

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
 Data File : BG064291.D
 Acq On : 5 Sep 2025 13:45
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 05 14:21:31 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	25663	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	109658	20.000	ng	# 0.00
39) Acenaphthene-d10	14.477	164	81864	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	196716	20.000	ng	#-0.01
76) Chrysene-d12	21.451	240	214369	20.000	ng	0.00
86) Perylene-d12	24.459	264	231268	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	162510	113.610	ng	0.00
7) Phenol-d6	7.021	99	229065	116.564	ng	0.00
23) Nitrobenzene-d5	9.001	82	172844	87.906	ng	-0.02
42) 2,4,6-Tribromophenol	15.963	330	152553	140.689	ng	0.00
45) 2-Fluorobiphenyl	13.102	172	458740	85.532	ng	0.00
79) Terphenyl-d14	19.841	244	925036	90.029	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.360	88	5262	8.826	ng	# 76
3) Pyridine	3.748	79	11247	6.408	ng	# 62
4) n-Nitrosodimethylamine	3.660	42	8610	7.417	ng	# 94
6) Aniline	7.179	93	19075	7.019	ng	# 87
8) 2-Chlorophenol	7.420	128	12605	7.211	ng	96
9) Benzaldehyde	6.991	77	10367	6.410	ng	95
10) Phenol	7.044	94	14580	6.729	ng	# 70
11) bis(2-Chloroethyl)ether	7.279	93	10542	6.475	ng	88
12) 1,3-Dichlorobenzene	7.743	146	14244m	7.660	ng	
13) 1,4-Dichlorobenzene	7.890	146	14454	7.702	ng	93
14) 1,2-Dichlorobenzene	8.202	146	13397m	7.396	ng	
15) Benzyl Alcohol	8.084	79	12686	6.995	ng	# 86
16) 2,2'-oxybis(1-Chloropr...	8.378	45	21478	5.778	ng	97
17) 2-Methylphenol	8.290	107	10229	6.335	ng	# 89
18) Hexachloroethane	8.930	117	5300	7.235	ng	91
19) n-Nitroso-di-n-propyla...	8.654	70	10008	6.654	ng	# 92
20) 3+4-Methylphenols	8.613	107	13373	5.960	ng	86
22) Acetophenone	8.672	105	21723	7.830	ng	# 94
24) Nitrobenzene	9.042	77	15029	7.316	ng	97
25) Isophorone	9.565	82	31115	7.614	ng	99
26) 2-Nitrophenol	9.753	139	6907	7.781	ng	88
27) 2,4-Dimethylphenol	9.823	122	12427	7.974	ng	96
28) bis(2-Chloroethoxy)met...	10.047	93	16021	7.271	ng	97
29) 2,4-Dichlorophenol	10.287	162	12115	7.367	ng	93
30) 1,2,4-Trichlorobenzene	10.505	180	14091	8.127	ng	93
31) Naphthalene	10.687	128	42027	7.391	ng	96
32) Benzoic acid	9.906	122	7137m	5.769	ng	
33) 4-Chloroaniline	10.799	127	16988	7.708	ng	98
34) Hexachlorobutadiene	10.981	225	10473	8.172	ng	91
35) Caprolactam	11.545	113	3792	5.956	ng	# 63
36) 4-Chloro-3-methylphenol	11.921	107	15777	7.395	ng	96
37) 2-Methylnaphthalene	12.297	142	27880	6.596	ng	96
38) 1-Methylnaphthalene	12.514	142	31106	7.451	ng	96
40) 1,2,4,5-Tetrachloroben...	12.667	216	18408	7.793	ng	99
41) Hexachlorocyclopentadiene	12.649	237	9531	8.490	ng	97
43) 2,4,6-Trichlorophenol	12.908	196	11637	7.371	ng	99

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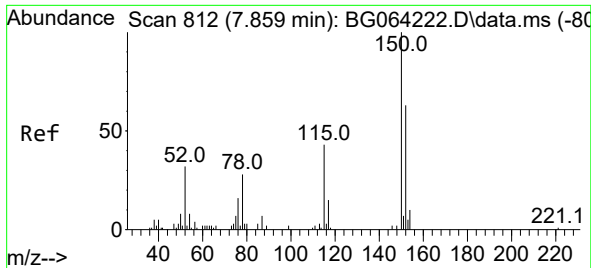
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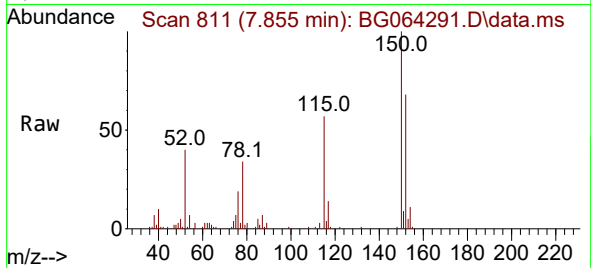
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.984	196	13345m	7.792	ng	
46) 1,1'-Biphenyl	13.307	154	43758	7.339	ng	96
47) 2-Chloronaphthalene	13.349	162	32228	7.190	ng	93
48) 2-Nitroaniline	13.554	65	11395	7.458	ng	84
49) Acenaphthylene	14.201	152	52811	7.970	ng	98
50) Dimethylphthalate	13.930	163	46445	7.495	ng	96
51) 2,6-Dinitrotoluene	14.048	165	10018	8.351	ng	88
52) Acenaphthene	14.541	154	34070	7.286	ng	97
53) 3-Nitroaniline	14.377	138	8567	6.818	ng	94
54) 2,4-Dinitrophenol	14.588	184	3758	10.108	ng	# 83
55) Dibenzofuran	14.876	168	56443	7.674	ng	93
56) 4-Nitrophenol	14.694	139	5889	5.713	ng	# 83
57) 2,4-Dinitrotoluene	14.835	165	14561	8.028	ng	# 91
58) Fluorene	15.523	166	44426	7.369	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.105	232	13567	8.237	ng	96
60) Diethylphthalate	15.299	149	50982	7.688	ng	97
61) 4-Chlorophenyl-phenyle...	15.517	204	24137	8.030	ng	92
62) 4-Nitroaniline	15.540	138	9529	7.432	ng	91
63) Azobenzene	15.810	77	43875	7.423	ng	95
65) 4,6-Dinitro-2-methylph...	15.599	198	7781	6.889	ng	92
66) n-Nitrosodiphenylamine	15.728	169	40877	7.554	ng	96
67) 4-Bromophenyl-phenylether	16.410	248	16963	8.119	ng	95
68) Hexachlorobenzene	16.527	284	17463	7.526	ng	# 91
69) Atrazine	16.680	200	18411	8.148	ng	98
70) Pentachlorophenol	16.868	266	9268	6.588	ng	90
71) Phenanthrene	17.262	178	78462	7.562	ng	97
72) Anthracene	17.350	178	78191	7.409	ng	97
73) Carbazole	17.620	167	72749	7.825	ng	98
74) Di-n-butylphthalate	18.184	149	85123	7.621	ng	98
75) Fluoranthene	19.271	202	94985	7.786	ng	97
77) Benzidine	19.453	184	42691	9.467	ng	95
78) Pyrene	19.629	202	96585	7.151	ng	98
80) Butylbenzylphthalate	20.528	149	39490	7.752	ng	95
81) Benzo(a)anthracene	21.427	228	100539	7.331	ng	99
82) 3,3'-Dichlorobenzidine	21.351	252	37254	8.341	ng	93
83) Chrysene	21.492	228	94584	7.184	ng	100
84) Bis(2-ethylhexyl)phtha...	21.357	149	57062	7.461	ng	99
85) Di-n-octyl phthalate	22.497	149	94898	7.121	ng	98
87) Indeno(1,2,3-cd)pyrene	27.832	276	118131	7.480	ng	98
88) Benzo(b)fluoranthene	23.507	252	96174	7.368	ng	98
89) Benzo(k)fluoranthene	23.566	252	101473m	7.631	ng	
90) Benzo(a)pyrene	24.312	252	94989	7.823	ng	93
91) Dibenzo(a,h)anthracene	27.890	278	95833	7.557	ng	# 98
92) Benzo(g,h,i)perylene	28.877	276	93937	7.613	ng	# 94

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.855 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

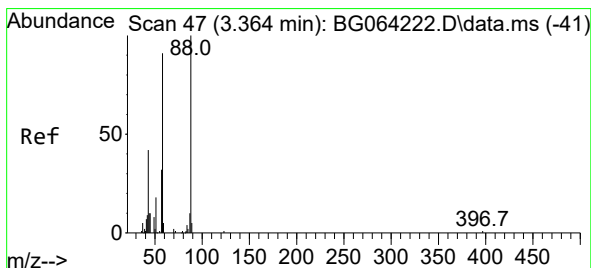
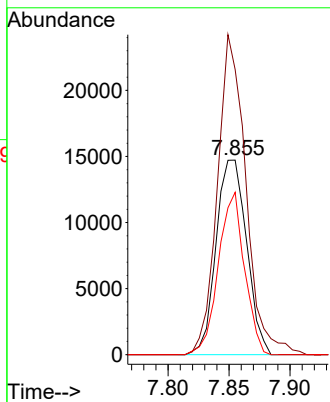
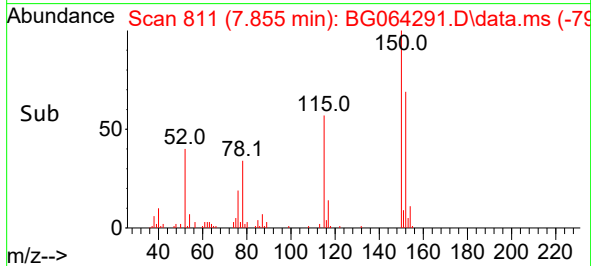
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 2566
Ion Ratio Lower Upper
152 100
150 146.6 128.0 192.0
115 83.5 55.7 83.5

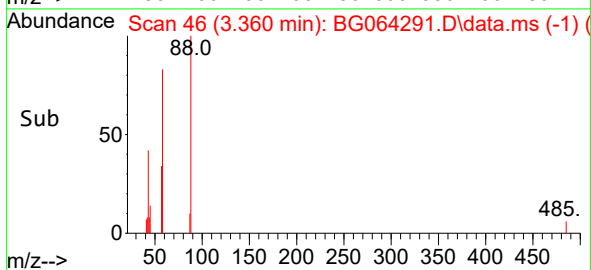
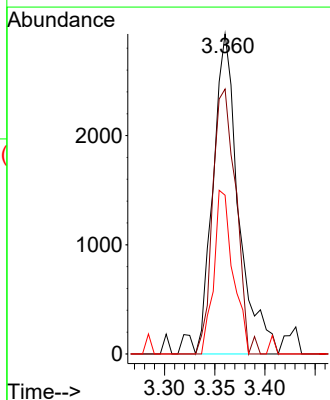
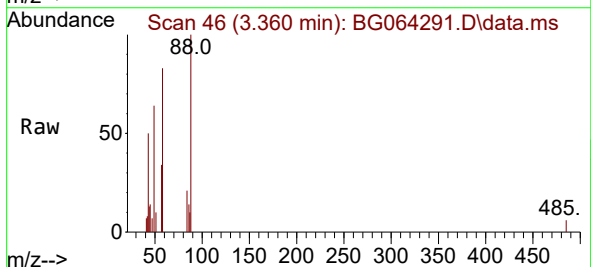
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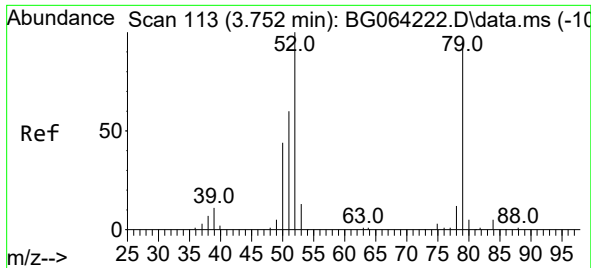
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#2
1,4-Dioxane
Concen: 8.826 ng
RT: 3.360 min Scan# 46
Delta R.T. 0.002 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

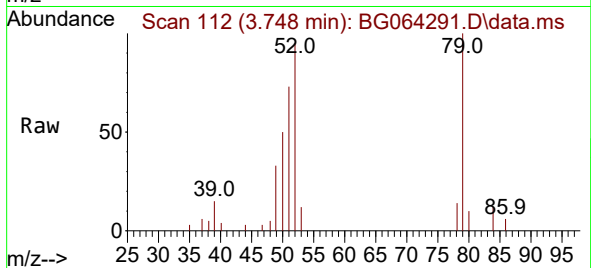
Tgt Ion: 88 Resp: 5262
Ion Ratio Lower Upper
88 100
58 74.2 80.8 121.2#
43 37.8 40.3 60.5#





#3
Pyridine
Concen: 6.408 ng
RT: 3.748 min Scan# 113
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

