

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
 Data File : BG064292.D
 Acq On : 5 Sep 2025 14:26
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 4PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 05 15:09:30 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	7.855	152	25998	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	115337	20.000	ng	#-0.01
39) Acenaphthene-d10	14.476	164	89399	20.000	ng	0.00
64) Phenanthrene-d10	17.220	188	215692	20.000	ng	# 0.00
76) Chrysene-d12	21.450	240	222945	20.000	ng	0.00
86) Perylene-d12	24.459	264	243410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	171813	118.566	ng	0.00
7) Phenol-d6	7.020	99	240968	121.041	ng	-0.01
23) Nitrobenzene-d5	9.006	82	188503	91.149	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	165735	139.963	ng	-0.01
45) 2-Fluorobiphenyl	13.101	172	492654	84.113	ng	-0.01
79) Terphenyl-d14	19.840	244	992945	92.921	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.366	88	2844	4.709	ng	# 66
3) Pyridine	3.748	79	5806	3.266	ng	# 56
4) n-Nitrosodimethylamine	3.665	42	4513	3.838	ng	99
6) Aniline	7.185	93	9649	3.505	ng	91
8) 2-Chlorophenol	7.420	128	6786	3.832	ng	87
9) Benzaldehyde	6.991	77	6705	4.093	ng	92
10) Phenol	7.050	94	7941	3.618	ng	76
11) bis(2-Chloroethyl)ether	7.279	93	5807	3.521	ng	82
12) 1,3-Dichlorobenzene	7.737	146	7957	4.224	ng	95
13) 1,4-Dichlorobenzene	7.884	146	7895	4.153	ng	90
14) 1,2-Dichlorobenzene	8.207	146	8005	4.363	ng	95
15) Benzyl Alcohol	8.084	79	6844	3.725	ng	# 85
16) 2,2'-oxybis(1-Chloropr...	8.377	45	10992	2.919	ng	92
17) 2-Methylphenol	8.289	107	5716	3.494	ng	88
18) Hexachloroethane	8.924	117	2754	3.711	ng	97
19) n-Nitroso-di-n-propyla...	8.648	70	5336	3.502	ng	# 84
20) 3+4-Methylphenols	8.624	107	7719	3.396	ng	95
22) Acetophenone	8.665	105	11271	3.863	ng	# 94
24) Nitrobenzene	9.041	77	8700	4.026	ng	89
25) Isophorone	9.570	82	15582	3.625	ng	96
26) 2-Nitrophenol	9.758	139	3520	3.770	ng	93
27) 2,4-Dimethylphenol	9.817	122	6577	4.012	ng	# 85
28) bis(2-Chloroethoxy)met...	10.052	93	7845	3.385	ng	# 92
29) 2,4-Dichlorophenol	10.287	162	6607	3.820	ng	# 81
30) 1,2,4-Trichlorobenzene	10.504	180	7824	4.290	ng	93
31) Naphthalene	10.687	128	23332	3.901	ng	96
32) Benzoic acid	9.917	122	1900m	1.460	ng	
33) 4-Chloroaniline	10.798	127	9150	3.947	ng	91
34) Hexachlorobutadiene	10.980	225	6141	4.556	ng	# 84
35) Caprolactam	11.538	113	2309	3.448	ng	# 89
36) 4-Chloro-3-methylphenol	11.920	107	8030	3.578	ng	99
37) 2-Methylnaphthalene	12.296	142	15159	3.410	ng	98
38) 1-Methylnaphthalene	12.514	142	15652	3.565	ng	# 97
40) 1,2,4,5-Tetrachloroben...	12.667	216	9863	3.824	ng	93
41) Hexachlorocyclopentadiene	12.649	237	5273	4.301	ng	85
43) 2,4,6-Trichlorophenol	12.913	196	6500m	3.770	ng	

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Manual Integrations
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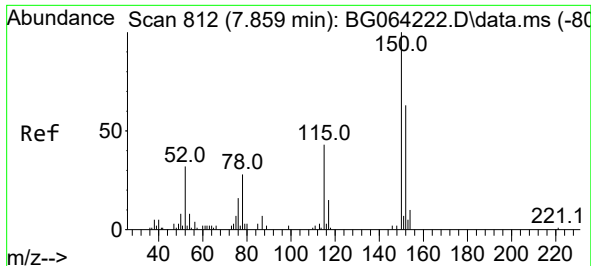
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.984	196	7350	3.930	ng	# 92
46) 1,1'-Biphenyl	13.313	154	25176	3.866	ng	93
47) 2-Chloronaphthalene	13.354	162	18336	3.746	ng	99
48) 2-Nitroaniline	13.554	65	5182	3.106	ng	87
49) Acenaphthylene	14.194	152	30608	4.230	ng	# 92
50) Dimethylphthalate	13.930	163	25671	3.794	ng	# 97
51) 2,6-Dinitrotoluene	14.047	165	5459	4.167	ng	# 85
52) Acenaphthene	14.541	154	18409	3.605	ng	96
53) 3-Nitroaniline	14.376	138	4641	3.382	ng	# 95
54) 2,4-Dinitrophenol	14.594	184	1619	7.409	ng	# 77
55) Dibenzofuran	14.876	168	30834	3.839	ng	94
56) 4-Nitrophenol	14.688	139	2796	2.484	ng	# 80
57) 2,4-Dinitrotoluene	14.835	165	7868	3.972	ng	# 92
58) Fluorene	15.522	166	26324	3.998	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.099	232	7366	4.095	ng	# 92
60) Diethylphthalate	15.299	149	26939	3.720	ng	96
61) 4-Chlorophenyl-phenyle...	15.516	204	13611	4.147	ng	91
62) 4-Nitroaniline	15.540	138	4636	3.311	ng	# 72
63) Azobenzene	15.816	77	23699	3.672	ng	95
65) 4,6-Dinitro-2-methylph...	15.604	198	3863	3.119	ng	84
66) n-Nitrosodiphenylamine	15.734	169	22227	3.746	ng	93
67) 4-Bromophenyl-phenylether	16.415	248	8167	3.565	ng	94
68) Hexachlorobenzene	16.527	284	10222	4.018	ng	98
69) Atrazine	16.680	200	9777	3.946	ng	97
70) Pentachlorophenol	16.873	266	4728	3.065	ng	# 84
71) Phenanthrene	17.261	178	42335	3.721	ng	98
72) Anthracene	17.349	178	42603	3.682	ng	98
73) Carbazole	17.620	167	35890	3.521	ng	93
74) Di-n-butylphthalate	18.184	149	44356	3.622	ng	97
75) Fluoranthene	19.271	202	50699	3.790	ng	96
77) Benzidine	19.453	184	18163	3.873	ng	# 93
78) Pyrene	19.629	202	50435	3.591	ng	99
80) Butylbenzylphthalate	20.528	149	19959	3.767	ng	99
81) Benzo(a)anthracene	21.427	228	53364	3.741	ng	97
82) 3,3'-Dichlorobenzidine	21.356	252	19354	4.166	ng	100
83) Chrysene	21.491	228	51550	3.765	ng	96
84) Bis(2-ethylhexyl)phtha...	21.356	149	28810	3.622	ng	96
85) Di-n-octyl phthalate	22.496	149	51489	3.715	ng	100
87) Indeno(1,2,3-cd)pyrene	27.831	276	63629	3.828	ng	# 87
88) Benzo(b)fluoranthene	23.507	252	50168	3.652	ng	94
89) Benzo(k)fluoranthene	23.566	252	53781	3.843	ng	98
90) Benzo(a)pyrene	24.312	252	49725	3.891	ng	96
91) Dibenzo(a,h)anthracene	27.902	278	51413	3.852	ng	96
92) Benzo(g,h,i)perylene	28.883	276	51747	3.985	ng	# 95

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

Manual Integrations

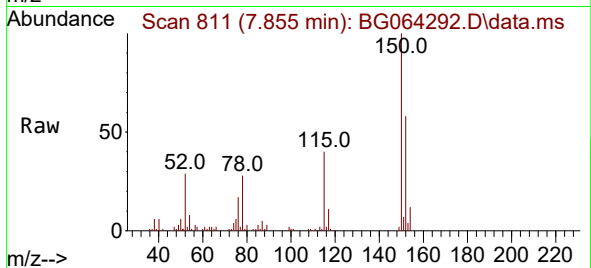
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jaqrut Upadhyay 09/08/2025

[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.855 min Scan# 812
Delta R.T. -0.004 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

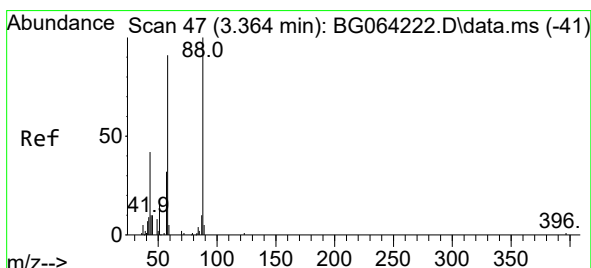
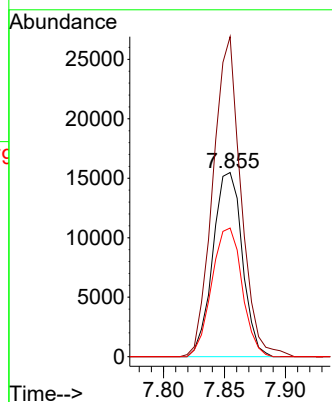
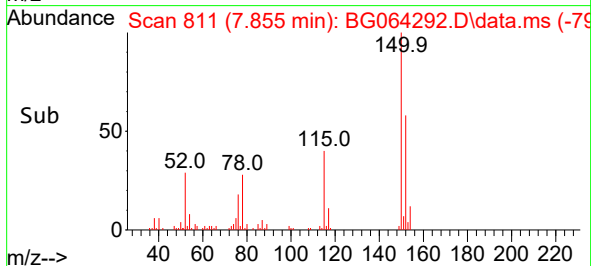
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:152 Resp: 25998
Ion Ratio Lower Upper
152 100
150 173.7 128.0 192.0
115 69.9 55.7 83.5

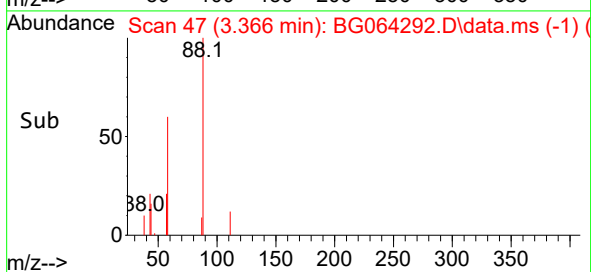
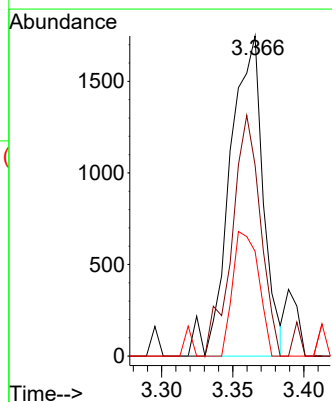
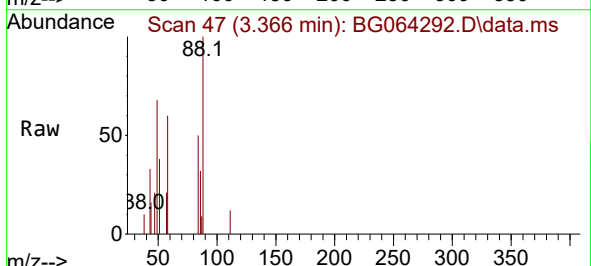
Manual Integrations
APPROVED

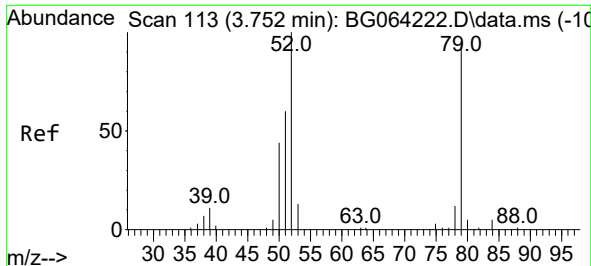
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#2
1,4-Dioxane
Concen: 4.709 ng
RT: 3.366 min Scan# 47
Delta R.T. 0.007 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

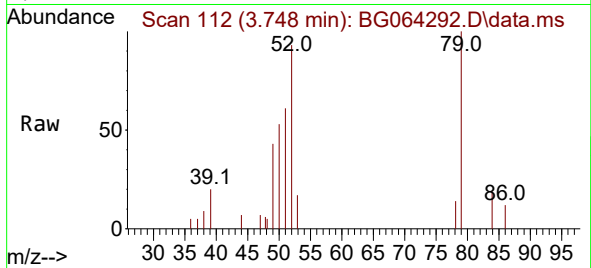
Tgt Ion: 88 Resp: 2844
Ion Ratio Lower Upper
88 100
58 64.6 80.8 121.2#
43 30.4 40.3 60.5#





#3
Pyridine
Concen: 3.266 ng
RT: 3.748 min Scan# 113
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

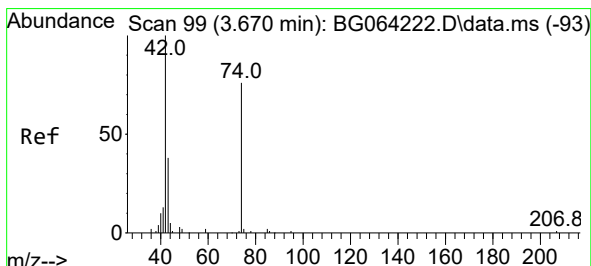
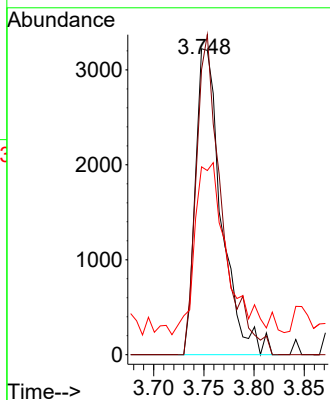
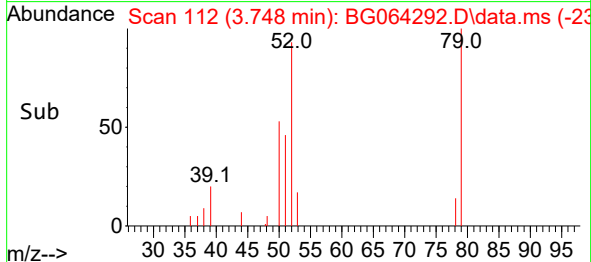
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 79 Resp: 5800
Ion Ratio Lower Upper
79 100
52 93.2 86.6 129.8
51 61.4 114.1 171.1

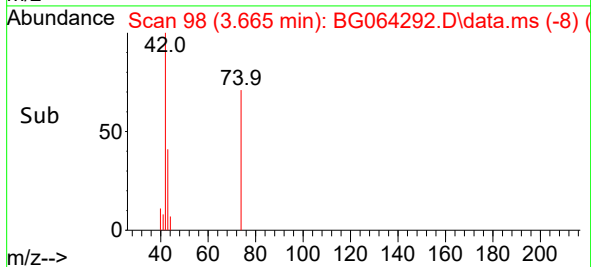
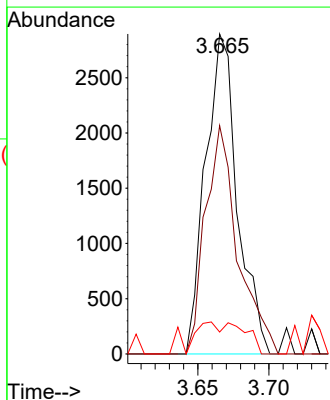
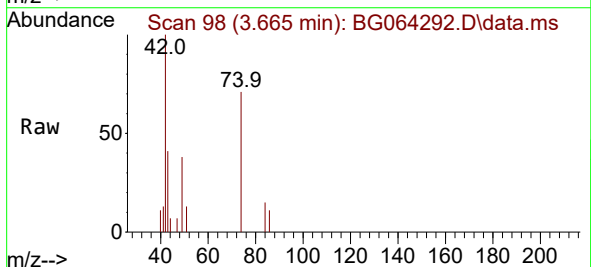
Manual Integrations
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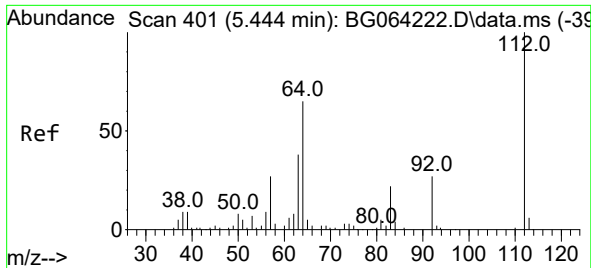
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#4
n-Nitrosodimethylamine
Concen: 3.838 ng
RT: 3.665 min Scan# 98
Delta R.T. 0.001 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

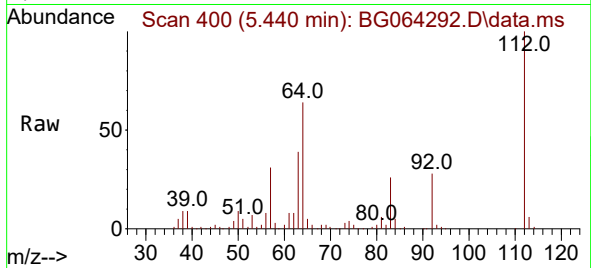
Tgt Ion: 42 Resp: 4513
Ion Ratio Lower Upper
42 100
74 71.3 58.0 87.0
44 6.8 5.5 8.3





#5
2-Fluorophenol
Concen: 118.566 ng
RT: 5.440 min Scan# 401
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

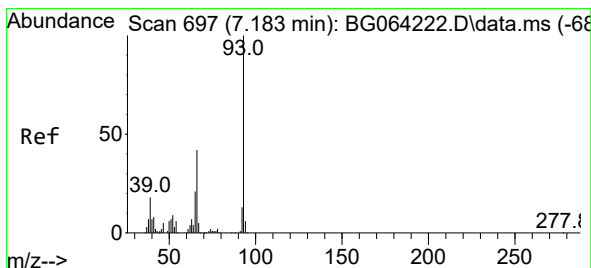
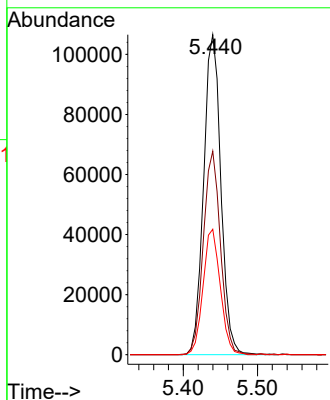
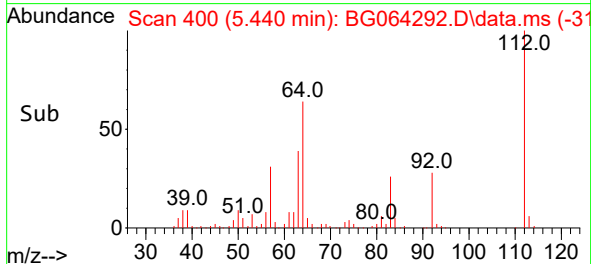
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



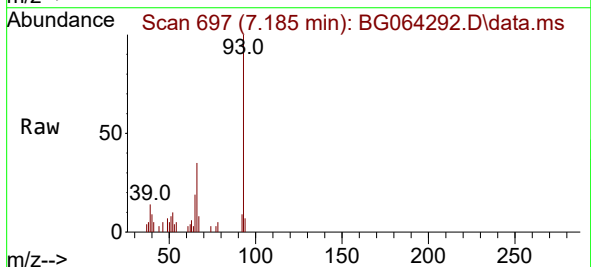
Tgt Ion:112 Resp: 17181
Ion Ratio Lower Upper
112 100
64 63.6 51.8 77.6
63 39.2 30.6 45.8

Manual Integrations
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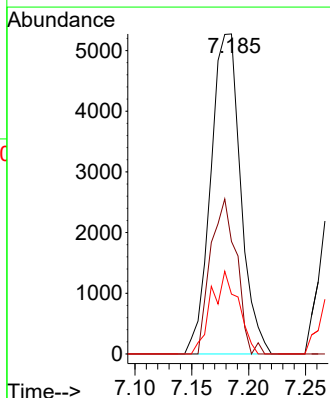
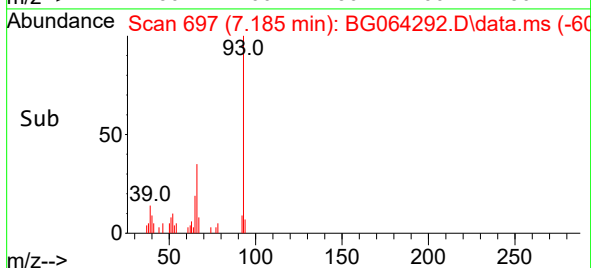
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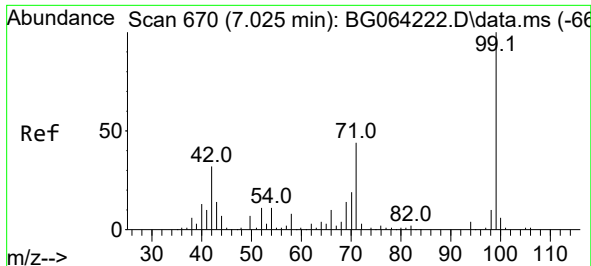


#6
Aniline
Concen: 3.505 ng
RT: 7.185 min Scan# 697
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



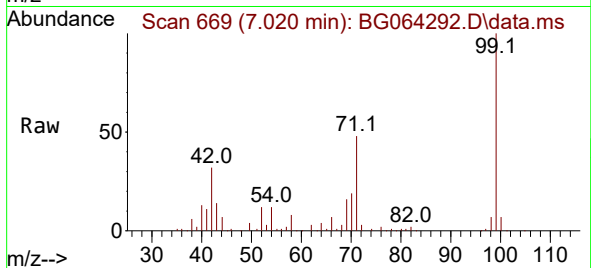
Tgt Ion: 93 Resp: 9649
Ion Ratio Lower Upper
93 100
66 35.2 33.8 50.8
65 18.7 16.9 25.3





#7
Phenol-d6
Concen: 121.041 ng
RT: 7.020 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

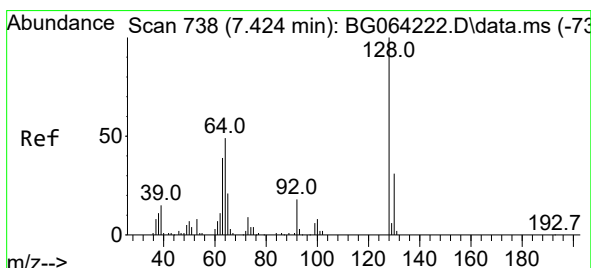
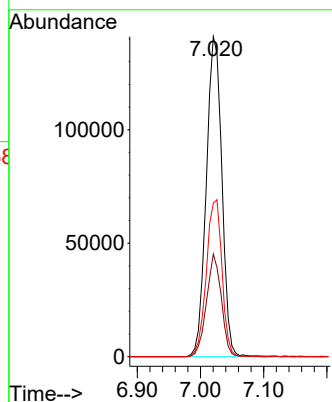
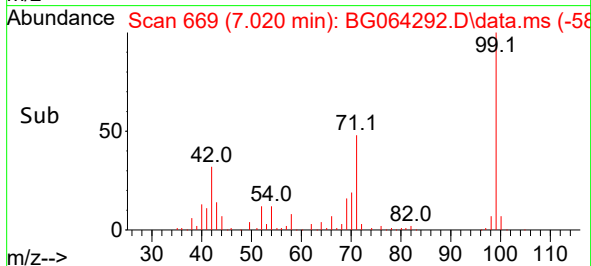
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 99 Resp: 24096
Ion Ratio Lower Upper
99 100
42 32.1 25.8 38.8
71 48.0 35.2 52.8

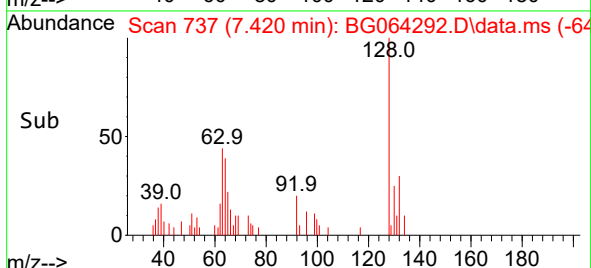
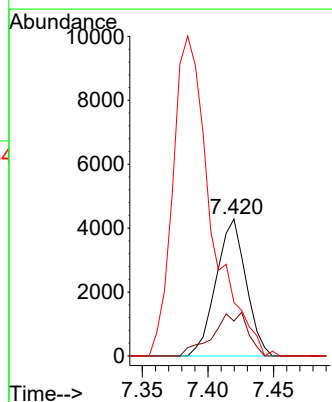
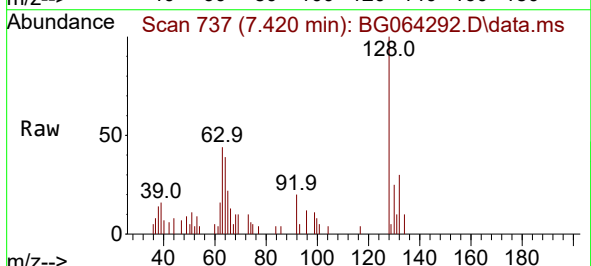
Manual Integrations
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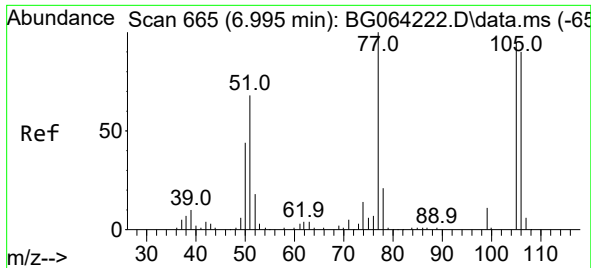
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#8
2-Chlorophenol
Concen: 3.832 ng
RT: 7.420 min Scan# 737
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

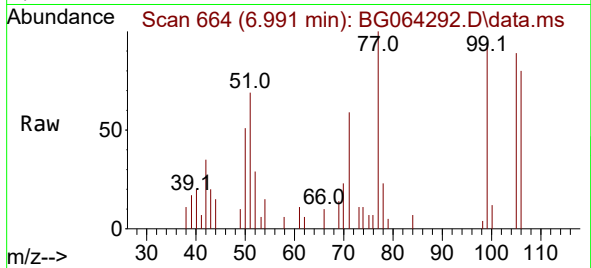
Tgt Ion:128 Resp: 6786
Ion Ratio Lower Upper
128 100
130 25.5 10.9 50.9
64 39.0 28.7 68.7





#9
Benzaldehyde
Concen: 4.093 ng
RT: 6.991 min Scan# 664
Delta R.T. -0.004 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

