

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
 Data File : BG064293.D
 Acq On : 5 Sep 2025 15:08
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Sep 05 15:59:33 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 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	26105	20.000	ng	0.00
21) Naphthalene-d8	10.638	136	115414	20.000	ng	-0.01
39) Acenaphthene-d10	14.475	164	85143	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	209502	20.000	ng	# 0.00
76) Chrysene-d12	21.449	240	223019	20.000	ng	0.00
86) Perylene-d12	24.451	264	242512	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.438	112	172382	118.471	ng	0.00
7) Phenol-d6	7.025	99	244232	122.177	ng	0.00
23) Nitrobenzene-d5	9.005	82	183866	88.848	ng	-0.01
42) 2,4,6-Tribromophenol	15.967	330	163308	144.808	ng	0.00
45) 2-Fluorobiphenyl	13.100	172	483266	86.635	ng	-0.01
79) Terphenyl-d14	19.839	244	971431	90.878	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.358	88	4468	7.367	ng	91
3) Pyridine	3.746	79	12431	6.963	ng	# 49
4) n-Nitrosodimethylamine	3.664	42	9150	7.749	ng	# 97
6) Aniline	7.177	93	19953	7.218	ng	# 88
8) 2-Chlorophenol	7.418	128	13017	7.321	ng	88
9) Benzaldehyde	6.995	77	12035	7.316	ng	93
10) Phenol	7.048	94	15619	7.087	ng	# 79
11) bis(2-Chloroethyl)ether	7.277	93	10772	6.504	ng	88
12) 1,3-Dichlorobenzene	7.747	146	14844	7.847	ng	89
13) 1,4-Dichlorobenzene	7.888	146	14909	7.810	ng	98
14) 1,2-Dichlorobenzene	8.206	146	14502	7.871	ng	96
15) Benzyl Alcohol	8.088	79	13227	7.170	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.376	45	22573	5.970	ng	94
17) 2-Methylphenol	8.294	107	11116	6.768	ng	90
18) Hexachloroethane	8.928	117	5793	7.774	ng	93
19) n-Nitroso-di-n-propyla...	8.646	70	11423	7.467	ng	# 96
20) 3+4-Methylphenols	8.617	107	15574	6.824	ng	92
22) Acetophenone	8.664	105	22675	7.766	ng	# 94
24) Nitrobenzene	9.046	77	16772	7.757	ng	# 87
25) Isophorone	9.569	82	31521	7.329	ng	97
26) 2-Nitrophenol	9.757	139	7216	7.724	ng	# 84
27) 2,4-Dimethylphenol	9.816	122	13223	8.061	ng	97
28) bis(2-Chloroethoxy)met...	10.051	93	16054	6.922	ng	91
29) 2,4-Dichlorophenol	10.286	162	12629	7.297	ng	98
30) 1,2,4-Trichlorobenzene	10.503	180	15018	8.230	ng	97
31) Naphthalene	10.691	128	45169	7.547	ng	96
32) Benzoic acid	9.910	122	7004m	5.379	ng	
33) 4-Chloroaniline	10.791	127	18333	7.903	ng	# 92
34) Hexachlorobutadiene	10.979	225	11168	8.279	ng	98
35) Caprolactam	11.543	113	4826	7.201	ng	# 90
36) 4-Chloro-3-methylphenol	11.925	107	16844	7.501	ng	88
37) 2-Methylnaphthalene	12.295	142	30594	6.877	ng	99
38) 1-Methylnaphthalene	12.518	142	32205	7.329	ng	95
40) 1,2,4,5-Tetrachloroben...	12.665	216	19812	8.065	ng	97
41) Hexachlorocyclopentadiene	12.647	237	10671	9.140	ng	90
43) 2,4,6-Trichlorophenol	12.906	196	12661	7.711	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
 Data File : BG064293.D
 Acq On : 5 Sep 2025 15:08
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

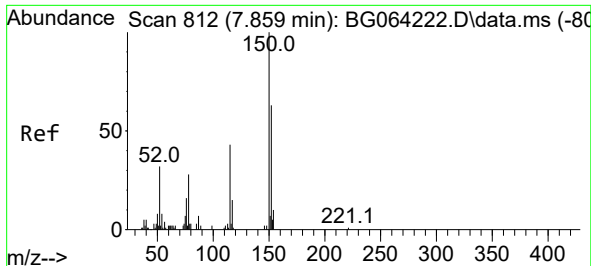
Quant Time: Sep 05 15:59:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025

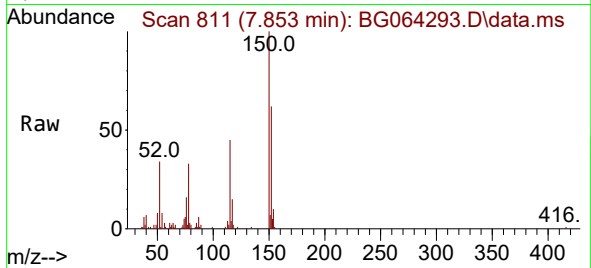
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.977	196	13242	7.434	ng	96
46) 1,1'-Biphenyl	13.311	154	48078	7.753	ng	97
47) 2-Chloronaphthalene	13.347	162	33791	7.248	ng	97
48) 2-Nitroaniline	13.552	65	11935	7.511	ng	100
49) Acenaphthylene	14.199	152	58707	8.518	ng	98
50) Dimethylphthalate	13.928	163	49852	7.735	ng	97
51) 2,6-Dinitrotoluene	14.052	165	9983	8.002	ng	# 75
52) Acenaphthene	14.539	154	35048	7.206	ng	93
53) 3-Nitroaniline	14.381	138	10231	7.829	ng	88
54) 2,4-Dinitrophenol	14.586	184	3949	10.154	ng	# 66
55) Dibenzofuran	14.874	168	60516	7.911	ng	94
56) 4-Nitrophenol	14.686	139	6644	6.198	ng	# 86
57) 2,4-Dinitrotoluene	14.839	165	14464	7.667	ng	# 84
58) Fluorene	15.521	166	48905	7.800	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.103	232	13601m	7.939	ng	
60) Diethylphthalate	15.297	149	53583	7.769	ng	97
61) 4-Chlorophenyl-phenyle...	15.521	204	24251	7.757	ng	99
62) 4-Nitroaniline	15.538	138	9890	7.416	ng	96
63) Azobenzene	15.814	77	46839	7.619	ng	98
65) 4,6-Dinitro-2-methylph...	15.597	198	8686	7.221	ng	87
66) n-Nitrosodiphenylamine	15.732	169	42437	7.363	ng	96
67) 4-Bromophenyl-phenylether	16.414	248	17130	7.698	ng	98
68) Hexachlorobenzene	16.525	284	19609	7.936	ng	92
69) Atrazine	16.678	200	19760	8.211	ng	91
70) Pentachlorophenol	16.872	266	10718	7.154	ng	94
71) Phenanthrene	17.260	178	82179	7.437	ng	98
72) Anthracene	17.348	178	83508	7.429	ng	99
73) Carbazole	17.618	167	75171	7.592	ng	99
74) Di-n-butylphthalate	18.188	149	89338	7.510	ng	99
75) Fluoranthene	19.269	202	98132	7.553	ng	97
77) Benzidine	19.451	184	45558	9.711	ng	97
78) Pyrene	19.633	202	103790	7.387	ng	97
80) Butylbenzylphthalate	20.532	149	39274	7.411	ng	92
81) Benzo(a)anthracene	21.431	228	104441	7.320	ng	98
82) 3,3'-Dichlorobenzidine	21.355	252	36916	7.945	ng	86
83) Chrysene	21.490	228	101906	7.440	ng	98
84) Bis(2-ethylhexyl)phtha...	21.355	149	58341	7.333	ng	94
85) Di-n-octyl phthalate	22.495	149	98798	7.127	ng	97
87) Indeno(1,2,3-cd)pyrene	27.841	276	121657	7.346	ng	# 93
88) Benzo(b)fluoranthene	23.505	252	100009	7.307	ng	98
89) Benzo(k)fluoranthene	23.564	252	102972	7.385	ng	98
90) Benzo(a)pyrene	24.316	252	100095	7.862	ng	# 95
91) Dibenzo(a,h)anthracene	27.894	278	99677	7.496	ng	98
92) Benzo(g,h,i)perylene	28.893	276	98761	7.633	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

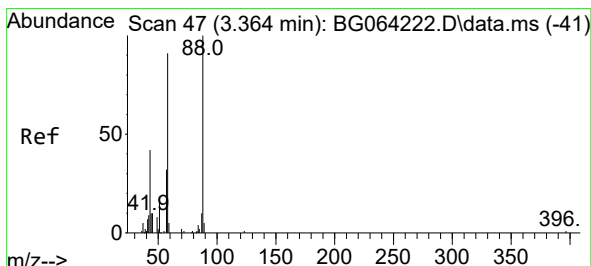
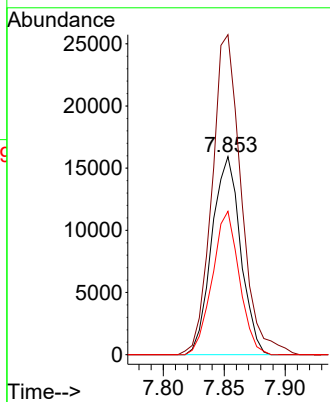
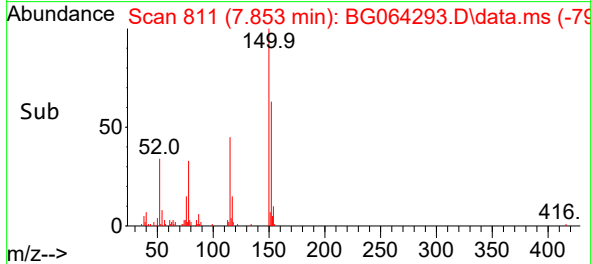
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:152 Resp: 2610
Ion Ratio Lower Upper
152 100
150 161.5 128.0 192.0
115 72.4 55.7 83.5

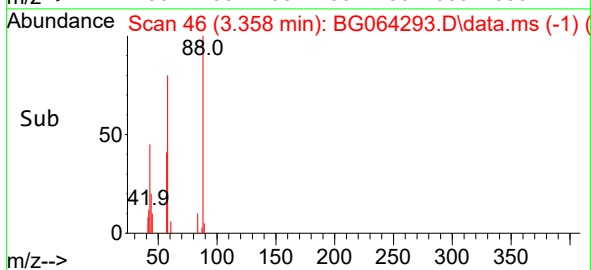
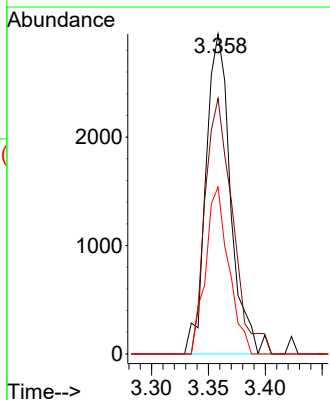
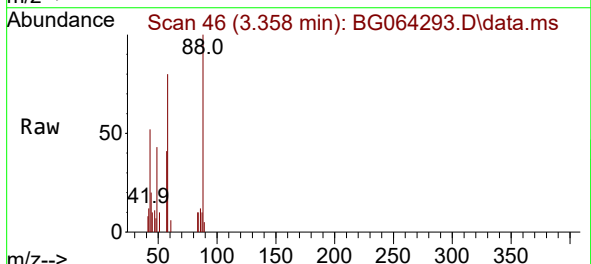
Manual Integrations
APPROVED

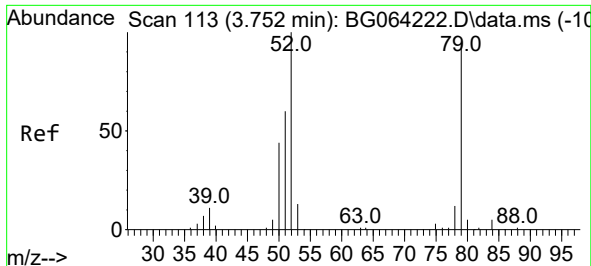
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#2
1,4-Dioxane
Concen: 7.367 ng
RT: 3.358 min Scan# 46
Delta R.T. -0.000 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

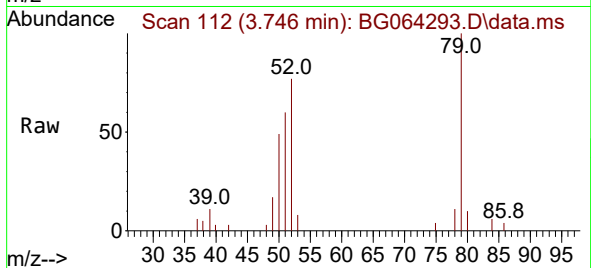
Tgt Ion: 88 Resp: 4468
Ion Ratio Lower Upper
88 100
58 88.2 80.8 121.2
43 48.8 40.3 60.5





#3
Pyridine
Concen: 6.963 ng
RT: 3.746 min Scan# 113
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

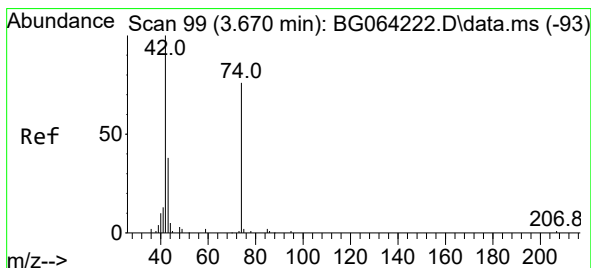
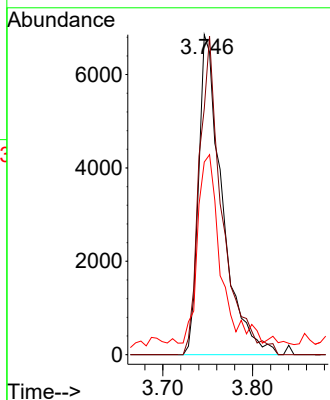
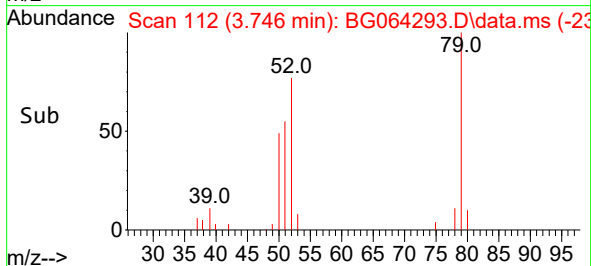
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 79 Resp: 1243
Ion Ratio Lower Upper
79 100
52 77.0 86.6 129.8
51 60.2 114.1 171.1

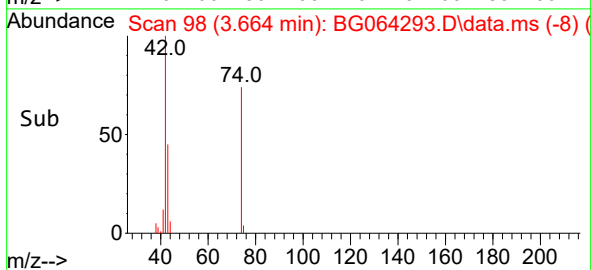
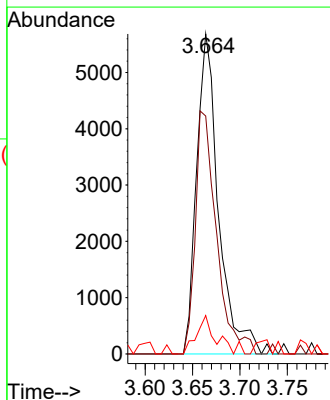
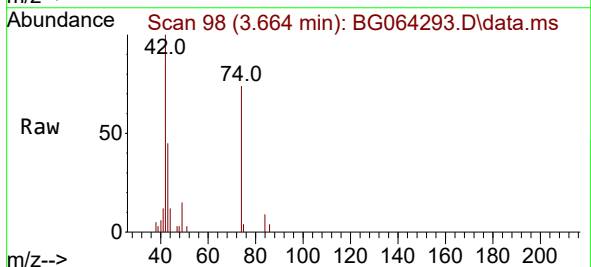
Manual Integrations
APPROVED

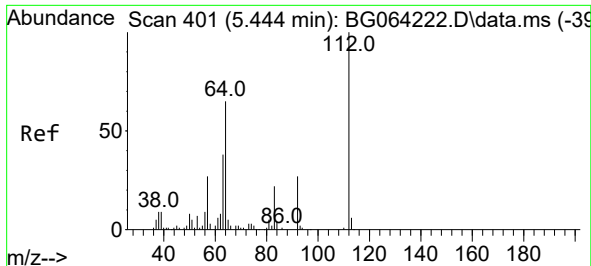
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#4
n-Nitrosodimethylamine
Concen: 7.749 ng
RT: 3.664 min Scan# 98
Delta R.T. -0.000 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

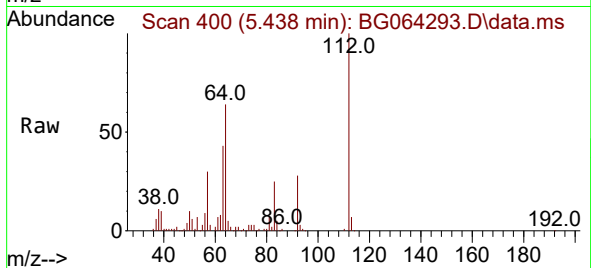
Tgt Ion: 42 Resp: 9150
Ion Ratio Lower Upper
42 100
74 74.3 58.0 87.0
44 12.0 5.5 8.3





#5
2-Fluorophenol
Concen: 118.471 ng
RT: 5.438 min Scan# 401
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

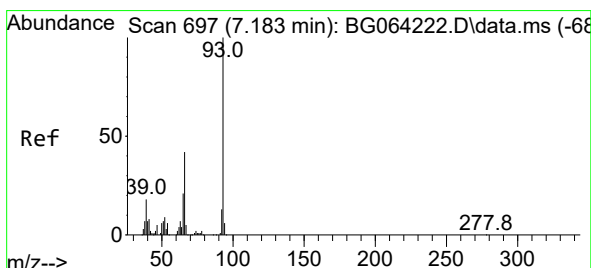
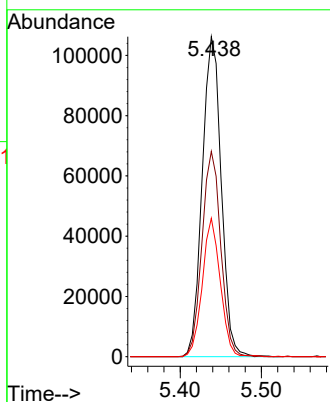
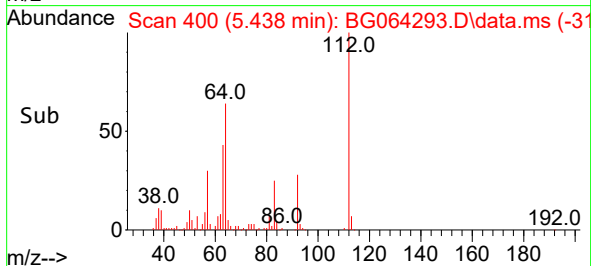
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:112 Resp: 17238
Ion Ratio Lower Upper
112 100
64 64.2 51.8 77.6
63 43.3 30.6 45.8

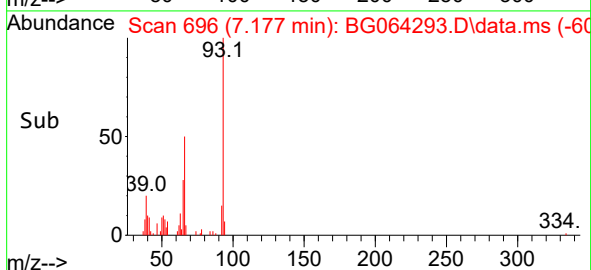
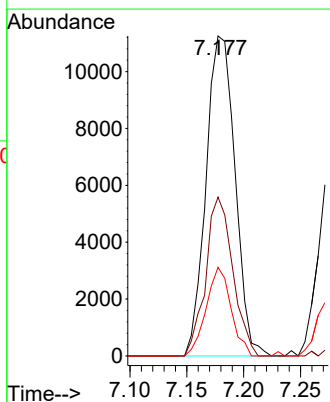
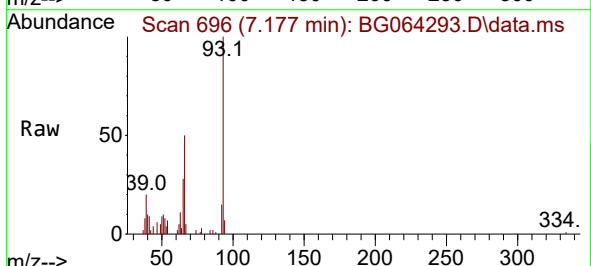
Manual Integrations
APPROVED

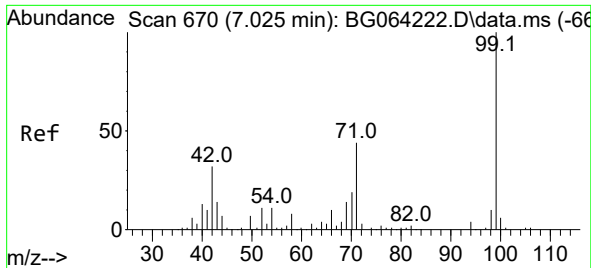
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#6
Aniline
Concen: 7.218 ng
RT: 7.177 min Scan# 696
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

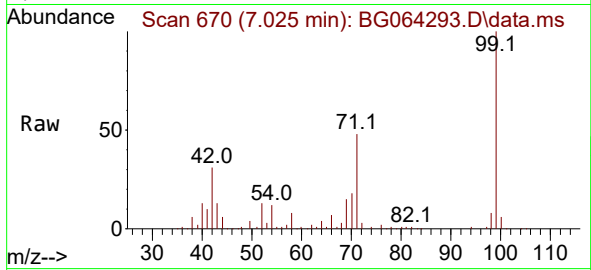
Tgt Ion: 93 Resp: 19953
Ion Ratio Lower Upper
93 100
66 49.6 33.8 50.8
65 27.7 16.9 25.3





#7
Phenol-d6
Concen: 122.177 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

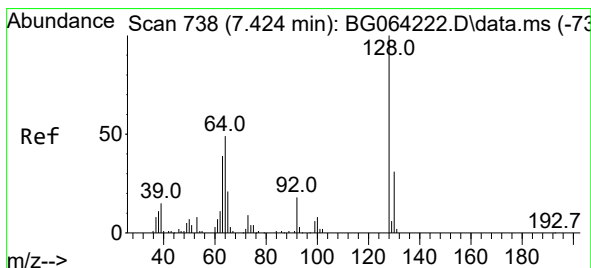
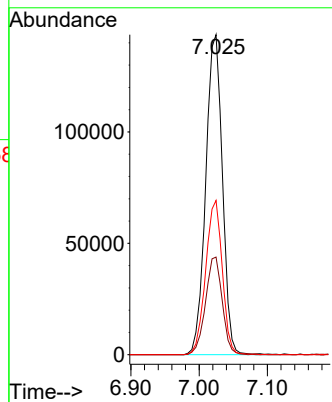
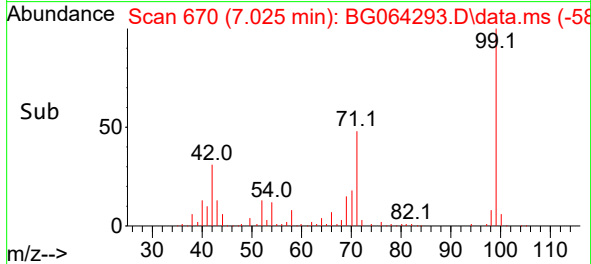
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 99 Resp: 24423
Ion Ratio Lower Upper
99 100
42 30.5 25.8 38.8
71 48.2 35.2 52.8

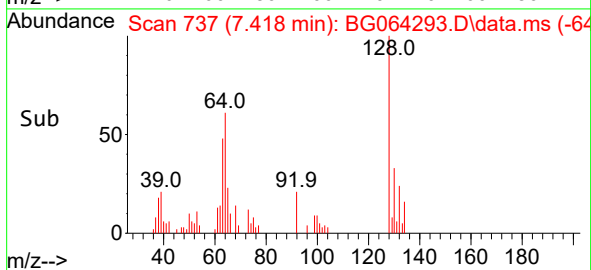
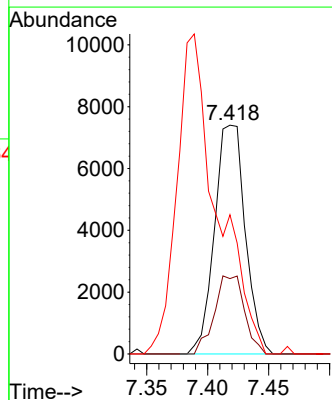
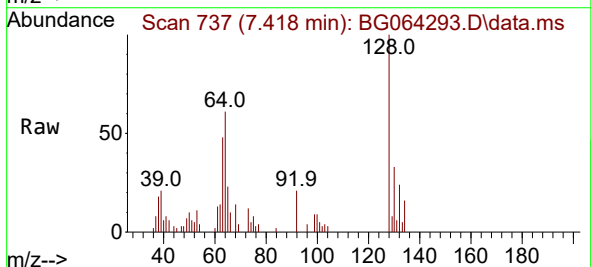
Manual Integrations
APPROVED

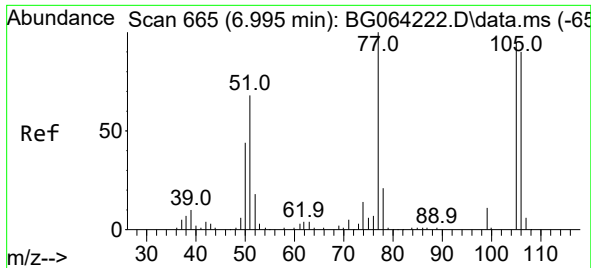
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#8
2-Chlorophenol
Concen: 7.321 ng
RT: 7.418 min Scan# 737
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

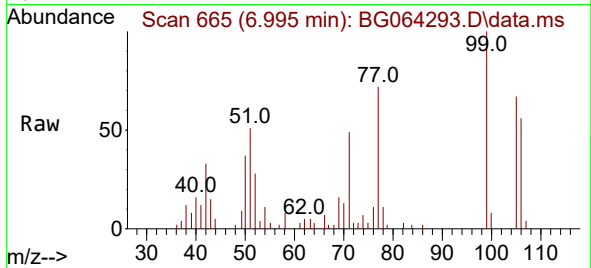
Tgt Ion:128 Resp: 13017
Ion Ratio Lower Upper
128 100
130 32.9 10.9 50.9
64 60.8 28.7 68.7





#9
Benzaldehyde
Concen: 7.316 ng
RT: 6.995 min Scan# 665
Delta R.T. 0.000 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