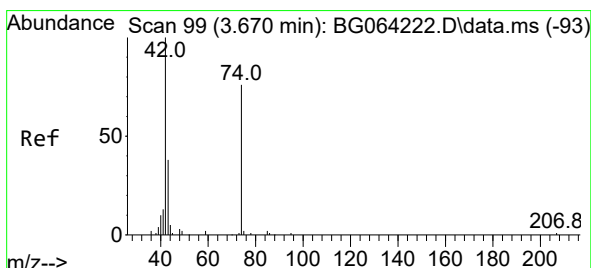
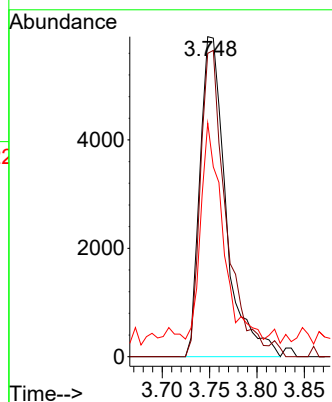
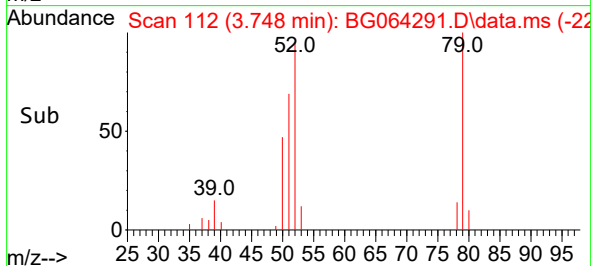
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 79 Resp: 1124
Ion Ratio Lower Upper
79 100
52 94.8 86.6 129.8
51 73.0 114.1 171.1

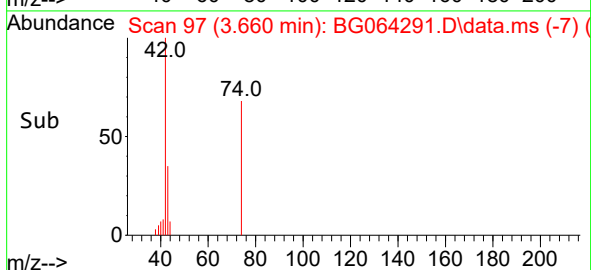
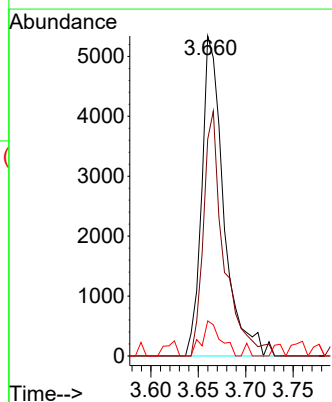
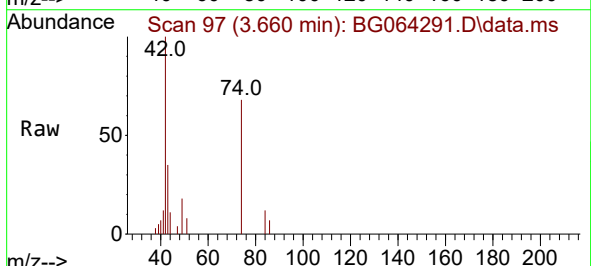
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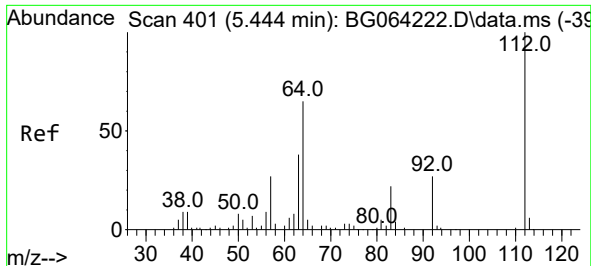
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#4
n-Nitrosodimethylamine
Concen: 7.417 ng
RT: 3.660 min Scan# 97
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

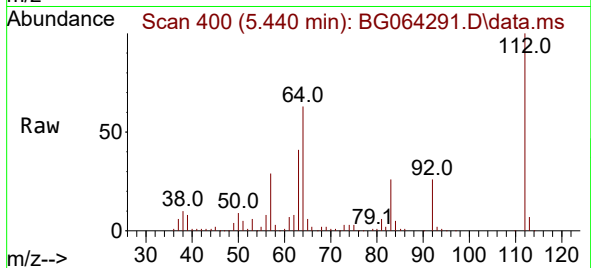
Tgt Ion: 42 Resp: 8610
Ion Ratio Lower Upper
42 100
74 67.8 58.0 87.0
44 10.9 5.5 8.3





#5
2-Fluorophenol
Concen: 113.610 ng
RT: 5.440 min Scan# 401
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

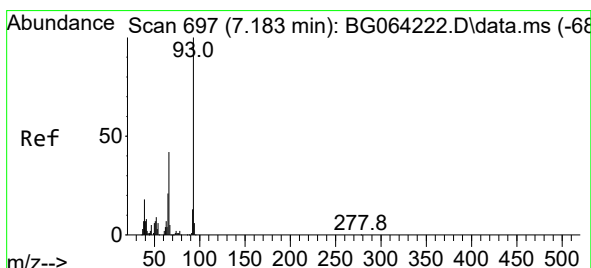
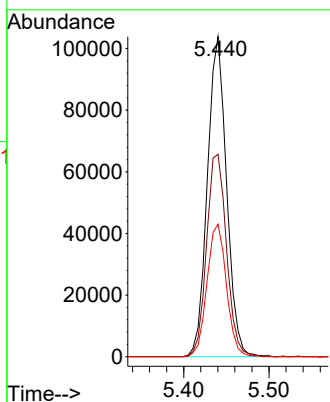
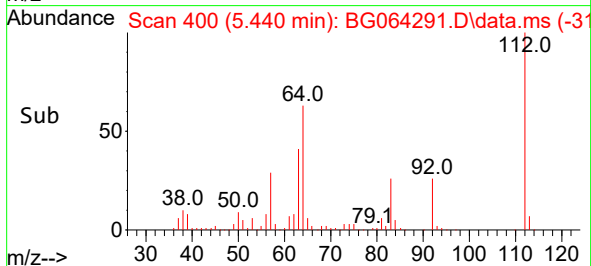
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:112 Resp: 162510
Ion Ratio Lower Upper
112 100
64 63.3 51.8 77.6
63 41.4 30.6 45.8

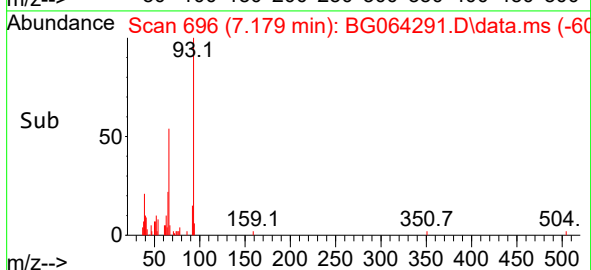
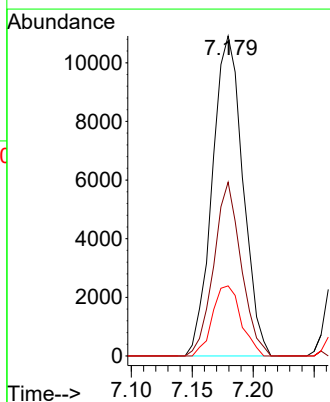
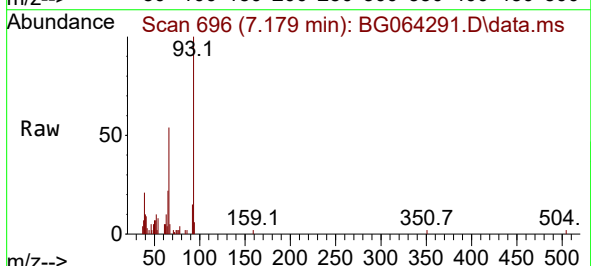
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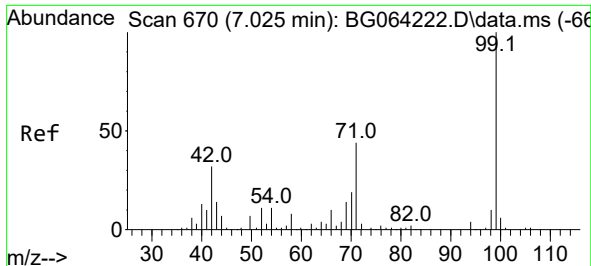
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#6
Aniline
Concen: 7.019 ng
RT: 7.179 min Scan# 696
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

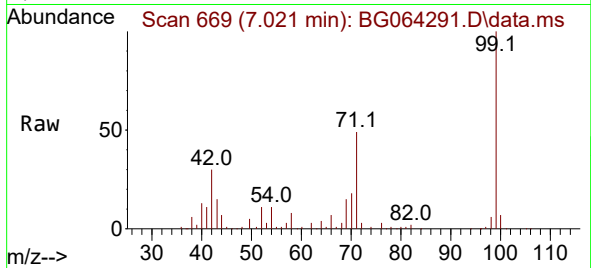
Tgt Ion: 93 Resp: 19075
Ion Ratio Lower Upper
93 100
66 54.3 33.8 50.8#
65 21.9 16.9 25.3





#7
Phenol-d6
Concen: 116.564 ng
RT: 7.021 min Scan# 609
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

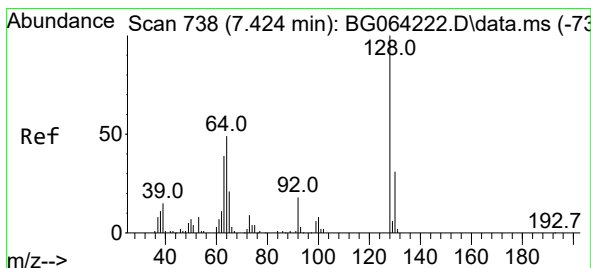
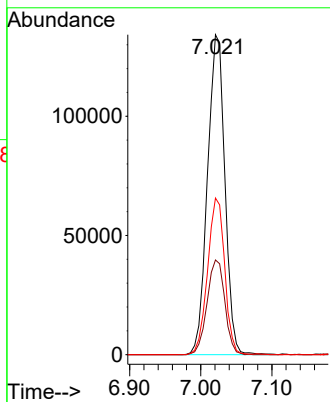
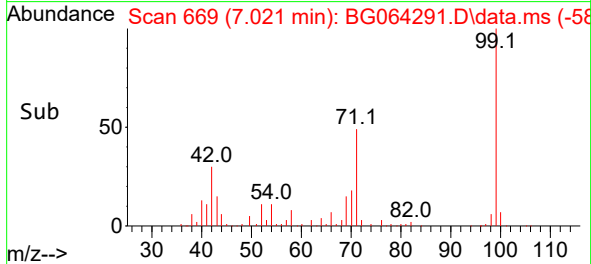
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ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 99 Resp: 229065
Ion Ratio Lower Upper
99 100
42 29.6 25.8 38.8
71 49.0 35.2 52.8

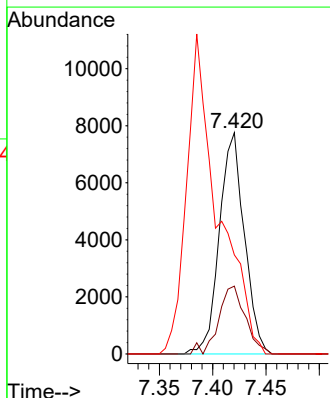
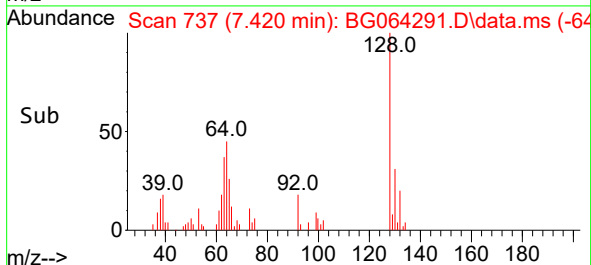
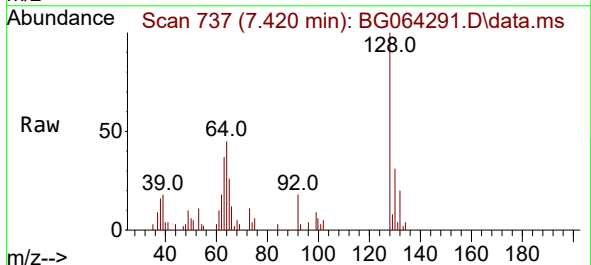
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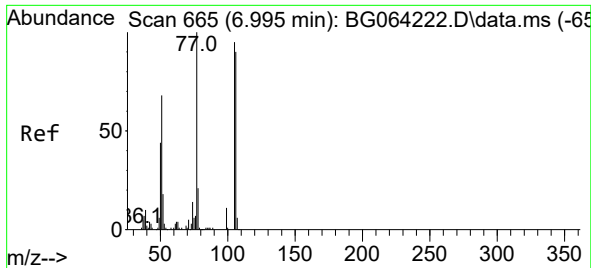
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#8
2-Chlorophenol
Concen: 7.211 ng
RT: 7.420 min Scan# 737
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