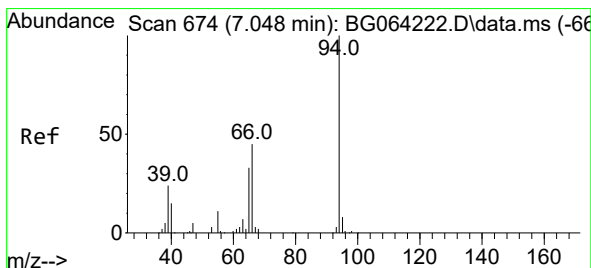
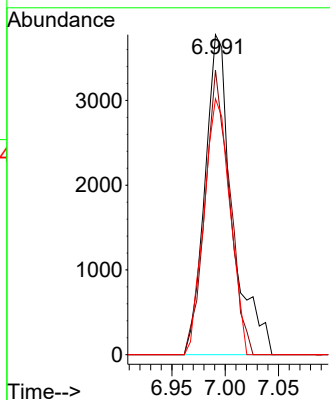
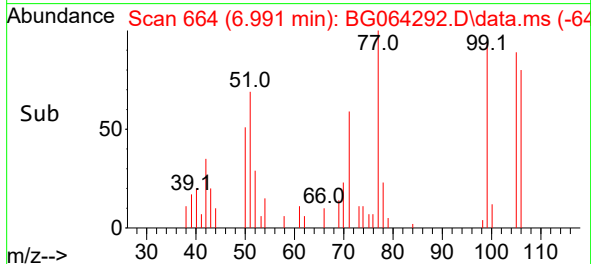
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 77 Resp: 670
Ion Ratio Lower Upper
77 100
105 89.0 75.2 115.2
106 80.0 69.6 109.6

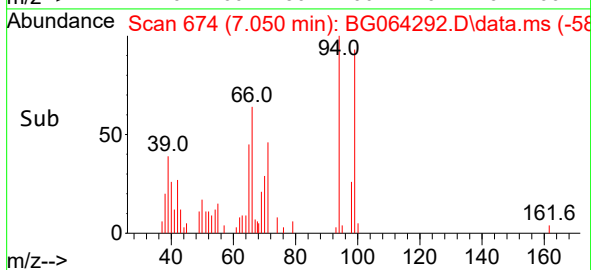
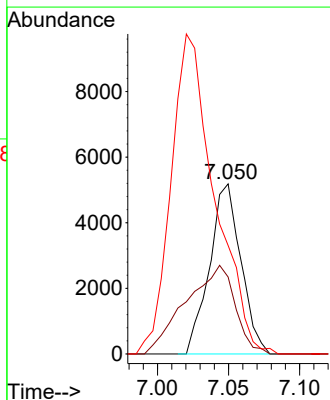
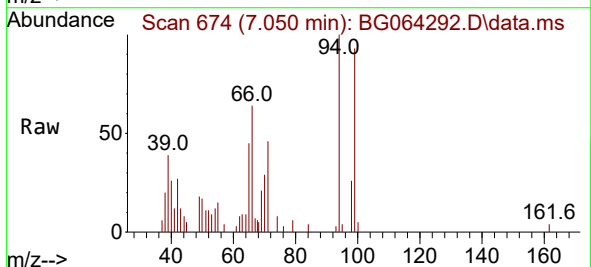
Manual Integrations
APPROVED

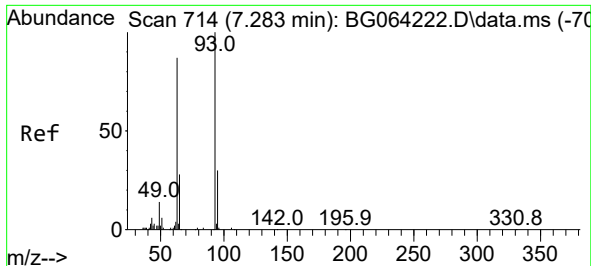
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#10
Phenol
Concen: 3.618 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

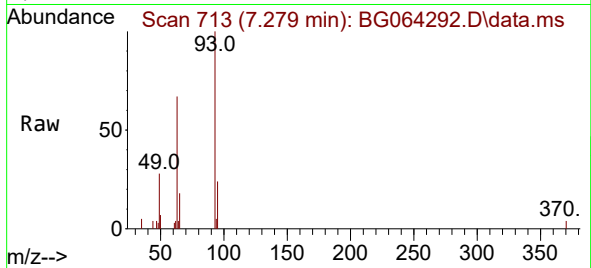
Tgt Ion: 94 Resp: 7941
Ion Ratio Lower Upper
94 100
65 45.2 13.5 53.5
66 63.8 26.2 66.2





#11
bis(2-Chloroethyl)ether
Concen: 3.521 ng
RT: 7.279 min Scan# 714
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

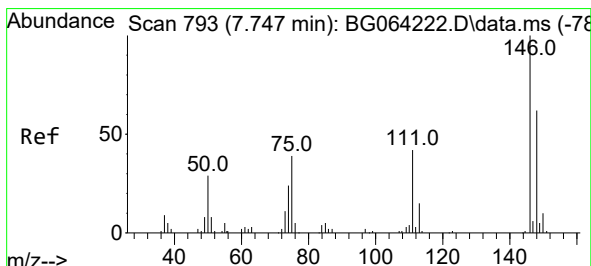
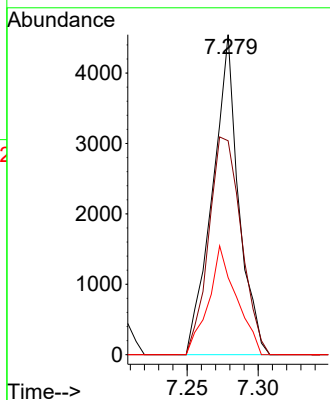
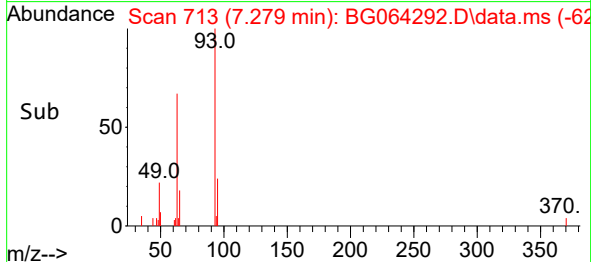
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 93 Resp: 580
Ion Ratio Lower Upper
93 100
63 66.8 66.2 106.2
95 24.1 9.8 49.8

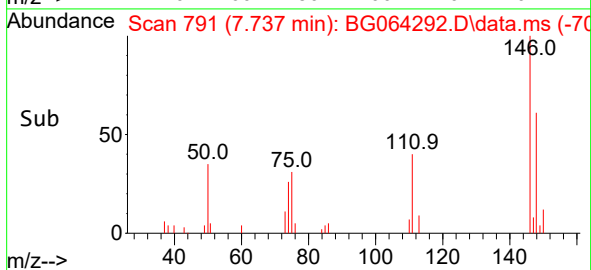
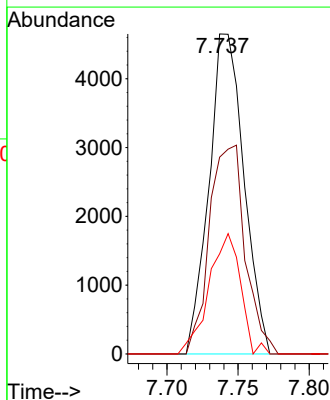
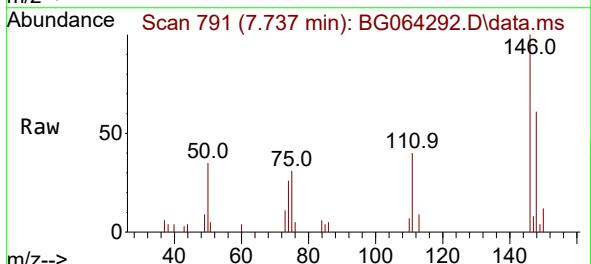
Manual Integrations
APPROVED

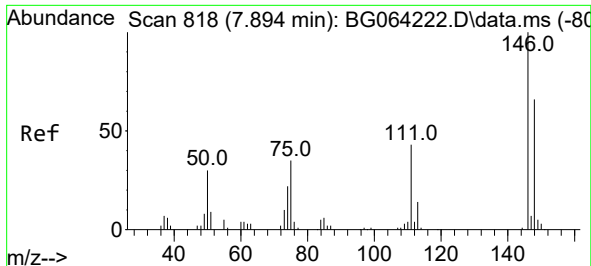
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#12
1,3-Dichlorobenzene
Concen: 4.224 ng
RT: 7.737 min Scan# 791
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:146 Resp: 7957
Ion Ratio Lower Upper
146 100
148 61.5 49.6 74.4
75 31.3 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 4.153 ng

RT: 7.884 min Scan# 818

Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

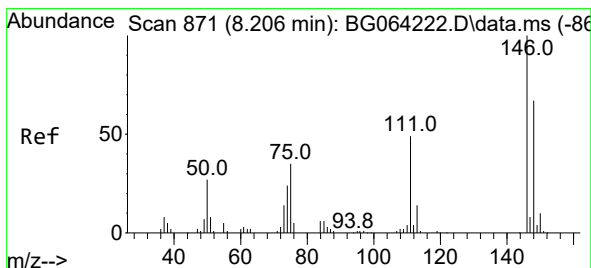
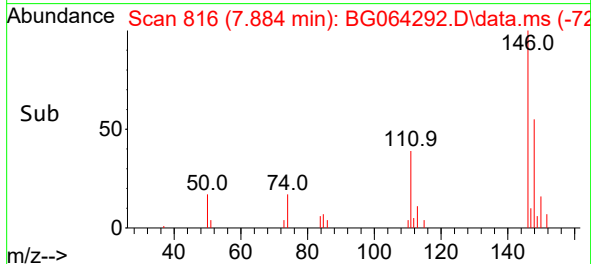
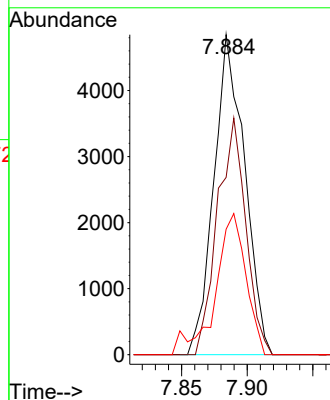
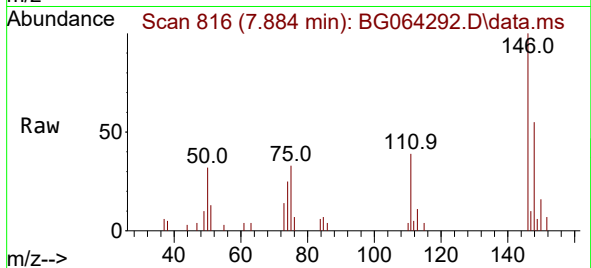
Tgt Ion:146 Resp: 789
 Ion Ratio Lower Upper
 146 100
 148 55.4 52.8 79.2
 111 39.2 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#14

1,2-Dichlorobenzene

Concen: 4.363 ng

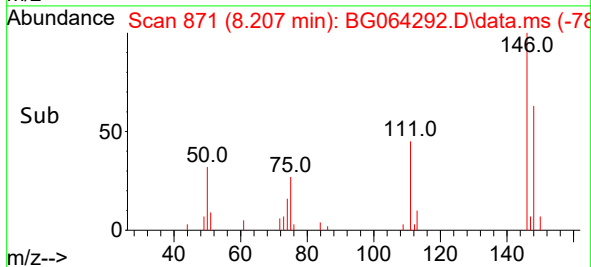
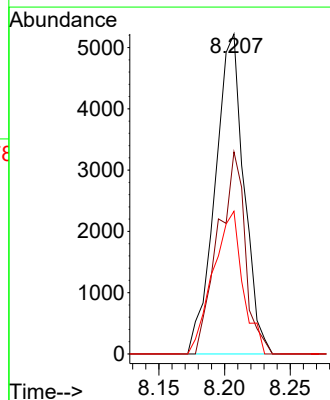
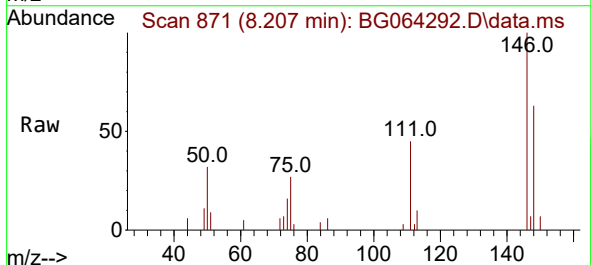
RT: 8.207 min Scan# 871

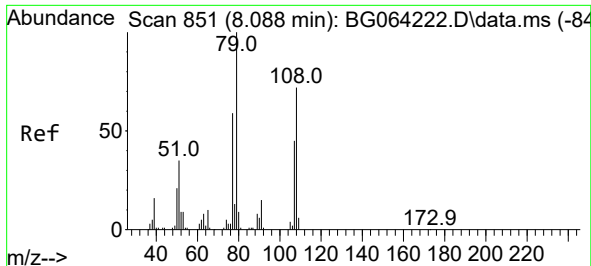
Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

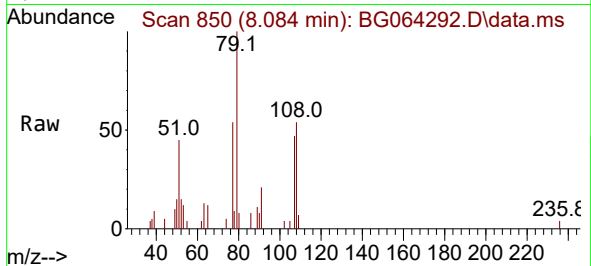
Tgt Ion:146 Resp: 8005
 Ion Ratio Lower Upper
 146 100
 148 63.2 53.4 80.0
 111 44.6 39.1 58.7





#15
Benzyl Alcohol
Concen: 3.725 ng
RT: 8.084 min Scan# 801
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

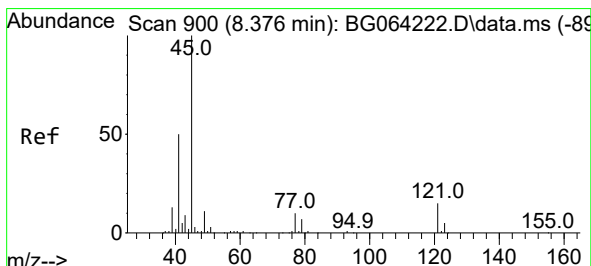
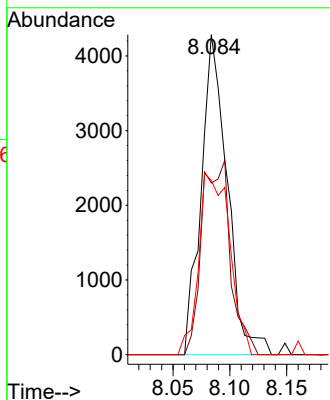
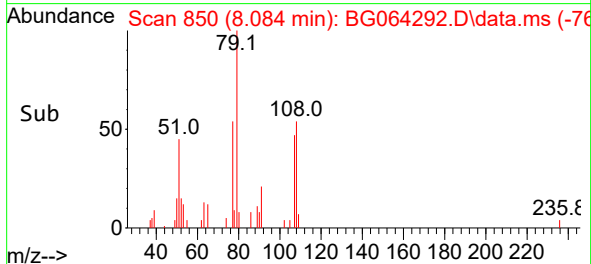
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 79 Resp: 6844
Ion Ratio Lower Upper
79 100
108 53.7 57.4 86.0
77 54.5 47.2 70.8

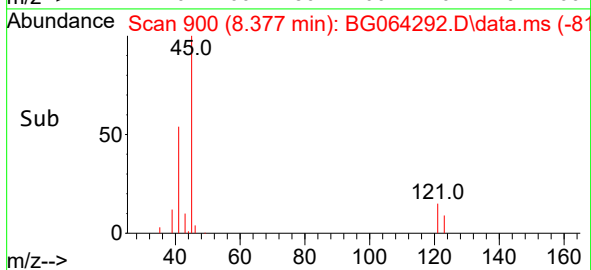
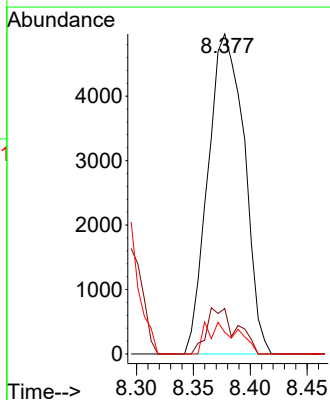
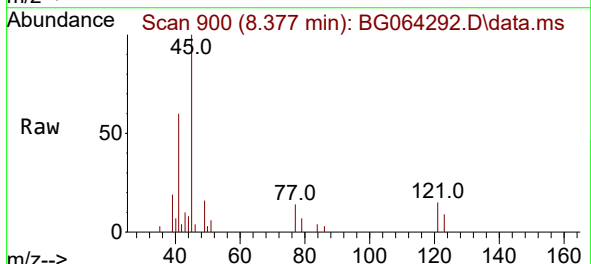
Manual Integrations
APPROVED

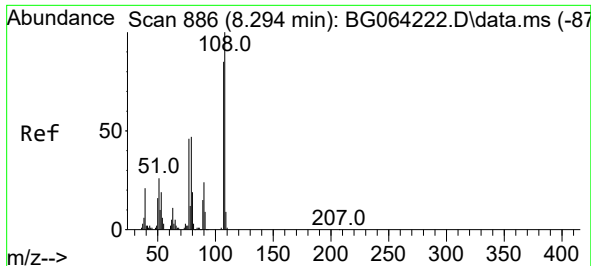
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.919 ng
RT: 8.377 min Scan# 900
Delta R.T. 0.001 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

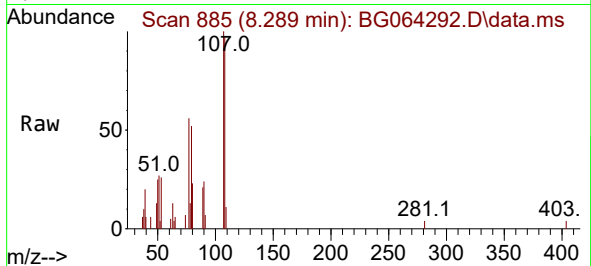
Tgt Ion: 45 Resp: 10992
Ion Ratio Lower Upper
45 100
77 14.2 0.0 30.0
79 6.8 0.0 27.9





#17
2-Methylphenol
Concen: 3.494 ng
RT: 8.289 min Scan# 811
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

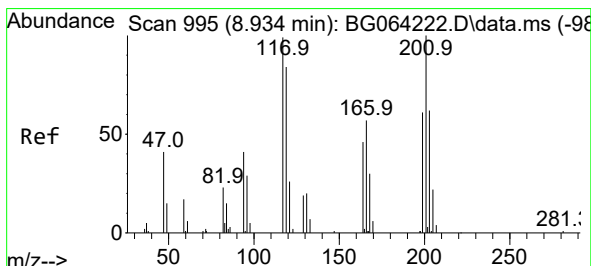
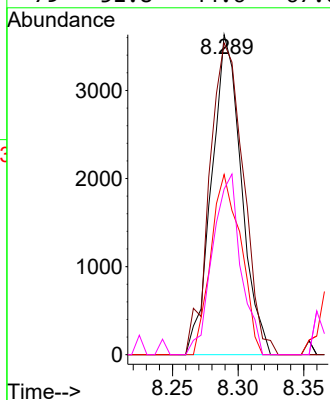
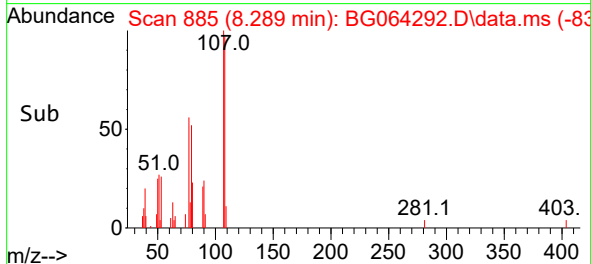
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:	107	Resp:	5710
Ion	Ratio	Lower	Upper
107	100		
108	97.4	94.6	141.8
77	56.3	43.7	65.5
79	51.8	44.6	67.0

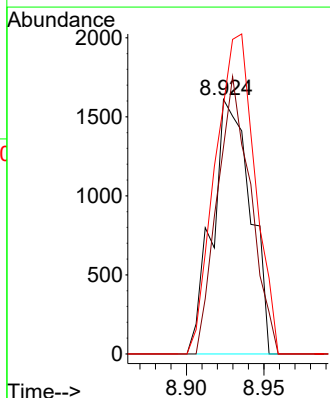
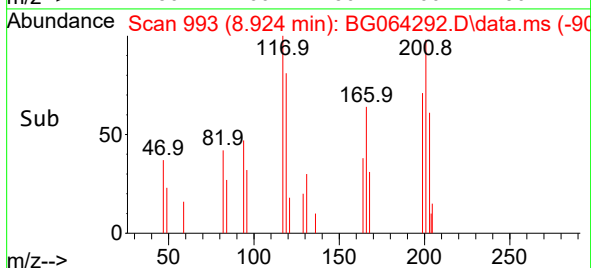
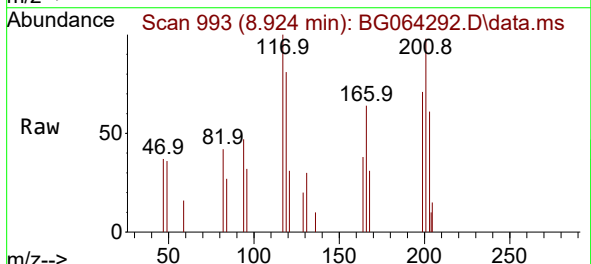
Manual Integrations
APPROVED

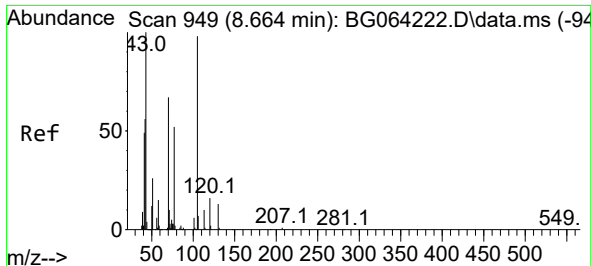
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#18
Hexachloroethane
Concen: 3.711 ng
RT: 8.924 min Scan# 993
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

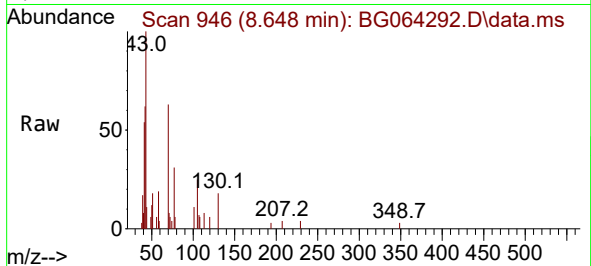
Tgt Ion:	117	Resp:	2754
Ion	Ratio	Lower	Upper
117	100		
119	81.2	67.9	101.9
201	97.8	80.5	120.7





#19
n-Nitroso-di-n-propylamine
Concen: 3.502 ng
RT: 8.648 min Scan# 946
Delta R.T. -0.016 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

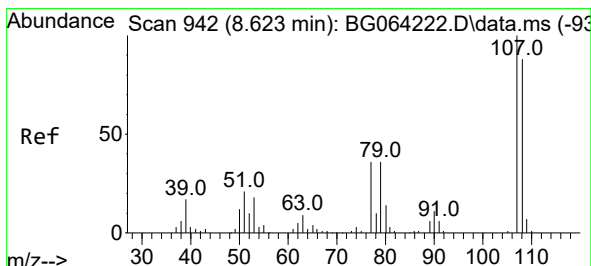
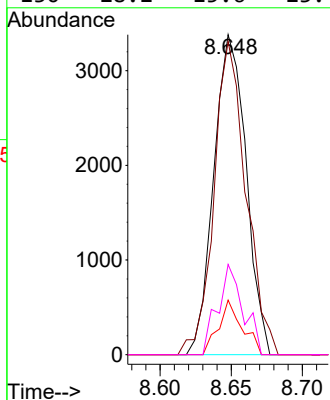
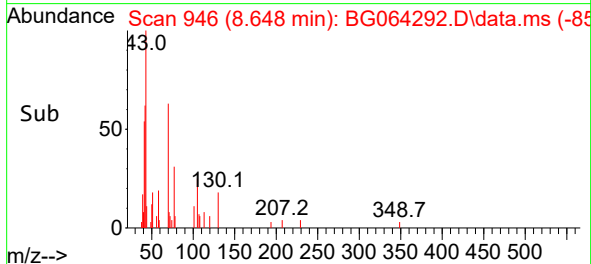
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



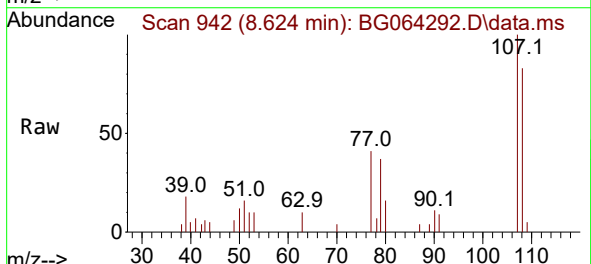
Tgt Ion: 70 Resp: 5330
Ion Ratio Lower Upper
70 100
42 97.9 67.9 101.9
101 17.1 7.3 10.9
130 28.2 15.6 23.4#

Manual Integrations
APPROVED

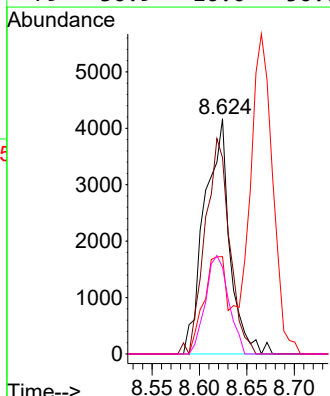
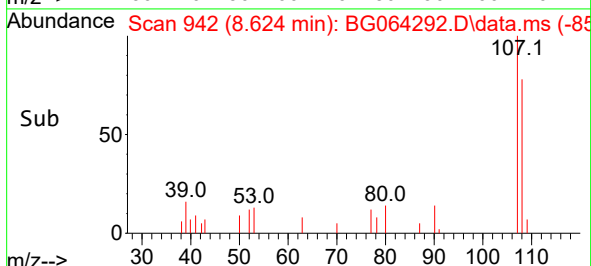
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

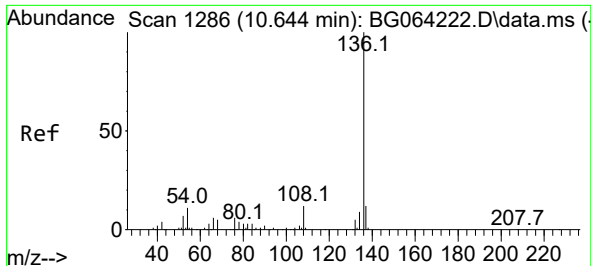


#20
3+4-Methylphenols
Concen: 3.396 ng
RT: 8.624 min Scan# 942
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



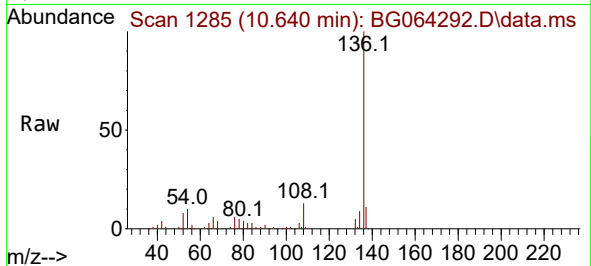
Tgt Ion:107 Resp: 7719
Ion Ratio Lower Upper
107 100
108 83.4 68.1 108.1
77 41.4 15.9 55.9
79 36.9 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 11533
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

