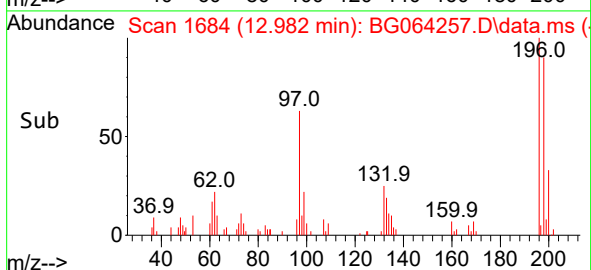
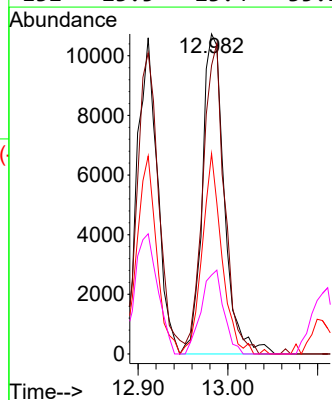
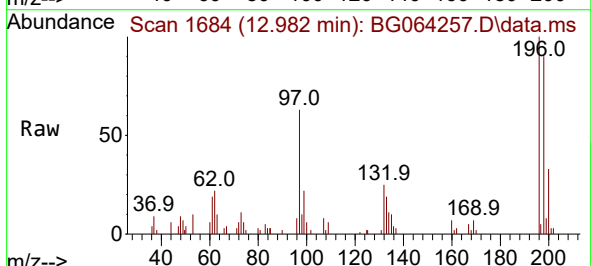
Ion Ratio Lower Upper

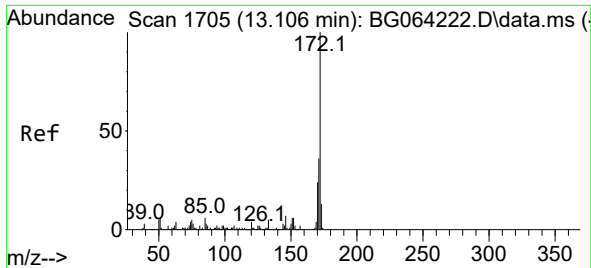
196 100

198 85.8 84.5 126.7

97 59.6 46.8 70.2

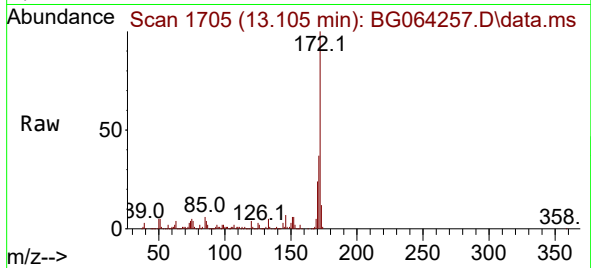
132 23.5 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 97.805 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

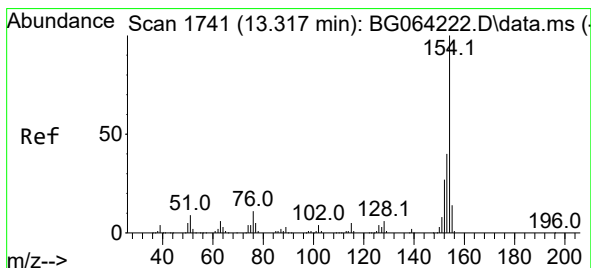
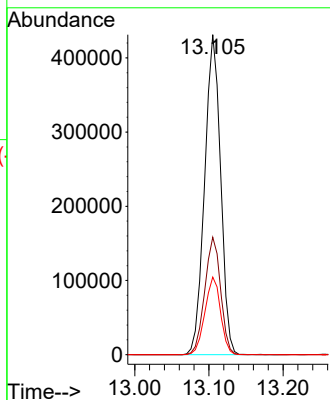
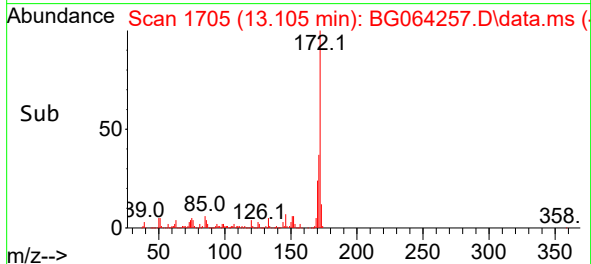
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



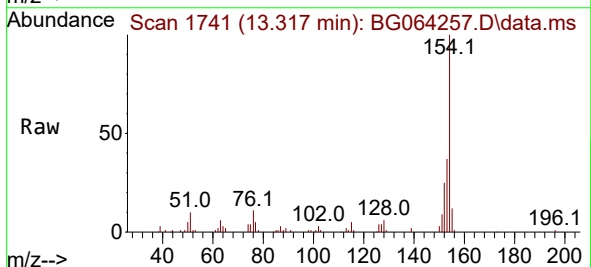
Tgt Ion:172 Resp: 645194
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 24.3 19.0 28.6

Manual Integrations
APPROVED

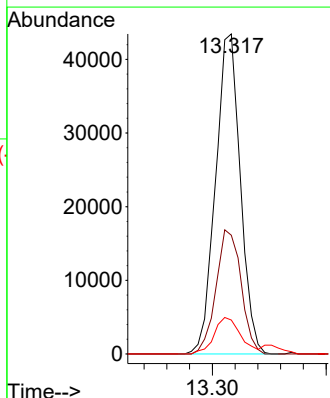
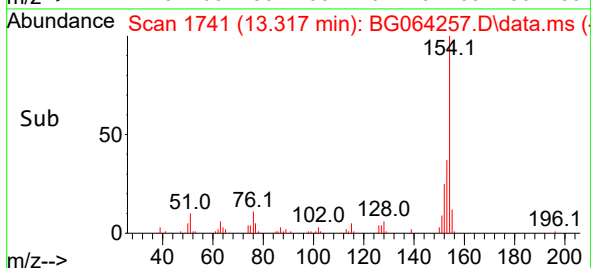
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

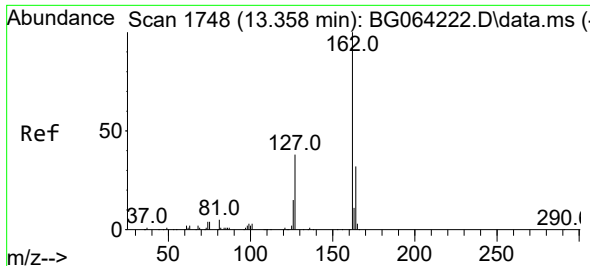


#46
1,1'-Biphenyl
Concen: 8.968 ng
RT: 13.317 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion:154 Resp: 65770
Ion Ratio Lower Upper
154 100
153 37.1 19.9 59.9
76 10.6 0.0 30.9





#47

2-Chloronaphthalene

Concen: 9.032 ng

RT: 13.352 min Scan# 1747

Delta R.T. -0.007 min

Lab File: BG064257.D

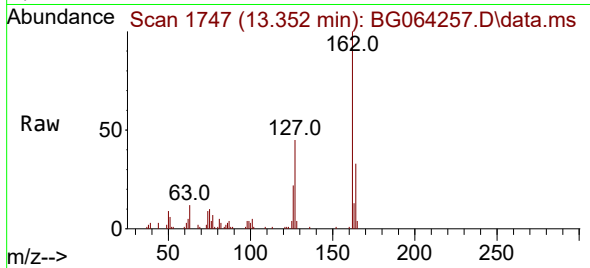
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



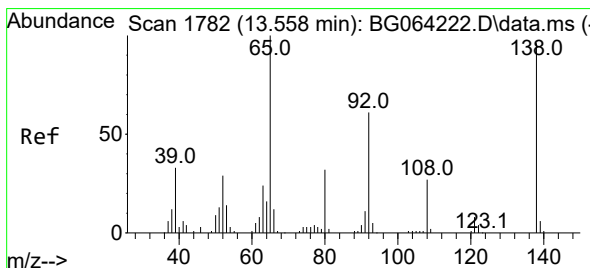
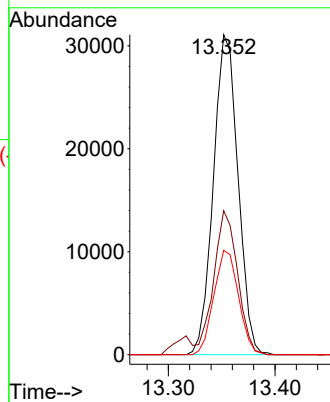
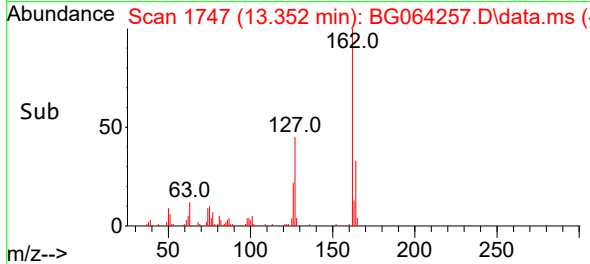
Tgt Ion:	162	Resp:	49790
Ion Ratio	100	Lower	Upper
162	100		
127	45.0	33.9	50.9
164	32.6	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#48

2-Nitroaniline

Concen: 8.966 ng

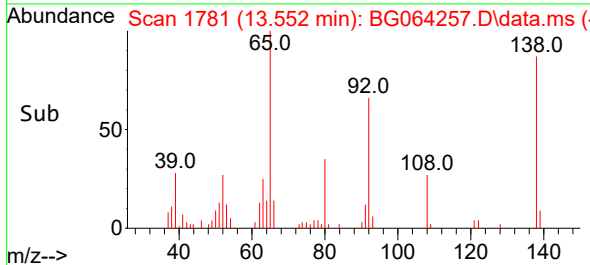
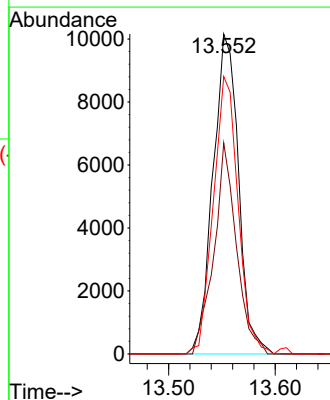
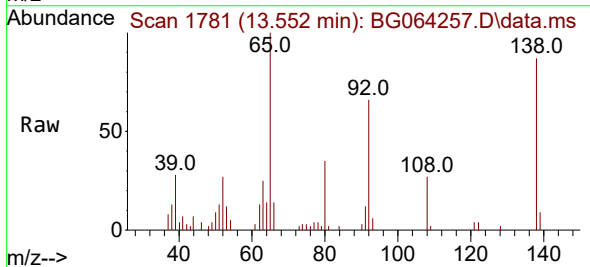
RT: 13.552 min Scan# 1781

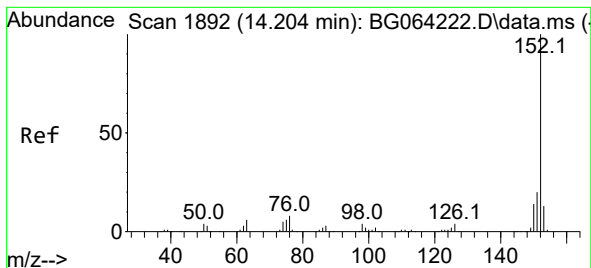
Delta R.T. -0.012 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Tgt Ion:	65	Resp:	16848
Ion Ratio	100	Lower	Upper
65	100		
92	65.9	49.2	73.8
138	86.7	76.8	115.2





#49

Acenaphthylene

Concen: 9.709 ng

RT: 14.198 min Scan# 1891

Delta R.T. -0.007 min

Lab File: BG064257.D

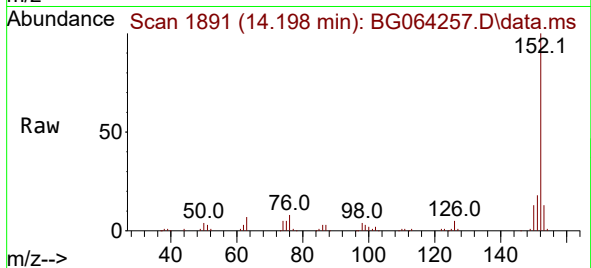
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 79130

Ion Ratio Lower Upper

152 100

151 18.4 16.2 24.2

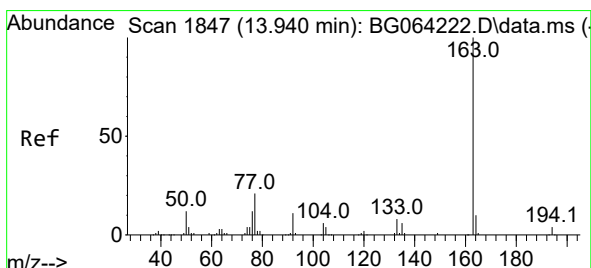
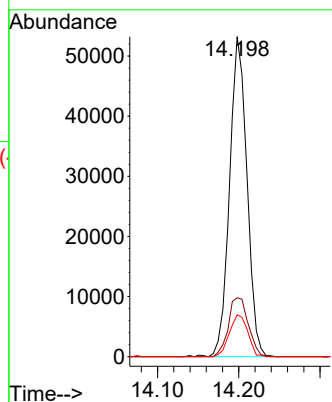
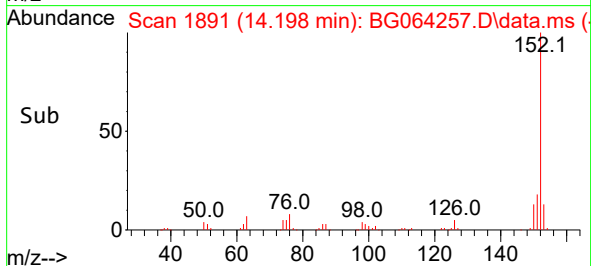
153 13.1 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#50