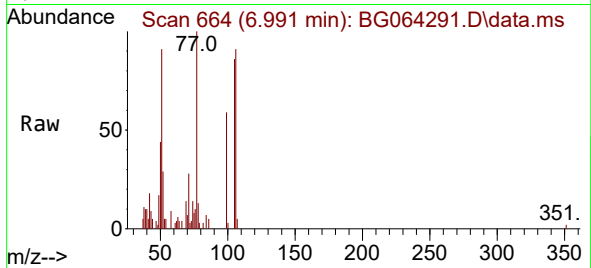
Tgt Ion:128 Resp: 12605
Ion Ratio Lower Upper
128 100
130 30.7 10.9 50.9
64 44.7 28.7 68.7





#9
Benzaldehyde
Concen: 6.410 ng
RT: 6.991 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

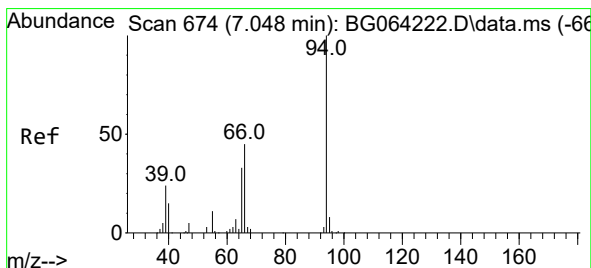
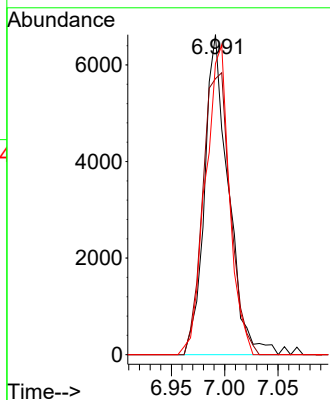
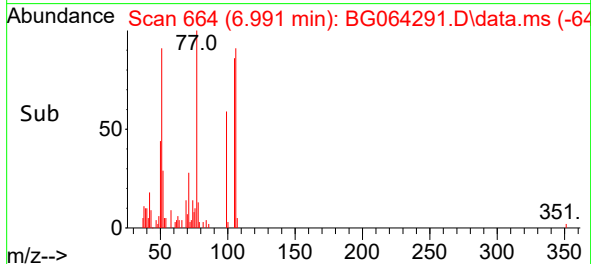
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 77 Resp: 1036
Ion Ratio Lower Upper
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105 86.2 75.2 115.2
106 91.0 69.6 109.6

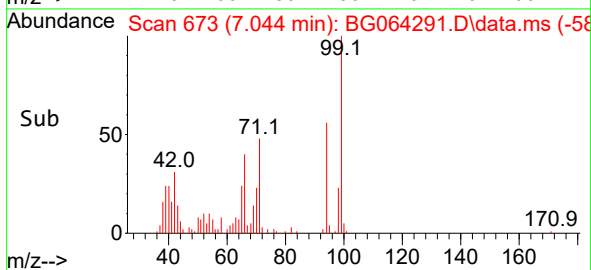
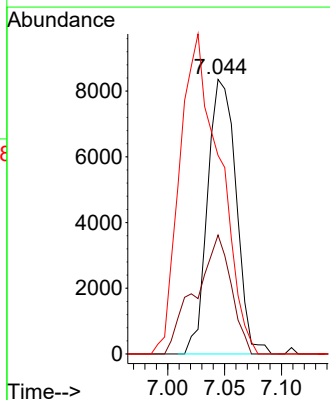
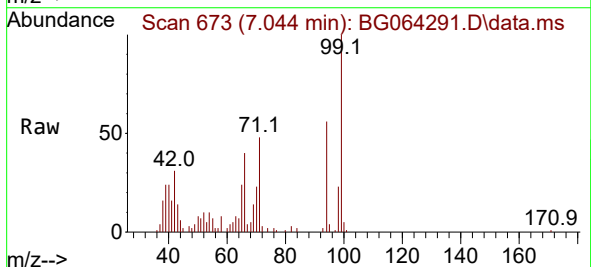
Manual Integrations
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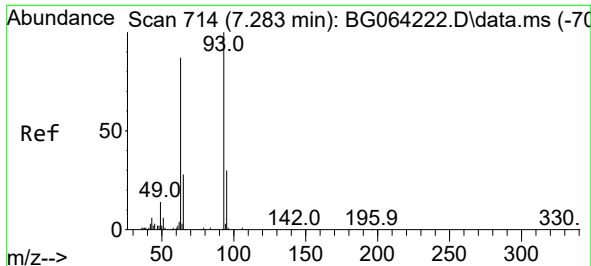
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#10
Phenol
Concen: 6.729 ng
RT: 7.044 min Scan# 673
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

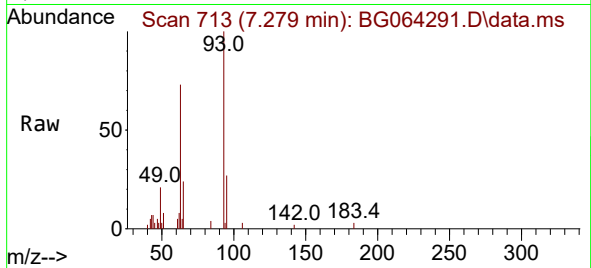
Tgt Ion: 94 Resp: 14580
Ion Ratio Lower Upper
94 100
65 43.3 13.5 53.5
66 72.3 26.2 66.2#





#11
bis(2-Chloroethyl)ether
Concen: 6.475 ng
RT: 7.279 min Scan# 714
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

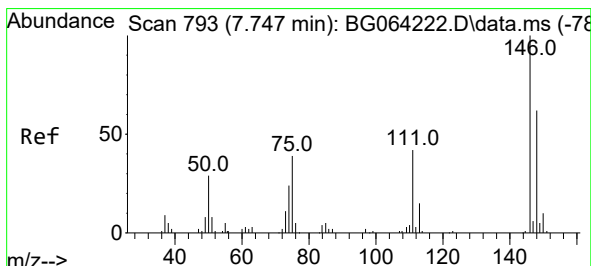
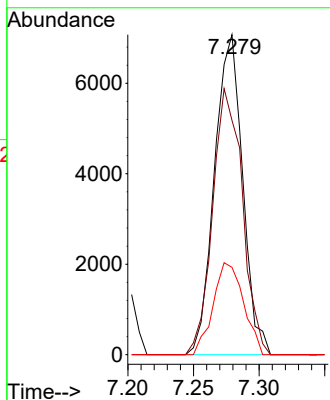
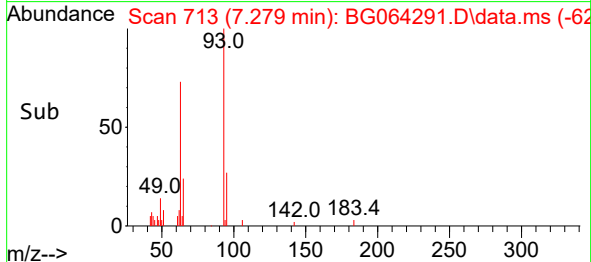
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 93 Resp: 1054
Ion Ratio Lower Upper
93 100
63 73.2 66.2 106.2
95 27.3 9.8 49.8

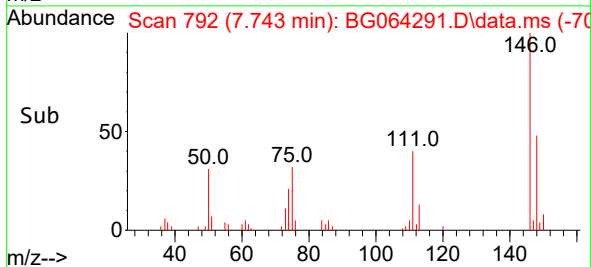
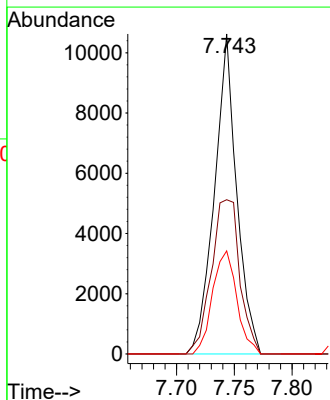
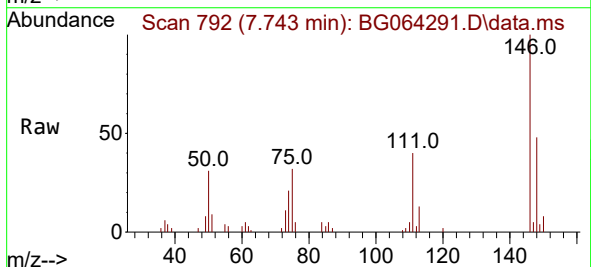
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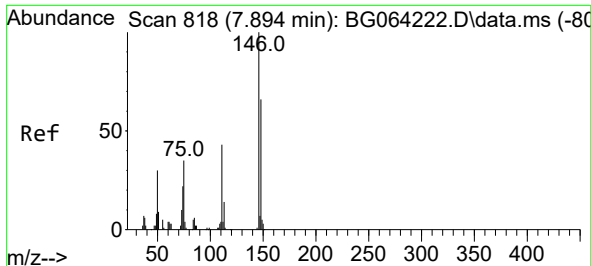
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#12
1,3-Dichlorobenzene
Concen: 7.660 ng m
RT: 7.743 min Scan# 792
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

Tgt Ion:146 Resp: 14244
Ion Ratio Lower Upper
146 100
148 48.2 49.6 74.4#
75 32.2 31.0 46.6





#13

1,4-Dichlorobenzene

Concen: 7.702 ng

RT: 7.890 min Scan# 81

Delta R.T. -0.004 min

Lab File: BG064291.D

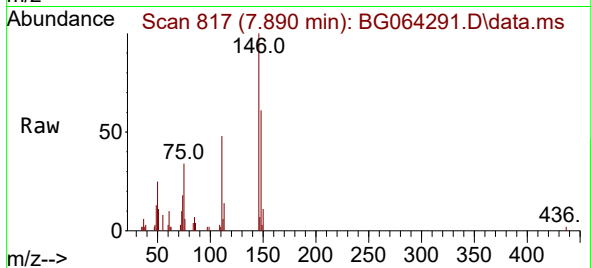
Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025



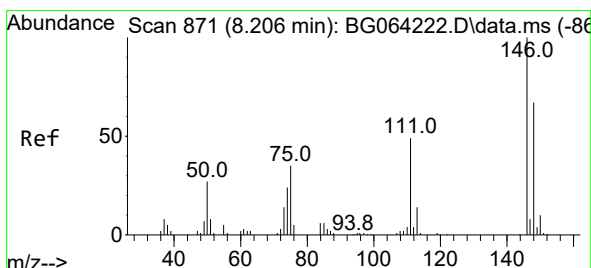
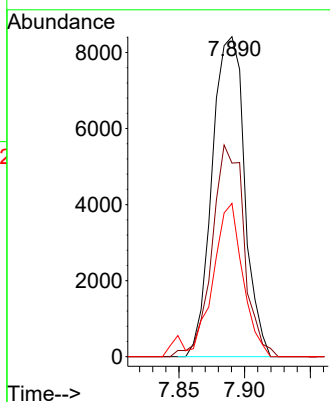
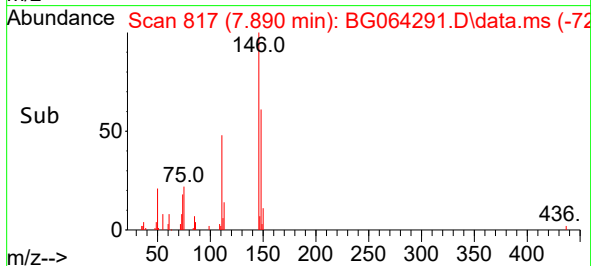
Tgt Ion:	146	Resp:	14454
Ion Ratio	Lower	Upper	
146	100		
148	60.5	52.8	79.2
111	47.9	34.1	51.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#14

1,2-Dichlorobenzene

Concen: 7.396 ng m

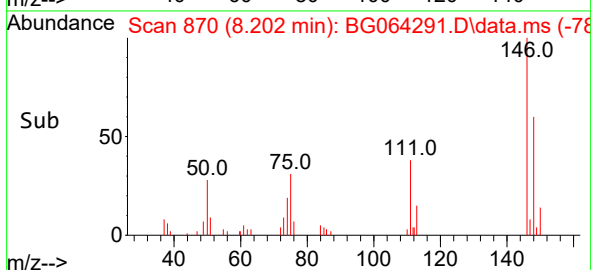
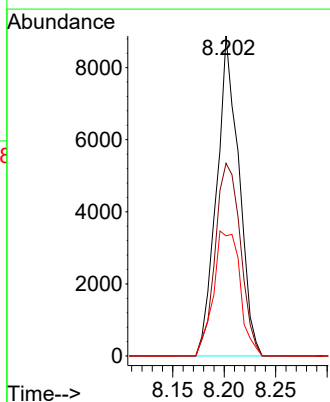
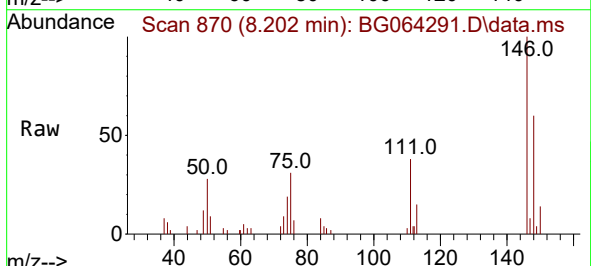
RT: 8.202 min Scan# 870