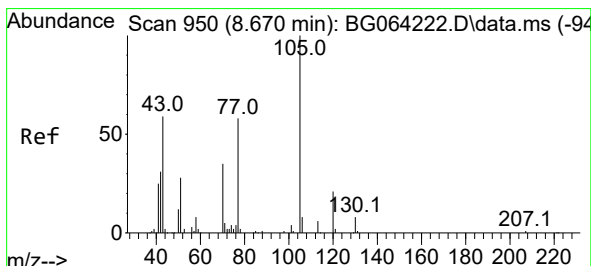
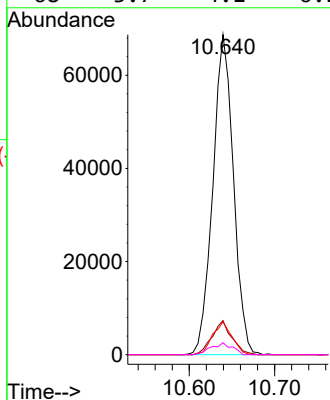
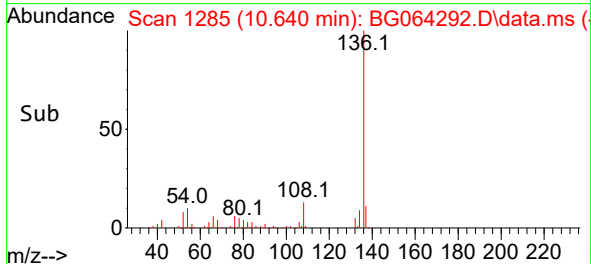
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:136 Resp: 11533
Ion Ratio Lower Upper
136 100
137 10.7 9.6 14.4
54 10.2 8.8 13.2
68 3.7 4.1 6.1#

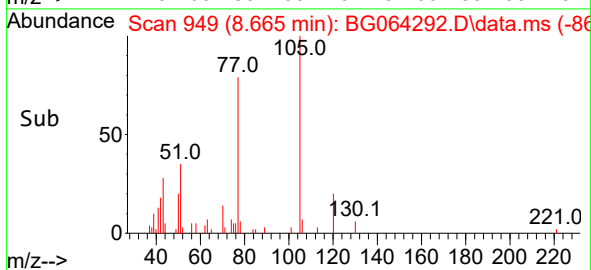
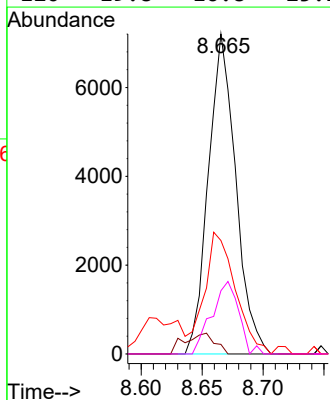
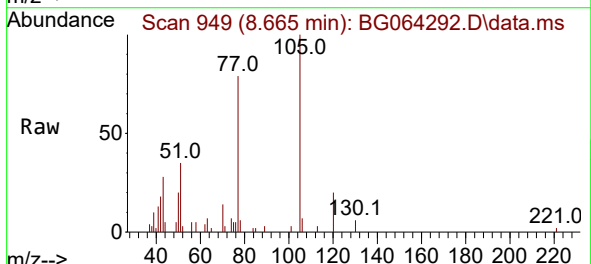
Manual Integrations
APPROVED

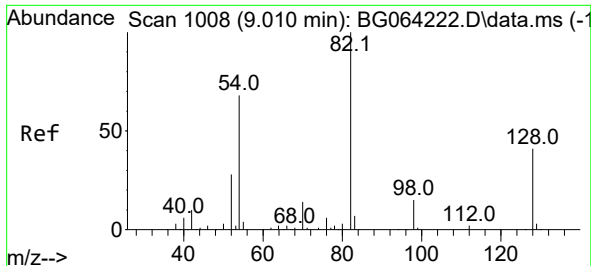
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#22
Acetophenone
Concen: 3.863 ng
RT: 8.665 min Scan# 949
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:105 Resp: 11271
Ion Ratio Lower Upper
105 100
71 3.0 4.3 6.5#
51 35.5 32.4 48.6
120 19.8 16.8 25.2





#23

Nitrobenzene-d5

Concen: 91.149 ng

RT: 9.006 min Scan# 1007

Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 18850

Ion Ratio Lower Upper

82 100

128 40.3 32.6 48.8

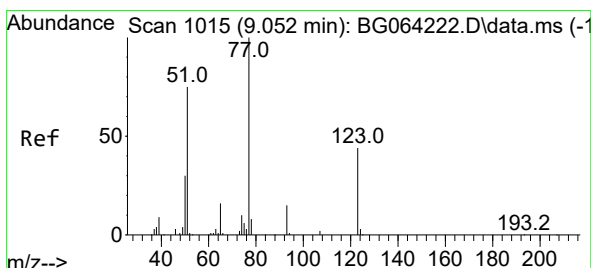
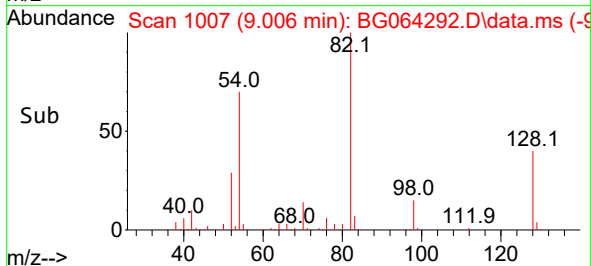
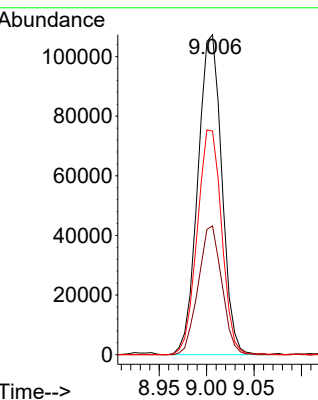
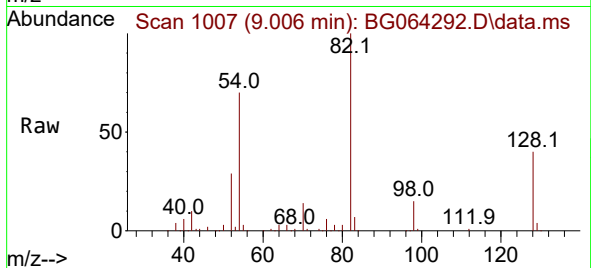
54 69.9 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#24

Nitrobenzene

Concen: 4.026 ng

RT: 9.041 min Scan# 1013

Delta R.T. -0.016 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

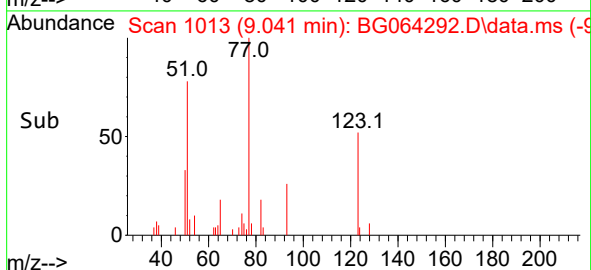
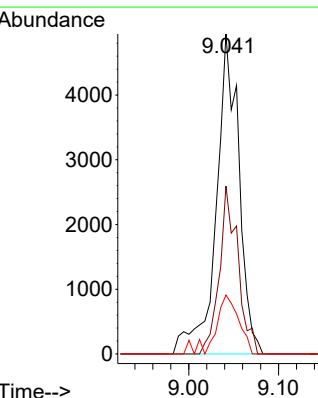
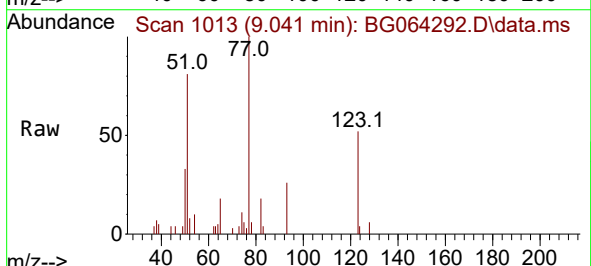
Tgt Ion: 77 Resp: 8700

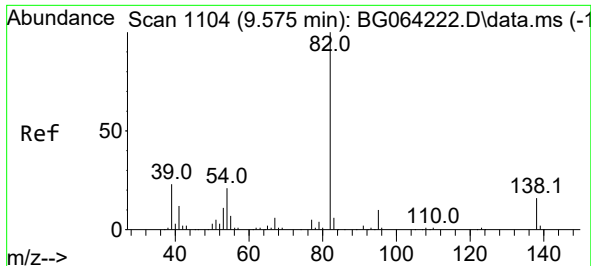
Ion Ratio Lower Upper

77 100

123 52.5 35.2 52.8

65 18.4 12.6 19.0





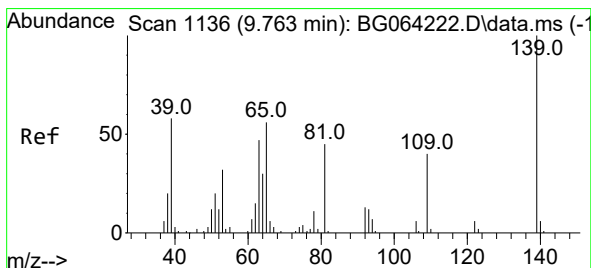
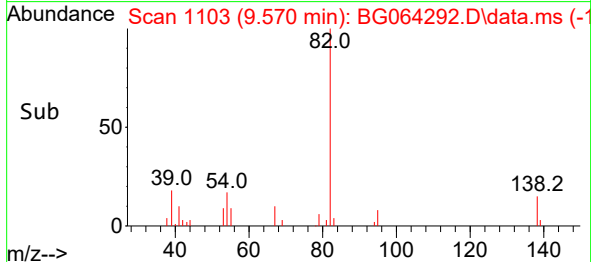
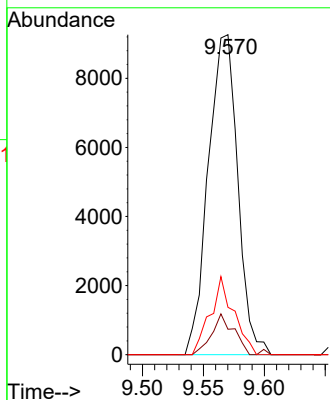
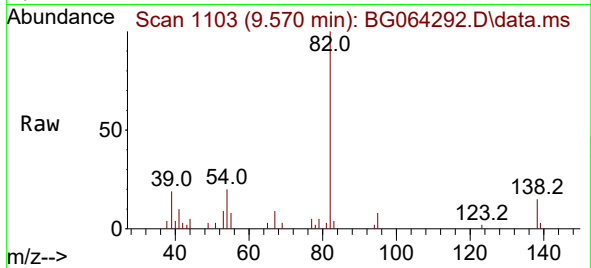
#25
Isophorone
Concen: 3.625 ng
RT: 9.570 min Scan# 1104
Delta R.T. -0.016 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

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

Tgt Ion: 82 Resp: 1558
Ion Ratio Lower Upper
82 100
95 7.9 7.9 11.9
138 14.8 13.0 19.4

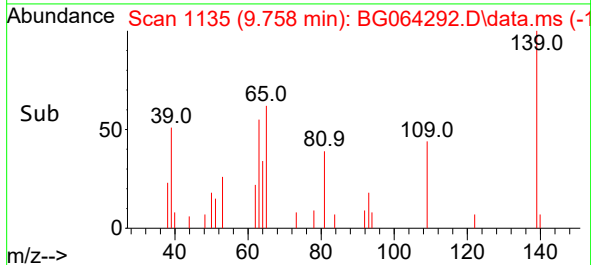
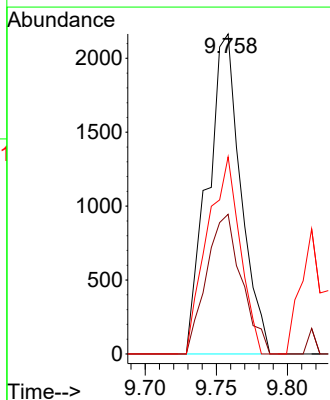
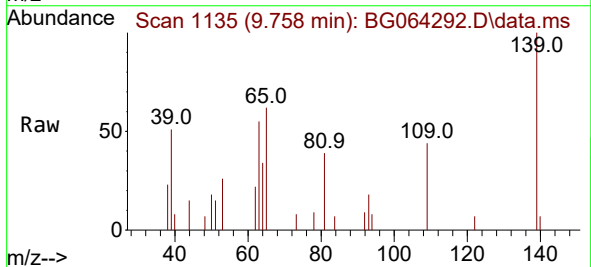
Manual Integrations
APPROVED

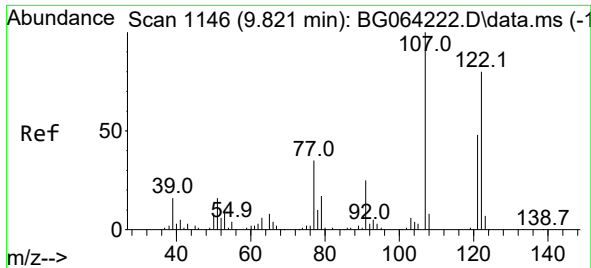
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#26
2-Nitrophenol
Concen: 3.770 ng
RT: 9.758 min Scan# 1135
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

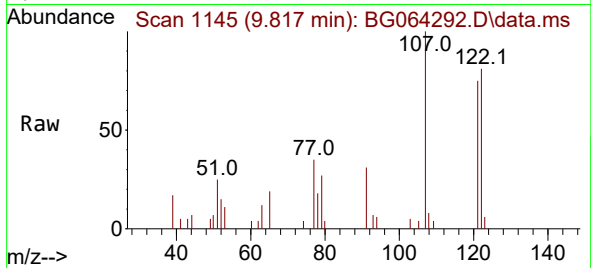
Tgt Ion:139 Resp: 3520
Ion Ratio Lower Upper
139 100
109 43.6 32.4 48.6
65 61.6 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 4.012 ng
RT: 9.817 min Scan# 1145
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

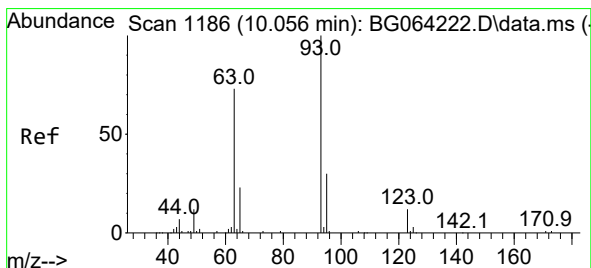
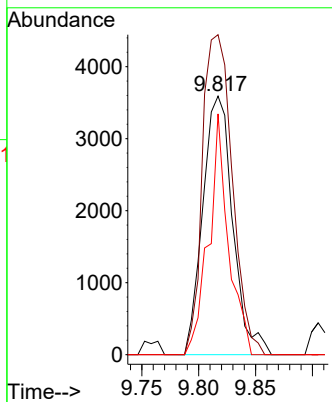
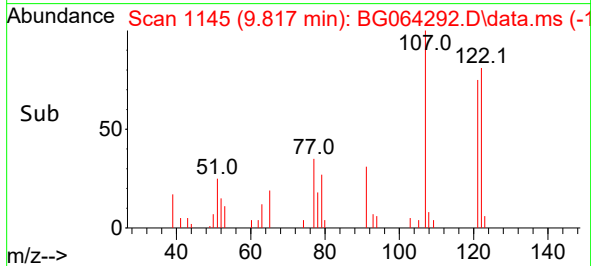
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:122 Resp: 657
Ion Ratio Lower Upper
122 100
107 123.7 99.9 149.9
121 93.2 48.6 72.8

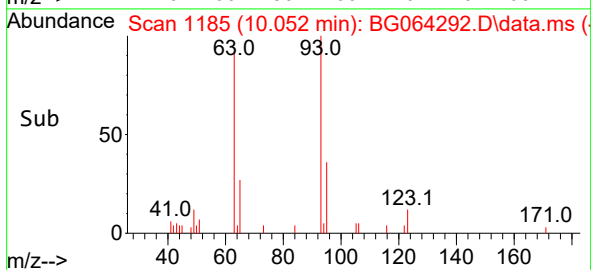
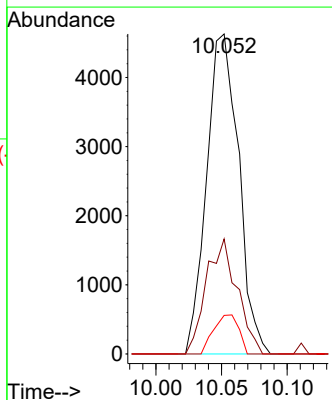
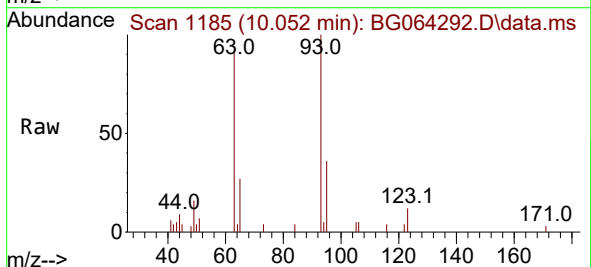
Manual Integrations
APPROVED

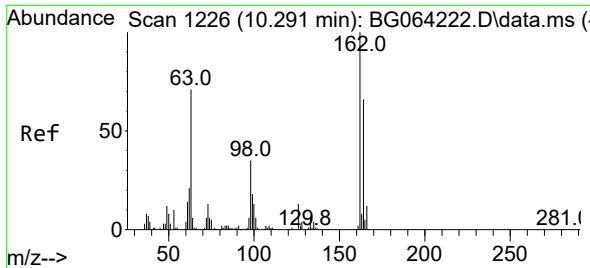
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#28
bis(2-Chloroethoxy)methane
Concen: 3.385 ng
RT: 10.052 min Scan# 1185
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

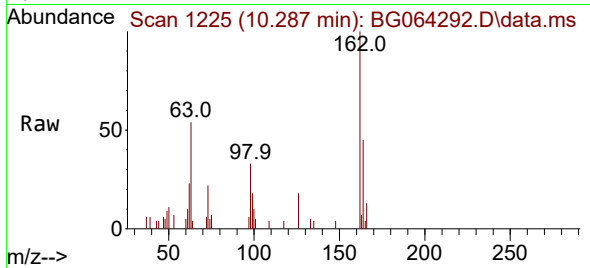
Tgt Ion: 93 Resp: 7845
Ion Ratio Lower Upper
93 100
95 36.0 23.9 35.9#
123 12.0 9.6 14.4





#29
2,4-Dichlorophenol
Concen: 3.820 ng
RT: 10.287 min Scan# 1225
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

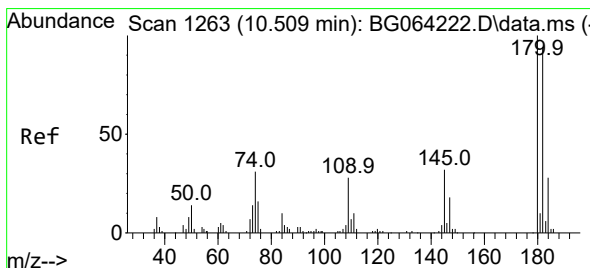
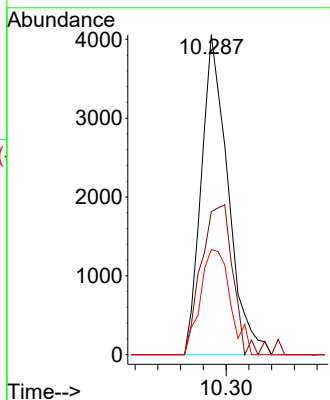
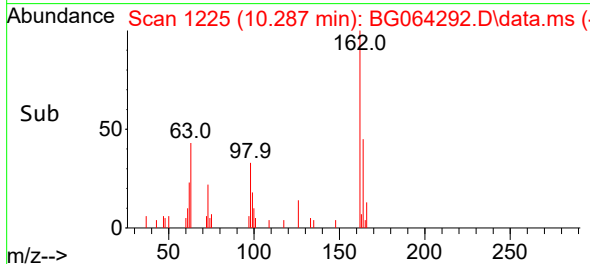
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:162 Resp: 660
Ion Ratio Lower Upper
162 100
164 44.7 45.8 85.8
98 32.8 15.2 55.2

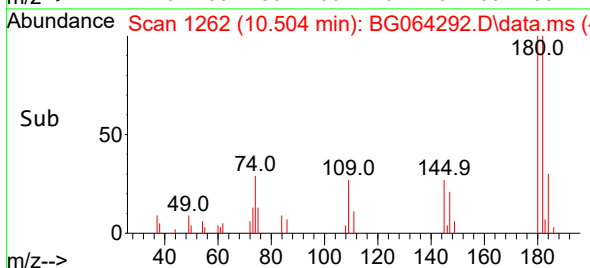
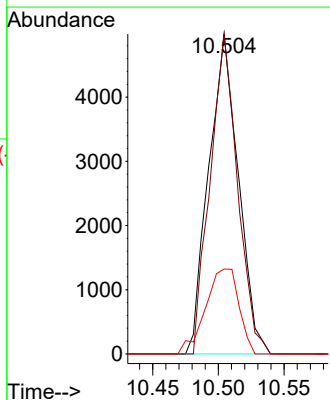
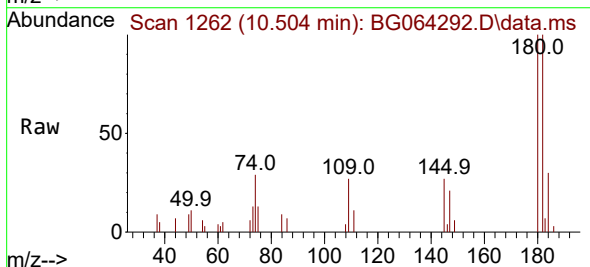
Manual Integrations
APPROVED

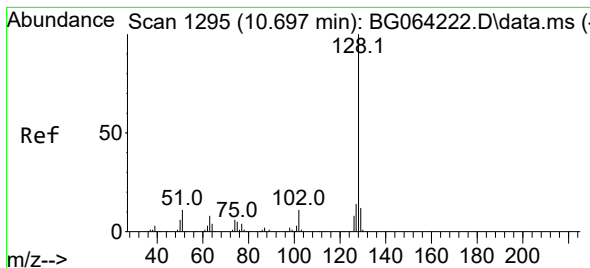
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#30
1,2,4-Trichlorobenzene
Concen: 4.290 ng
RT: 10.504 min Scan# 1262
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

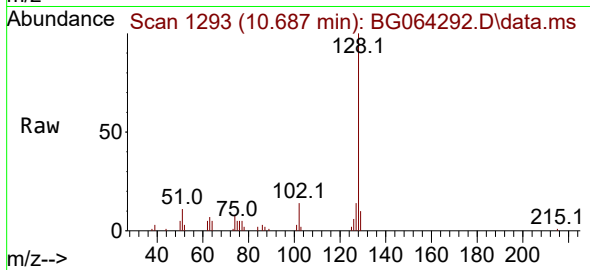
Tgt Ion:180 Resp: 7824
Ion Ratio Lower Upper
180 100
182 99.9 75.0 112.6
145 26.5 25.4 38.0





#31
Naphthalene
Concen: 3.901 ng
RT: 10.687 min Scan# 1162
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

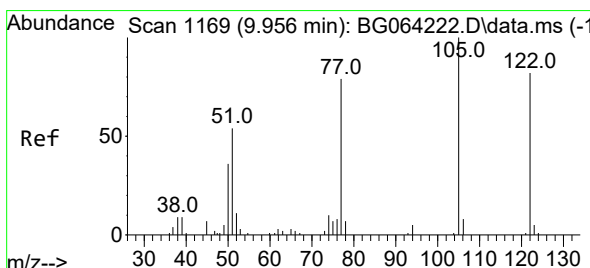
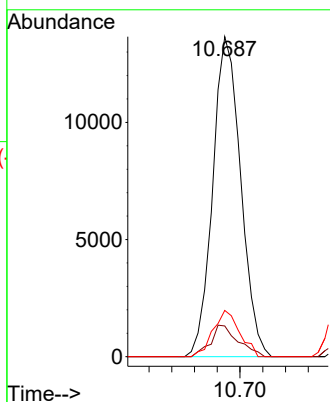
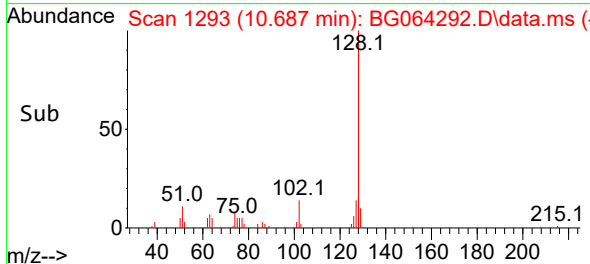
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:128 Resp: 2333
Ion Ratio Lower Upper
128 100
129 9.6 9.4 14.2
127 14.5 10.9 16.3

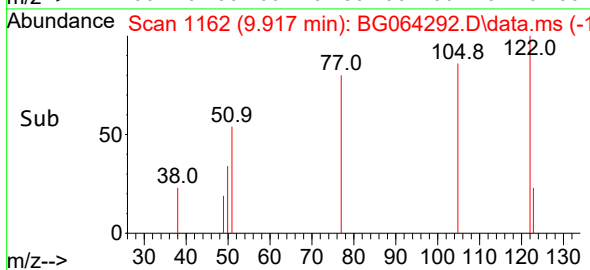
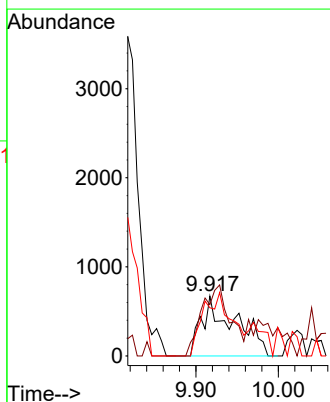
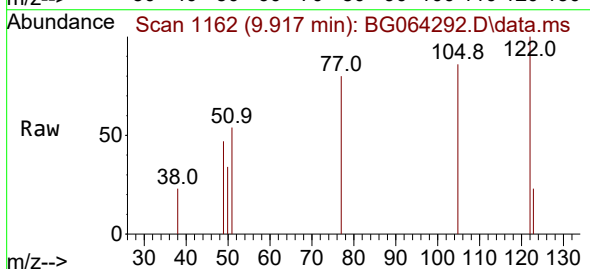
Manual Integrations
APPROVED

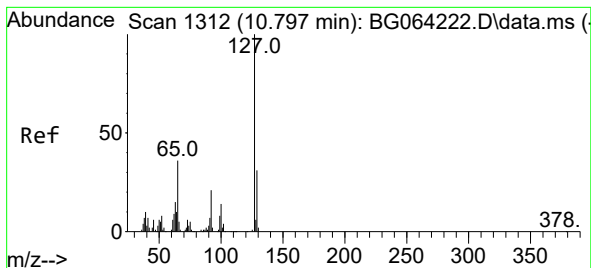
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#32
Benzoic acid
Concen: 1.460 ng m
RT: 9.917 min Scan# 1162
Delta R.T. -0.099 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