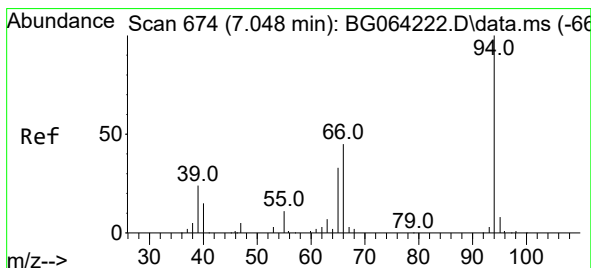
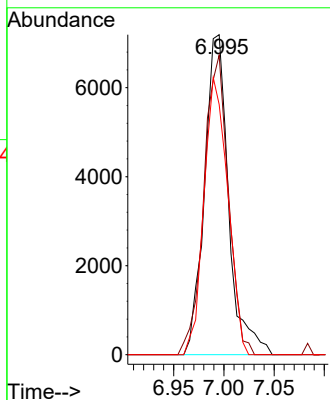
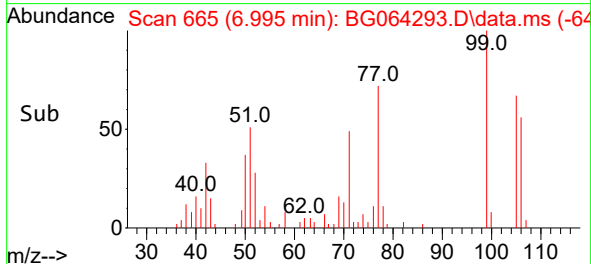
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 77 Resp: 12035
Ion Ratio Lower Upper
77 100
105 93.6 75.2 115.2
106 78.2 69.6 109.6

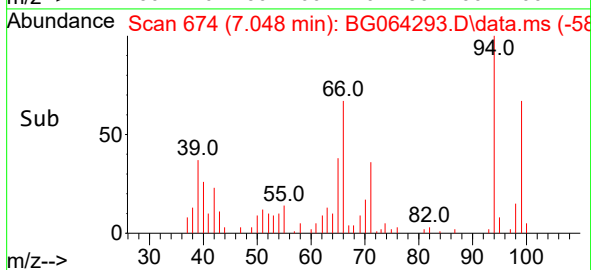
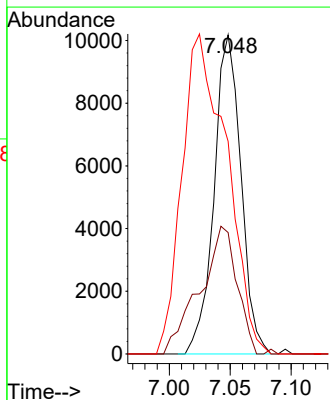
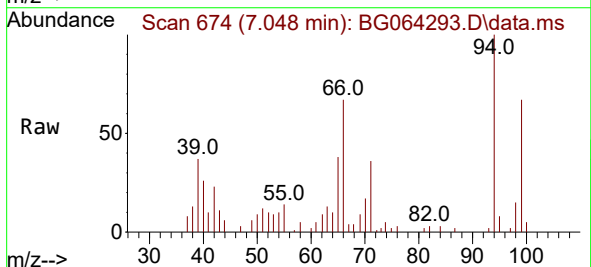
Manual Integrations
APPROVED

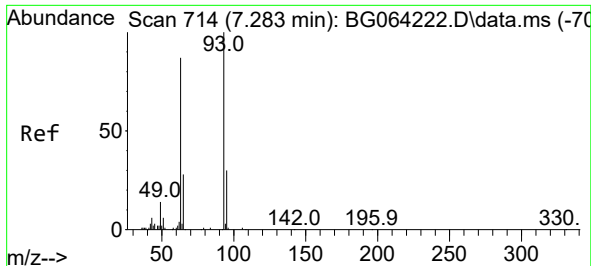
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#10
Phenol
Concen: 7.087 ng
RT: 7.048 min Scan# 674
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

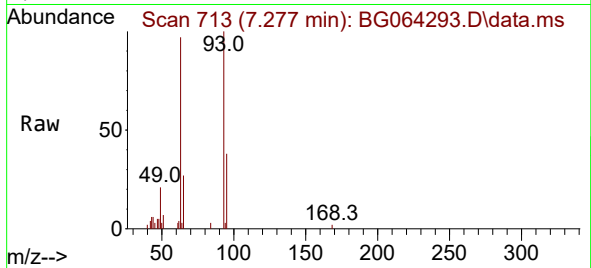
Tgt Ion: 94 Resp: 15619
Ion Ratio Lower Upper
94 100
65 38.1 13.5 53.5
66 66.6 26.2 66.2#





#11
bis(2-Chloroethyl)ether
Concen: 6.504 ng
RT: 7.277 min Scan# 714
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

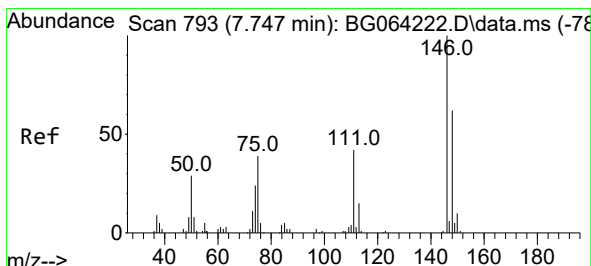
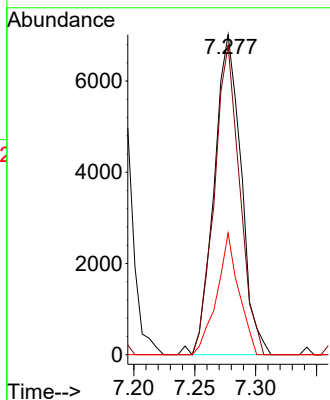
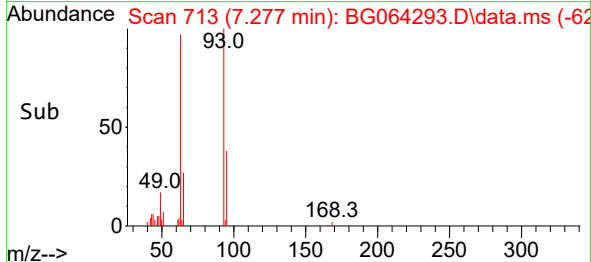
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 93 Resp: 10772
Ion Ratio Lower Upper
93 100
63 96.7 66.2 106.2
95 38.0 9.8 49.8

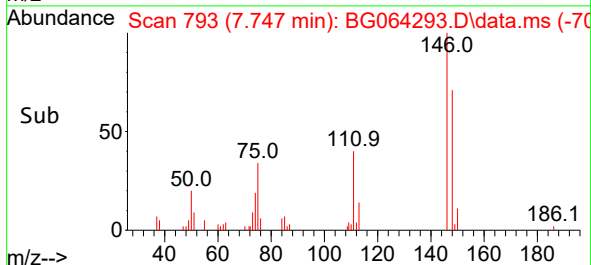
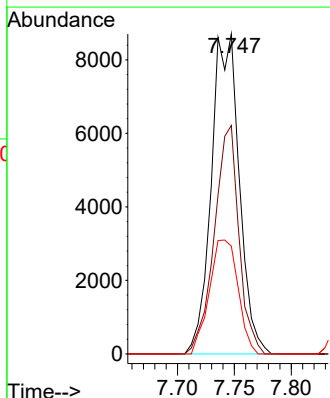
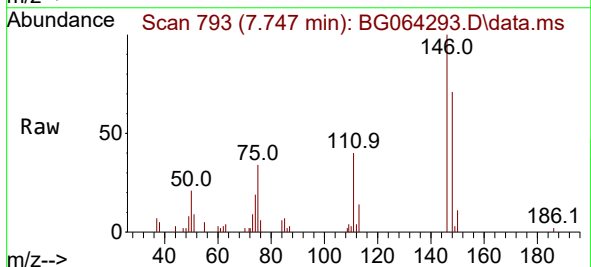
Manual Integrations
APPROVED

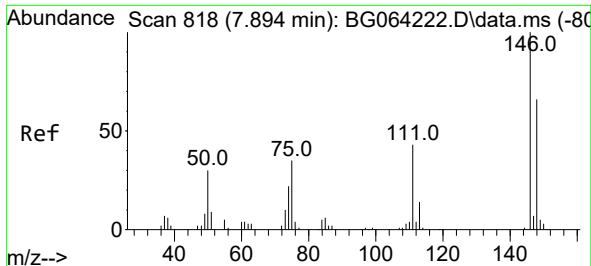
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#12
1,3-Dichlorobenzene
Concen: 7.847 ng
RT: 7.747 min Scan# 793
Delta R.T. -0.000 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:146 Resp: 14844
Ion Ratio Lower Upper
146 100
148 71.4 49.6 74.4
75 33.7 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 7.810 ng

RT: 7.888 min Scan# 818

Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

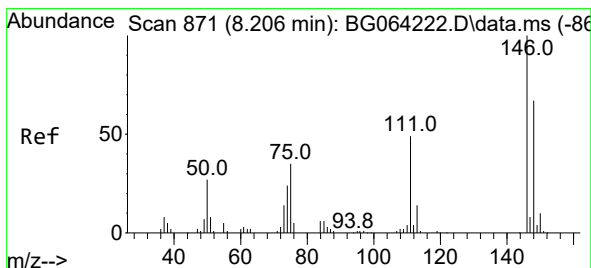
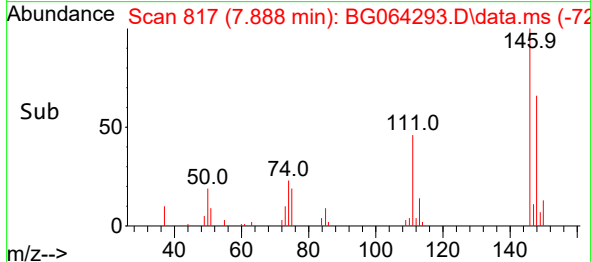
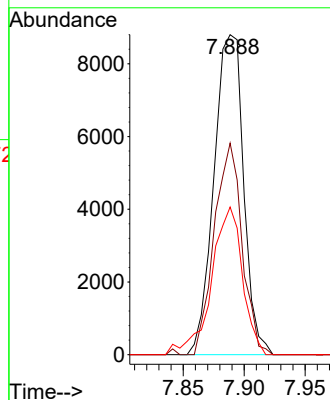
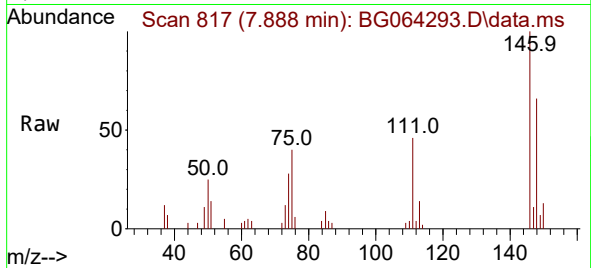
Tgt Ion:146 Resp: 14909
 Ion Ratio Lower Upper
 146 100
 148 66.1 52.8 79.2
 111 46.2 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#14

1,2-Dichlorobenzene

Concen: 7.871 ng

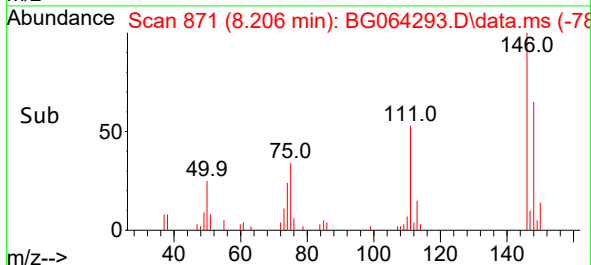
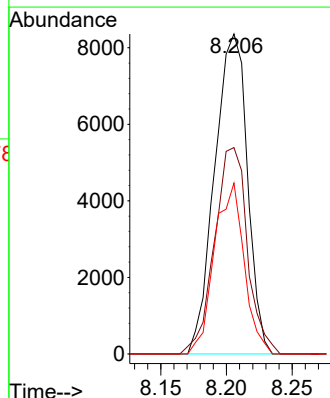
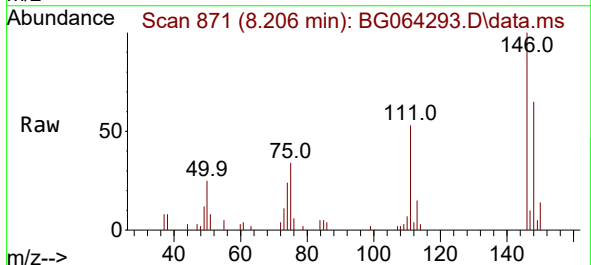
RT: 8.206 min Scan# 871

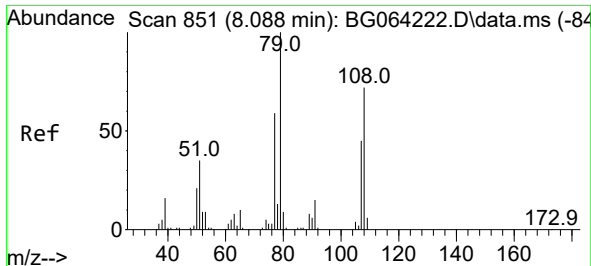
Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

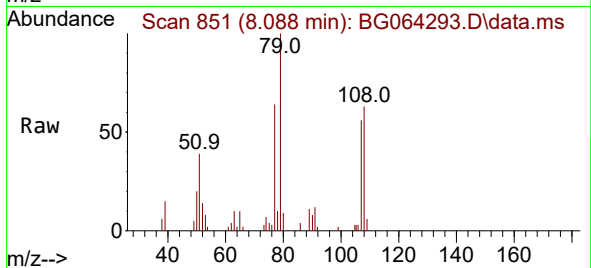
Tgt Ion:146 Resp: 14502
 Ion Ratio Lower Upper
 146 100
 148 64.5 53.4 80.0
 111 53.4 39.1 58.7





#15
Benzyl Alcohol
Concen: 7.170 ng
RT: 8.088 min Scan# 851
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

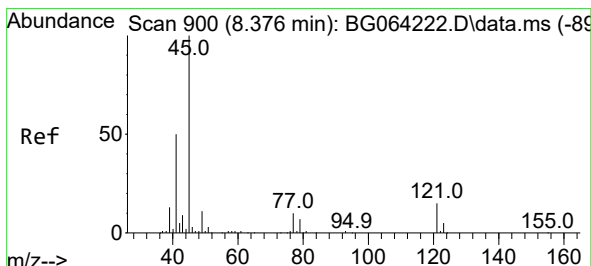
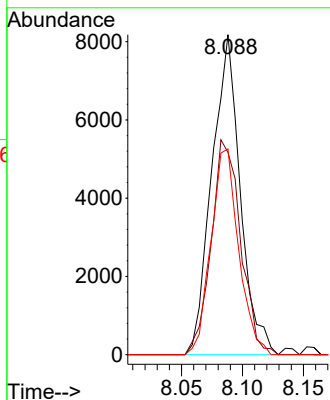
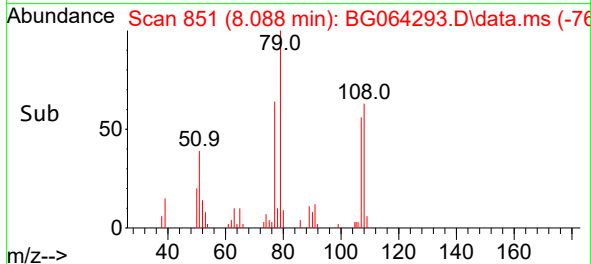
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



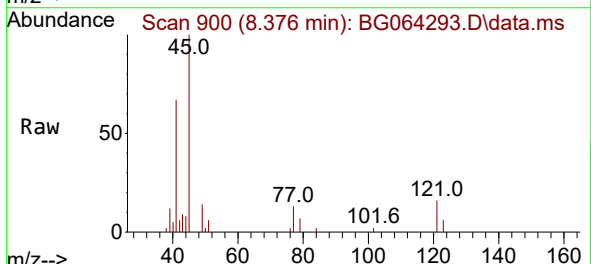
Tgt Ion: 79 Resp: 1322
Ion Ratio Lower Upper
79 100
108 63.2 57.4 86.0
77 64.3 47.2 70.8

Manual Integrations
APPROVED

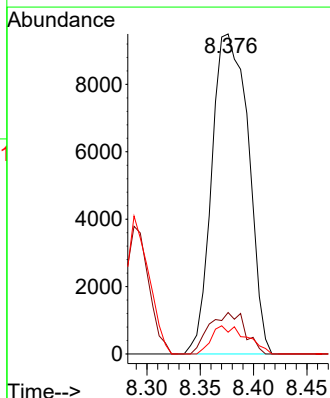
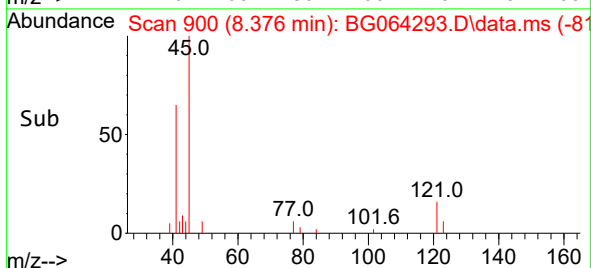
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

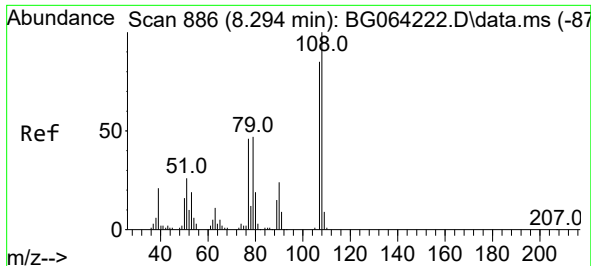


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.970 ng
RT: 8.376 min Scan# 900
Delta R.T. -0.000 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



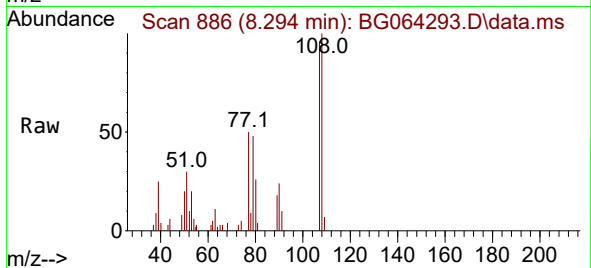
Tgt Ion: 45 Resp: 22573
Ion Ratio Lower Upper
45 100
77 13.0 0.0 30.0
79 6.8 0.0 27.9





#17
2-Methylphenol
Concen: 6.768 ng
RT: 8.294 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

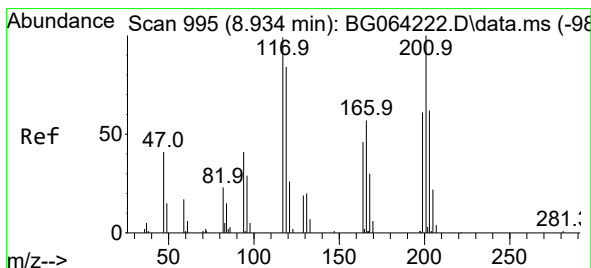
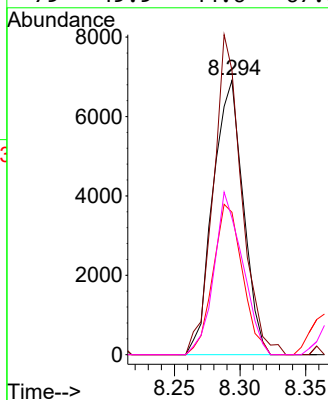
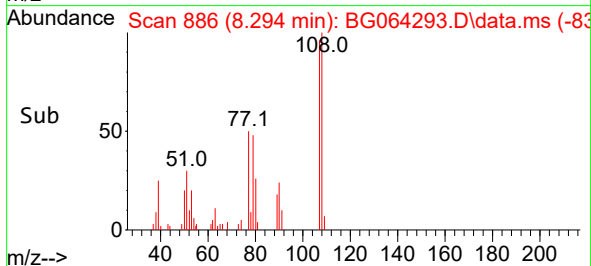
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:	107	Resp:	1111
Ion	Ratio	Lower	Upper
107	100		
108	103.6	94.6	141.8
77	51.9	43.7	65.5
79	49.9	44.6	67.0

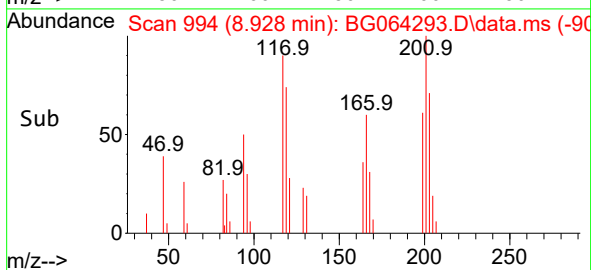
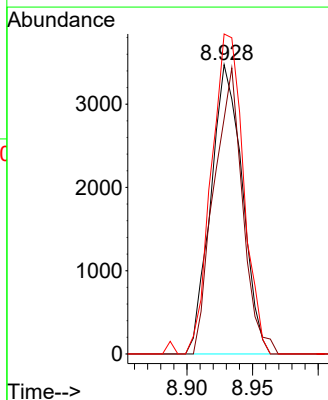
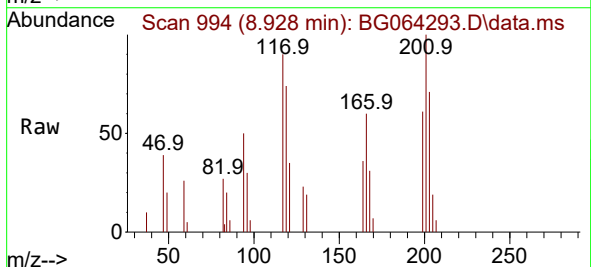
Manual Integrations
APPROVED

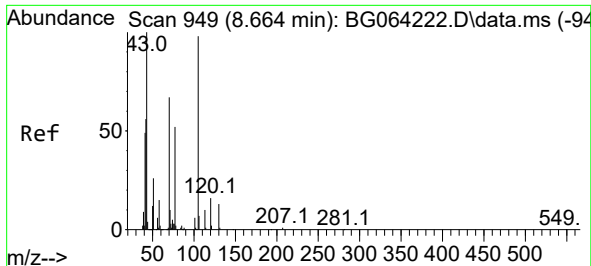
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#18
Hexachloroethane
Concen: 7.774 ng
RT: 8.928 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

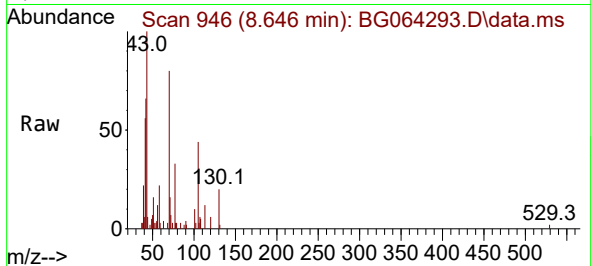
Tgt Ion:	117	Resp:	5793
Ion	Ratio	Lower	Upper
117	100		
119	81.3	67.9	101.9
201	110.6	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 7.467 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.018 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

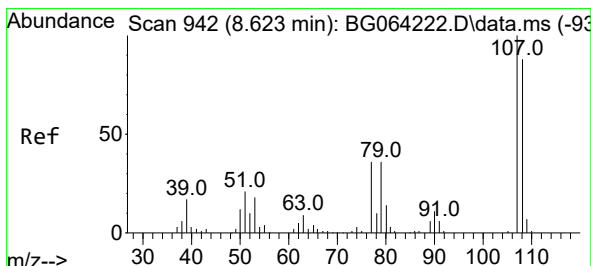
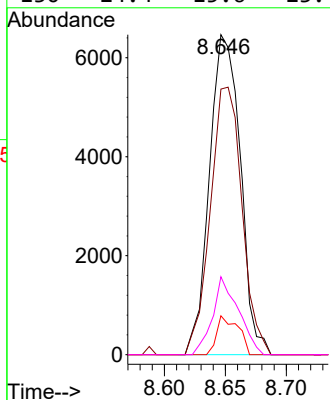
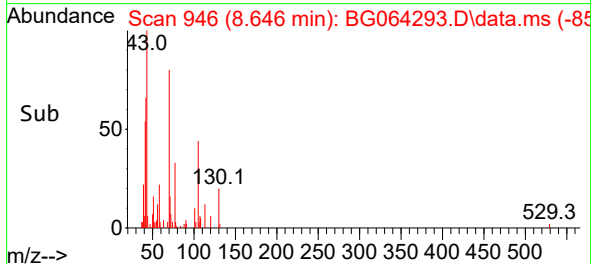
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



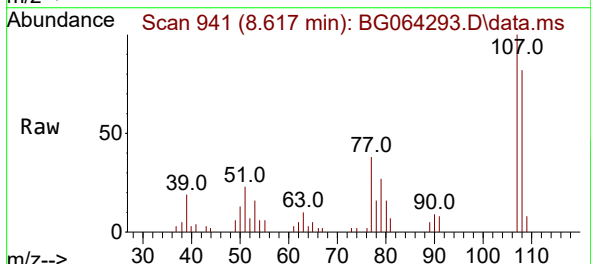
Tgt Ion: 70 Resp: 1142
Ion Ratio Lower Upper
70 100
42 83.0 67.9 101.9
101 12.1 7.3 10.9
130 24.4 15.6 23.4#

Manual Integrations
APPROVED

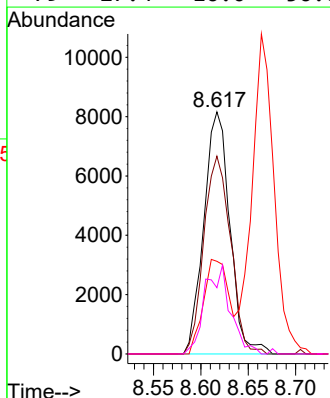
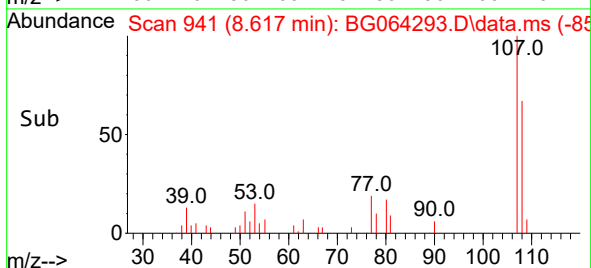
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

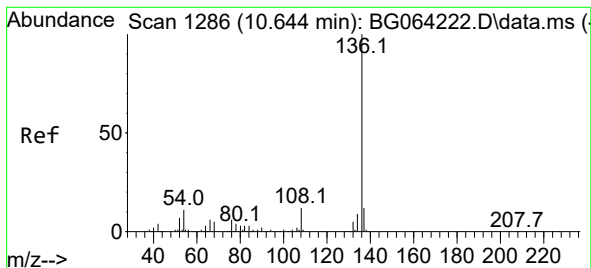


#20
3+4-Methylphenols
Concen: 6.824 ng
RT: 8.617 min Scan# 941
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



