

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064252.D
 Acq On : 3 Sep 2025 13:42
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 03 14:19:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	37507	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	165433	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	114866	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	235550	20.000	ng	0.00
76) Chrysene-d12	21.448	240	222539	20.000	ng	0.00
86) Perylene-d12	24.462	264	237940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	288113	137.815	ng	0.00
7) Phenol-d6	7.030	99	416117	144.882	ng	0.00
23) Nitrobenzene-d5	9.010	82	307048	103.511	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	200587	131.839	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	763901	101.508	ng	0.00
79) Terphenyl-d14	19.844	244	1091458	102.326	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.369	88	4317	4.954	ng	84
3) Pyridine	3.757	79	10625	4.142	ng	# 50
4) n-Nitrosodimethylamine	3.669	42	6538	3.854	ng	# 89
6) Aniline	7.183	93	17824	4.488	ng	95
8) 2-Chlorophenol	7.423	128	11488	4.497	ng	90
9) Benzaldehyde	6.995	77	11287	4.775	ng	90
10) Phenol	7.053	94	14666	4.632	ng	83
11) bis(2-Chloroethyl)ether	7.277	93	11118	4.672	ng	89
12) 1,3-Dichlorobenzene	7.741	146	12680m	4.666	ng	
13) 1,4-Dichlorobenzene	7.894	146	12745m	4.647	ng	
14) 1,2-Dichlorobenzene	8.205	146	12879	4.865	ng	94
15) Benzyl Alcohol	8.093	79	10646	4.017	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.375	45	22591	4.158	ng	97
17) 2-Methylphenol	8.293	107	9895	4.193	ng	90
18) Hexachloroethane	8.939	117	4155	3.881	ng	86
19) n-Nitroso-di-n-propyla...	8.657	70	9870	4.490	ng	# 98
20) 3+4-Methylphenols	8.622	107	13393	4.084	ng	# 87
22) Acetophenone	8.669	105	18594	4.443	ng	# 95
24) Nitrobenzene	9.045	77	15250	4.921	ng	# 93
25) Isophorone	9.568	82	27091	4.394	ng	97
26) 2-Nitrophenol	9.762	139	5748	4.292	ng	94
27) 2,4-Dimethylphenol	9.821	122	11939	5.078	ng	88
28) bis(2-Chloroethoxy)met...	10.056	93	14963	4.501	ng	# 93
29) 2,4-Dichlorophenol	10.291	162	10949	4.414	ng	84
30) 1,2,4-Trichlorobenzene	10.514	180	11948	4.568	ng	85
31) Naphthalene	10.696	128	37605	4.384	ng	98
32) Benzoic acid	9.915	122	4596m	2.463	ng	
33) 4-Chloroaniline	10.802	127	14798	4.451	ng	96
34) Hexachlorobutadiene	10.984	225	8743	4.522	ng	# 88
35) Caprolactam	11.542	113	3477	3.620	ng	# 79
36) 4-Chloro-3-methylphenol	11.924	107	13496	4.193	ng	92
37) 2-Methylnaphthalene	12.306	142	24921	3.908	ng	94
38) 1-Methylnaphthalene	12.523	142	26631m	4.228	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	15314	4.621	ng	97
41) Hexachlorocyclopentadiene	12.653	237	6240	3.962	ng	95
43) 2,4,6-Trichlorophenol	12.911	196	9909	4.473	ng	97

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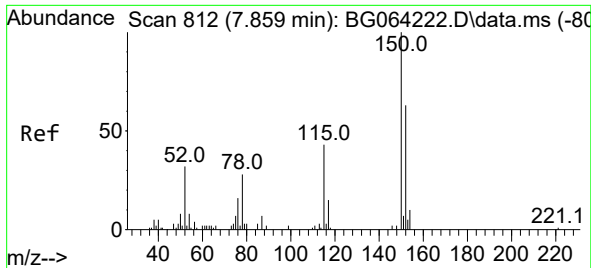
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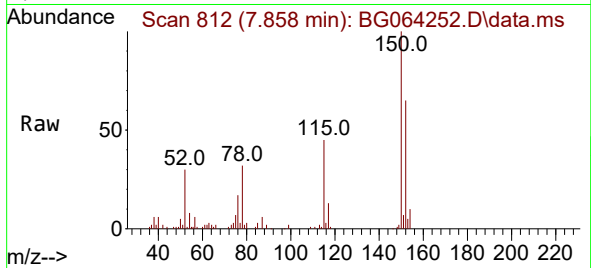
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	10722	4.462	ng	# 82
46) 1,1'-Biphenyl	13.317	154	39266	4.693	ng	95
47) 2-Chloronaphthalene	13.358	162	28776	4.575	ng	94
48) 2-Nitroaniline	13.557	65	9091	4.241	ng	# 80
49) Acenaphthylene	14.198	152	46042	4.952	ng	96
50) Dimethylphthalate	13.934	163	37659	4.331	ng	# 98
51) 2,6-Dinitrotoluene	14.051	165	7093	4.214	ng	# 89
52) Acenaphthene	14.545	154	28622	4.362	ng	90
53) 3-Nitroaniline	14.386	138	6128	3.476	ng	91
54) 2,4-Dinitrophenol	14.597	184	1460	6.885	ng	95
55) Dibenzofuran	14.879	168	46059	4.463	ng	97
56) 4-Nitrophenol	14.691	139	3352	2.318	ng	98
57) 2,4-Dinitrotoluene	14.838	165	10051	3.949	ng	# 97
58) Fluorene	15.526	166	37846	4.474	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.109	232	9591	4.150	ng	# 97
60) Diethylphthalate	15.303	149	35105	3.773	ng	96
61) 4-Chlorophenyl-phenyle...	15.520	204	17913	4.247	ng	92
62) 4-Nitroaniline	15.538	138	5641	3.135	ng	92
63) Azobenzene	15.820	77	36554	4.408	ng	95
65) 4,6-Dinitro-2-methylph...	15.608	198	4171	3.084	ng	89
66) n-Nitrosodiphenylamine	15.737	169	30821	4.757	ng	93
67) 4-Bromophenyl-phenylether	16.413	248	11761	4.701	ng	98
68) Hexachlorobenzene	16.530	284	13933	5.015	ng	# 91
69) Atrazine	16.683	200	10593	3.915	ng	91
70) Pentachlorophenol	16.877	266	5292	3.141	ng	# 74
71) Phenanthrene	17.265	178	53637	4.317	ng	95
72) Anthracene	17.353	178	56140	4.442	ng	95
73) Carbazole	17.623	167	43820	3.936	ng	99
74) Di-n-butylphthalate	18.187	149	54030	4.040	ng	98
75) Fluoranthene	19.274	202	57955	3.967	ng	99
77) Benzidine	19.456	184	19875	4.245	ng	# 91
78) Pyrene	19.633	202	60915	4.345	ng	98
80) Butylbenzylphthalate	20.532	149	25832	4.885	ng	96
81) Benzo(a)anthracene	21.431	228	63161	4.436	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	22722	4.900	ng	# 92
83) Chrysene	21.495	228	61194	4.477	ng	99
84) Bis(2-ethylhexyl)phtha...	21.360	149	39781	5.011	ng	94
85) Di-n-octyl phthalate	22.500	149	64788	4.683	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.847	276	72676	4.473	ng	# 90
88) Benzo(b)fluoranthene	23.505	252	62677m	4.667	ng	
89) Benzo(k)fluoranthene	23.563	252	63151m	4.616	ng	
90) Benzo(a)pyrene	24.315	252	58197	4.659	ng	# 97
91) Dibenzo(a,h)anthracene	27.900	278	57819	4.432	ng	98
92) Benzo(g,h,i)perylene	28.887	276	58802	4.632	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 812
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

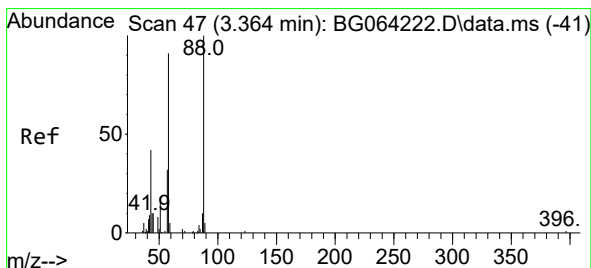
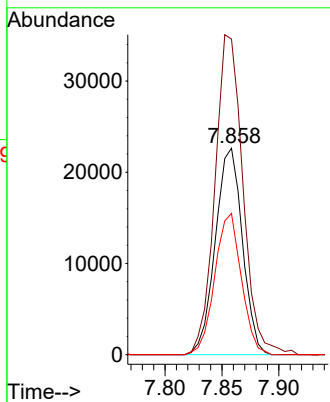
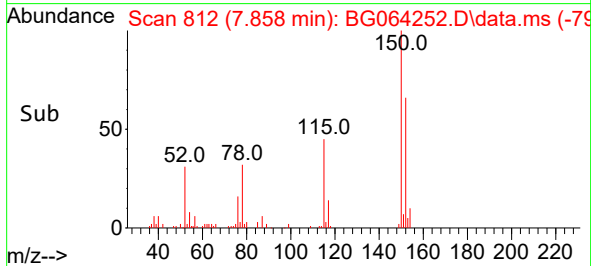
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



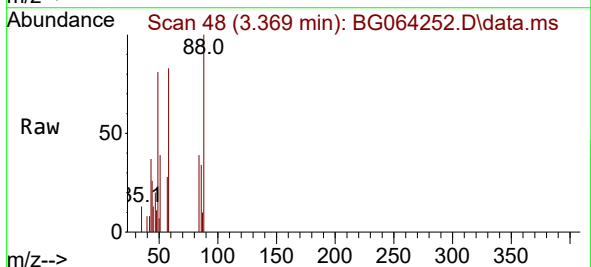
Tgt Ion:152 Resp: 3750
Ion Ratio Lower Upper
152 100
150 152.9 128.0 192.0
115 68.4 55.7 83.5

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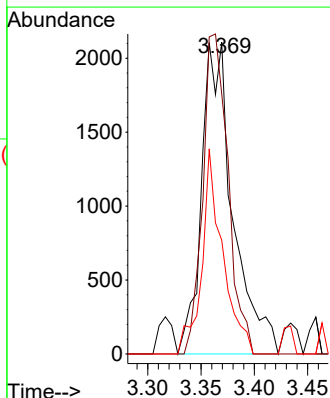
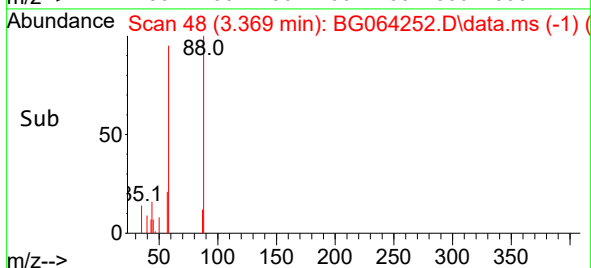
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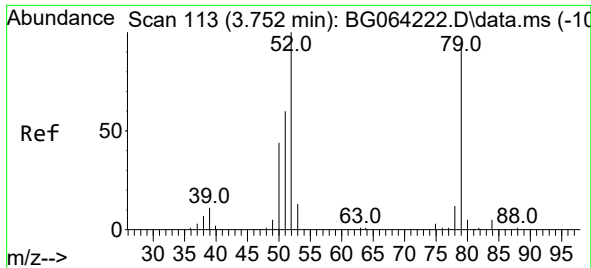


#2
1,4-Dioxane
Concen: 4.954 ng
RT: 3.369 min Scan# 48
Delta R.T. 0.011 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



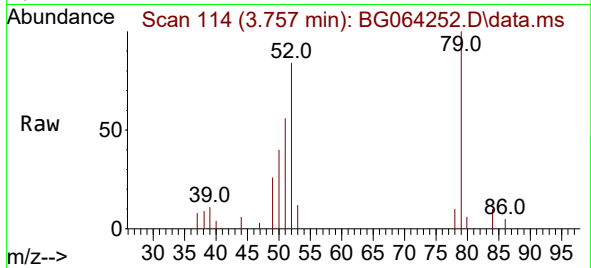
Tgt Ion: 88 Resp: 4317
Ion Ratio Lower Upper
88 100
58 82.6 80.8 121.2
43 43.5 40.3 60.5





#3
Pyridine
Concen: 4.142 ng
RT: 3.757 min Scan# 113
Delta R.T. 0.005 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

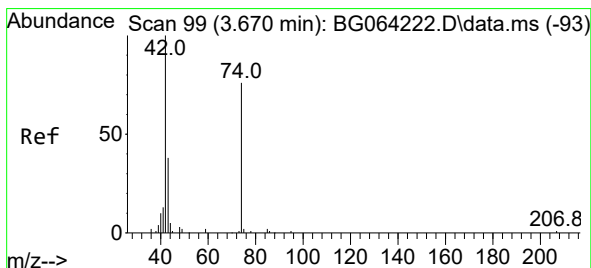
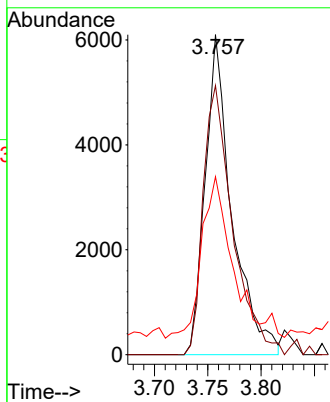
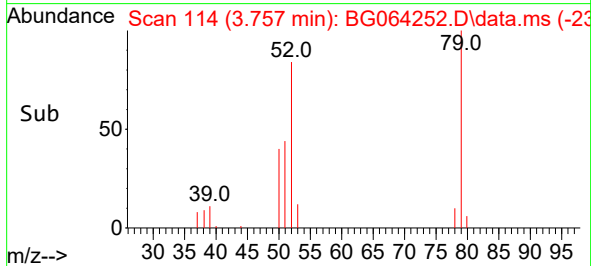
Instrument :
BNA_G
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LOD-MDL-SOIL-03-QT2-2025



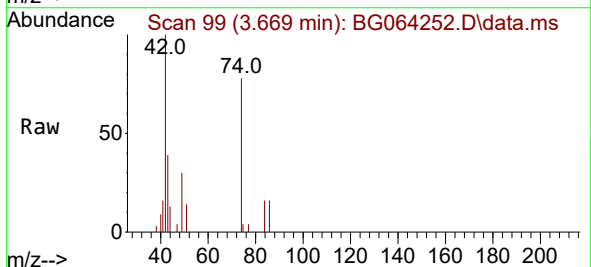
Tgt Ion: 79 Resp: 1062
Ion Ratio Lower Upper
79 100
52 84.1 86.6 129.8
51 55.6 114.1 171.1

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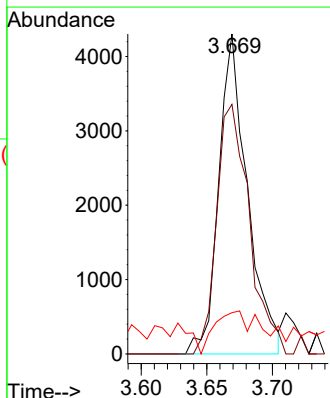
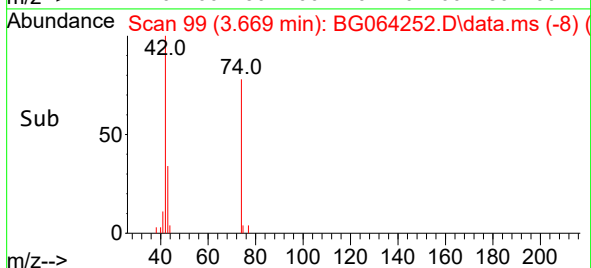
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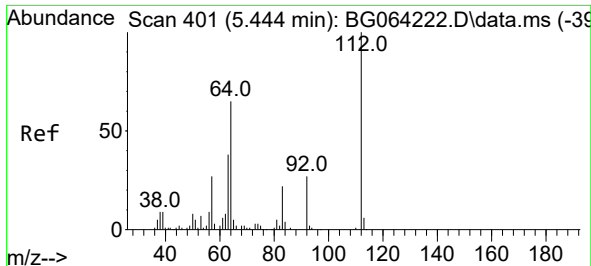


#4
n-Nitrosodimethylamine
Concen: 3.854 ng
RT: 3.669 min Scan# 99
Delta R.T. 0.005 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



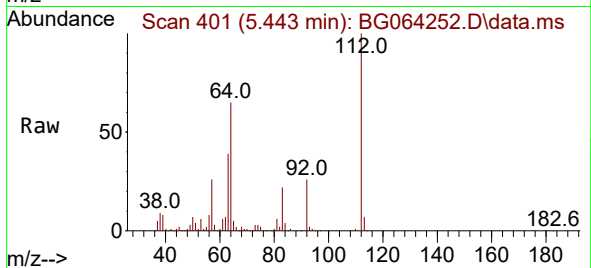
Tgt Ion: 42 Resp: 6538
Ion Ratio Lower Upper
42 100
74 81.5 58.0 87.0
44 12.9 5.5 8.3





#5
2-Fluorophenol
Concen: 137.815 ng
RT: 5.443 min Scan# 401
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

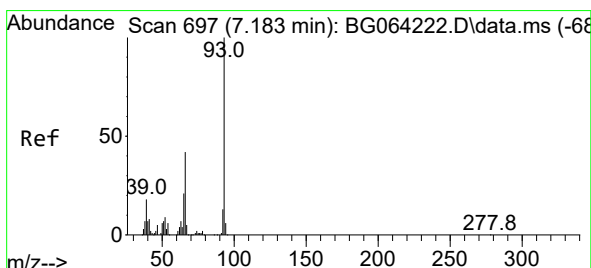
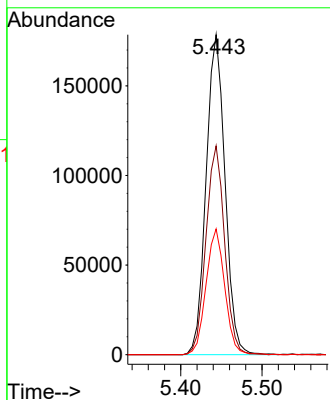
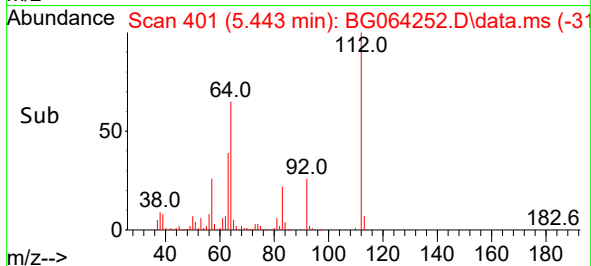
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LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:112 Resp: 28811
Ion Ratio Lower Upper
112 100
64 65.3 51.8 77.6
63 39.3 30.6 45.8

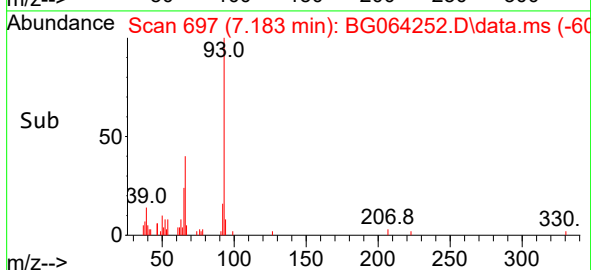
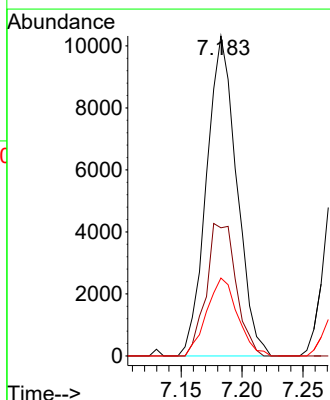
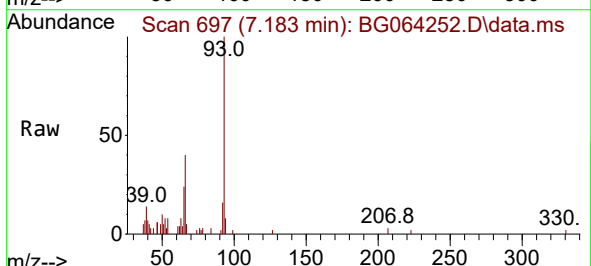
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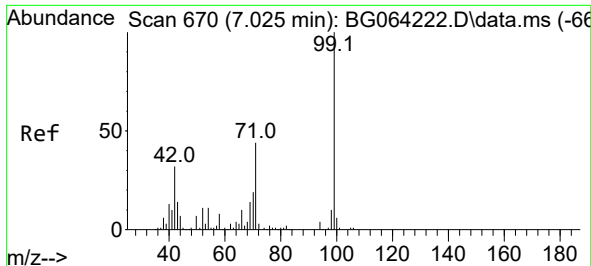
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#6
Aniline
Concen: 4.488 ng
RT: 7.183 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

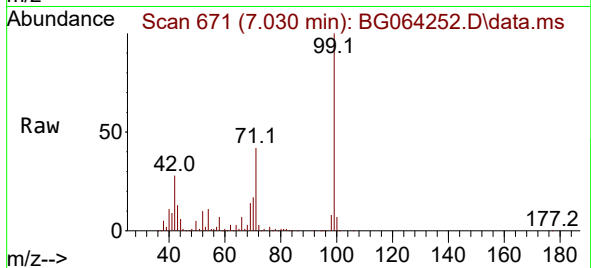
Tgt Ion: 93 Resp: 17824
Ion Ratio Lower Upper
93 100
66 40.1 33.8 50.8
65 24.3 16.9 25.3





#7
Phenol-d6
Concen: 144.882 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

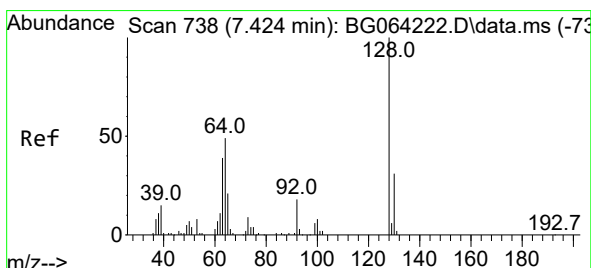
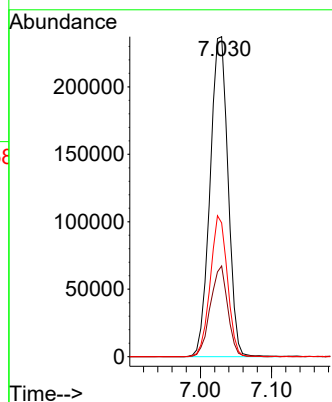
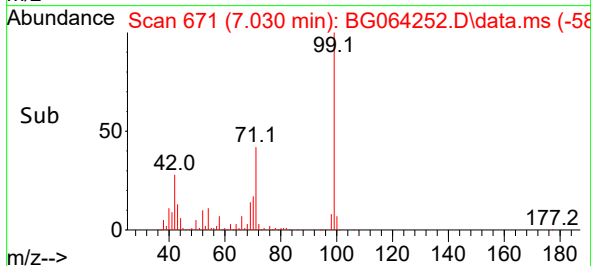
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LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 99 Resp: 41611
Ion Ratio Lower Upper
99 100
42 28.4 25.8 38.8
71 41.8 35.2 52.8

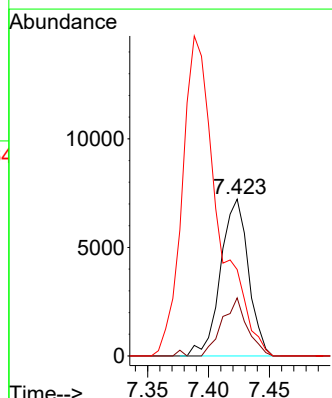
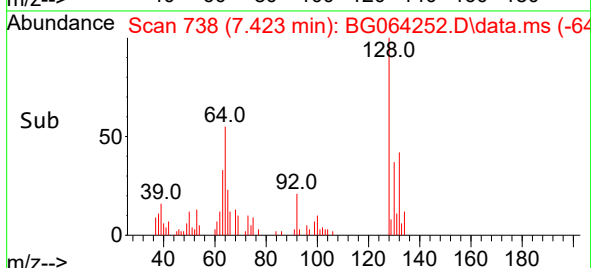
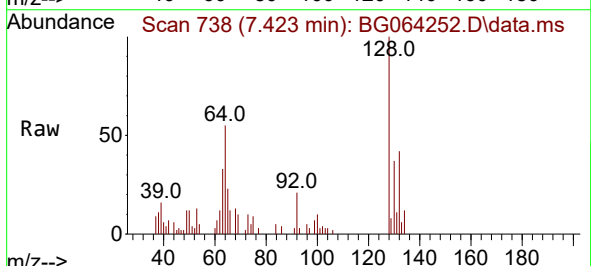
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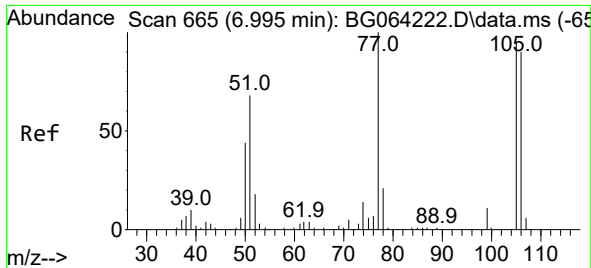
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#8
2-Chlorophenol
Concen: 4.497 ng
RT: 7.423 min Scan# 738
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

Tgt Ion:128 Resp: 11488
Ion Ratio Lower Upper
128 100
130 37.1 10.9 50.9
64 55.1 28.7 68.7





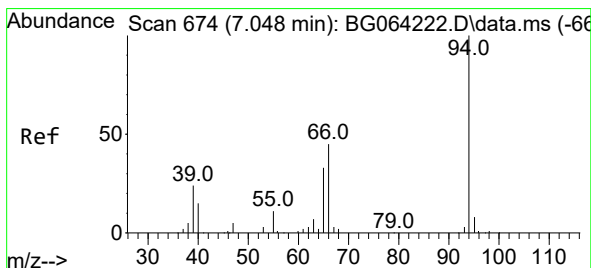
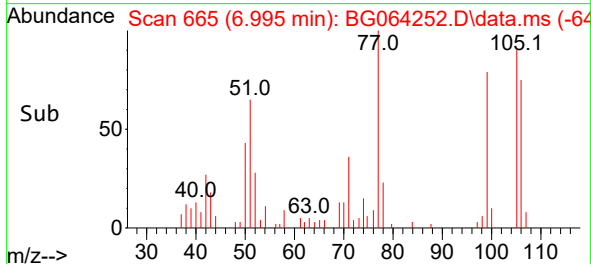
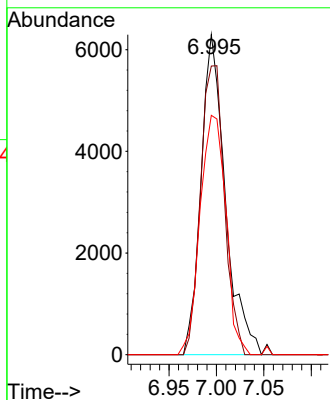
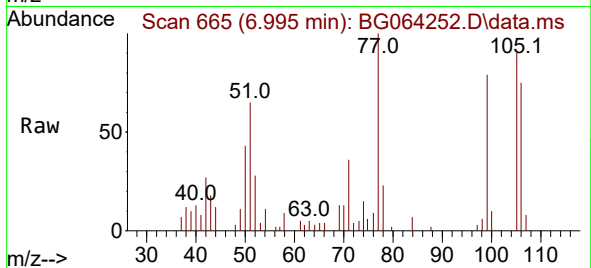
#9
Benzaldehyde
Concen: 4.775 ng
RT: 6.995 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