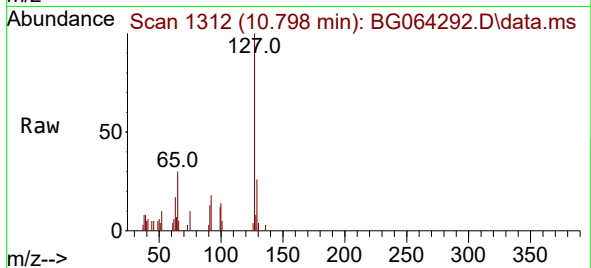
Tgt Ion:122 Resp: 1900
Ion Ratio Lower Upper
122 100
105 85.7 98.5 138.5#
77 80.4 74.6 114.6





#33
4-Chloroaniline
Concen: 3.947 ng
RT: 10.798 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

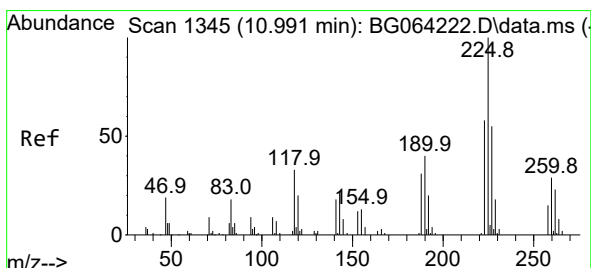
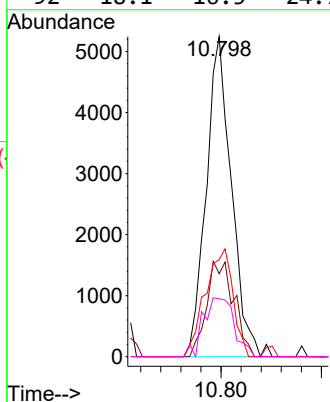
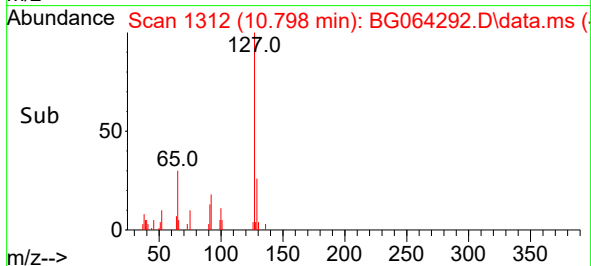
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2025



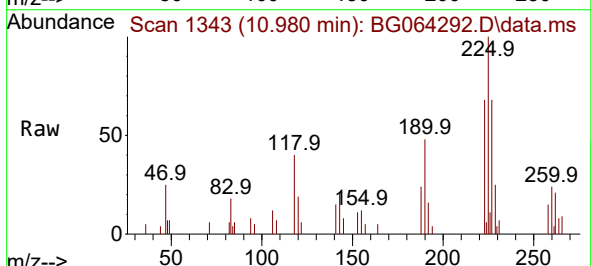
Tgt Ion:	127	Resp:	9150
Ion	Ratio	Lower	Upper
127	100		
129	25.9	25.0	37.4
65	30.3	28.7	43.1
92	18.1	16.5	24.7

Manual Integrations
APPROVED

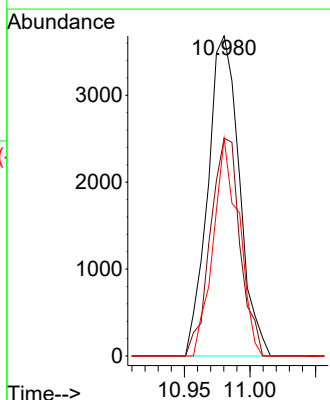
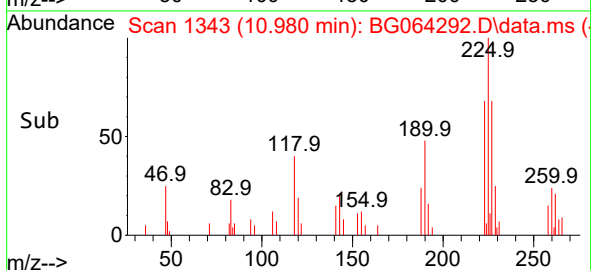
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

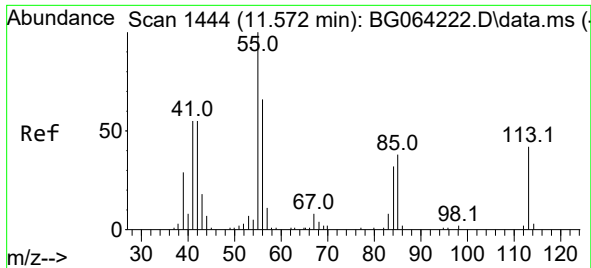


#34
Hexachlorobutadiene
Concen: 4.556 ng
RT: 10.980 min Scan# 1343
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



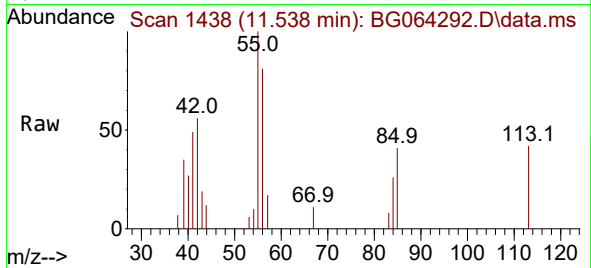
Tgt Ion:	225	Resp:	6141
Ion	Ratio	Lower	Upper
225	100		
223	68.0	46.5	69.7
227	68.0	44.1	66.1#





#35
Caprolactam
Concen: 3.448 ng
RT: 11.538 min Scan# 1444
Delta R.T. -0.063 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

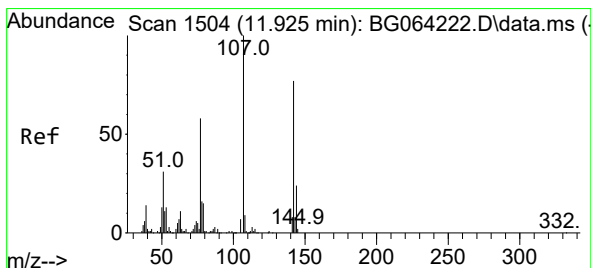
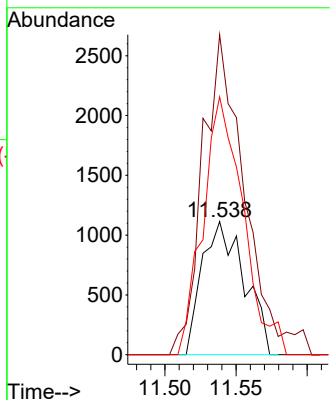
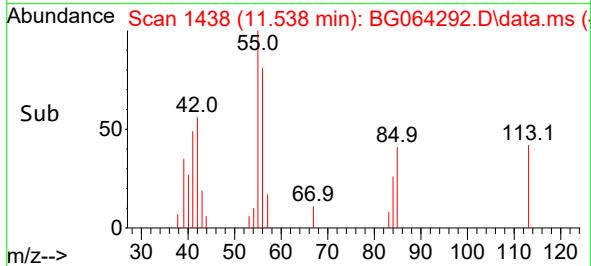
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:113 Resp: 2309
Ion Ratio Lower Upper
113 100
55 240.2 218.5 258.5
56 193.4 138.5 178.5

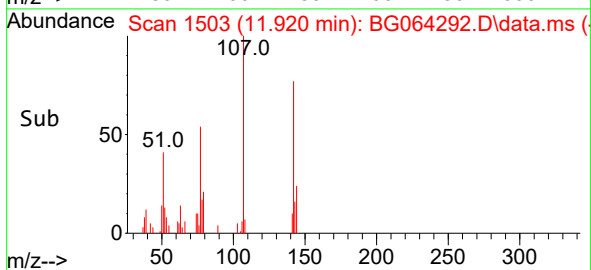
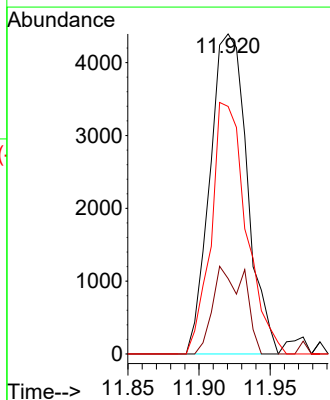
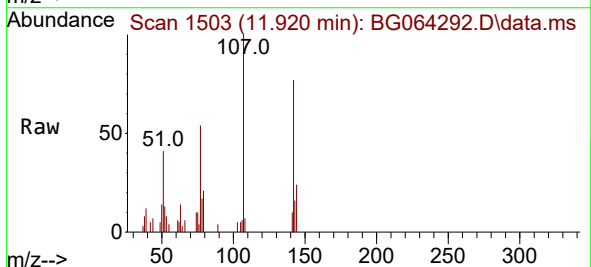
Manual Integrations
APPROVED

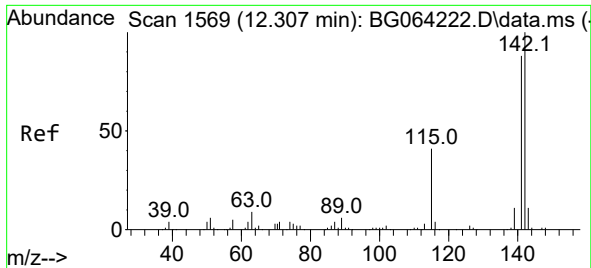
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#36
4-Chloro-3-methylphenol
Concen: 3.578 ng
RT: 11.920 min Scan# 1503
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

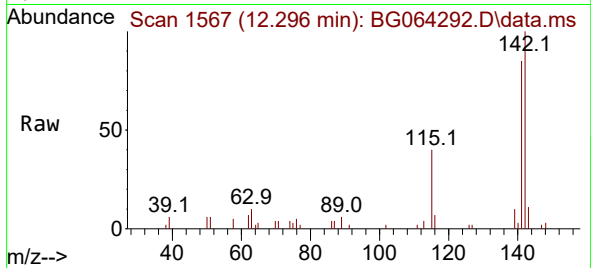
Tgt Ion:107 Resp: 8030
Ion Ratio Lower Upper
107 100
144 23.5 19.5 29.3
142 77.3 62.0 93.0





#37
2-Methylnaphthalene
Concen: 3.410 ng
RT: 12.296 min Scan# 1569
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

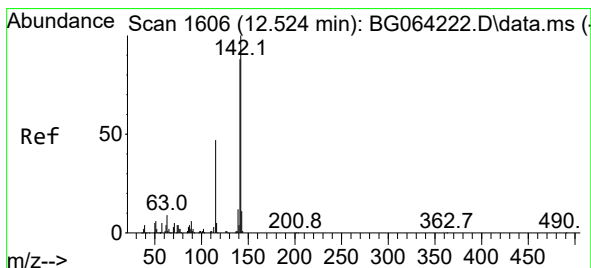
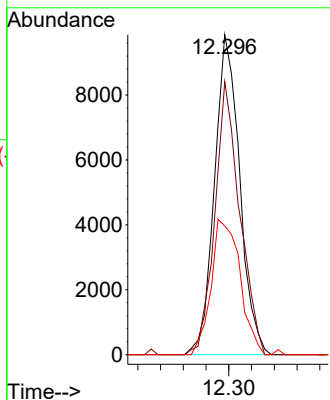
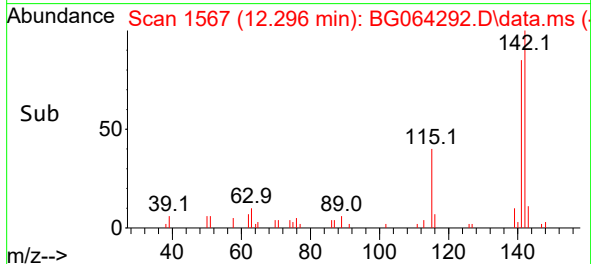
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:142 Resp: 1515
Ion Ratio Lower Upper
142 100
141 85.3 70.1 105.1
115 40.2 33.1 49.7

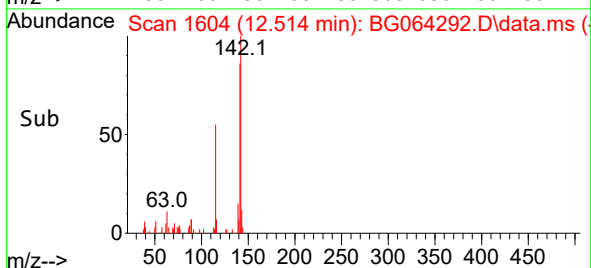
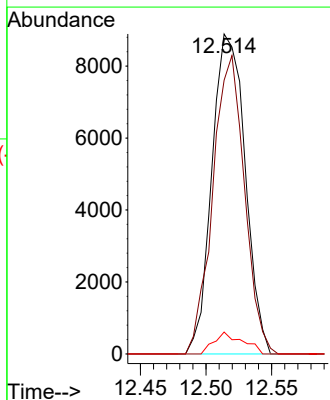
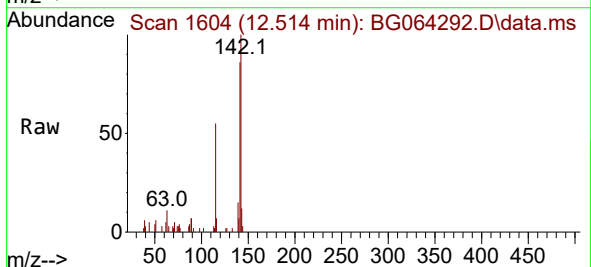
Manual Integrations
APPROVED

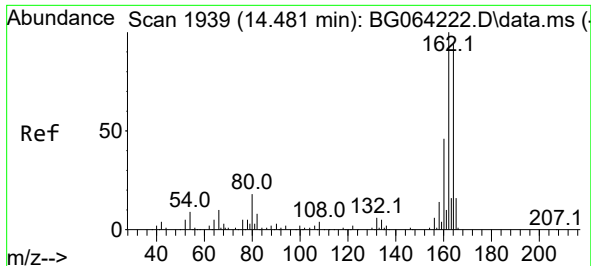
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#38
1-Methylnaphthalene
Concen: 3.565 ng
RT: 12.514 min Scan# 1604
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

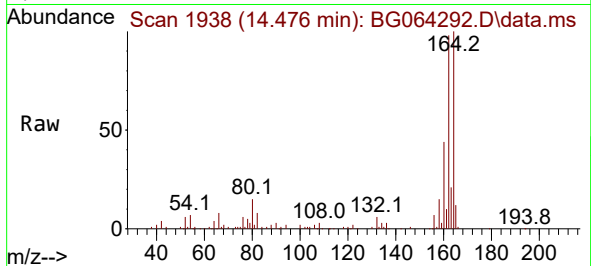
Tgt Ion:142 Resp: 15652
Ion Ratio Lower Upper
142 100
141 85.6 70.3 105.5
116 6.9 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.476 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

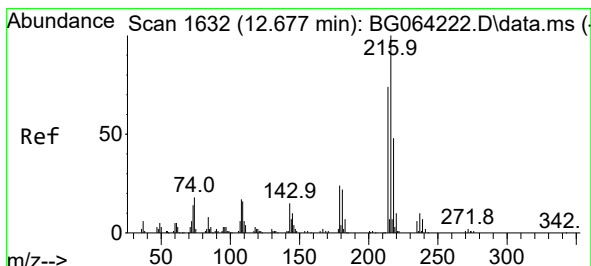
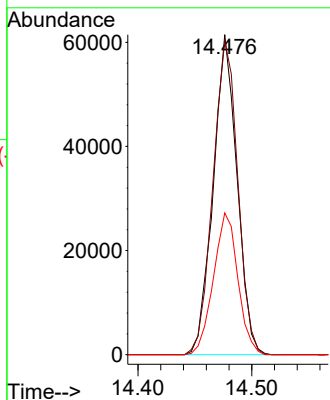
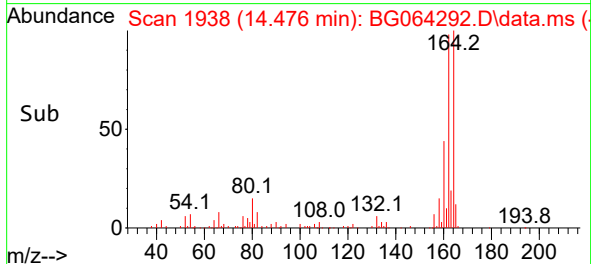
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:164 Resp: 89399
Ion Ratio Lower Upper
164 100
162 98.1 85.4 128.0
160 44.3 39.2 58.8

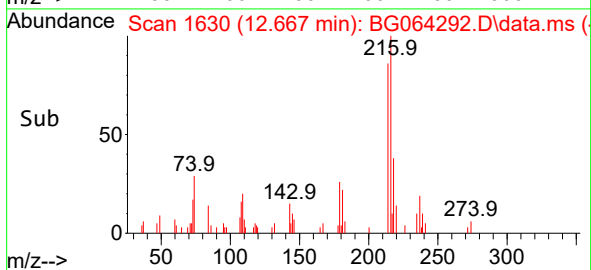
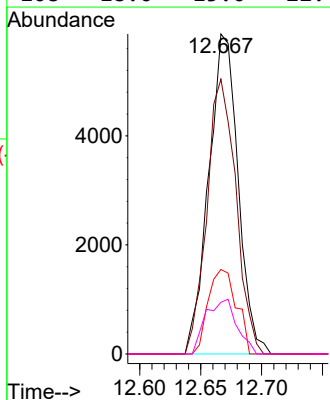
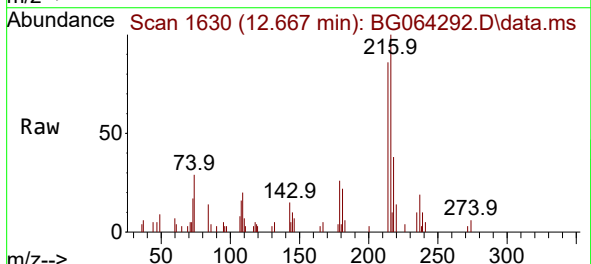
Manual Integrations
APPROVED

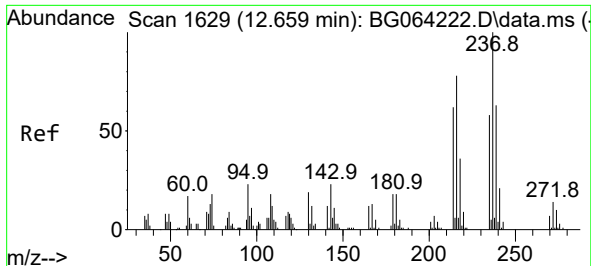
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.824 ng
RT: 12.667 min Scan# 1630
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

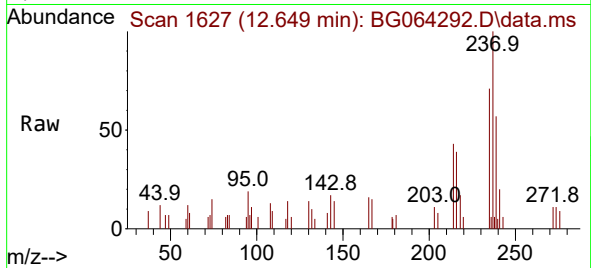
Tgt Ion:216 Resp: 9863
Ion Ratio Lower Upper
216 100
214 84.7 61.9 92.9
179 25.4 17.9 26.9
108 18.0 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 4.301 ng
RT: 12.649 min Scan# 1627
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

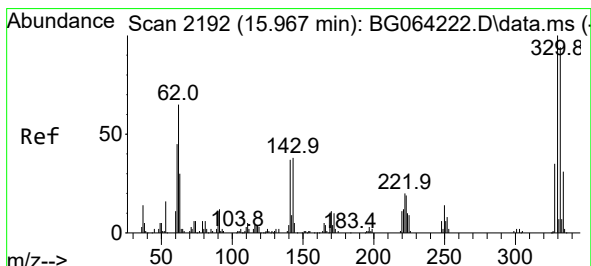
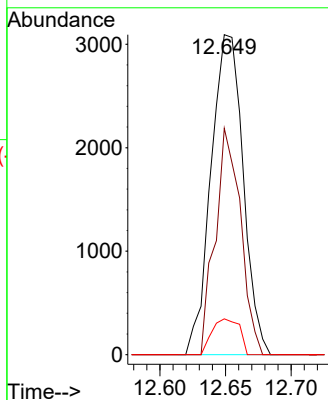
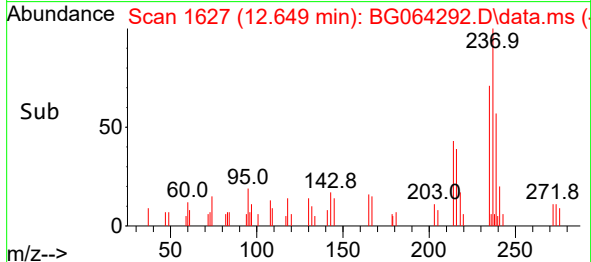
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:237 Resp: 527
Ion Ratio Lower Upper
237 100
235 70.8 37.9 77.9
272 11.2 0.0 33.8

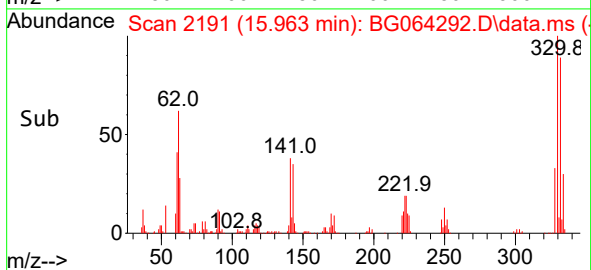
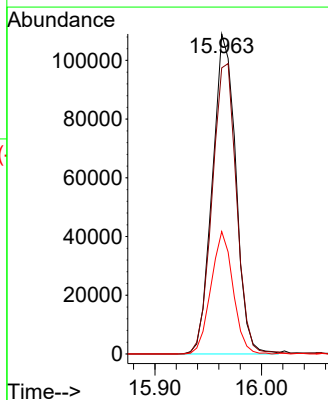
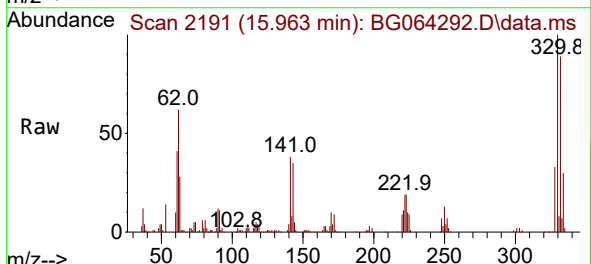
Manual Integrations
APPROVED

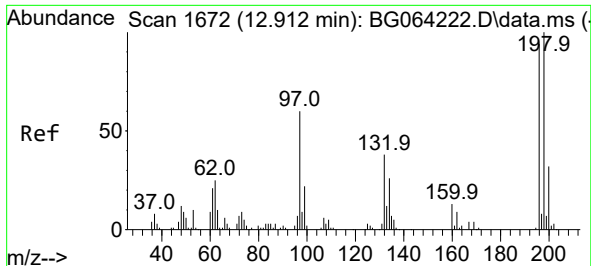
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#42
2,4,6-Tribromophenol
Concen: 139.963 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:330 Resp: 165735
Ion Ratio Lower Upper
330 100
332 94.5 77.6 116.4
141 36.1 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 3.770 ng m

RT: 12.913 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG064292.D

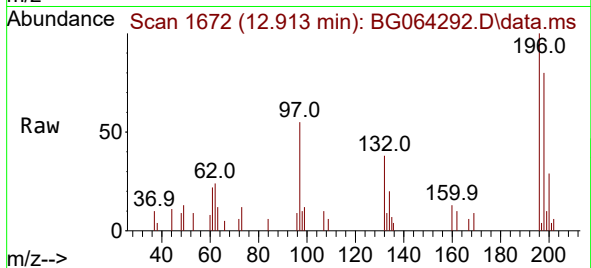
Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:196 Resp: 6500

Ion Ratio Lower Upper

196 100

198 79.7 85.4 128.2

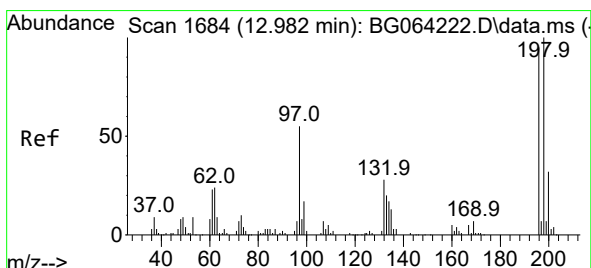
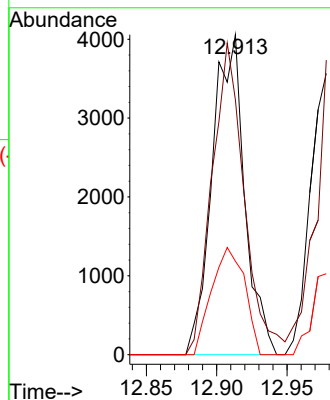
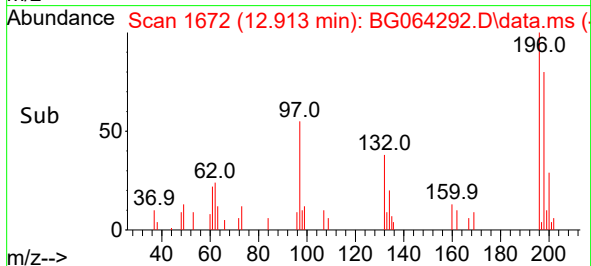
200 29.2 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#44

2,4,5-Trichlorophenol

Concen: 3.930 ng

RT: 12.984 min Scan# 1684

Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:196 Resp: 7350

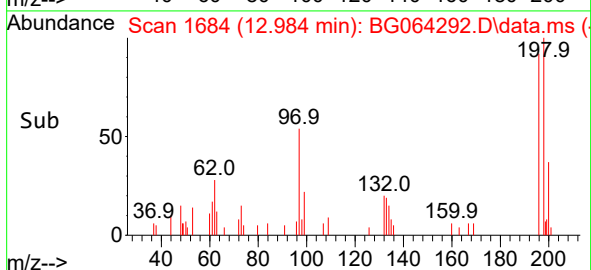
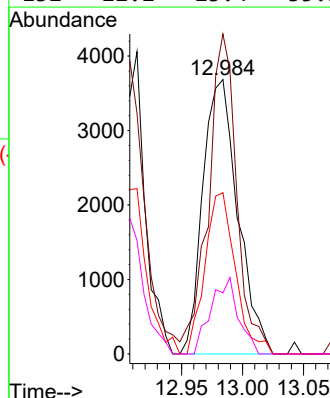
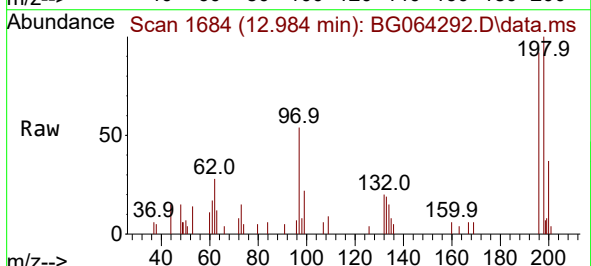
Ion Ratio Lower Upper