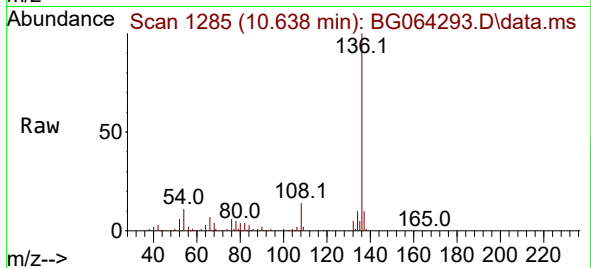
Tgt Ion:107 Resp: 15574
Ion Ratio Lower Upper
107 100
108 81.7 68.1 108.1
77 38.3 15.9 55.9
79 27.4 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 115414
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

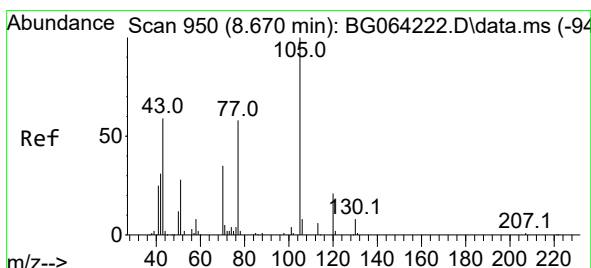
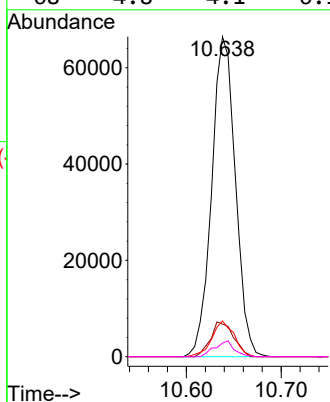
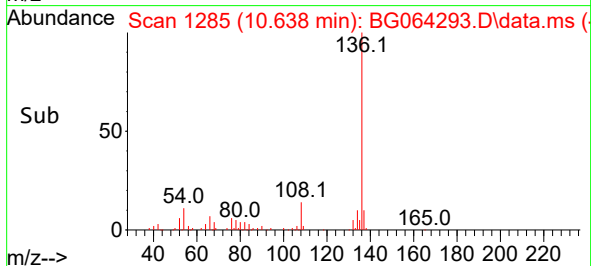
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:136 Resp: 115414
Ion Ratio Lower Upper
136 100
137 10.2 9.6 14.4
54 11.1 8.8 13.2
68 4.8 4.1 6.1

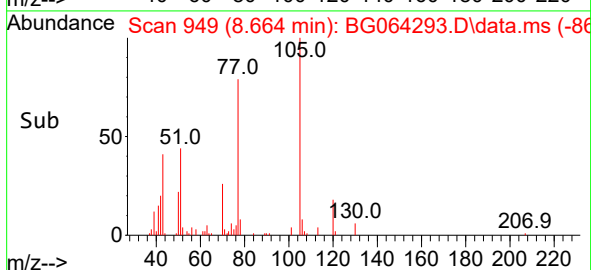
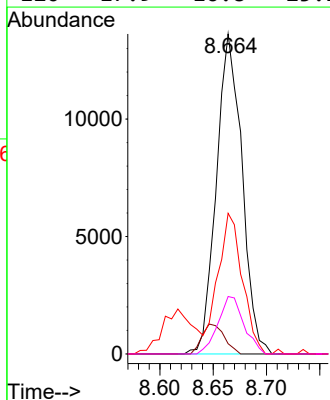
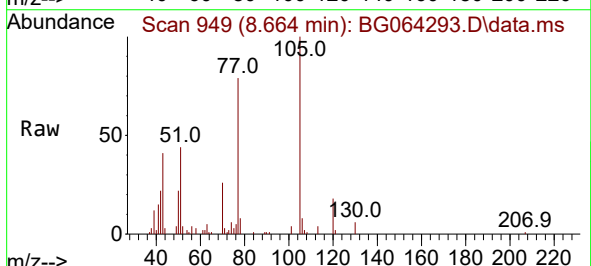
Manual Integrations
APPROVED

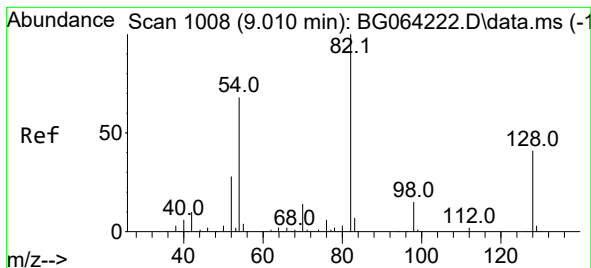
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#22
Acetophenone
Concen: 7.766 ng
RT: 8.664 min Scan# 949
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:105 Resp: 22675
Ion Ratio Lower Upper
105 100
71 3.2 4.3 6.5#
51 43.9 32.4 48.6
120 17.9 16.8 25.2





#23

Nitrobenzene-d5

Concen: 88.848 ng

RT: 9.005 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 18386

Ion Ratio Lower Upper

82 100

128 39.2 32.6 48.8

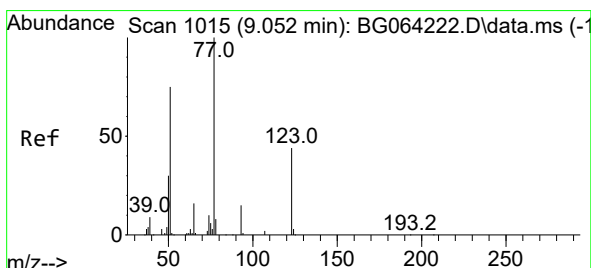
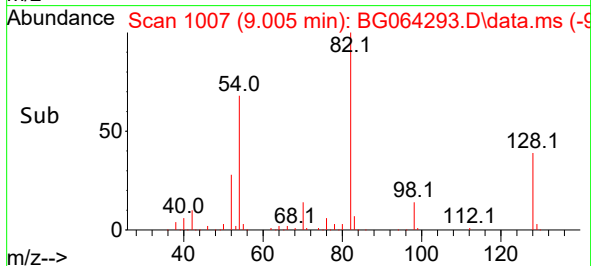
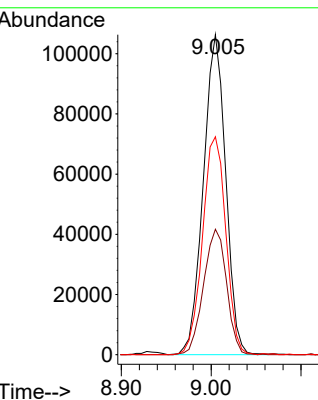
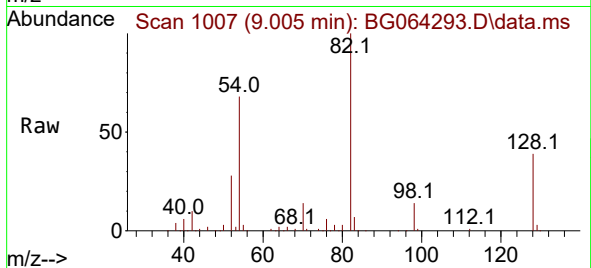
54 68.1 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#24

Nitrobenzene

Concen: 7.757 ng

RT: 9.046 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

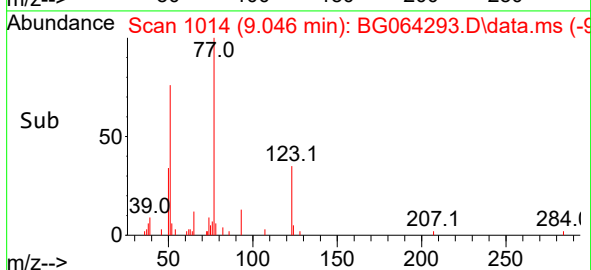
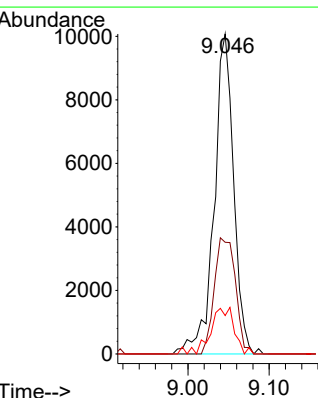
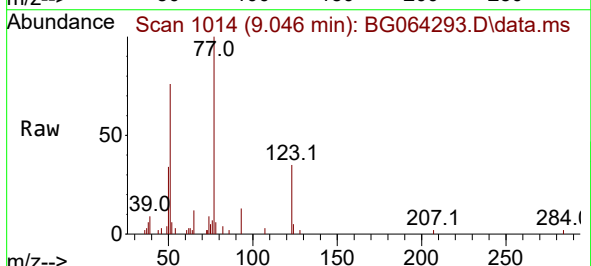
Tgt Ion: 77 Resp: 16772

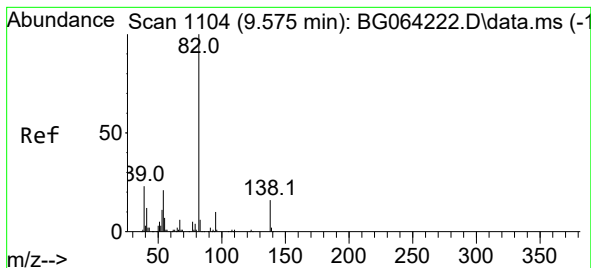
Ion Ratio Lower Upper

77 100

123 34.9 35.2 52.8#

65 12.0 12.6 19.0#





#25

Isophorone

Concen: 7.329 ng

RT: 9.569 min Scan# 1104

Delta R.T. -0.018 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

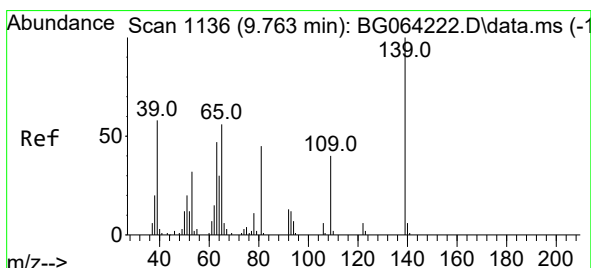
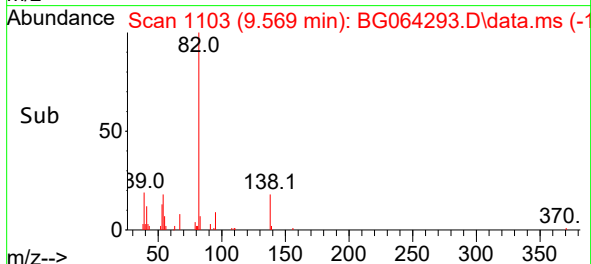
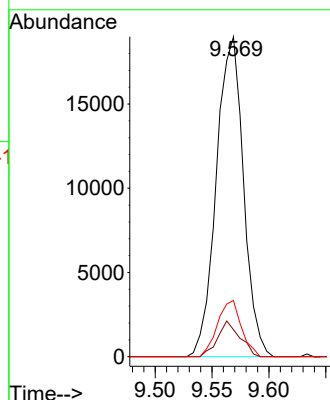
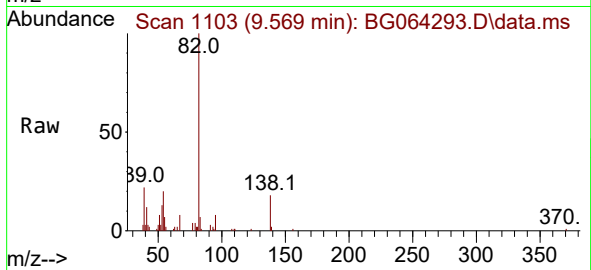
Tgt Ion: 82	Resp: 3152
Ion Ratio	Lower Upper
82 100	
95 8.4	7.9 11.9
138 17.6	13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#26

2-Nitrophenol

Concen: 7.724 ng

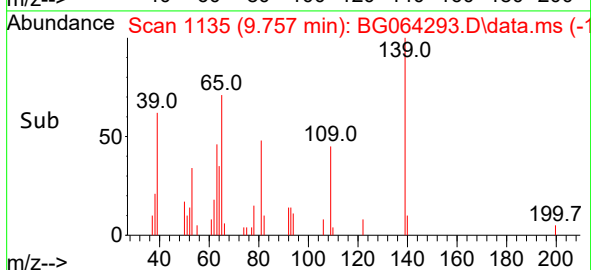
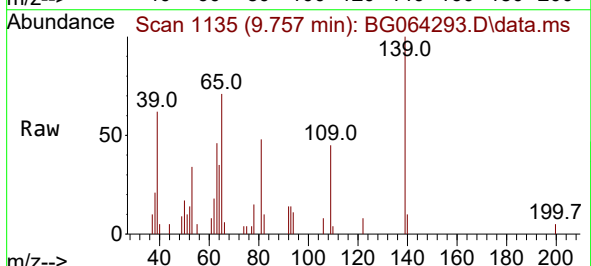
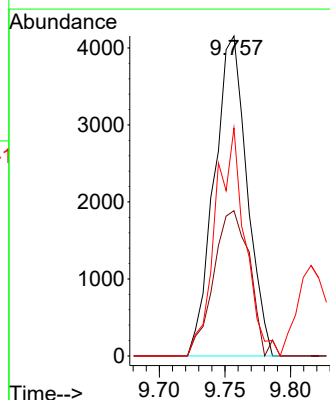
RT: 9.757 min Scan# 1135

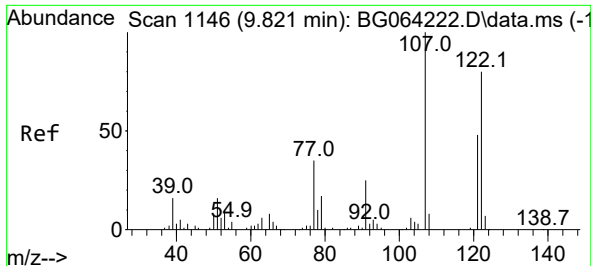
Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Tgt Ion:139	Resp: 7216
Ion Ratio	Lower Upper
139 100	
109 45.4	32.4 48.6
65 71.2	44.6 67.0





#27

2,4-Dimethylphenol

Concen: 8.061 ng

RT: 9.816 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

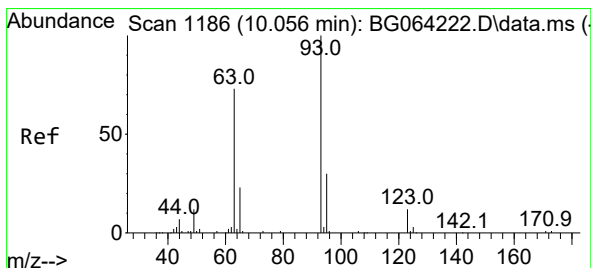
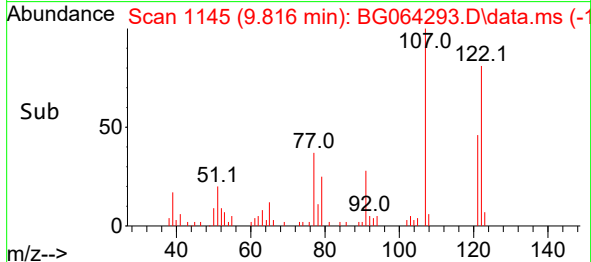
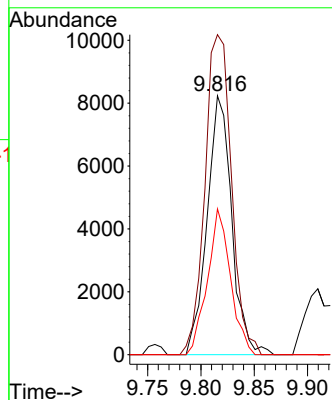
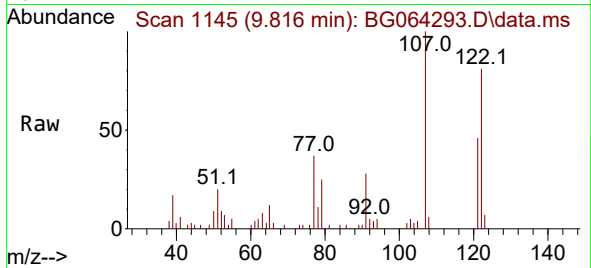
Tgt Ion:122	Resp:	1322
Ion Ratio	Lower	Upper
122	100	
107	123.6	99.9 149.9
121	56.3	48.6 72.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#28

bis(2-Chloroethoxy)methane

Concen: 6.922 ng

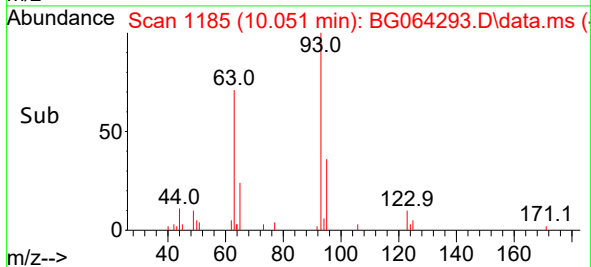
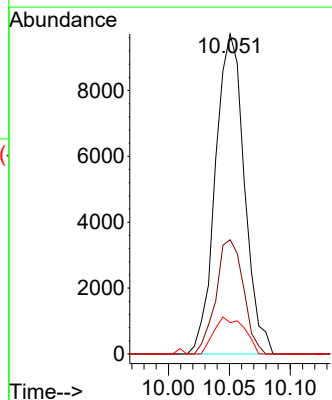
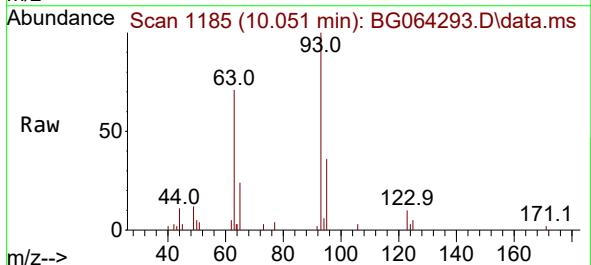
RT: 10.051 min Scan# 1185

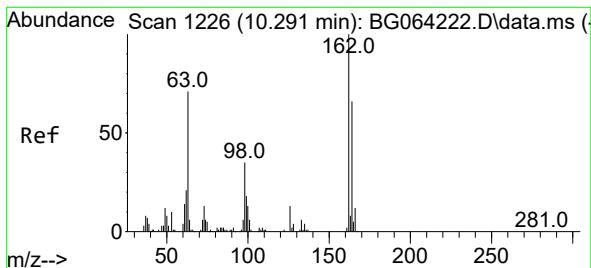
Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Tgt Ion: 93	Resp:	16054
Ion Ratio	Lower	Upper
93	100	
95	35.7	23.9 35.9
123	9.8	9.6 14.4





#29

2,4-Dichlorophenol

Concen: 7.297 ng

RT: 10.286 min Scan# 1225

Delta R.T. -0.012 min

Lab File: BG064293.D

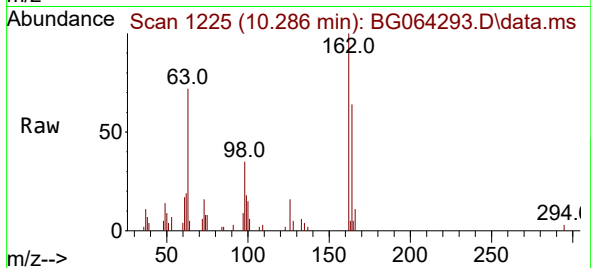
Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:162 Resp: 12629

Ion Ratio Lower Upper

162 100

164 64.4 45.8 85.8

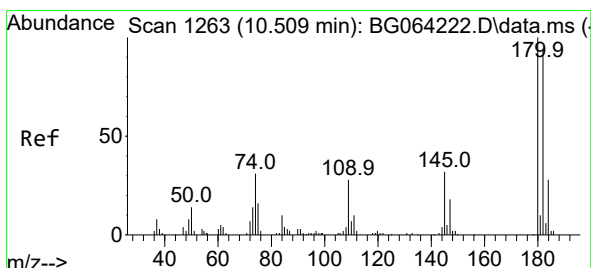
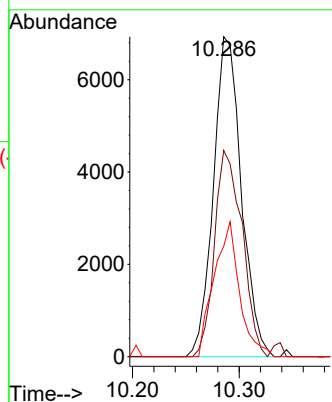
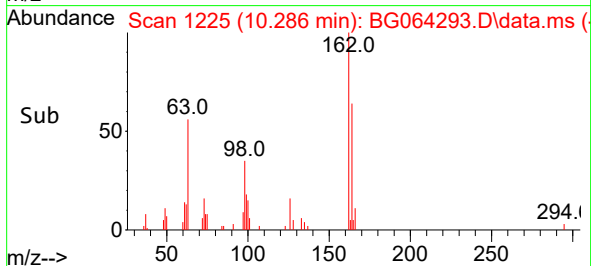
98 34.5 15.2 55.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#30

1,2,4-Trichlorobenzene

Concen: 8.230 ng

RT: 10.503 min Scan# 1262

Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

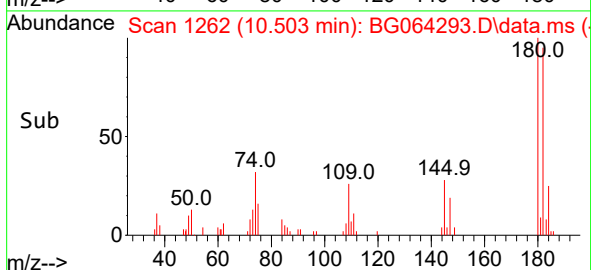
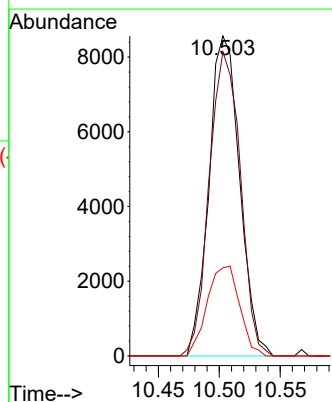
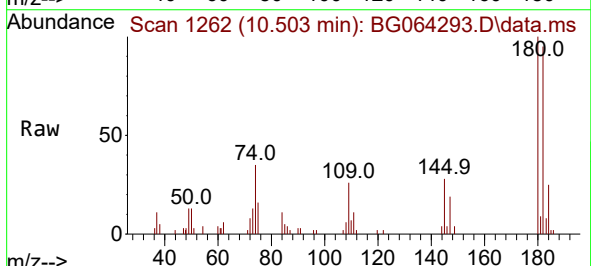
Tgt Ion:180 Resp: 15018

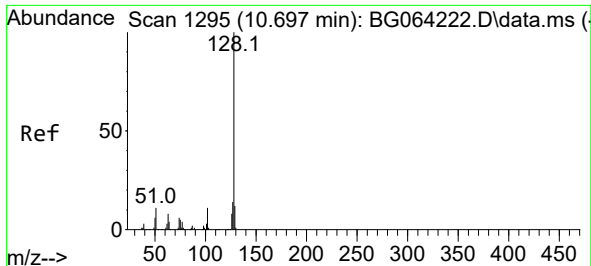
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

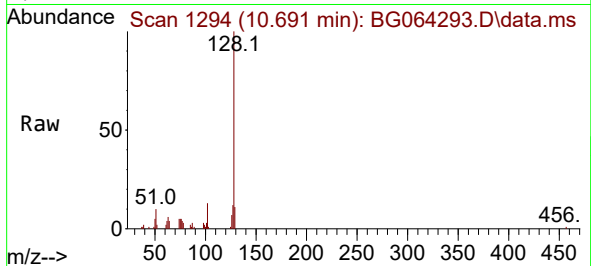
145 27.6 25.4 38.0





#31
Naphthalene
Concen: 7.547 ng
RT: 10.691 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

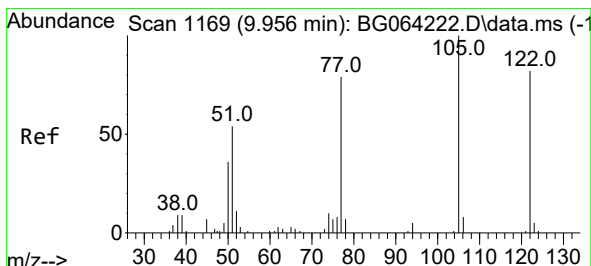
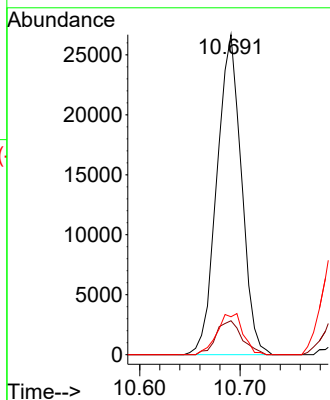
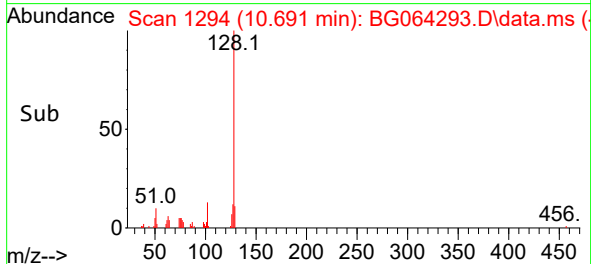
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:128 Resp: 45169
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.2
127 11.9 10.9 16.3

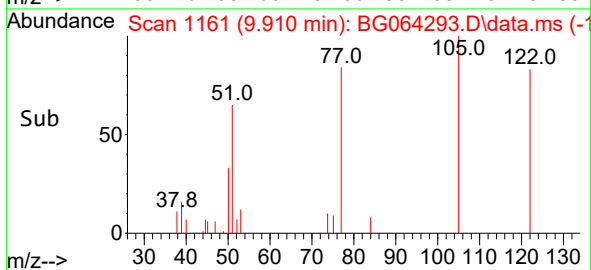
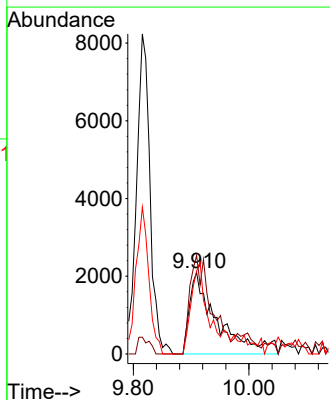
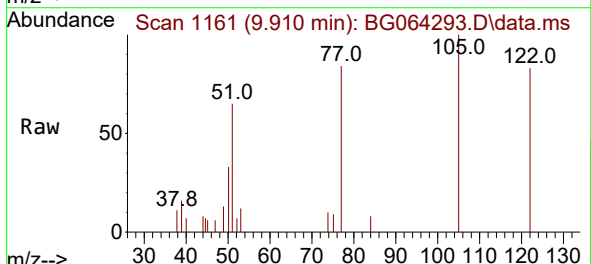
Manual Integrations
APPROVED