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

Tgt Ion: 77 Resp: 1128
Ion Ratio Lower Upper
77 100
105 90.2 75.2 115.2
106 74.8 69.6 109.6

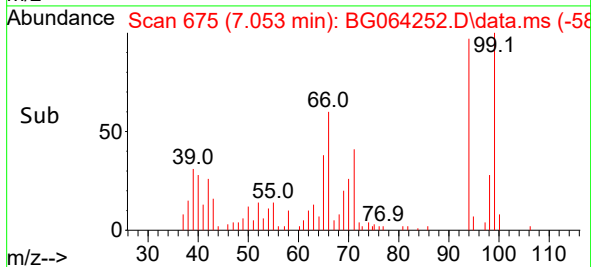
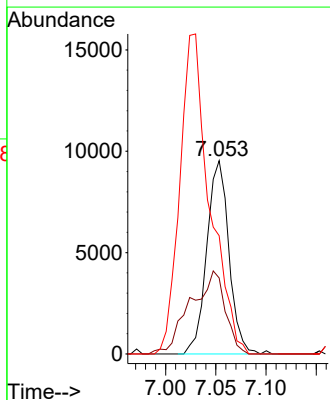
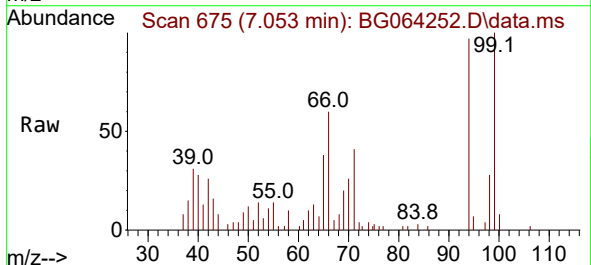
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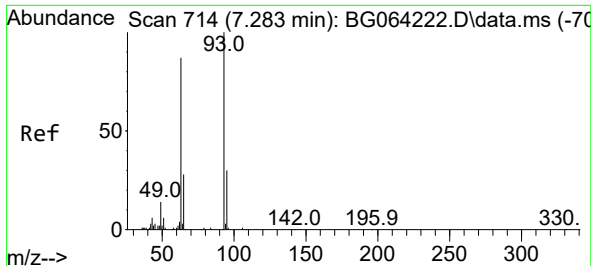
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#10
Phenol
Concen: 4.632 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

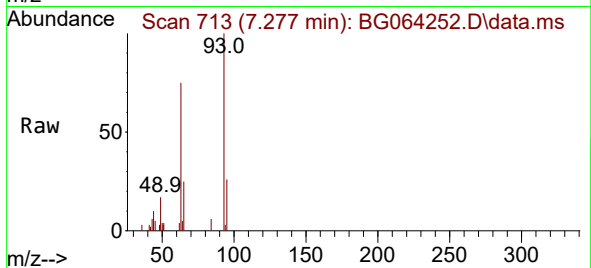
Tgt Ion: 94 Resp: 14666
Ion Ratio Lower Upper
94 100
65 39.3 13.5 53.5
66 61.2 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 4.672 ng
RT: 7.277 min Scan# 713
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

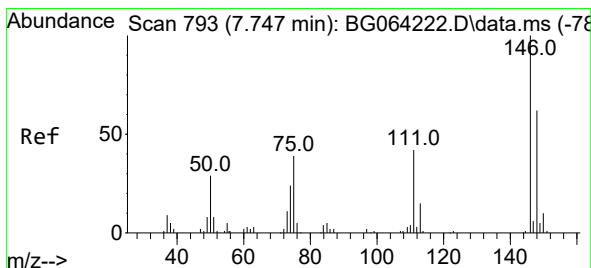
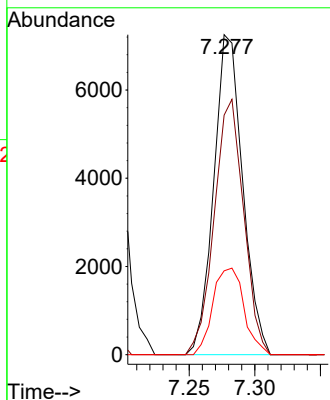
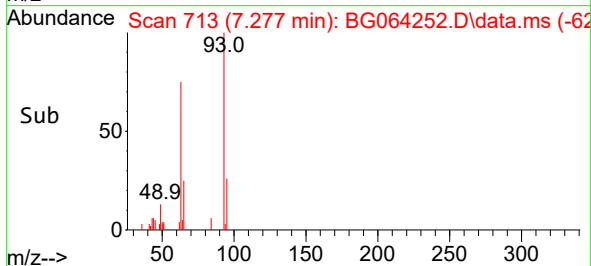
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



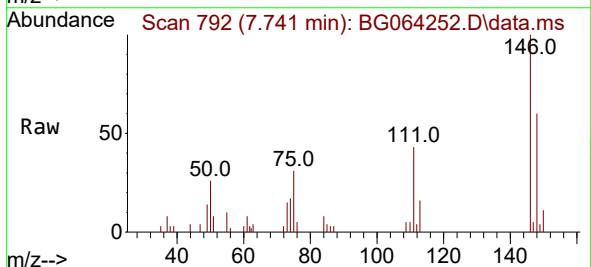
Tgt Ion: 93 Resp: 11118
Ion Ratio Lower Upper
93 100
63 74.9 66.2 106.2
95 26.2 9.8 49.8

Manual Integrations
APPROVED

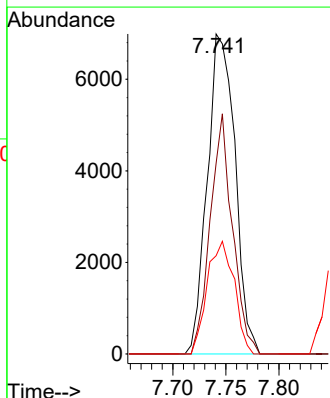
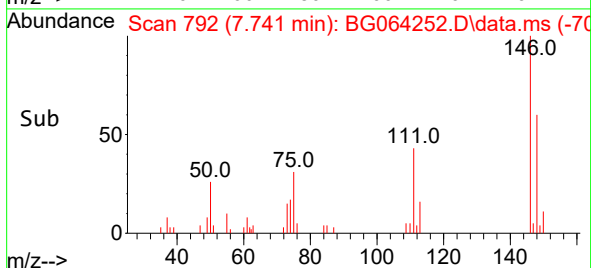
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

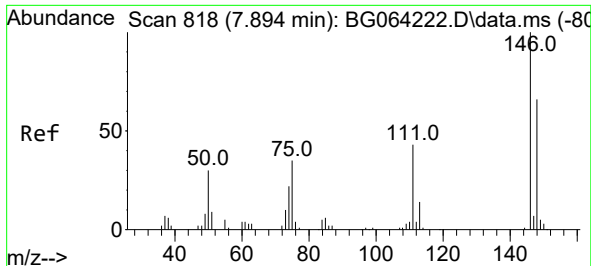


#12
1,3-Dichlorobenzene
Concen: 4.666 ng m
RT: 7.741 min Scan# 792
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



Tgt Ion:146 Resp: 12680
Ion Ratio Lower Upper
146 100
148 59.6 49.6 74.4
75 30.7 31.0 46.6#





#13

1,4-Dichlorobenzene

Concen: 4.647 ng m

RT: 7.894 min Scan# 818

Delta R.T. -0.001 min

Lab File: BG064252.D

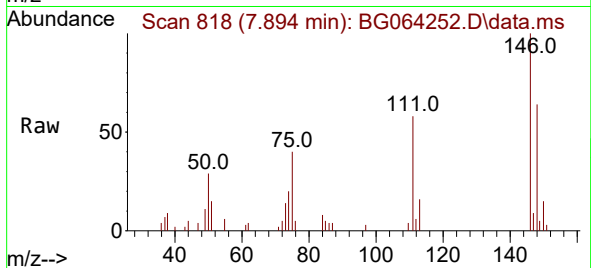
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



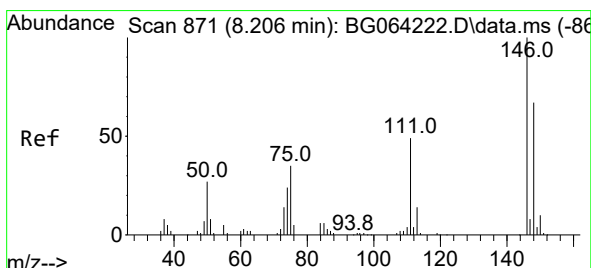
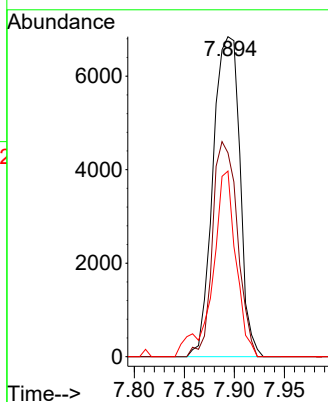
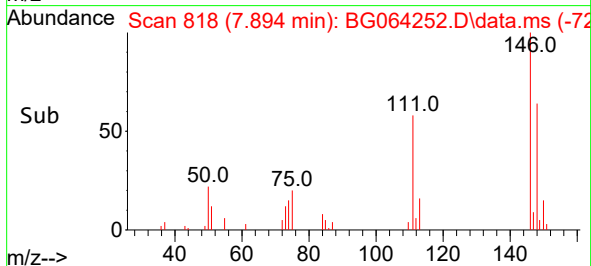
Tgt Ion:146	Resp:	1274
Ion Ratio	Lower	Upper
146	100	
148	63.7	52.8 79.2
111	58.0	34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#14

1,2-Dichlorobenzene

Concen: 4.865 ng

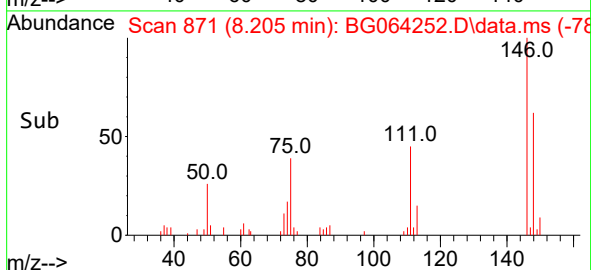
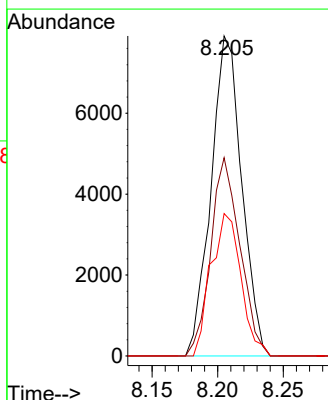
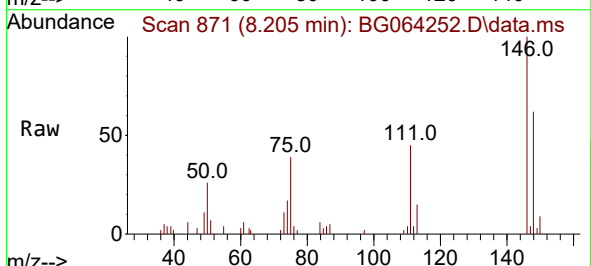
RT: 8.205 min Scan# 871

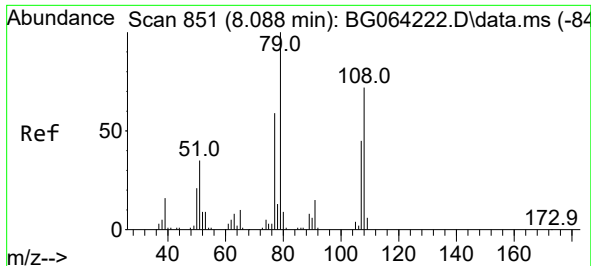
Delta R.T. -0.007 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:146	Resp:	12879
Ion Ratio	Lower	Upper
146	100	
148	61.9	53.4 80.0
111	44.5	39.1 58.7





#15

Benzyl Alcohol

Concen: 4.017 ng

RT: 8.093 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 79 Resp: 10640

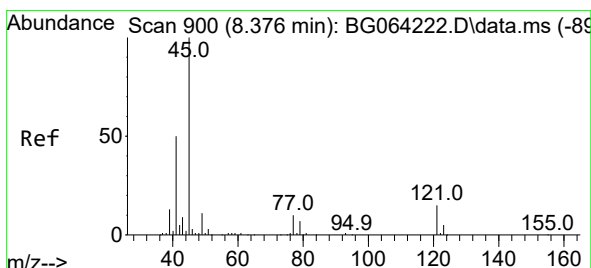
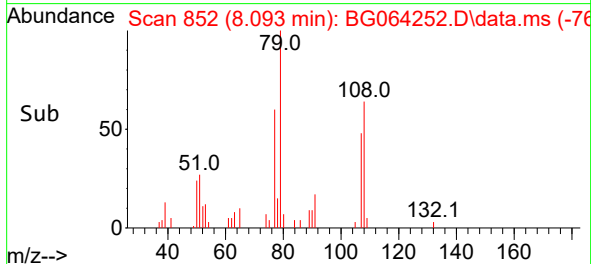
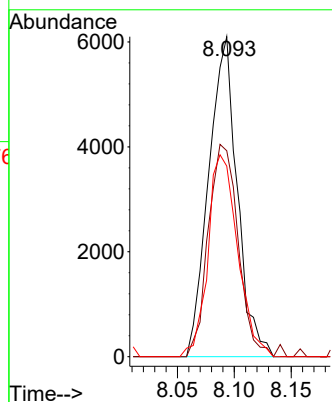
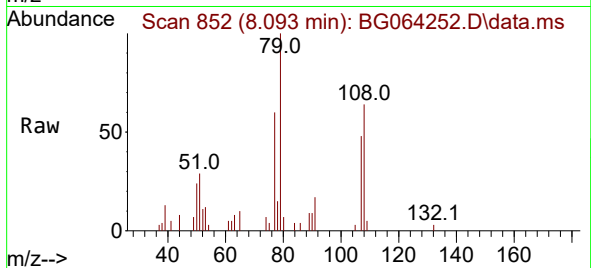
Ion	Ratio	Lower	Upper
79	100		
108	64.3	57.4	86.0
77	59.5	47.2	70.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.158 ng

RT: 8.375 min Scan# 900

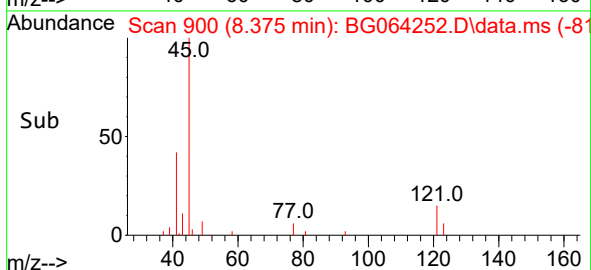
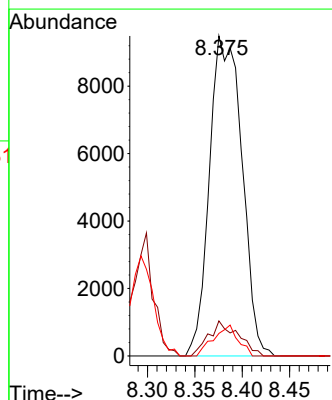
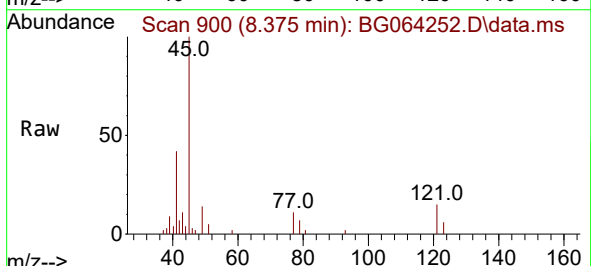
Delta R.T. -0.001 min

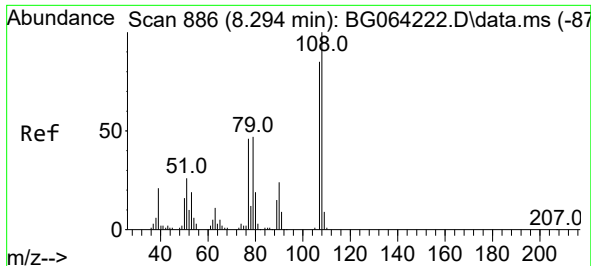
Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion: 45 Resp: 22591

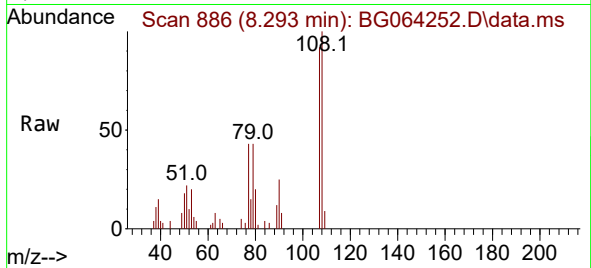
Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	30.0
79	7.0	0.0	27.9





#17
2-Methylphenol
Concen: 4.193 ng
RT: 8.293 min Scan# 886
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

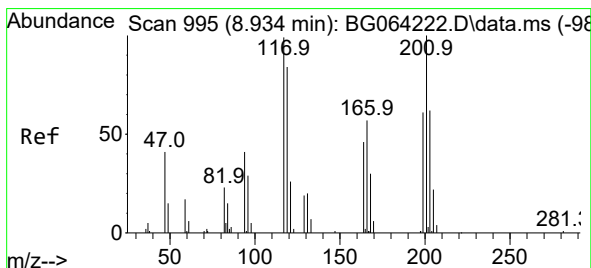
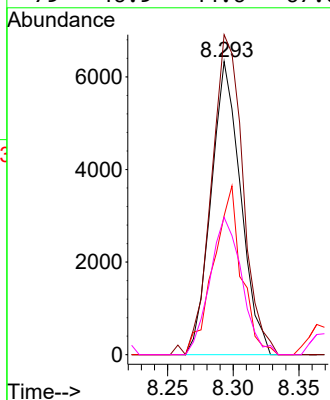
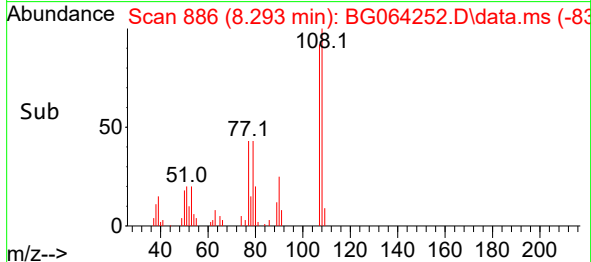
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



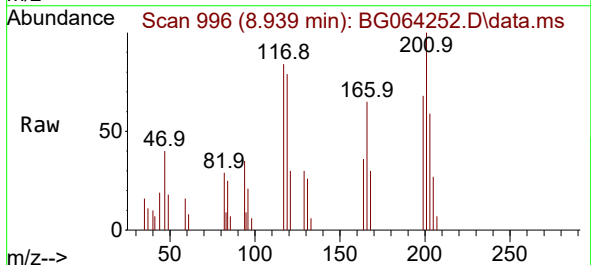
Tgt Ion:	107	Resp:	989
Ion	Ratio	Lower	Upper
107	100		
108	109.2	94.6	141.8
77	47.4	43.7	65.5
79	46.9	44.6	67.0

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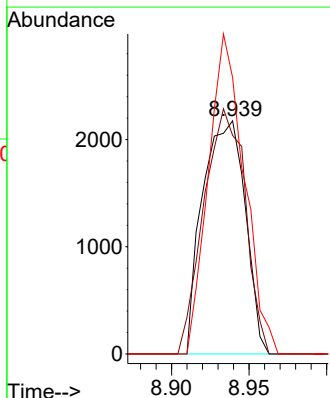
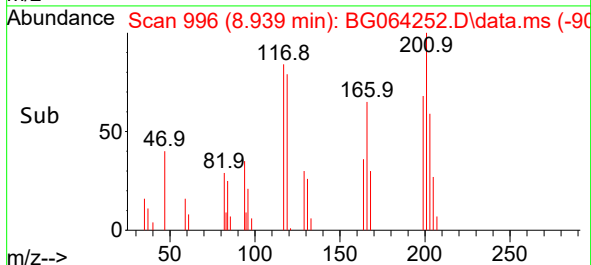
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

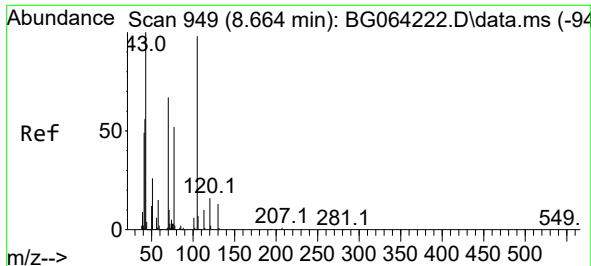


#18
Hexachloroethane
Concen: 3.881 ng
RT: 8.939 min Scan# 996
Delta R.T. 0.005 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



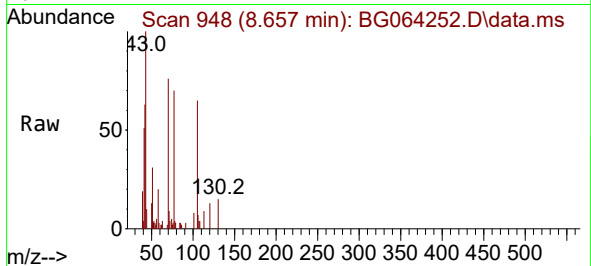
Tgt Ion:	117	Resp:	4155
Ion	Ratio	Lower	Upper
117	100		
119	93.7	67.9	101.9
201	118.6	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.490 ng
RT: 8.657 min Scan# 949
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

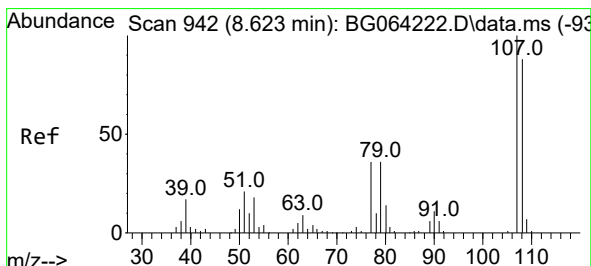
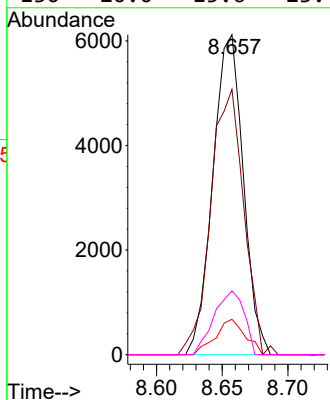
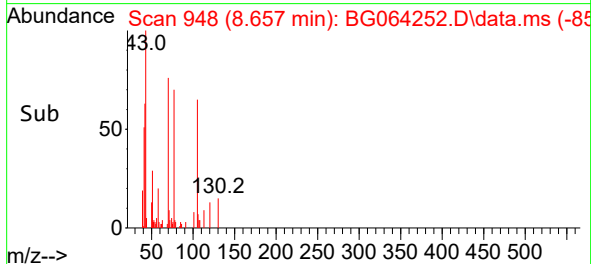
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



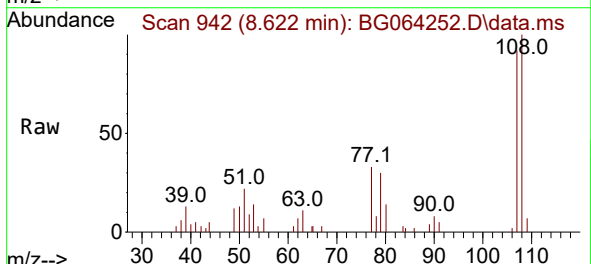
Tgt Ion: 70 Resp: 9870
Ion Ratio Lower Upper
70 100
42 82.9 67.9 101.9
101 11.0 7.3 10.9
130 20.0 15.6 23.4

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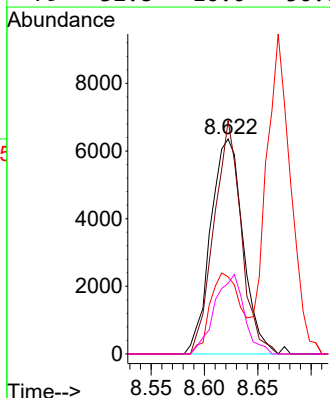
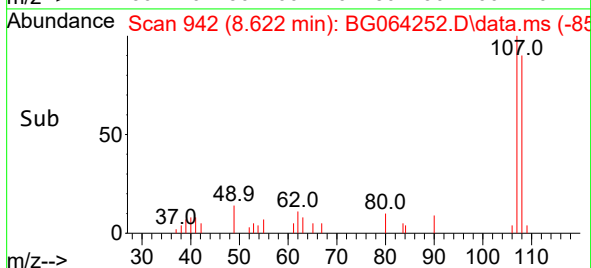
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

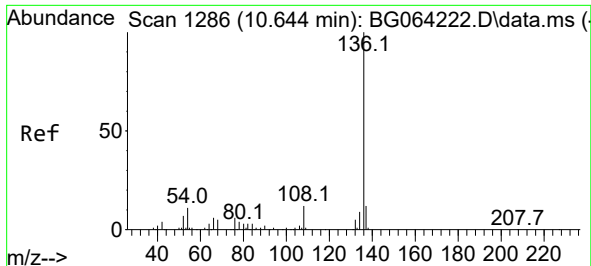


#20
3+4-Methylphenols
Concen: 4.084 ng
RT: 8.622 min Scan# 942
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



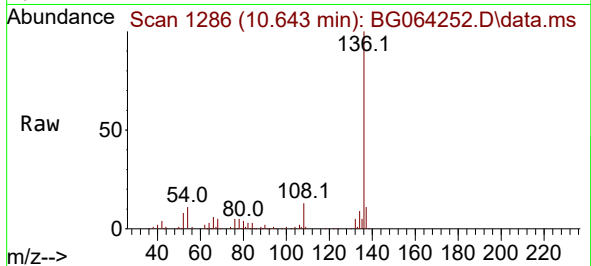
Tgt Ion:107 Resp: 13393
Ion Ratio Lower Upper
107 100
108 108.5 68.1 108.1#
77 35.9 15.9 55.9
79 32.8 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