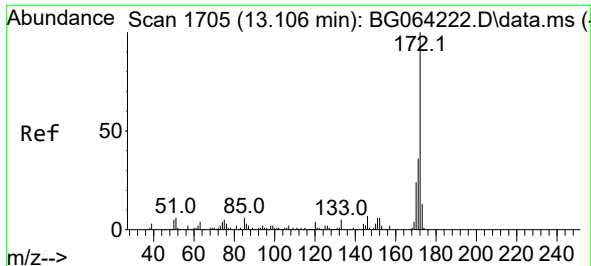
196 100

198 116.6 84.5 126.7

97 58.8 46.8 70.2

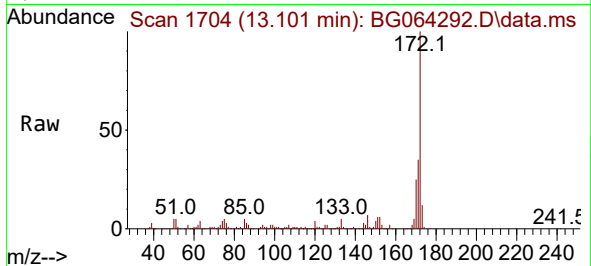
132 22.2 23.4 35.2#





#45
2-Fluorobiphenyl
Concen: 84.113 ng
RT: 13.101 min Scan# 1704
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

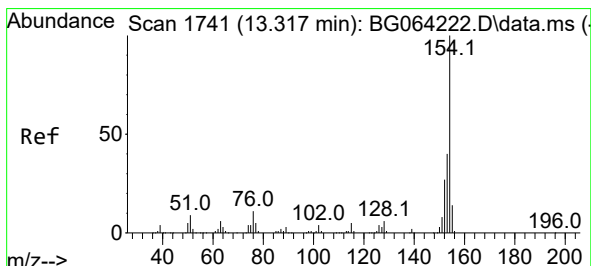
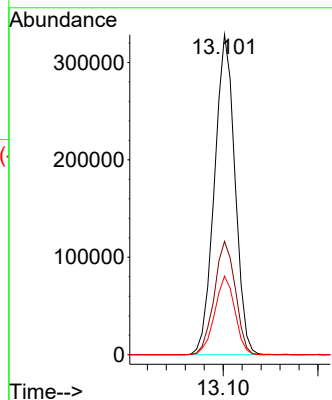
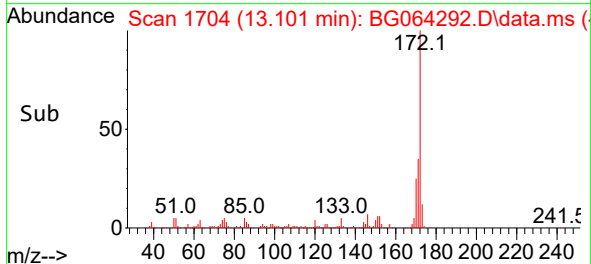
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



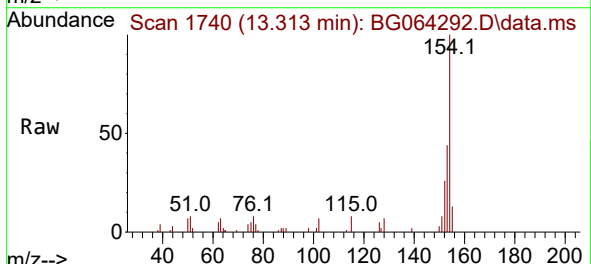
Tgt Ion:172 Resp: 492654
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 24.6 19.0 28.6

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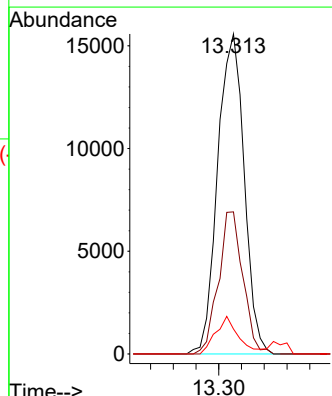
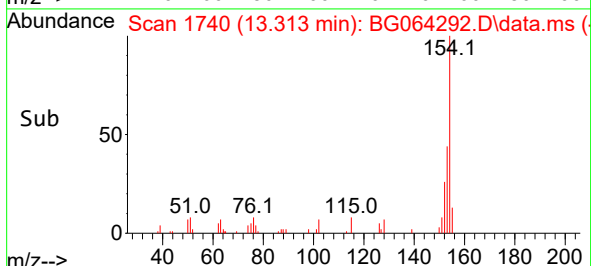
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

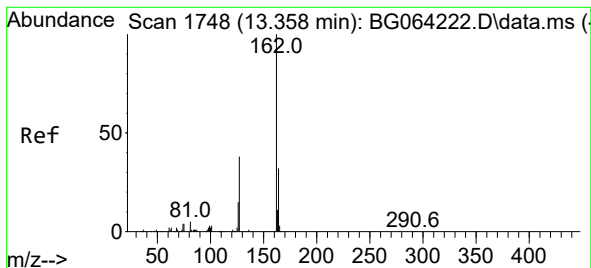


#46
1,1'-Biphenyl
Concen: 3.866 ng
RT: 13.313 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



Tgt Ion:154 Resp: 25176
Ion Ratio Lower Upper
154 100
153 44.4 19.9 59.9
76 7.8 0.0 30.9





#47

2-Chloronaphthalene

Concen: 3.746 ng

RT: 13.354 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

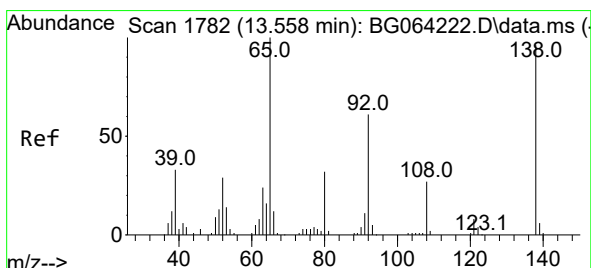
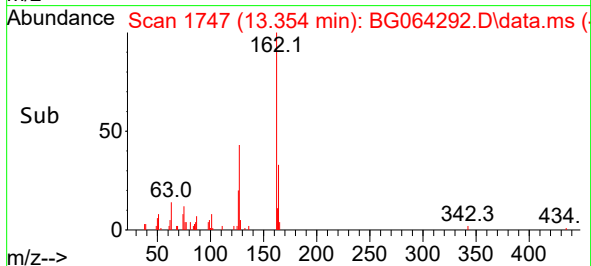
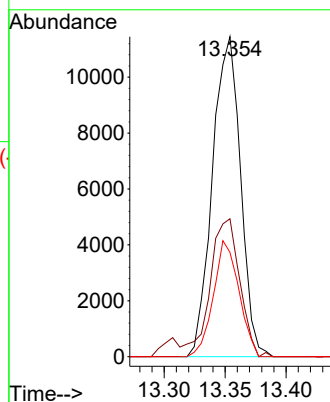
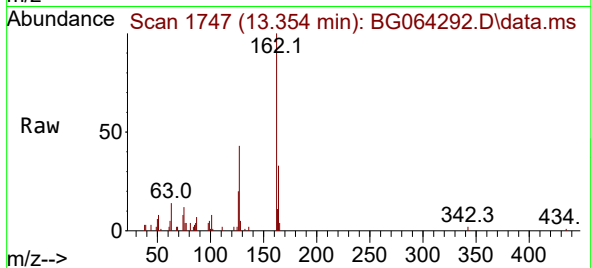
Tgt Ion:	162	Resp:	18330
Ion Ratio	Lower	Upper	
162	100		
127	43.1	33.9	50.9
164	32.6	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#48

2-Nitroaniline

Concen: 3.106 ng

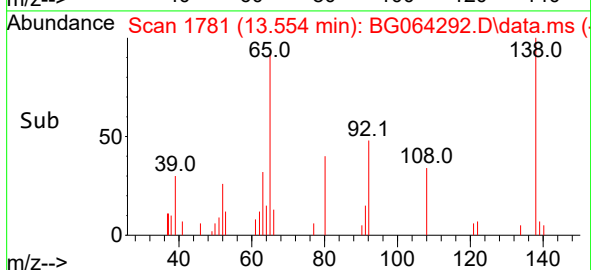
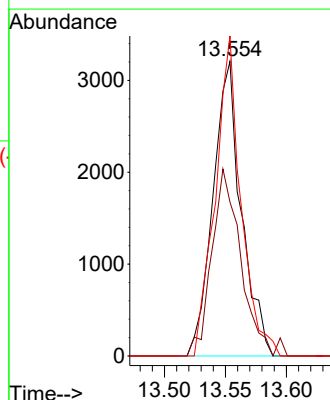
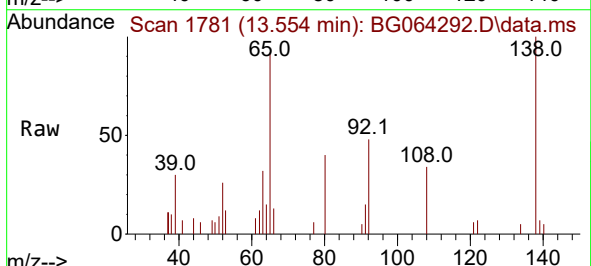
RT: 13.554 min Scan# 1781

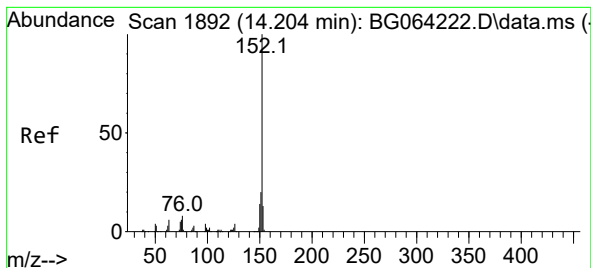
Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:	65	Resp:	5182
Ion Ratio	Lower	Upper	
65	100		
92	52.2	49.2	73.8
138	108.6	76.8	115.2





#49

Acenaphthylene

Concen: 4.230 ng

RT: 14.194 min Scan# 1890

Delta R.T. -0.010 min

Lab File: BG064292.D

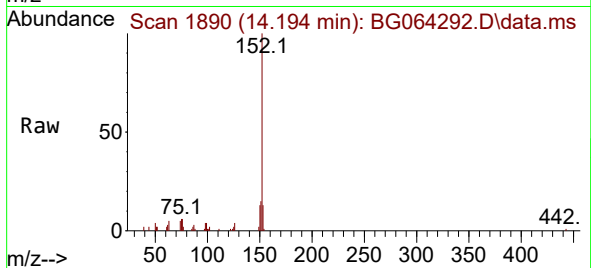
Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:152 Resp: 30608

Ion Ratio Lower Upper

152 100

151 14.5 16.2 24.2

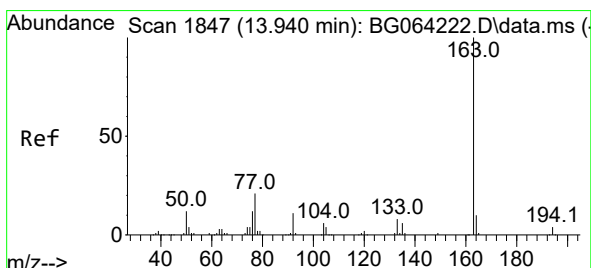
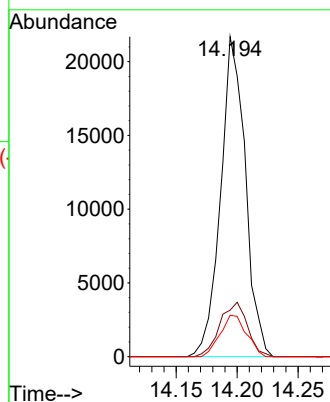
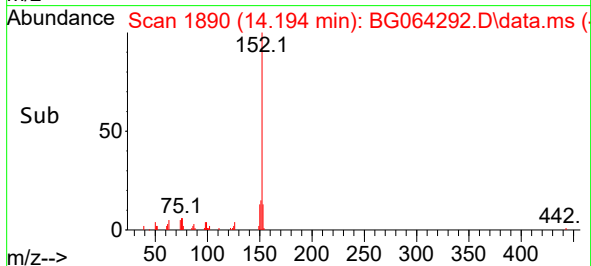
153 13.0 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#50

Dimethylphthalate

Concen: 3.794 ng

RT: 13.930 min Scan# 1845

Delta R.T. -0.016 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

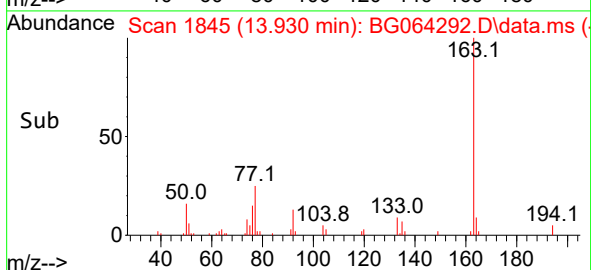
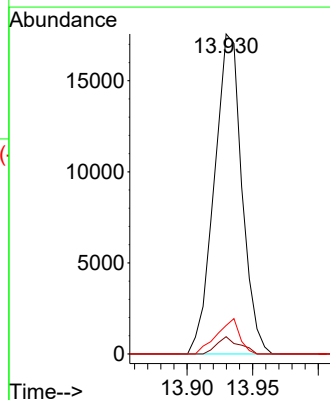
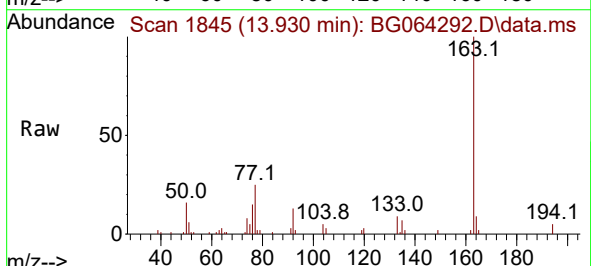
Tgt Ion:163 Resp: 25671

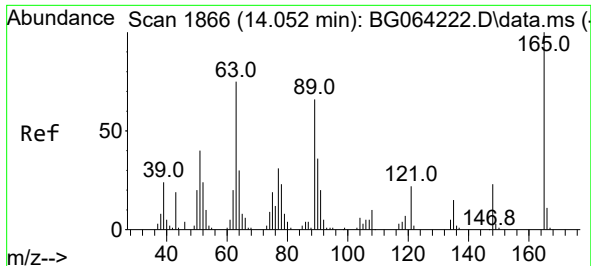
Ion Ratio Lower Upper

163 100

194 5.4 3.0 4.4

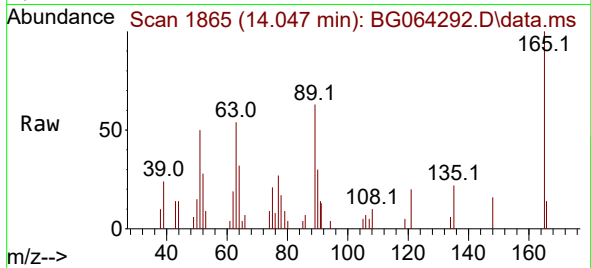
164 8.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 4.167 ng
RT: 14.047 min Scan# 1865
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

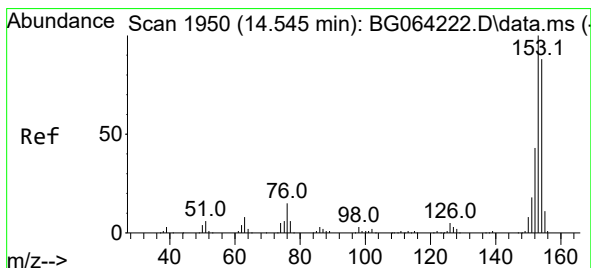
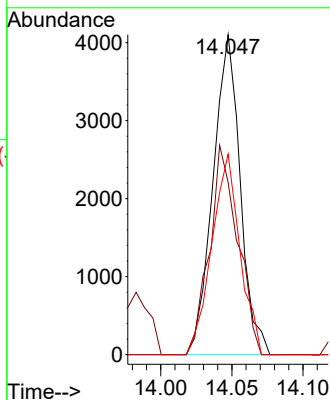
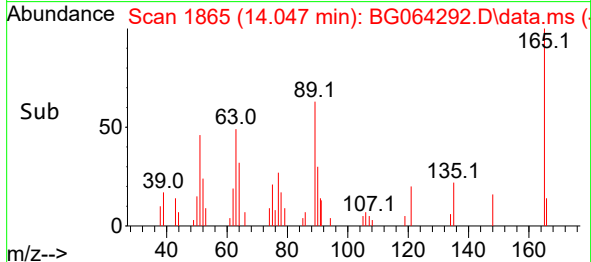
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 5459
Ion Ratio Lower Upper
165 100
63 53.8 60.3 90.5
89 62.6 52.9 79.3

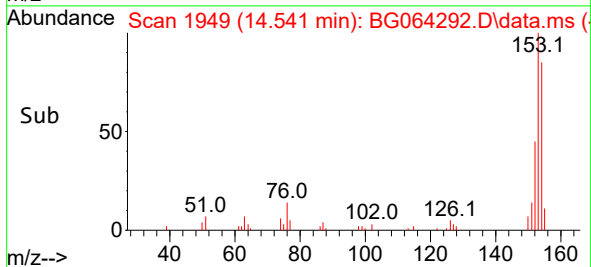
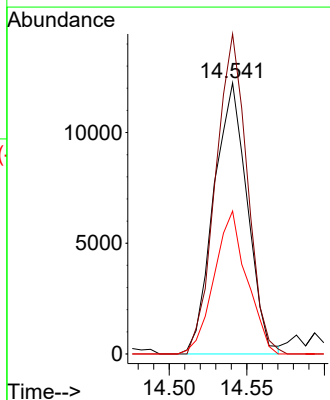
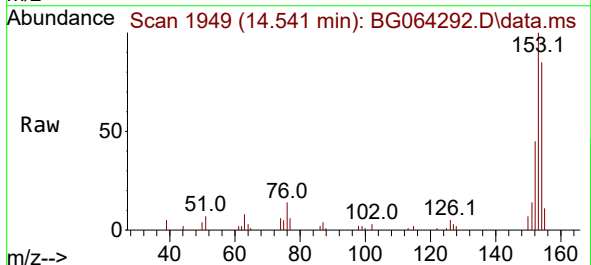
Manual Integrations
APPROVED

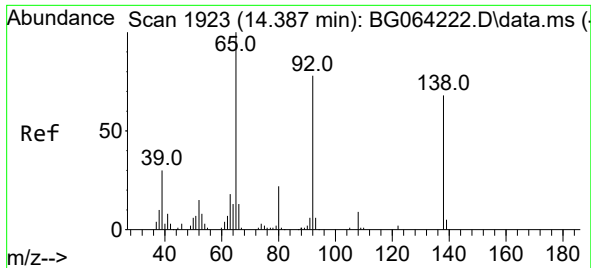
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#52
Acenaphthene
Concen: 3.605 ng
RT: 14.541 min Scan# 1949
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

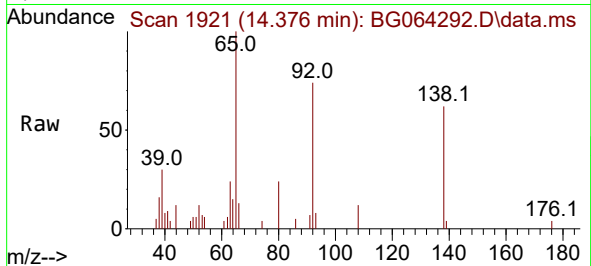
Tgt Ion:154 Resp: 18409
Ion Ratio Lower Upper
154 100
153 118.1 91.1 136.7
152 52.7 39.6 59.4





#53
3-Nitroaniline
Concen: 3.382 ng
RT: 14.376 min Scan# 1921
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

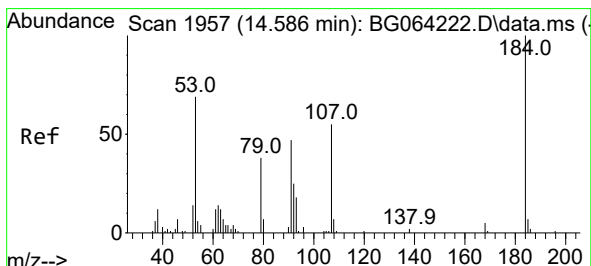
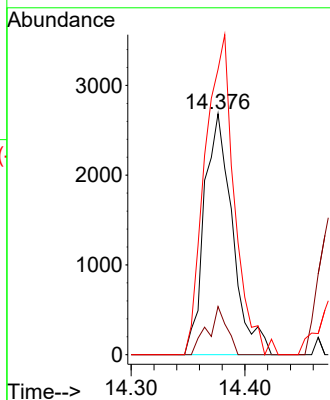
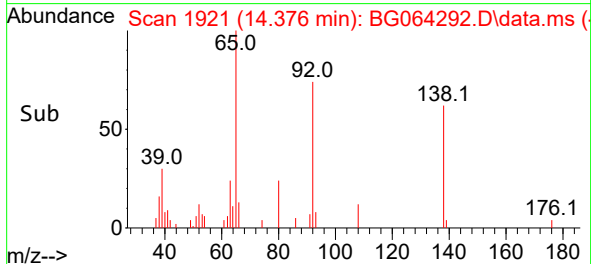
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



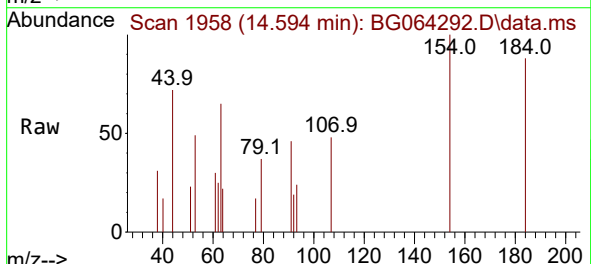
Tgt Ion:138 Resp: 464
Ion Ratio Lower Upper
138 100
108 20.0 11.0 16.6
92 118.4 91.4 137.0

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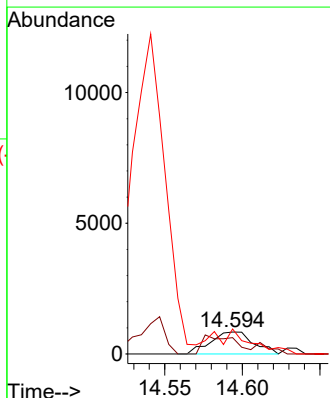
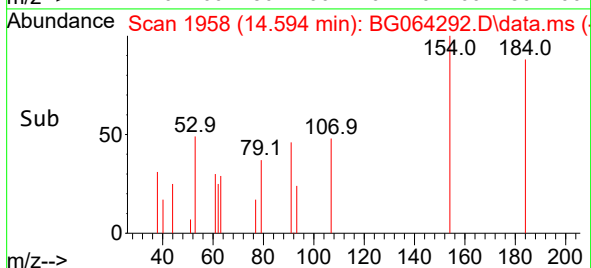
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

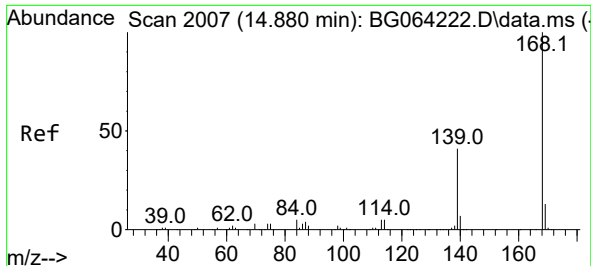


#54
2,4-Dinitrophenol
Concen: 7.409 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



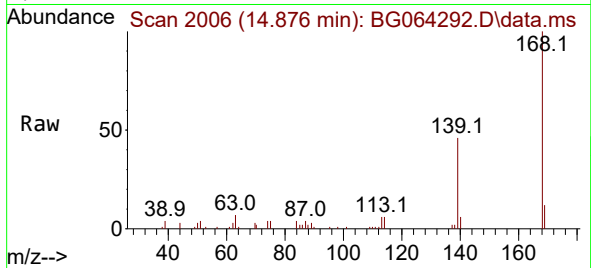
Tgt Ion:184 Resp: 1619
Ion Ratio Lower Upper
184 100
63 74.4 60.1 90.1
154 113.7 59.8 89.8#





#55
Dibenzenofuran
Concen: 3.839 ng
RT: 14.876 min Scan# 2007
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

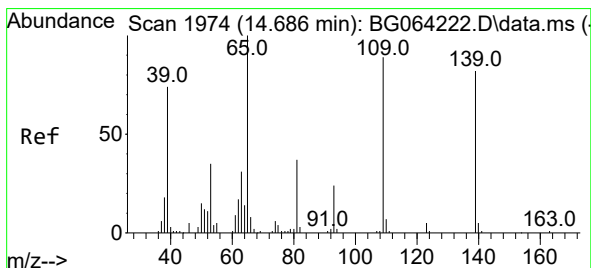
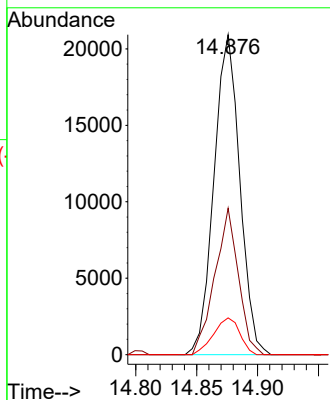
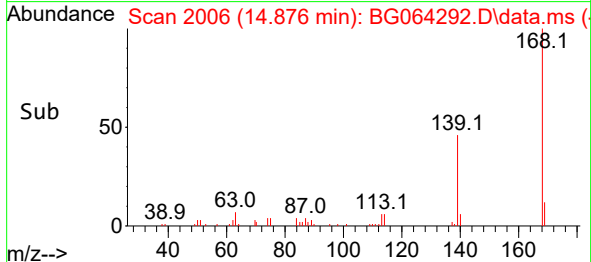
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:168 Resp: 30834
Ion Ratio Lower Upper
168 100
139 45.8 33.2 49.8
169 11.5 10.4 15.6

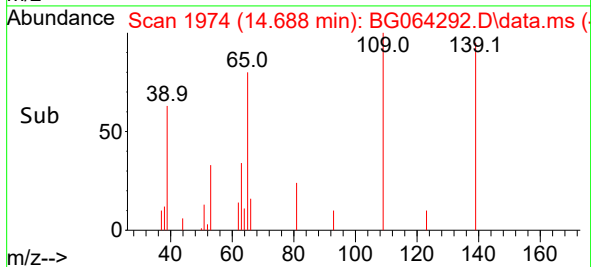
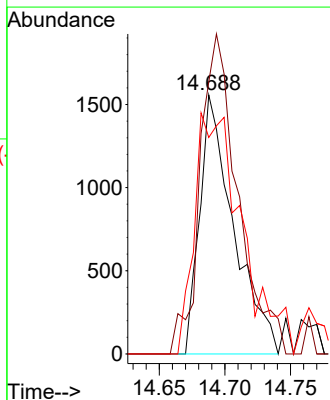
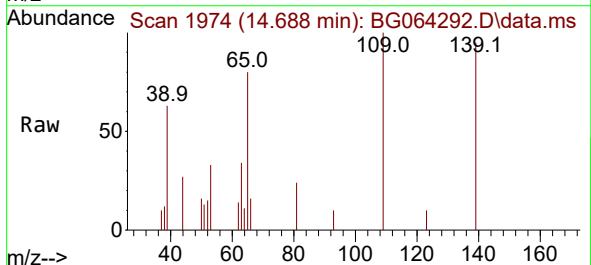
Manual Integrations
APPROVED