Dimethylphthalate

Concen: 8.636 ng

RT: 13.934 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

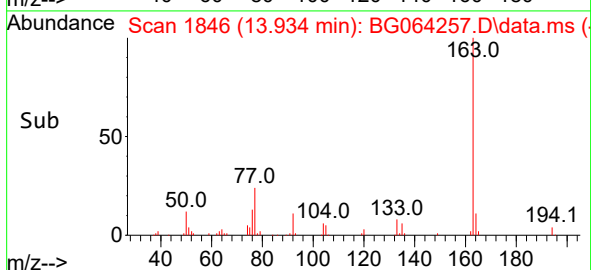
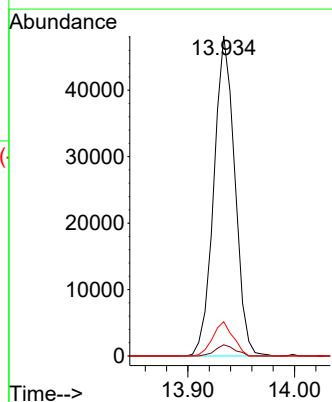
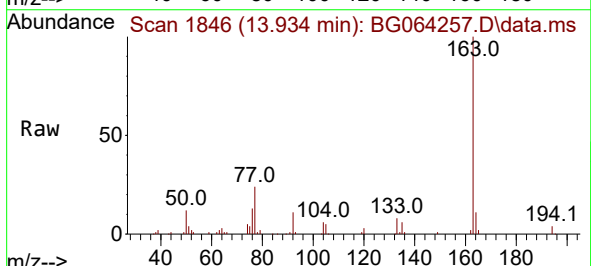
Tgt Ion:163 Resp: 65819

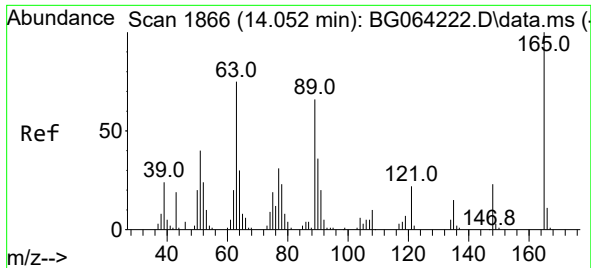
Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

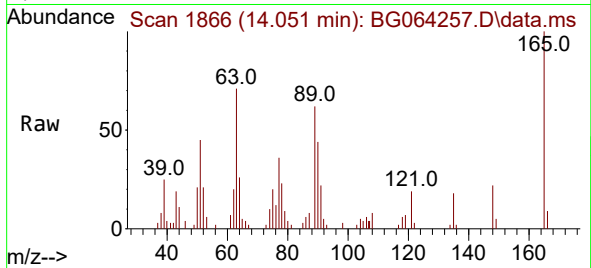
164 10.7 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 8.662 ng
RT: 14.051 min Scan# 1866
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

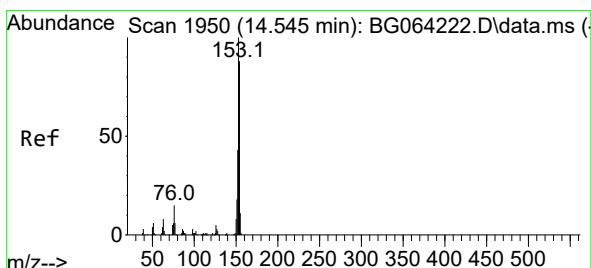
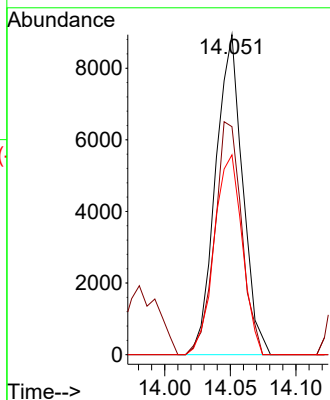
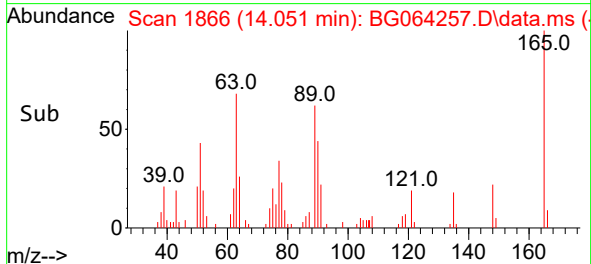
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 12780
Ion Ratio Lower Upper
165 100
63 71.2 60.3 90.5
89 62.4 52.9 79.3

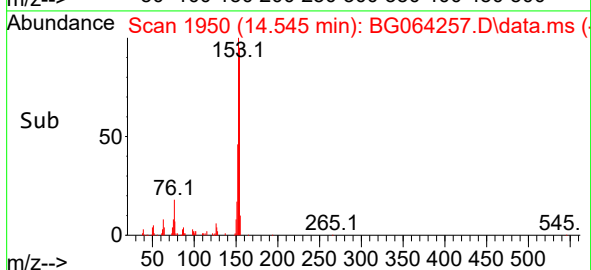
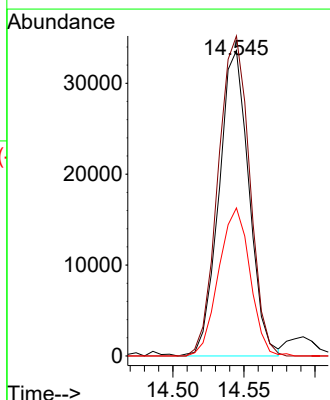
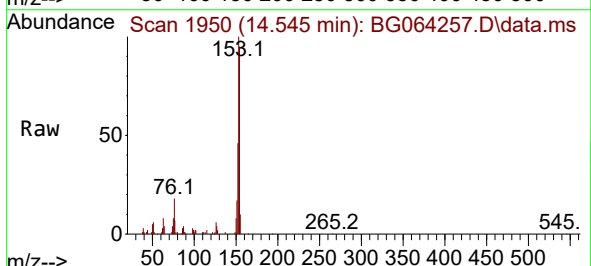
Manual Integrations
APPROVED

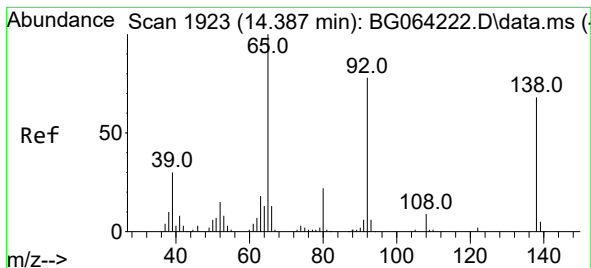
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#52
Acenaphthene
Concen: 8.585 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

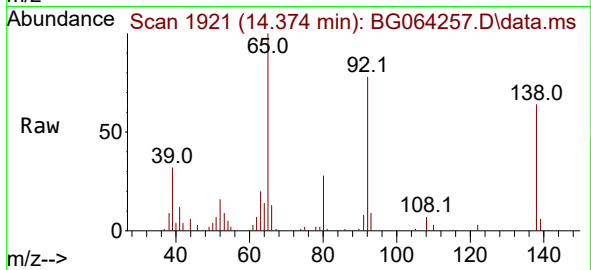
Tgt Ion:154 Resp: 49378
Ion Ratio Lower Upper
154 100
153 104.8 91.1 136.7
152 48.5 39.6 59.4





#53
3-Nitroaniline
Concen: 8.214 ng
RT: 14.374 min Scan# 1921
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

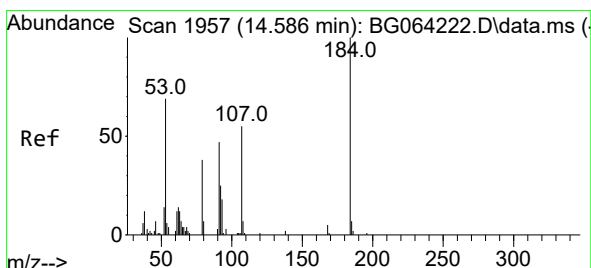
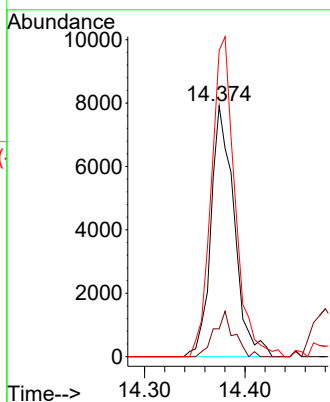
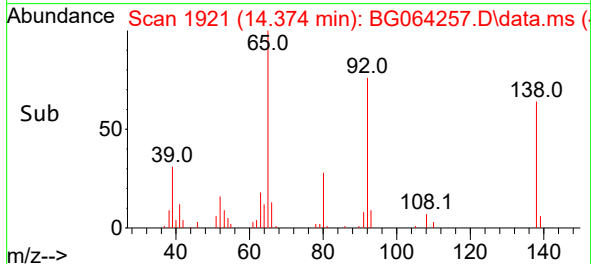
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:138 Resp: 1269
Ion Ratio Lower Upper
138 100
108 11.1 11.0 16.6
92 122.1 91.4 137.0

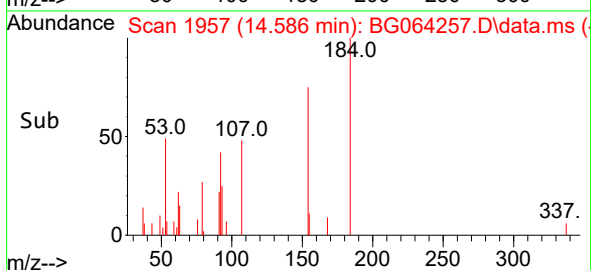
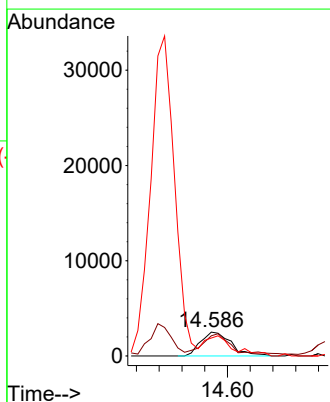
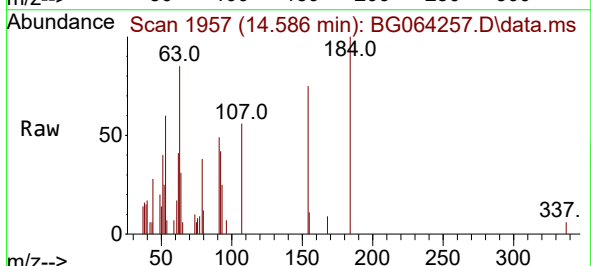
Manual Integrations
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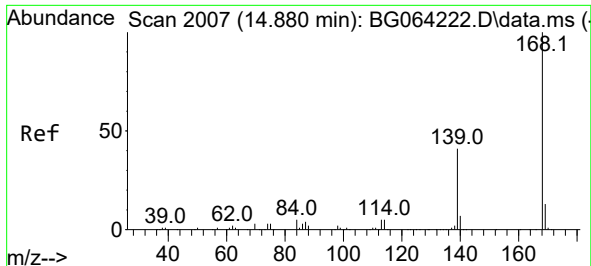
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#54
2,4-Dinitrophenol
Concen: 10.153 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

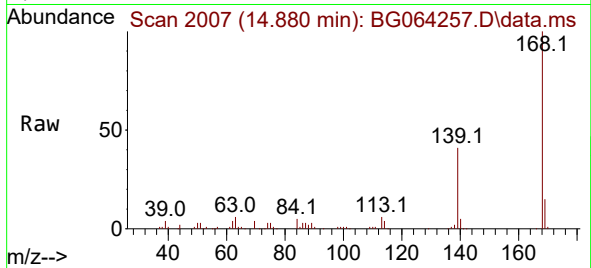
Tgt Ion:184 Resp: 4669
Ion Ratio Lower Upper
184 100
63 84.9 60.1 90.1
154 75.2 59.8 89.8





#55
Dibenzenofuran
Concen: 8.730 ng
RT: 14.880 min Scan# 2007
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

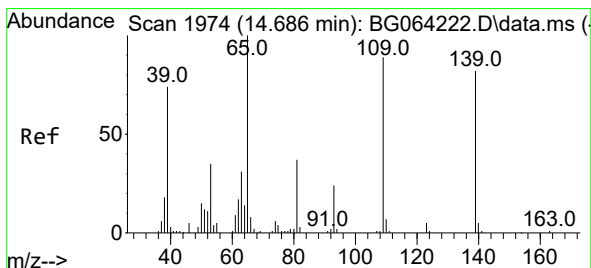
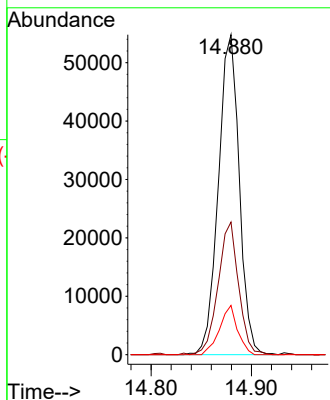
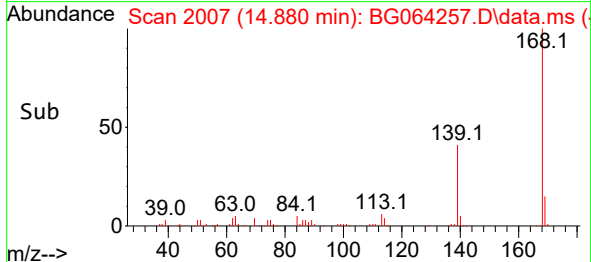
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