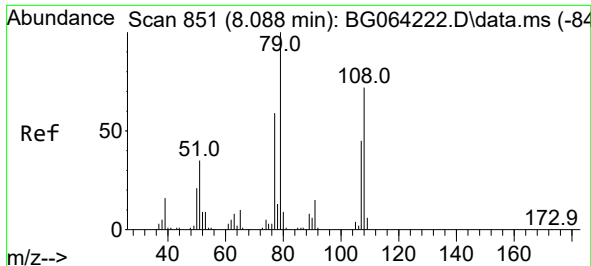
Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:	146	Resp:	13397
Ion Ratio	Lower	Upper	
146	100		
148	60.2	53.4	80.0
111	37.5	39.1	58.7#





#15

Benzyl Alcohol

Concen: 6.995 ng

RT: 8.084 min Scan# 851

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 79 Resp: 12680

Ion Ratio Lower Upper

79 100

108 56.9 57.4 86.0

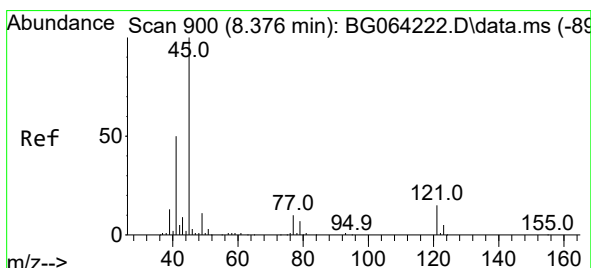
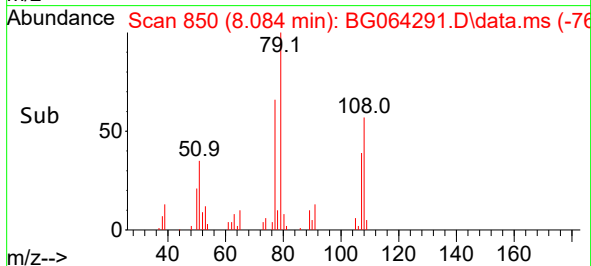
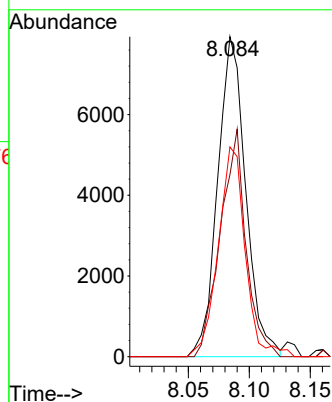
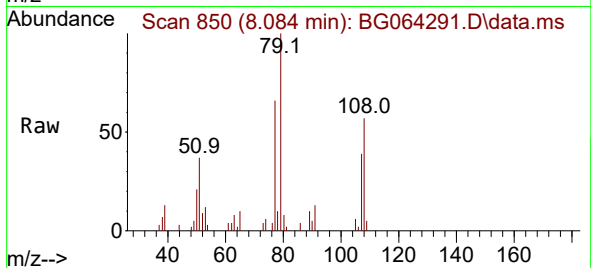
77 65.6 47.2 70.8

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.778 ng

RT: 8.378 min Scan# 900

Delta R.T. 0.002 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

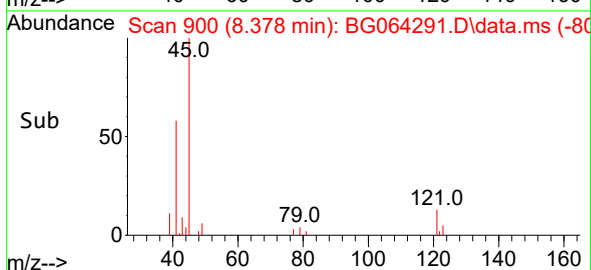
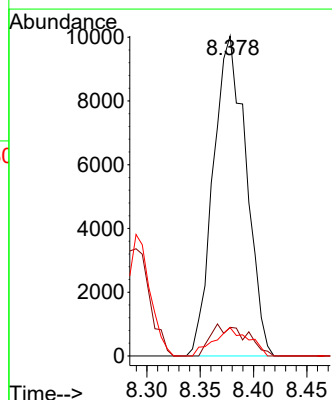
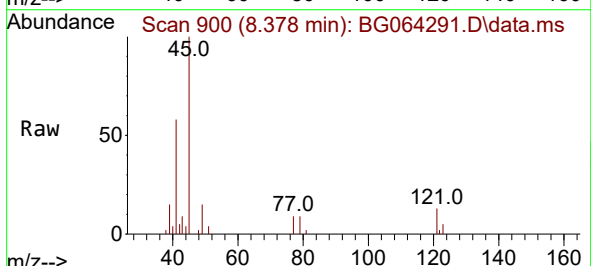
Tgt Ion: 45 Resp: 21478

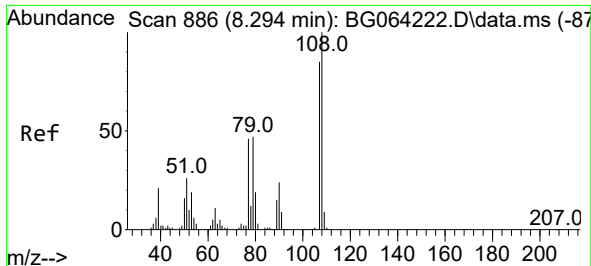
Ion Ratio Lower Upper

45 100

77 8.9 0.0 30.0

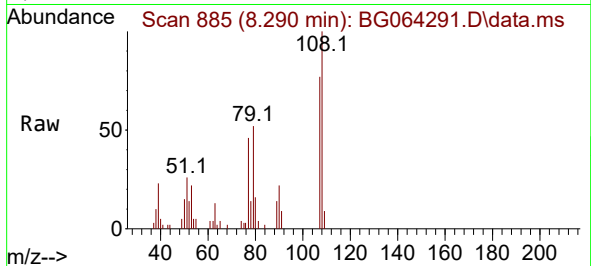
79 8.9 0.0 27.9





#17
2-Methylphenol
Concen: 6.335 ng
RT: 8.290 min Scan# 886
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

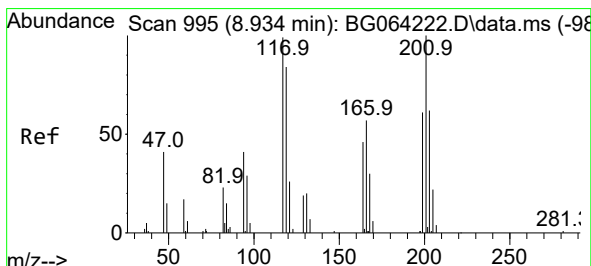
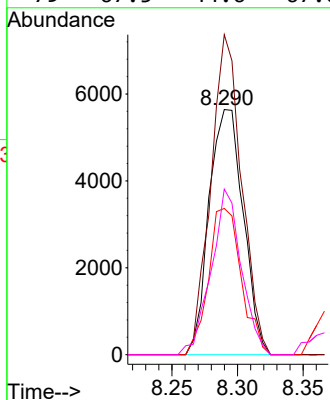
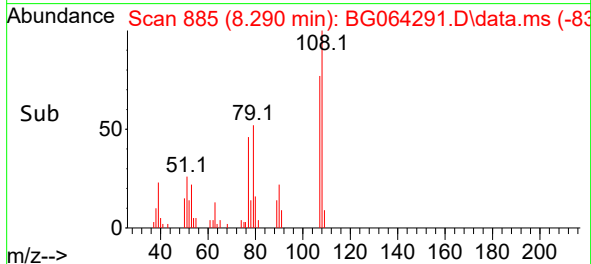
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:	107	Resp:	10229
Ion	Ratio	Lower	Upper
107	100		
108	130.5	94.6	141.8
77	59.6	43.7	65.5
79	67.5	44.6	67.0

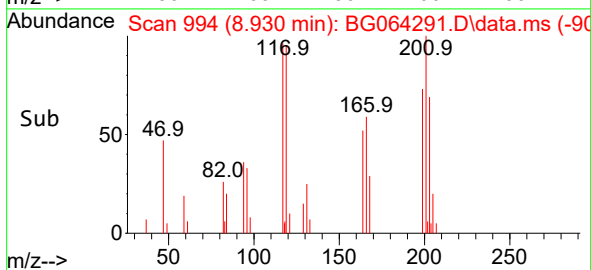
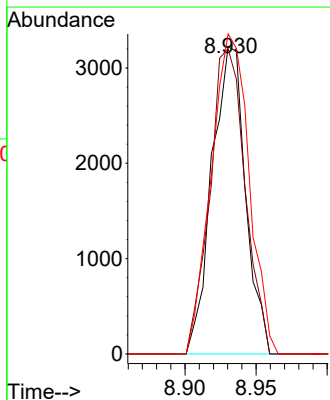
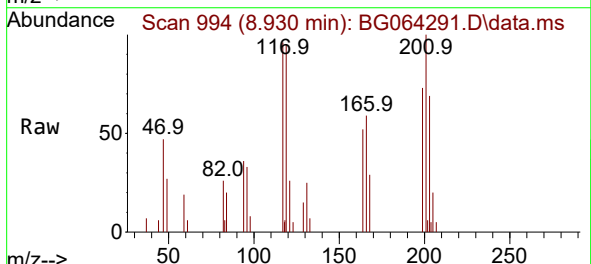
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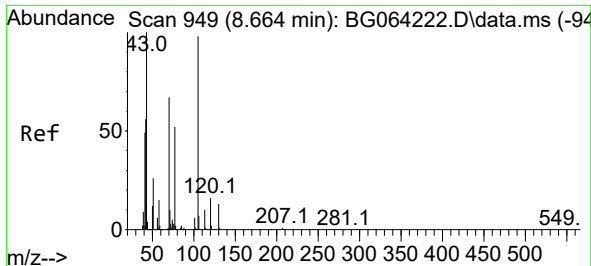
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#18
Hexachloroethane
Concen: 7.235 ng
RT: 8.930 min Scan# 994
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

Tgt Ion:	117	Resp:	5300
Ion	Ratio	Lower	Upper
117	100		
119	99.2	67.9	101.9
201	104.0	80.5	120.7





#19

n-Nitroso-di-n-propylamine

Concen: 6.654 ng

RT: 8.654 min Scan# 94

Delta R.T. -0.010 min

Lab File: BG064291.D

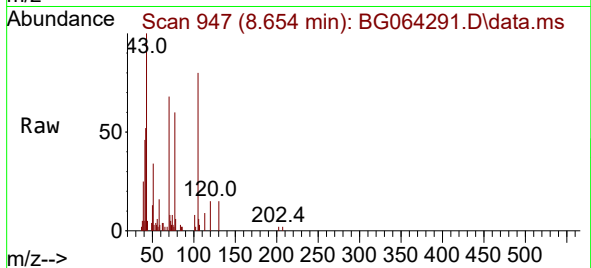
Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion: 70 Resp: 1000

Ion Ratio Lower Upper

70 100

42 76.4 67.9 101.9

101 11.7 7.3 10.9

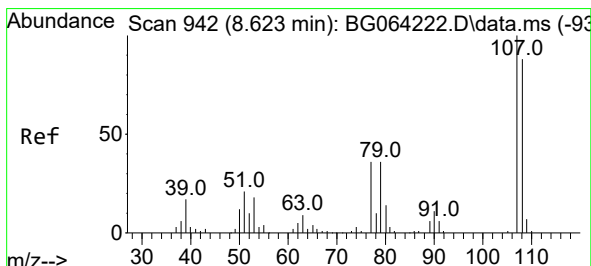
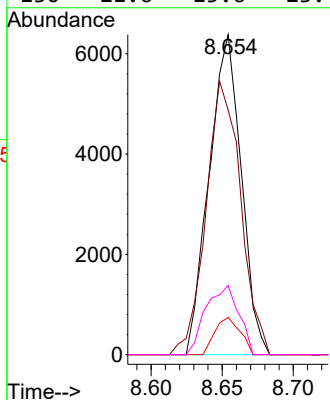
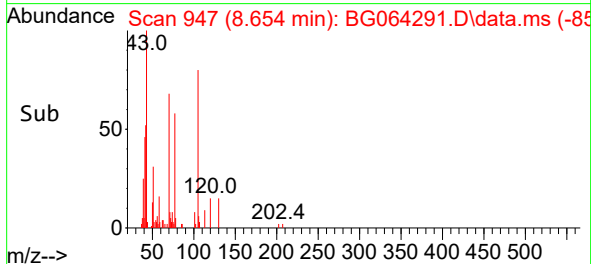
130 21.6 15.6 23.4