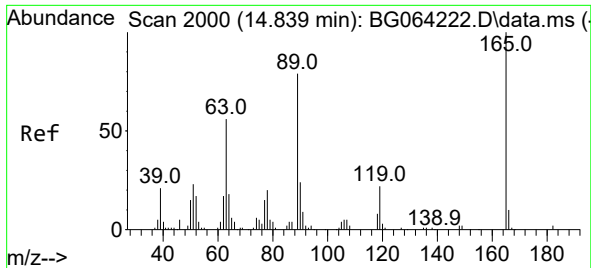
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#56
4-Nitrophenol
Concen: 2.484 ng
RT: 14.688 min Scan# 1974
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

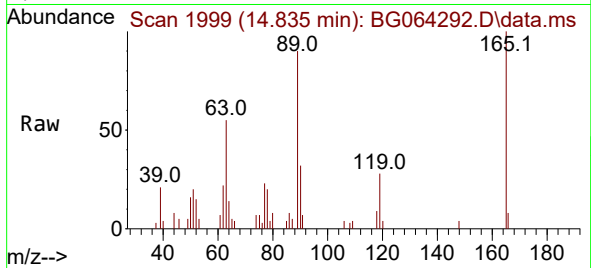
Tgt Ion:139 Resp: 2796
Ion Ratio Lower Upper
139 100
109 105.0 89.1 129.1
65 83.6 102.9 142.9#





#57
2,4-Dinitrotoluene
Concen: 3.972 ng
RT: 14.835 min Scan# 1999
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

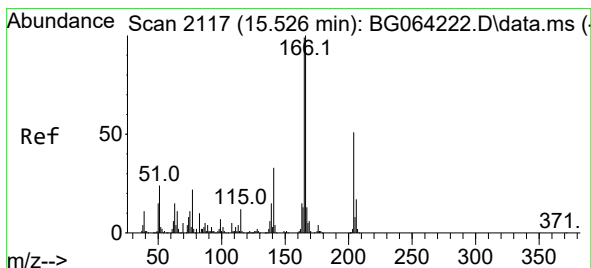
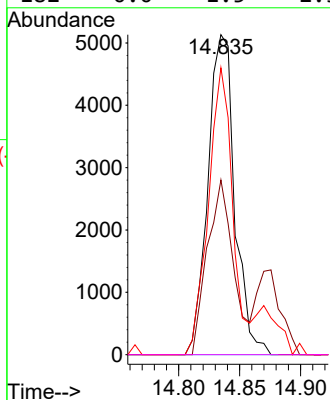
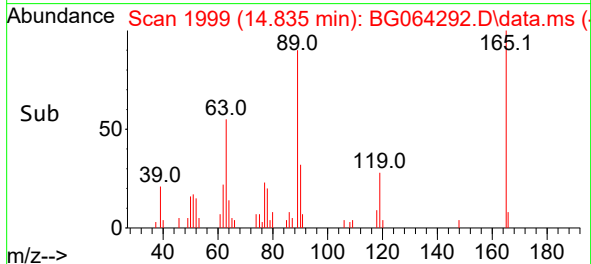
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 786
Ion Ratio Lower Upper
165 100
63 54.6 44.6 67.0
89 89.7 63.0 94.4
182 0.0 1.5 2.3#

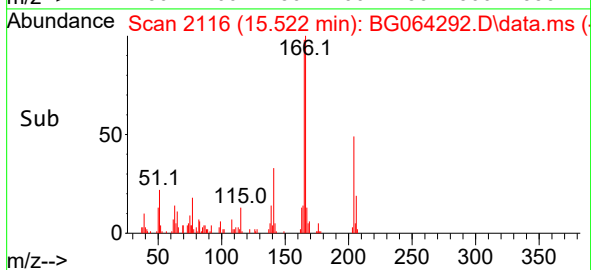
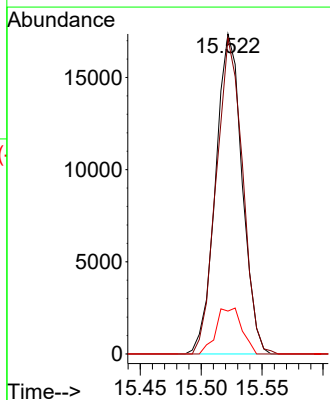
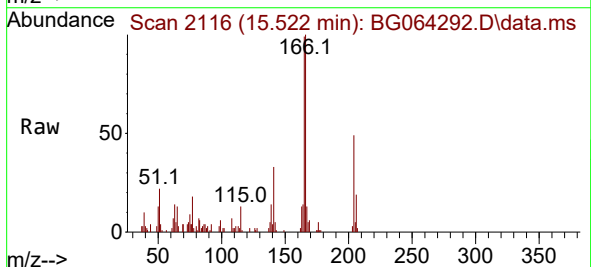
Manual Integrations
APPROVED

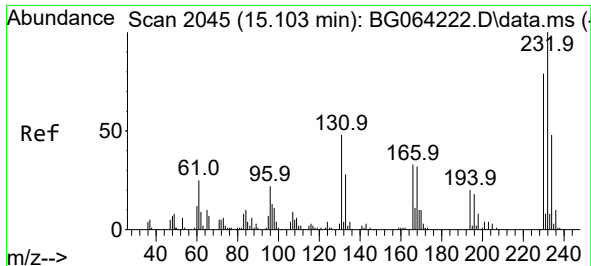
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#58
Fluorene
Concen: 3.998 ng
RT: 15.522 min Scan# 2116
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

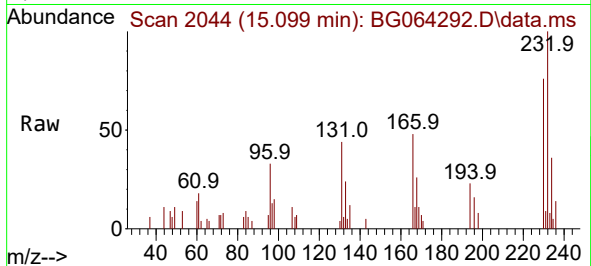
Tgt Ion:166 Resp: 26324
Ion Ratio Lower Upper
166 100
165 98.7 79.1 118.7
167 13.4 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.095 ng
RT: 15.099 min Scan# 2044
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

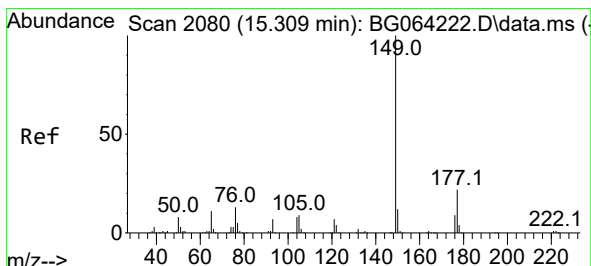
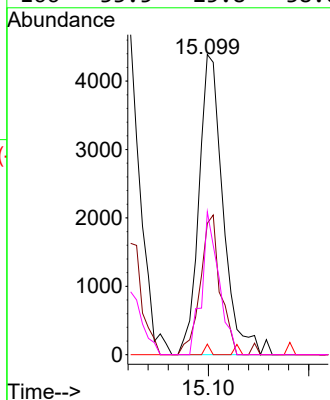
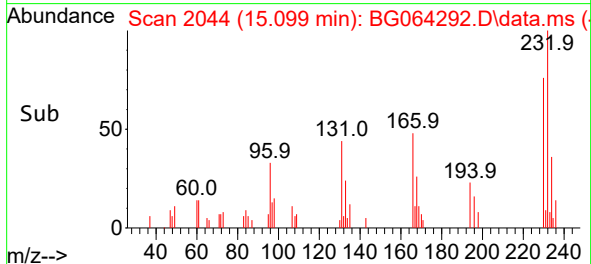
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:232 Resp: 7360
Ion Ratio Lower Upper
232 100
131 38.4 37.1 55.7
130 0.7 2.6 3.8
166 33.5 25.8 38.6

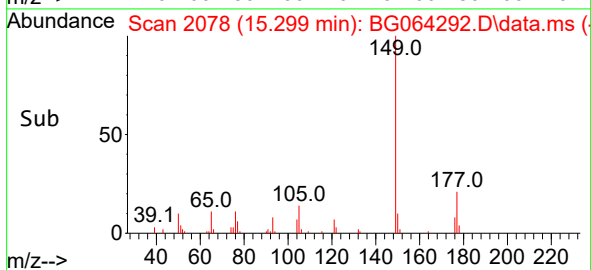
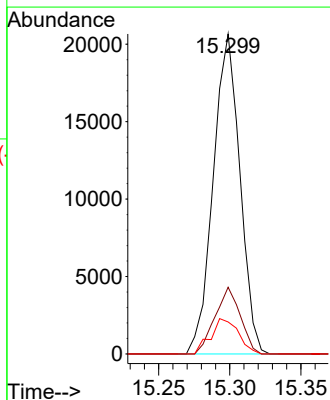
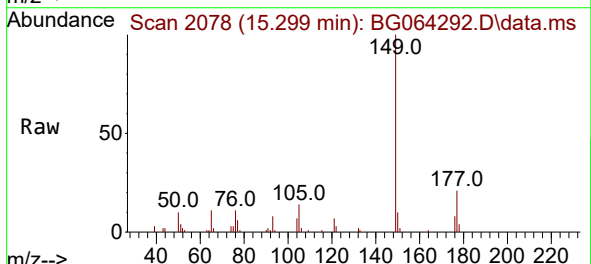
Manual Integrations
APPROVED

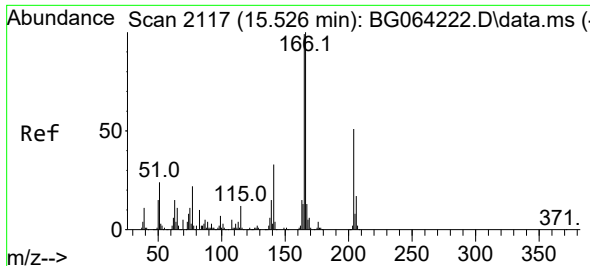
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#60
Diethylphthalate
Concen: 3.720 ng
RT: 15.299 min Scan# 2078
Delta R.T. -0.016 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

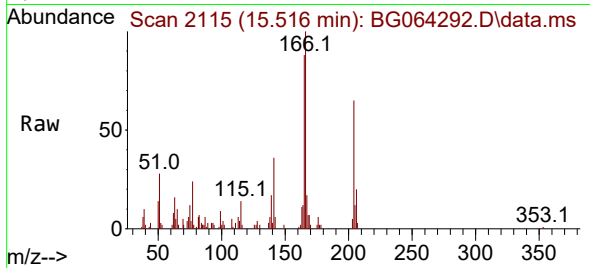
Tgt Ion:149 Resp: 26939
Ion Ratio Lower Upper
149 100
177 20.8 17.5 26.3
150 10.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.147 ng
RT: 15.516 min Scan# 2117
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

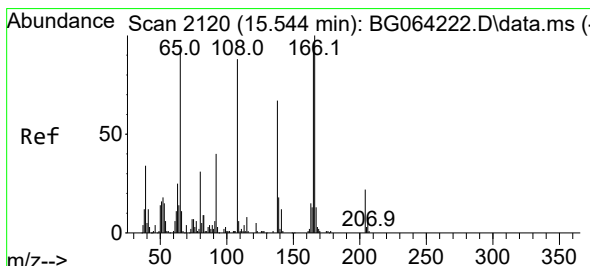
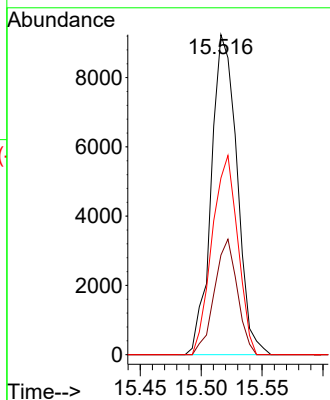
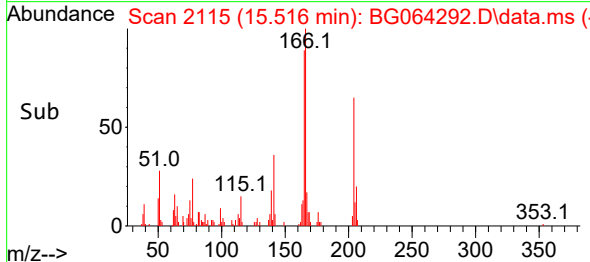
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:204 Resp: 1361
Ion Ratio Lower Upper
204 100
206 31.1 26.2 39.4
141 55.2 51.9 77.9

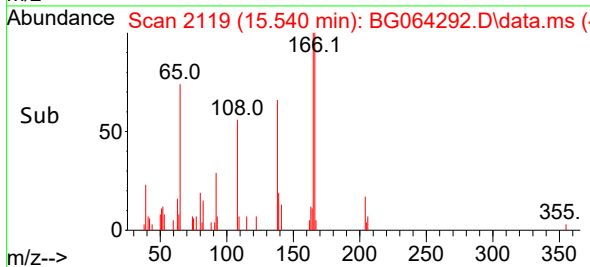
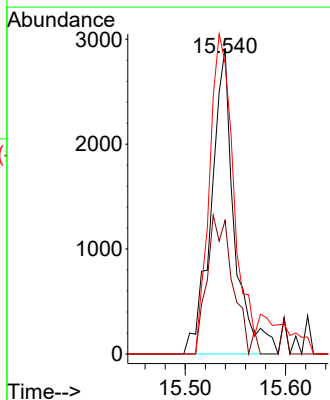
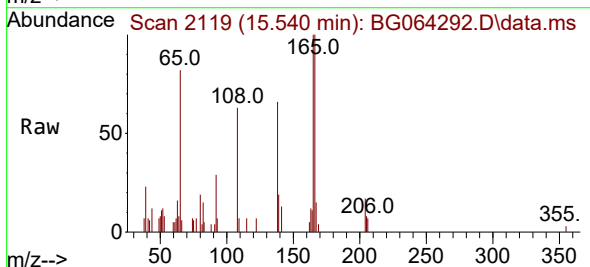
Manual Integrations
APPROVED

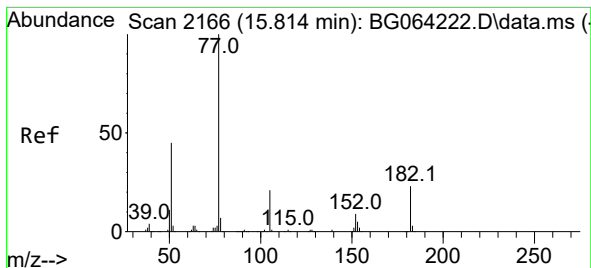
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#62
4-Nitroaniline
Concen: 3.311 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.016 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:138 Resp: 4636
Ion Ratio Lower Upper
138 100
92 43.7 39.1 79.1
108 95.2 111.3 151.3#





#63

Azobenzene

Concen: 3.672 ng

RT: 15.816 min Scan# 2166

Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

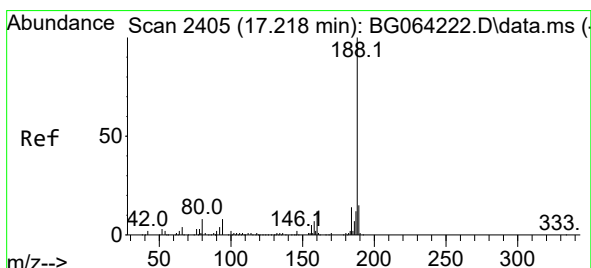
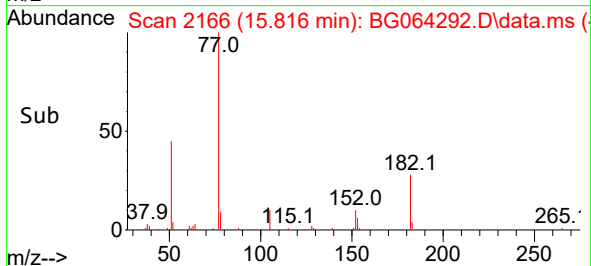
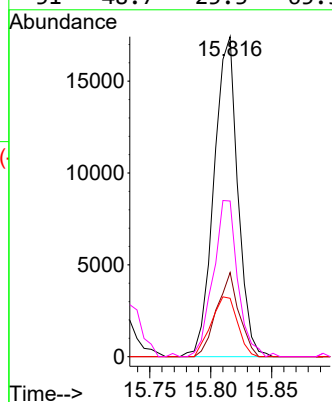
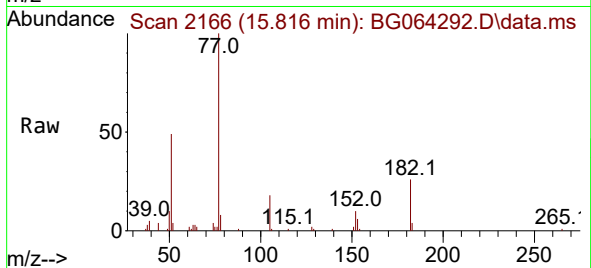
Tgt Ion: 77	Resp: 23699
Ion Ratio	Lower Upper
77 100	
182 26.3	3.3 43.3
105 18.3	0.6 40.6
51 48.7	25.3 65.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

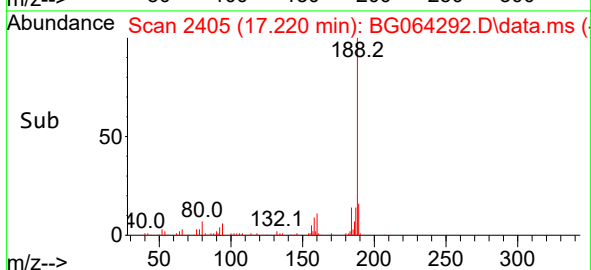
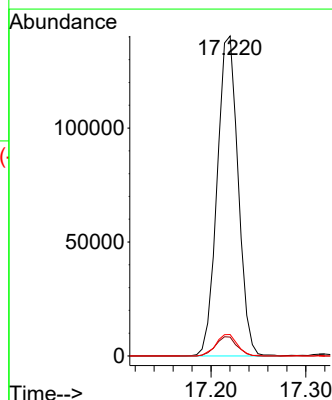
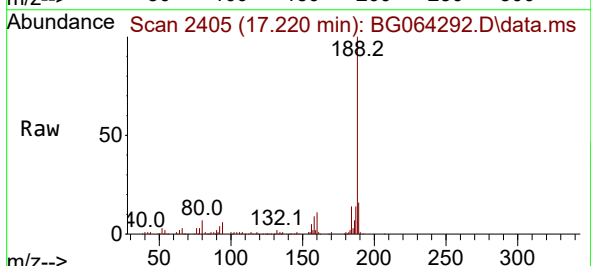
RT: 17.220 min Scan# 2405

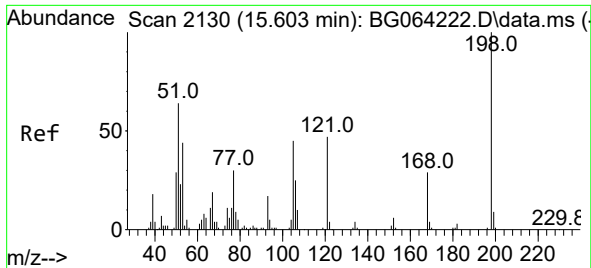
Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:188	Resp: 215692
Ion Ratio	Lower Upper
188 100	
94 5.9	6.2 9.4#
80 6.7	6.8 10.2#





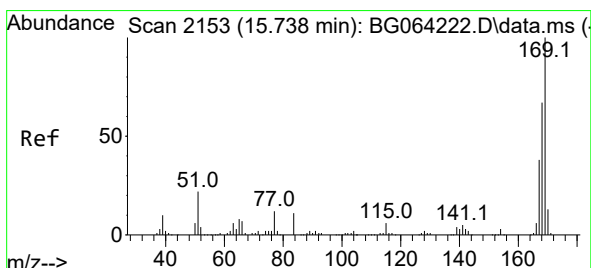
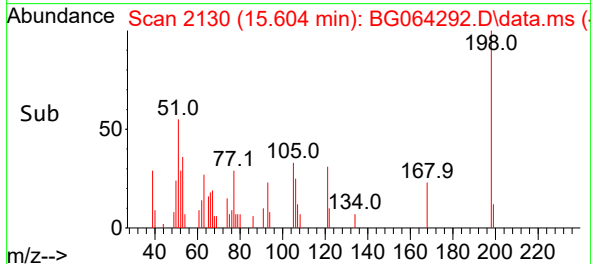
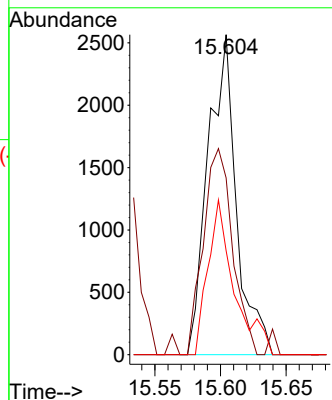
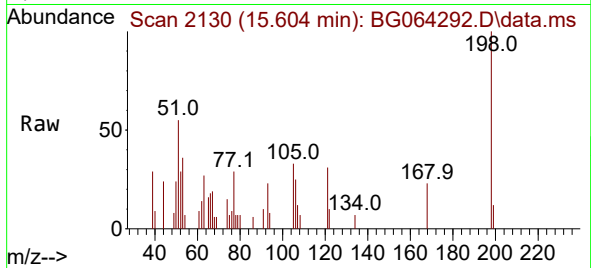
#65
4,6-Dinitro-2-methylphenol
Concen: 3.119 ng
RT: 15.604 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

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

Tgt Ion:198 Resp: 386
Ion Ratio Lower Upper
198 100
51 55.3 46.2 86.2
105 32.5 25.0 65.0

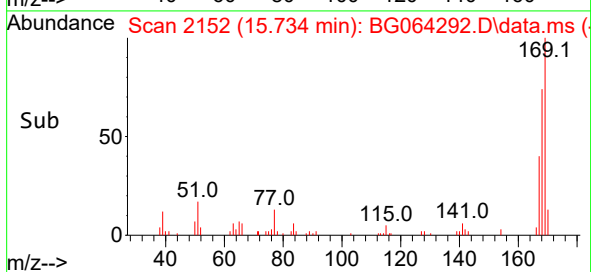
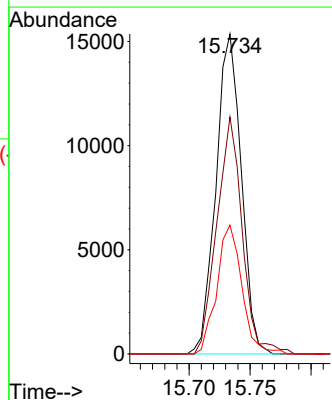
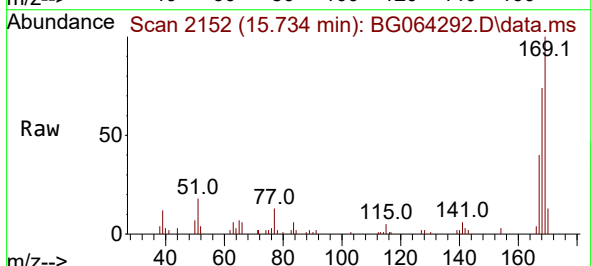
Manual Integrations
APPROVED

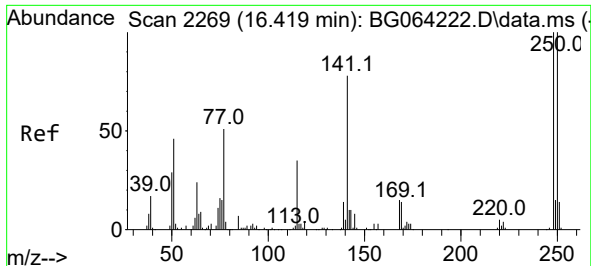
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#66
n-Nitrosodiphenylamine
Concen: 3.746 ng
RT: 15.734 min Scan# 2152
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

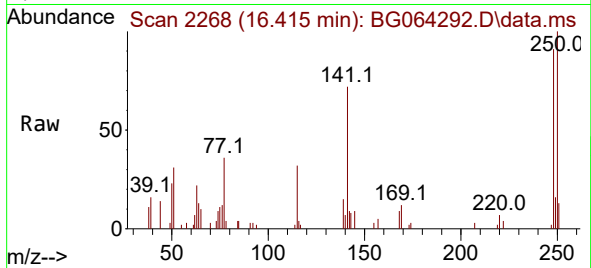
Tgt Ion:169 Resp: 22227
Ion Ratio Lower Upper
169 100
168 74.1 53.8 80.8
167 40.3 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 3.565 ng
RT: 16.415 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

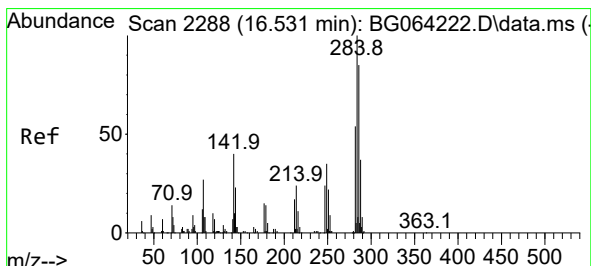
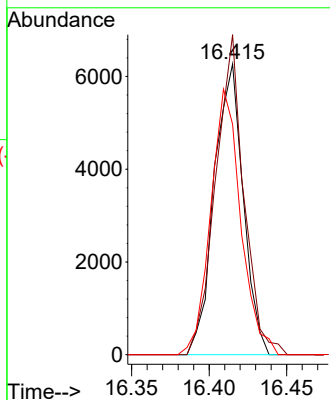
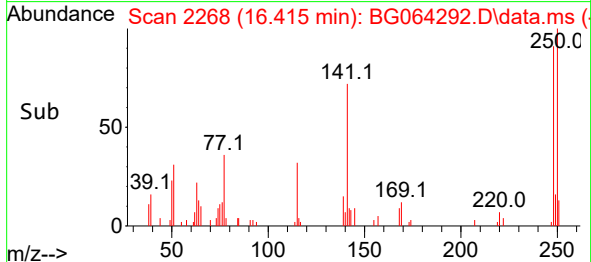
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:248 Resp: 816
Ion Ratio Lower Upper
248 100
250 110.1 80.2 120.4
141 79.3 62.4 93.6