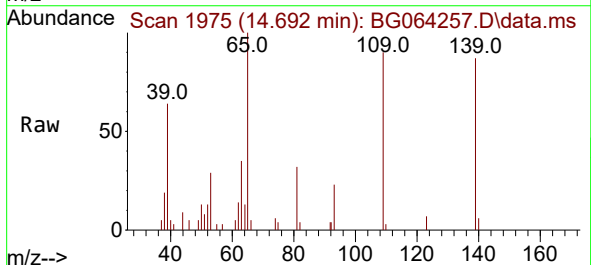
Tgt Ion:168 Resp: 78978
Ion Ratio Lower Upper
168 100
139 41.5 33.2 49.8
169 15.4 10.4 15.6

Manual Integrations
APPROVED

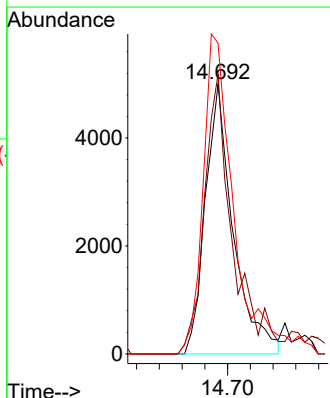
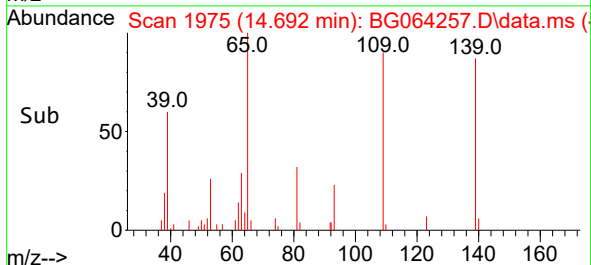
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

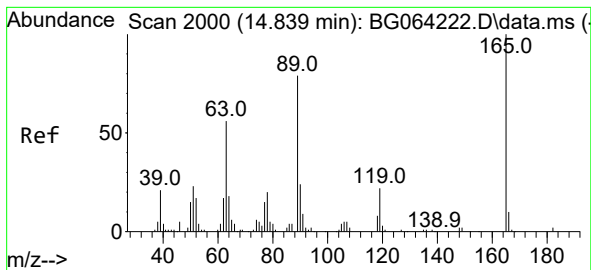


#56
4-Nitrophenol
Concen: 6.715 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



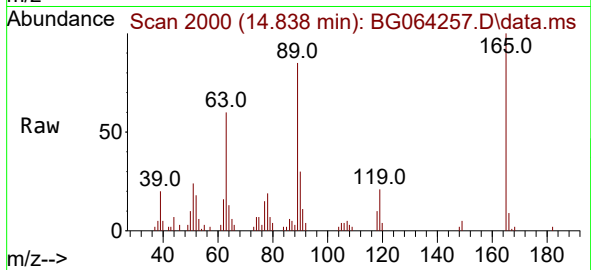
Tgt Ion:139 Resp: 8513
Ion Ratio Lower Upper
139 100
109 103.8 89.1 129.1
65 115.2 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 8.425 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

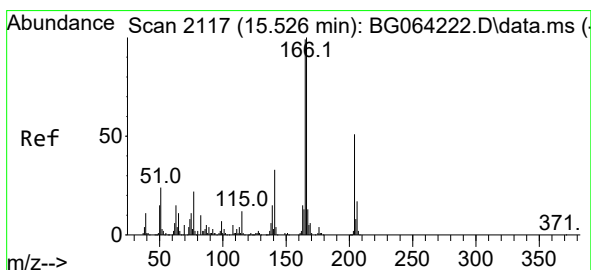
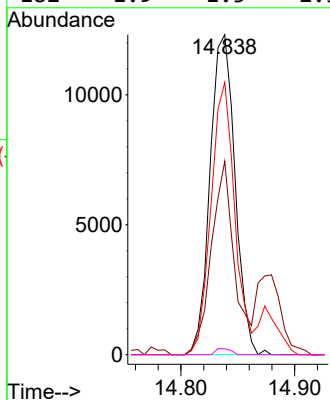
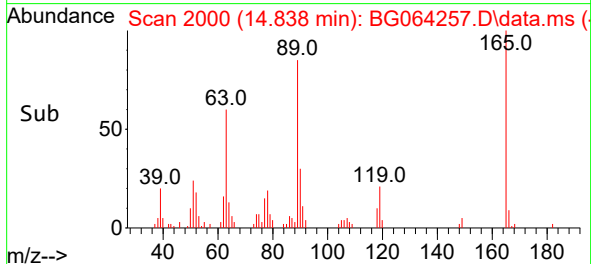
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



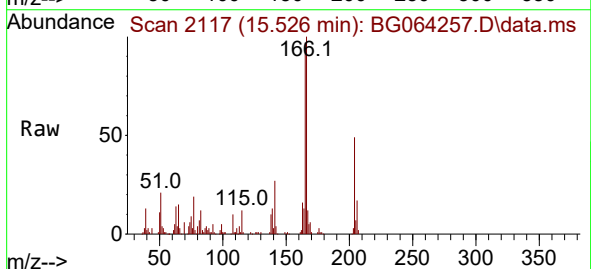
Tgt Ion:165 Resp: 18790
Ion Ratio Lower Upper
165 100
63 60.5 44.6 67.0
89 85.1 63.0 94.4
182 1.9 1.5 2.3

Manual Integrations
APPROVED

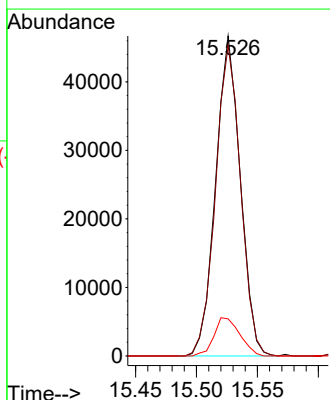
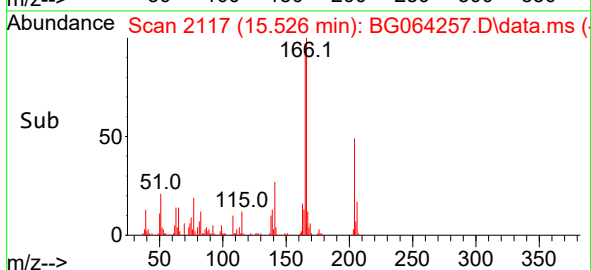
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

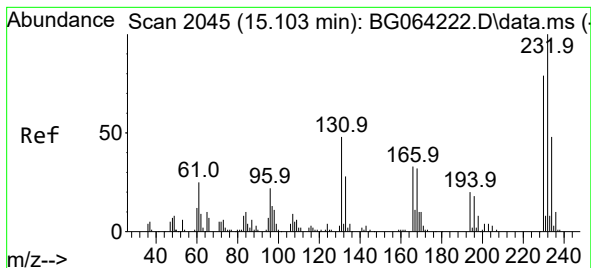


#58
Fluorene
Concen: 8.874 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



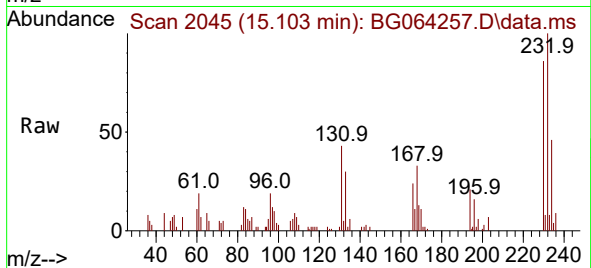
Tgt Ion:166 Resp: 65801
Ion Ratio Lower Upper
166 100
165 97.0 79.1 118.7
167 11.6 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.608 ng
RT: 15.103 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

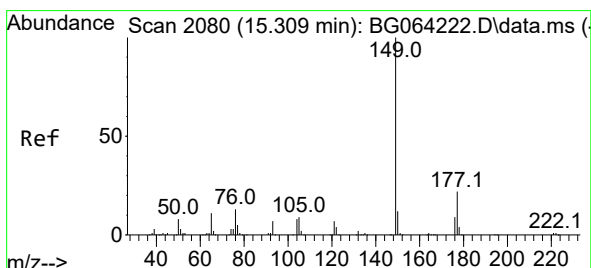
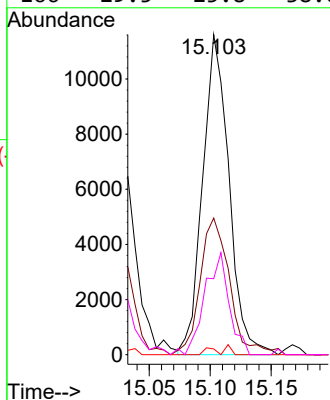
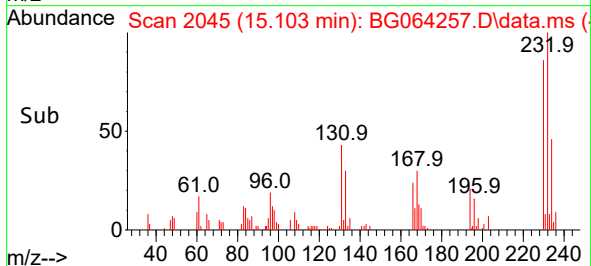
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



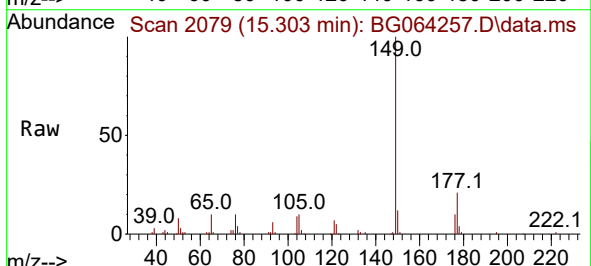
Tgt Ion:232 Resp: 17439
Ion Ratio Lower Upper
232 100
131 48.0 37.1 55.7
130 0.9 2.6 3.8
166 29.5 25.8 38.6

Manual Integrations
APPROVED

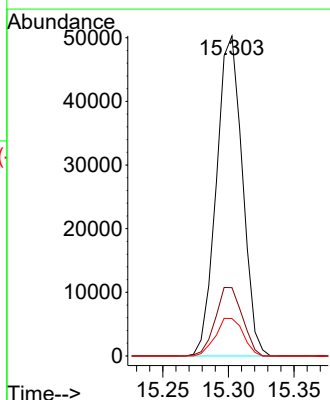
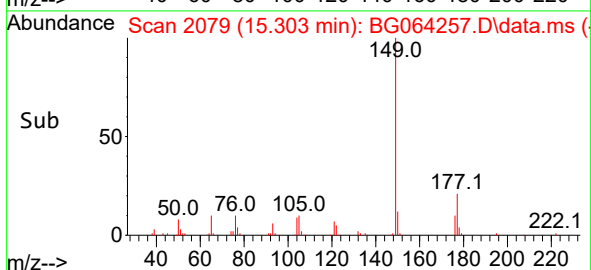
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

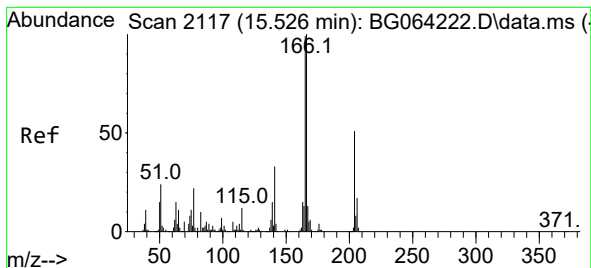


#60
Diethylphthalate
Concen: 8.470 ng
RT: 15.303 min Scan# 2079
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



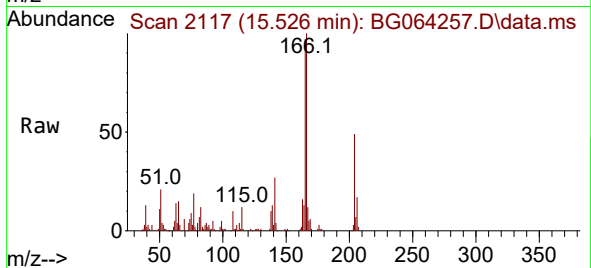
Tgt Ion:149 Resp: 69087
Ion Ratio Lower Upper
149 100
177 21.3 17.5 26.3
150 11.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.998 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

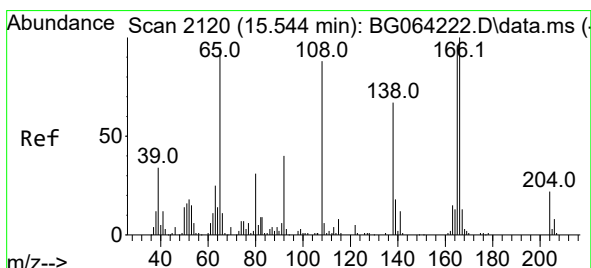
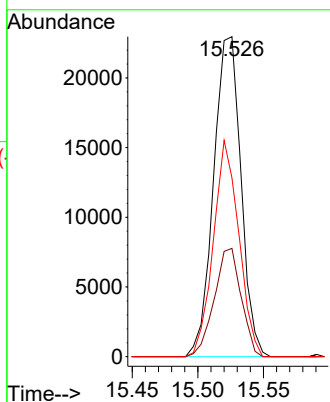
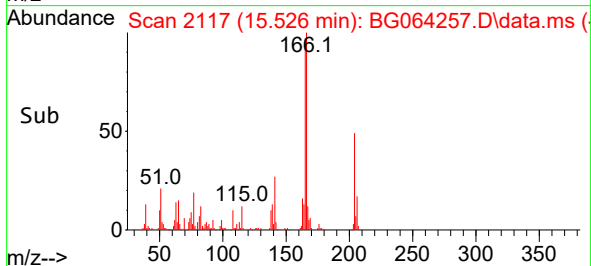
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