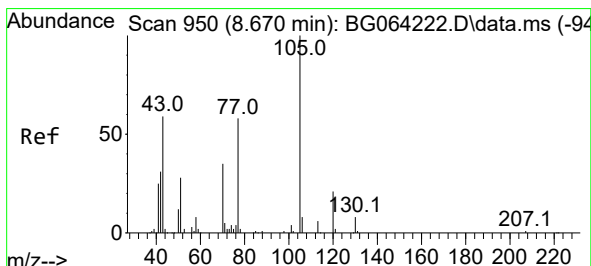
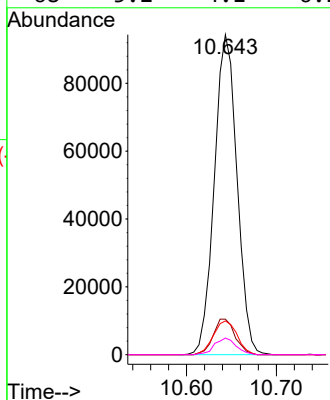
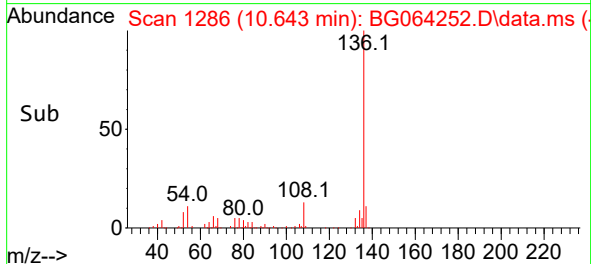
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 16543
Ion Ratio Lower Upper
136 100
137 11.1 9.6 14.4
54 10.6 8.8 13.2
68 5.2 4.1 6.1

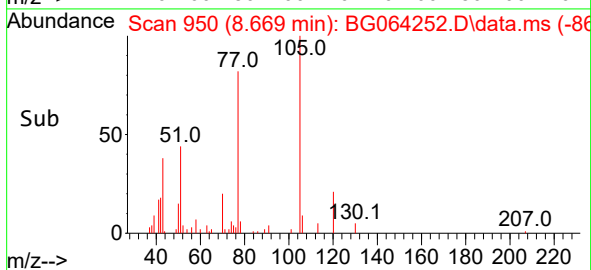
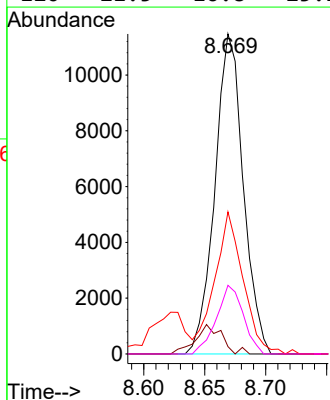
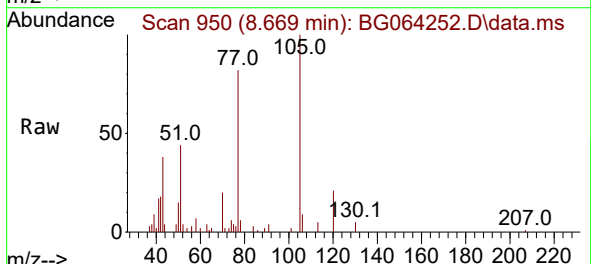
Manual Integrations
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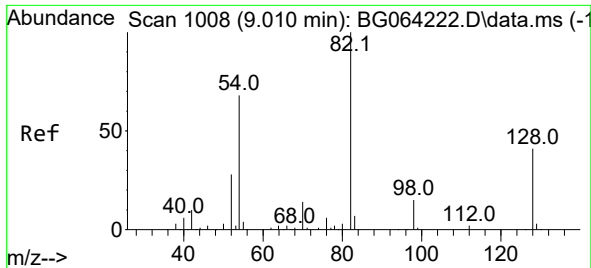
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#22
Acetophenone
Concen: 4.443 ng
RT: 8.669 min Scan# 950
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

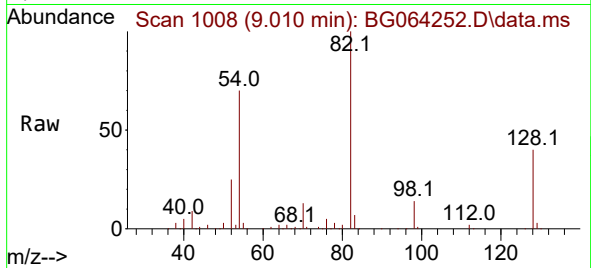
Tgt Ion:105 Resp: 18594
Ion Ratio Lower Upper
105 100
71 2.3 4.3 6.5#
51 44.4 32.4 48.6
120 21.5 16.8 25.2





#23
Nitrobenzene-d5
Concen: 103.511 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

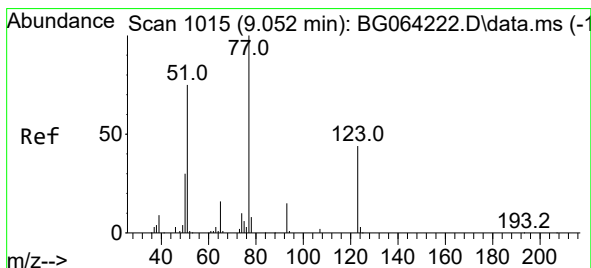
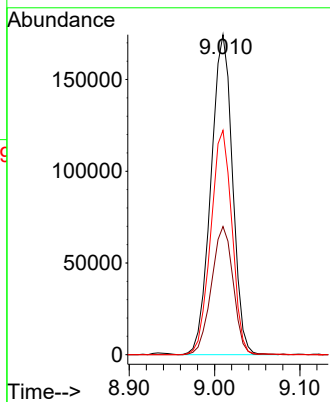
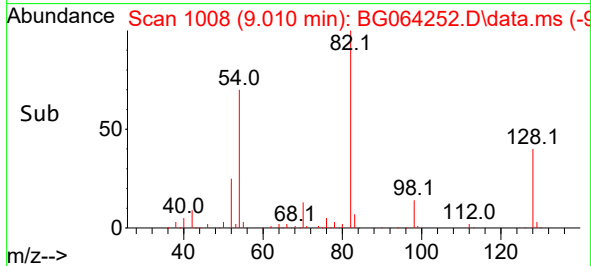
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



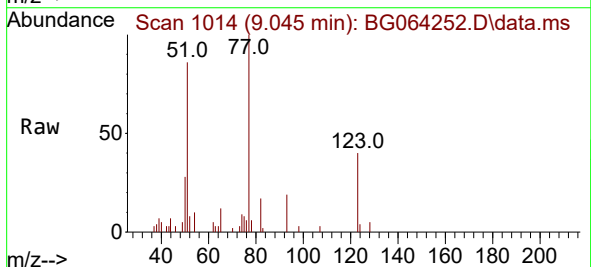
Tgt Ion: 82 Resp: 307048
Ion Ratio Lower Upper
82 100
128 40.0 32.6 48.8
54 70.1 54.7 82.1

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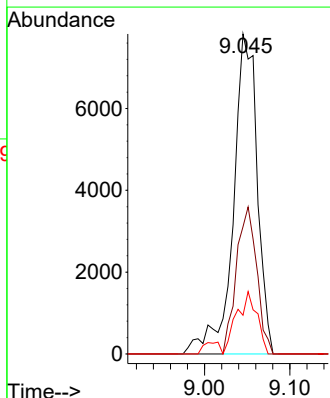
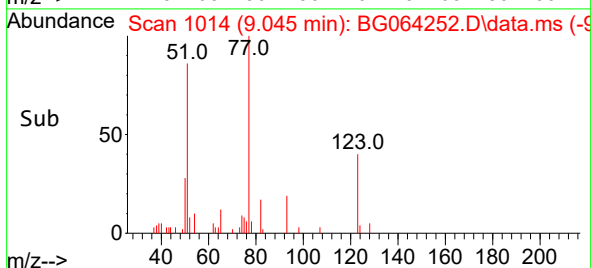
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

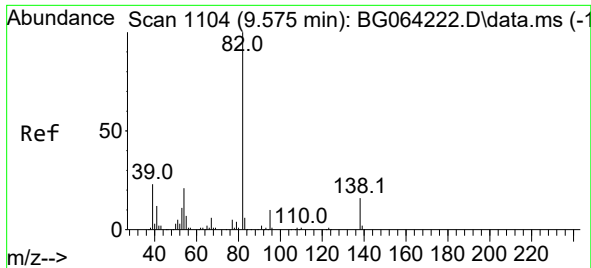


#24
Nitrobenzene
Concen: 4.921 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.013 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



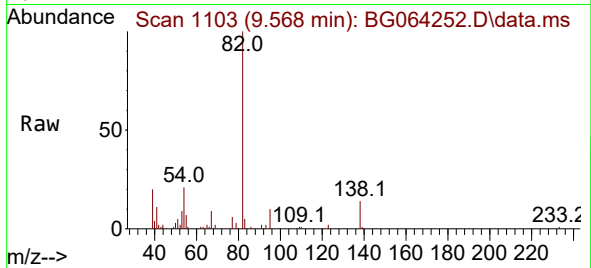
Tgt Ion: 77 Resp: 15250
Ion Ratio Lower Upper
77 100
123 39.8 35.2 52.8
65 12.1 12.6 19.0#





#25
Isophorone
Concen: 4.394 ng
RT: 9.568 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

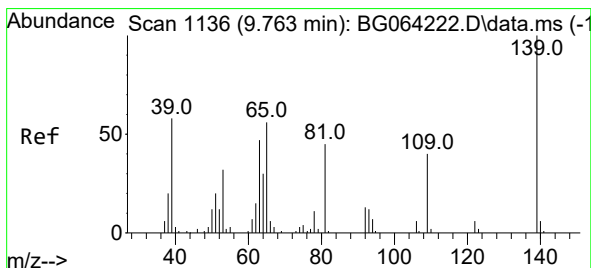
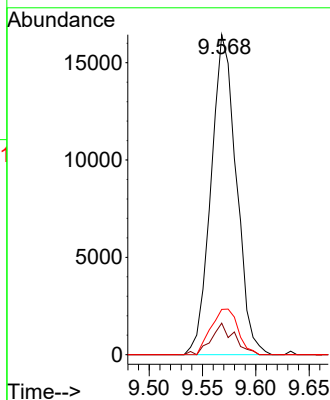
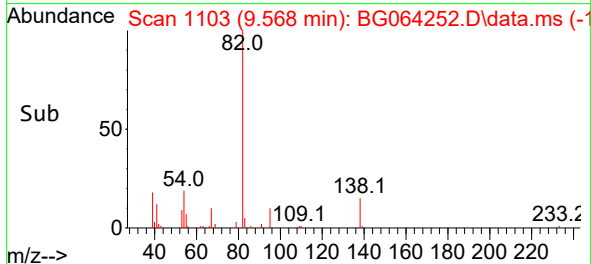
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



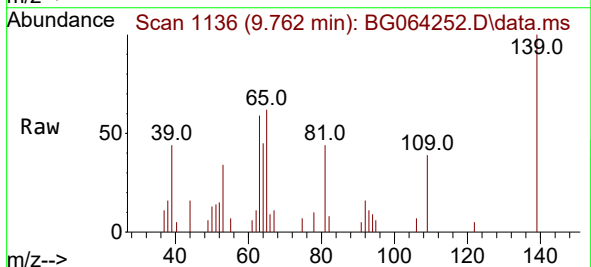
Tgt Ion: 82 Resp: 2709
Ion Ratio Lower Upper
82 100
95 9.9 7.9 11.9
138 14.2 13.0 19.4

Manual Integrations
APPROVED

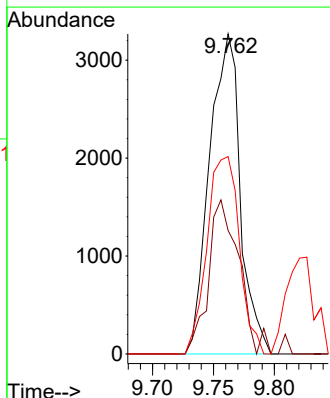
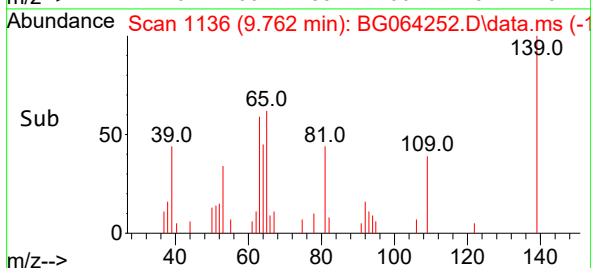
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

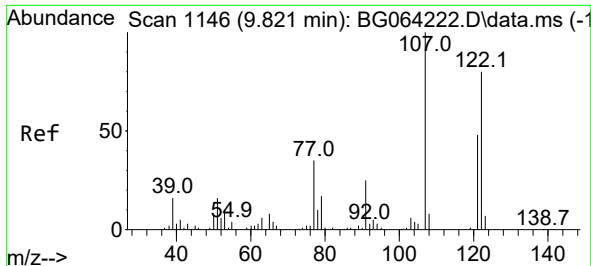


#26
2-Nitrophenol
Concen: 4.292 ng
RT: 9.762 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



Tgt Ion:139 Resp: 5748
Ion Ratio Lower Upper
139 100
109 38.6 32.4 48.6
65 61.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 5.078 ng

RT: 9.821 min Scan# 1146

Delta R.T. -0.007 min

Lab File: BG064252.D

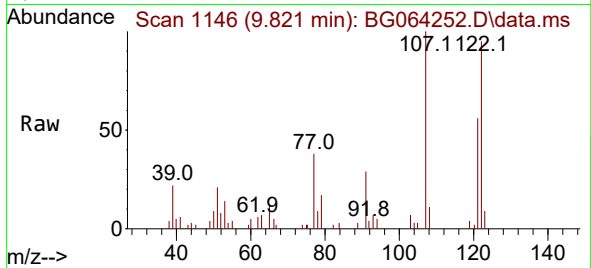
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



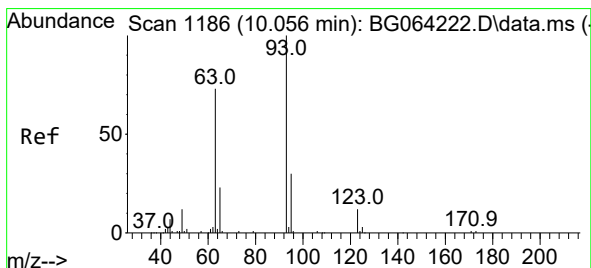
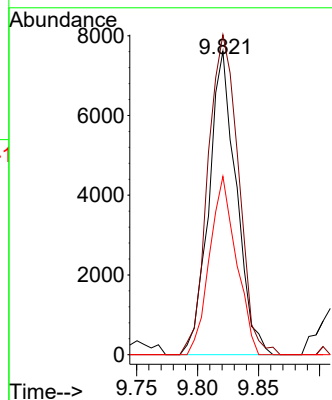
Tgt Ion:	122	Resp:	11939
Ion Ratio	100	Lower	Upper
122	100		
107	105.5	99.9	149.9
121	58.7	48.6	72.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 4.501 ng

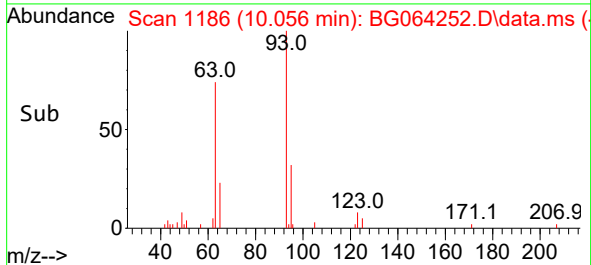
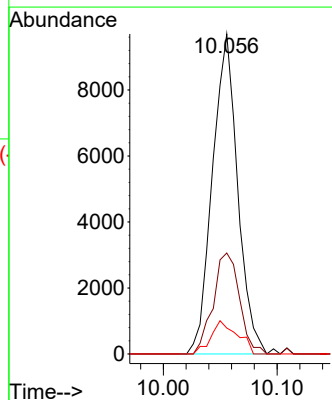
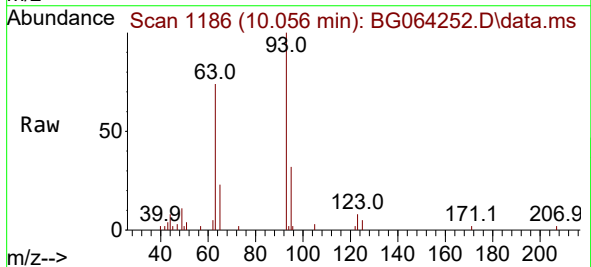
RT: 10.056 min Scan# 1186

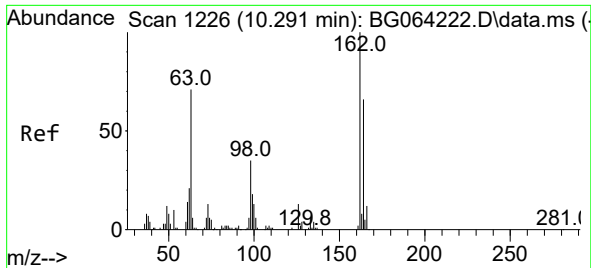
Delta R.T. -0.007 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:	93	Resp:	14963
Ion Ratio	100	Lower	Upper
93	100		
95	33.1	23.9	35.9
123	8.1	9.6	14.4





#29

2,4-Dichlorophenol

Concen: 4.414 ng

RT: 10.291 min Scan# 1226

Delta R.T. -0.007 min

Lab File: BG064252.D

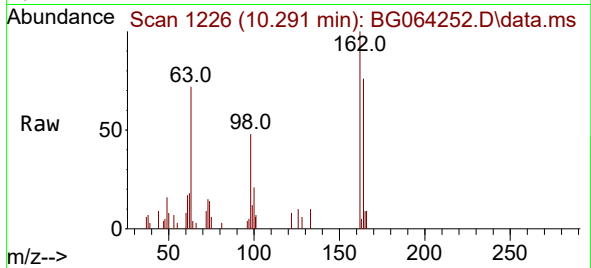
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



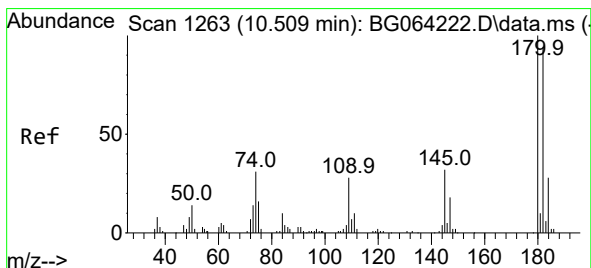
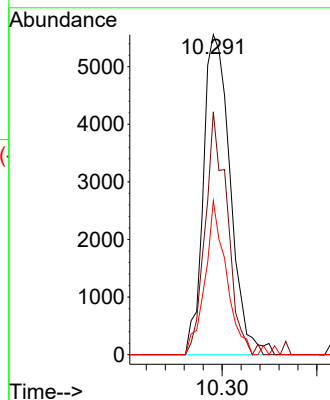
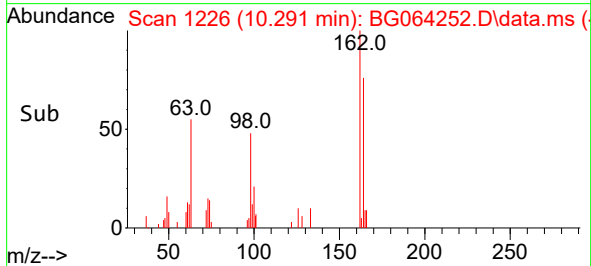
Tgt Ion:	162	Resp:	10949
Ion Ratio	Lower	Upper	
162	100		
164	75.9	45.8	85.8
98	48.1	15.2	55.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 4.568 ng

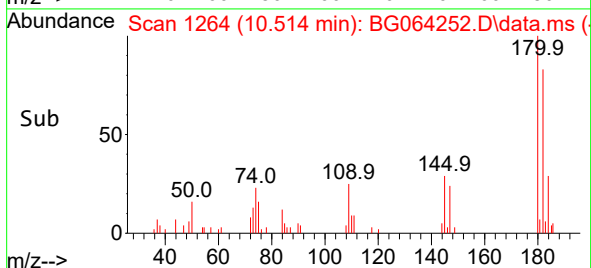
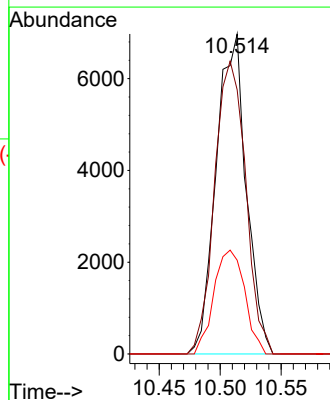
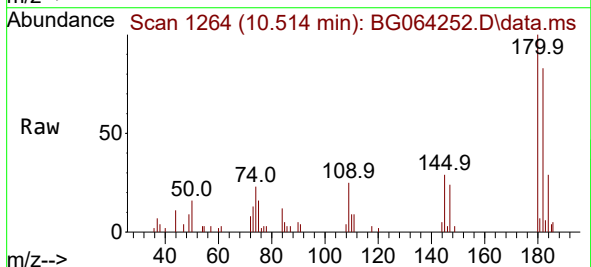
RT: 10.514 min Scan# 1264

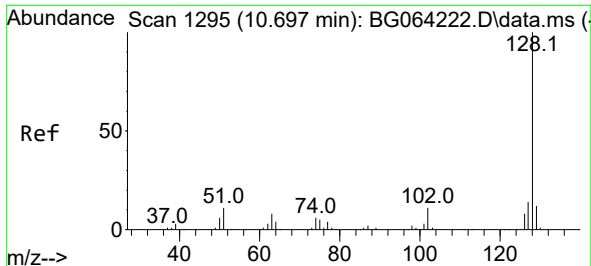
Delta R.T. 0.005 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

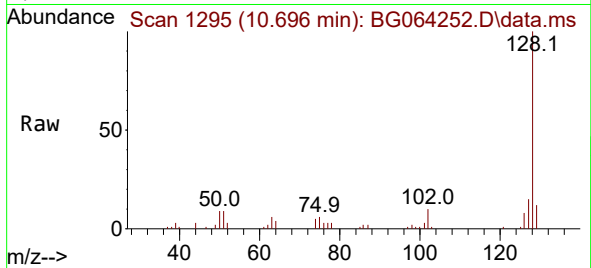
Tgt Ion:	180	Resp:	11948
Ion Ratio	Lower	Upper	
180	100		
182	77.1	75.0	112.6
145	27.4	25.4	38.0





#31
Naphthalene
Concen: 4.384 ng
RT: 10.696 min Scan# 1162
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

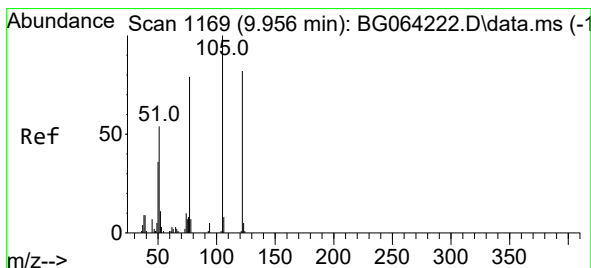
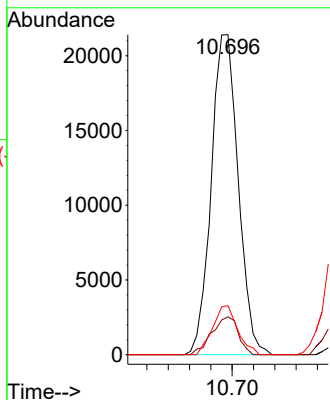
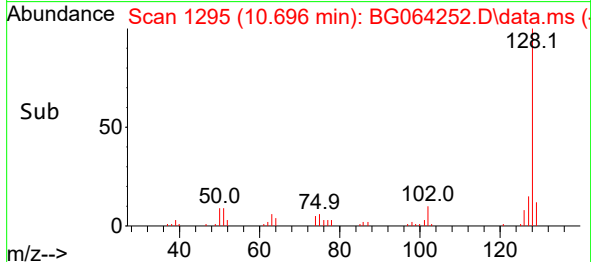
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 3760
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 15.3 10.9 16.3

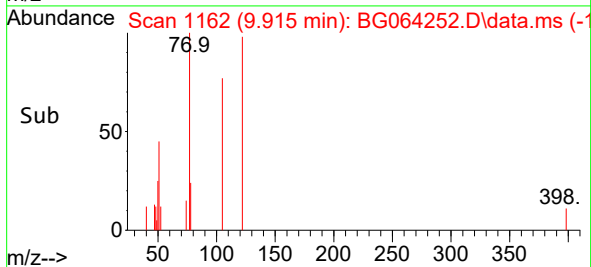
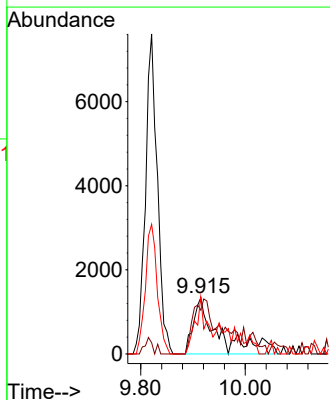
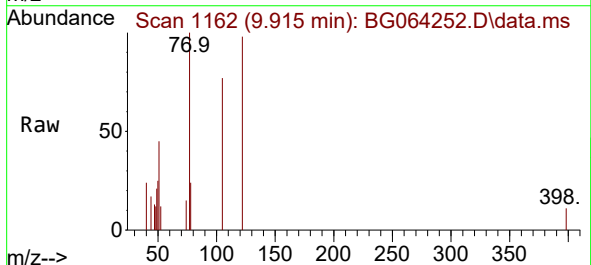
Manual Integrations
APPROVED

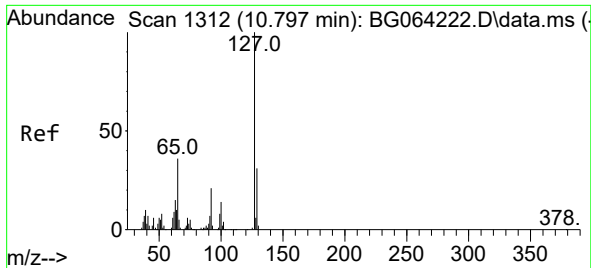
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#32
Benzoic acid
Concen: 2.463 ng m
RT: 9.915 min Scan# 1162
Delta R.T. -0.101 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

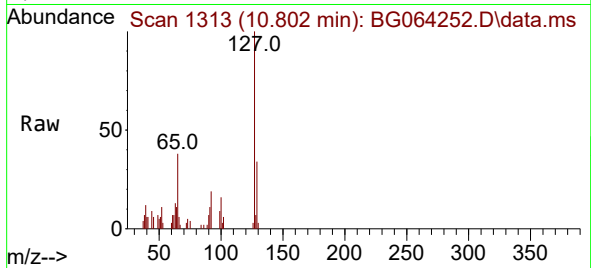
Tgt Ion:122 Resp: 4596
Ion Ratio Lower Upper
122 100
105 78.1 98.5 138.5#
77 101.7 74.6 114.6