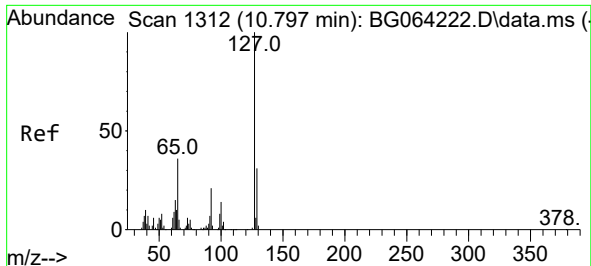
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#32
Benzoic acid
Concen: 5.379 ng m
RT: 9.910 min Scan# 1161
Delta R.T. -0.106 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

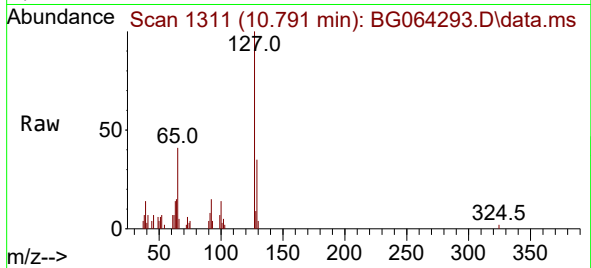
Tgt Ion:122 Resp: 7004
Ion Ratio Lower Upper
122 100
105 121.0 98.5 138.5
77 101.9 74.6 114.6





#33
4-Chloroaniline
Concen: 7.903 ng
RT: 10.791 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

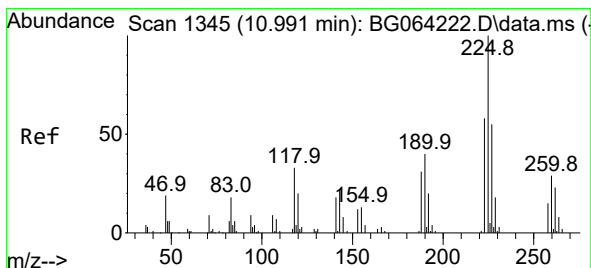
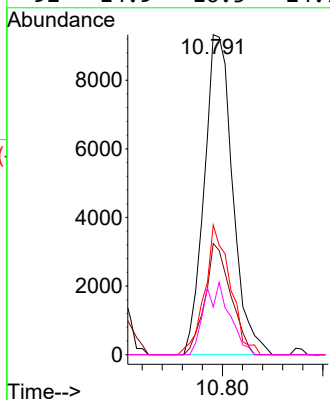
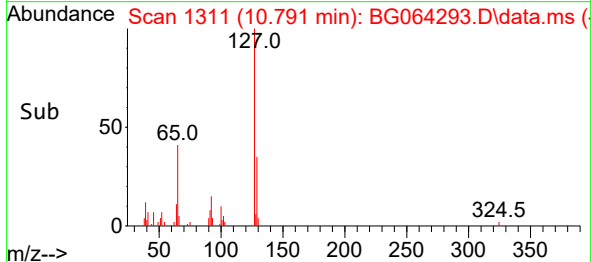
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:127 Resp: 1833
Ion Ratio Lower Upper
127 100
129 34.8 25.0 37.4
65 40.5 28.7 43.1
92 14.9 16.5 24.7#

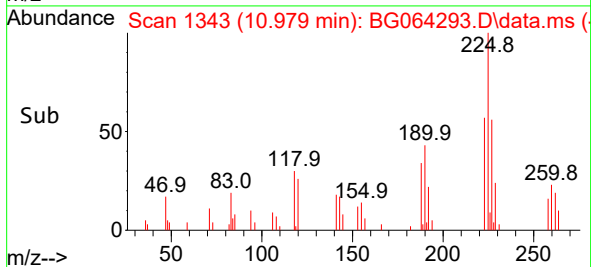
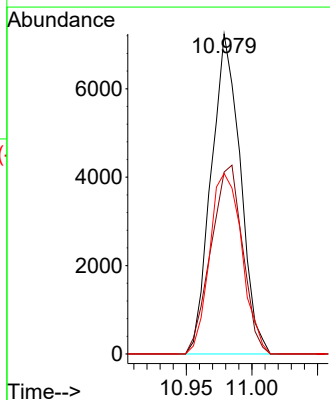
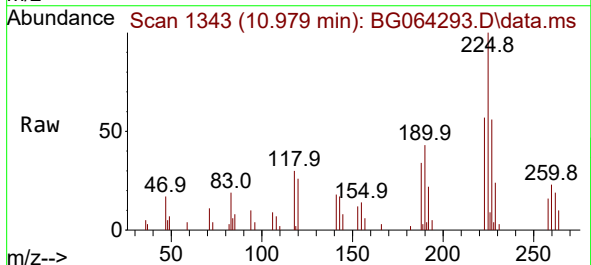
Manual Integrations
APPROVED

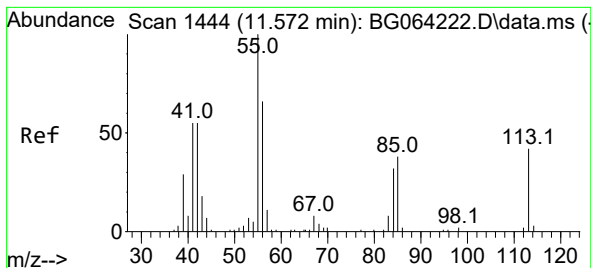
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#34
Hexachlorobutadiene
Concen: 8.279 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:225 Resp: 11168
Ion Ratio Lower Upper
225 100
223 56.8 46.5 69.7
227 56.4 44.1 66.1





#35

Caprolactam

Concen: 7.201 ng

RT: 11.543 min Scan# 1444

Delta R.T. -0.059 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

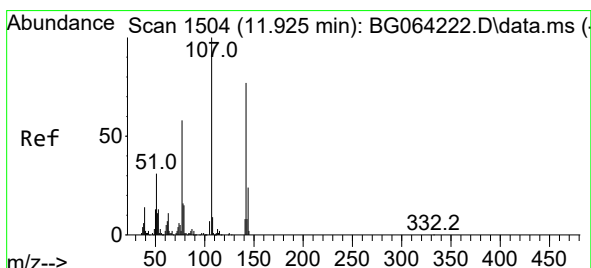
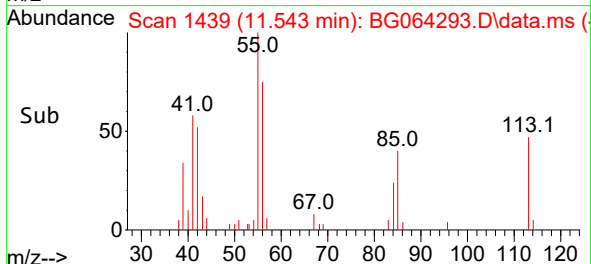
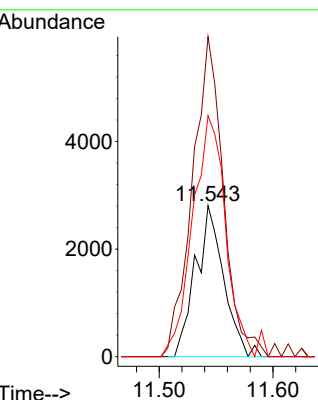
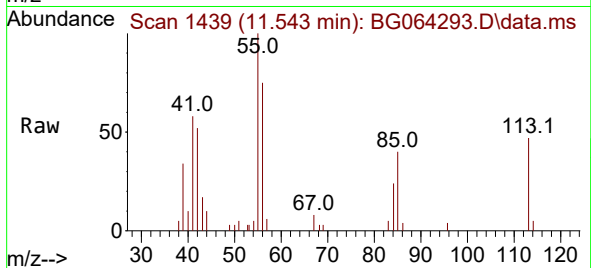
Tgt Ion:113 Resp: 4820
 Ion Ratio Lower Upper
 113 100
 55 211.9 218.5 258.5
 56 159.5 138.5 178.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#36

4-Chloro-3-methylphenol

Concen: 7.501 ng

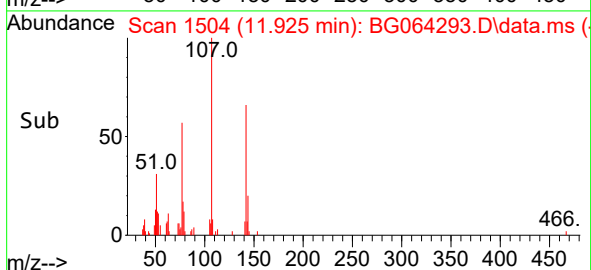
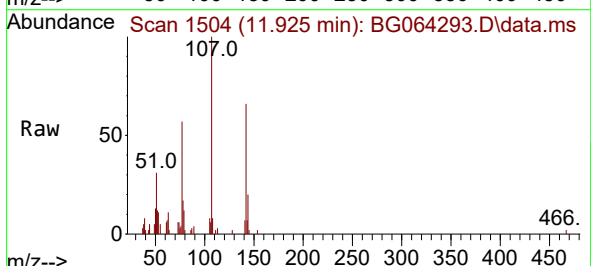
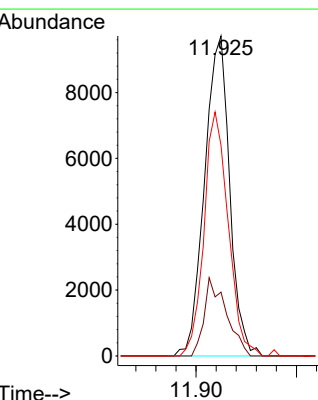
RT: 11.925 min Scan# 1504

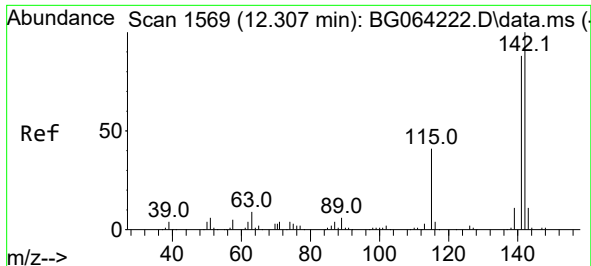
Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

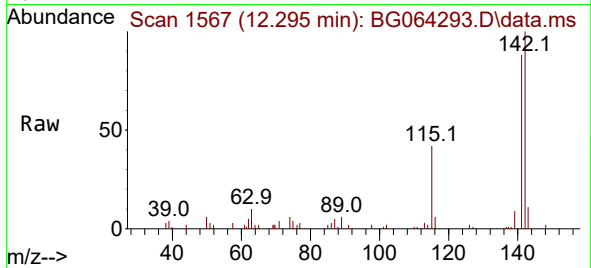
Tgt Ion:107 Resp: 16844
 Ion Ratio Lower Upper
 107 100
 144 20.0 19.5 29.3
 142 65.9 62.0 93.0





#37
2-Methylnaphthalene
Concen: 6.877 ng
RT: 12.295 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

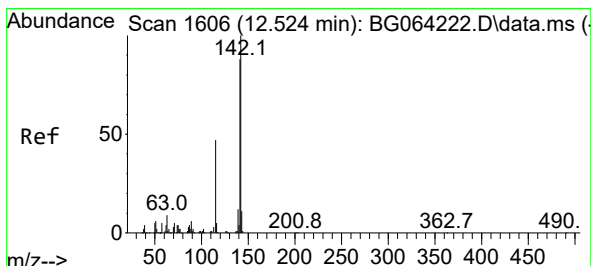
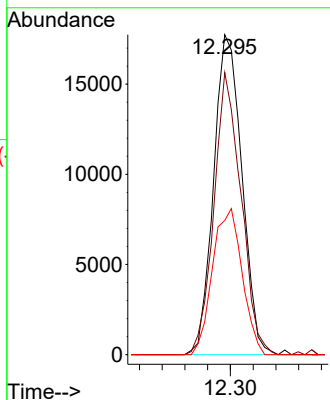
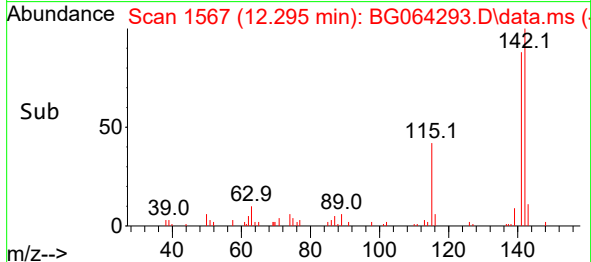
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:142 Resp: 30594
Ion Ratio Lower Upper
142 100
141 88.1 70.1 105.1
115 42.0 33.1 49.7

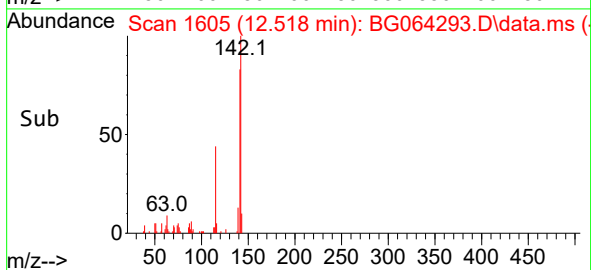
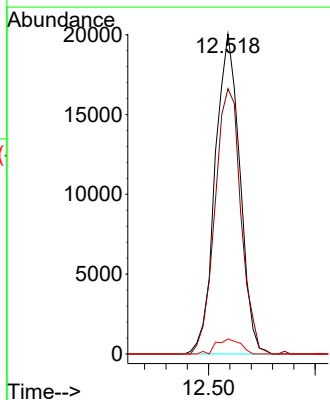
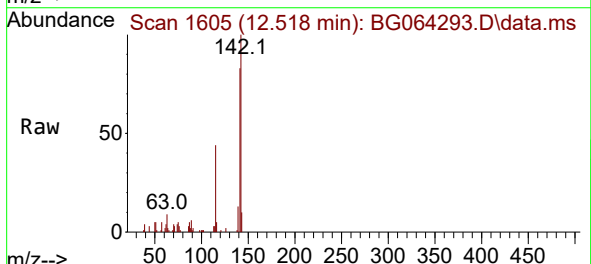
Manual Integrations
APPROVED

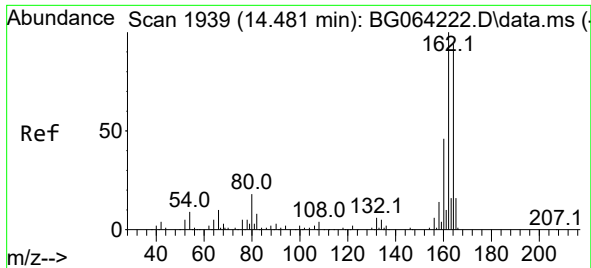
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#38
1-Methylnaphthalene
Concen: 7.329 ng
RT: 12.518 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

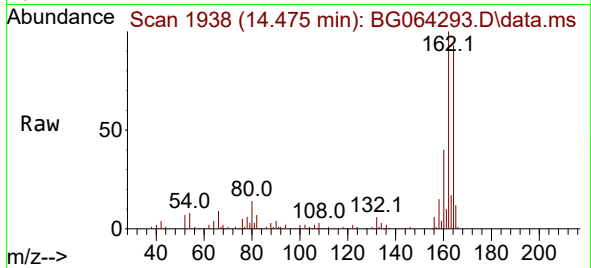
Tgt Ion:142 Resp: 32205
Ion Ratio Lower Upper
142 100
141 82.9 70.3 105.5
116 4.7 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

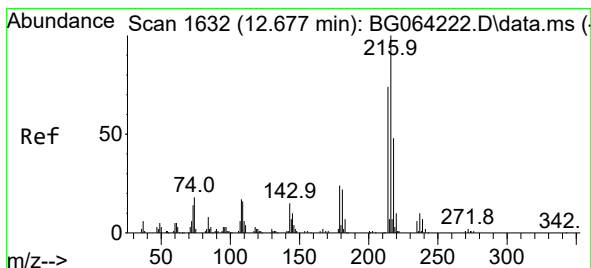
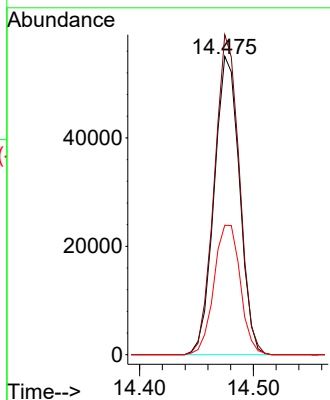
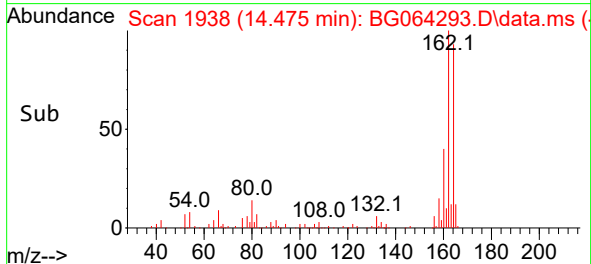
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



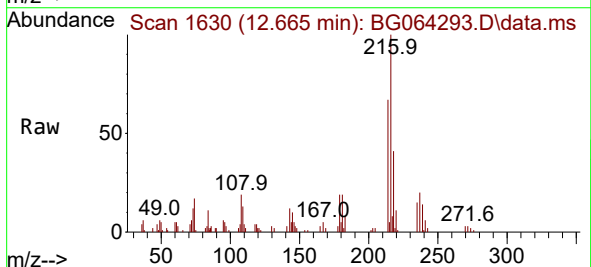
Tgt Ion:164 Resp: 8514
Ion Ratio Lower Upper
164 100
162 107.2 85.4 128.0
160 43.4 39.2 58.8

Manual Integrations
APPROVED

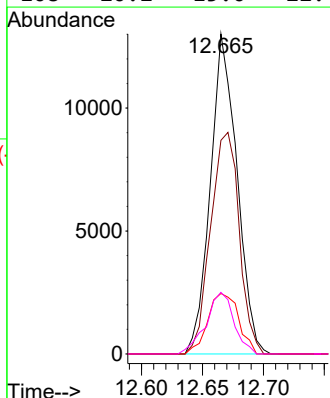
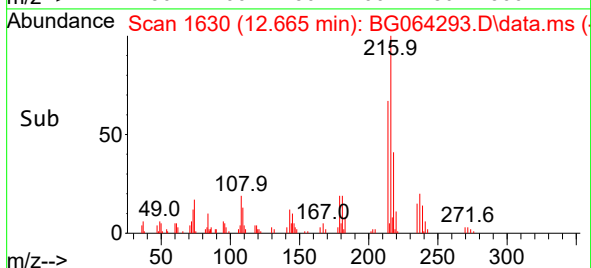
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

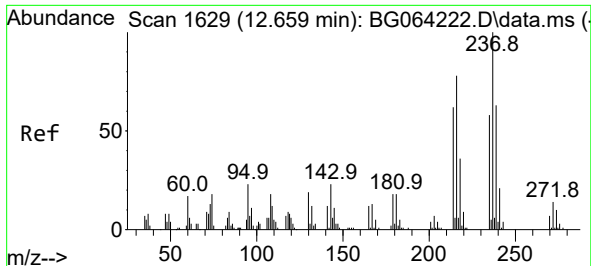


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.065 ng
RT: 12.665 min Scan# 1630
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



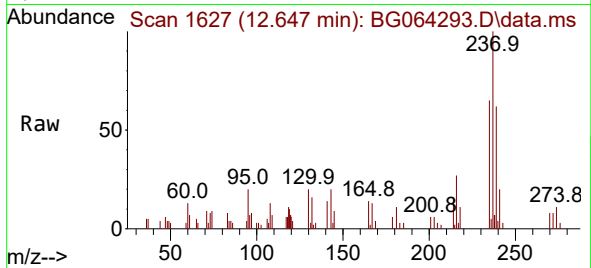
Tgt Ion:216 Resp: 19812
Ion Ratio Lower Upper
216 100
214 74.3 61.9 92.9
179 21.8 17.9 26.9
108 20.2 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 9.140 ng
RT: 12.647 min Scan# 1627
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

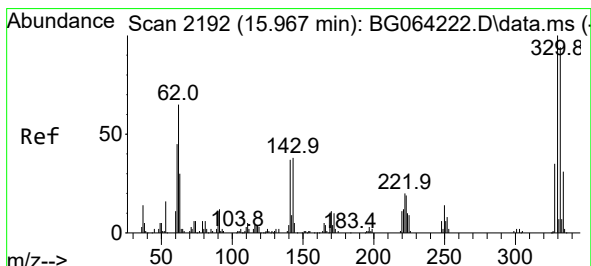
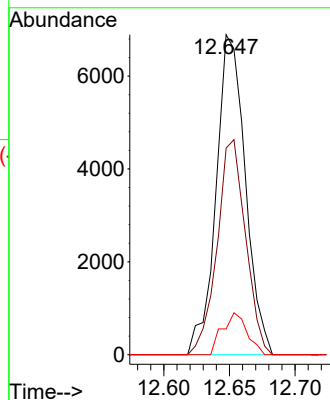
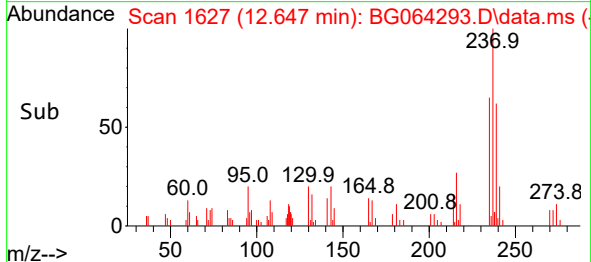
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:237 Resp: 1067
Ion Ratio Lower Upper
237 100
235 64.6 37.9 77.9
272 8.1 0.0 33.8

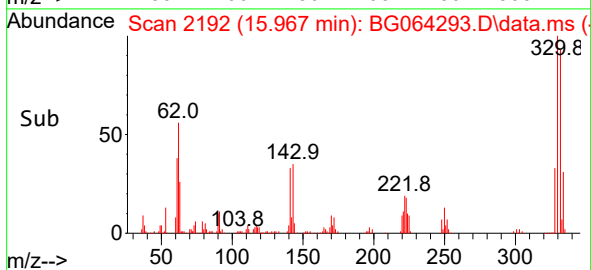
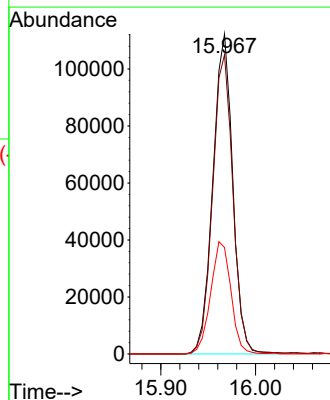
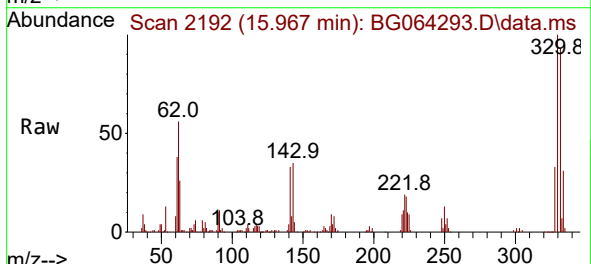
Manual Integrations
APPROVED

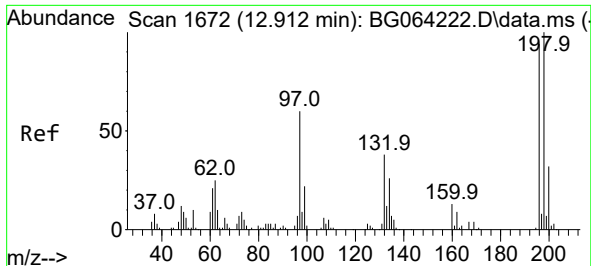
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#42
2,4,6-Tribromophenol
Concen: 144.808 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

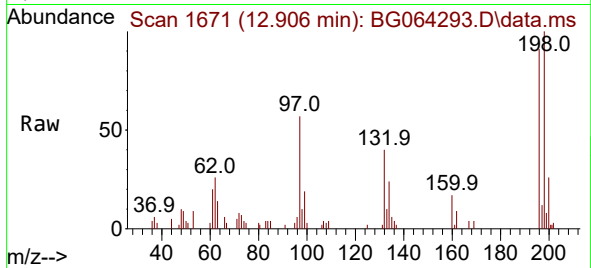
Tgt Ion:330 Resp: 163308
Ion Ratio Lower Upper
330 100
332 95.5 77.6 116.4
141 35.9 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 7.711 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

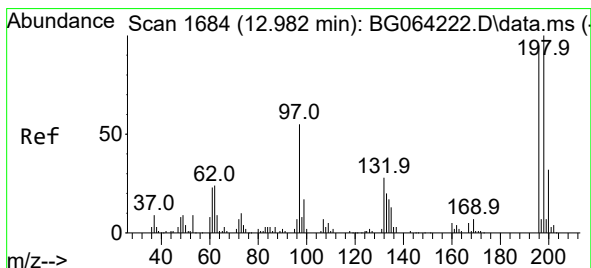
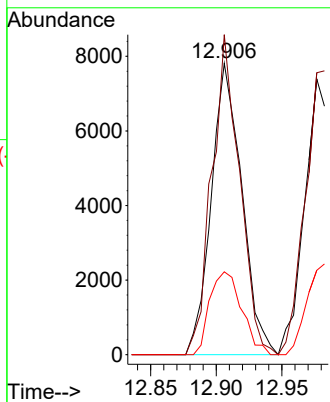
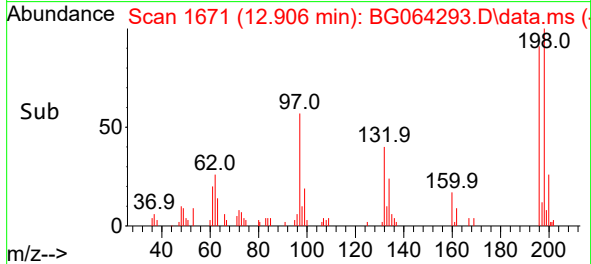
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



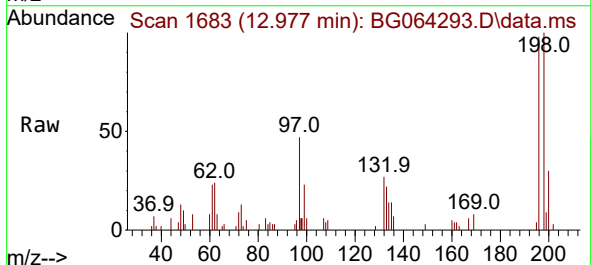
Tgt Ion:196 Resp: 1266
Ion Ratio Lower Upper
196 100
198 109.8 85.4 128.2
200 31.1 27.3 40.9

Manual Integrations
APPROVED

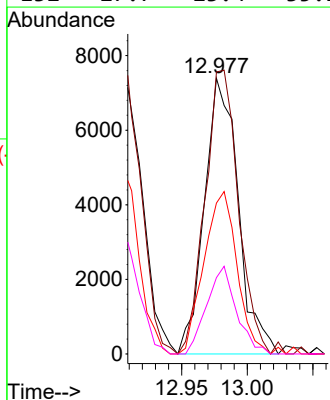
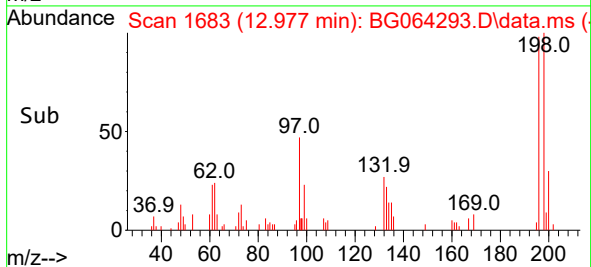
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