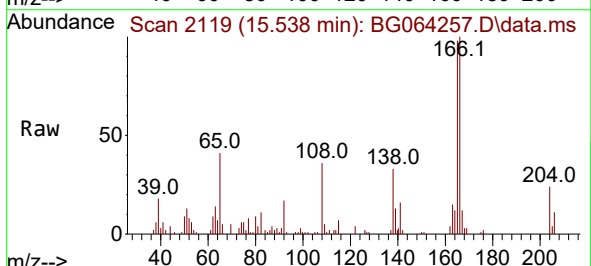
Tgt Ion:204 Resp: 33260
Ion Ratio Lower Upper
204 100
206 33.9 26.2 39.4
141 55.9 51.9 77.9

Manual Integrations
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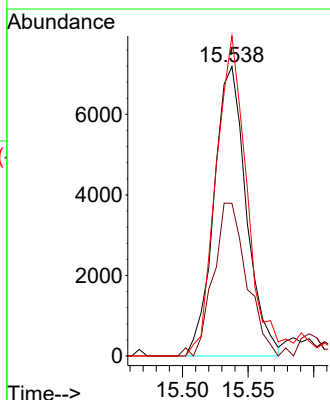
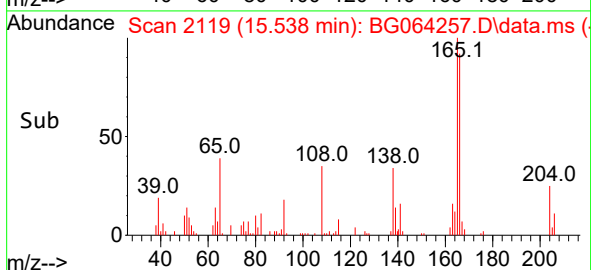
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

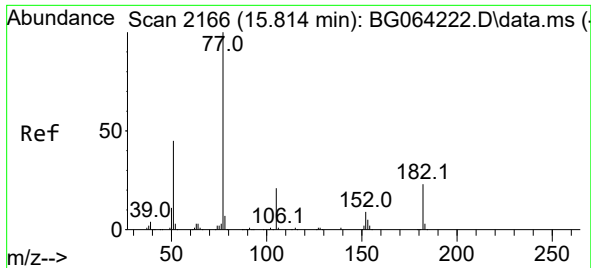


#62
4-Nitroaniline
Concen: 7.816 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



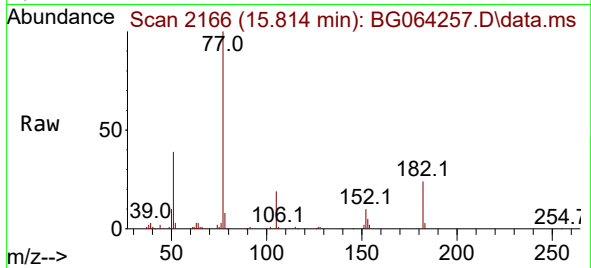
Tgt Ion:138 Resp: 12327
Ion Ratio Lower Upper
138 100
92 52.8 39.1 79.1
108 110.5 111.3 151.3#





#63
Azobenzene
Concen: 8.797 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

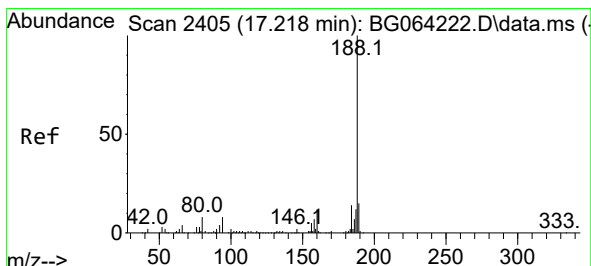
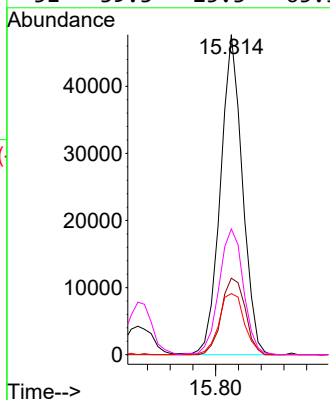
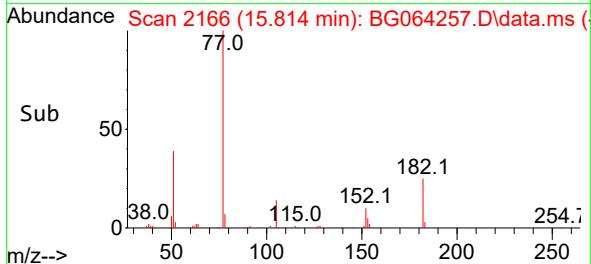
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 77	Resp: 6395
Ion Ratio	Lower Upper
77 100	
182 23.9	3.3 43.3
105 19.1	0.6 40.6
51 39.3	25.3 65.3

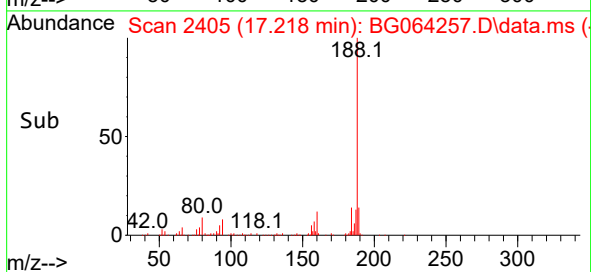
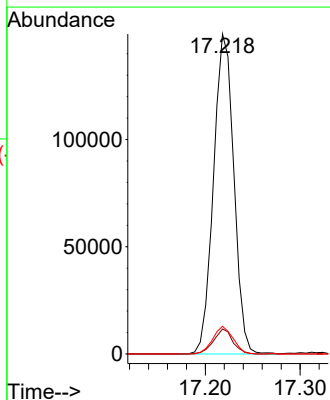
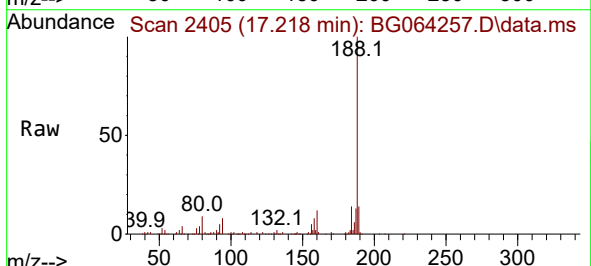
Manual Integrations
APPROVED

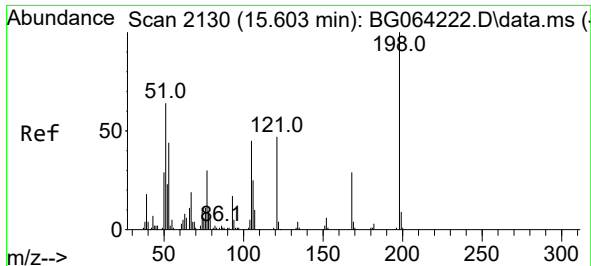
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

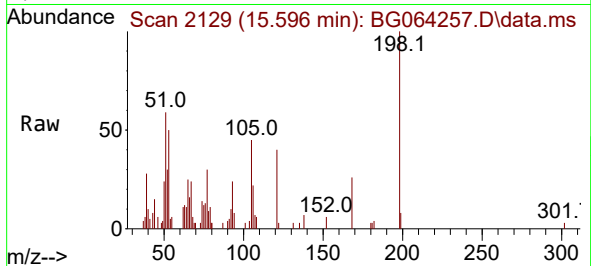
Tgt Ion:188	Resp: 222798
Ion Ratio	Lower Upper
188 100	
94 7.8	6.2 9.4
80 8.7	6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 7.348 ng
RT: 15.596 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

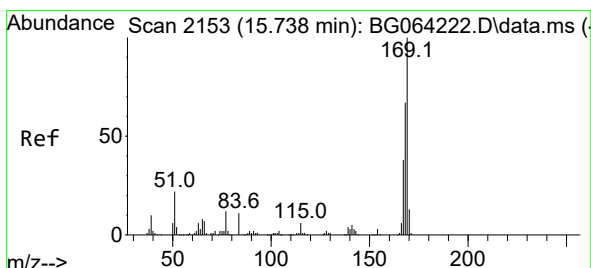
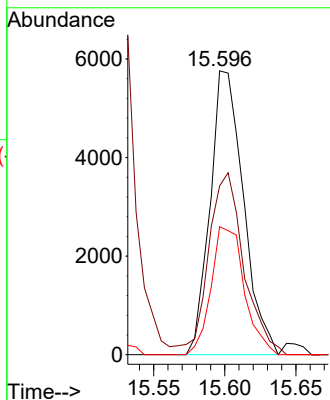
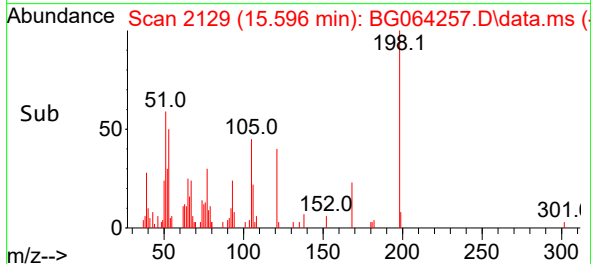
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:198 Resp: 9399
Ion Ratio Lower Upper
198 100
51 59.5 46.2 86.2
105 45.1 25.0 65.0

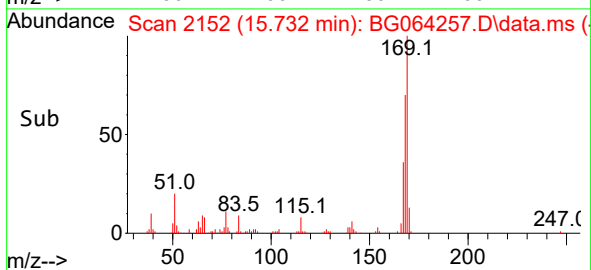
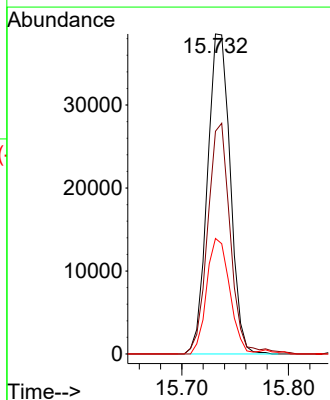
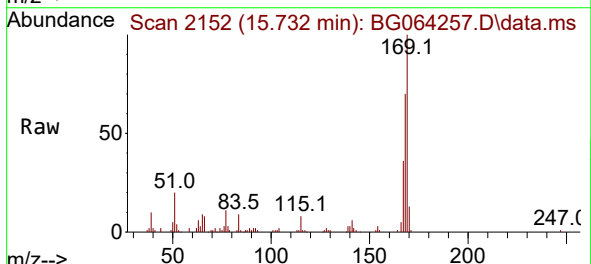
Manual Integrations
APPROVED

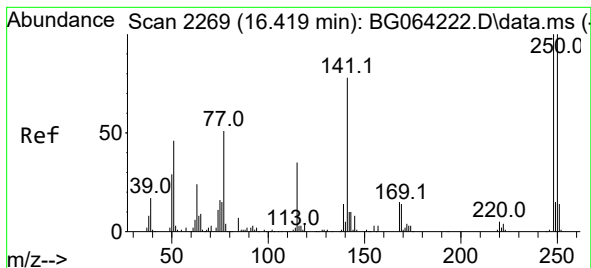
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#66
n-Nitrosodiphenylamine
Concen: 9.325 ng
RT: 15.732 min Scan# 2152
Delta R.T. -0.013 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

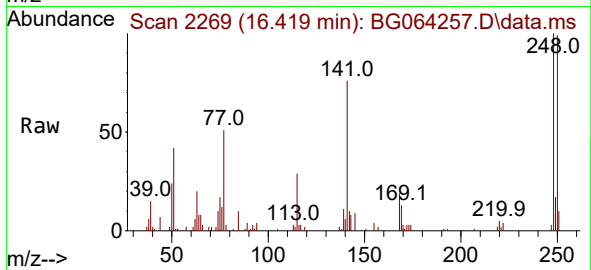
Tgt Ion:169 Resp: 57155
Ion Ratio Lower Upper
169 100
168 69.6 53.8 80.8
167 36.1 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 9.098 ng
RT: 16.419 min Scan# 21529
Delta R.T. -0.001 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

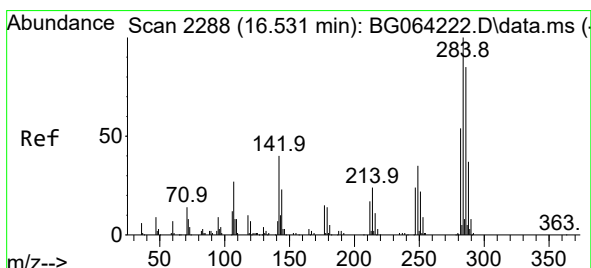
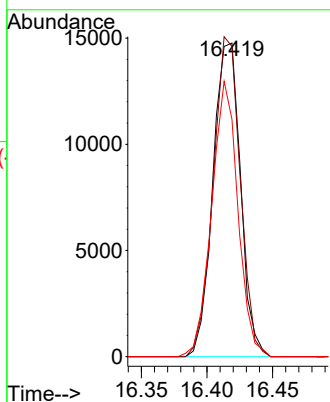
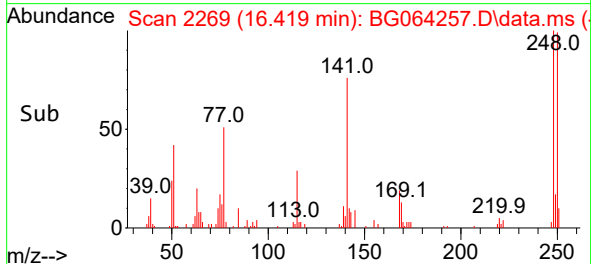
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