#33
4-Chloroaniline
Concen: 4.451 ng
RT: 10.802 min Scan# 1313
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

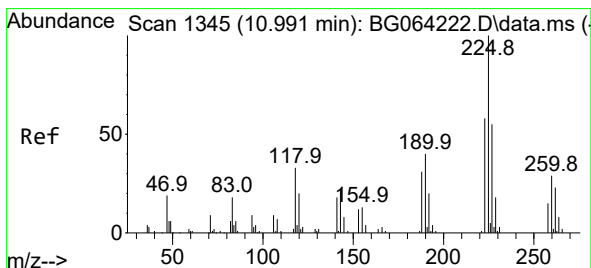
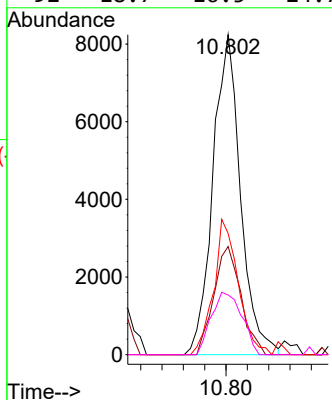
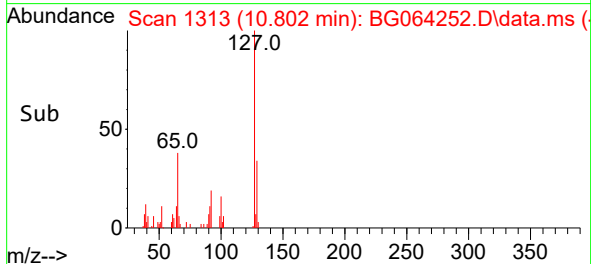
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:127 Resp: 14798
Ion Ratio Lower Upper
127 100
129 33.8 25.0 37.4
65 37.9 28.7 43.1
92 18.7 16.5 24.7

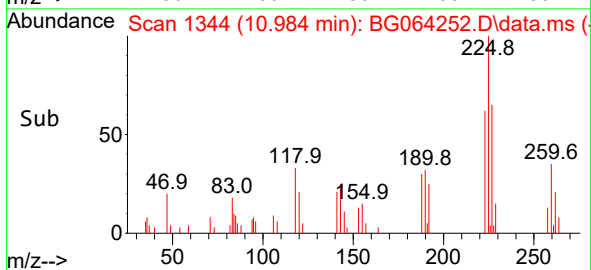
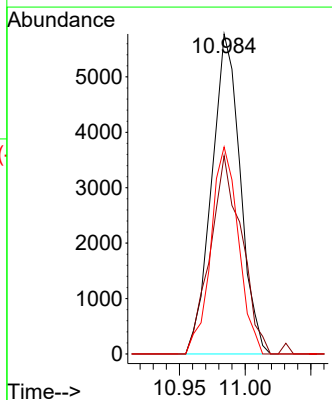
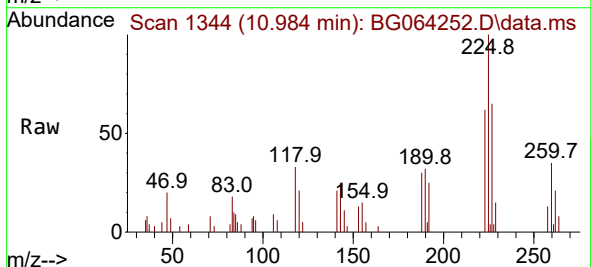
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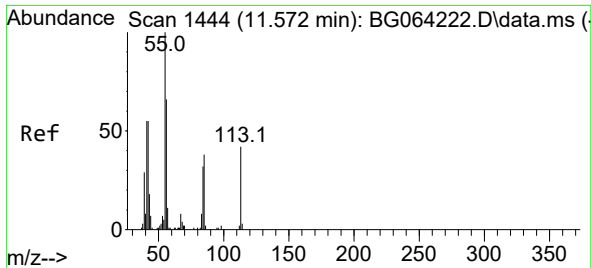
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#34
Hexachlorobutadiene
Concen: 4.522 ng
RT: 10.984 min Scan# 1344
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

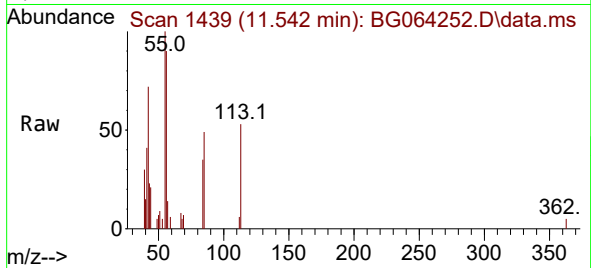
Tgt Ion:225 Resp: 8743
Ion Ratio Lower Upper
225 100
223 61.9 46.5 69.7
227 69.0 44.1 66.1#





#35
Caprolactam
Concen: 3.620 ng
RT: 11.542 min Scan# 1444
Delta R.T. -0.060 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

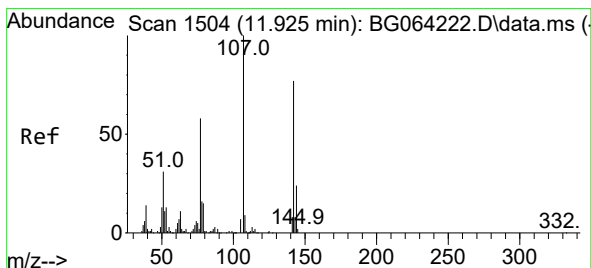
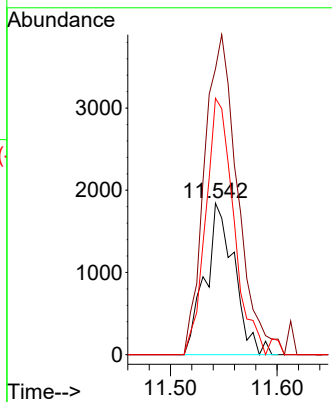
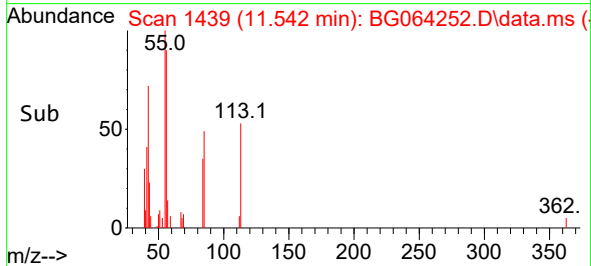
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:113 Resp: 3470
Ion Ratio Lower Upper
113 100
55 188.6 218.5 258.5
56 169.2 138.5 178.5

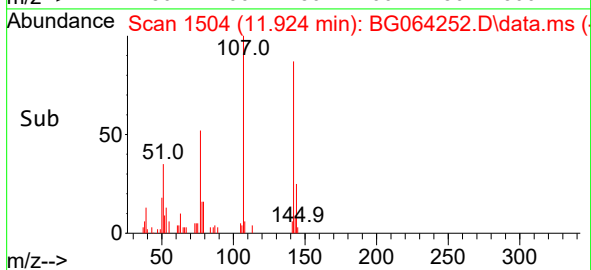
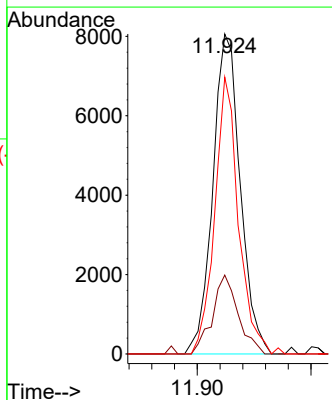
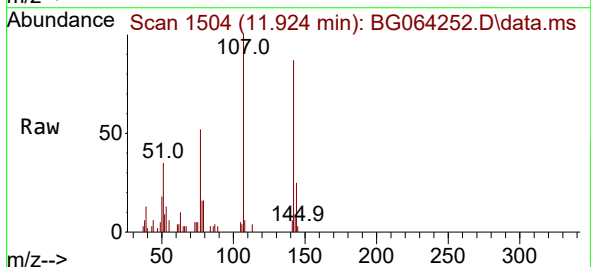
Manual Integrations
APPROVED

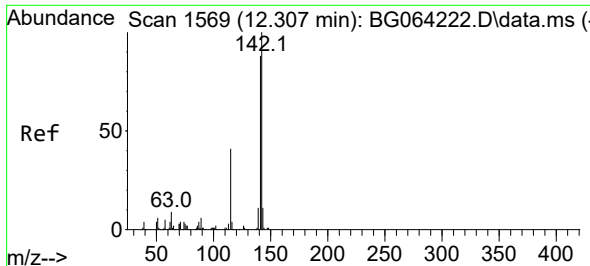
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#36
4-Chloro-3-methylphenol
Concen: 4.193 ng
RT: 11.924 min Scan# 1504
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

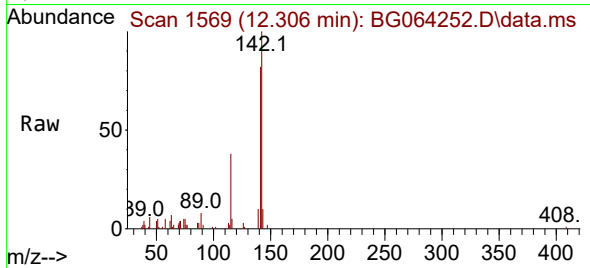
Tgt Ion:107 Resp: 13496
Ion Ratio Lower Upper
107 100
144 24.7 19.5 29.3
142 86.5 62.0 93.0





#37
2-Methylnaphthalene
Concen: 3.908 ng
RT: 12.306 min Scan# 1569
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

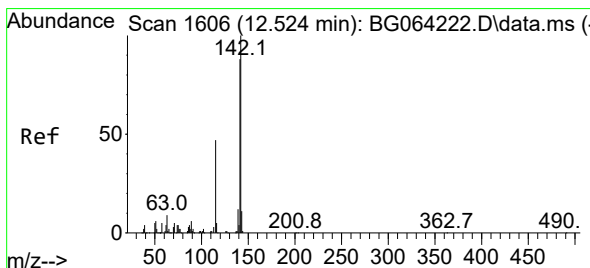
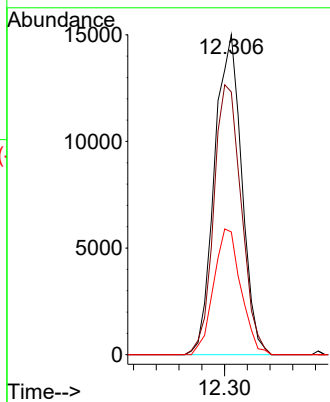
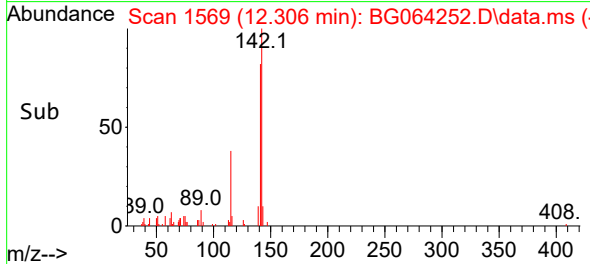
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



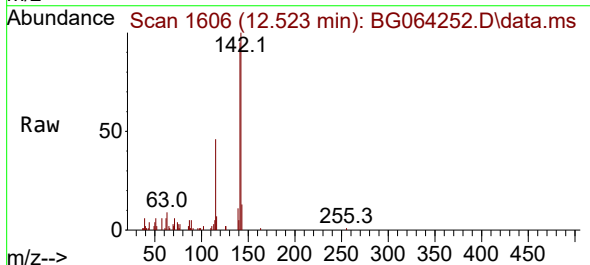
Tgt Ion:142 Resp: 2492
Ion Ratio Lower Upper
142 100
141 82.1 70.1 105.1
115 38.3 33.1 49.7

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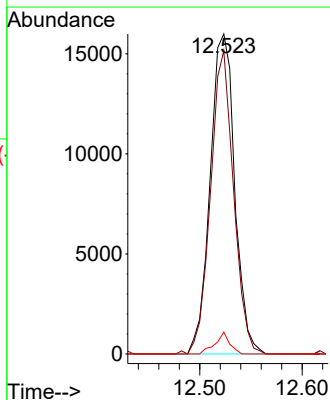
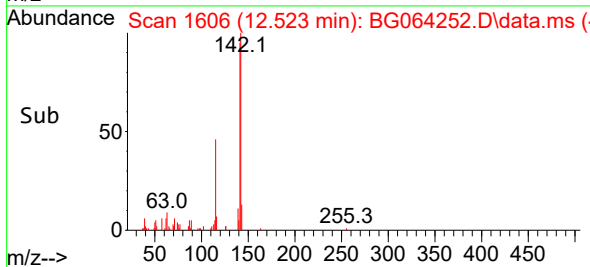
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

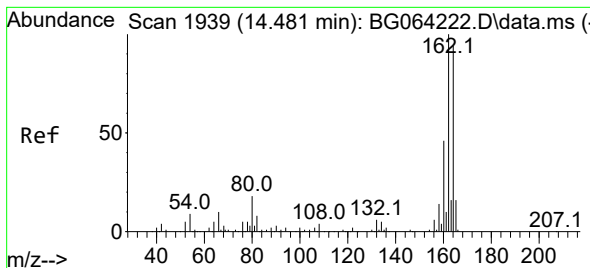


#38
1-Methylnaphthalene
Concen: 4.228 ng m
RT: 12.523 min Scan# 1606
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



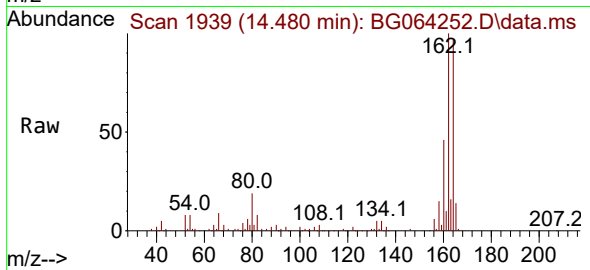
Tgt Ion:142 Resp: 26631
Ion Ratio Lower Upper
142 100
141 94.8 70.3 105.5
116 6.9 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

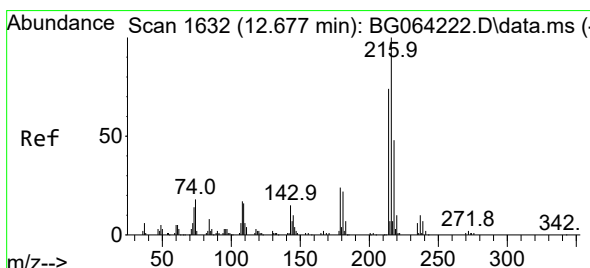
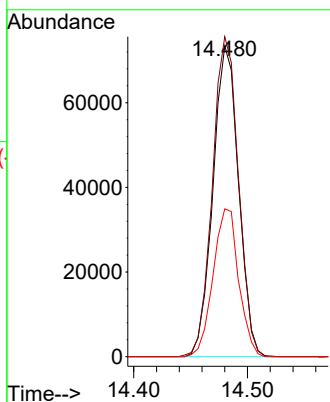
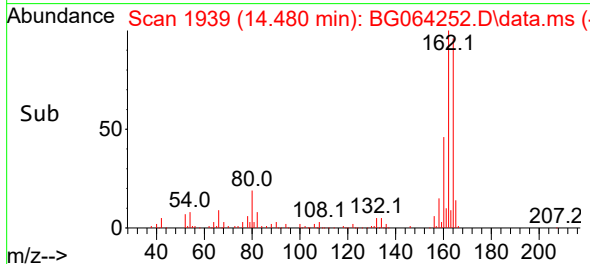
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:164 Resp: 114860
Ion Ratio Lower Upper
164 100
162 103.0 85.4 128.0
160 47.6 39.2 58.8

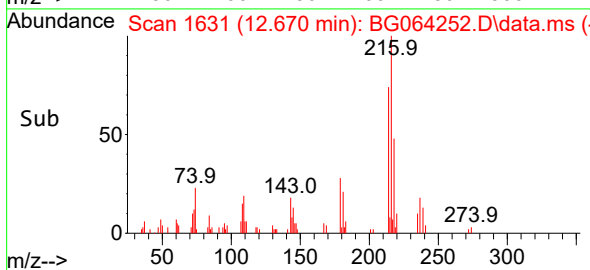
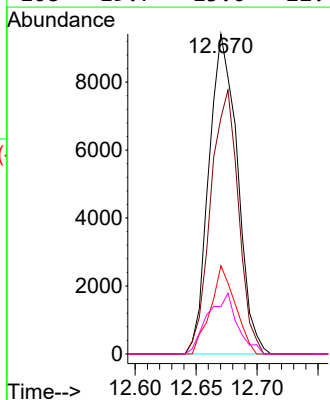
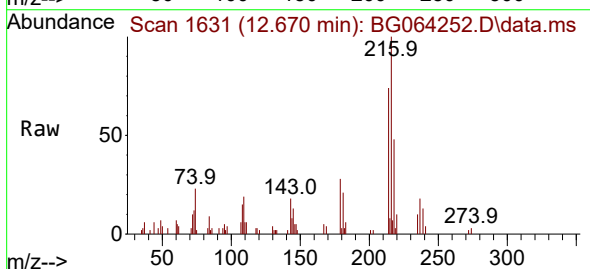
Manual Integrations
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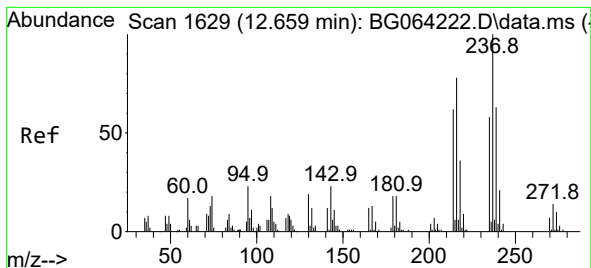
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.621 ng
RT: 12.670 min Scan# 1631
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

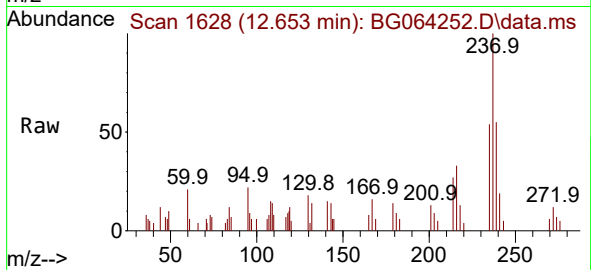
Tgt Ion:216 Resp: 15314
Ion Ratio Lower Upper
216 100
214 80.2 61.9 92.9
179 24.0 17.9 26.9
108 19.7 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 3.962 ng
RT: 12.653 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

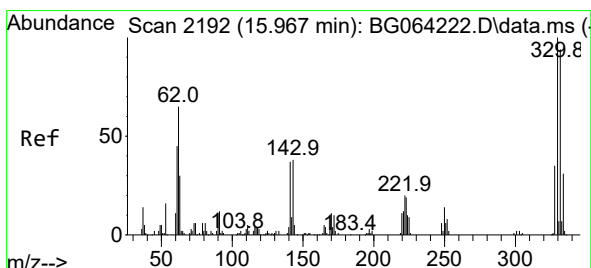
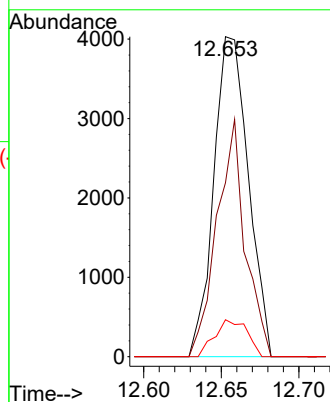
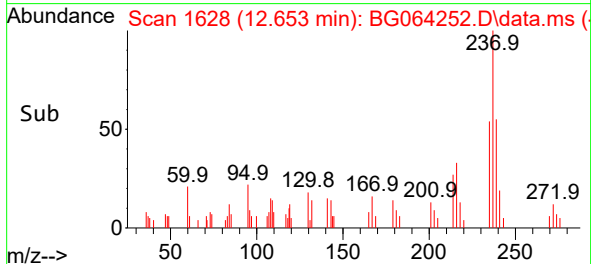
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



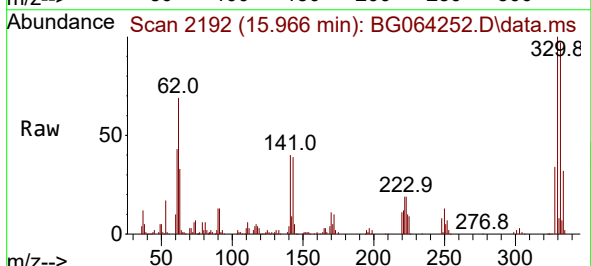
Tgt Ion:237 Resp: 6240
Ion Ratio Lower Upper
237 100
235 54.4 37.9 77.9
272 11.6 0.0 33.8

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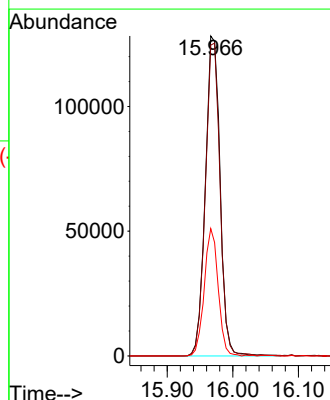
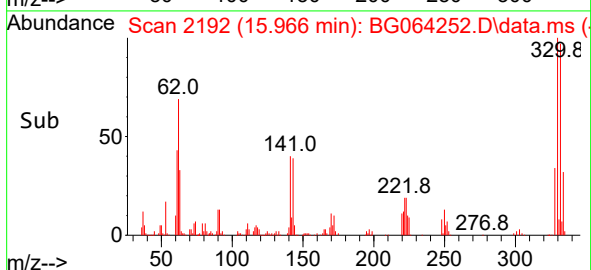
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

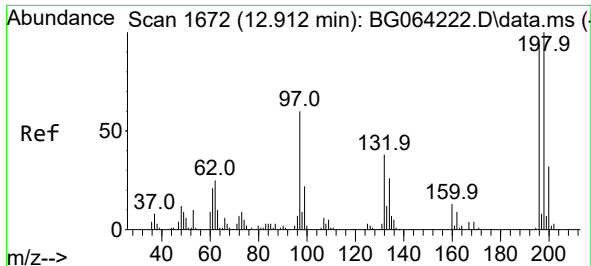


#42
2,4,6-Tribromophenol
Concen: 131.839 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



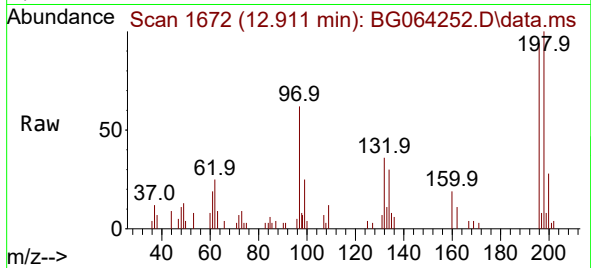
Tgt Ion:330 Resp: 200587
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 37.5 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 4.473 ng
RT: 12.911 min Scan# 1685
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

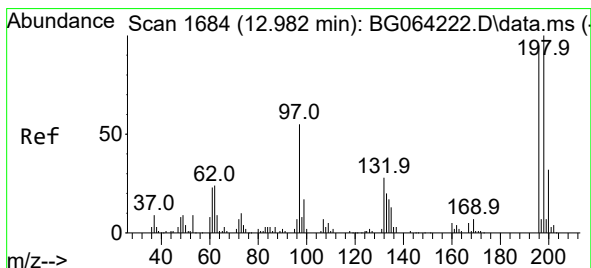
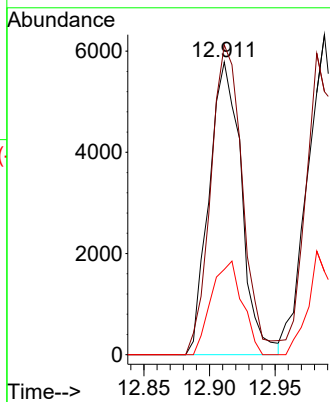
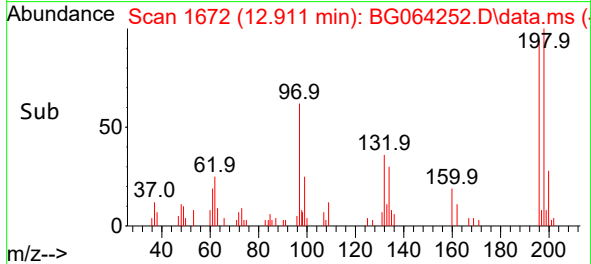
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



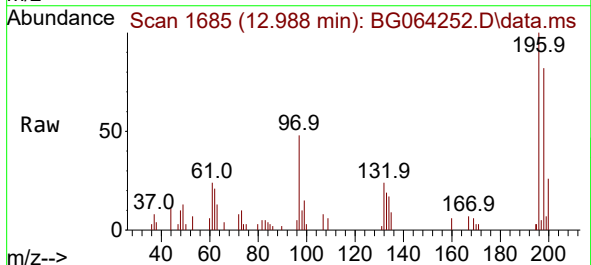
Tgt Ion:196 Resp: 990
Ion Ratio Lower Upper
196 100
198 105.9 85.4 128.2
200 29.2 27.3 40.9

Manual Integrations
APPROVED

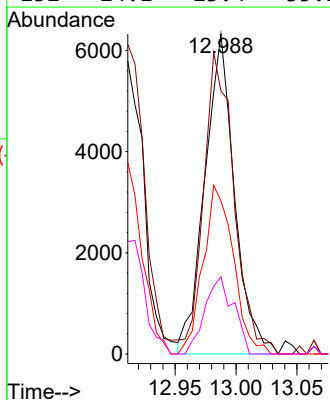
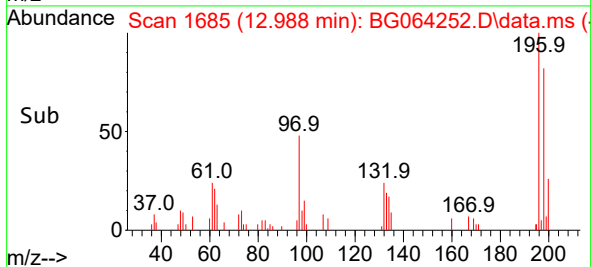
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

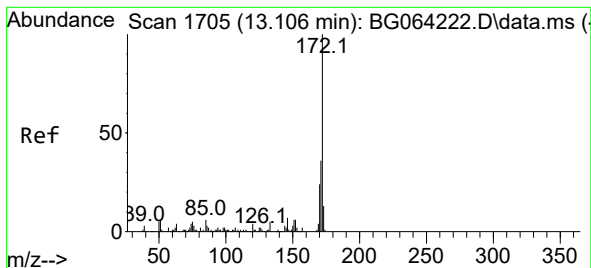


#44
2,4,5-Trichlorophenol
Concen: 4.462 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