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#20

3+4-Methylphenols

Concen: 5.960 ng

RT: 8.613 min Scan# 940

Delta R.T. -0.016 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:107 Resp: 13373

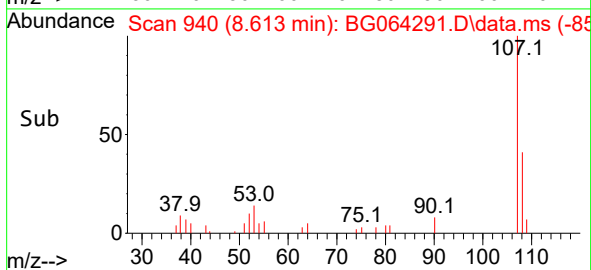
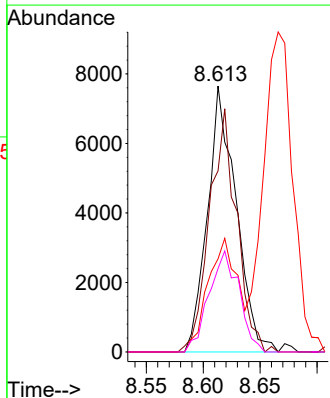
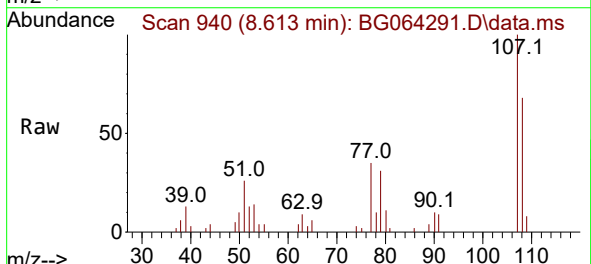
Ion Ratio Lower Upper

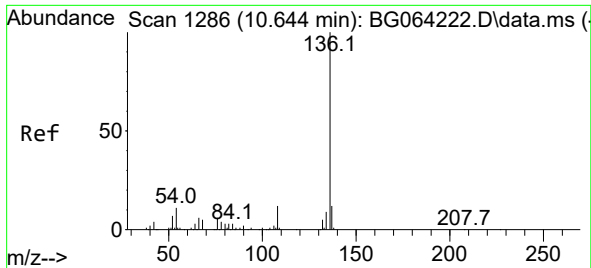
107 100

108 68.2 68.1 108.1

77 35.1 15.9 55.9

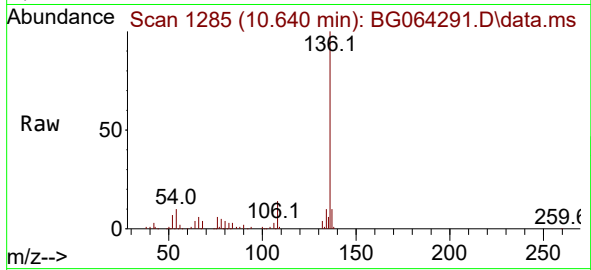
79 31.3 16.0 56.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 1286
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

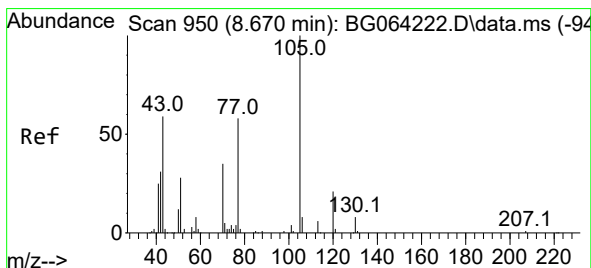
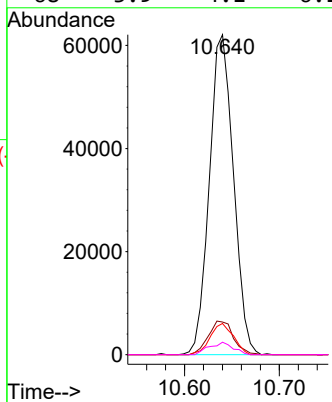
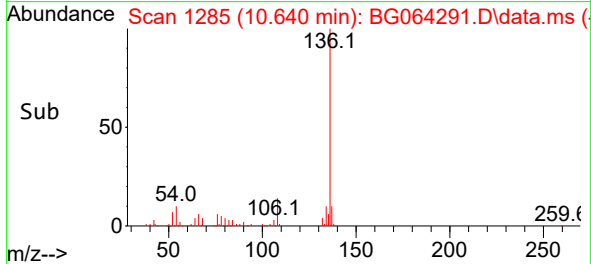
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 109658
Ion Ratio Lower Upper
136 100
137 10.2 9.6 14.4
54 9.7 8.8 13.2
68 3.9 4.1 6.1#

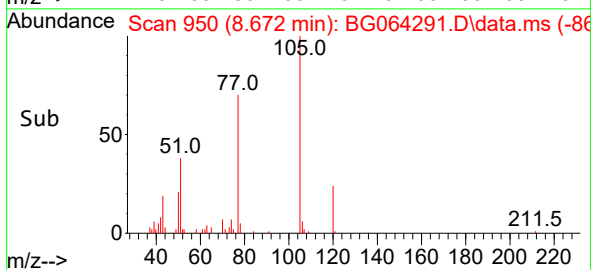
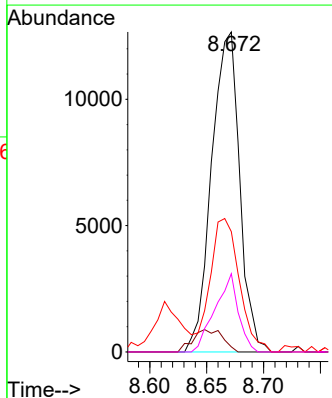
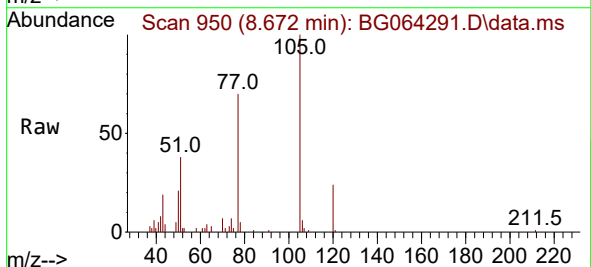
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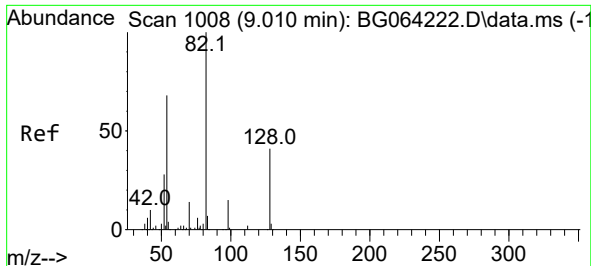
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#22
Acetophenone
Concen: 7.830 ng
RT: 8.672 min Scan# 950
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

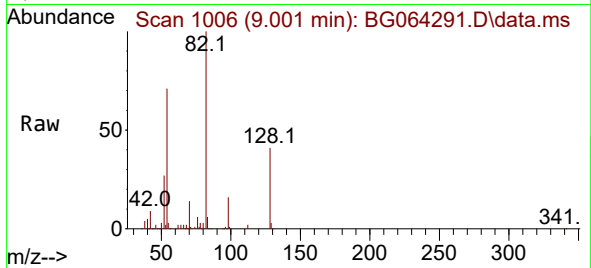
Tgt Ion:105 Resp: 21723
Ion Ratio Lower Upper
105 100
71 1.6 4.3 6.5#
51 37.6 32.4 48.6
120 24.4 16.8 25.2





#23
Nitrobenzene-d5
Concen: 87.906 ng
RT: 9.001 min Scan# 1006
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

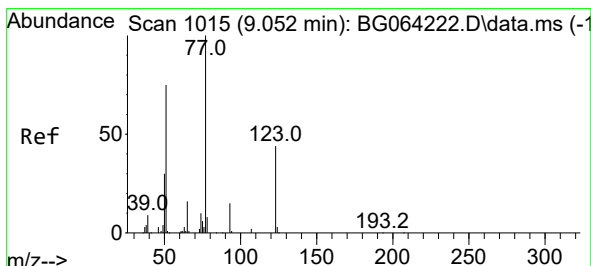
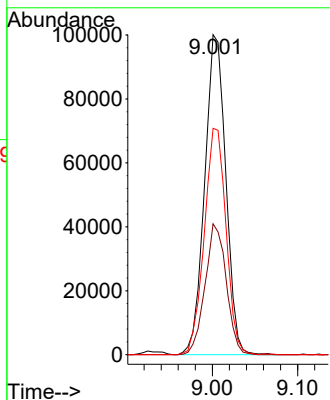
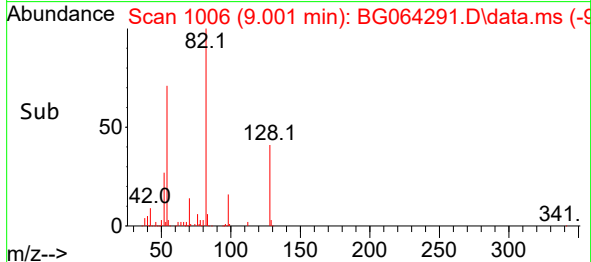
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 82 Resp: 17284
Ion Ratio Lower Upper
82 100
128 40.9 32.6 48.8
54 70.7 54.7 82.1

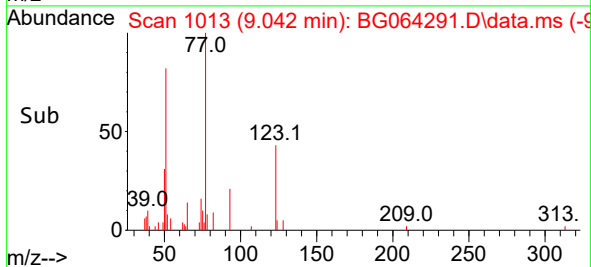
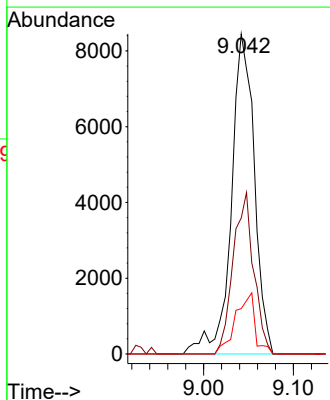
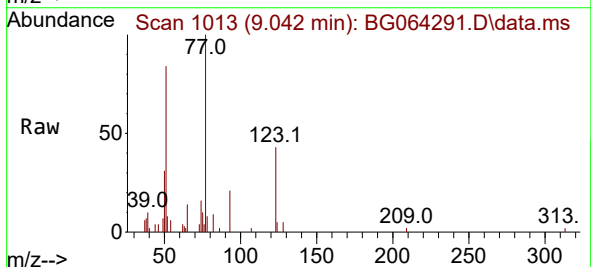
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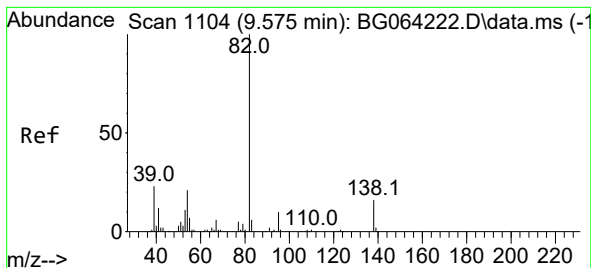
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#24
Nitrobenzene
Concen: 7.316 ng
RT: 9.042 min Scan# 1013
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

Tgt Ion: 77 Resp: 15029
Ion Ratio Lower Upper
77 100
123 42.5 35.2 52.8
65 14.2 12.6 19.0





#25

Isophorone

Concen: 7.614 ng

RT: 9.565 min Scan# 1102

Delta R.T. -0.022 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 82 Resp: 3111

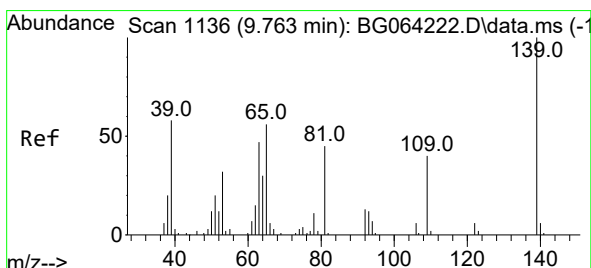
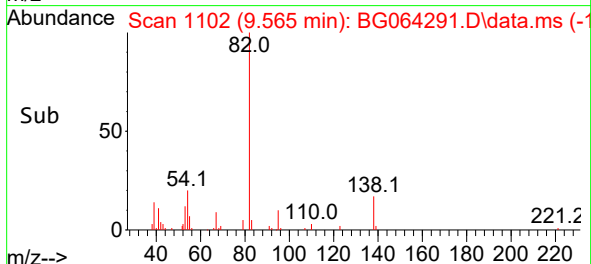
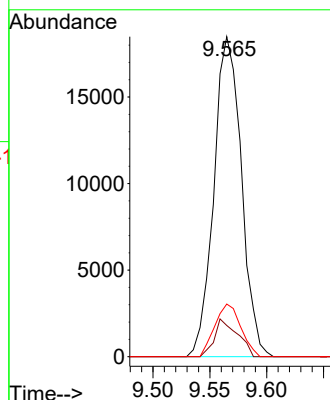
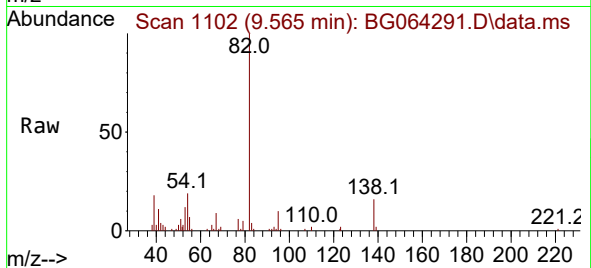
Ion	Ratio	Lower	Upper
82	100		
95	9.7	7.9	11.9
138	16.4	13.0	19.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#26