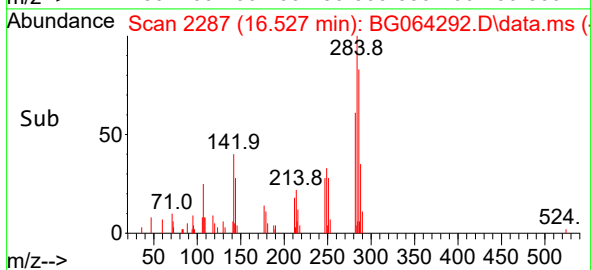
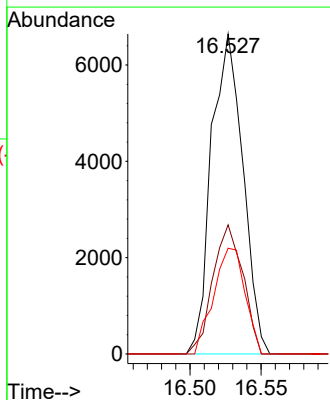
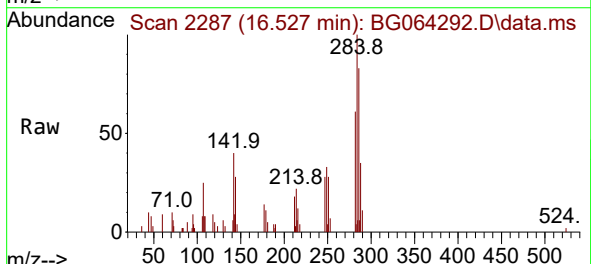
Manual Integrations
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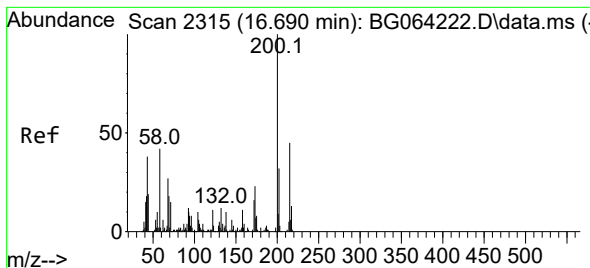
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#68
Hexachlorobenzene
Concen: 4.018 ng
RT: 16.527 min Scan# 2287
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:284 Resp: 10222
Ion Ratio Lower Upper
284 100
142 40.3 32.1 48.1
249 33.0 28.3 42.5





#69

Atrazine

Concen: 3.946 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.016 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

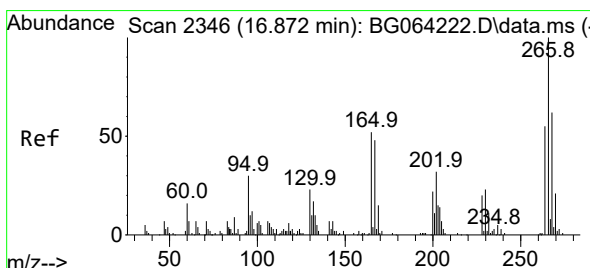
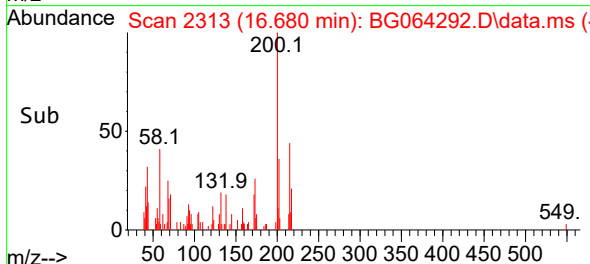
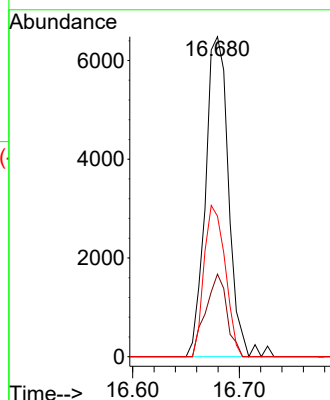
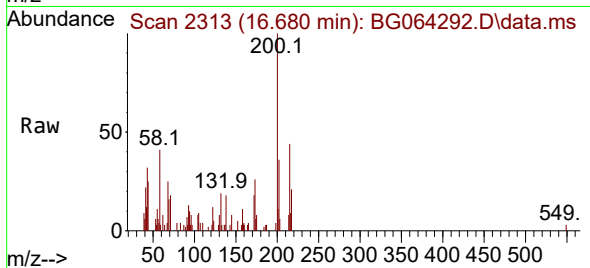
Tgt Ion:200 Resp: 977
 Ion Ratio Lower Upper
 200 100
 173 25.8 3.5 43.5
 215 43.9 24.8 64.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#70

Pentachlorophenol

Concen: 3.065 ng

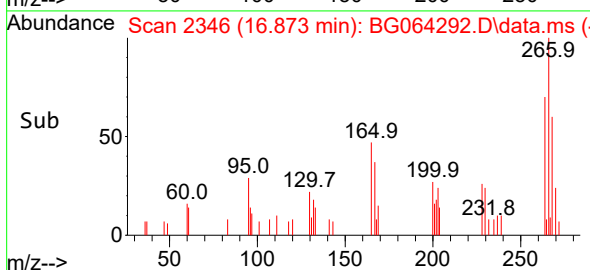
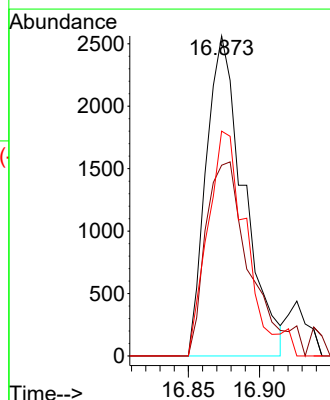
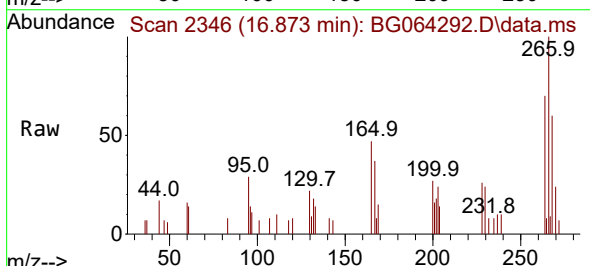
RT: 16.873 min Scan# 2346

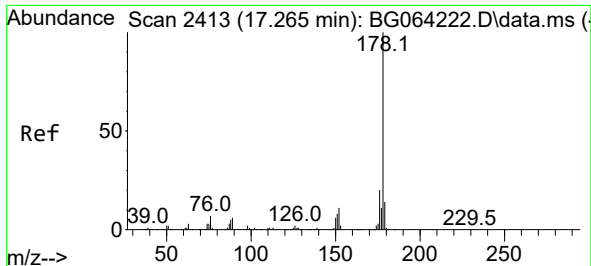
Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

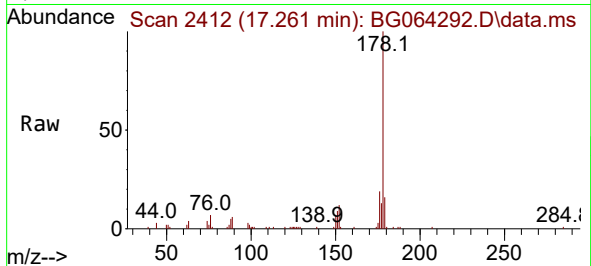
Tgt Ion:266 Resp: 4728
 Ion Ratio Lower Upper
 266 100
 268 59.6 49.4 74.0
 264 78.0 44.3 66.5#





#71
Phenanthrene
Concen: 3.721 ng
RT: 17.261 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

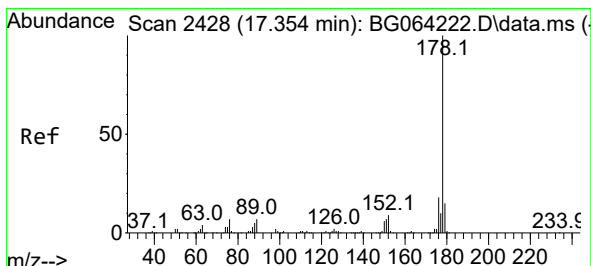
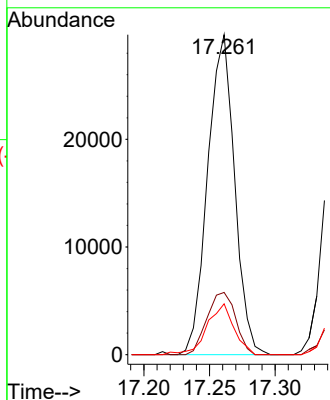
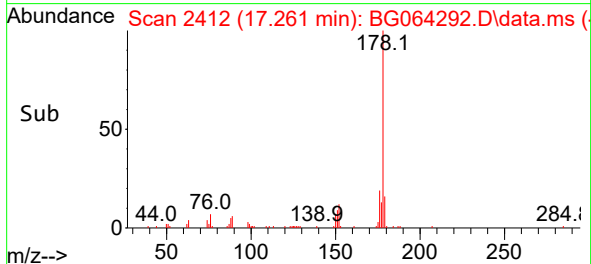
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



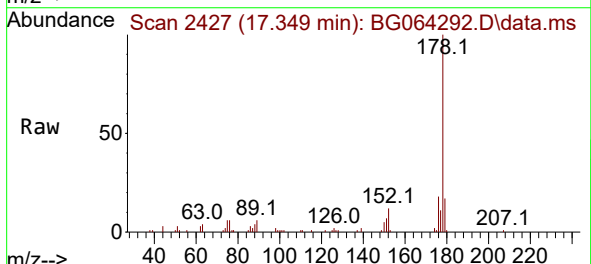
Tgt Ion:178 Resp: 42335
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.9 11.4 17.2

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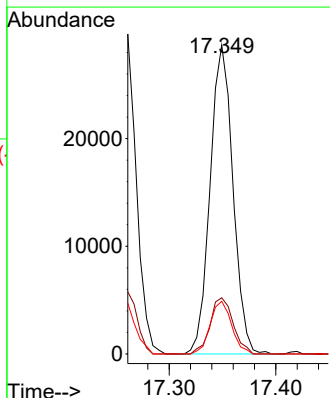
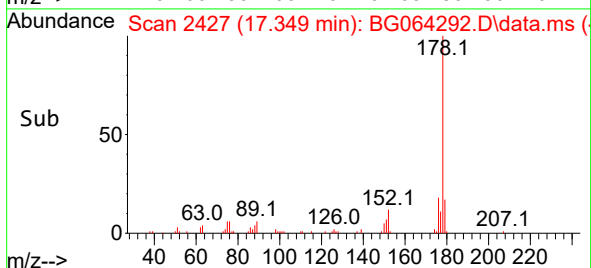
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

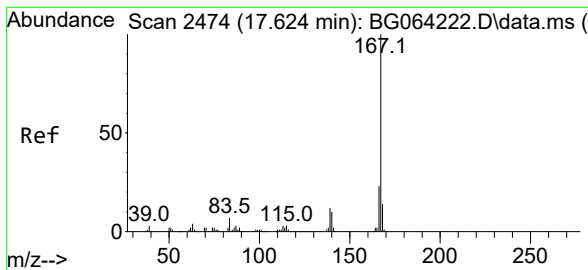


#72
Anthracene
Concen: 3.682 ng
RT: 17.349 min Scan# 2427
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



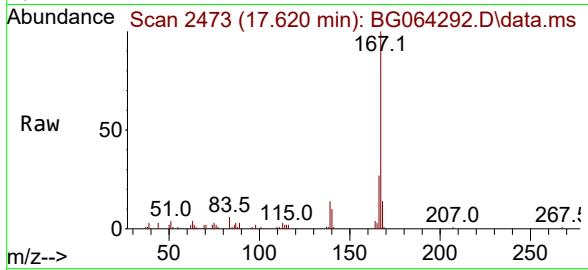
Tgt Ion:178 Resp: 42603
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 17.0 12.1 18.1





#73
 Carbazole
 Concen: 3.521 ng
 RT: 17.620 min Scan# 2473
 Delta R.T. -0.005 min
 Lab File: BG064292.D
 Acq: 5 Sep 2025 14:26

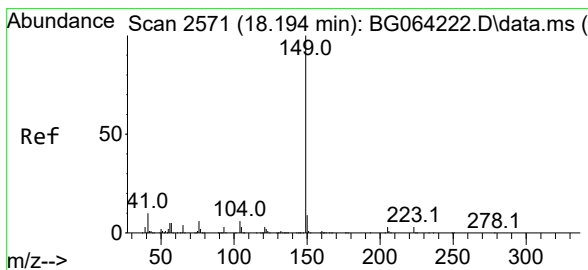
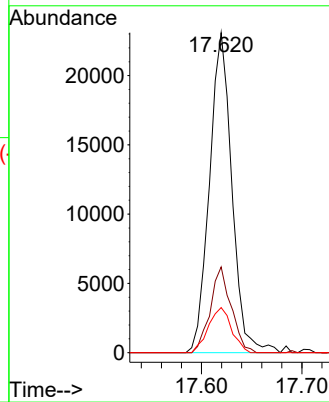
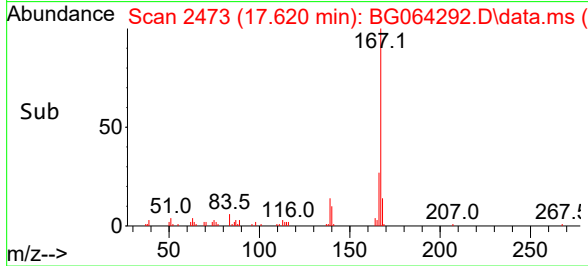
Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:	167	Resp:	35890
Ion Ratio	Lower	Upper	
167	100		
166	26.8	18.2	27.2
139	14.1	9.8	14.6

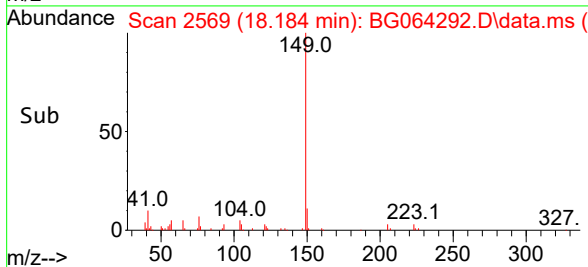
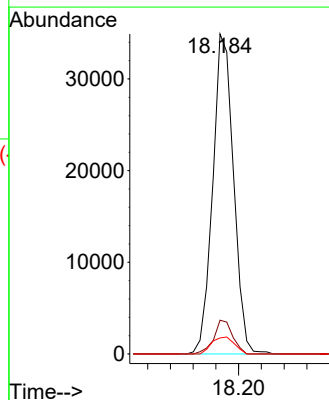
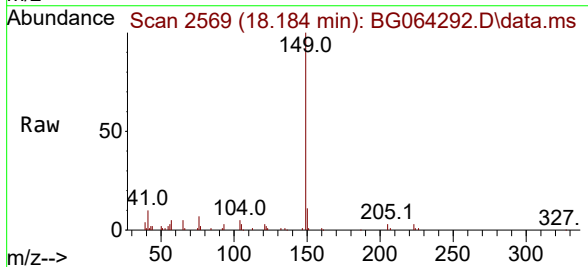
Manual Integrations
 APPROVED

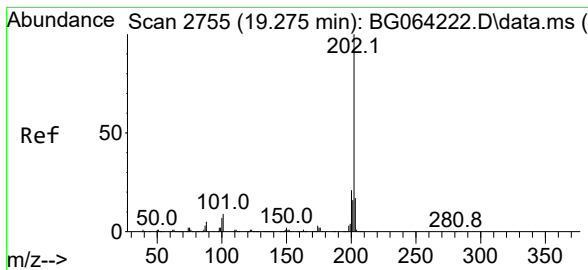
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#74
 Di-n-butylphthalate
 Concen: 3.622 ng
 RT: 18.184 min Scan# 2569
 Delta R.T. -0.010 min
 Lab File: BG064292.D
 Acq: 5 Sep 2025 14:26

Tgt Ion:	149	Resp:	44356
Ion Ratio	Lower	Upper	
149	100		
150	10.6	7.5	11.3
104	5.0	4.6	7.0





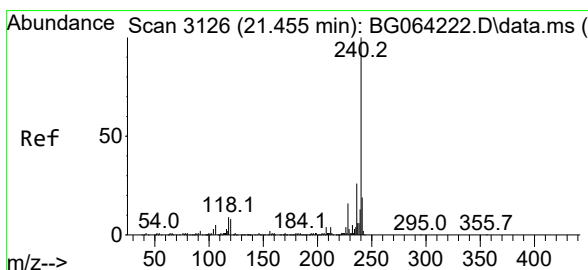
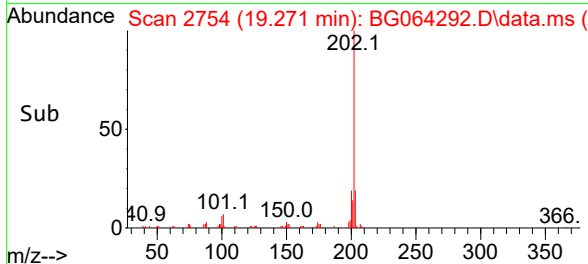
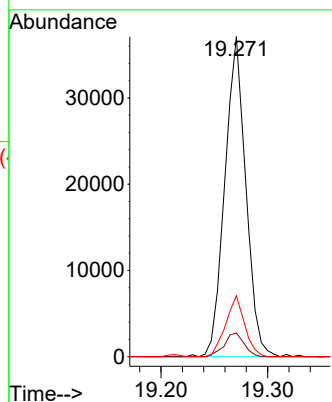
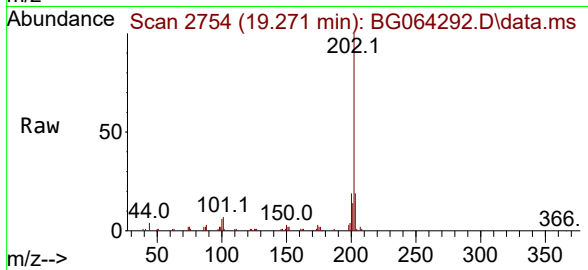
#75
Fluoranthene
Concen: 3.790 ng
RT: 19.271 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

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

Tgt Ion:202 Resp: 50699
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.7
203 19.0 0.0 36.9

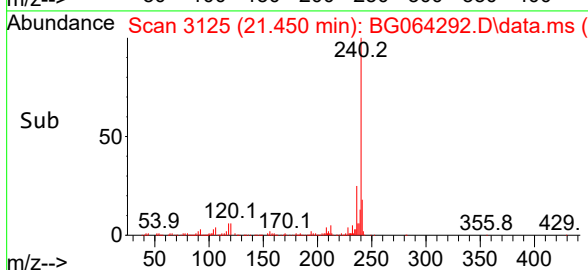
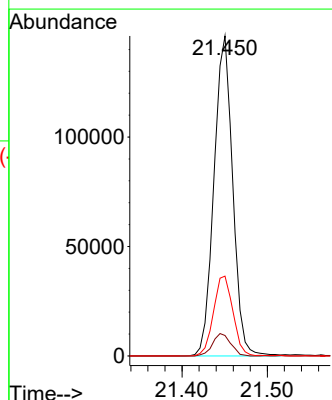
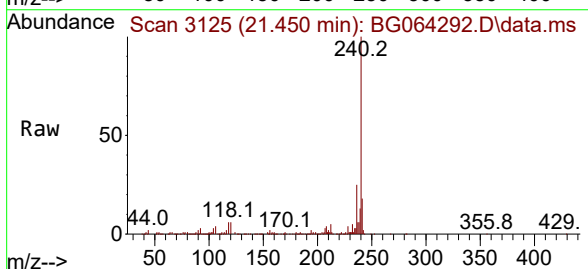
Manual Integrations
APPROVED

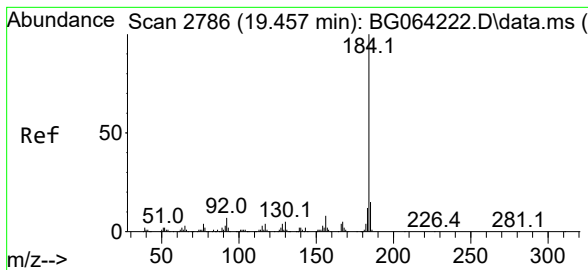
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

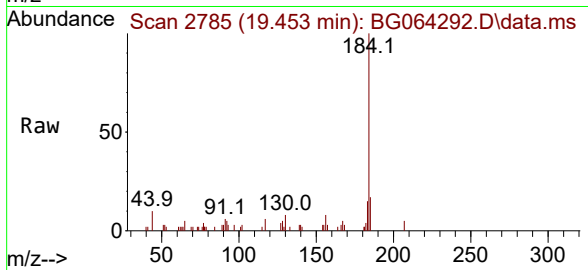
Tgt Ion:240 Resp: 222945
Ion Ratio Lower Upper
240 100
120 6.4 6.2 9.4
236 24.9 20.5 30.7





#77
Benzidine
Concen: 3.873 ng
RT: 19.453 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

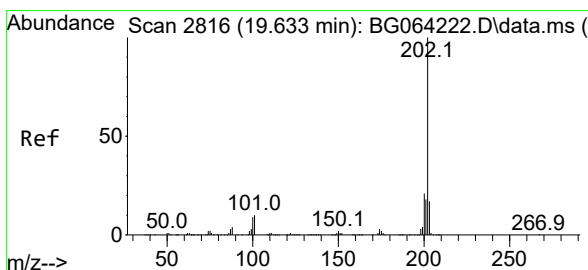
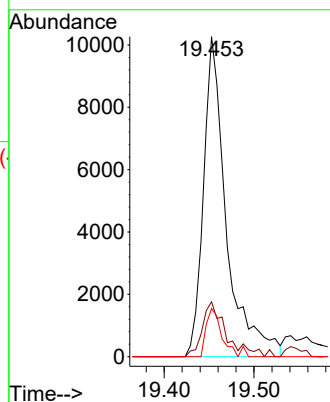
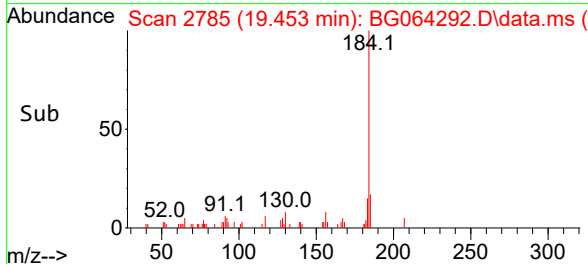
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



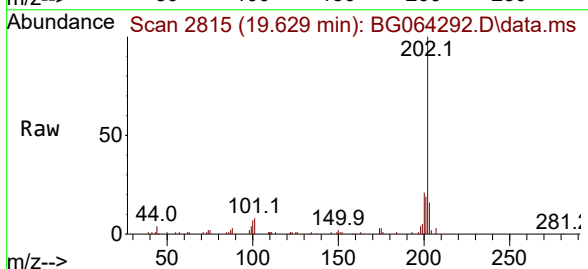
Tgt Ion:184 Resp: 1816
Ion Ratio Lower Upper
184 100
185 17.2 11.7 17.5
183 15.0 9.7 14.5

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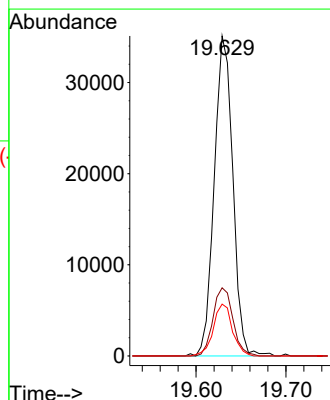
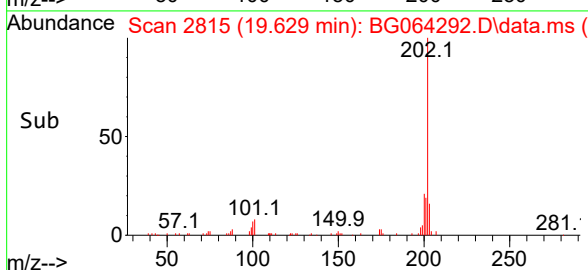
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

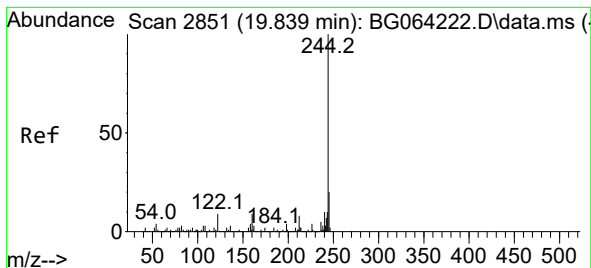


#78
Pyrene
Concen: 3.591 ng
RT: 19.629 min Scan# 2815
Delta R.T. -0.010 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26



Tgt Ion:202 Resp: 50435
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 16.2 13.8 20.8





#79

Terphenyl-d14

Concen: 92.921 ng

RT: 19.840 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

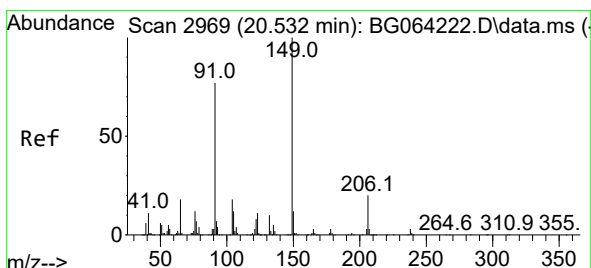
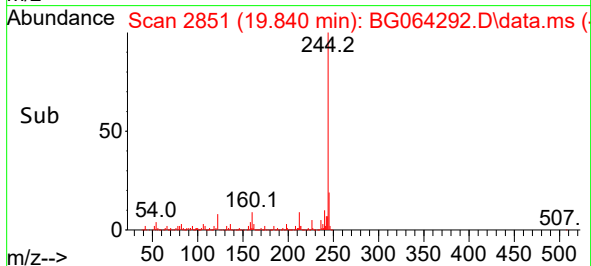
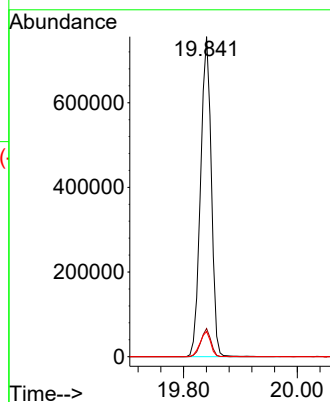
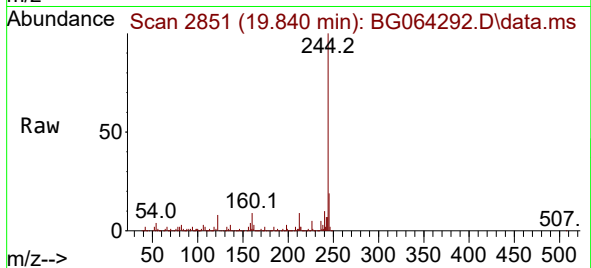
Tgt Ion:244 Resp: 992945
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.6 10.0
 122 7.9 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#80