Tgt Ion:196 Resp: 10722
Ion Ratio Lower Upper
196 100
198 82.2 84.5 126.7#
97 47.8 46.8 70.2
132 24.1 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 101.508 ng

RT: 13.105 min Scan# 1705

Delta R.T. -0.007 min

Lab File: BG064252.D

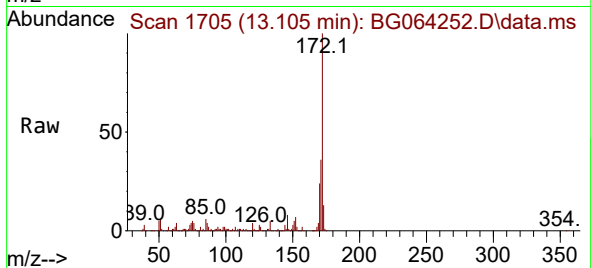
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:172 Resp: 76390

Ion Ratio Lower Upper

172 100

171 36.3 28.7 43.1

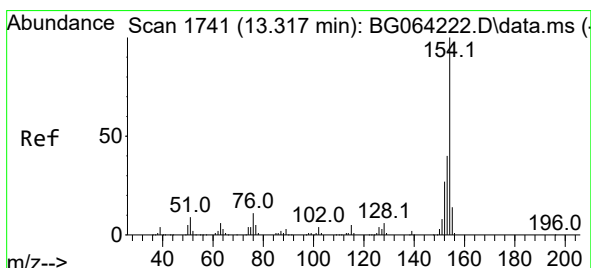
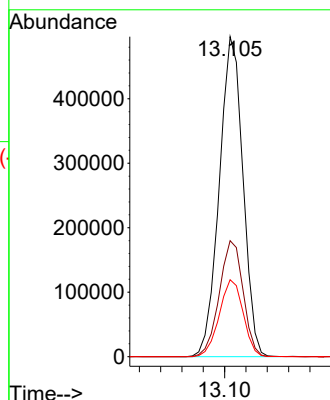
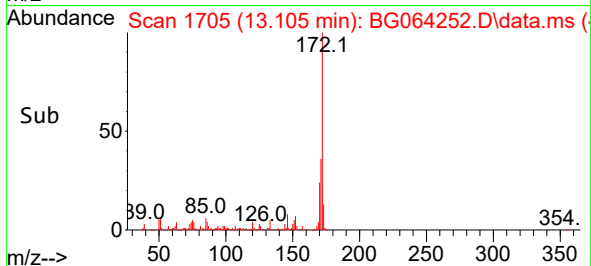
170 24.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#46

1,1'-Biphenyl

Concen: 4.693 ng

RT: 13.317 min Scan# 1741

Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

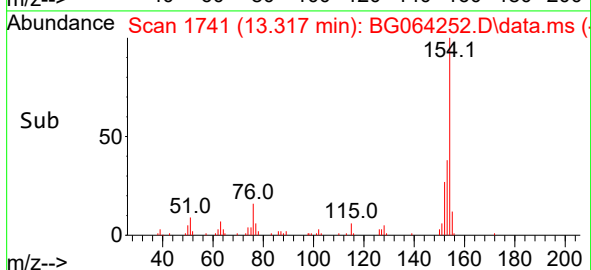
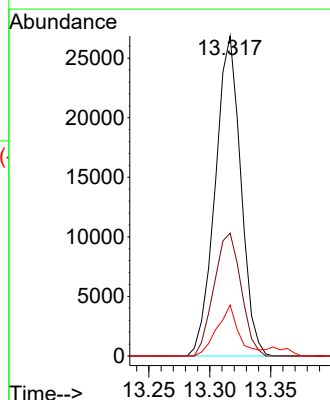
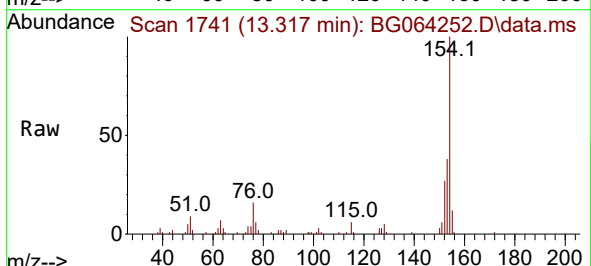
Tgt Ion:154 Resp: 39266

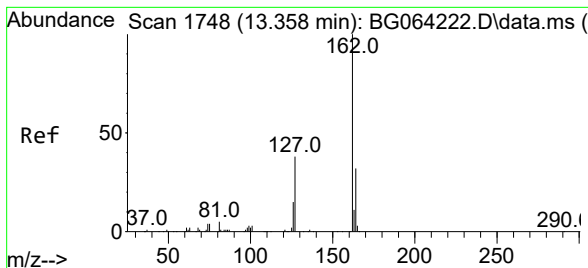
Ion Ratio Lower Upper

154 100

153 38.4 19.9 59.9

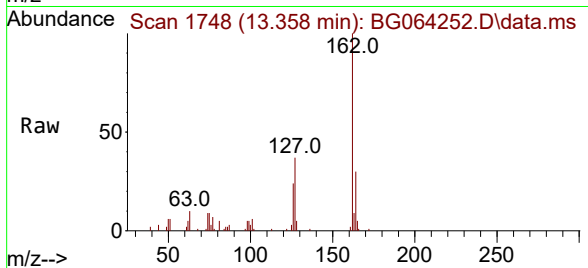
76 15.9 0.0 30.9





#47
2-Chloronaphthalene
Concen: 4.575 ng
RT: 13.358 min Scan# 1748
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

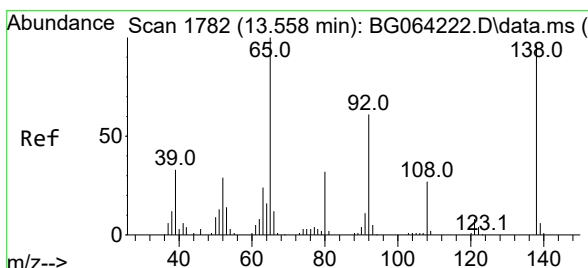
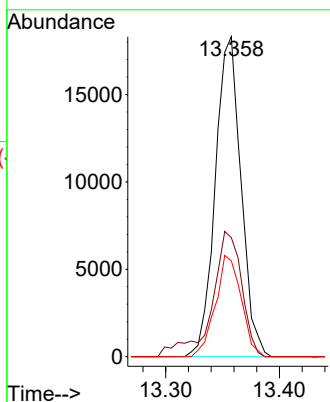
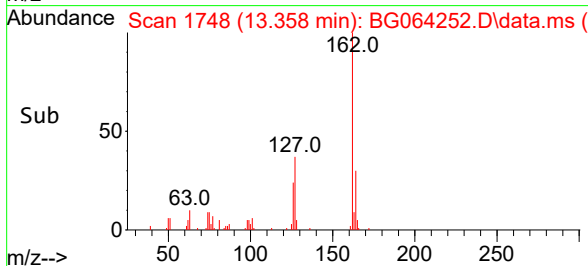
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



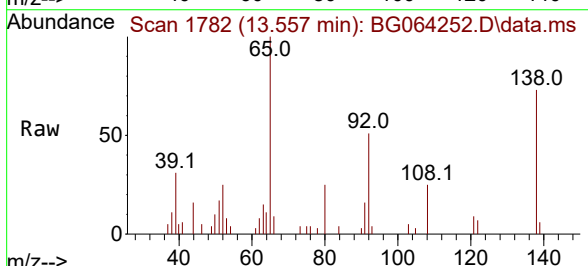
Tgt Ion:162 Resp: 28770
Ion Ratio Lower Upper
162 100
127 37.2 33.9 50.9
164 29.9 25.4 38.2

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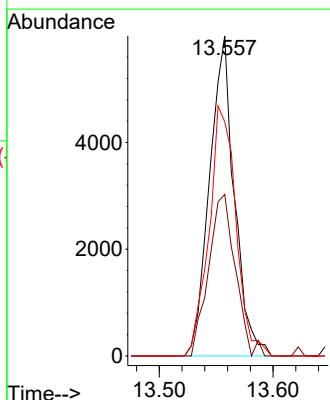
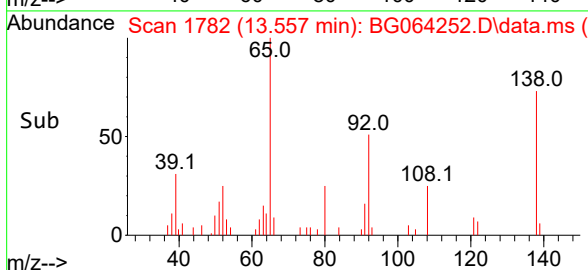
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

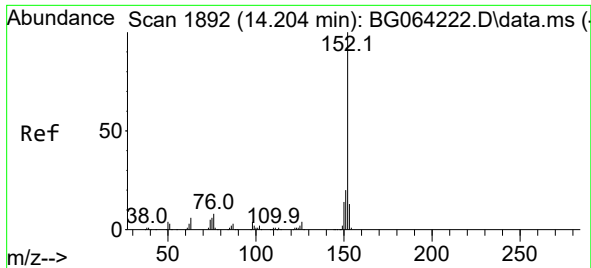


#48
2-Nitroaniline
Concen: 4.241 ng
RT: 13.557 min Scan# 1782
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



Tgt Ion: 65 Resp: 9091
Ion Ratio Lower Upper
65 100
92 50.5 49.2 73.8
138 73.1 76.8 115.2#





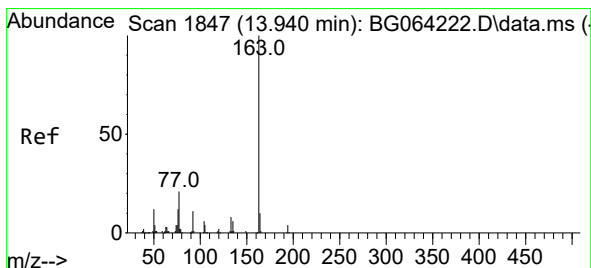
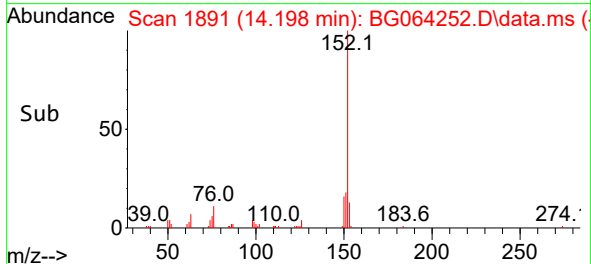
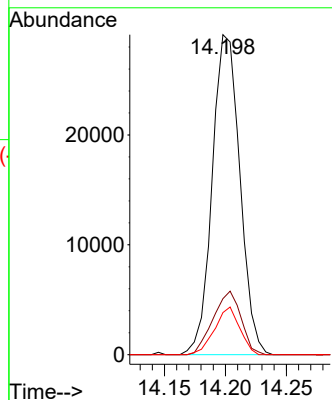
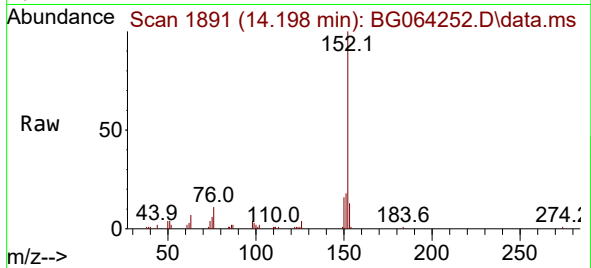
#49
Acenaphthylene
Concen: 4.952 ng
RT: 14.198 min Scan# 1891
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

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

Tgt Ion:152 Resp: 4604
Ion Ratio Lower Upper
152 100
151 17.5 16.2 24.2
153 13.1 10.1 15.1

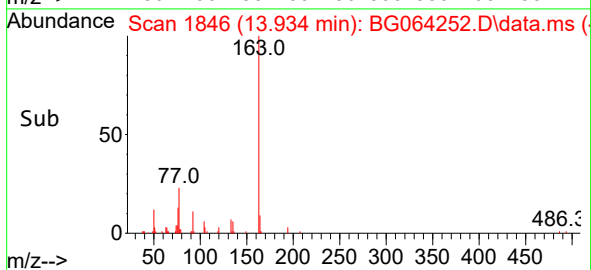
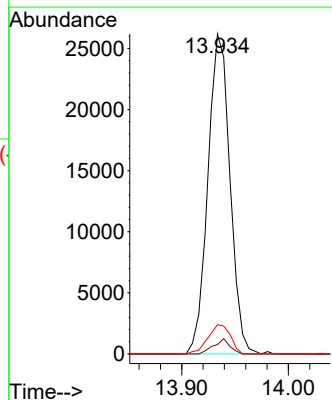
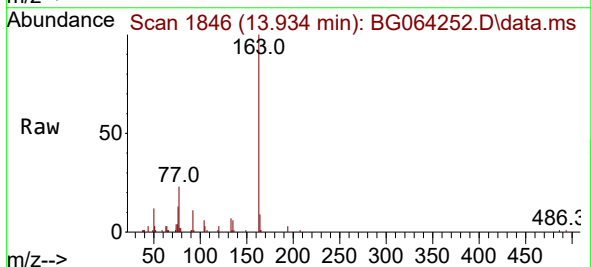
Manual Integrations
APPROVED

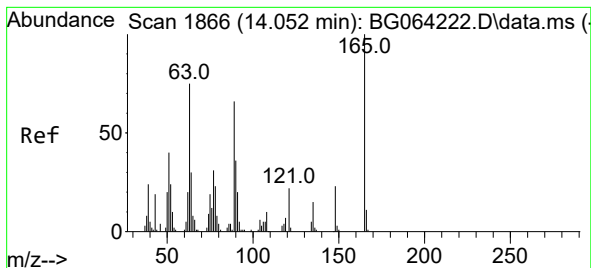
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#50
Dimethylphthalate
Concen: 4.331 ng
RT: 13.934 min Scan# 1846
Delta R.T. -0.013 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

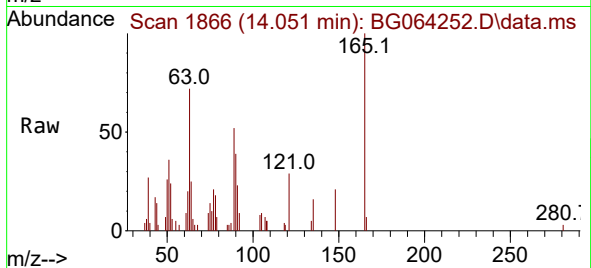
Tgt Ion:163 Resp: 37659
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.4#
164 9.2 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 4.214 ng
RT: 14.051 min Scan# 1866
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

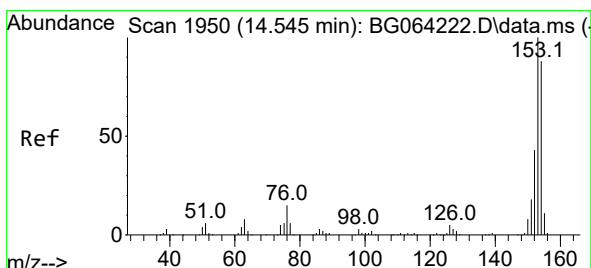
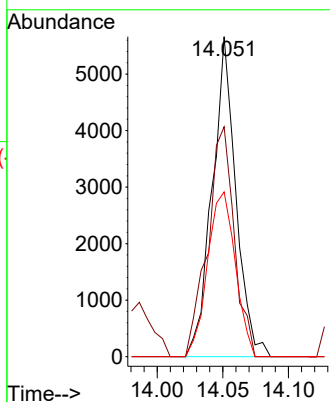
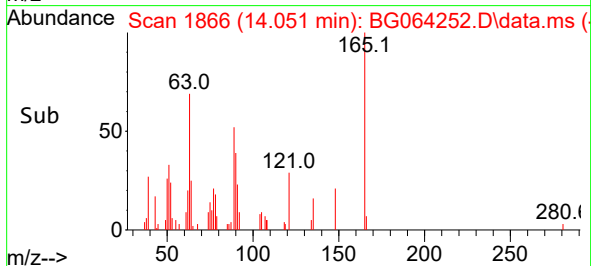
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 7093
Ion Ratio Lower Upper
165 100
63 71.8 60.3 90.5
89 51.5 52.9 79.3

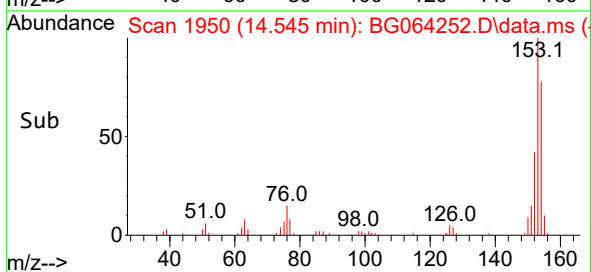
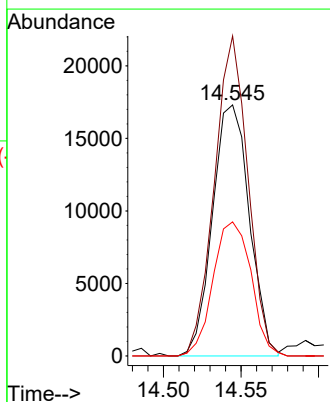
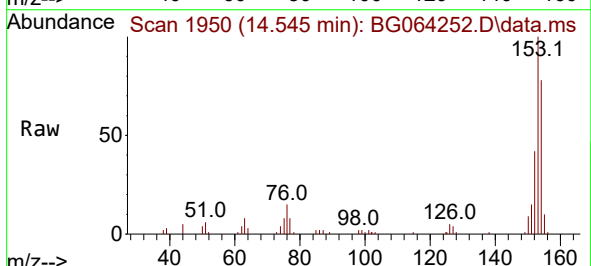
Manual Integrations
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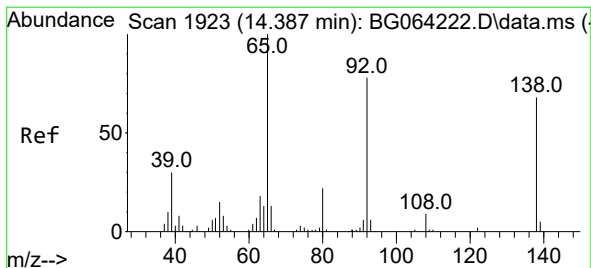
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#52
Acenaphthene
Concen: 4.362 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

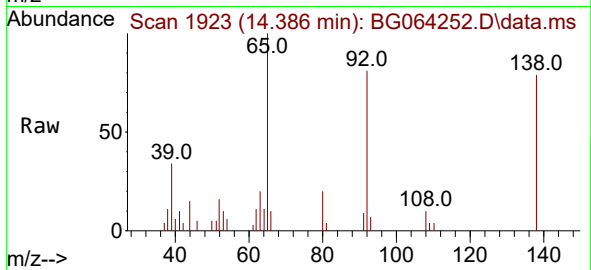
Tgt Ion:154 Resp: 28622
Ion Ratio Lower Upper
154 100
153 127.4 91.1 136.7
152 53.4 39.6 59.4





#53
3-Nitroaniline
Concen: 3.476 ng
RT: 14.386 min Scan# 1923
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

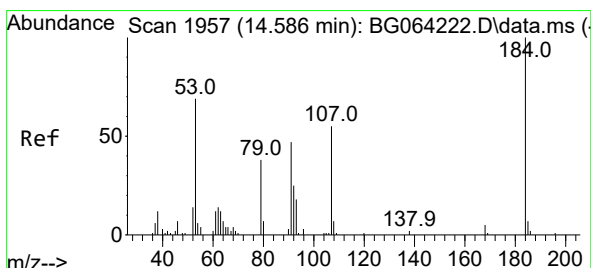
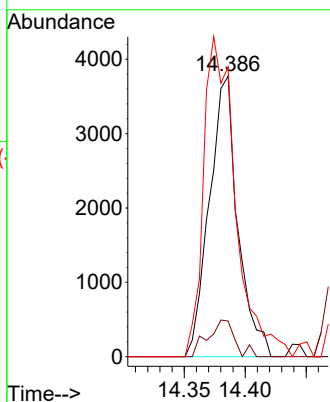
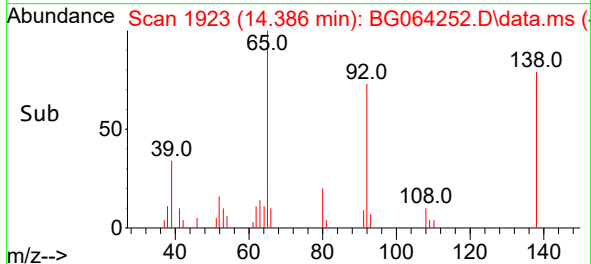
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



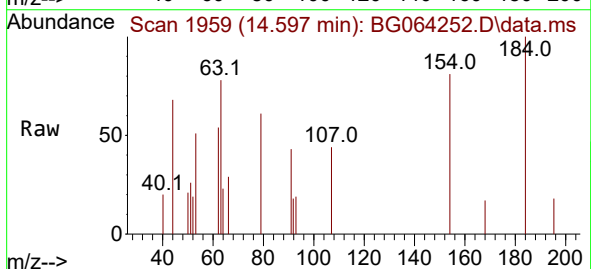
Tgt Ion:138 Resp: 6128
Ion Ratio Lower Upper
138 100
108 12.7 11.0 16.6
92 103.3 91.4 137.0

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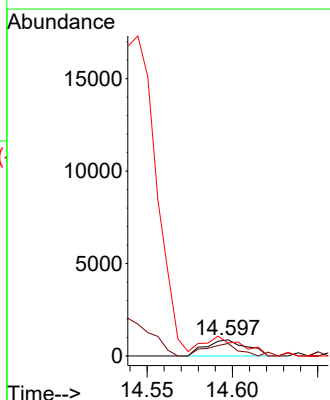
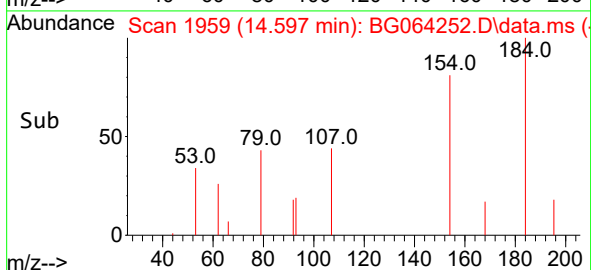
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

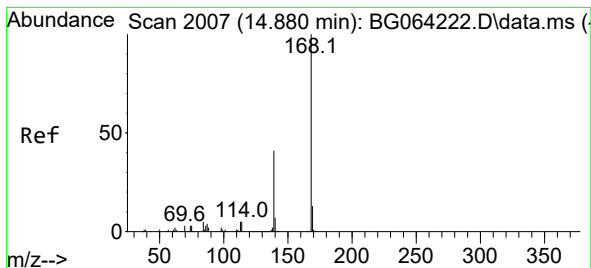


#54
2,4-Dinitrophenol
Concen: 6.885 ng
RT: 14.597 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



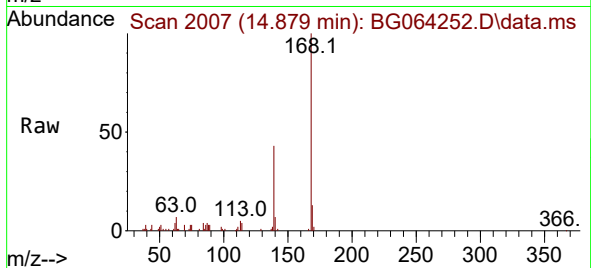
Tgt Ion:184 Resp: 1460
Ion Ratio Lower Upper
184 100
63 77.7 60.1 90.1
154 80.5 59.8 89.8





#55
Dibenzenofuran
Concen: 4.463 ng
RT: 14.879 min Scan# 2007
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

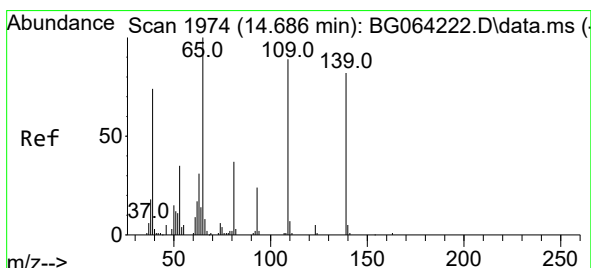
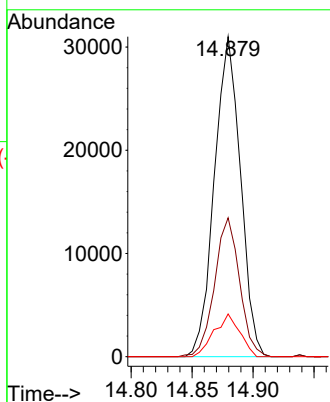
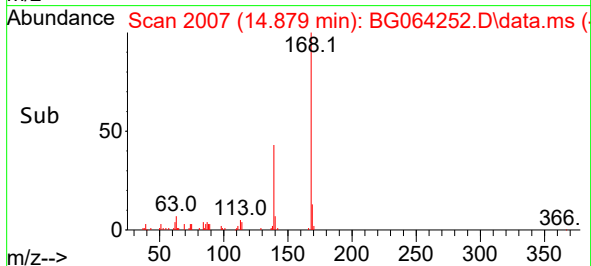
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 46059
Ion Ratio Lower Upper
168 100
139 43.4 33.2 49.8
169 13.3 10.4 15.6

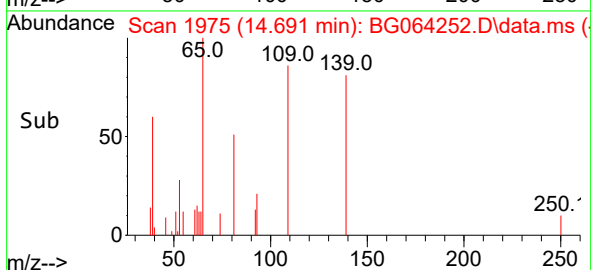
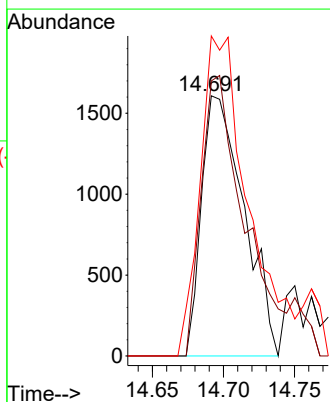
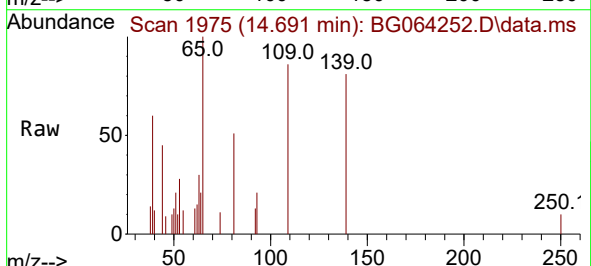
Manual Integrations
APPROVED