2-Nitrophenol

Concen: 7.781 ng

RT: 9.753 min Scan# 1134

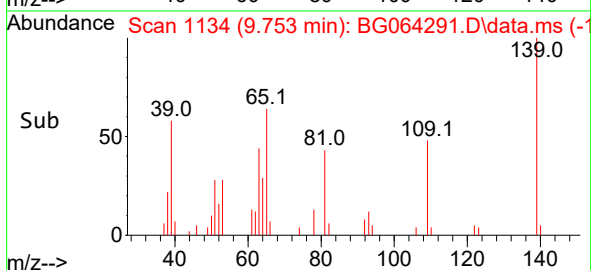
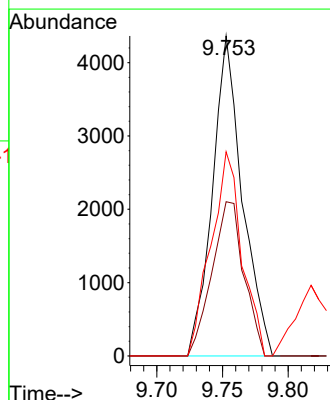
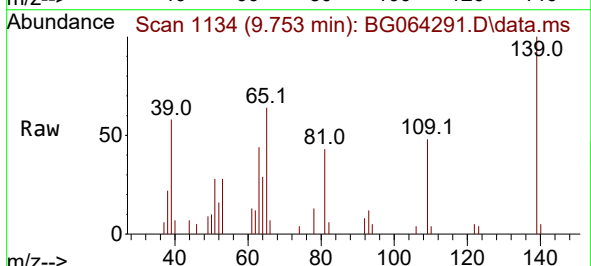
Delta R.T. -0.010 min

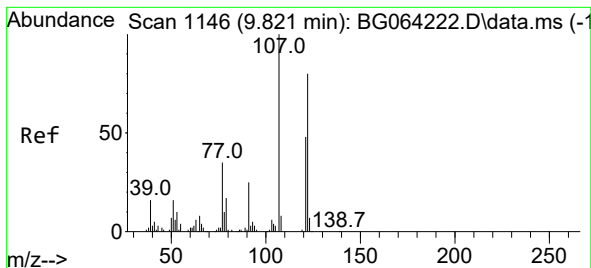
Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:139 Resp: 6907

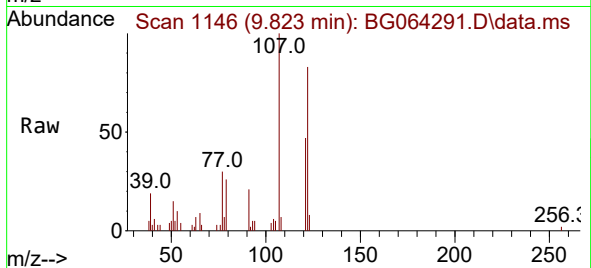
Ion	Ratio	Lower	Upper
139	100		
109	48.2	32.4	48.6
65	63.8	44.6	67.0





#27
2,4-Dimethylphenol
Concen: 7.974 ng
RT: 9.823 min Scan# 1146
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

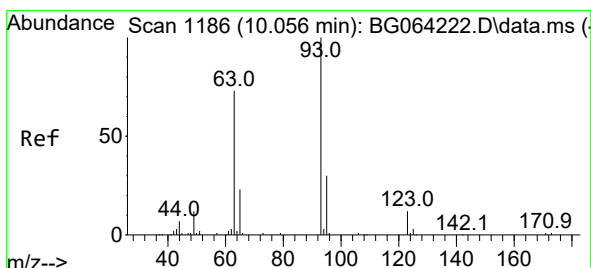
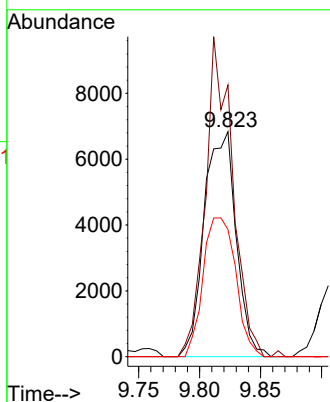
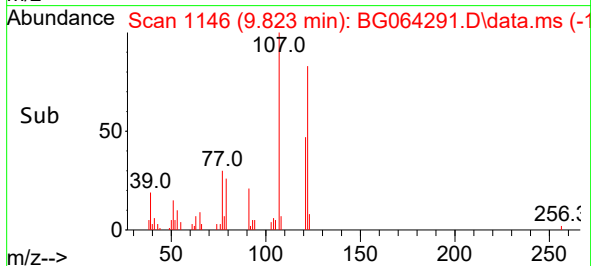
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



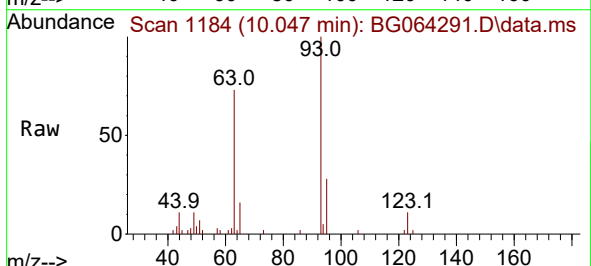
Tgt Ion:122 Resp: 1242
Ion Ratio Lower Upper
122 100
107 120.8 99.9 149.9
121 56.5 48.6 72.8

Manual Integrations
APPROVED

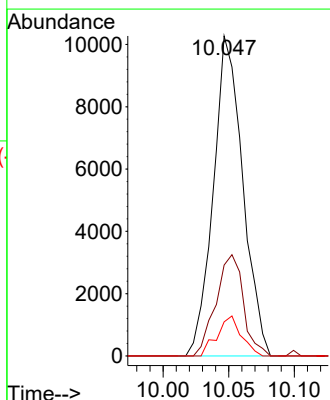
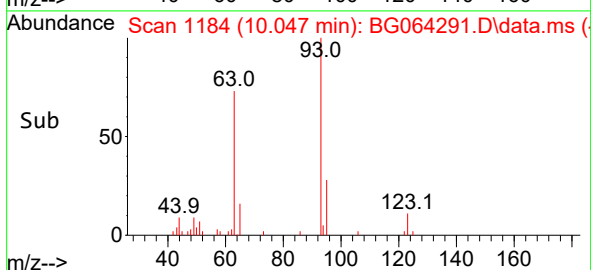
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

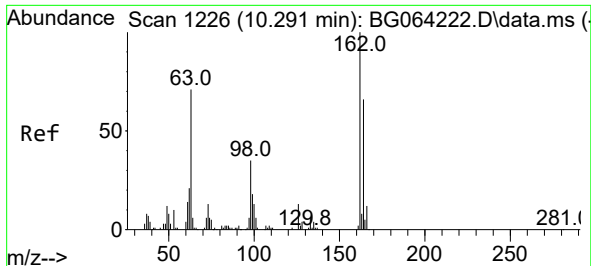


#28
bis(2-Chloroethoxy)methane
Concen: 7.271 ng
RT: 10.047 min Scan# 1184
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



Tgt Ion: 93 Resp: 16021
Ion Ratio Lower Upper
93 100
95 28.4 23.9 35.9
123 10.7 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 7.367 ng

RT: 10.287 min Scan# 1225

Delta R.T. -0.010 min

Lab File: BG064291.D

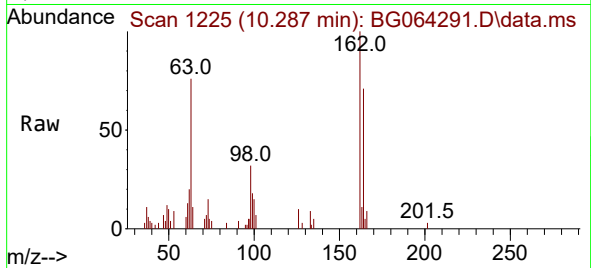
Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025



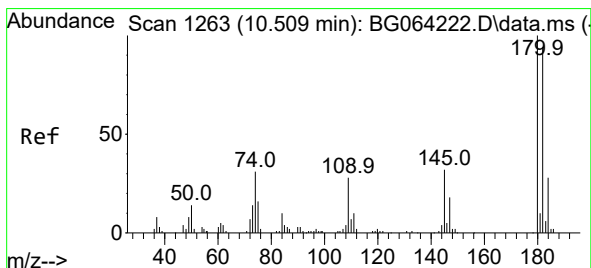
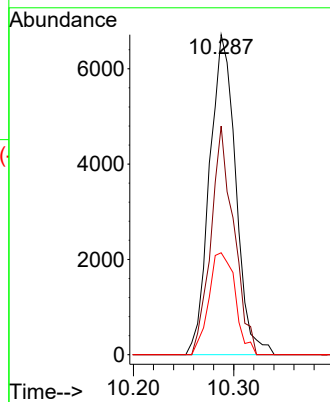
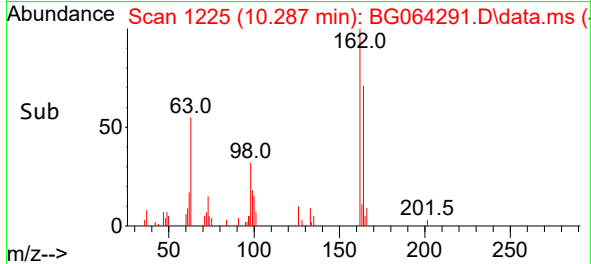
Tgt Ion:	162	Resp:	1211
Ion Ratio	Lower	Upper	
162	100		
164	71.4	45.8	85.8
98	31.9	15.2	55.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#30

1,2,4-Trichlorobenzene

Concen: 8.127 ng

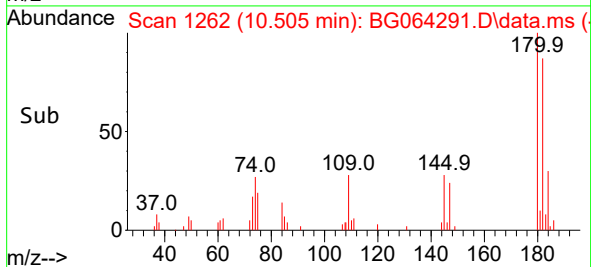
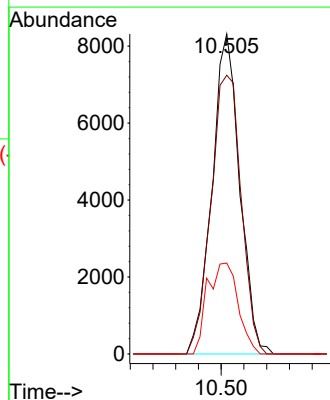
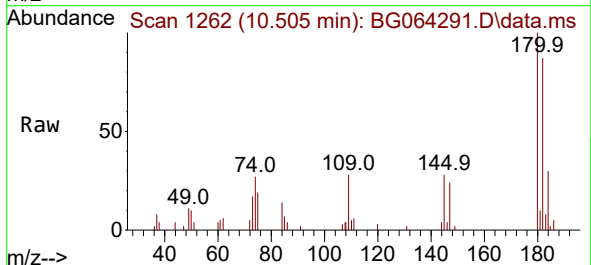
RT: 10.505 min Scan# 1262

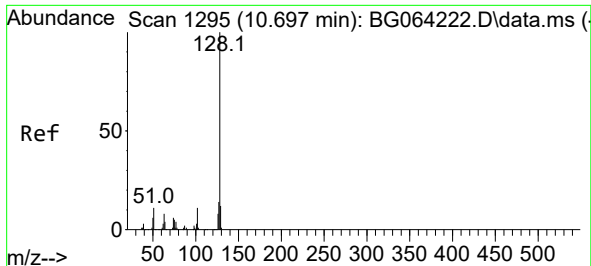
Delta R.T. -0.004 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

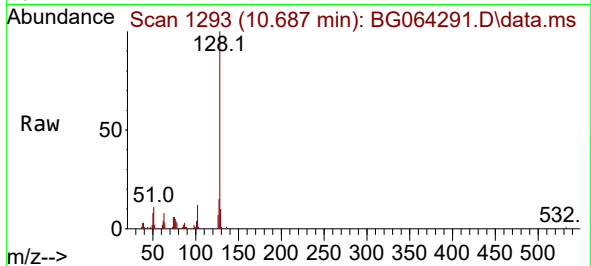
Tgt Ion:	180	Resp:	14091
Ion Ratio	Lower	Upper	
180	100		
182	87.1	75.0	112.6
145	28.4	25.4	38.0