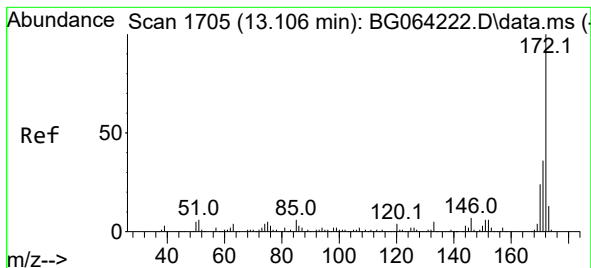


#44
2,4,5-Trichlorophenol
Concen: 7.434 ng
RT: 12.977 min Scan# 1683
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



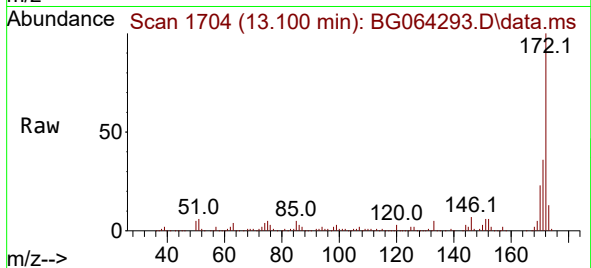
Tgt Ion:196 Resp: 13242
Ion Ratio Lower Upper
196 100
198 102.3 84.5 126.7
97 54.8 46.8 70.2
132 27.7 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 86.635 ng
RT: 13.100 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

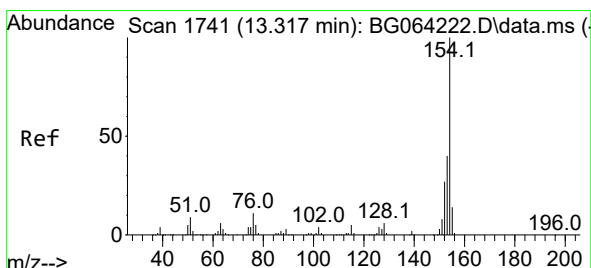
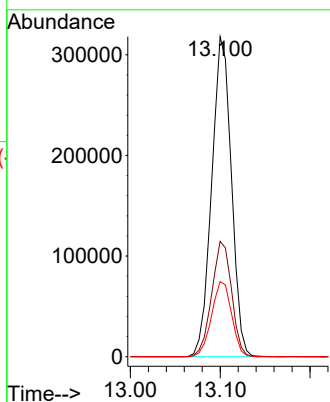
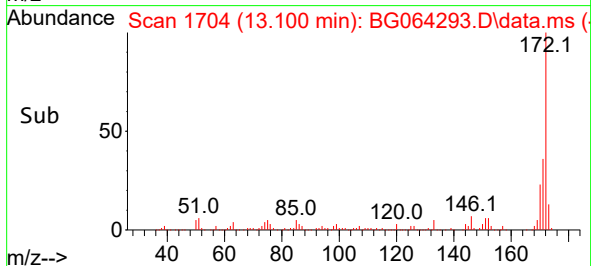
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



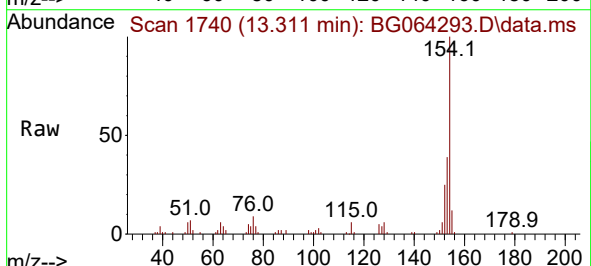
Tgt Ion:172 Resp: 483260
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.5 19.0 28.6

Manual Integrations
APPROVED

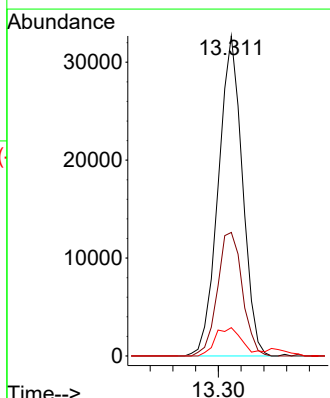
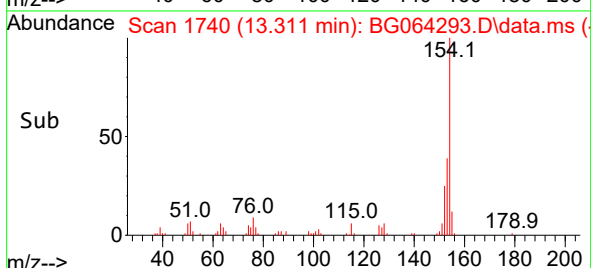
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

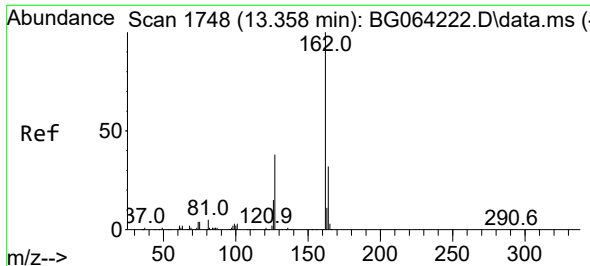


#46
1,1'-Biphenyl
Concen: 7.753 ng
RT: 13.311 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



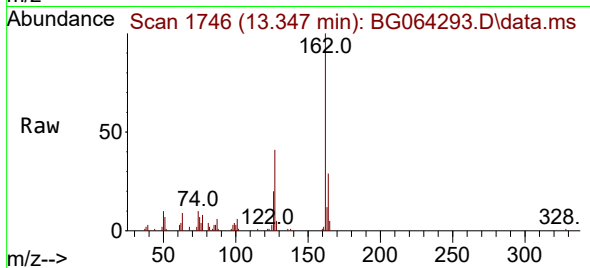
Tgt Ion:154 Resp: 48078
Ion Ratio Lower Upper
154 100
153 38.6 19.9 59.9
76 8.8 0.0 30.9





#47
2-Chloronaphthalene
Concen: 7.248 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

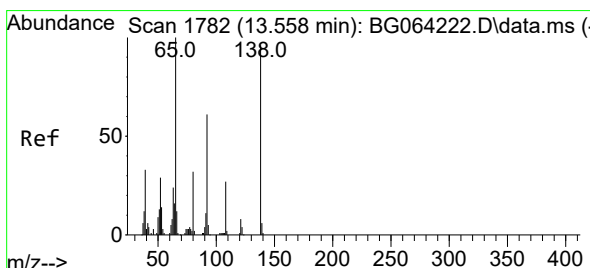
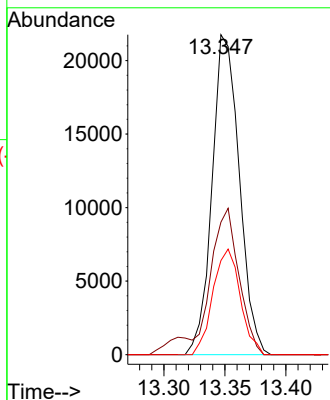
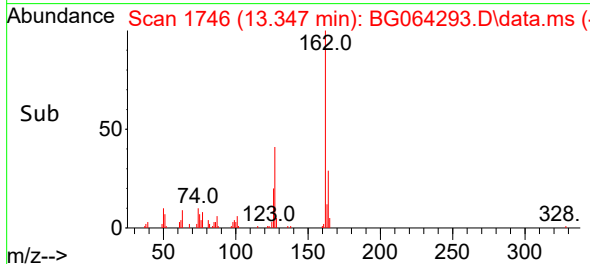
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:162 Resp: 3379
Ion Ratio Lower Upper
162 100
127 41.4 33.9 50.9
164 29.4 25.4 38.2

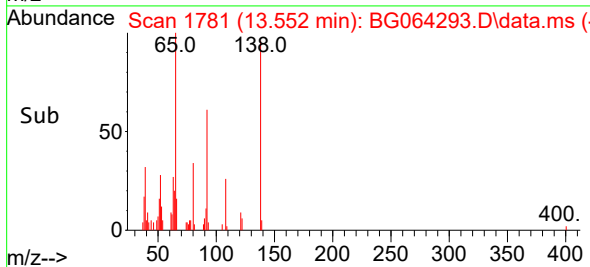
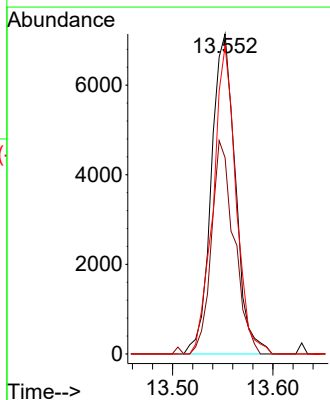
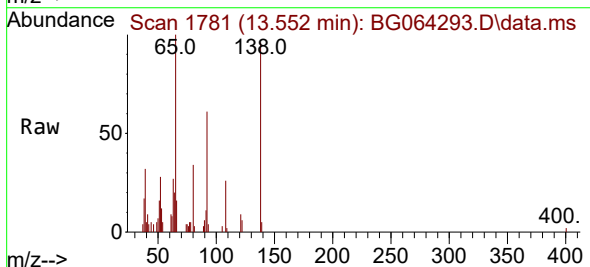
Manual Integrations
APPROVED

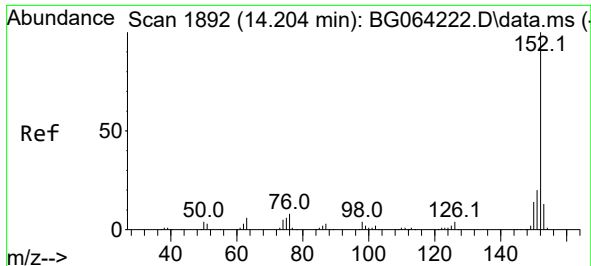
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#48
2-Nitroaniline
Concen: 7.511 ng
RT: 13.552 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

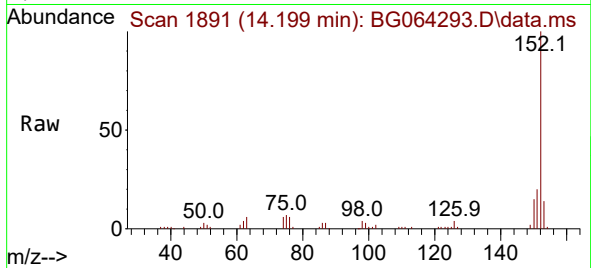
Tgt Ion: 65 Resp: 11935
Ion Ratio Lower Upper
65 100
92 61.4 49.2 73.8
138 96.2 76.8 115.2





#49
Acenaphthylene
Concen: 8.518 ng
RT: 14.199 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

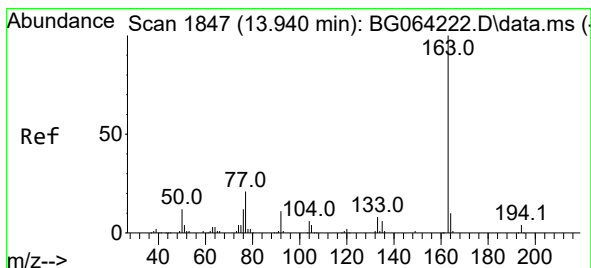
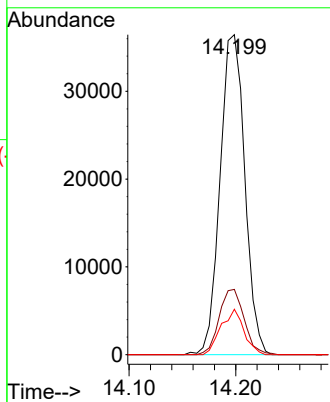
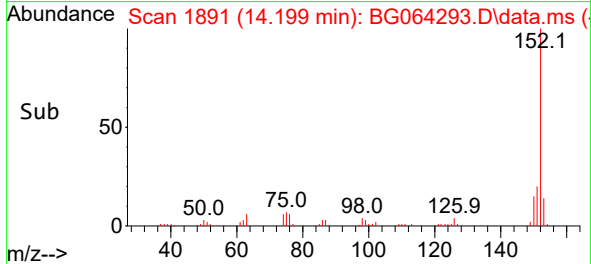
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



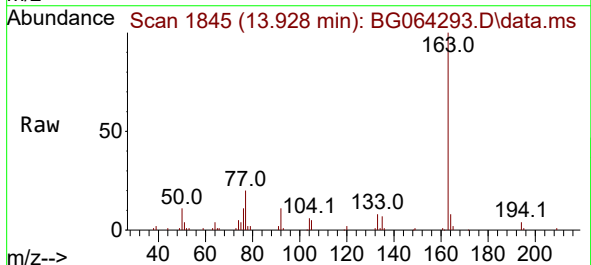
Tgt Ion:152 Resp: 5870
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 14.2 10.1 15.1

Manual Integrations
APPROVED

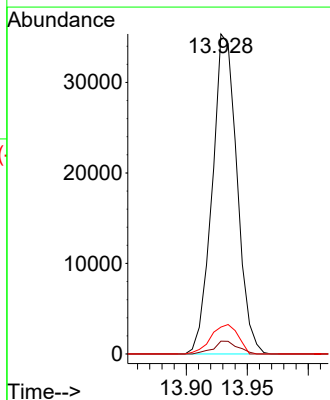
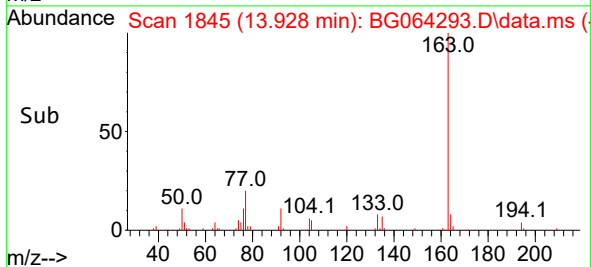
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

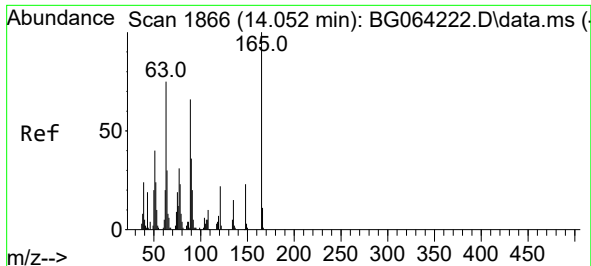


#50
Dimethylphthalate
Concen: 7.735 ng
RT: 13.928 min Scan# 1845
Delta R.T. -0.018 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



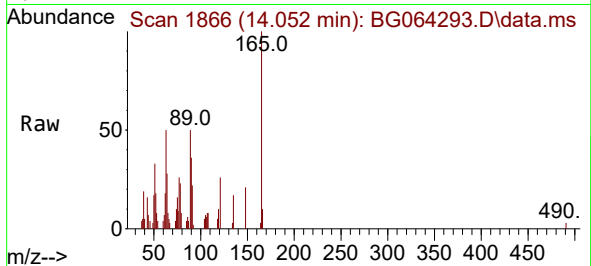
Tgt Ion:163 Resp: 49852
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 8.4 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 8.002 ng
RT: 14.052 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

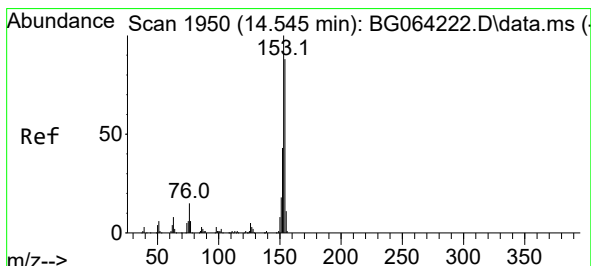
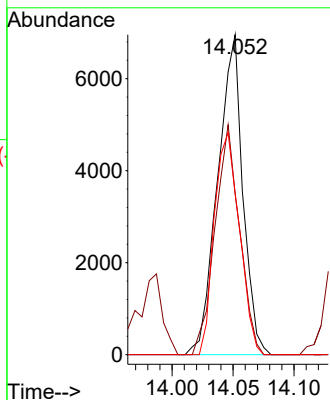
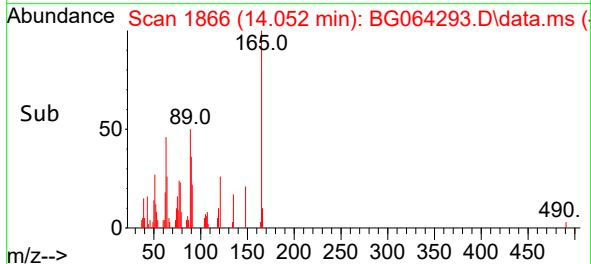
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 998
Ion Ratio Lower Upper
165 100
63 50.4 60.3 90.5
89 50.1 52.9 79.3

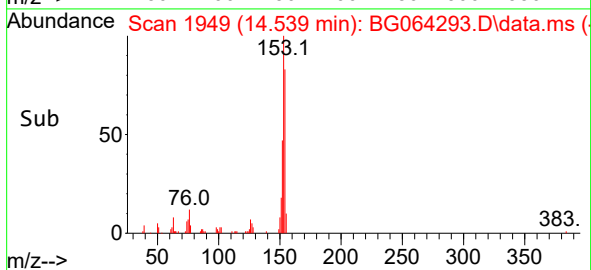
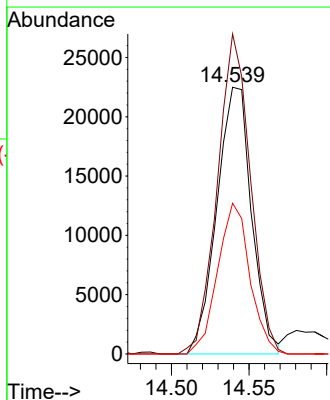
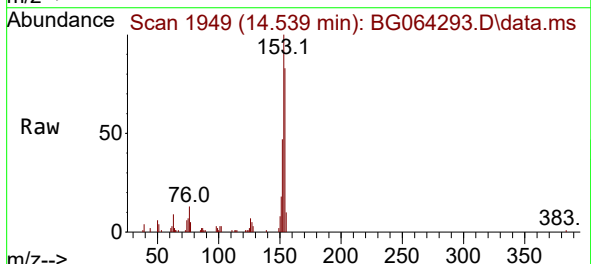
Manual Integrations
APPROVED

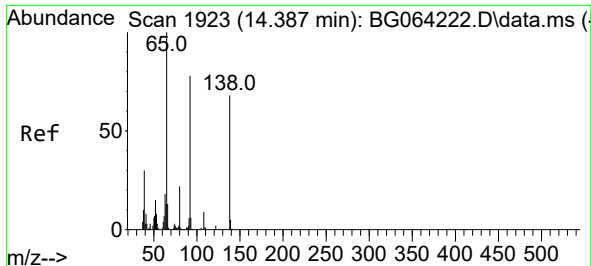
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#52
Acenaphthene
Concen: 7.206 ng
RT: 14.539 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

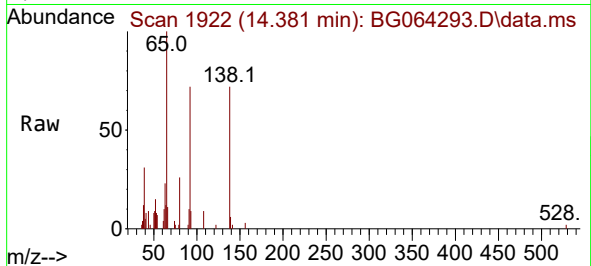
Tgt Ion:154 Resp: 35048
Ion Ratio Lower Upper
154 100
153 120.0 91.1 136.7
152 56.5 39.6 59.4





#53
3-Nitroaniline
Concen: 7.829 ng
RT: 14.381 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

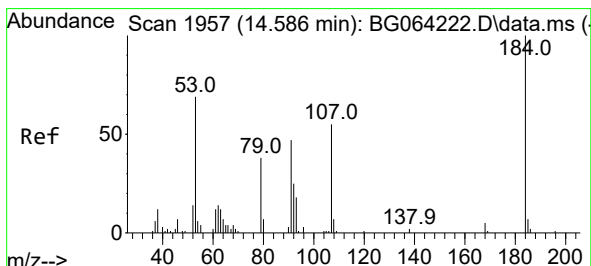
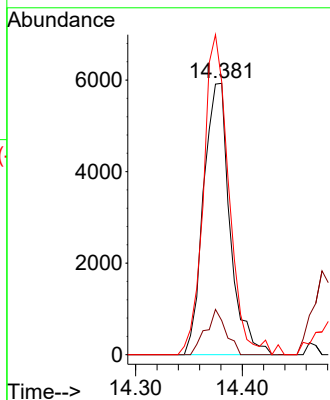
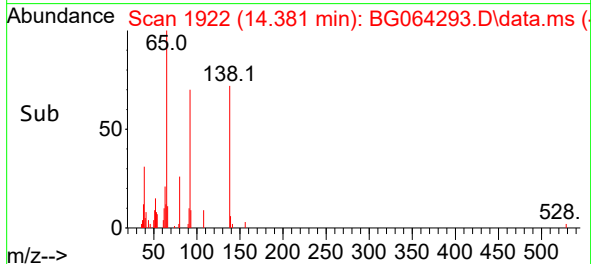
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:138 Resp: 1023
Ion Ratio Lower Upper
138 100
108 12.5 11.0 16.6
92 100.5 91.4 137.0

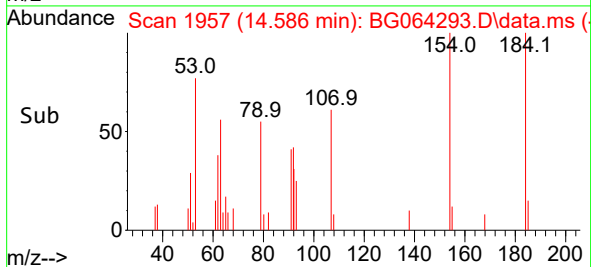
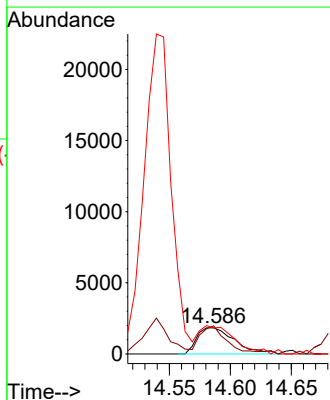
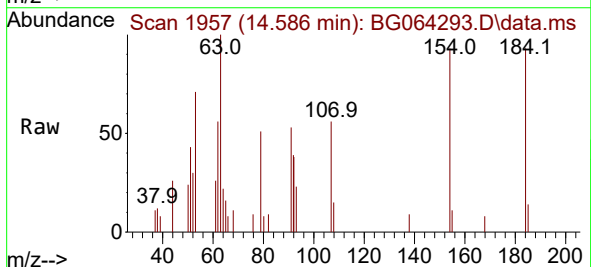
Manual Integrations
APPROVED

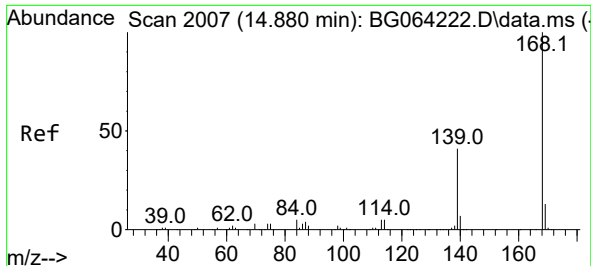
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#54
2,4-Dinitrophenol
Concen: 10.154 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

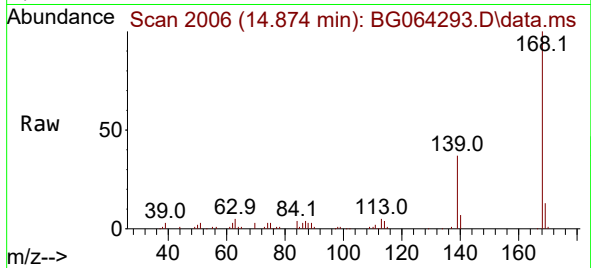
Tgt Ion:184 Resp: 3949
Ion Ratio Lower Upper
184 100
63 107.8 60.1 90.1#
154 99.9 59.8 89.8#





#55
Dibenzenofuran
Concen: 7.911 ng
RT: 14.874 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

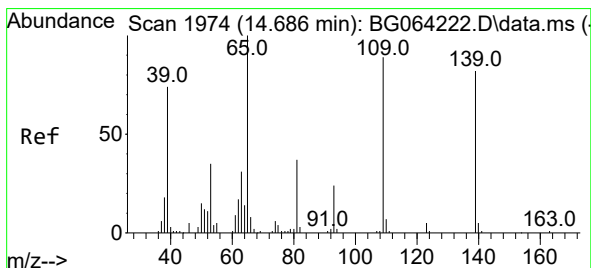
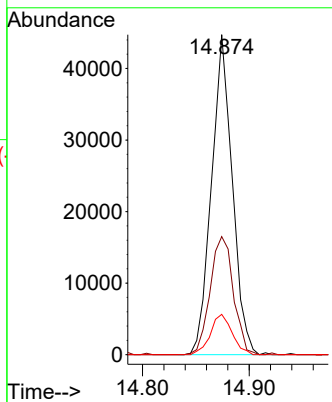
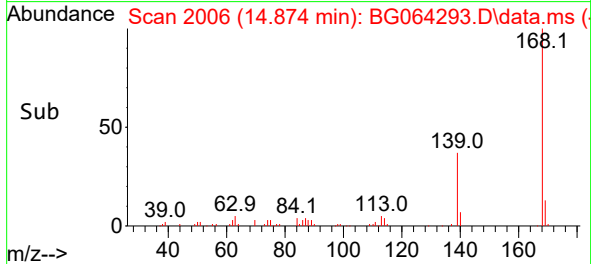
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:168 Resp: 60510
Ion Ratio Lower Upper
168 100
139 36.9 33.2 49.8
169 12.6 10.4 15.6

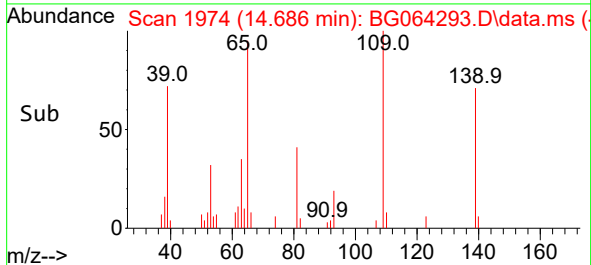
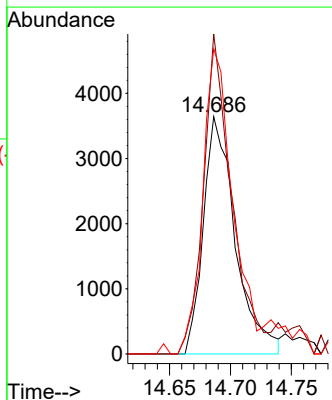
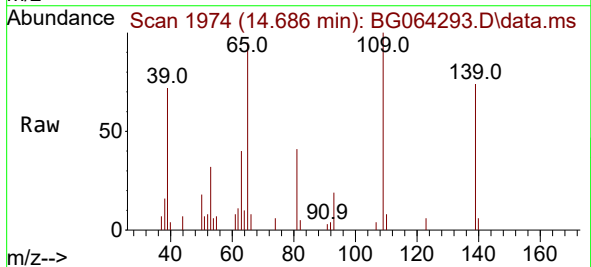
Manual Integrations
APPROVED