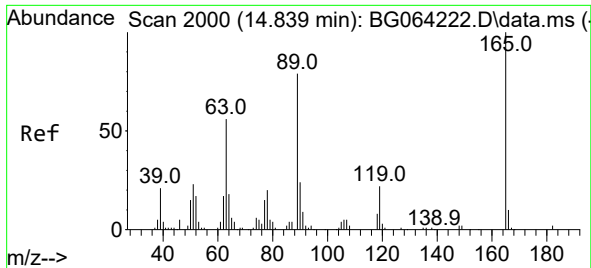
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#56
4-Nitrophenol
Concen: 2.318 ng
RT: 14.691 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

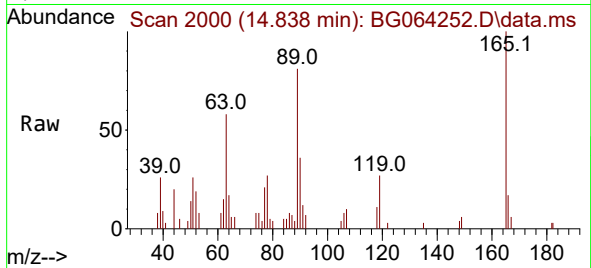
Tgt Ion:139 Resp: 3352
Ion Ratio Lower Upper
139 100
109 105.7 89.1 129.1
65 123.0 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 3.949 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

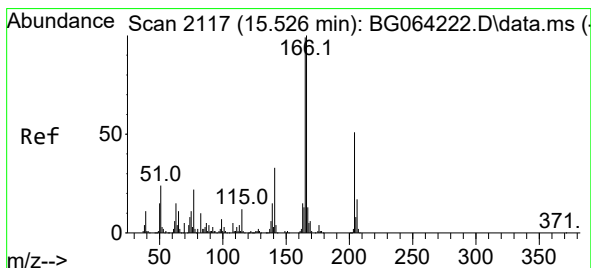
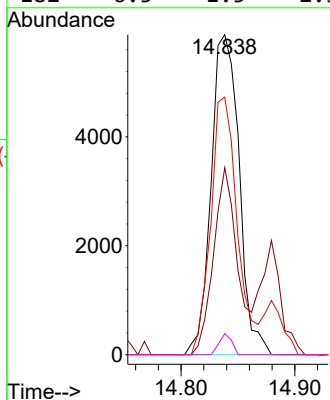
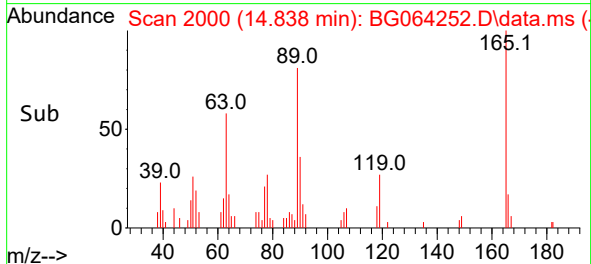
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 1005
Ion Ratio Lower Upper
165 100
63 58.4 44.6 67.0
89 80.5 63.0 94.4
182 6.5 1.5 2.3#

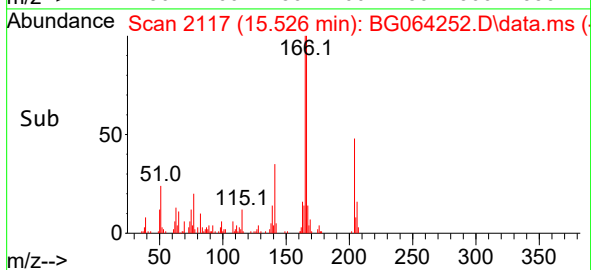
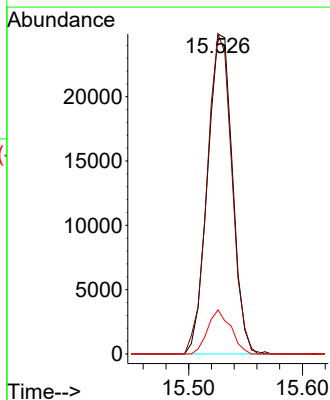
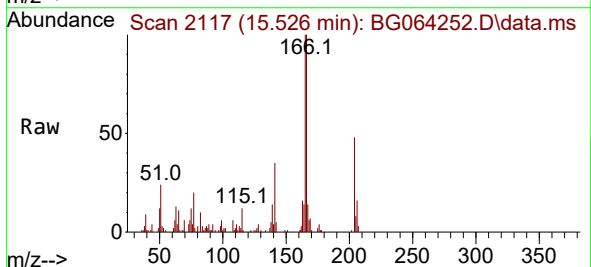
Manual Integrations
APPROVED

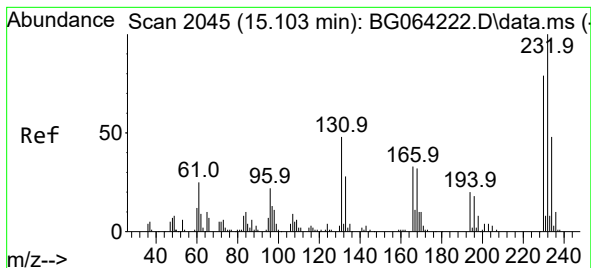
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#58
Fluorene
Concen: 4.474 ng
RT: 15.526 min Scan# 2117
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

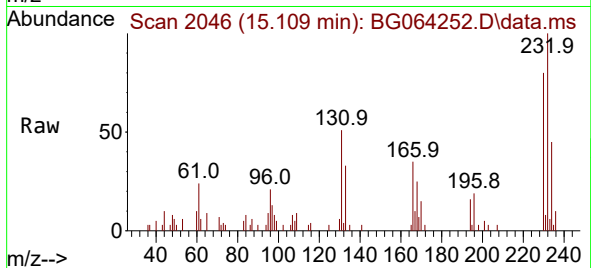
Tgt Ion:166 Resp: 37846
Ion Ratio Lower Upper
166 100
165 99.9 79.1 118.7
167 13.8 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.150 ng
RT: 15.109 min Scan# 2045
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

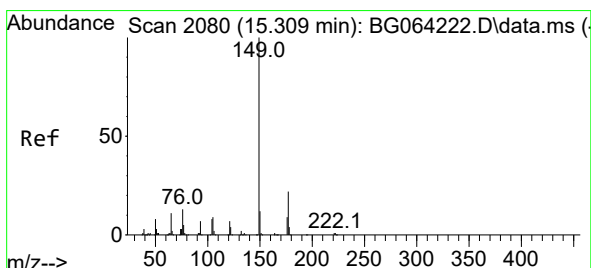
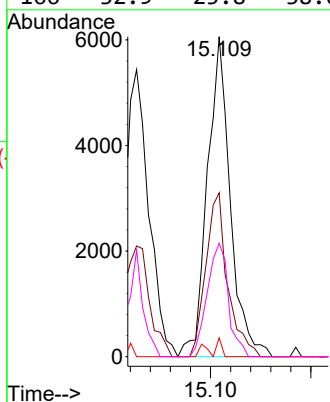
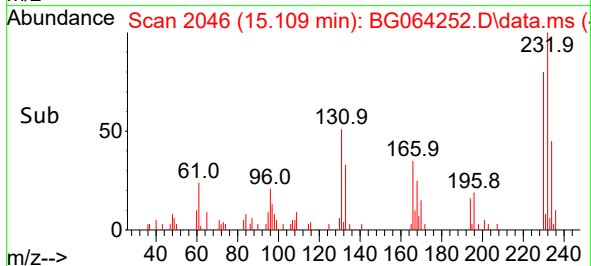
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



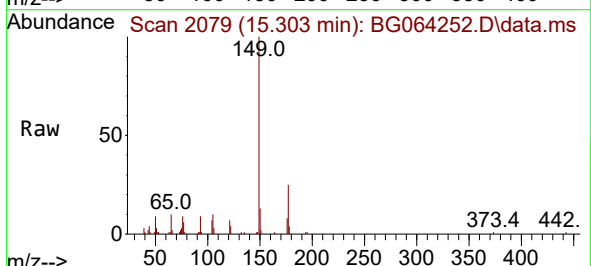
Tgt Ion:232 Resp: 959
Ion Ratio Lower Upper
232 100
131 48.8 37.1 55.7
130 1.3 2.6 3.8
166 32.9 25.8 38.6

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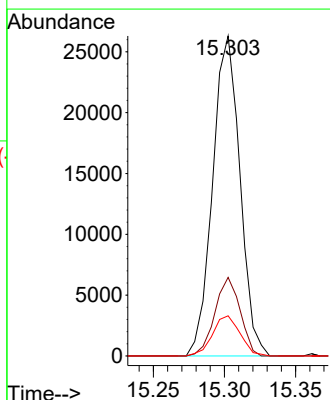
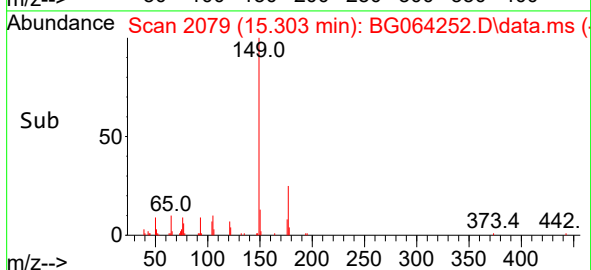
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

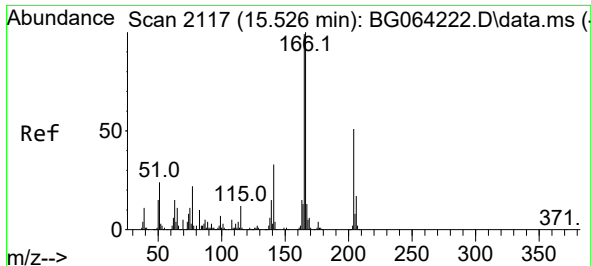


#60
Diethylphthalate
Concen: 3.773 ng
RT: 15.303 min Scan# 2079
Delta R.T. -0.013 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



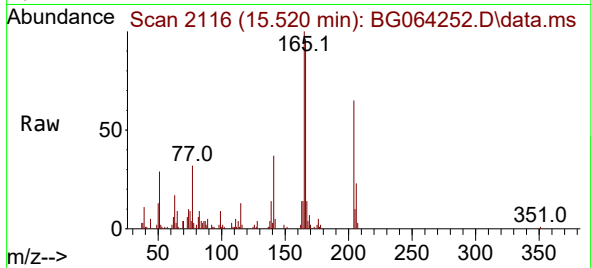
Tgt Ion:149 Resp: 35105
Ion Ratio Lower Upper
149 100
177 24.6 17.5 26.3
150 12.6 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.247 ng
RT: 15.520 min Scan# 2116
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

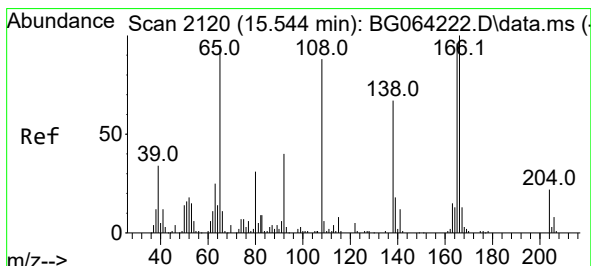
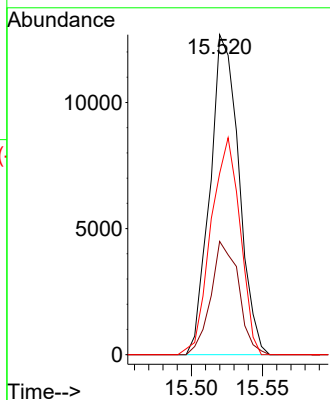
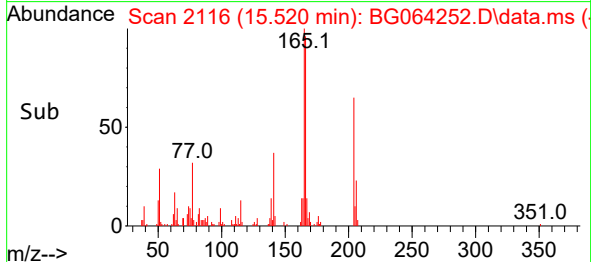
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:204 Resp: 1791
Ion Ratio Lower Upper
204 100
206 35.4 26.2 39.4
141 56.7 51.9 77.9

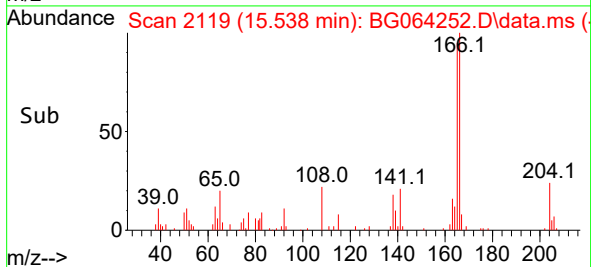
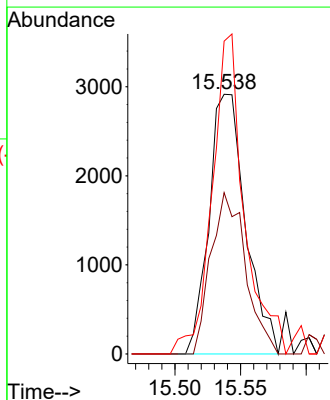
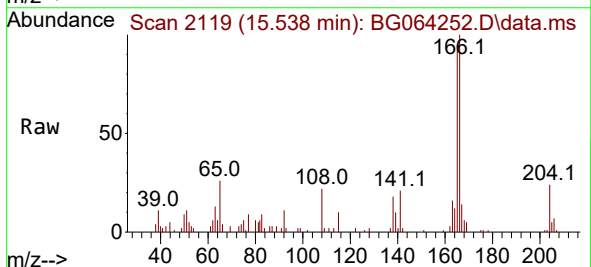
Manual Integrations
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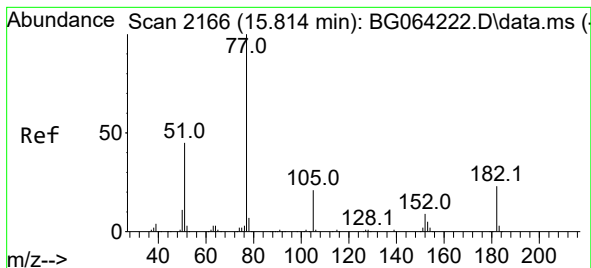
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#62
4-Nitroaniline
Concen: 3.135 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

Tgt Ion:138 Resp: 5641
Ion Ratio Lower Upper
138 100
92 62.1 39.1 79.1
108 120.4 111.3 151.3





#63

Azobenzene

Concen: 4.408 ng

RT: 15.820 min Scan# 2167

Delta R.T. -0.001 min

Lab File: BG064252.D

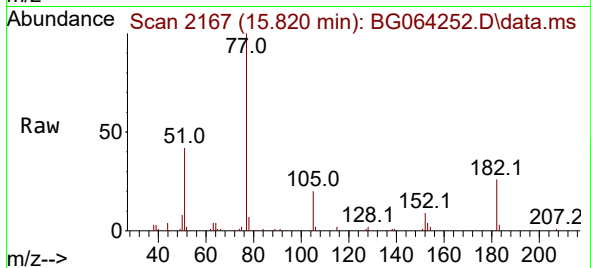
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 77 Resp: 36554

Ion Ratio Lower Upper

77 100

182 26.2 3.3 43.3

105 19.7 0.6 40.6

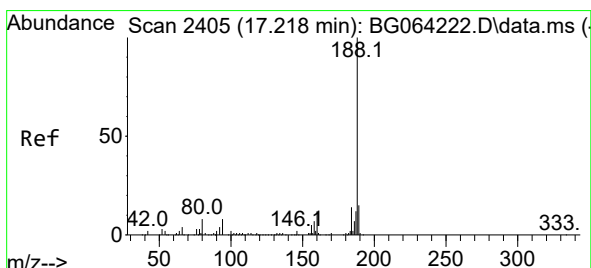
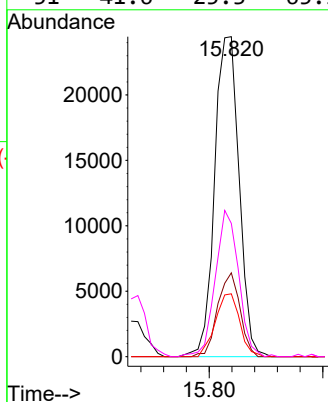
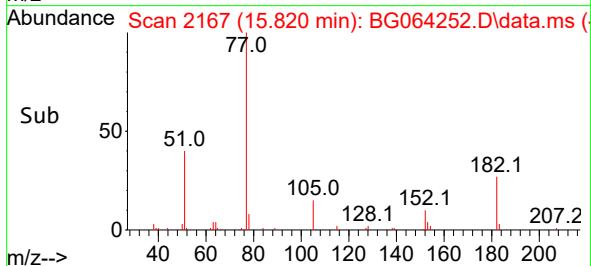
51 41.6 25.3 65.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

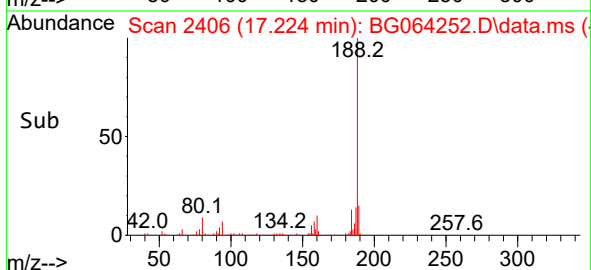
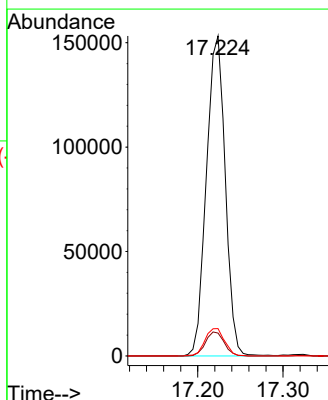
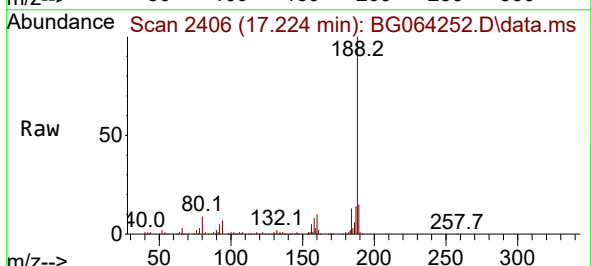
Tgt Ion:188 Resp: 235550

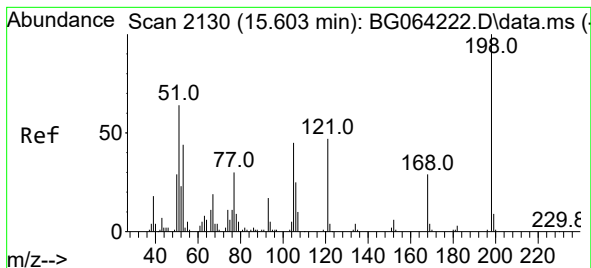
Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

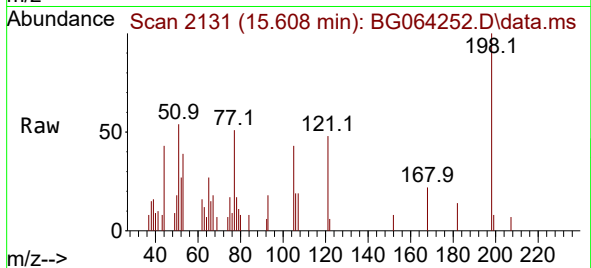
80 8.6 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 3.084 ng
RT: 15.608 min Scan# 2130
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

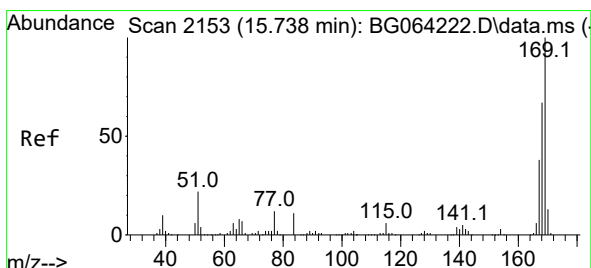
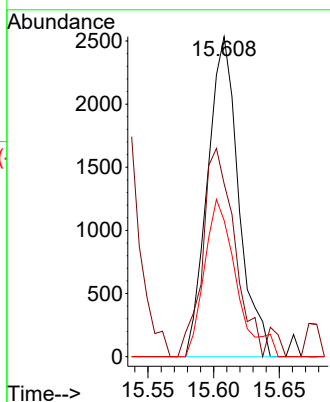
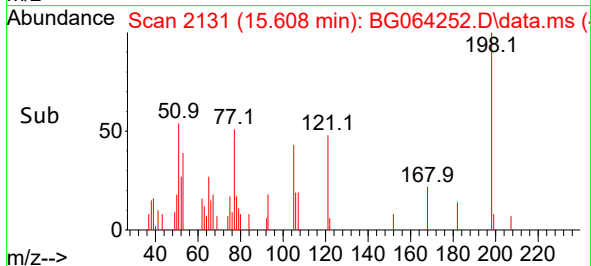
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



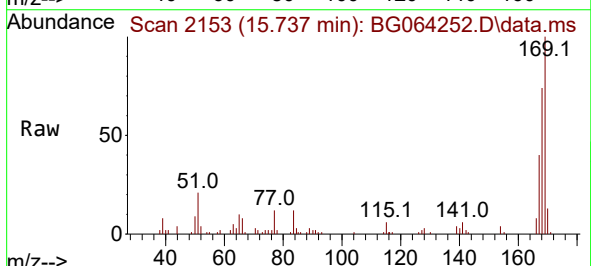
Tgt Ion:198 Resp: 417
Ion Ratio Lower Upper
198 100
51 54.1 46.2 86.2
105 42.6 25.0 65.0

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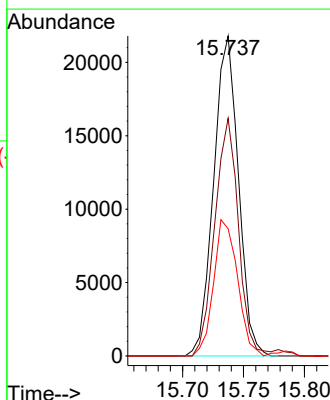
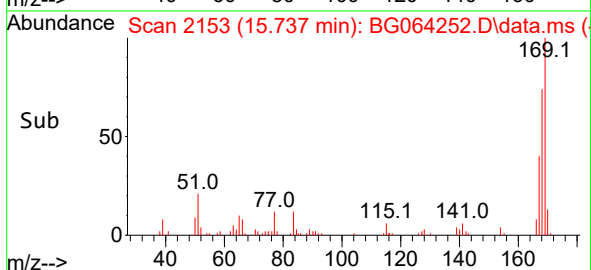
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

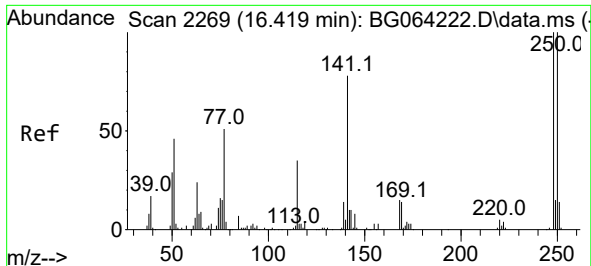


#66
n-Nitrosodiphenylamine
Concen: 4.757 ng
RT: 15.737 min Scan# 2153
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



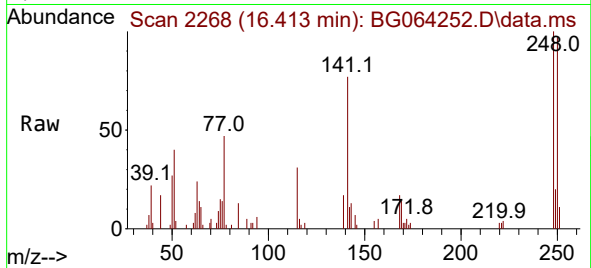
Tgt Ion:169 Resp: 30821
Ion Ratio Lower Upper
169 100
168 74.3 53.8 80.8
167 39.7 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 4.701 ng
RT: 16.413 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

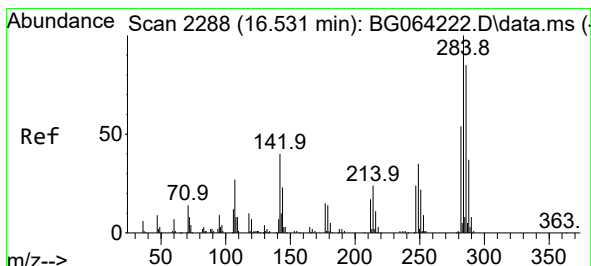
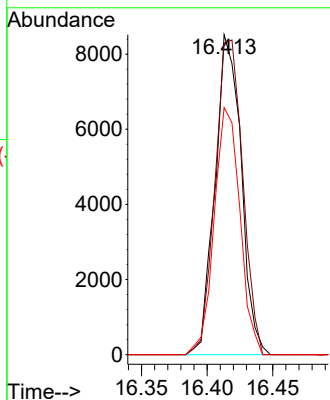
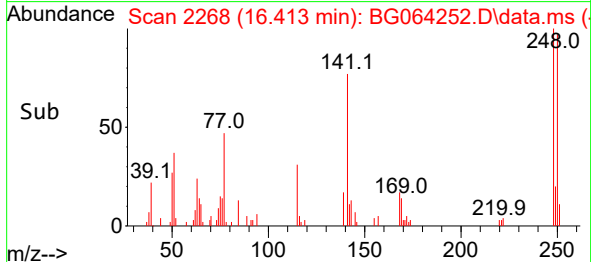
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:248 Resp: 1176
Ion Ratio Lower Upper
248 100
250 97.4 80.2 120.4
141 77.2 62.4 93.6

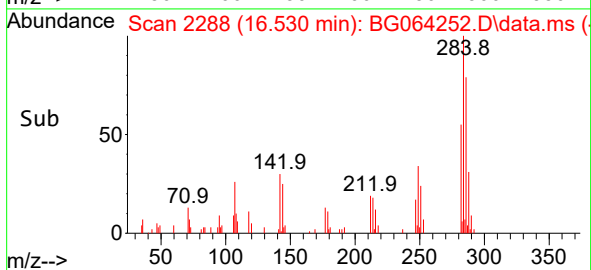
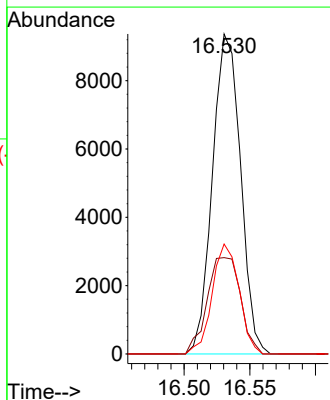
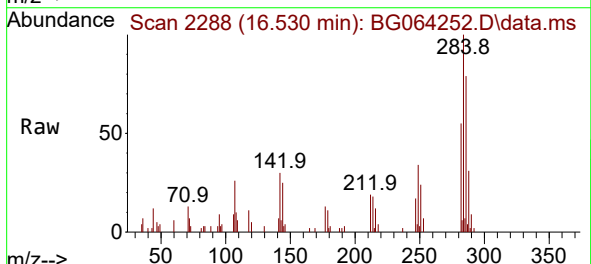
Manual Integrations
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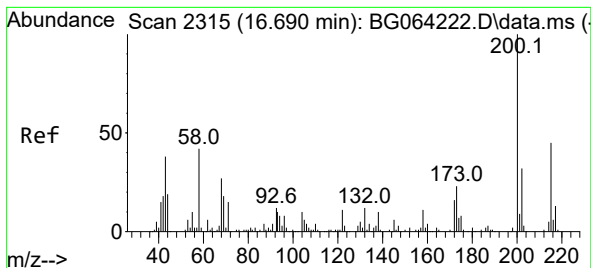
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#68
Hexachlorobenzene
Concen: 5.015 ng
RT: 16.530 min Scan# 2288
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