#31
Naphthalene
Concen: 7.391 ng
RT: 10.687 min Scan# 1160
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

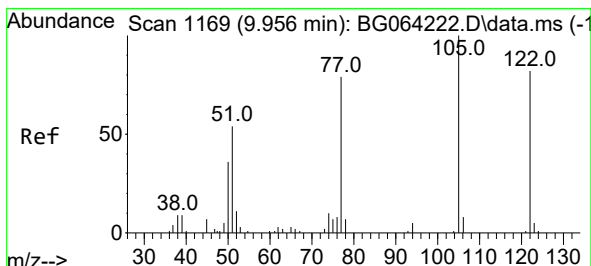
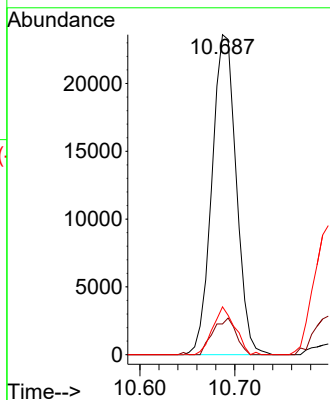
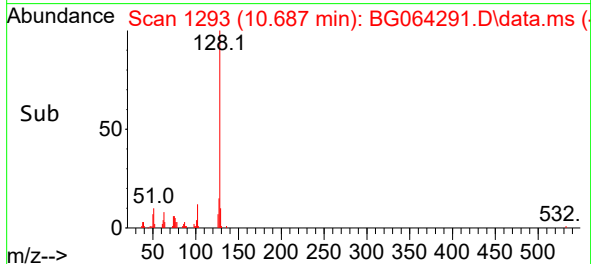
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 4202
Ion Ratio Lower Upper
128 100
129 9.6 9.4 14.2
127 15.0 10.9 16.3

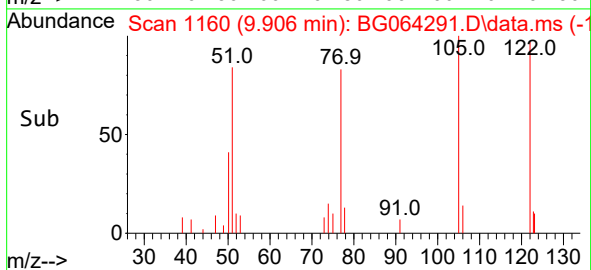
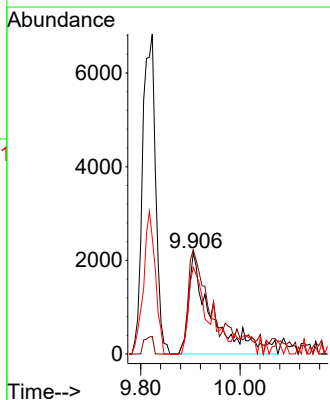
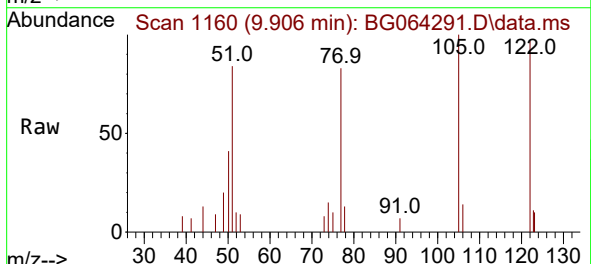
Manual Integrations
APPROVED

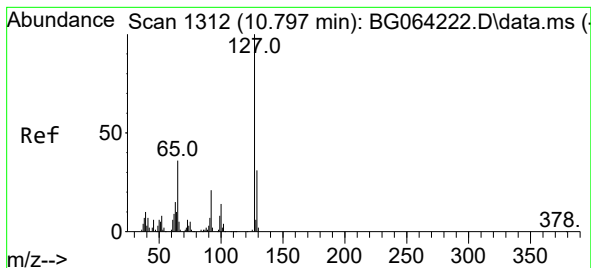
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#32
Benzoic acid
Concen: 5.769 ng m
RT: 9.906 min Scan# 1160
Delta R.T. -0.110 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

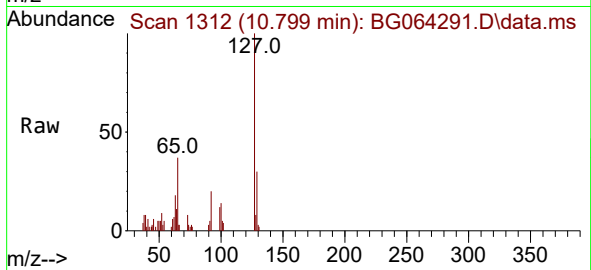
Tgt Ion:122 Resp: 7137
Ion Ratio Lower Upper
122 100
105 103.1 98.5 138.5
77 85.7 74.6 114.6





#33
4-Chloroaniline
Concen: 7.708 ng
RT: 10.799 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

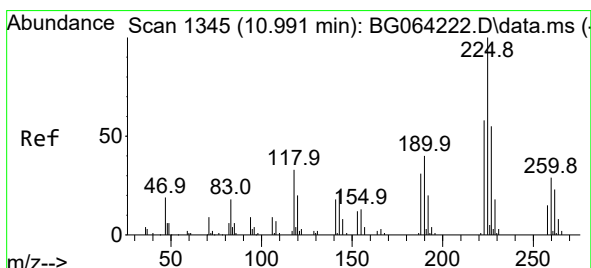
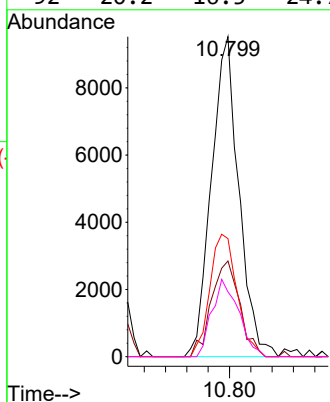
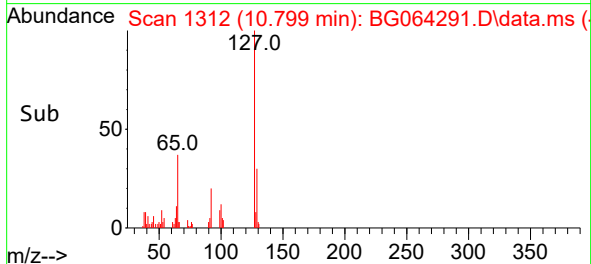
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:	127	Resp:	1698
Ion	Ratio	Lower	Upper
127	100		
129	29.9	25.0	37.4
65	36.9	28.7	43.1
92	20.2	16.5	24.7

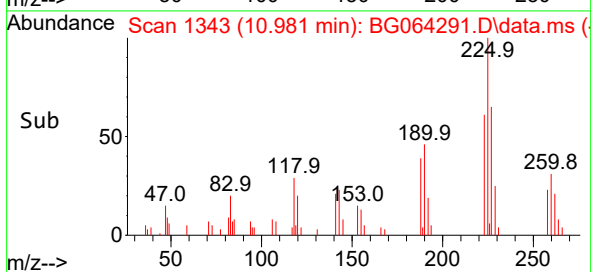
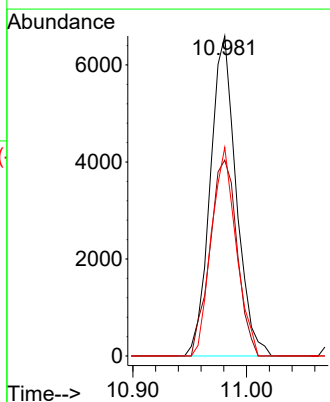
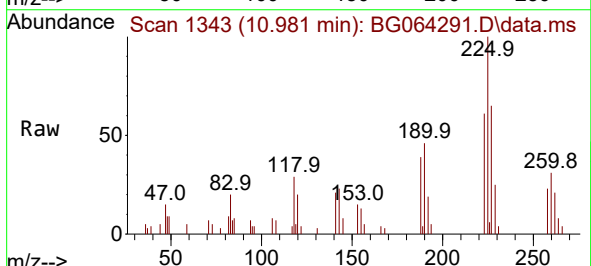
Manual Integrations
APPROVED

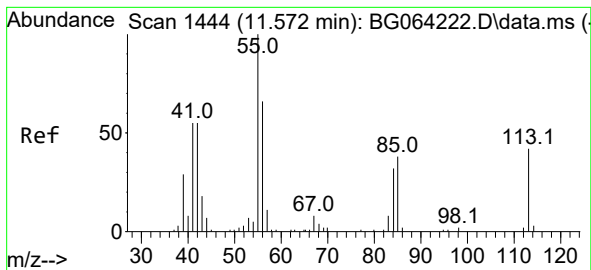
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#34
Hexachlorobutadiene
Concen: 8.172 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

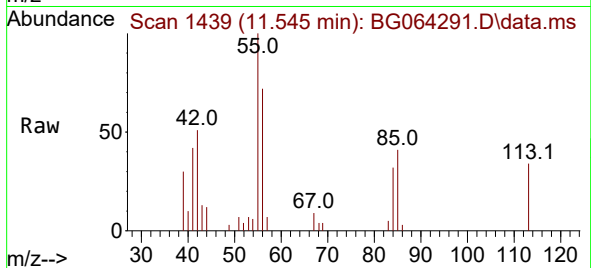
Tgt Ion:	225	Resp:	10473
Ion	Ratio	Lower	Upper
225	100		
223	61.2	46.5	69.7
227	65.2	44.1	66.1





#35
Caprolactam
Concen: 5.956 ng
RT: 11.545 min Scan# 1444
Delta R.T. -0.057 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

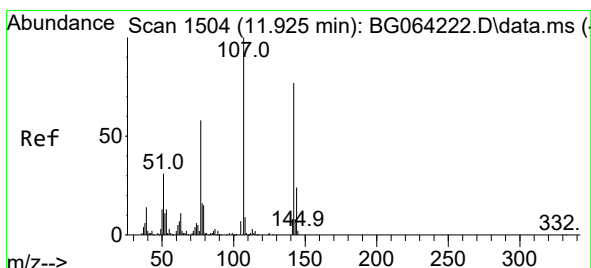
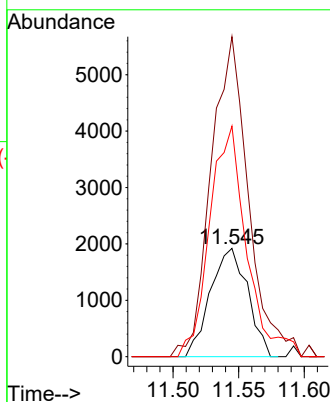
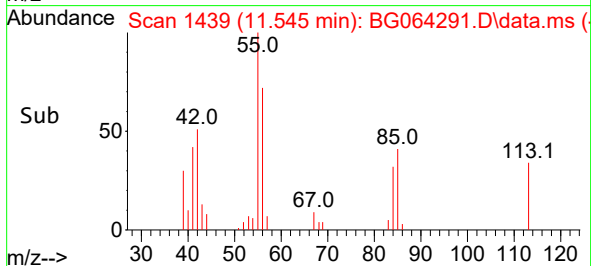
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:113 Resp: 3792
Ion Ratio Lower Upper
113 100
55 295.4 218.5 258.5
56 212.9 138.5 178.5

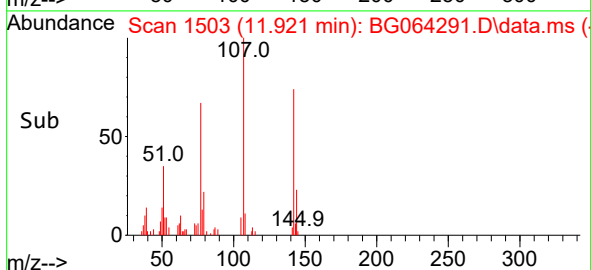
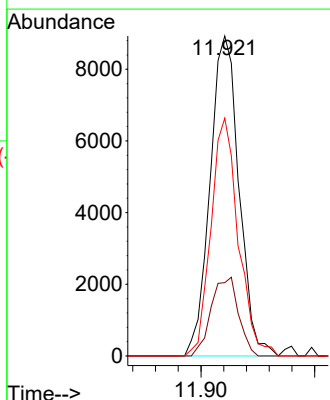
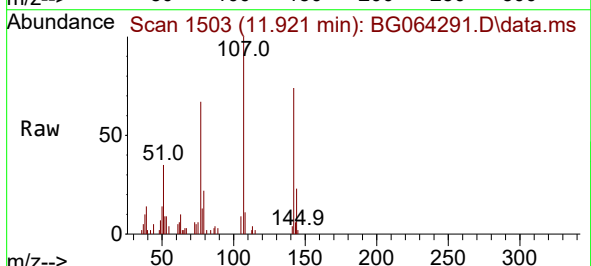
Manual Integrations
APPROVED