Butylbenzylphthalate

Concen: 3.767 ng

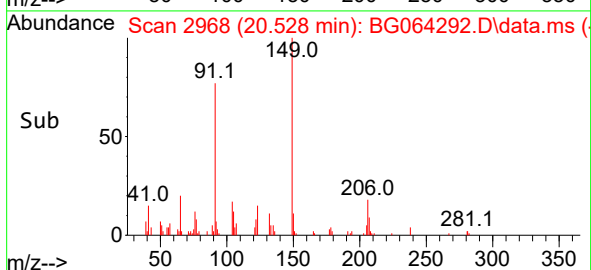
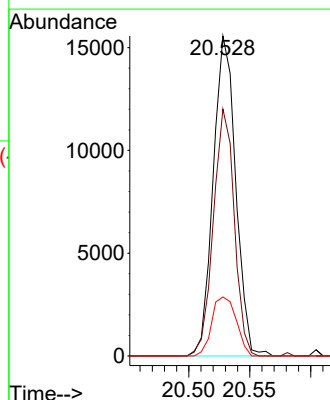
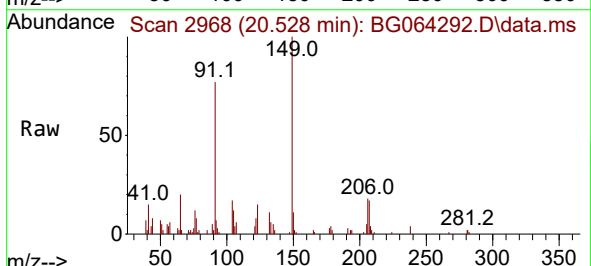
RT: 20.528 min Scan# 2968

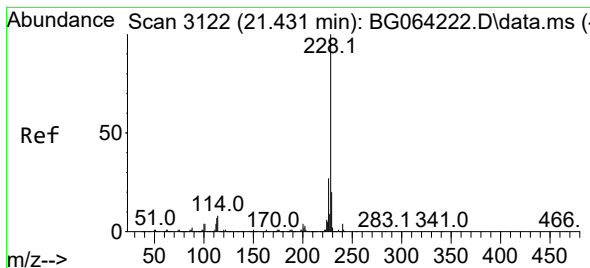
Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:149 Resp: 19959
 Ion Ratio Lower Upper
 149 100
 91 77.2 61.4 92.0
 206 18.5 15.8 23.6





#81

Benzo(a)anthracene

Concen: 3.741 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

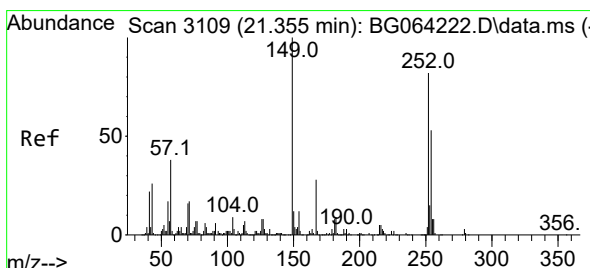
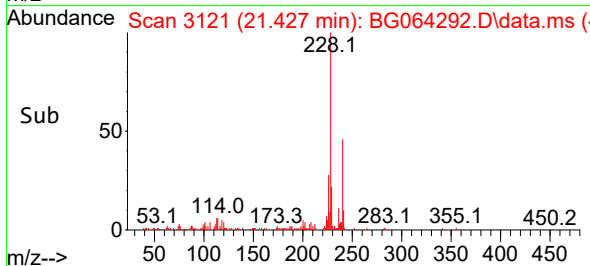
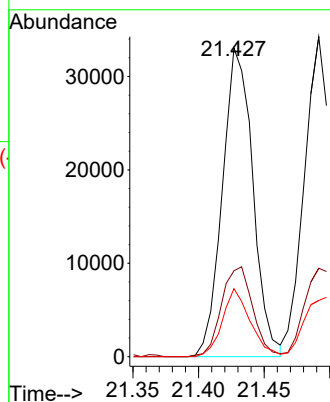
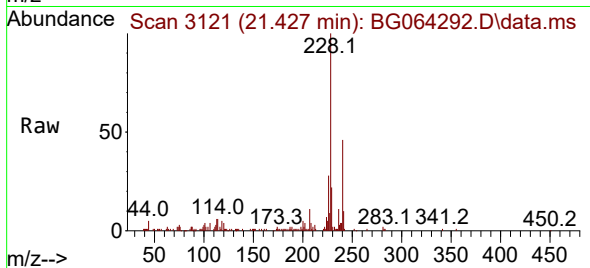
Tgt Ion:228 Resp: 53364
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.7 32.5
 229 22.0 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#82

3,3'-Dichlorobenzidine

Concen: 4.166 ng

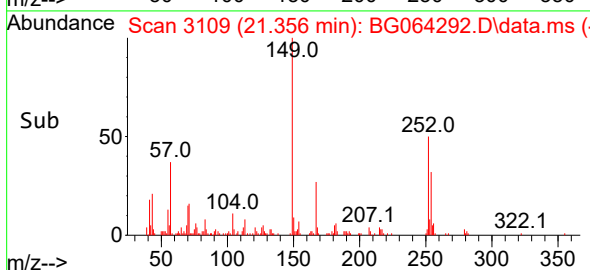
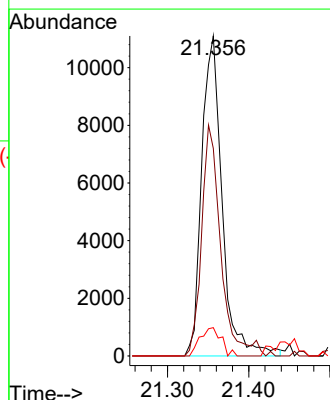
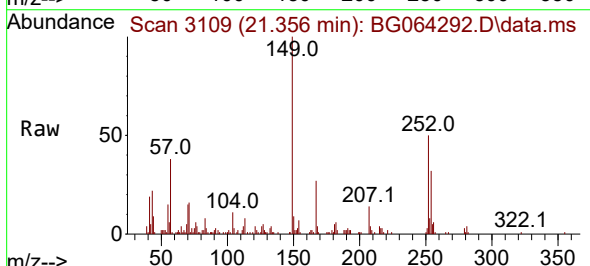
RT: 21.356 min Scan# 3109

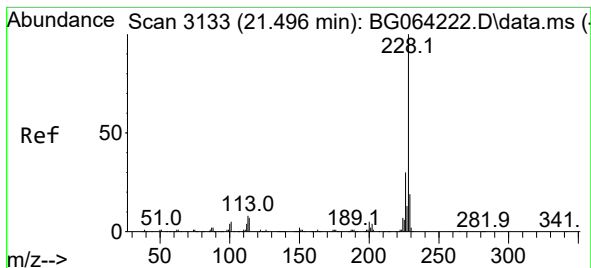
Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:252 Resp: 19354
 Ion Ratio Lower Upper
 252 100
 254 64.9 51.9 77.9
 126 8.9 7.6 11.4





#83

Chrysene

Concen: 3.765 ng

RT: 21.491 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

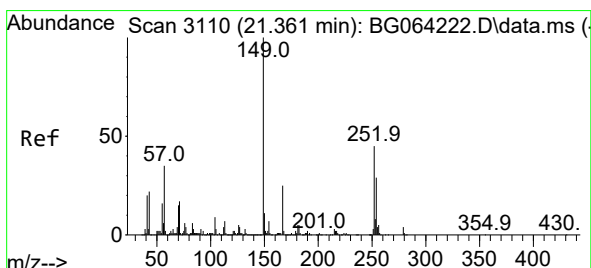
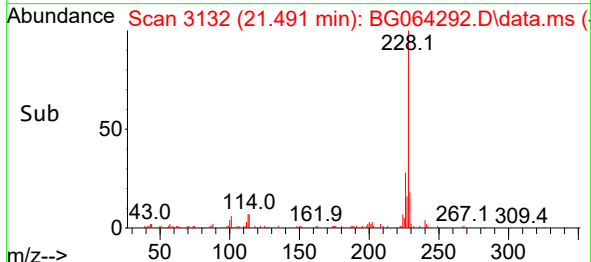
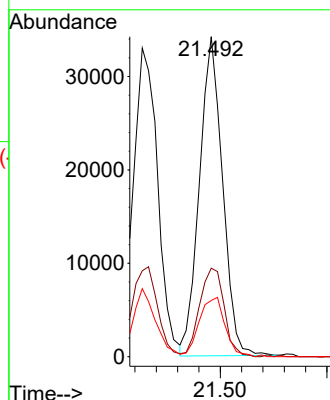
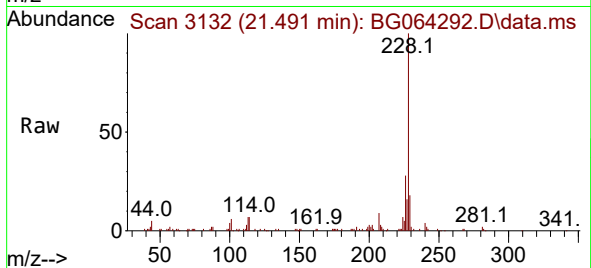
Tgt Ion:228 Resp: 51550
 Ion Ratio Lower Upper
 228 100
 226 27.6 24.2 36.2
 229 17.5 15.4 23.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.622 ng

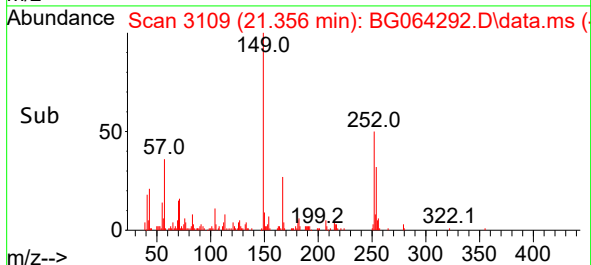
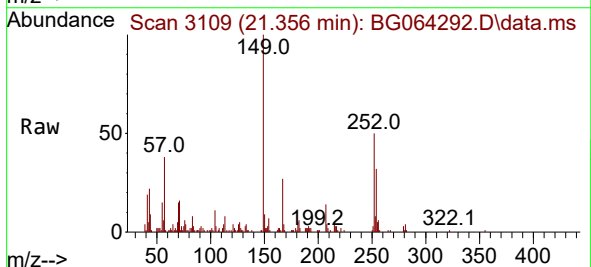
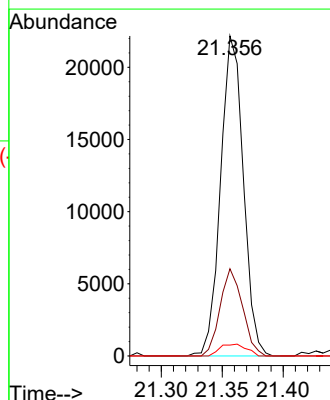
RT: 21.356 min Scan# 3109

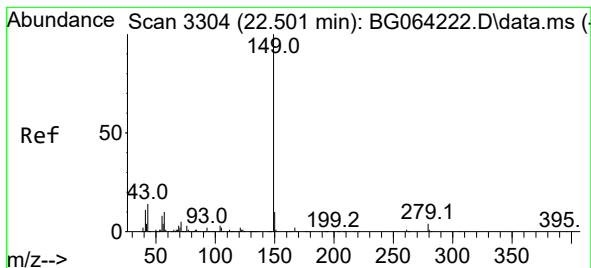
Delta R.T. -0.010 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:149 Resp: 28810
 Ion Ratio Lower Upper
 149 100
 167 27.3 20.0 30.0
 279 3.4 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 3.715 ng

RT: 22.496 min Scan# 3304

Delta R.T. -0.010 min

Lab File: BG064292.D

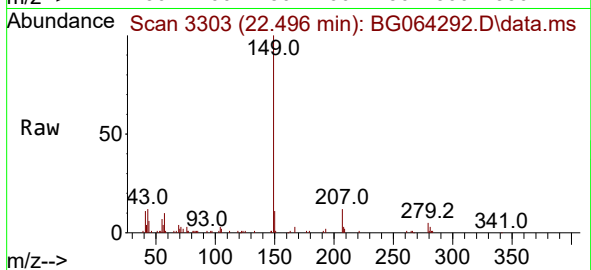
Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:149 Resp: 51489

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

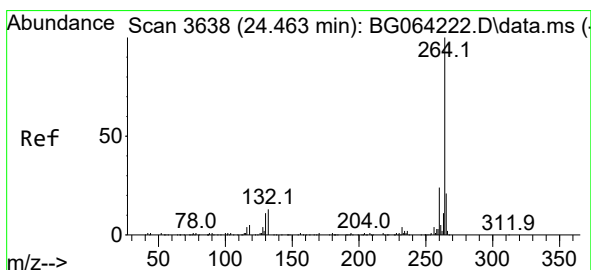
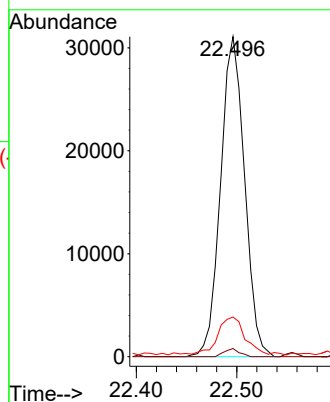
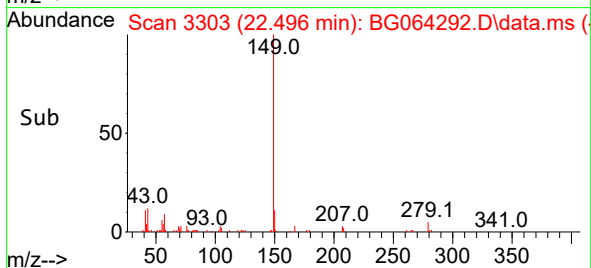
43 13.4 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.459 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

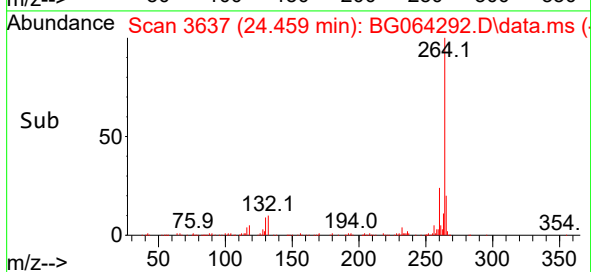
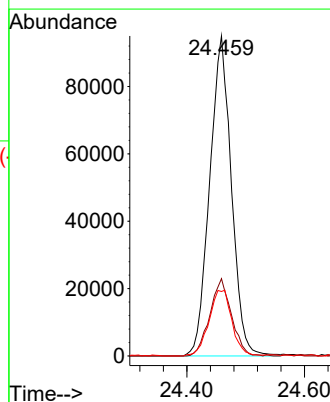
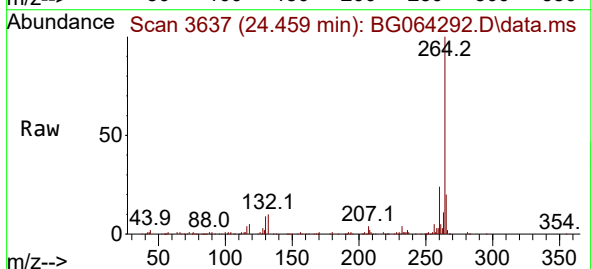
Tgt Ion:264 Resp: 243410

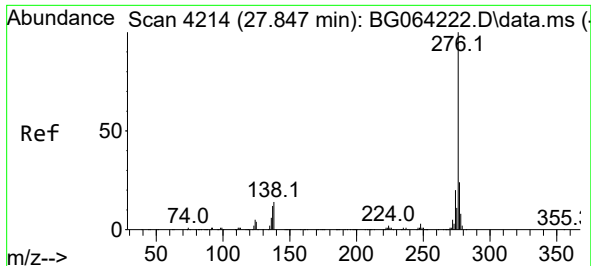
Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

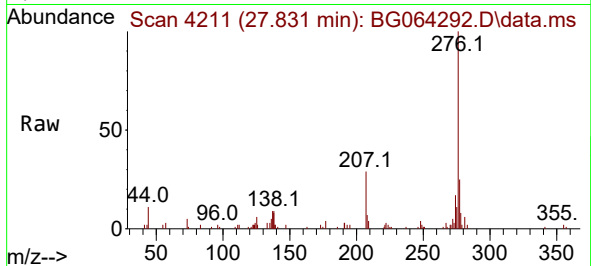
265 20.2 16.7 25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.828 ng
 RT: 27.831 min Scan# 4211
 Delta R.T. -0.040 min
 Lab File: BG064292.D
 Acq: 5 Sep 2025 14:26

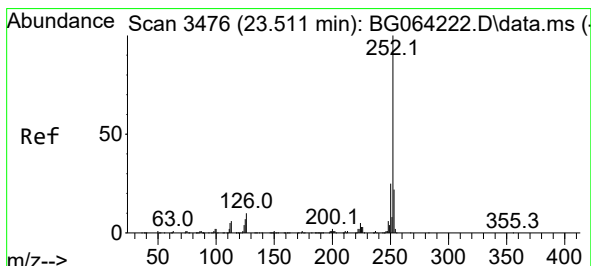
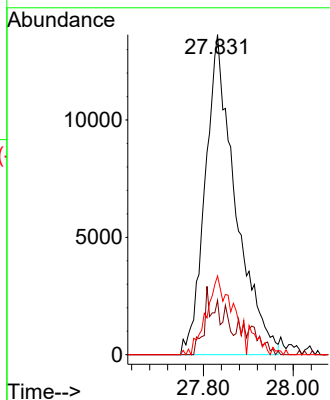
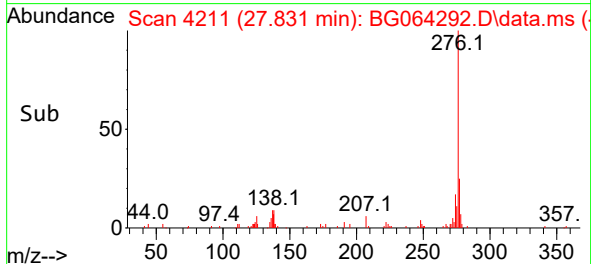
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion: 276 Resp: 63629
 Ion Ratio Lower Upper
 276 100
 138 0.0 7.4 11.0
 277 20.9 20.5 30.7

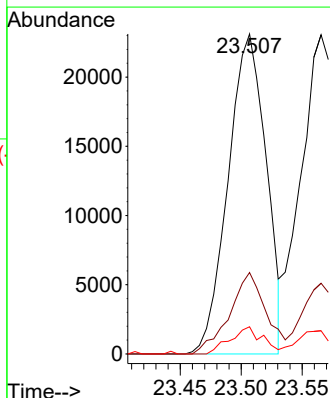
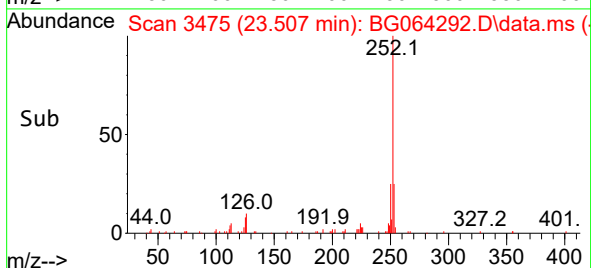
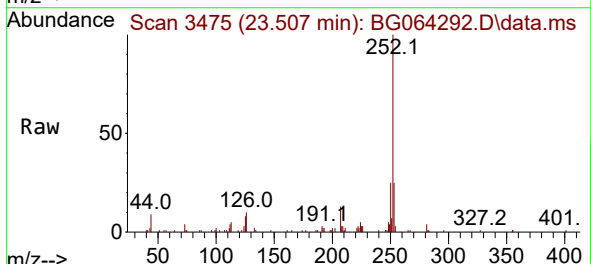
Manual Integrations
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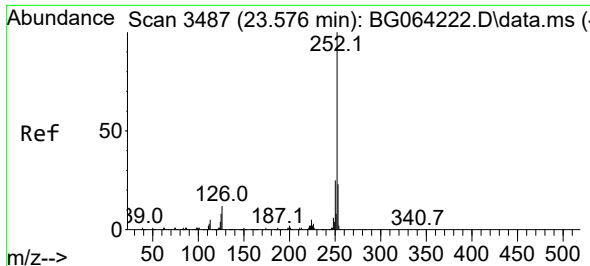
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#88
 Benzo(b)fluoranthene
 Concen: 3.652 ng
 RT: 23.507 min Scan# 3475
 Delta R.T. -0.010 min
 Lab File: BG064292.D
 Acq: 5 Sep 2025 14:26

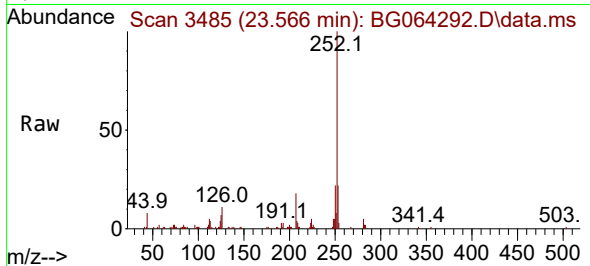
Tgt Ion: 252 Resp: 50168
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.5 26.3
 125 8.5 5.9 8.9





#89
Benzo(k)fluoranthene
Concen: 3.843 ng
RT: 23.566 min Scan# 3487
Delta R.T. -0.022 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

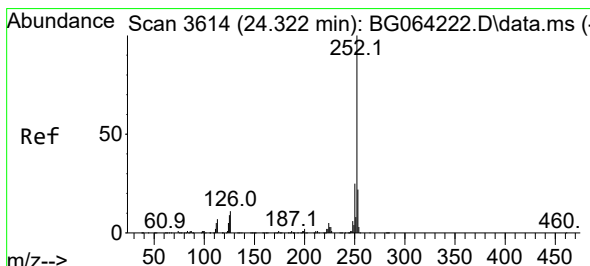
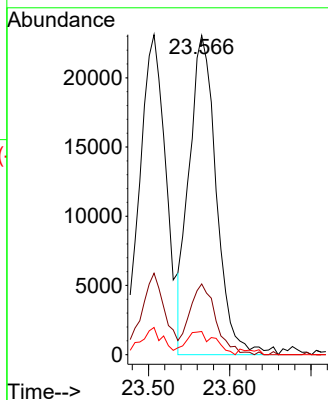
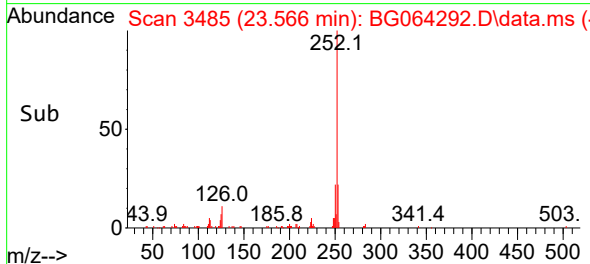
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:252 Resp: 5378
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 7.3 7.0 10.4

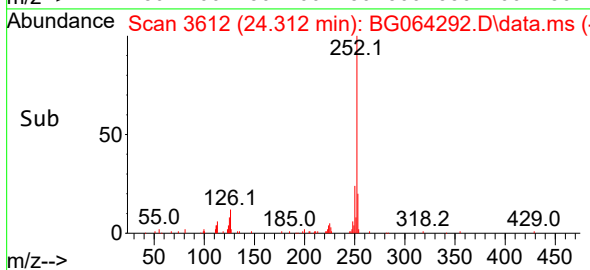
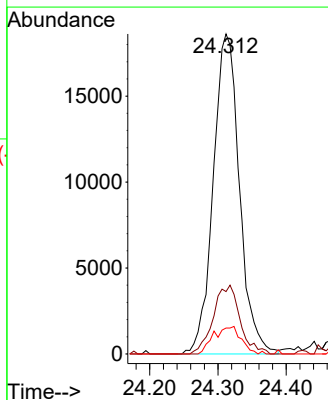
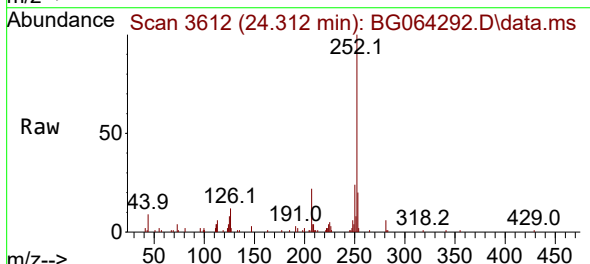
Manual Integrations
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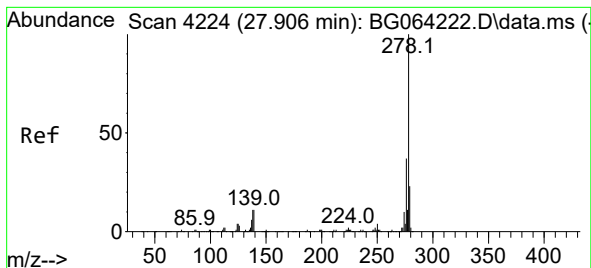
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#90
Benzo(a)pyrene
Concen: 3.891 ng
RT: 24.312 min Scan# 3612
Delta R.T. -0.016 min
Lab File: BG064292.D
Acq: 5 Sep 2025 14:26

Tgt Ion:252 Resp: 49725
Ion Ratio Lower Upper
252 100
253 19.5 17.4 26.2
125 8.1 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 3.852 ng

RT: 27.902 min Scan# 4390

Delta R.T. -0.022 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2025

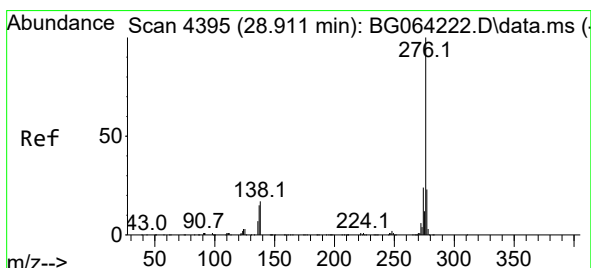
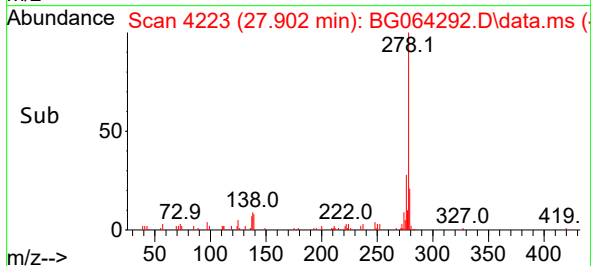
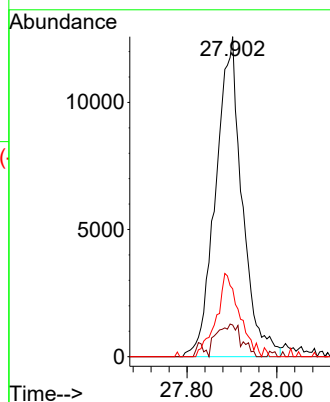
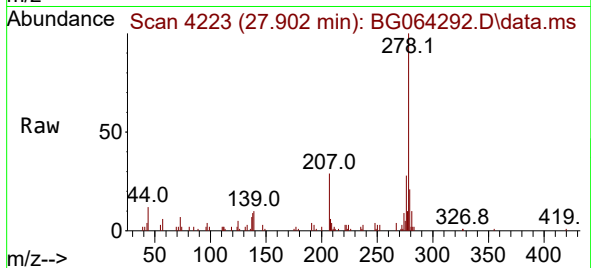
Tgt Ion:	278	Resp:	5141
Ion Ratio	Lower	Upper	
278	100		
139	9.9	9.0	13.4
279	21.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#92

Benzo(g,h,i)perylene

Concen: 3.985 ng

RT: 28.883 min Scan# 4390

Delta R.T. -0.052 min

Lab File: BG064292.D

Acq: 5 Sep 2025 14:26

Tgt Ion:	276	Resp:	51747
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.2	27.4
138	13.2	13.3	19.9