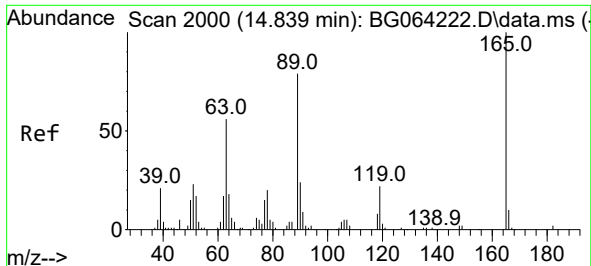
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#56
4-Nitrophenol
Concen: 6.198 ng
RT: 14.686 min Scan# 1974
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

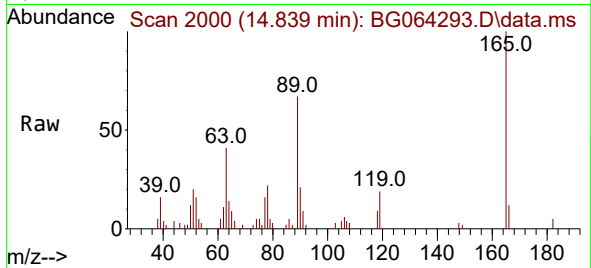
Tgt Ion:139 Resp: 6644
Ion Ratio Lower Upper
139 100
109 134.8 89.1 129.1#
65 128.5 102.9 142.9





#57
2,4-Dinitrotoluene
Concen: 7.667 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

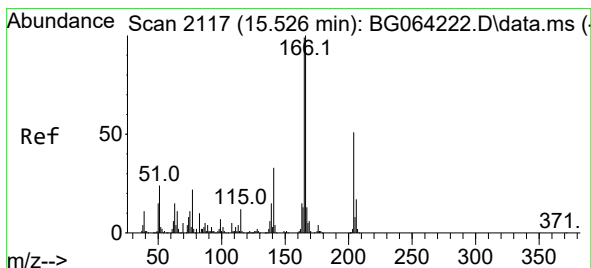
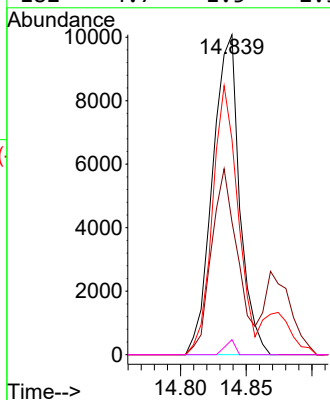
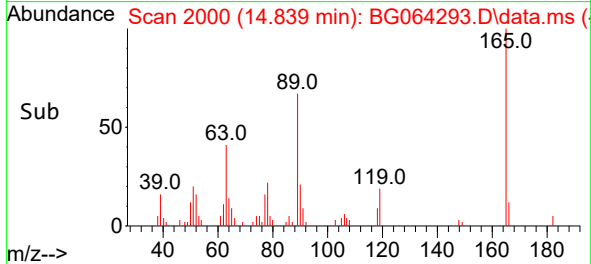
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 14464
Ion Ratio Lower Upper
165 100
63 41.5 44.6 67.0
89 67.3 63.0 94.4
182 4.7 1.5 2.3#

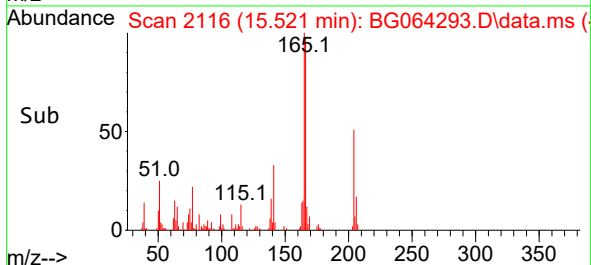
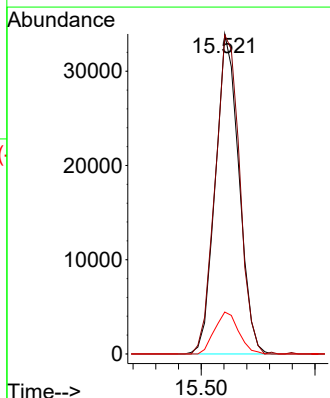
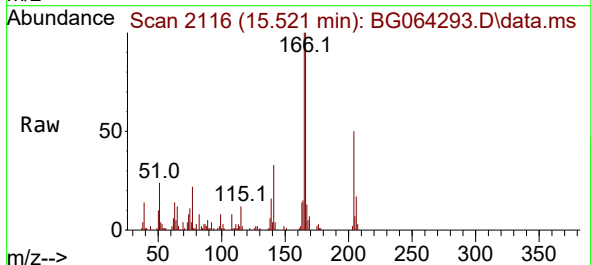
Manual Integrations
APPROVED

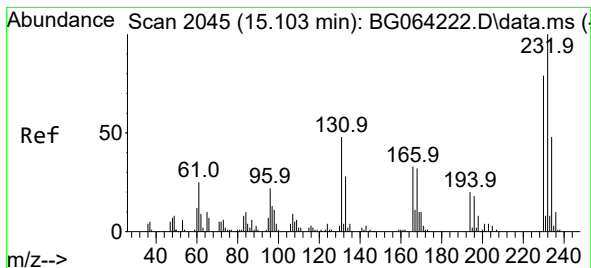
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#58
Fluorene
Concen: 7.800 ng
RT: 15.521 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

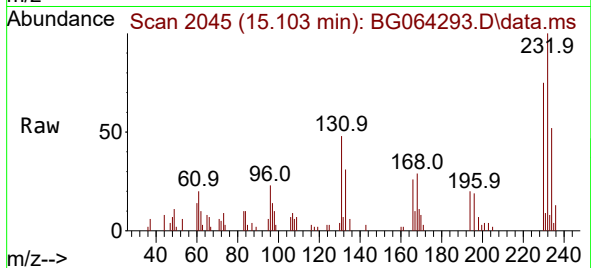
Tgt Ion:166 Resp: 48905
Ion Ratio Lower Upper
166 100
165 99.7 79.1 118.7
167 13.1 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.939 ng m
RT: 15.103 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

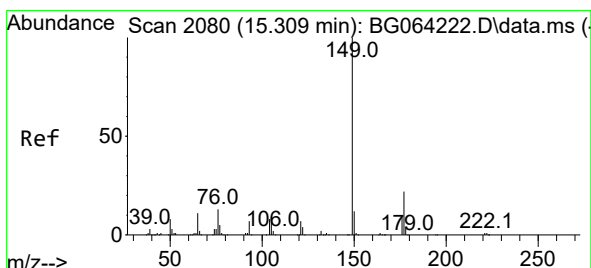
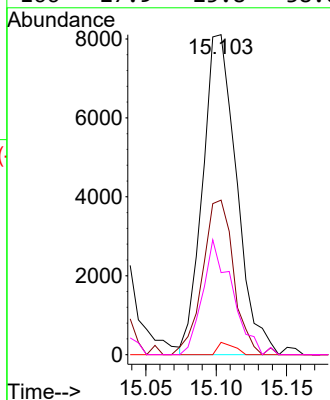
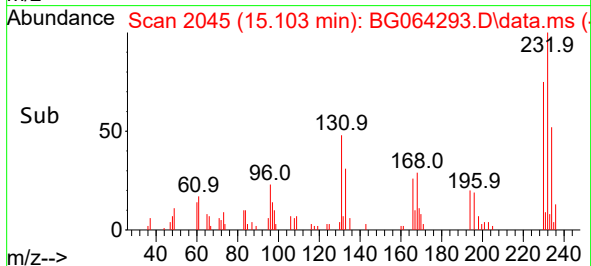
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:232 Resp: 1360
Ion Ratio Lower Upper
232 100
131 41.9 37.1 55.7
130 3.5 2.6 3.8
166 27.9 25.8 38.6

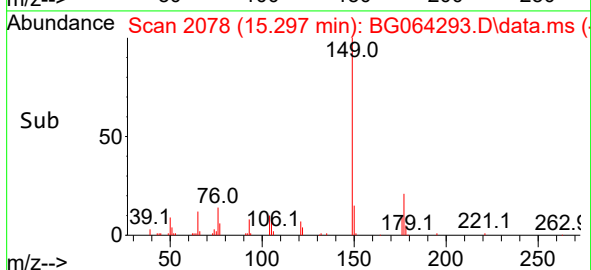
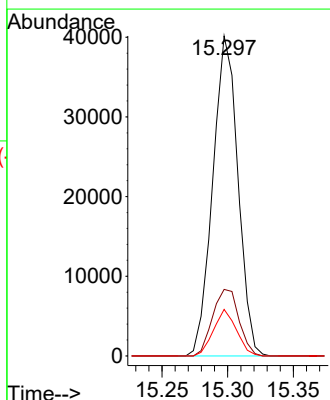
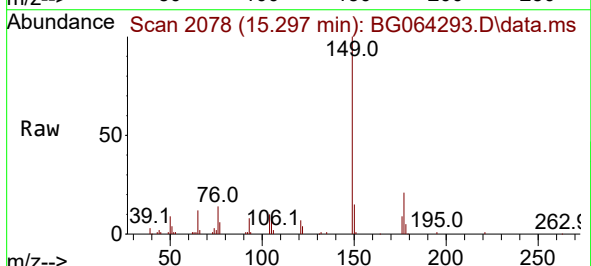
Manual Integrations
APPROVED

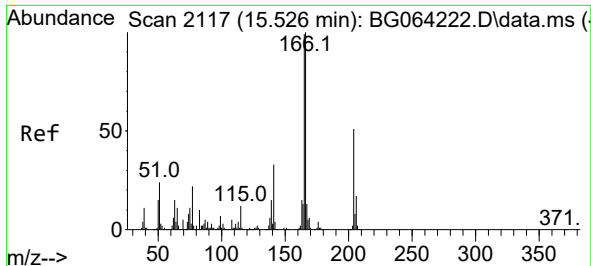
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#60
Diethylphthalate
Concen: 7.769 ng
RT: 15.297 min Scan# 2078
Delta R.T. -0.018 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

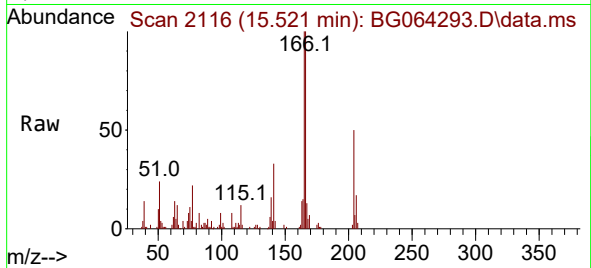
Tgt Ion:149 Resp: 53583
Ion Ratio Lower Upper
149 100
177 20.8 17.5 26.3
150 14.5 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.757 ng
RT: 15.521 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

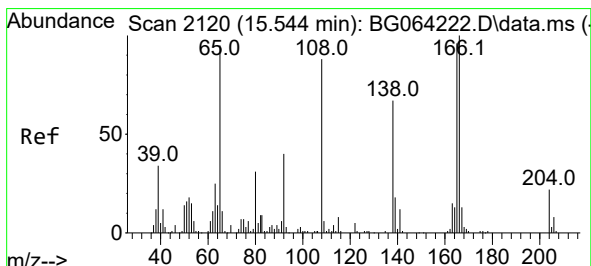
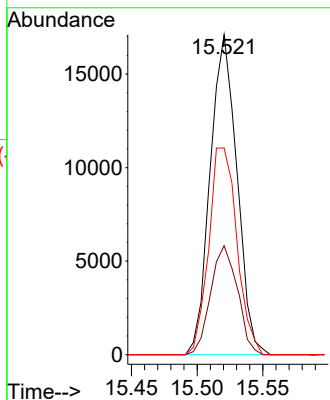
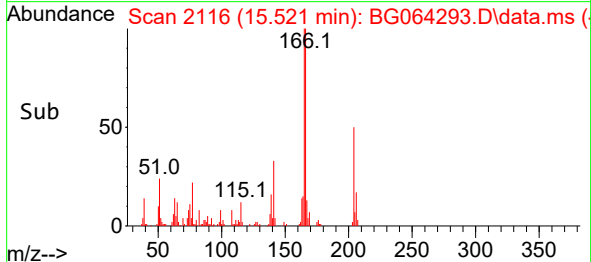
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



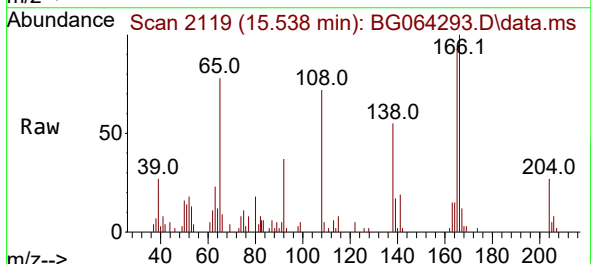
Tgt Ion:204 Resp: 2425
Ion Ratio Lower Upper
204 100
206 34.0 26.2 39.4
141 64.6 51.9 77.9

Manual Integrations
APPROVED

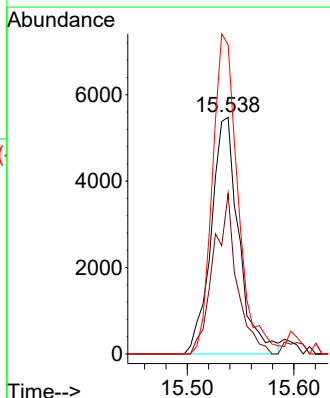
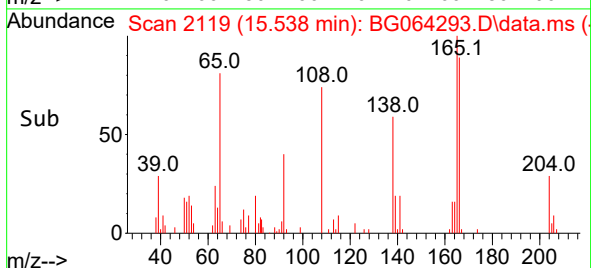
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

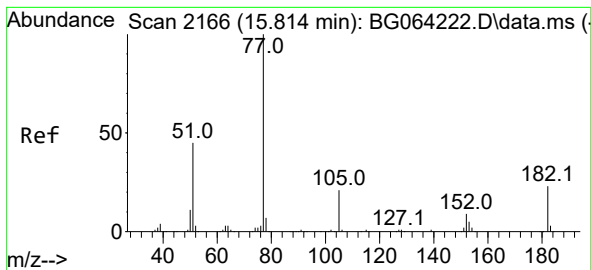


#62
4-Nitroaniline
Concen: 7.416 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



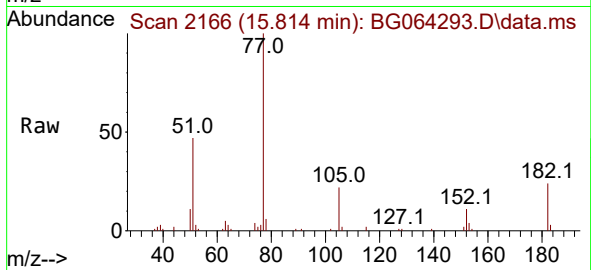
Tgt Ion:138 Resp: 9890
Ion Ratio Lower Upper
138 100
92 67.8 39.1 79.1
108 130.7 111.3 151.3





#63
Azobenzene
Concen: 7.619 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

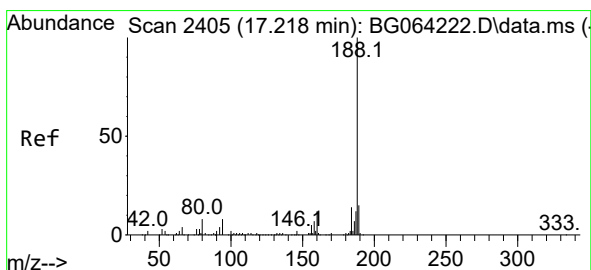
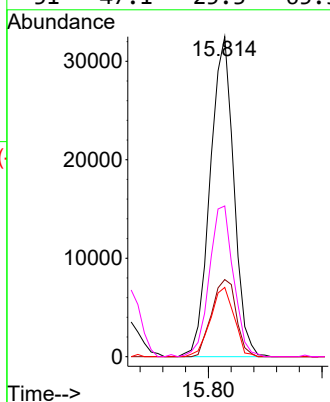
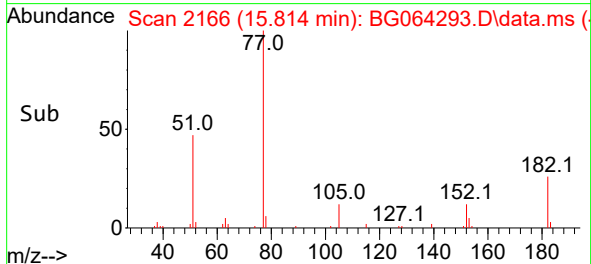
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



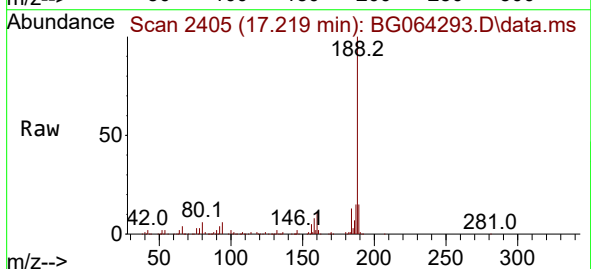
Tgt Ion: 77 Resp: 46839
Ion Ratio Lower Upper
77 100
182 24.1 3.3 43.3
105 21.6 0.6 40.6
51 47.1 25.3 65.3

Manual Integrations
APPROVED

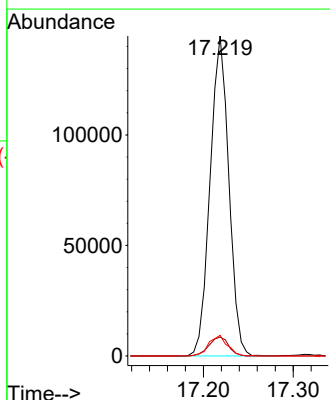
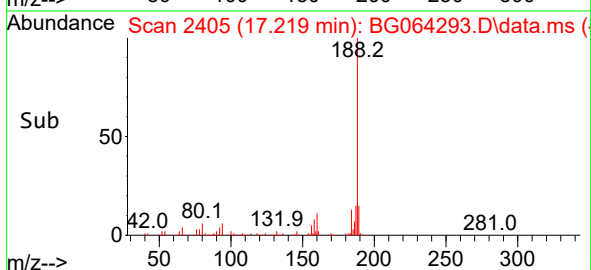
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

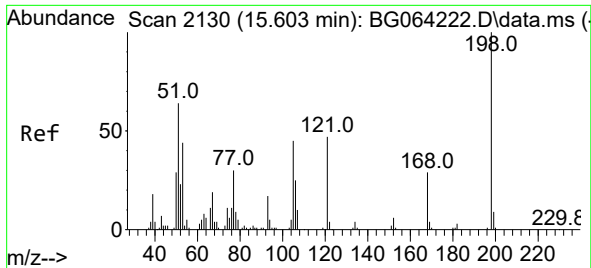


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



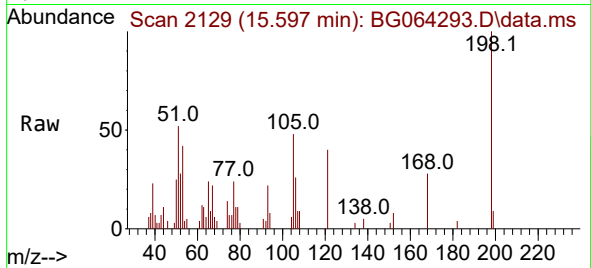
Tgt Ion:188 Resp: 209502
Ion Ratio Lower Upper
188 100
94 5.9 6.2 9.4#
80 6.4 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 7.221 ng
RT: 15.597 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

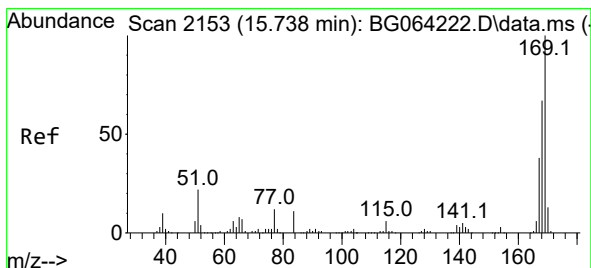
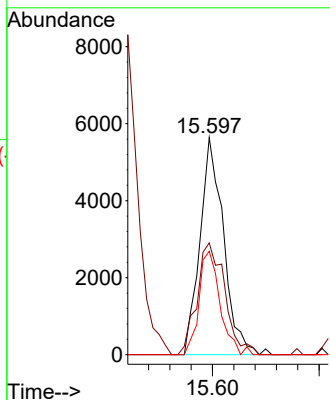
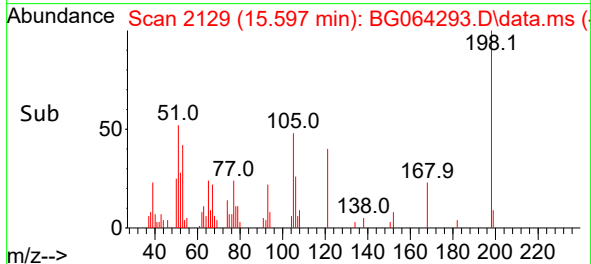
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



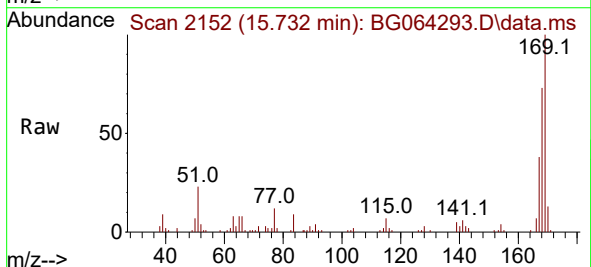
Tgt Ion:198 Resp: 8680
Ion Ratio Lower Upper
198 100
51 51.6 46.2 86.2
105 47.6 25.0 65.0

Manual Integrations
APPROVED

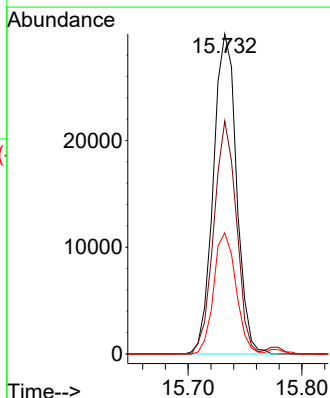
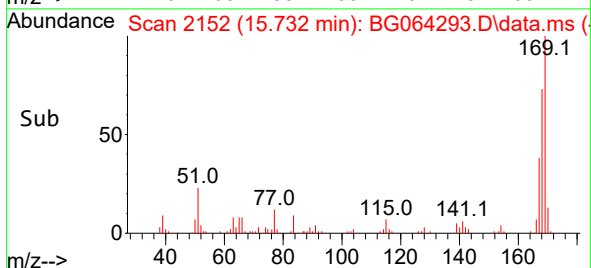
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

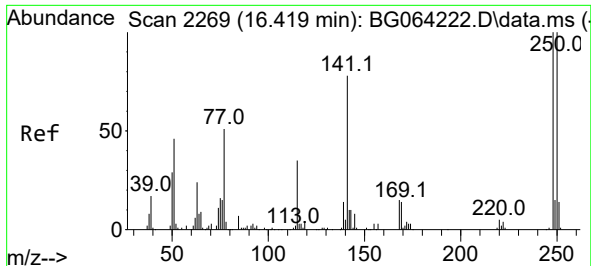


#66
n-Nitrosodiphenylamine
Concen: 7.363 ng
RT: 15.732 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



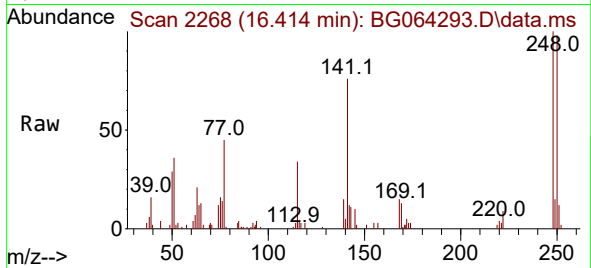
Tgt Ion:169 Resp: 42437
Ion Ratio Lower Upper
169 100
168 72.8 53.8 80.8
167 37.9 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 7.698 ng
RT: 16.414 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

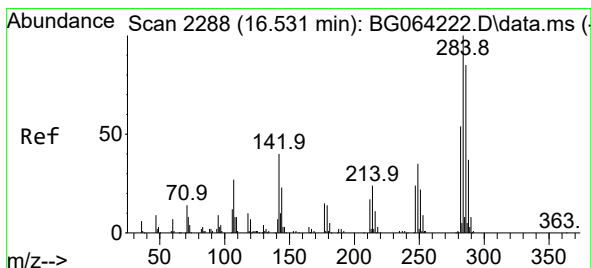
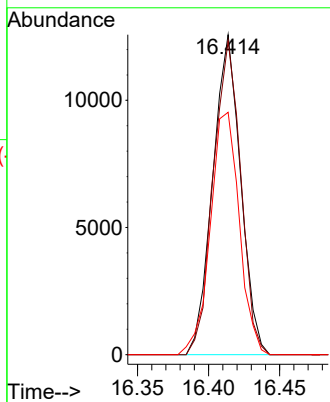
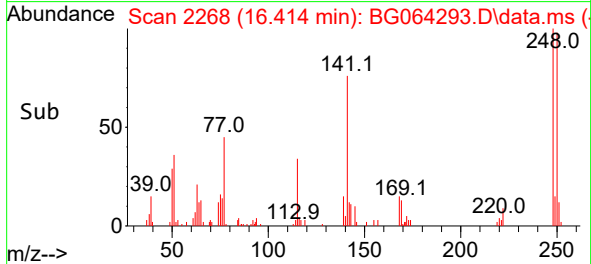
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:248 Resp: 17130
Ion Ratio Lower Upper
248 100
250 98.1 80.2 120.4
141 75.8 62.4 93.6