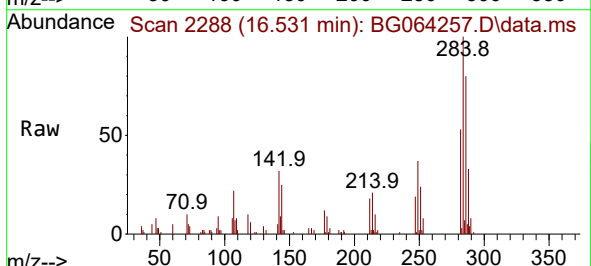
Tgt Ion:248 Resp: 21529
Ion Ratio Lower Upper
248 100
250 99.0 80.2 120.4
141 75.7 62.4 93.6

Manual Integrations
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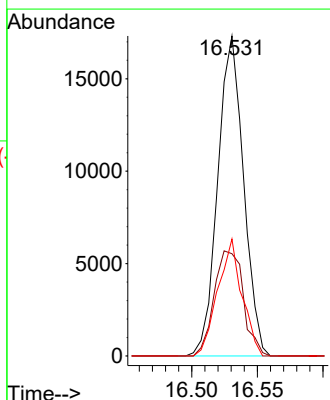
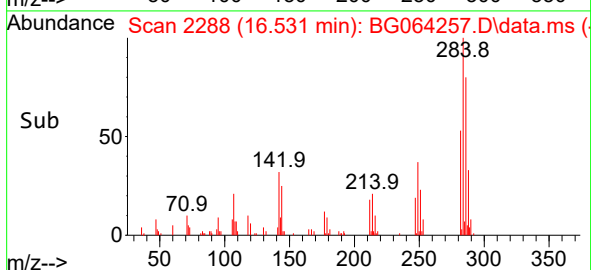
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

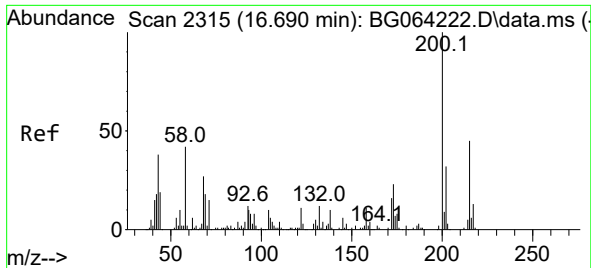


#68
Hexachlorobenzene
Concen: 9.006 ng
RT: 16.531 min Scan# 2288
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion:284 Resp: 23667
Ion Ratio Lower Upper
284 100
142 32.0 32.1 48.1#
249 36.5 28.3 42.5





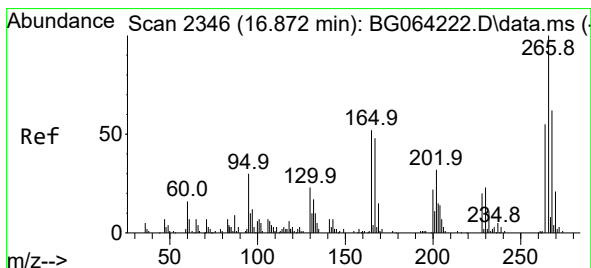
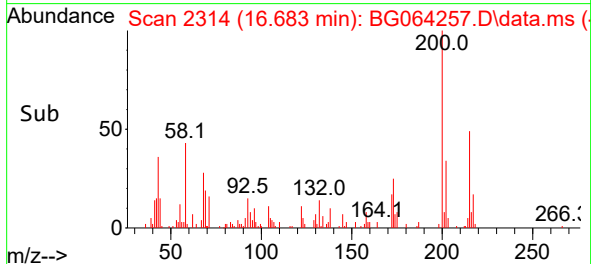
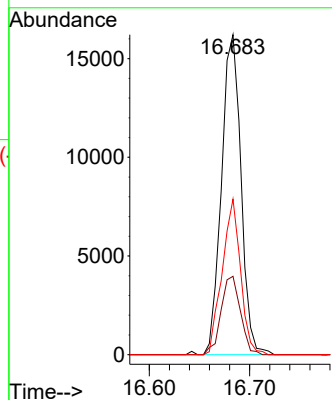
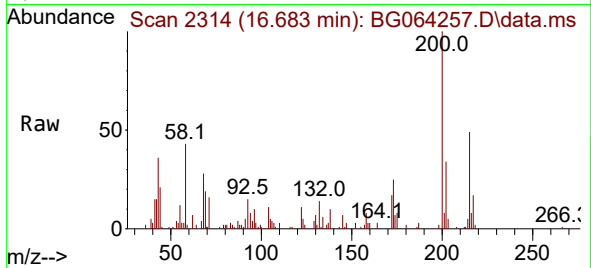
#69
 Atrazine
 Concen: 8.547 ng
 RT: 16.683 min Scan# 2187
 Delta R.T. -0.012 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:200 Resp: 2187
 Ion Ratio Lower Upper
 200 100
 173 24.5 3.5 43.5
 215 48.6 24.8 64.8

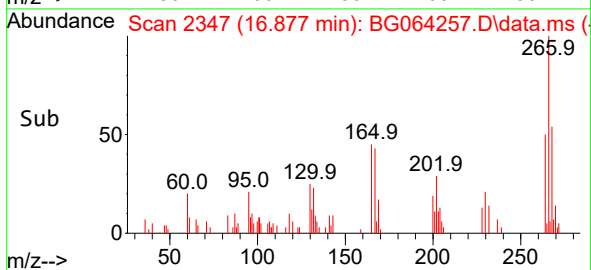
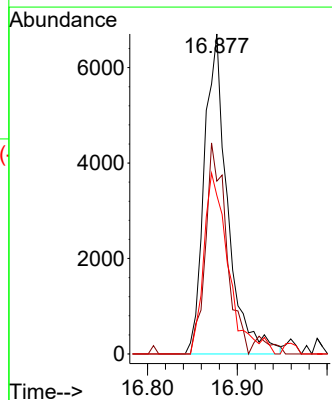
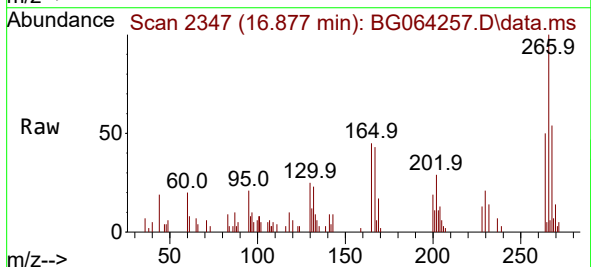
Manual Integrations
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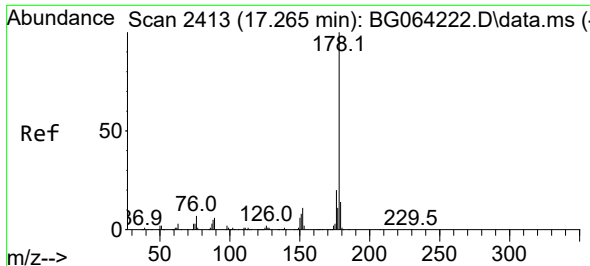
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025



#70
 Pentachlorophenol
 Concen: 7.585 ng
 RT: 16.877 min Scan# 2347
 Delta R.T. -0.001 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

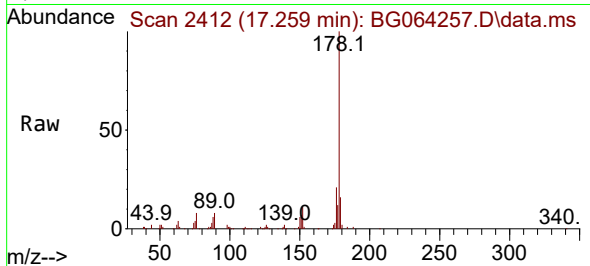
Tgt Ion:266 Resp: 12086
 Ion Ratio Lower Upper
 266 100
 268 61.0 49.4 74.0
 264 49.5 44.3 66.5





#71
Phenanthrene
Concen: 8.954 ng
RT: 17.259 min Scan# 2413
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

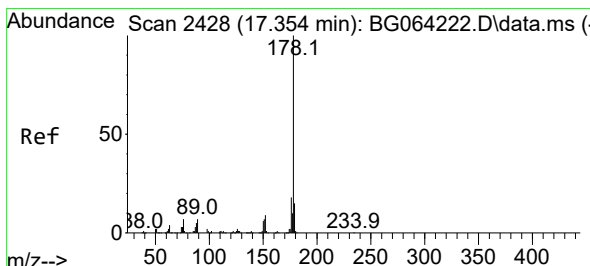
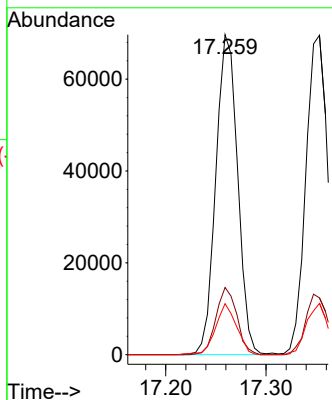
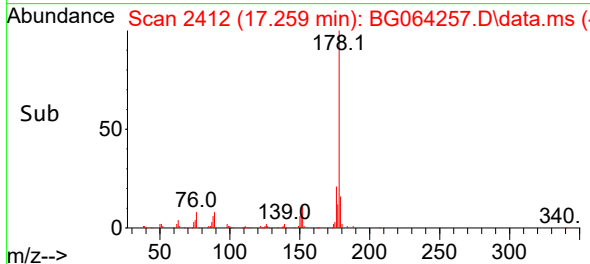
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



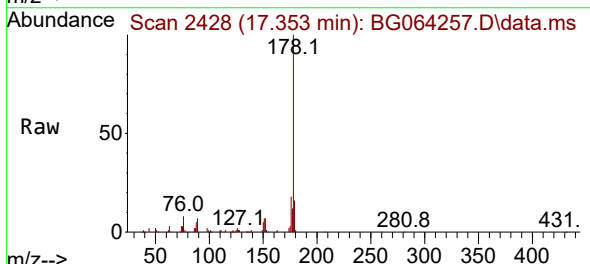
Tgt Ion:178 Resp: 105225
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 16.0 11.4 17.2

Manual Integrations
APPROVED

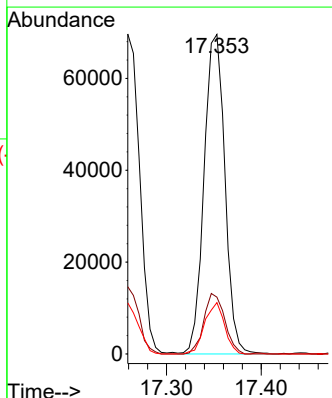
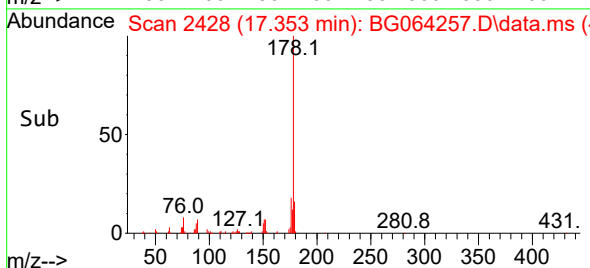
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

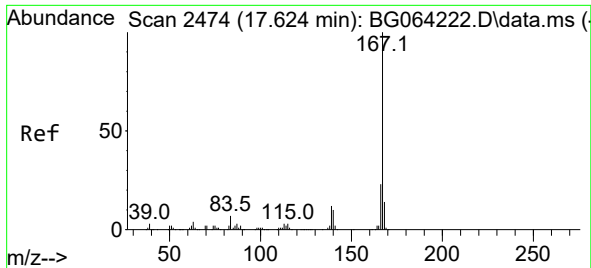


#72
Anthracene
Concen: 8.892 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



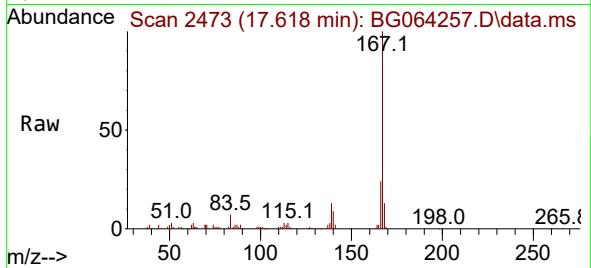
Tgt Ion:178 Resp: 106294
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 16.1 12.1 18.1





#73
Carbazole
Concen: 8.851 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

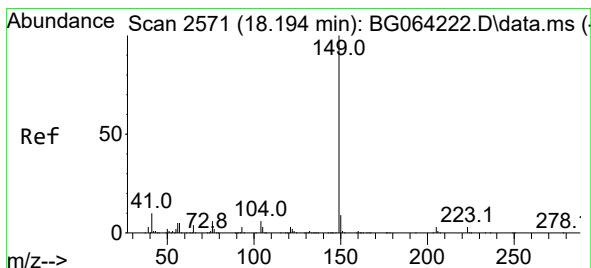
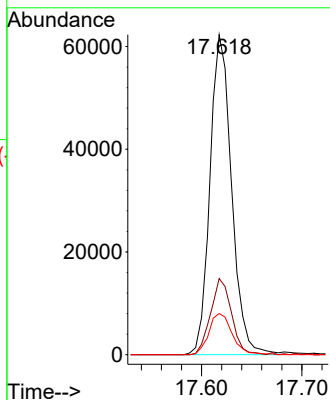
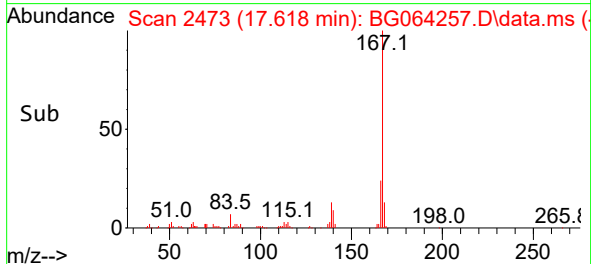
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