Tgt Ion:284 Resp: 13933
Ion Ratio Lower Upper
284 100
142 30.1 32.1 48.1#
249 34.3 28.3 42.5





#69

Atrazine

Concen: 3.915 ng

RT: 16.683 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

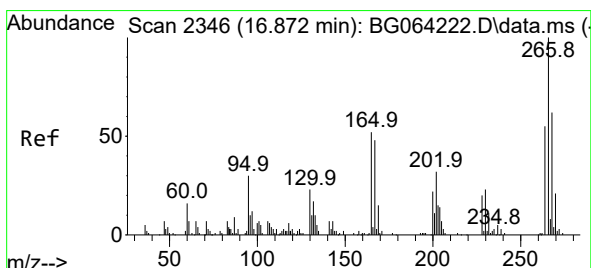
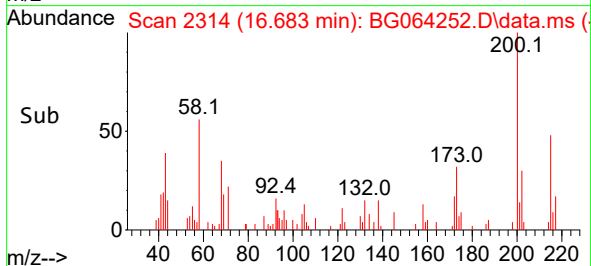
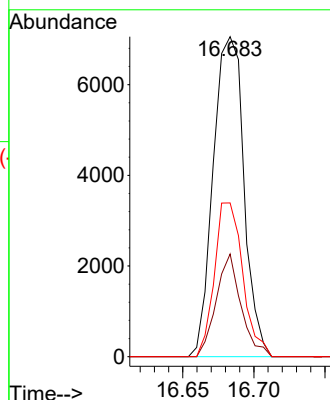
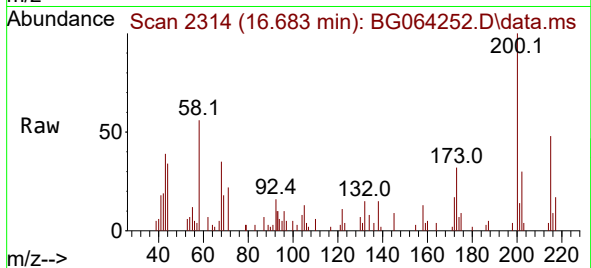
Tgt Ion:200 Resp: 1059
 Ion Ratio Lower Upper
 200 100
 173 32.1 3.5 43.5
 215 48.1 24.8 64.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#70

Pentachlorophenol

Concen: 3.141 ng

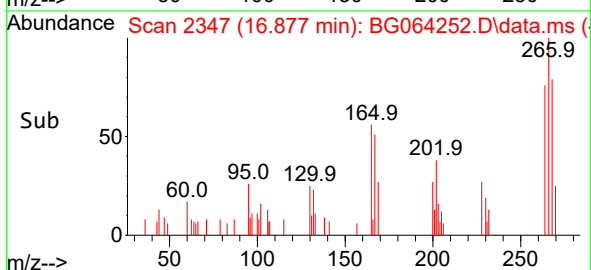
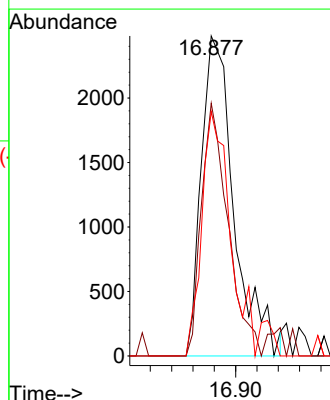
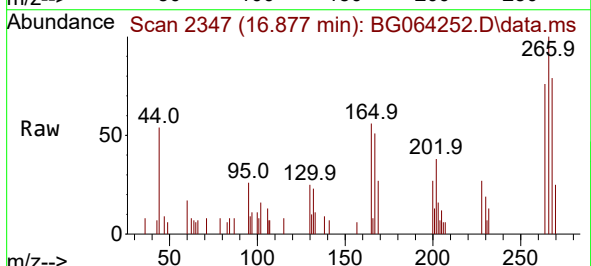
RT: 16.877 min Scan# 2347

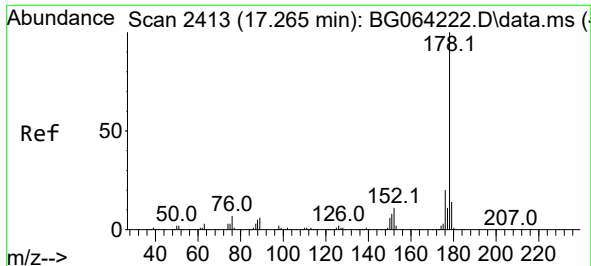
Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:266 Resp: 5292
 Ion Ratio Lower Upper
 266 100
 268 79.0 49.4 74.0#
 264 76.4 44.3 66.5#





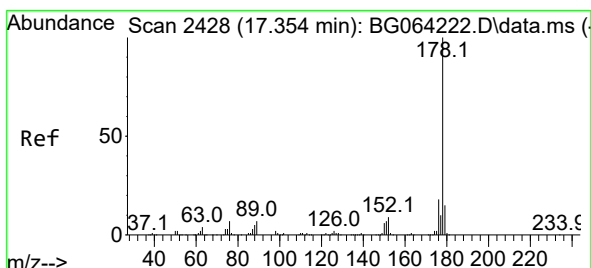
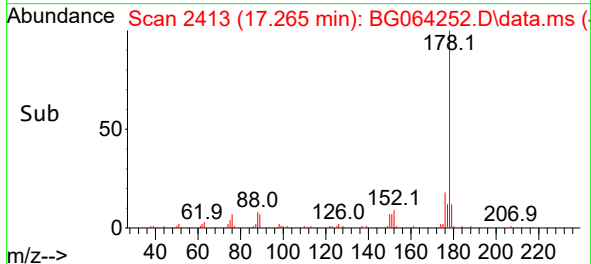
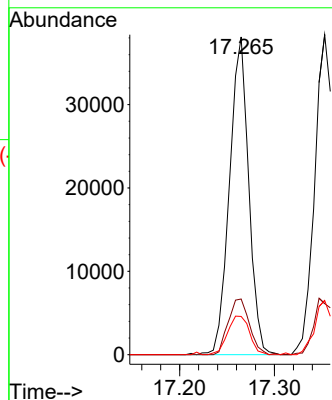
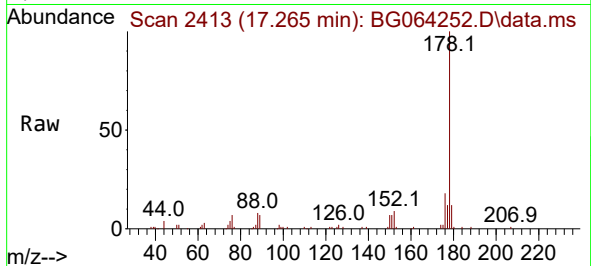
#71
Phenanthrene
Concen: 4.317 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

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

Tgt Ion:178 Resp: 5363
Ion Ratio Lower Upper
178 100
176 17.6 15.9 23.9
179 12.0 11.4 17.2

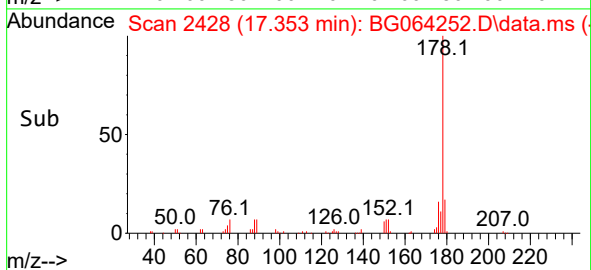
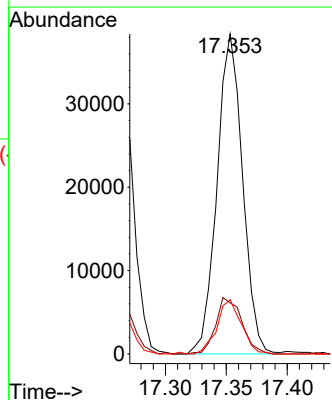
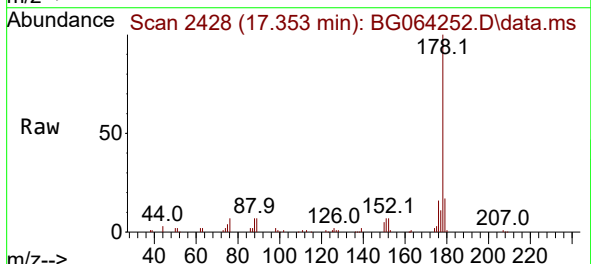
Manual Integrations
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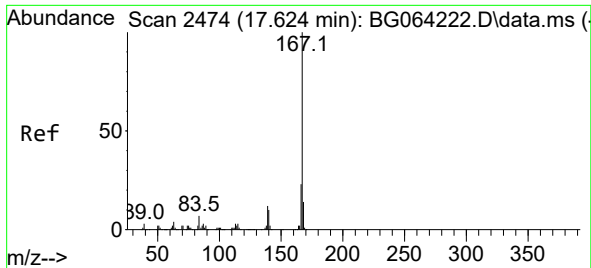
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#72
Anthracene
Concen: 4.442 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

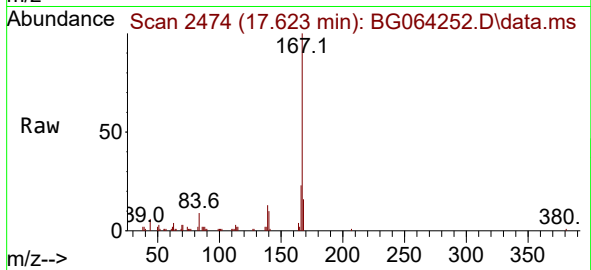
Tgt Ion:178 Resp: 56140
Ion Ratio Lower Upper
178 100
176 16.0 14.7 22.1
179 17.0 12.1 18.1





#73
 Carbazole
 Concen: 3.936 ng
 RT: 17.623 min Scan# 2474
 Delta R.T. -0.001 min
 Lab File: BG064252.D
 Acq: 3 Sep 2025 13:42

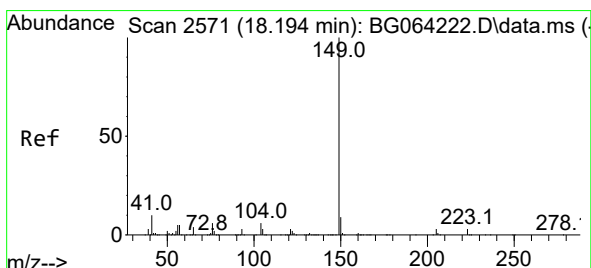
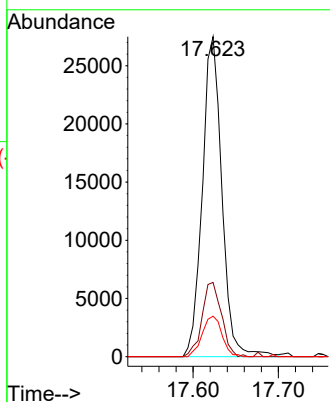
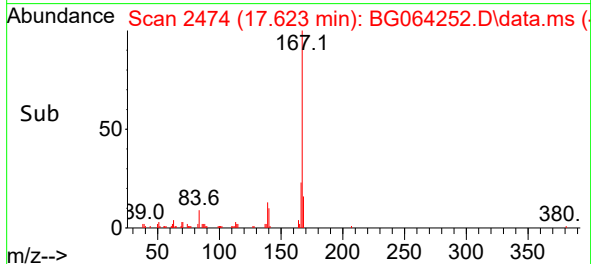
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



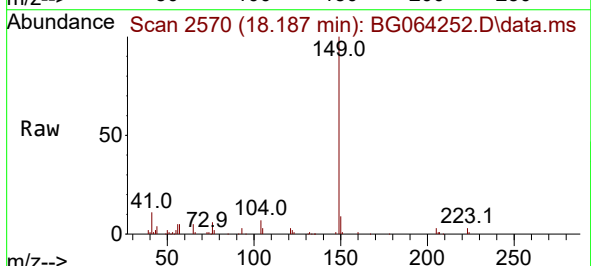
Tgt Ion:167 Resp: 43820
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.2 27.2
 139 12.6 9.8 14.6

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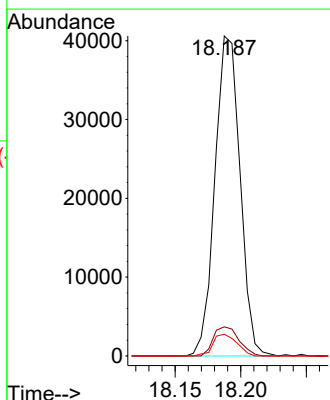
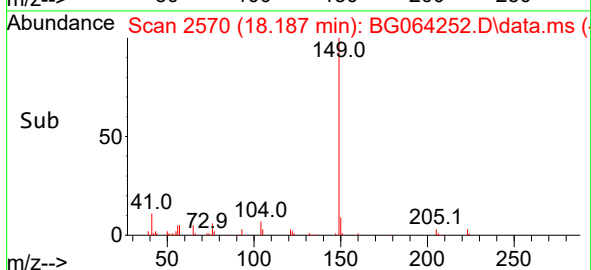
Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025

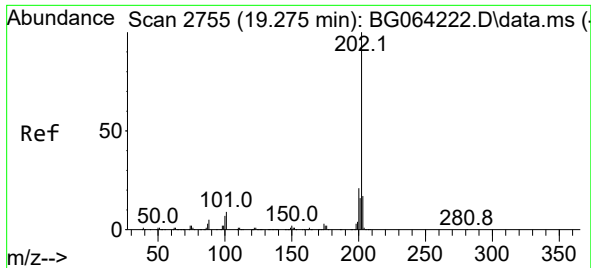


#74
 Di-n-butylphthalate
 Concen: 4.040 ng
 RT: 18.187 min Scan# 2570
 Delta R.T. -0.007 min
 Lab File: BG064252.D
 Acq: 3 Sep 2025 13:42



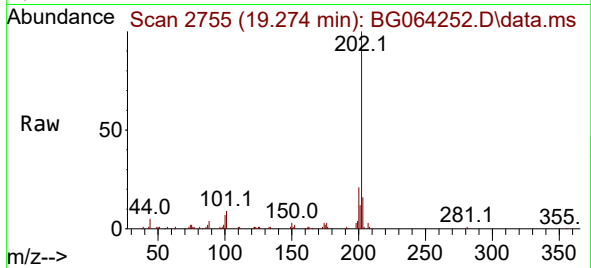
Tgt Ion:149 Resp: 54030
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.8 4.6 7.0





#75
Fluoranthene
Concen: 3.967 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

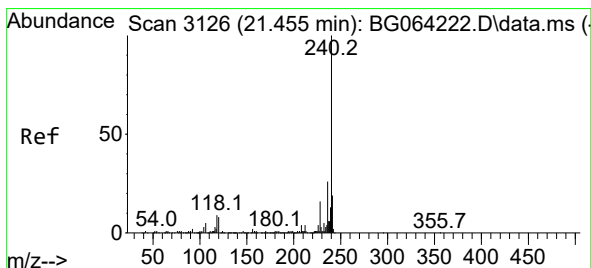
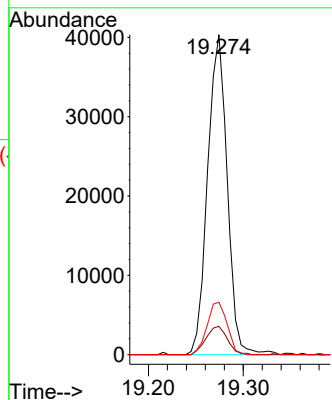
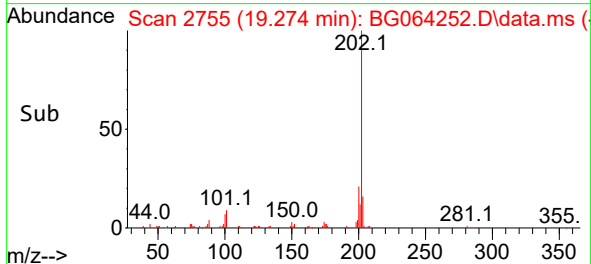
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



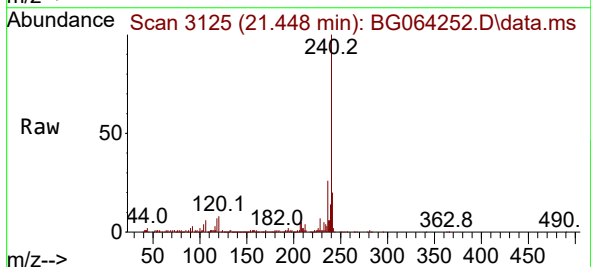
Tgt Ion:202 Resp: 5795
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.7
203 16.4 0.0 36.9

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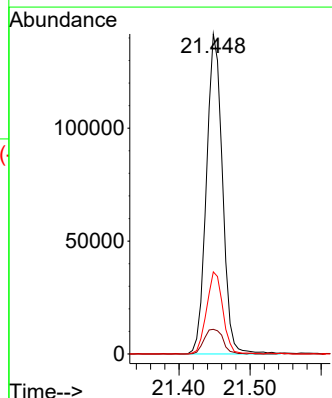
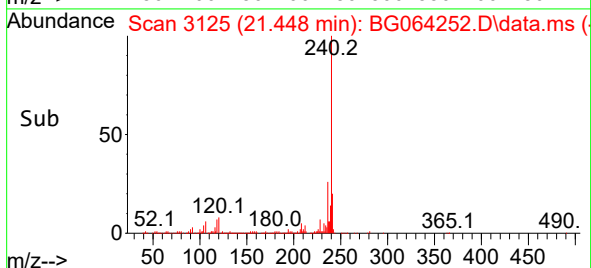
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

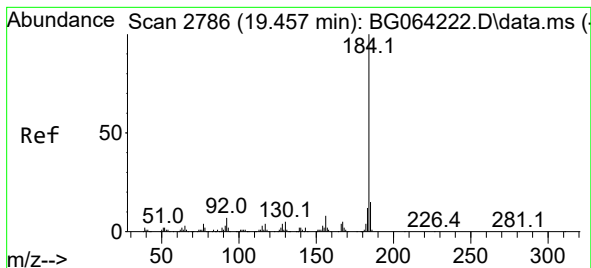


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42



Tgt Ion:240 Resp: 222539
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 25.6 20.5 30.7





#77

Benzidine

Concen: 4.245 ng

RT: 19.456 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

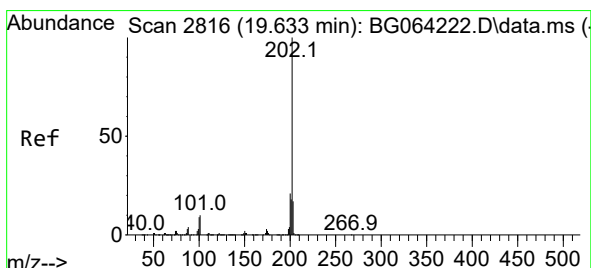
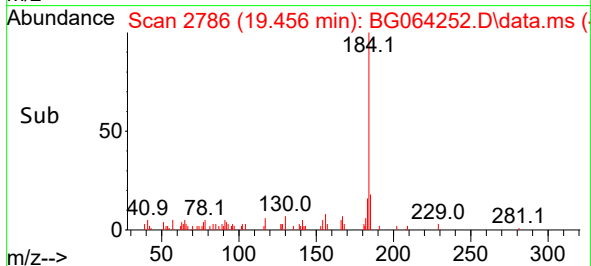
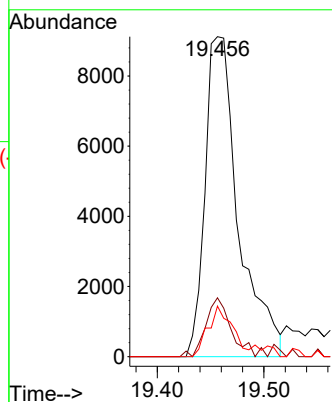
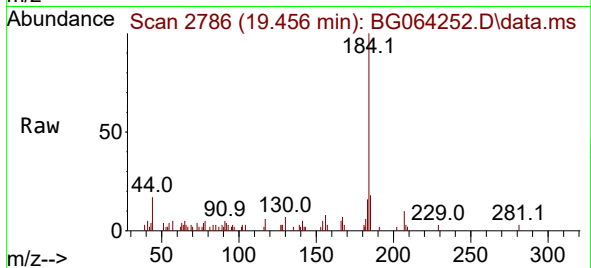
Tgt Ion:184	Resp:	1987
Ion Ratio	Lower	Upper
184	100	
185	18.4	11.7 17.5
183	15.8	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#78

Pyrene

Concen: 4.345 ng

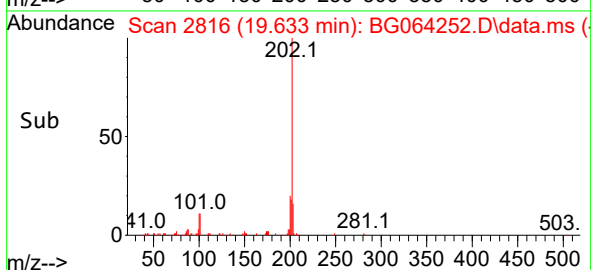
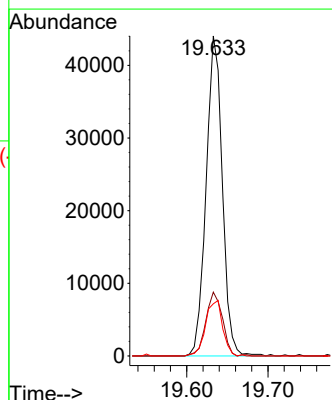
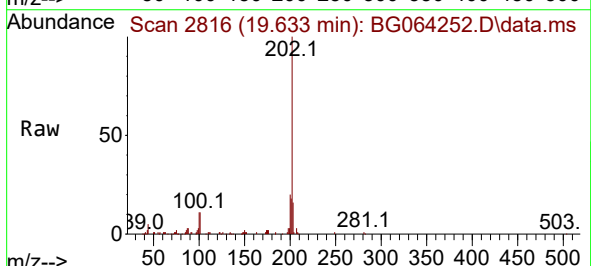
RT: 19.633 min Scan# 2816

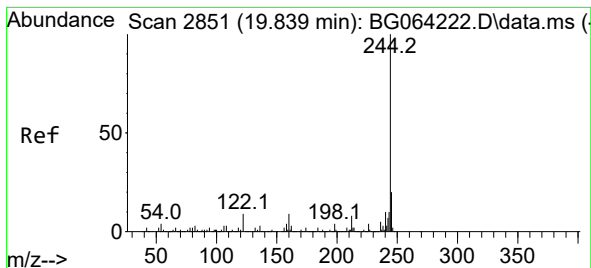
Delta R.T. -0.007 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:202	Resp:	60915
Ion Ratio	Lower	Upper
202	100	
200	20.0	16.9 25.3
203	16.3	13.8 20.8





#79

Terphenyl-d14

Concen: 102.326 ng

RT: 19.844 min Scan# 2851

Delta R.T. -0.001 min

Lab File: BG064252.D

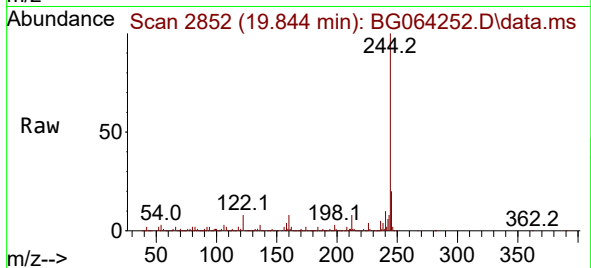
Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:244 Resp: 1091458

Ion Ratio Lower Upper

244 100

212 7.5 6.6 10.0

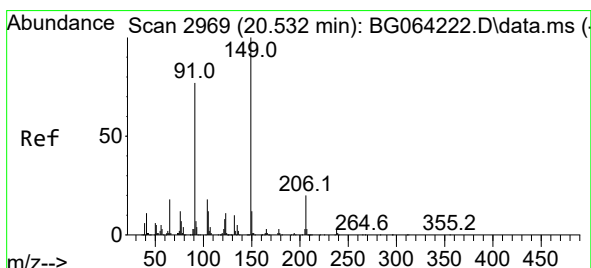
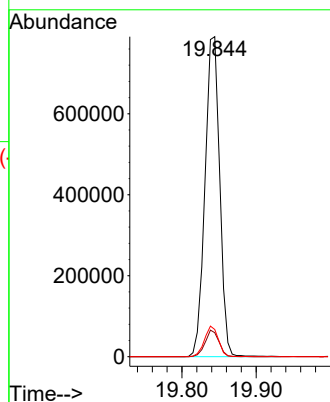
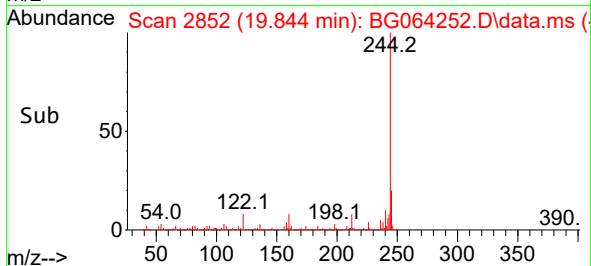
122 8.5 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#80