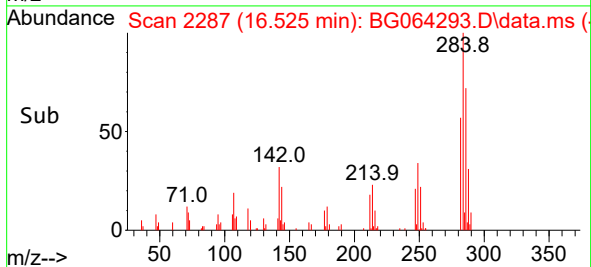
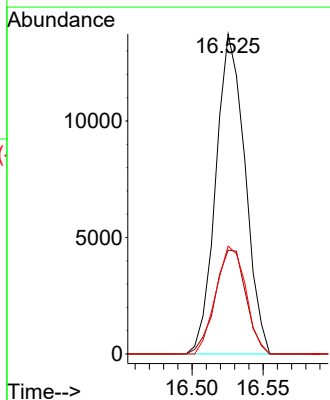
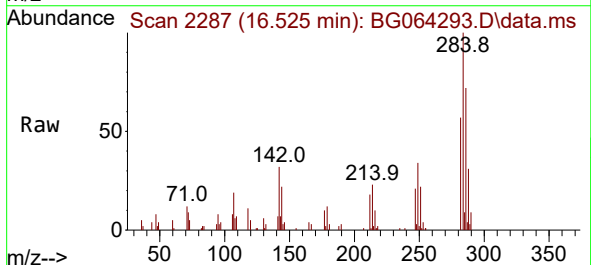
Manual Integrations
APPROVED

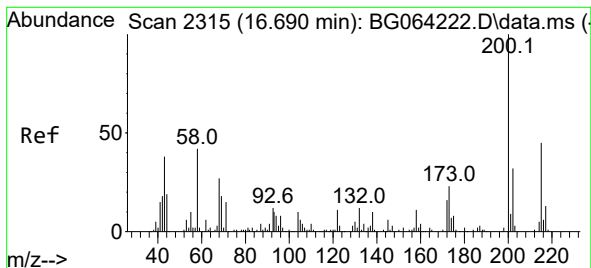
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#68
Hexachlorobenzene
Concen: 7.936 ng
RT: 16.525 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:284 Resp: 19609
Ion Ratio Lower Upper
284 100
142 32.4 32.1 48.1
249 33.7 28.3 42.5





#69

Atrazine

Concen: 8.211 ng

RT: 16.678 min Scan# 21

Delta R.T. -0.018 min

Lab File: BG064293.D

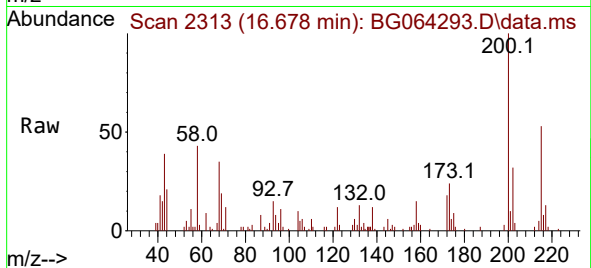
Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:200 Resp: 19760

Ion Ratio Lower Upper

200 100

173 24.1 3.5 43.5

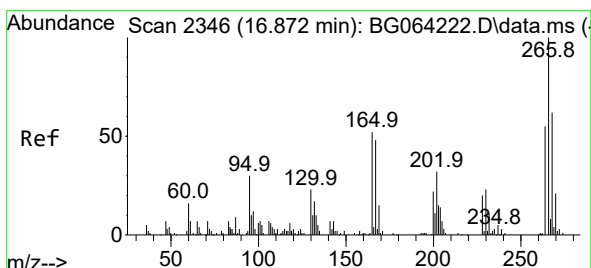
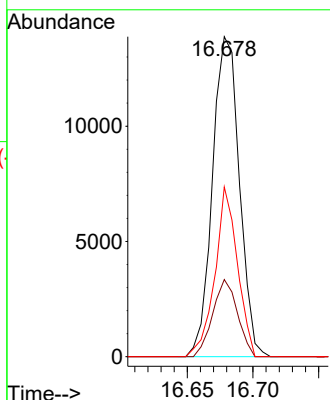
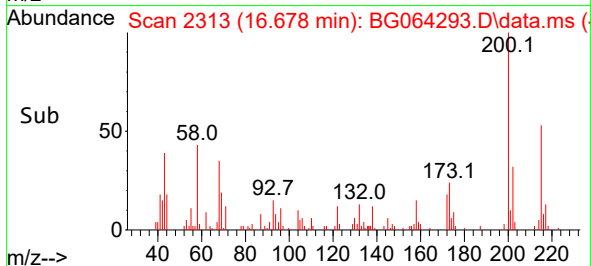
215 53.0 24.8 64.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#70

Pentachlorophenol

Concen: 7.154 ng

RT: 16.872 min Scan# 2346

Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

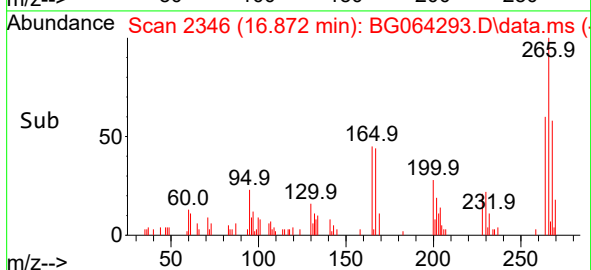
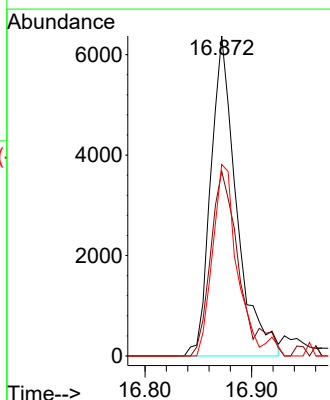
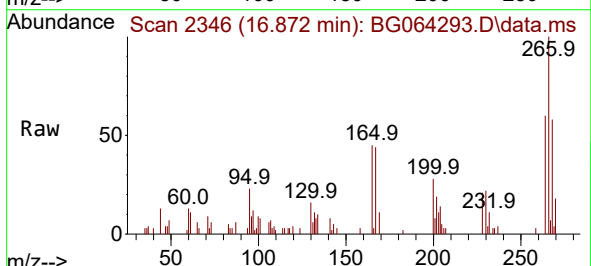
Tgt Ion:266 Resp: 10718

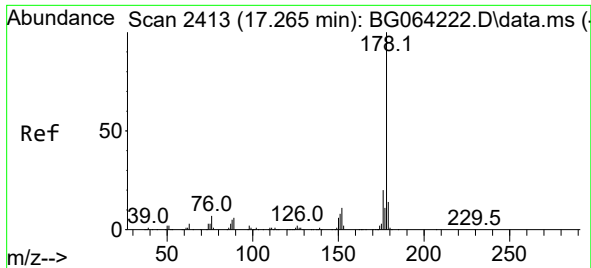
Ion Ratio Lower Upper

266 100

268 57.7 49.4 74.0

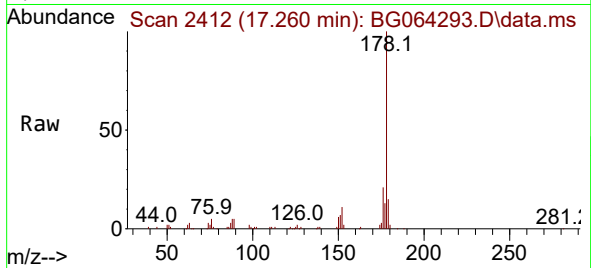
264 59.9 44.3 66.5





#71
Phenanthrene
Concen: 7.437 ng
RT: 17.260 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

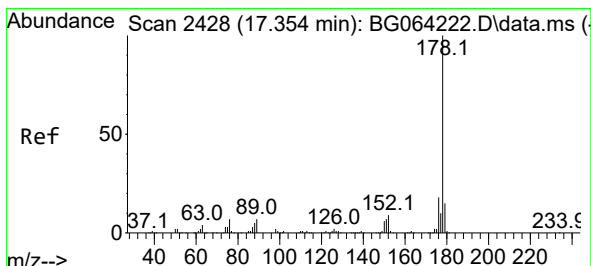
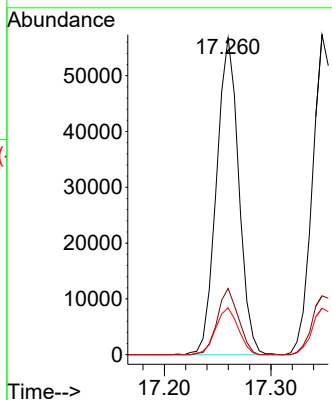
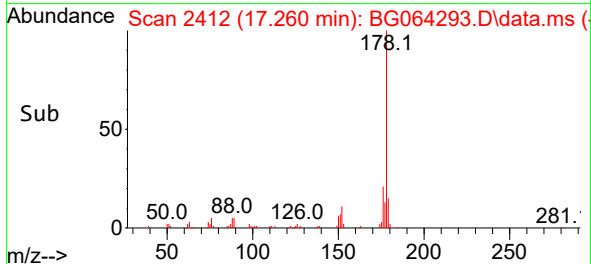
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:178 Resp: 82179
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 14.8 11.4 17.2

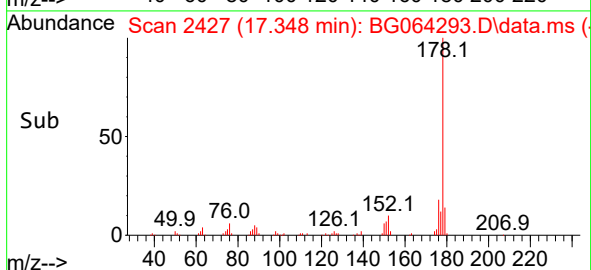
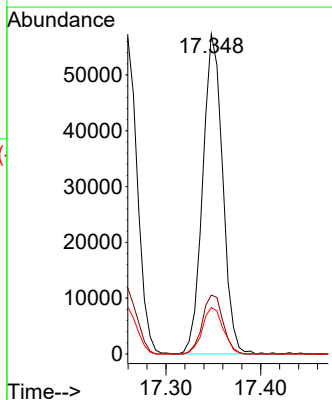
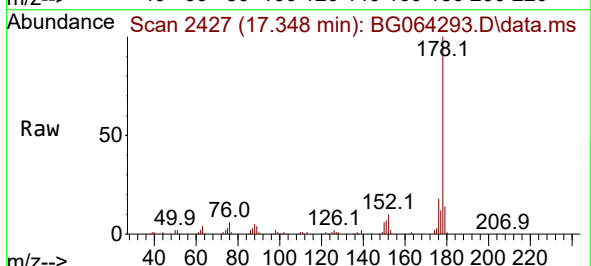
Manual Integrations
APPROVED

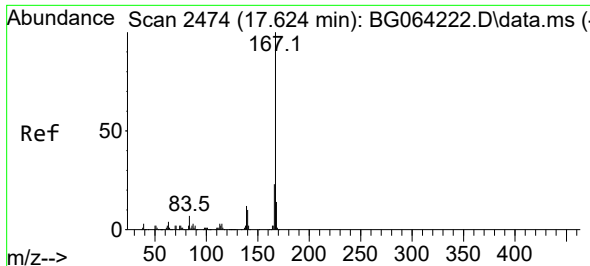
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#72
Anthracene
Concen: 7.429 ng
RT: 17.348 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

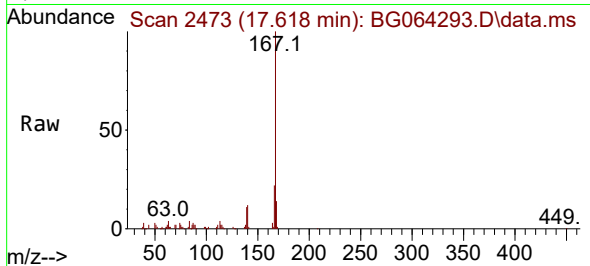
Tgt Ion:178 Resp: 83508
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 14.5 12.1 18.1





#73
 Carbazole
 Concen: 7.592 ng
 RT: 17.618 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG064293.D
 Acq: 5 Sep 2025 15:08

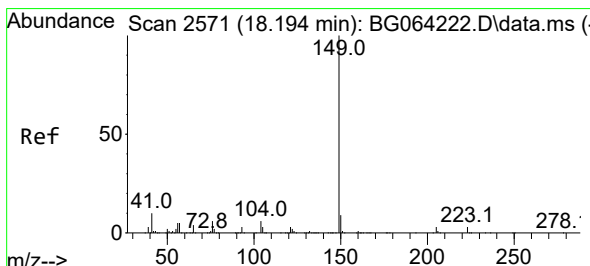
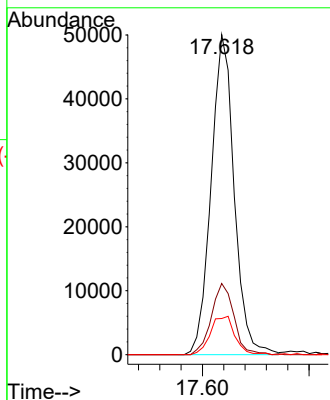
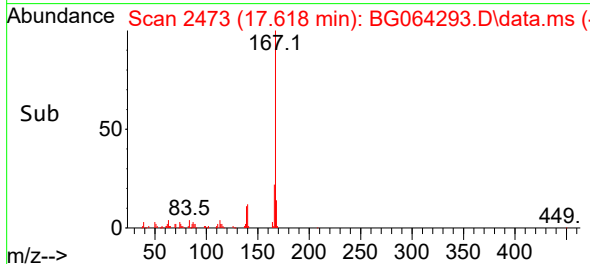
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion:167 Resp: 7517
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.2
 139 11.3 9.8 14.6

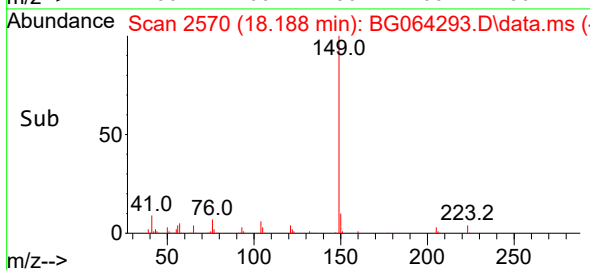
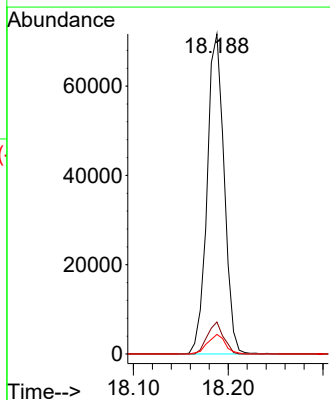
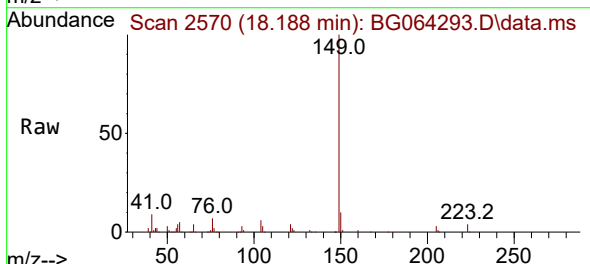
Manual Integrations
 APPROVED

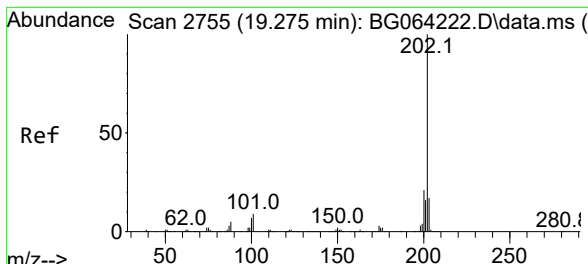
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#74
 Di-n-butylphthalate
 Concen: 7.510 ng
 RT: 18.188 min Scan# 2570
 Delta R.T. -0.006 min
 Lab File: BG064293.D
 Acq: 5 Sep 2025 15:08

Tgt Ion:149 Resp: 89338
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.5 11.3
 104 6.1 4.6 7.0



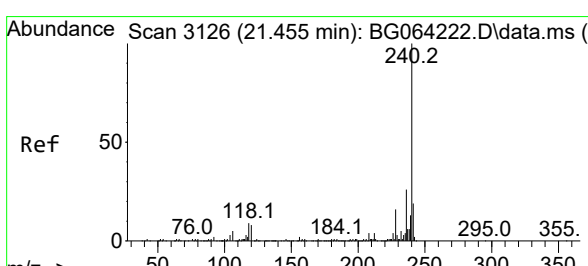
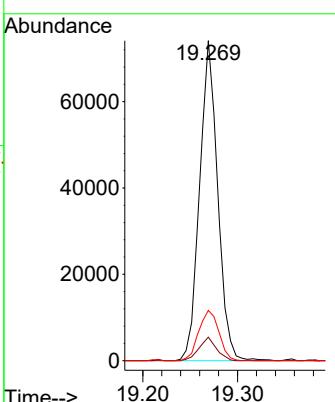
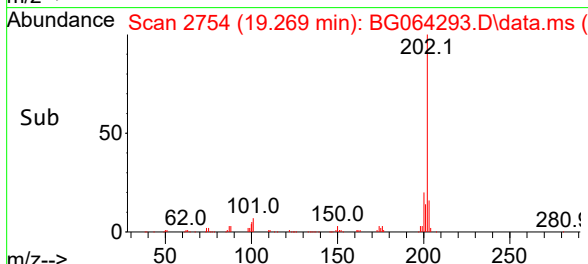
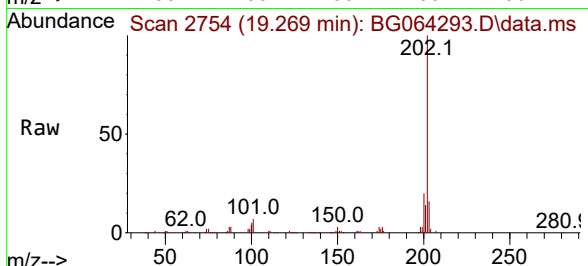


#75
 Fluoranthene
 Concen: 7.553 ng
 RT: 19.269 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064293.D
 Acq: 5 Sep 2025 15:08

Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT3-2025

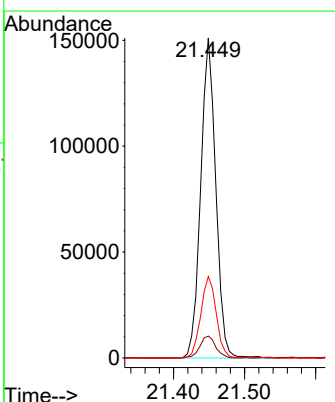
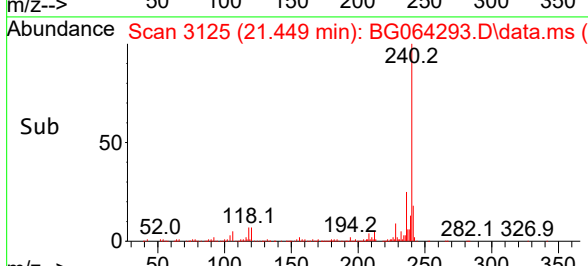
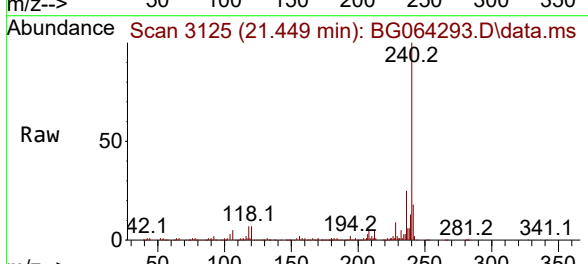
Tgt Ion:	202	Resp:	9813
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	28.7
203	15.7	0.0	36.9

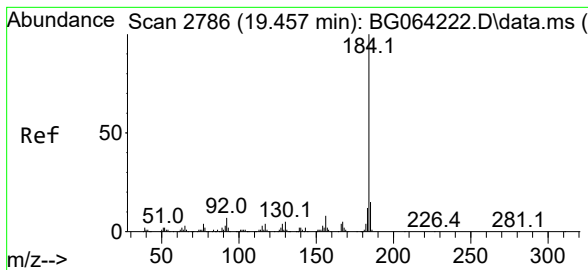
Manual Integrations
APPROVED
 Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.449 min Scan# 3125
 Delta R.T. -0.006 min
 Lab File: BG064293.D
 Acq: 5 Sep 2025 15:08

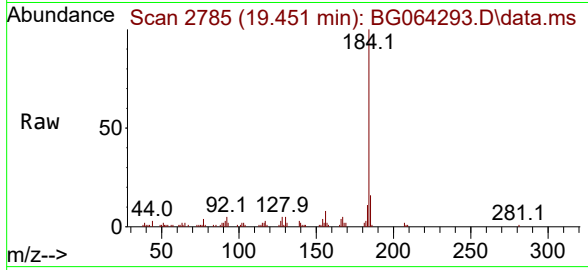
Tgt Ion:	240	Resp:	223019
Ion Ratio	Lower	Upper	
240	100		
120	6.8	6.2	9.4
236	25.5	20.5	30.7





#77
Benzidine
Concen: 9.711 ng
RT: 19.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

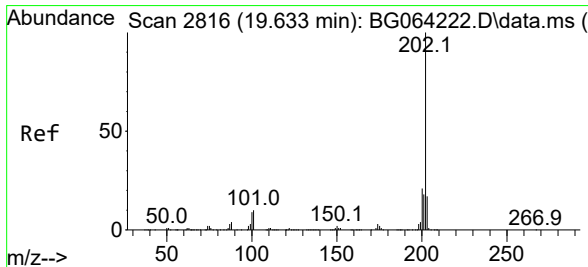
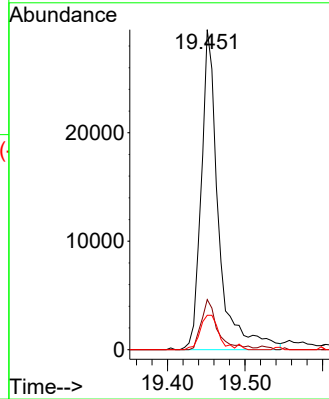
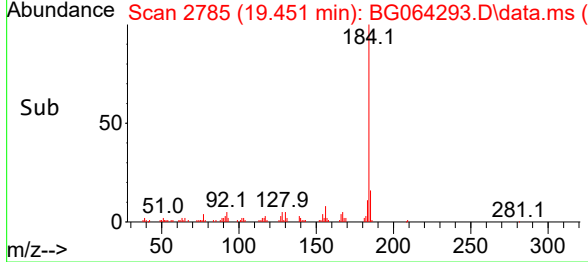
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



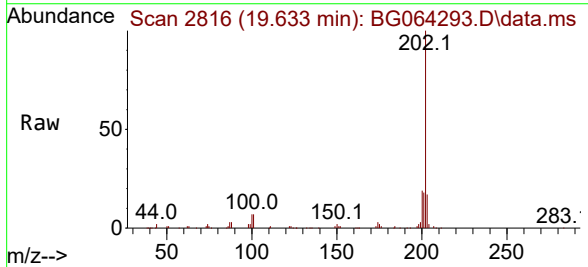
Tgt Ion:184 Resp: 45558
Ion Ratio Lower Upper
184 100
185 15.7 11.7 17.5
183 10.8 9.7 14.5

Manual Integrations
APPROVED

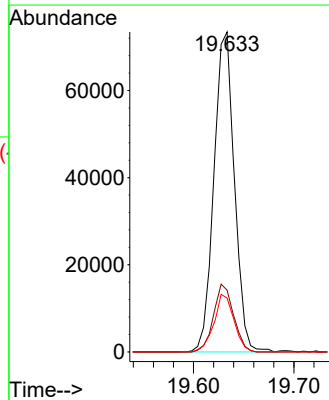
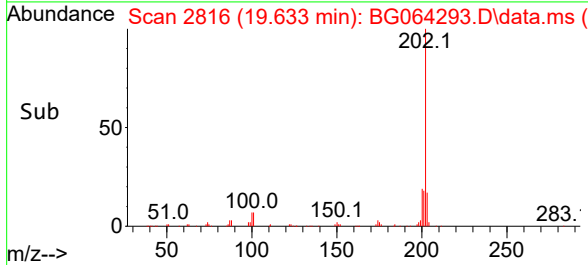
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

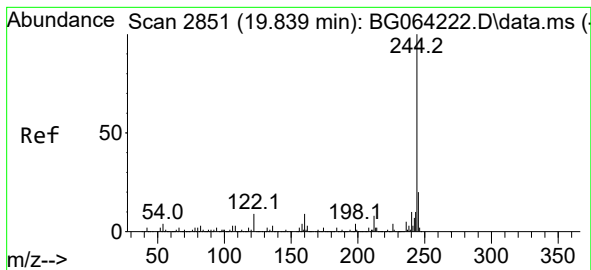


#78
Pyrene
Concen: 7.387 ng
RT: 19.633 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08



Tgt Ion:202 Resp: 103790
Ion Ratio Lower Upper
202 100
200 19.3 16.9 25.3
203 16.9 13.8 20.8





#79

Terphenyl-d14

Concen: 90.878 ng

RT: 19.839 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BG064293.D

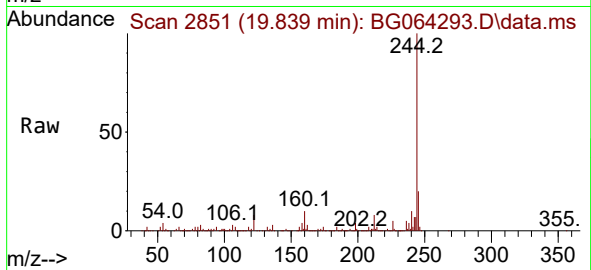
Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



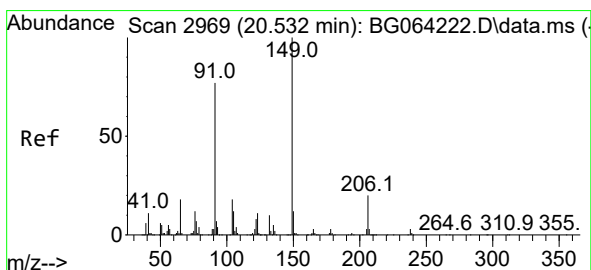
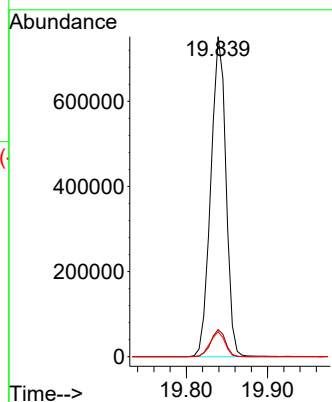
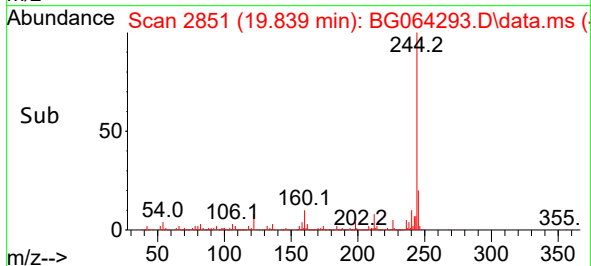
Tgt Ion:	244	Resp:	97143
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.6	10.0
122	7.8	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#80