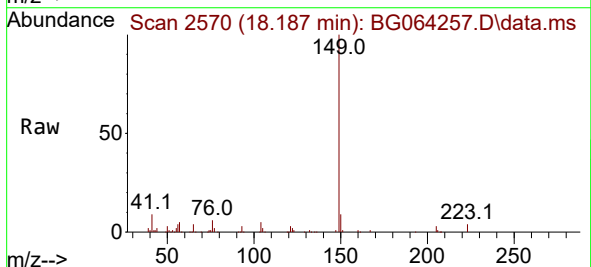
Tgt Ion:167 Resp: 9320
Ion Ratio Lower Upper
167 100
166 23.8 18.2 27.2
139 12.9 9.8 14.6

Manual Integrations
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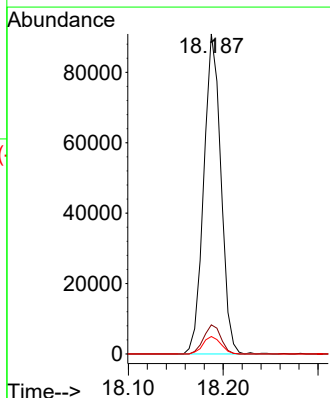
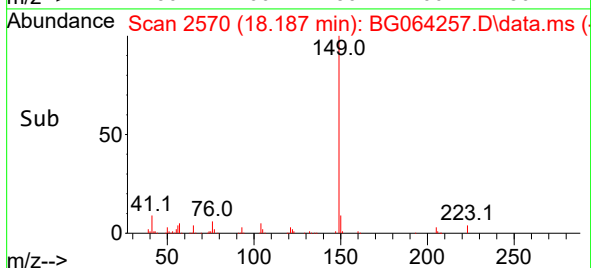
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

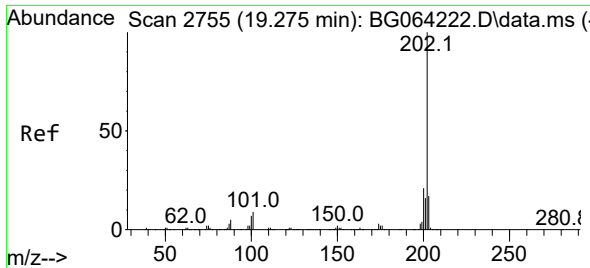


#74
Di-n-butylphthalate
Concen: 9.017 ng
RT: 18.187 min Scan# 2570
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



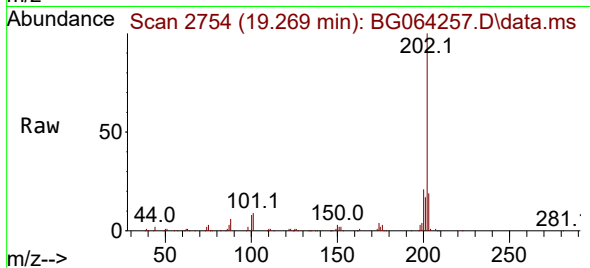
Tgt Ion:149 Resp: 114079
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 5.4 4.6 7.0





#75
Fluoranthene
Concen: 8.611 ng
RT: 19.269 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

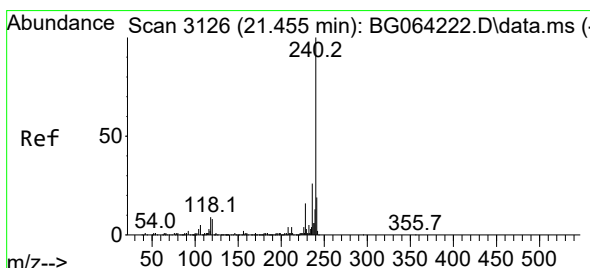
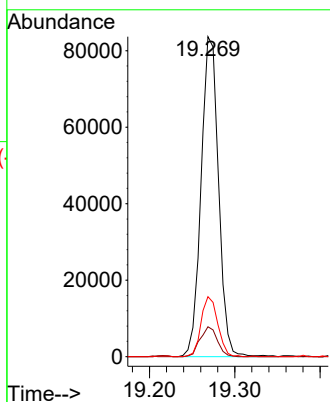
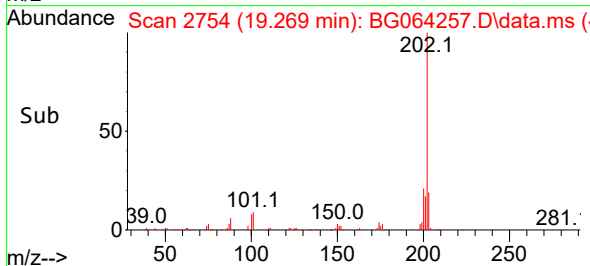
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:202 Resp: 11897
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.7
203 18.8 0.0 36.9

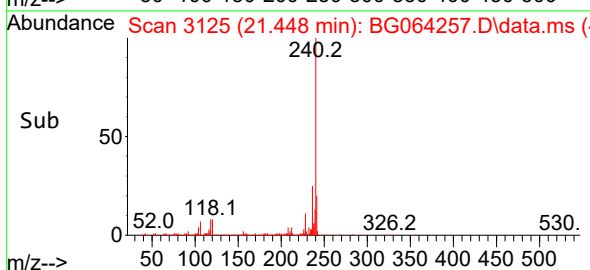
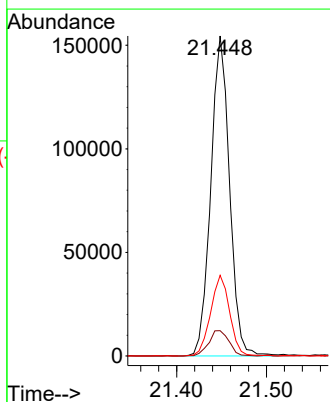
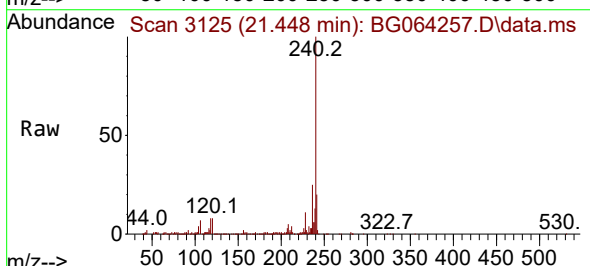
Manual Integrations
APPROVED

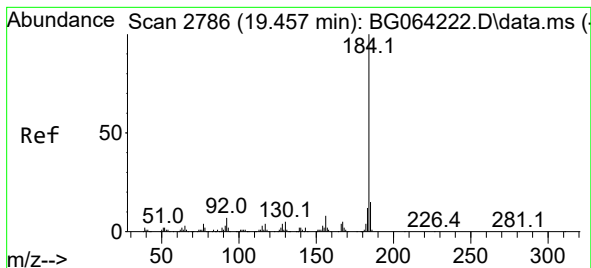
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

Tgt Ion:240 Resp: 224213
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 25.2 20.5 30.7





#77

Benzidine

Concen: 10.555 ng

RT: 19.451 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

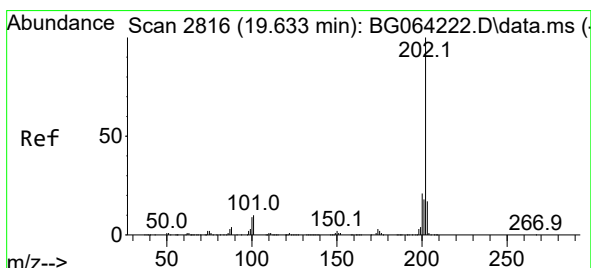
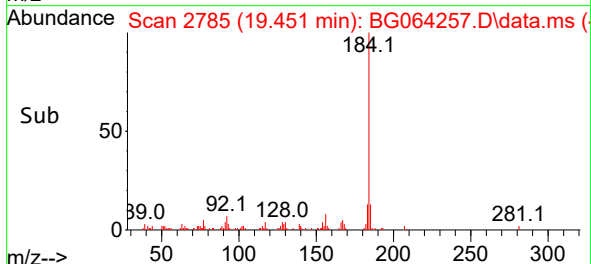
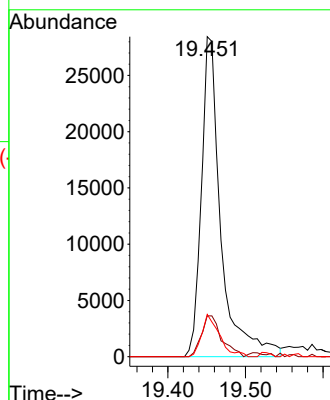
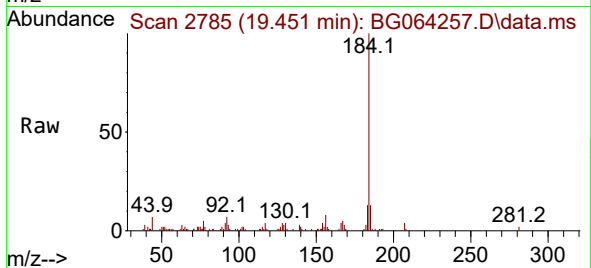
Tgt Ion:184	Resp: 4978
Ion Ratio	Lower Upper
184 100	
185 12.7	11.7 17.5
183 13.2	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#78

Pyrene

Concen: 9.029 ng

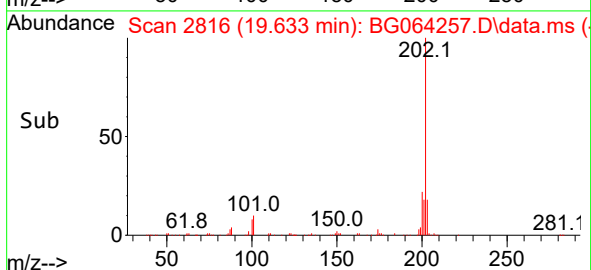
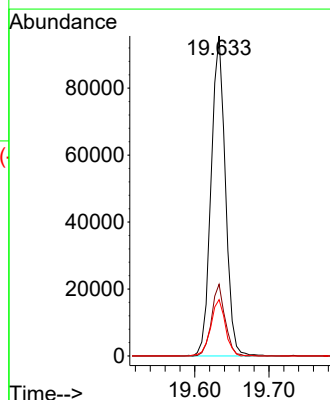
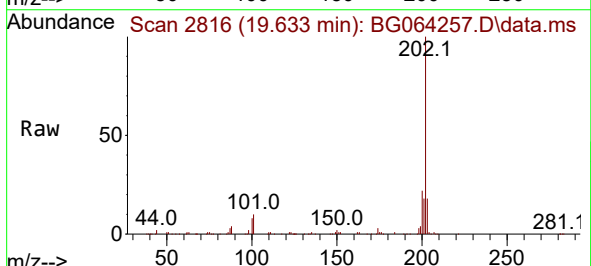
RT: 19.633 min Scan# 2816

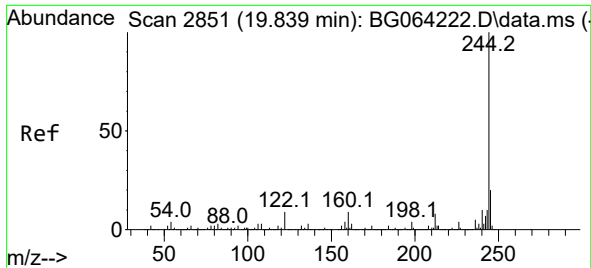
Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

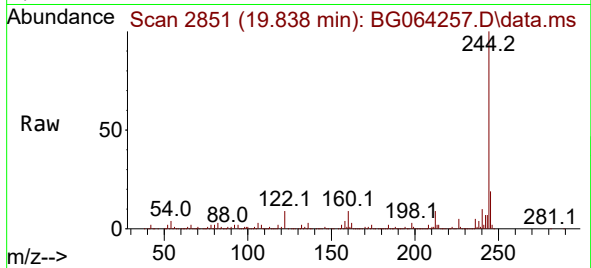
Tgt Ion:202	Resp: 127542
Ion Ratio	Lower Upper
202 100	
200 22.4	16.9 25.3
203 17.6	13.8 20.8





#79
 Terphenyl-d14
 Concen: 105.115 ng
 RT: 19.838 min Scan# 2851
 Delta R.T. -0.007 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

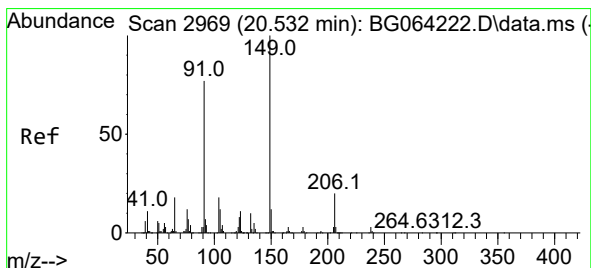
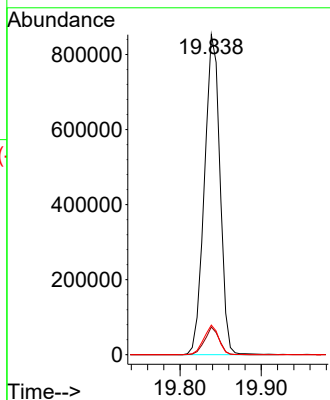
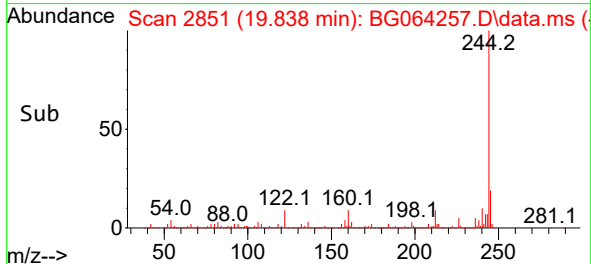
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:244 Resp: 112963
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.6 10.0
 122 9.3 7.0 10.6