Butylbenzylphthalate

Concen: 4.885 ng

RT: 20.532 min Scan# 2969

Delta R.T. -0.001 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

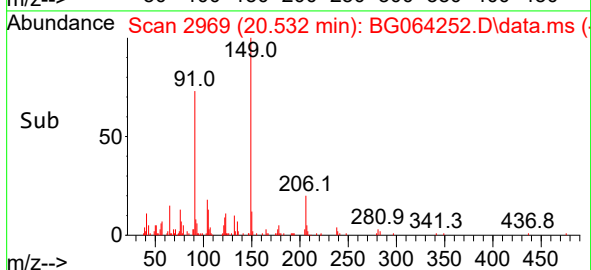
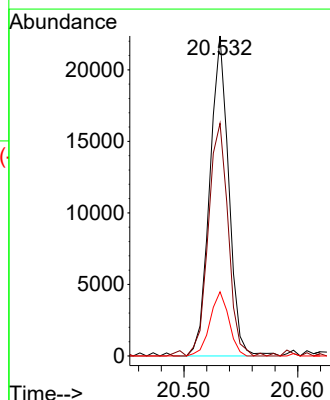
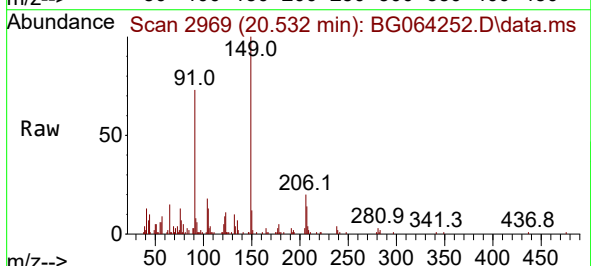
Tgt Ion:149 Resp: 25832

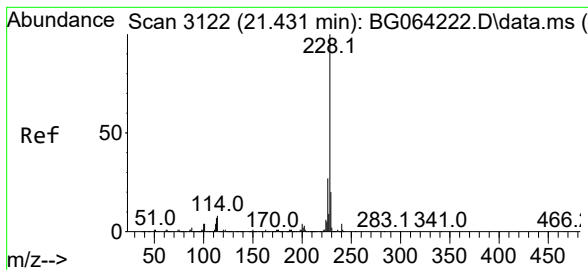
Ion Ratio Lower Upper

149 100

91 72.7 61.4 92.0

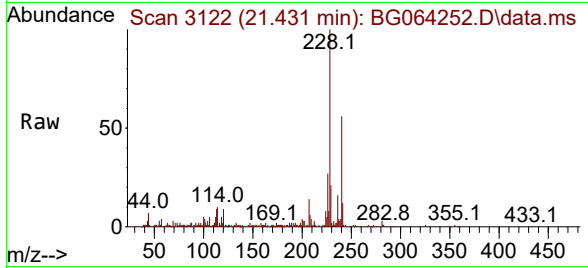
206 20.0 15.8 23.6





#81
Benzo(a)anthracene
Concen: 4.436 ng
RT: 21.431 min Scan# 3122
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

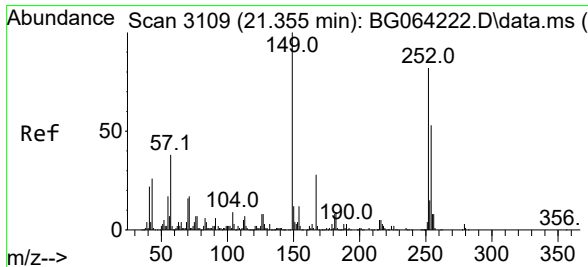
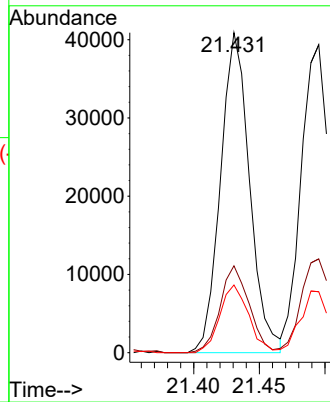
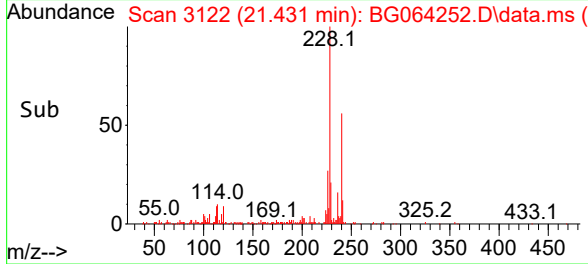
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:228 Resp: 6316
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 21.2 15.9 23.9

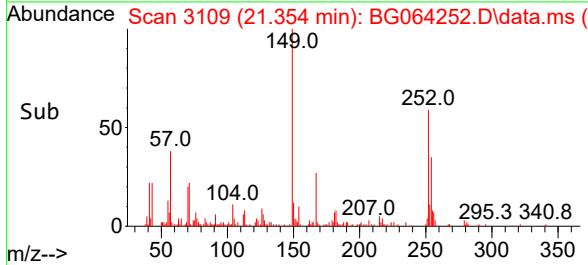
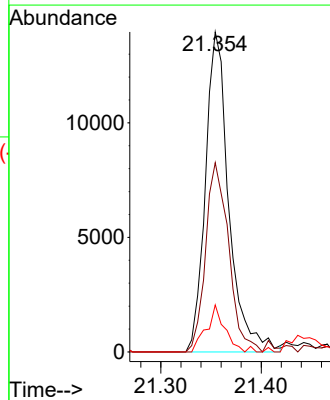
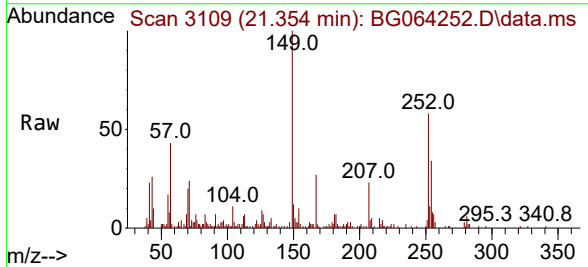
Manual Integrations
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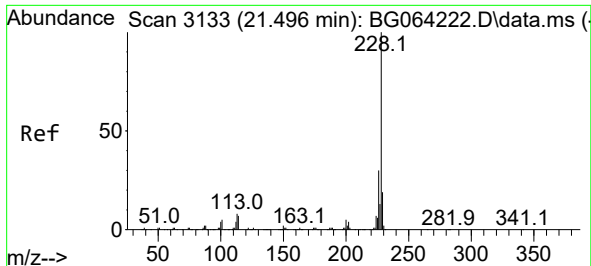
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 4.900 ng
RT: 21.354 min Scan# 3109
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

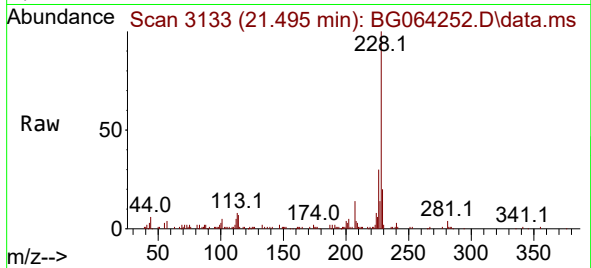
Tgt Ion:252 Resp: 22722
Ion Ratio Lower Upper
252 100
254 59.2 51.9 77.9
126 14.7 7.6 11.4#





#83
Chrysene
Concen: 4.477 ng
RT: 21.495 min Scan# 3113
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

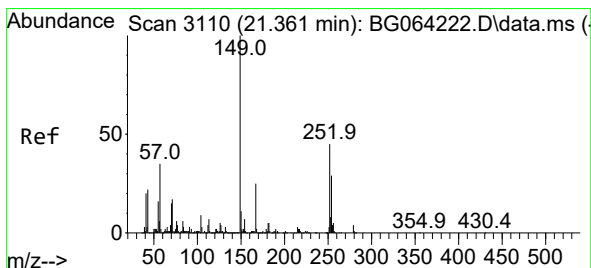
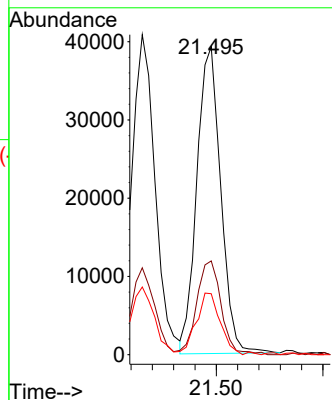
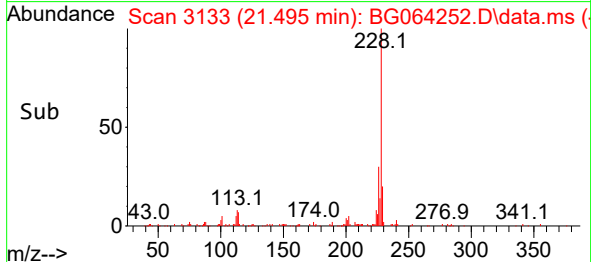
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:228 Resp: 61194
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 19.8 15.4 23.2

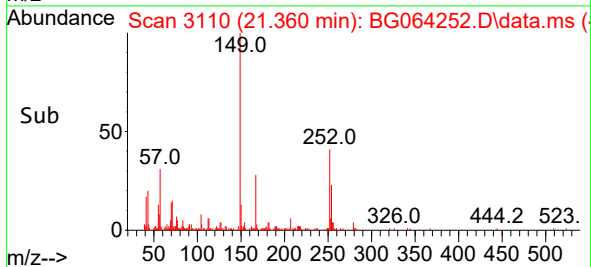
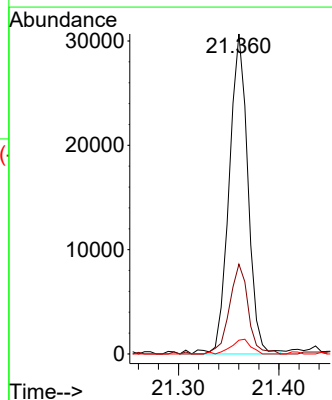
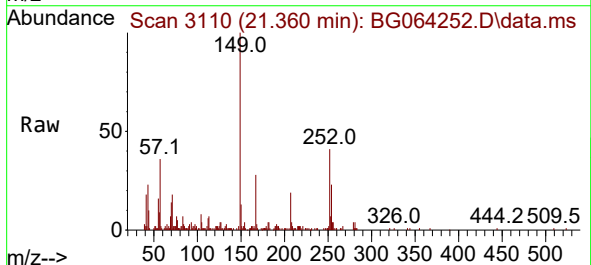
Manual Integrations
APPROVED

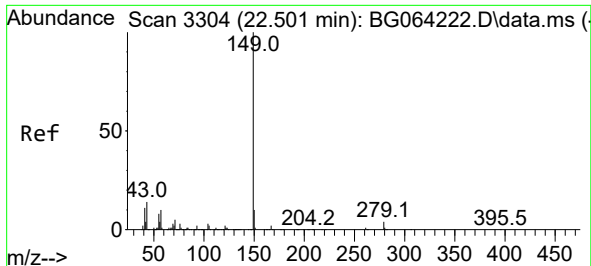
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.011 ng
RT: 21.360 min Scan# 3110
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

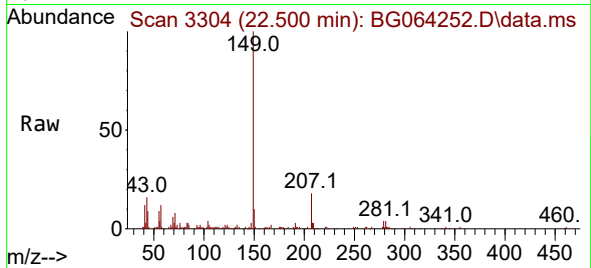
Tgt Ion:149 Resp: 39781
Ion Ratio Lower Upper
149 100
167 28.1 20.0 30.0
279 4.3 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 4.683 ng
RT: 22.500 min Scan# 3304
Delta R.T. -0.007 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

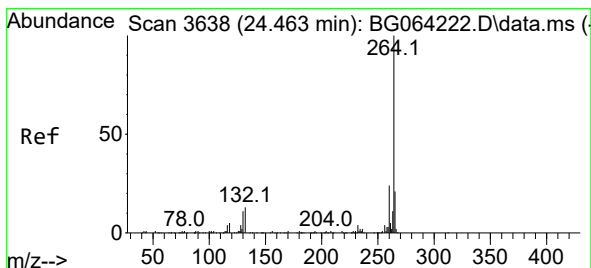
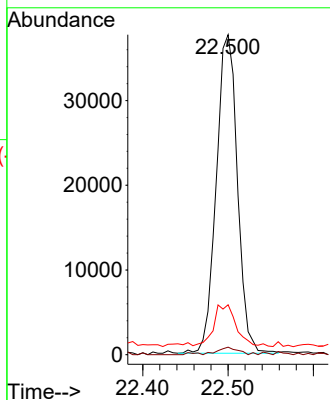
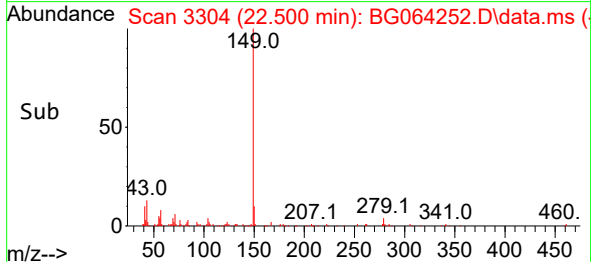
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:149 Resp: 64788
Ion Ratio Lower Upper
149 100
167 2.2 1.3 1.9
43 14.3 10.8 16.2

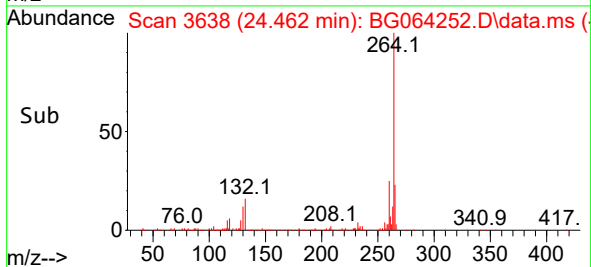
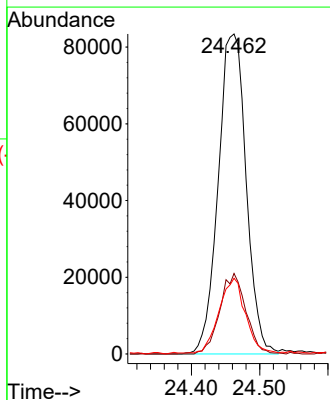
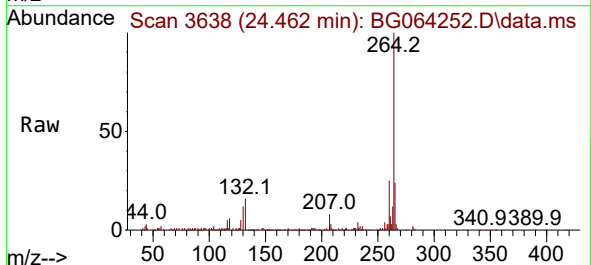
Manual Integrations
APPROVED

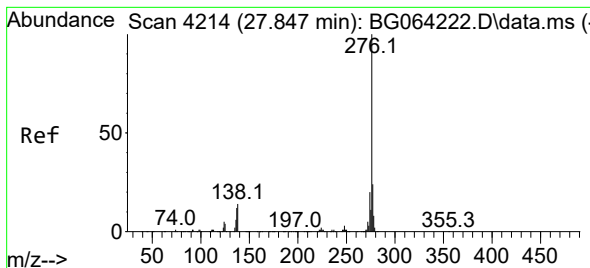
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3638
Delta R.T. -0.001 min
Lab File: BG064252.D
Acq: 3 Sep 2025 13:42

Tgt Ion:264 Resp: 237940
Ion Ratio Lower Upper
264 100
260 25.1 18.9 28.3
265 23.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.473 ng

RT: 27.847 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

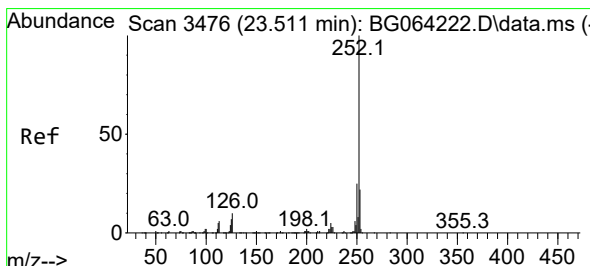
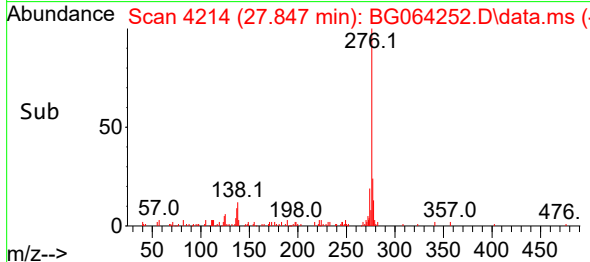
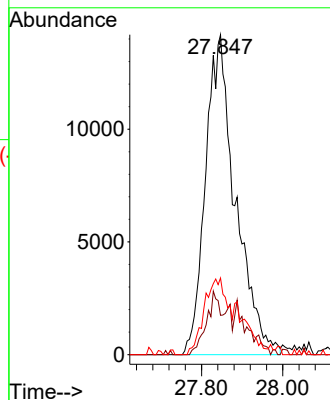
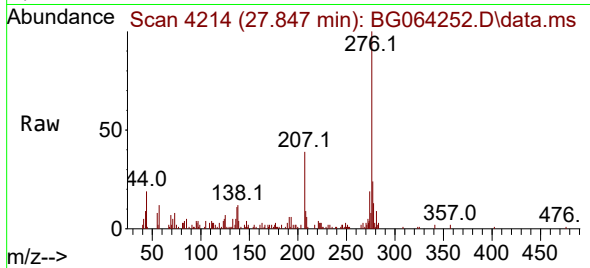
Tgt Ion:	276	Resp:	72670
Ion Ratio	Lower	Upper	
276	100		
138	9.5	7.4	11.0
277	18.6	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#88

Benzo(b)fluoranthene

Concen: 4.667 ng m

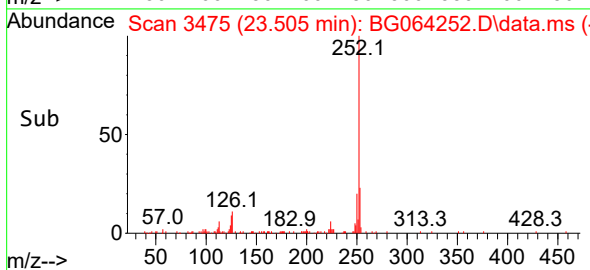
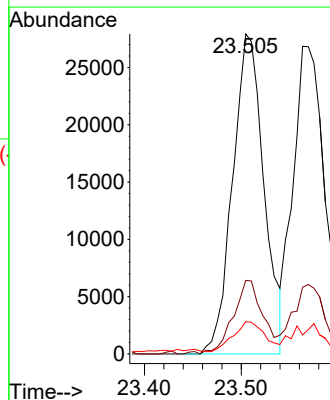
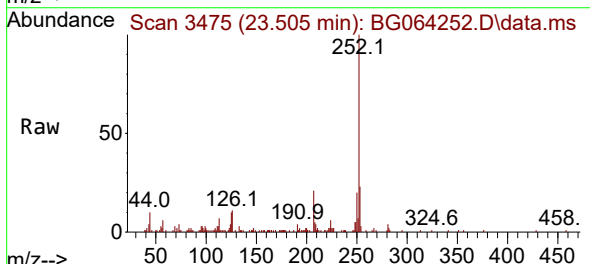
RT: 23.505 min Scan# 3475

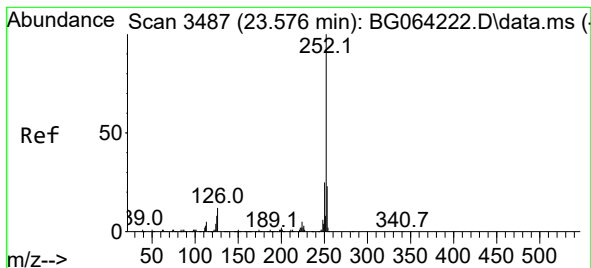
Delta R.T. -0.013 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:	252	Resp:	62677
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	10.1	5.9	8.9





#89

Benzo(k)fluoranthene

Concen: 4.616 ng m

RT: 23.563 min Scan# 34

Delta R.T. -0.024 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

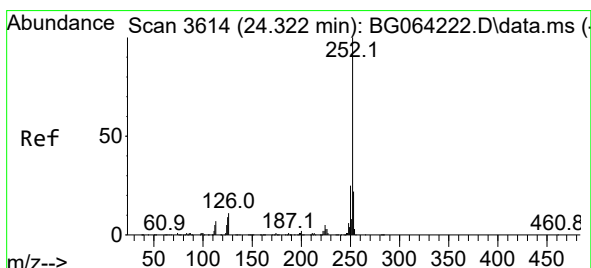
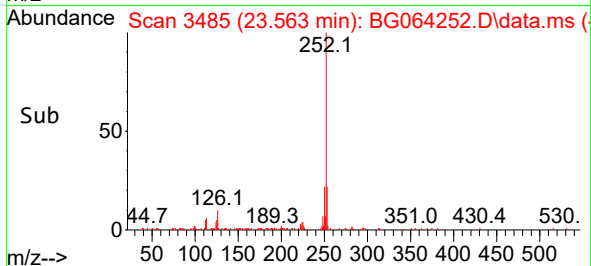
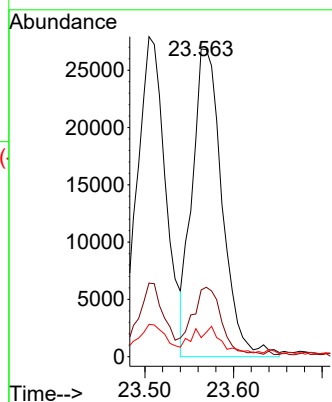
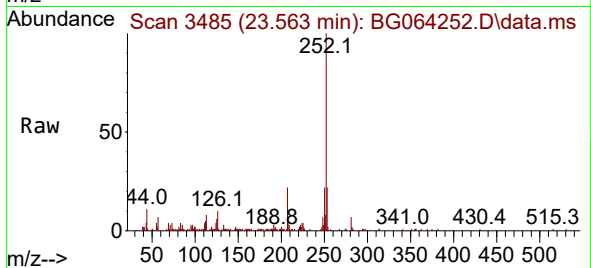
Tgt Ion:252 Resp: 6315
 Ion Ratio Lower Upper
 252 100
 253 21.7 18.2 27.4
 125 6.2 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#90

Benzo(a)pyrene

Concen: 4.659 ng

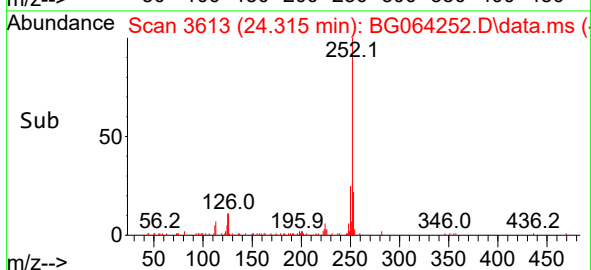
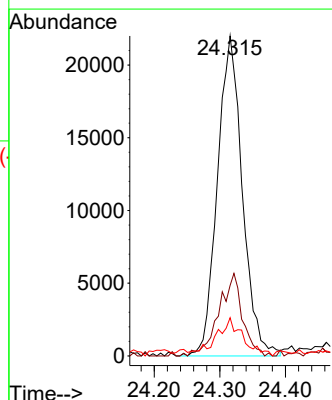
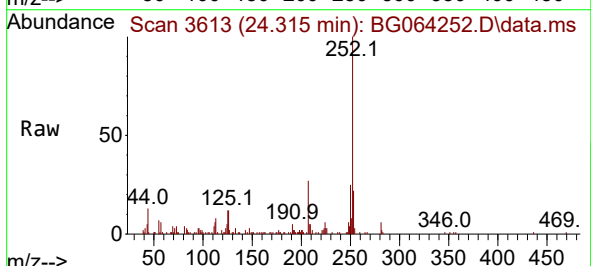
RT: 24.315 min Scan# 3613

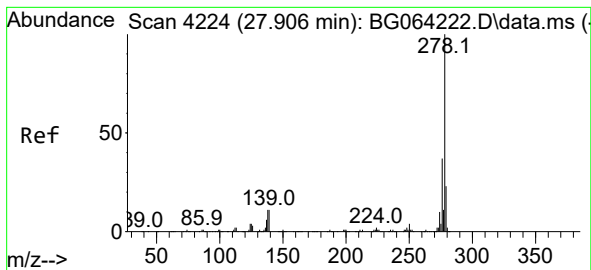
Delta R.T. -0.013 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:252 Resp: 58197
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.2
 125 11.9 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 4.432 ng

RT: 27.900 min Scan# 4224

Delta R.T. -0.024 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

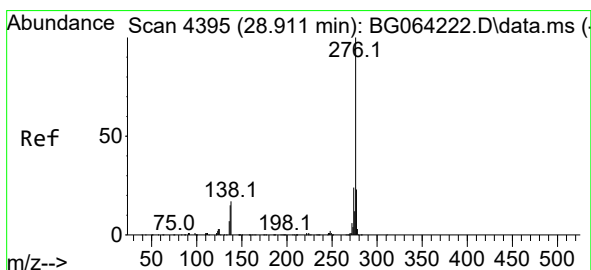
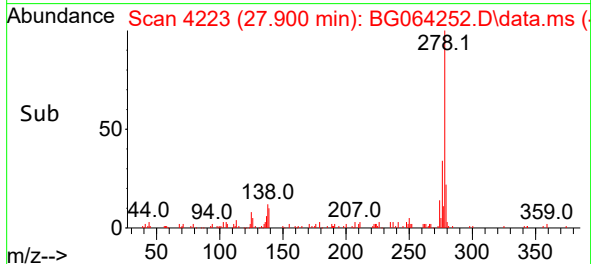
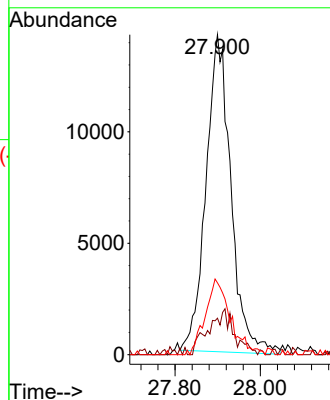
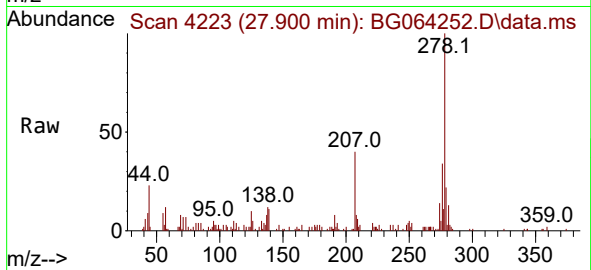
Tgt Ion:278	Resp:	57819
Ion Ratio	Lower	Upper
278	100	
139	11.4	9.0 13.4
279	22.5	18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/04/2025

Supervised By :Jagrut Upadhyay 09/04/2025



#92

Benzo(g,h,i)perylene

Concen: 4.632 ng

RT: 28.887 min Scan# 4391

Delta R.T. -0.048 min

Lab File: BG064252.D

Acq: 3 Sep 2025 13:42

Tgt Ion:276	Resp:	58802
Ion Ratio	Lower	Upper
276	100	
277	23.5	18.2 27.4
138	16.8	13.3 19.9