Butylbenzylphthalate

Concen: 7.411 ng

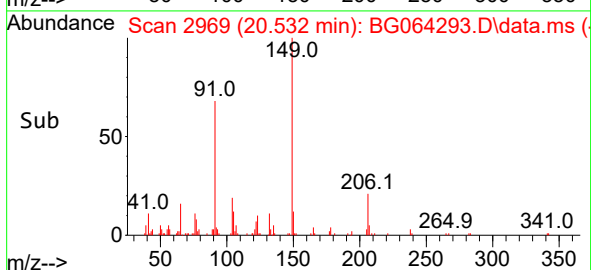
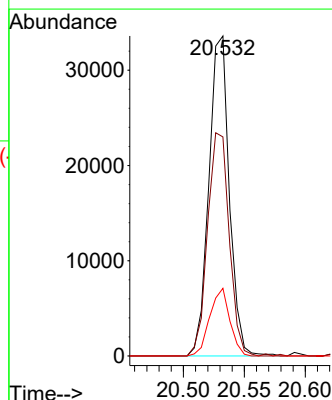
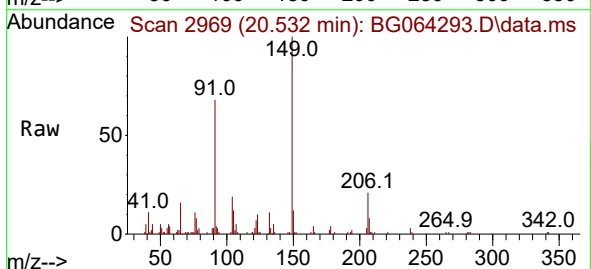
RT: 20.532 min Scan# 2969

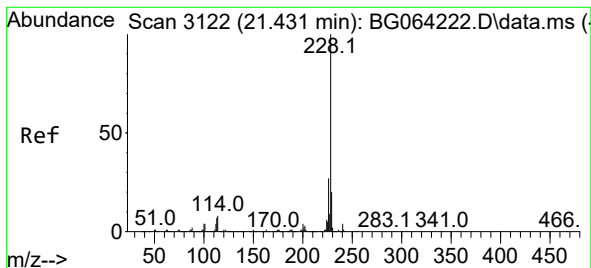
Delta R.T. -0.000 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Tgt Ion:	149	Resp:	39274
Ion Ratio	Lower	Upper	
149	100		
91	68.4	61.4	92.0
206	21.1	15.8	23.6





#81

Benzo(a)anthracene

Concen: 7.320 ng

RT: 21.431 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:228 Resp: 10444

Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

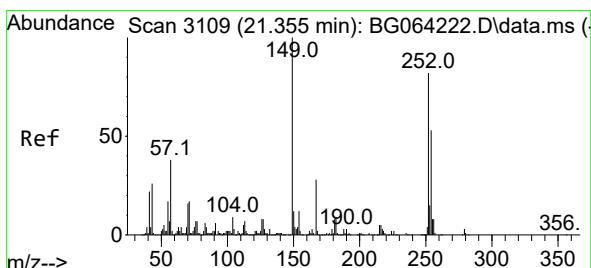
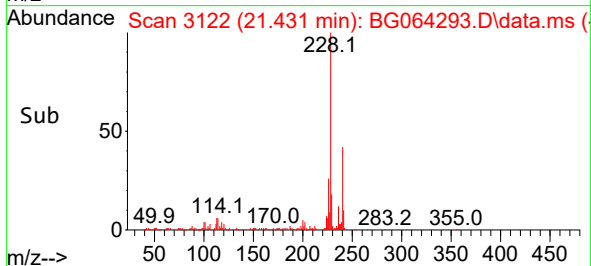
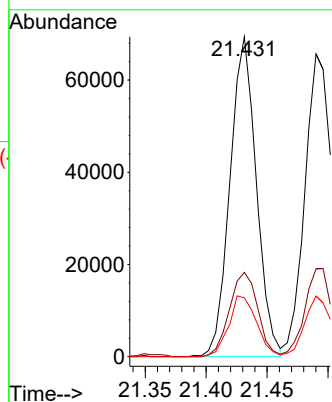
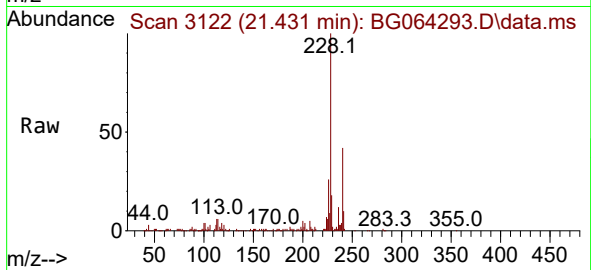
229 18.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#82

3,3'-Dichlorobenzidine

Concen: 7.945 ng

RT: 21.355 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

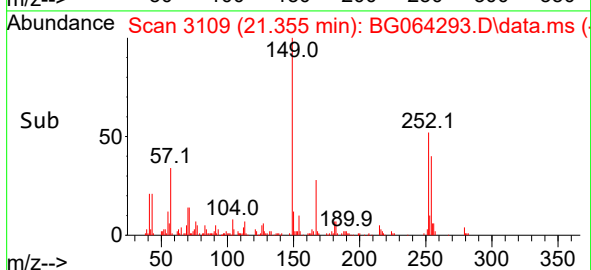
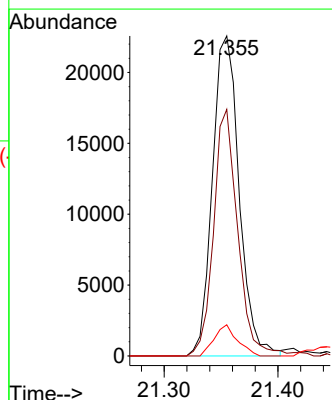
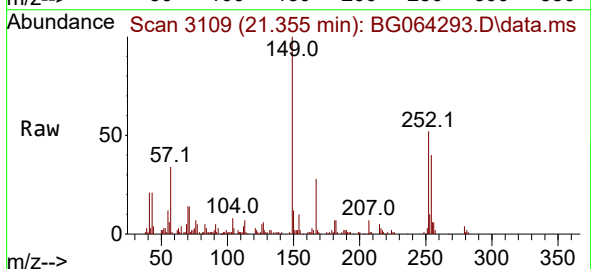
Tgt Ion:252 Resp: 36916

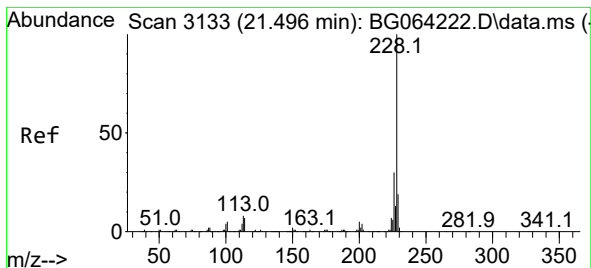
Ion Ratio Lower Upper

252 100

254 77.1 51.9 77.9

126 9.8 7.6 11.4





#83

Chrysene

Concen: 7.440 ng

RT: 21.490 min Scan# 3133

Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

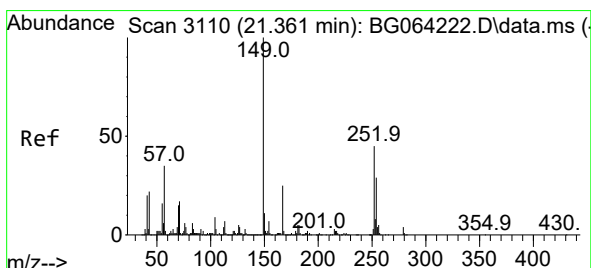
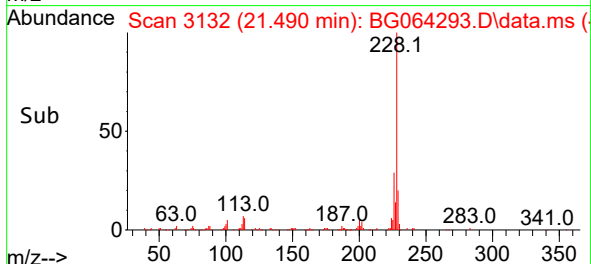
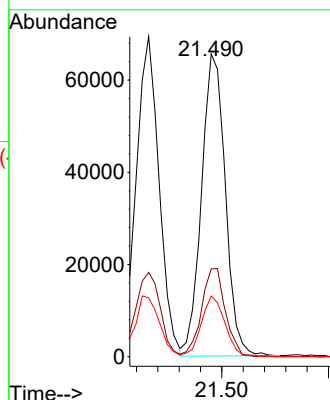
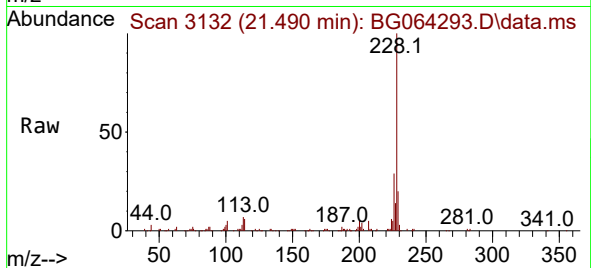
ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:228 Resp: 101900
 Ion Ratio Lower Upper
 228 100
 226 29.0 24.2 36.2
 229 20.0 15.4 23.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.333 ng

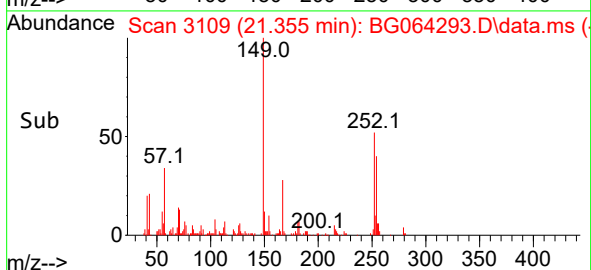
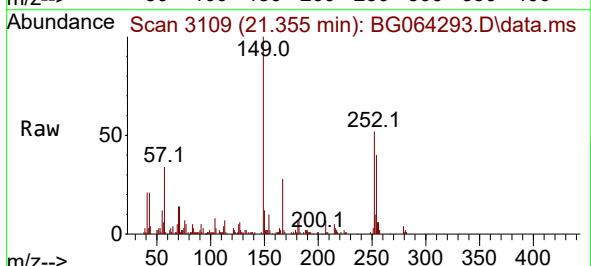
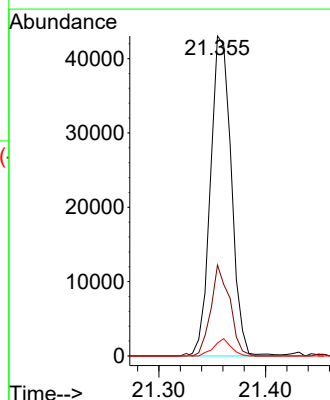
RT: 21.355 min Scan# 3109

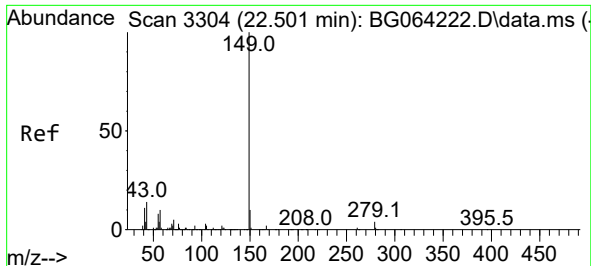
Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

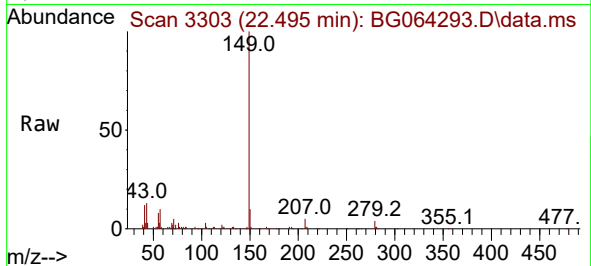
Tgt Ion:149 Resp: 58341
 Ion Ratio Lower Upper
 149 100
 167 28.4 20.0 30.0
 279 4.0 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 7.127 ng
RT: 22.495 min Scan# 3304
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

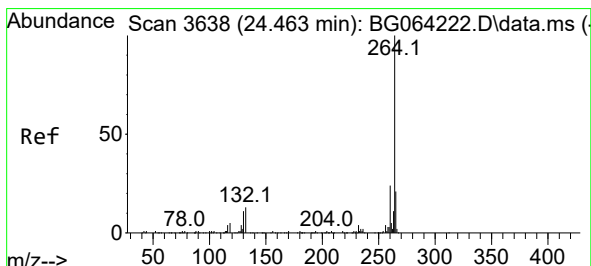
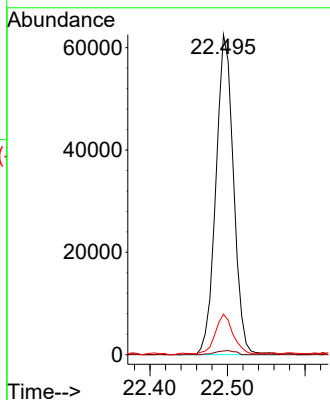
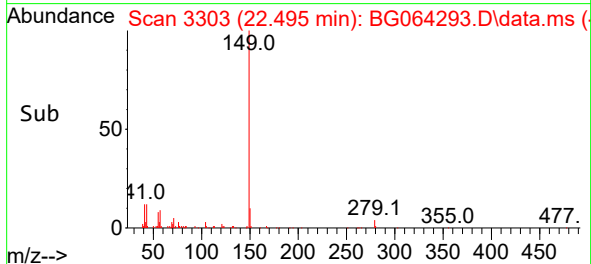
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:149 Resp: 98798
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 12.2 10.8 16.2

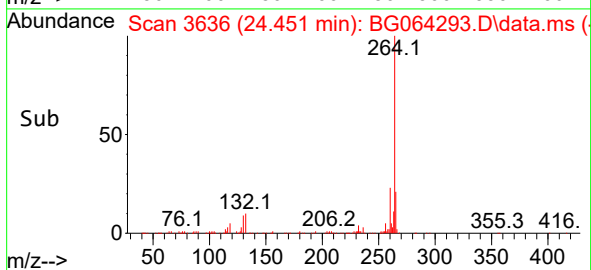
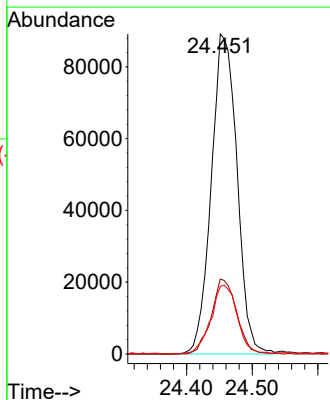
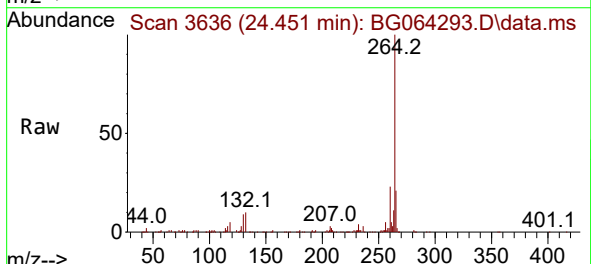
Manual Integrations
APPROVED

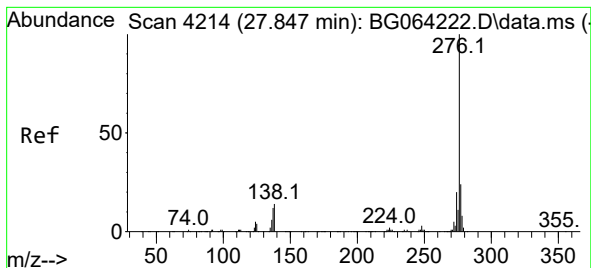
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.451 min Scan# 3636
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:264 Resp: 242512
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.346 ng

RT: 27.841 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG064293.D

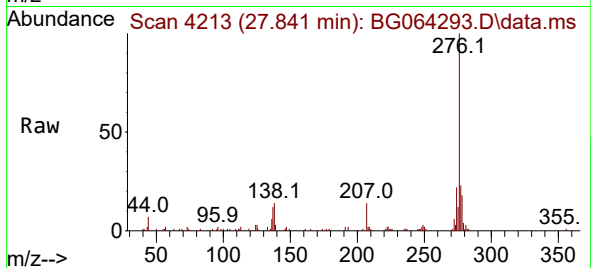
Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:276 Resp: 12165

Ion Ratio Lower Upper

276 100

138 0.0 7.4 11.0

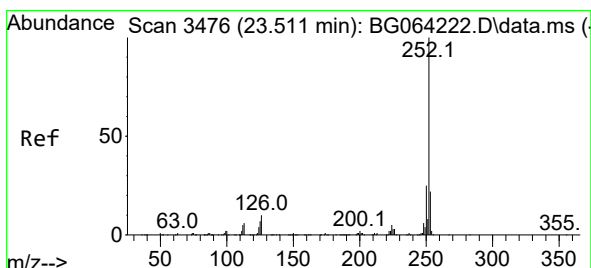
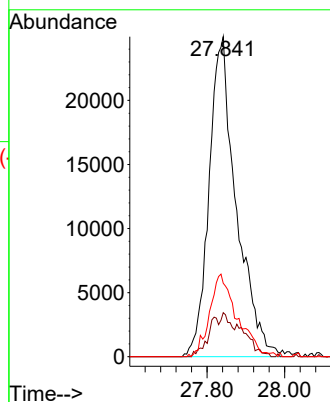
277 26.1 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#88

Benzo(b)fluoranthene

Concen: 7.307 ng

RT: 23.505 min Scan# 3475

Delta R.T. -0.012 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

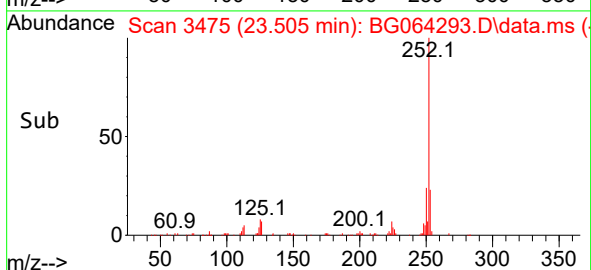
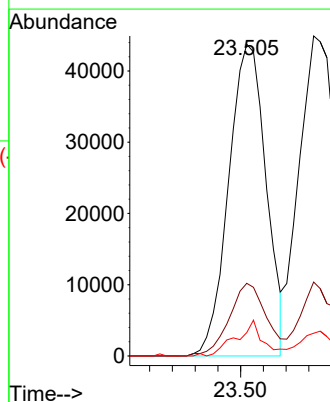
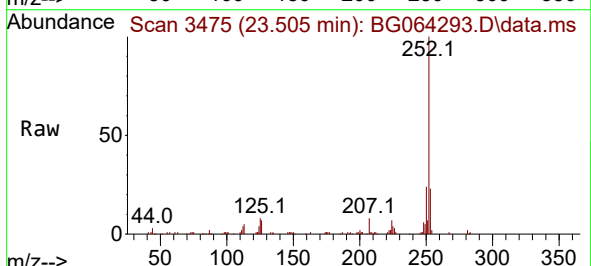
Tgt Ion:252 Resp: 100009

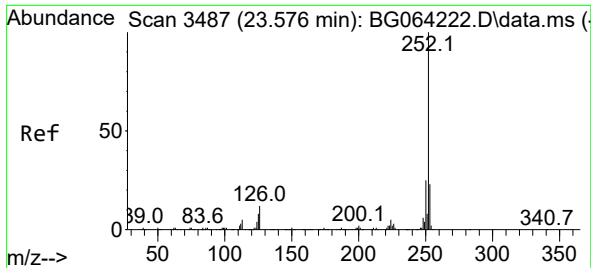
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

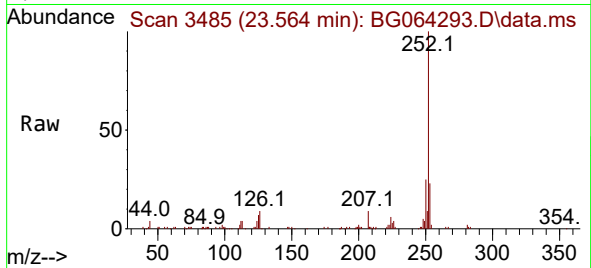
125 7.5 5.9 8.9





#89
Benzo(k)fluoranthene
Concen: 7.385 ng
RT: 23.564 min Scan# 3487
Delta R.T. -0.024 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

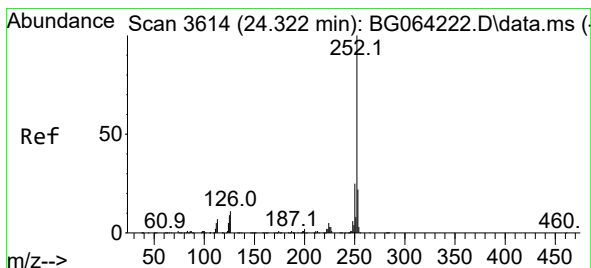
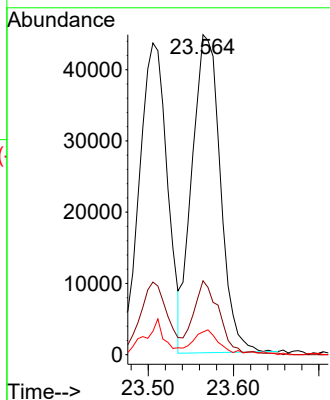
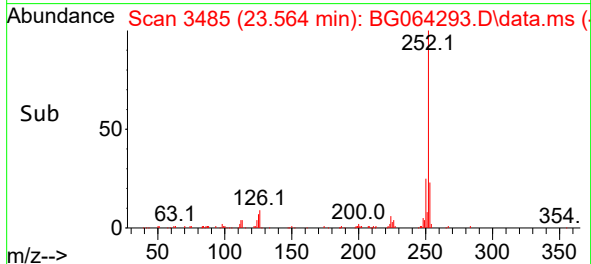
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:252 Resp: 102972
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 7.1 7.0 10.4

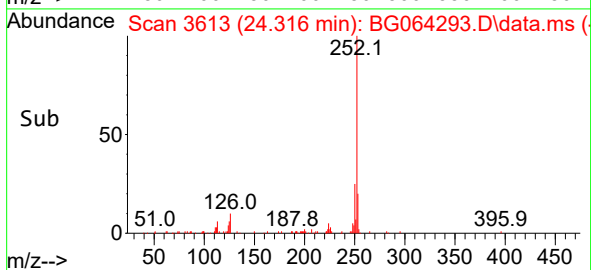
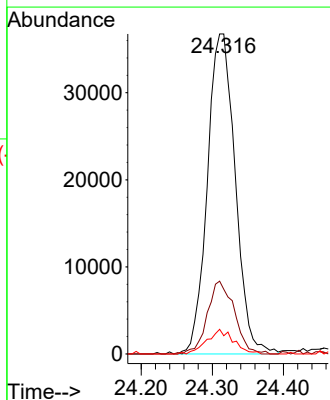
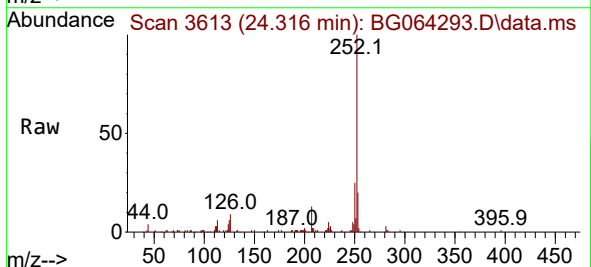
Manual Integrations
APPROVED

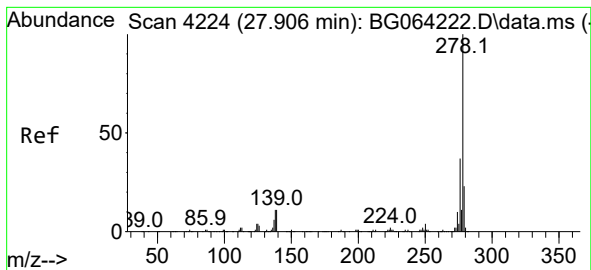
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#90
Benzo(a)pyrene
Concen: 7.862 ng
RT: 24.316 min Scan# 3613
Delta R.T. -0.012 min
Lab File: BG064293.D
Acq: 5 Sep 2025 15:08

Tgt Ion:252 Resp: 100095
Ion Ratio Lower Upper
252 100
253 20.2 17.4 26.2
125 5.7 7.0 10.6#





#91

Dibenzo(a,h)anthracene

Concen: 7.496 ng

RT: 27.894 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

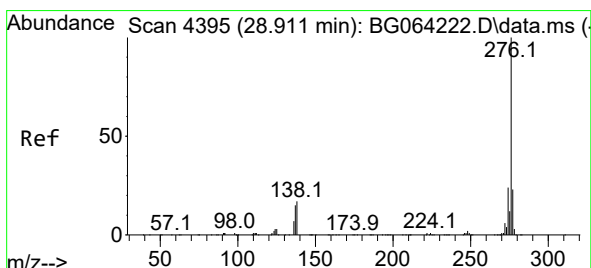
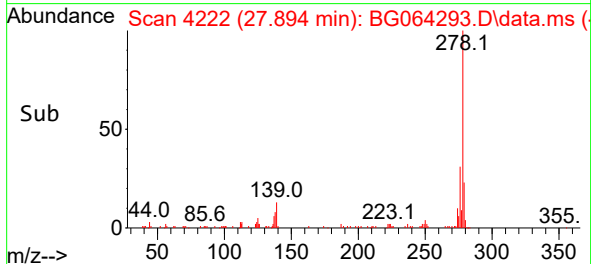
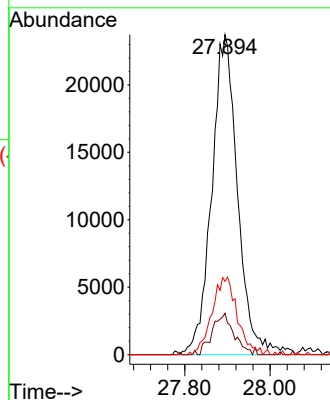
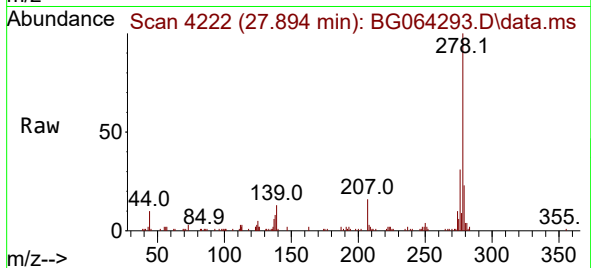
Tgt Ion:278 Resp: 9967
 Ion Ratio Lower Upper
 278 100
 139 13.0 9.0 13.4
 279 22.9 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#92

Benzo(g,h,i)perylene

Concen: 7.633 ng

RT: 28.893 min Scan# 4392

Delta R.T. -0.041 min

Lab File: BG064293.D

Acq: 5 Sep 2025 15:08

Tgt Ion:276 Resp: 98761
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.2 27.4
 138 15.8 13.3 19.9