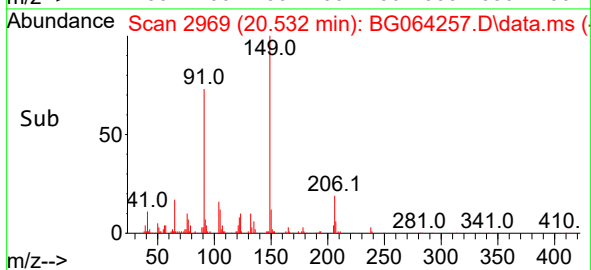
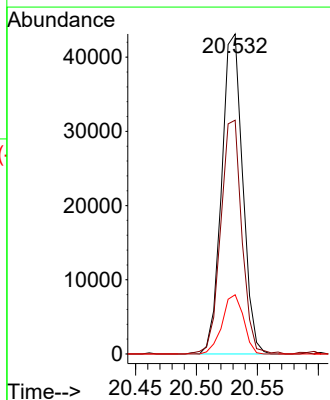
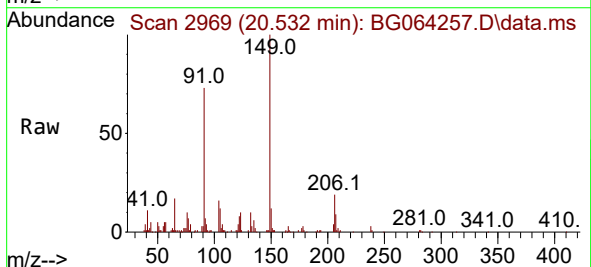
Manual Integrations
 APPROVED

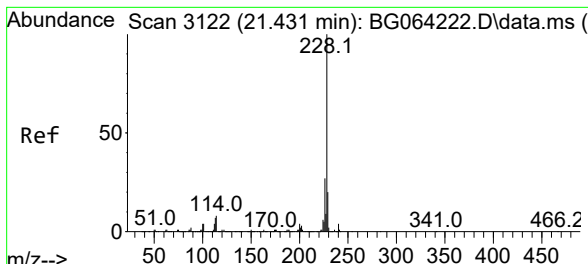
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025



#80
 Butylbenzylphthalate
 Concen: 9.738 ng
 RT: 20.532 min Scan# 2969
 Delta R.T. -0.001 min
 Lab File: BG064257.D
 Acq: 3 Sep 2025 17:08

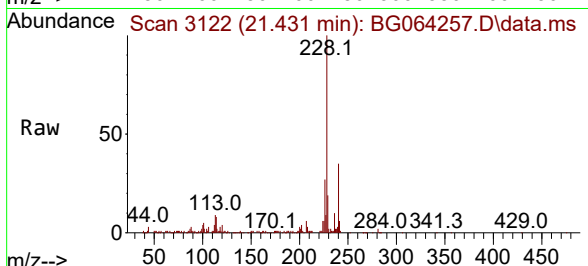
Tgt Ion:149 Resp: 51882
 Ion Ratio Lower Upper
 149 100
 91 73.0 61.4 92.0
 206 18.5 15.8 23.6





#81
Benzo(a)anthracene
Concen: 9.056 ng
RT: 21.431 min Scan# 3122
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

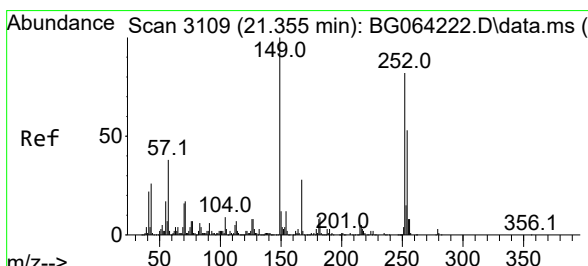
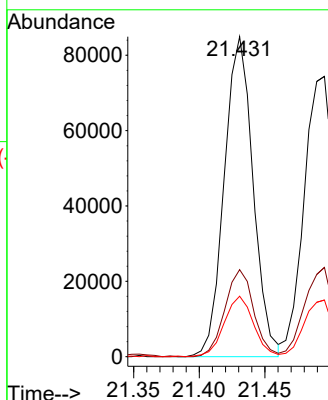
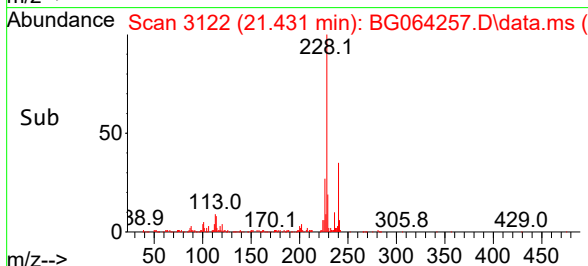
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



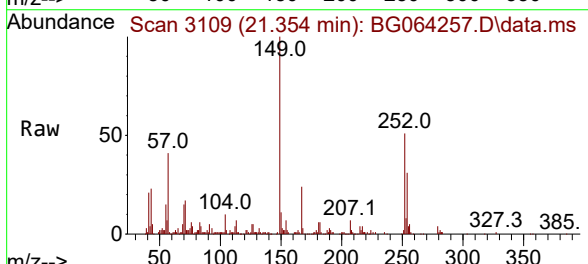
Tgt Ion:228 Resp: 12990
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 18.9 15.9 23.9

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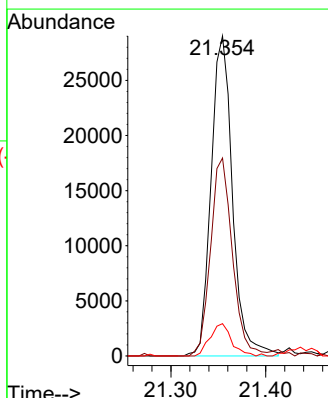
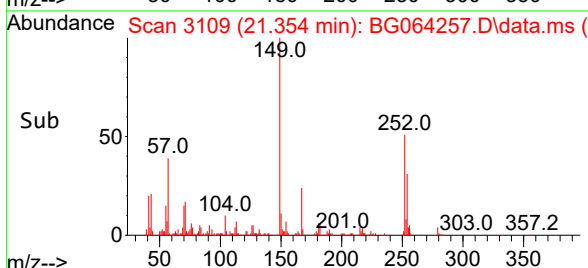
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

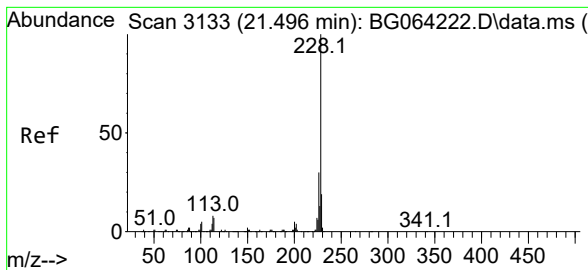


#82
3,3'-Dichlorobenzidine
Concen: 9.740 ng
RT: 21.354 min Scan# 3109
Delta R.T. -0.007 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion:252 Resp: 45502
Ion Ratio Lower Upper
252 100
254 61.8 51.9 77.9
126 10.1 7.6 11.4





#83

Chrysene

Concen: 8.975 ng

RT: 21.495 min Scan# 3133

Delta R.T. -0.007 min

Lab File: BG064257.D

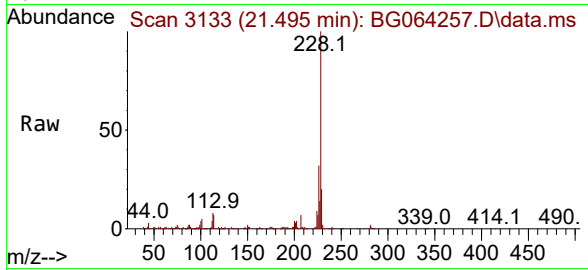
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:228 Resp: 12359

Ion Ratio Lower Upper

228 100

226 31.9 24.2 36.2

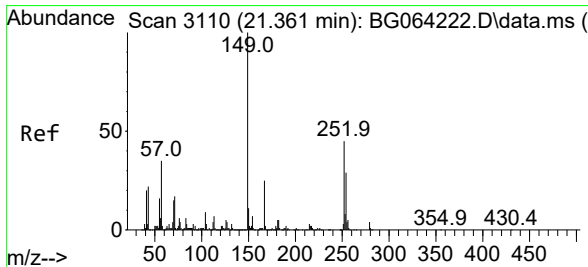
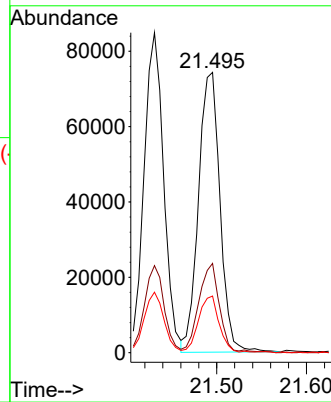
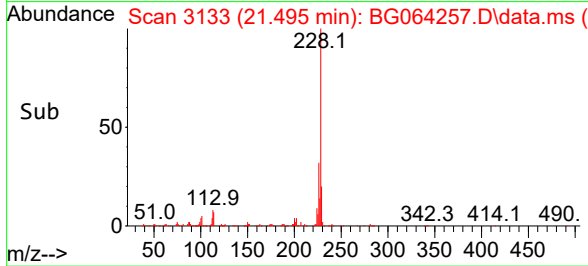
229 20.2 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.445 ng

RT: 21.360 min Scan# 3110

Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

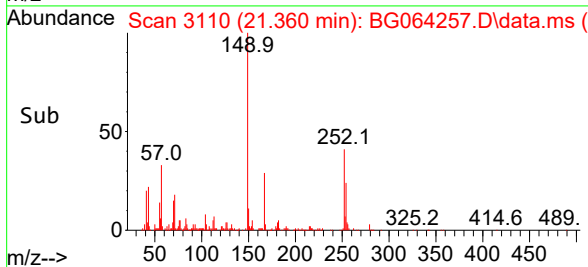
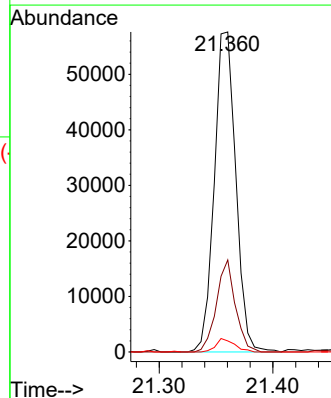
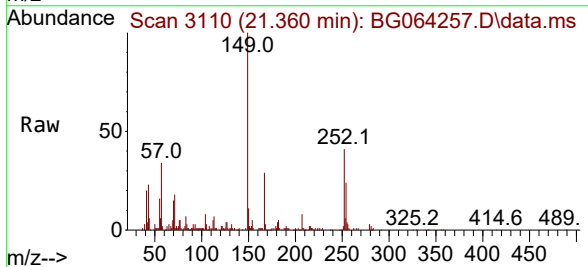
Tgt Ion:149 Resp: 75549

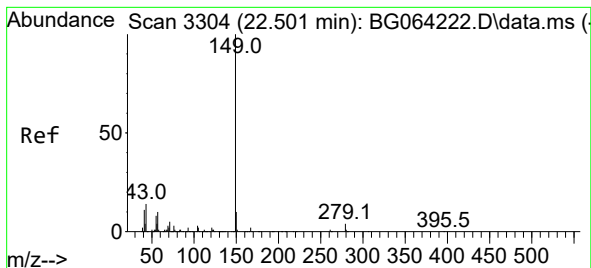
Ion Ratio Lower Upper

149 100

167 28.8 20.0 30.0

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 9.191 ng

RT: 22.494 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064257.D

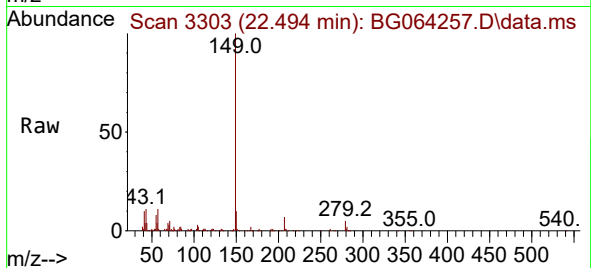
Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:149 Resp: 12809

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

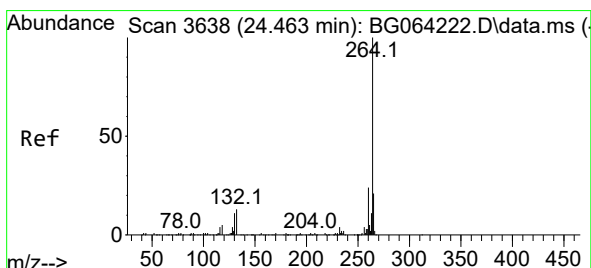
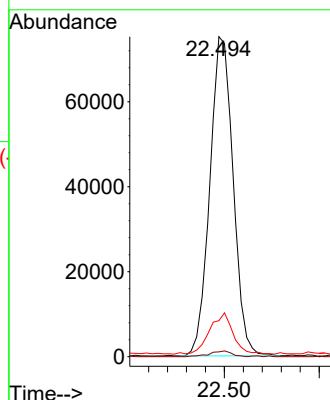
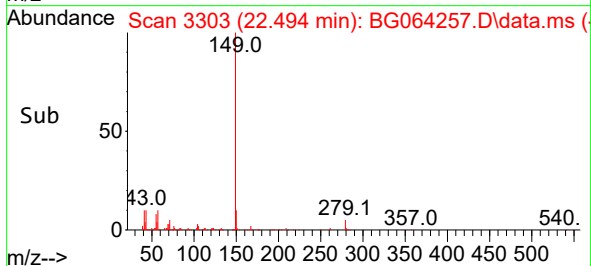
43 13.0 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.457 min Scan# 3637

Delta R.T. -0.007 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

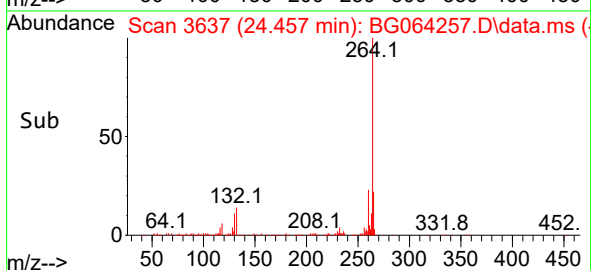
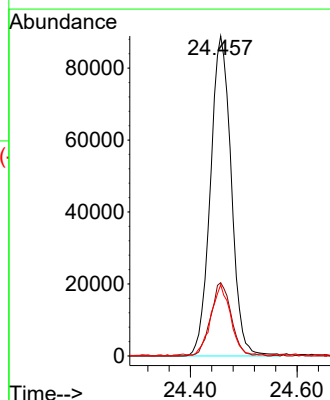
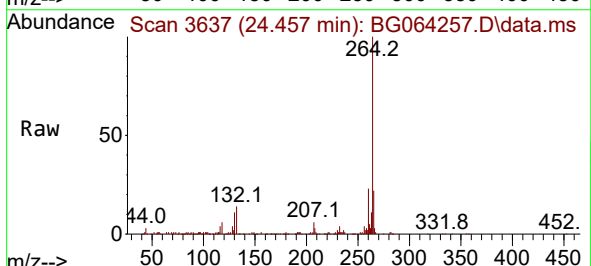
Tgt Ion:264 Resp: 240707

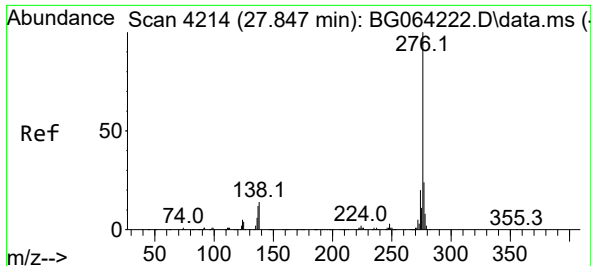
Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

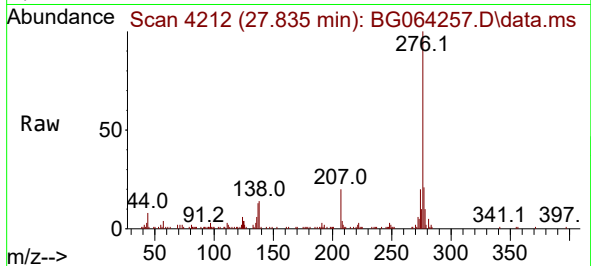
265 22.2 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.844 ng
RT: 27.835 min Scan# 41
Delta R.T. -0.036 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

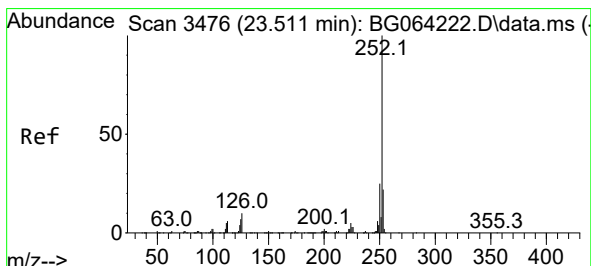
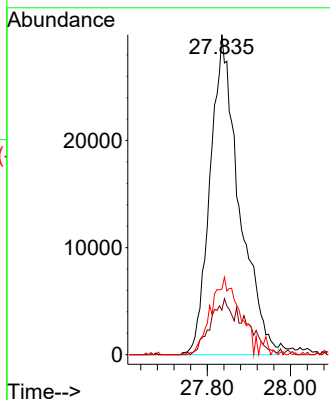
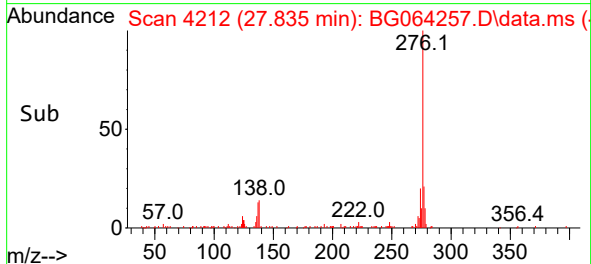
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



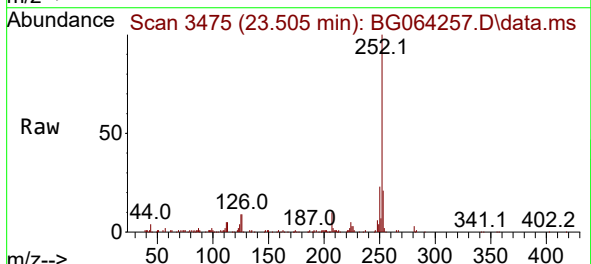
Tgt Ion:276 Resp: 145379
Ion Ratio Lower Upper
276 100
138 12.7 7.4 11.0
277 23.7 20.5 30.7

Manual Integrations
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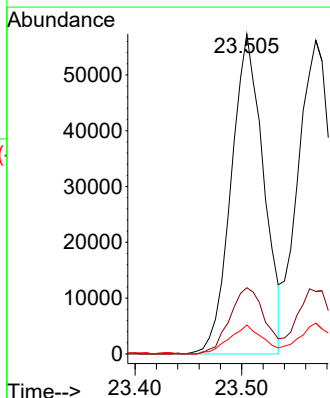
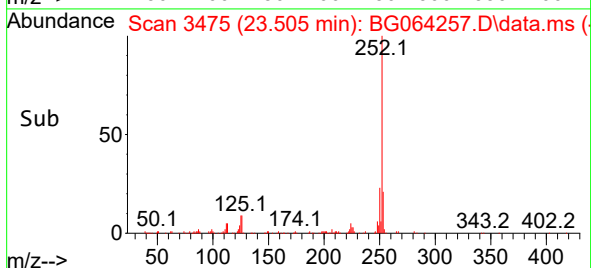
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

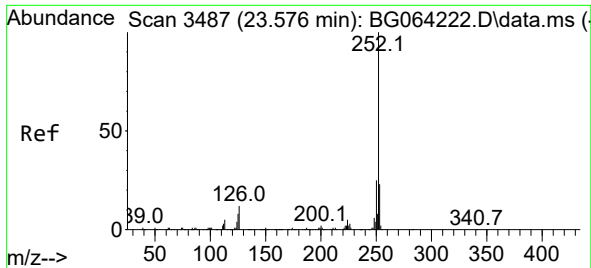


#88
Benzo(b)fluoranthene
Concen: 8.908 ng
RT: 23.505 min Scan# 3475
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



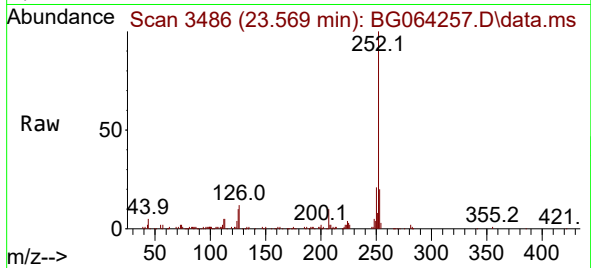
Tgt Ion:252 Resp: 121023
Ion Ratio Lower Upper
252 100
253 20.7 17.5 26.3
125 9.0 5.9 8.9





#89
Benzo(k)fluoranthene
Concen: 8.970 ng
RT: 23.569 min Scan# 3487
Delta R.T. -0.018 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08

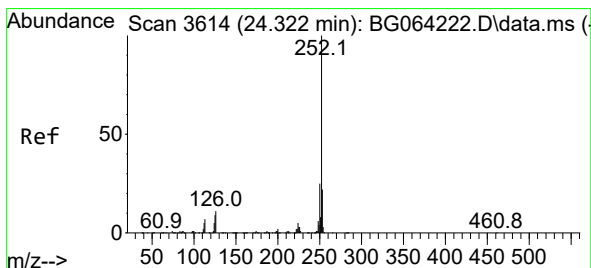
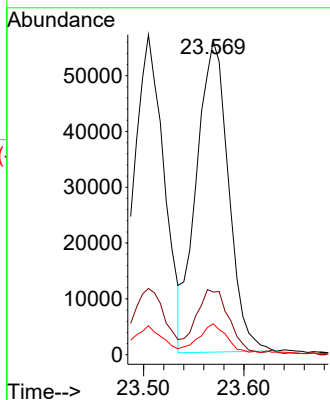
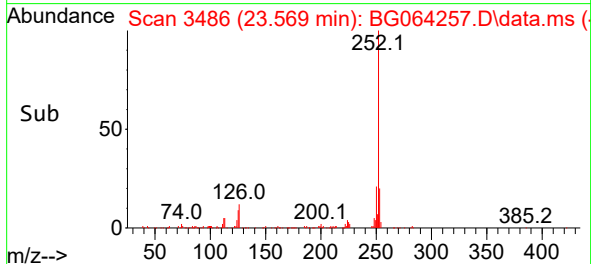
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



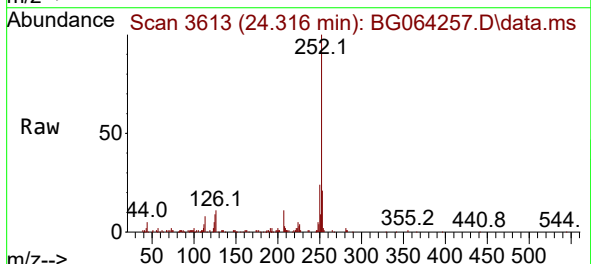
Tgt Ion:252 Resp: 124150
Ion Ratio Lower Upper
252 100
253 20.0 18.2 27.4
125 9.8 7.0 10.4

Manual Integrations
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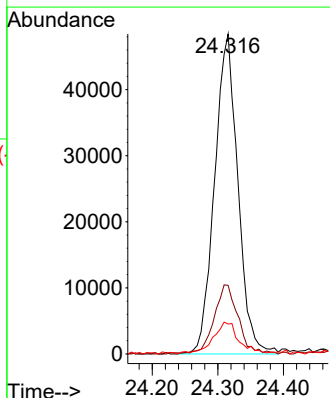
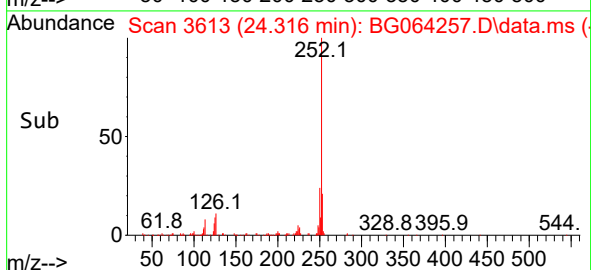
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

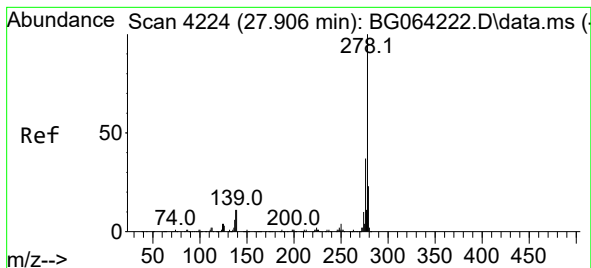


#90
Benzo(a)pyrene
Concen: 9.425 ng
RT: 24.316 min Scan# 3613
Delta R.T. -0.012 min
Lab File: BG064257.D
Acq: 3 Sep 2025 17:08



Tgt Ion:252 Resp: 119101
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 9.3 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 8.898 ng

RT: 27.894 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:278 Resp: 11744

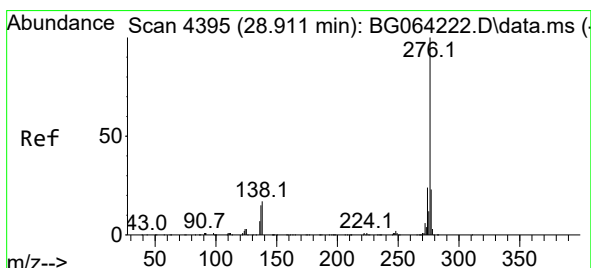
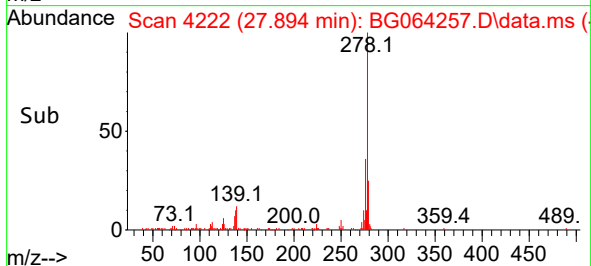
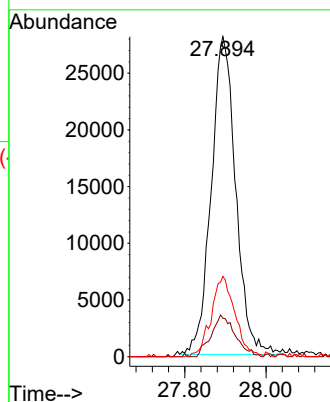
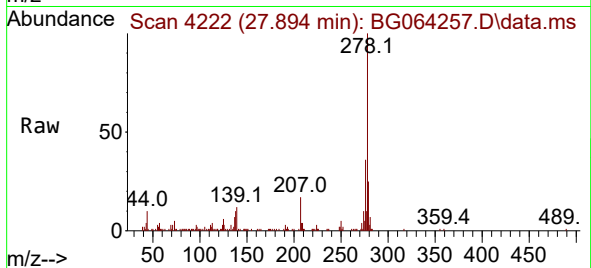
Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.0	13.4
279	25.1	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#92

Benzo(g,h,i)perylene

Concen: 9.241 ng

RT: 28.893 min Scan# 4392

Delta R.T. -0.042 min

Lab File: BG064257.D

Acq: 3 Sep 2025 17:08

Tgt Ion:276 Resp: 118686

Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.2	27.4
138	19.4	13.3	19.9