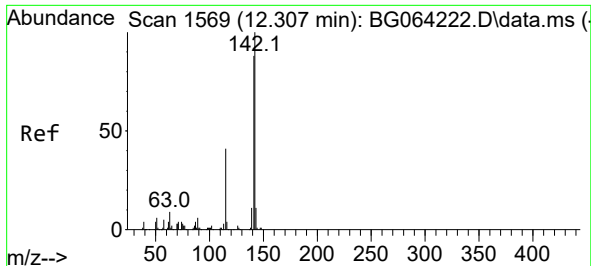
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#36
4-Chloro-3-methylphenol
Concen: 7.395 ng
RT: 11.921 min Scan# 1503
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

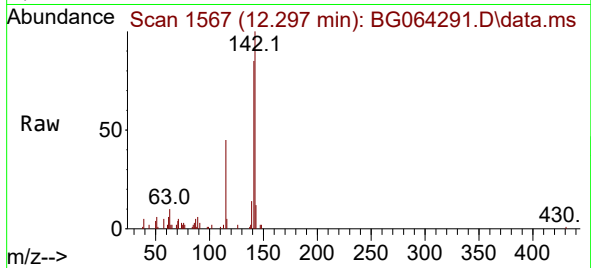
Tgt Ion:107 Resp: 15777
Ion Ratio Lower Upper
107 100
144 22.9 19.5 29.3
142 74.3 62.0 93.0





#37
2-Methylnaphthalene
Concen: 6.596 ng
RT: 12.297 min Scan# 1567
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

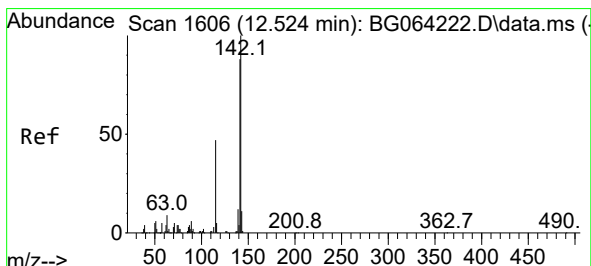
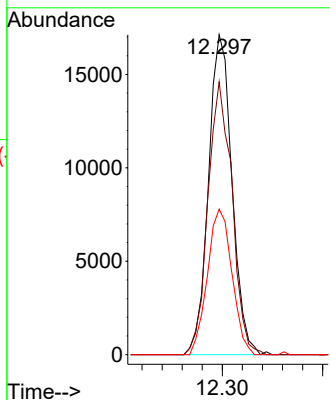
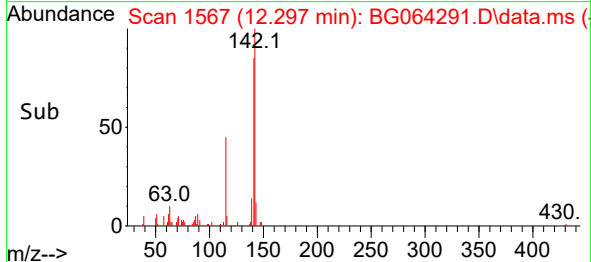
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



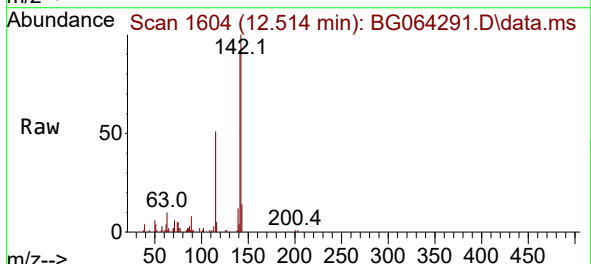
Tgt Ion:142 Resp: 27880
Ion Ratio Lower Upper
142 100
141 85.2 70.1 105.1
115 45.5 33.1 49.7

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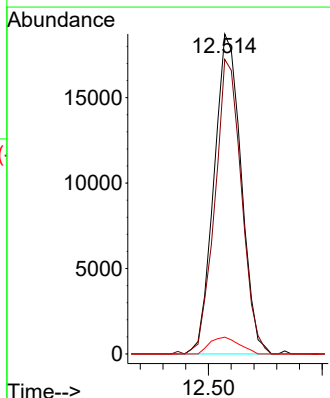
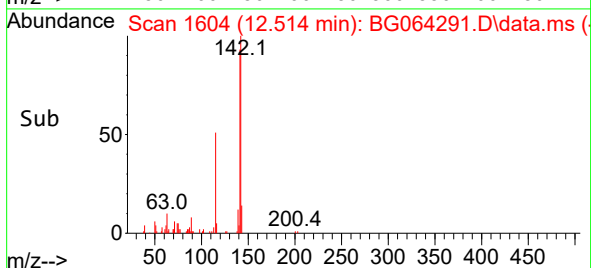
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

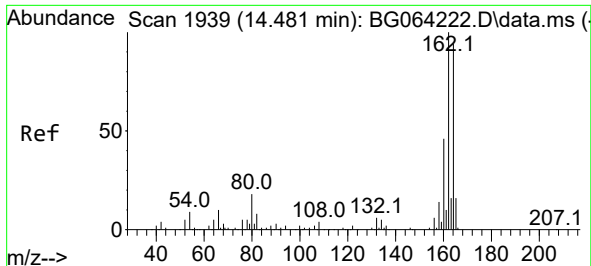


#38
1-Methylnaphthalene
Concen: 7.451 ng
RT: 12.514 min Scan# 1604
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



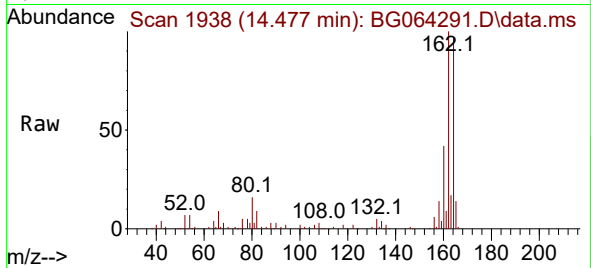
Tgt Ion:142 Resp: 31106
Ion Ratio Lower Upper
142 100
141 92.1 70.3 105.5
116 5.2 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.477 min Scan# 1939
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

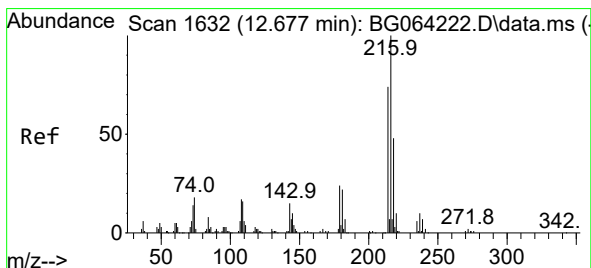
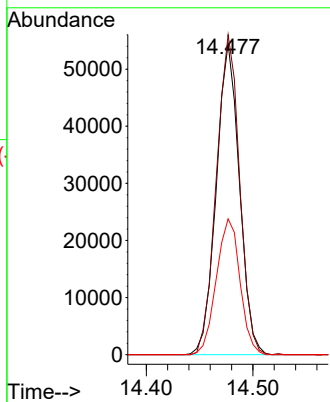
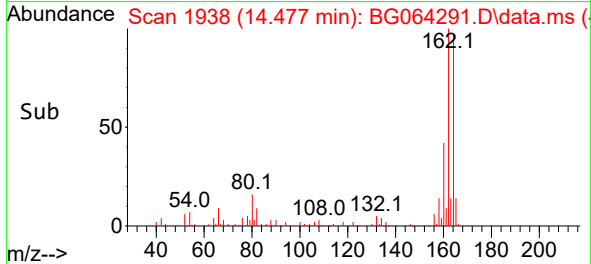
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



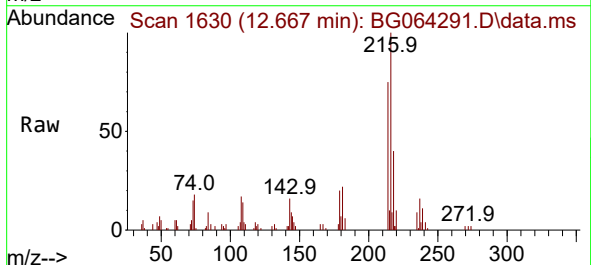
Tgt Ion:164 Resp: 81864
Ion Ratio Lower Upper
164 100
162 102.8 85.4 128.0
160 43.6 39.2 58.8

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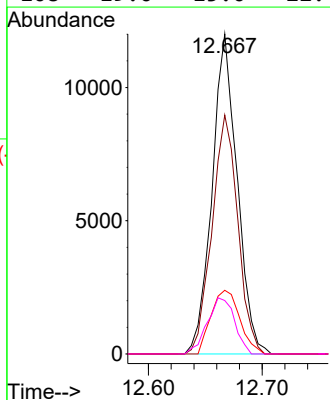
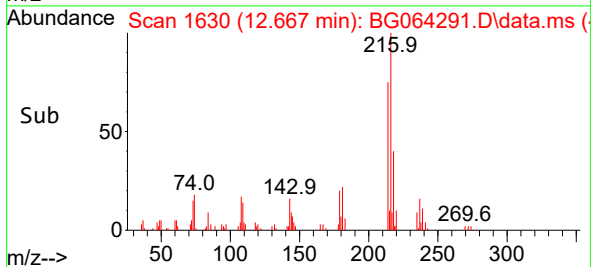
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

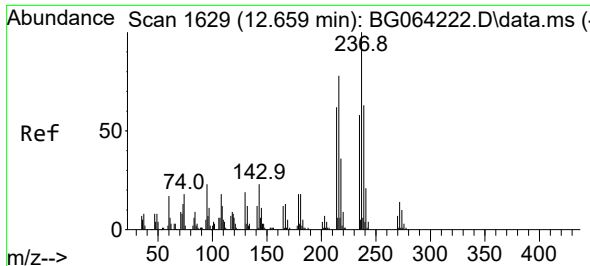


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.793 ng
RT: 12.667 min Scan# 1630
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



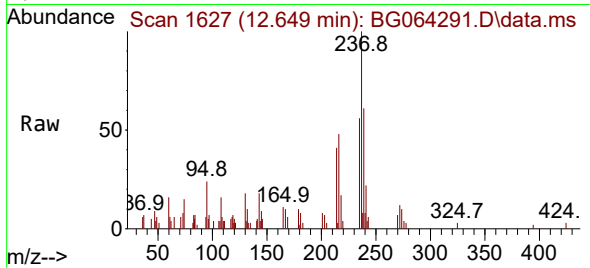
Tgt Ion:216 Resp: 18408
Ion Ratio Lower Upper
216 100
214 76.7 61.9 92.9
179 22.8 17.9 26.9
108 19.0 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 8.490 ng
RT: 12.649 min Scan# 1627
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

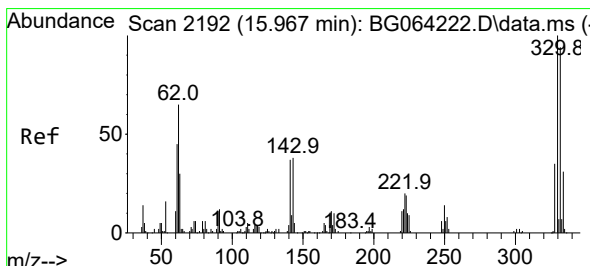
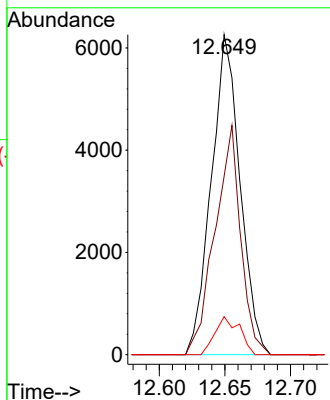
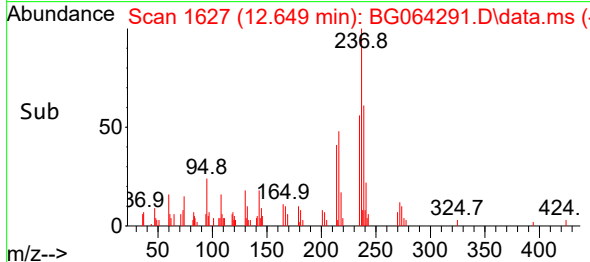
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



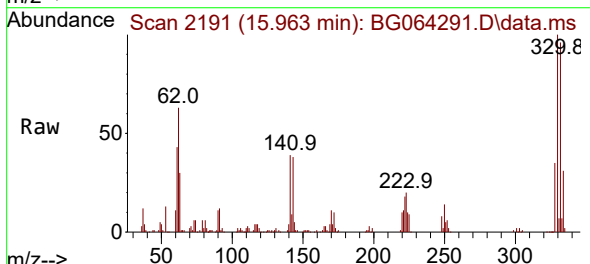
Tgt Ion:237 Resp: 953
Ion Ratio Lower Upper
237 100
235 55.7 37.9 77.9
272 11.9 0.0 33.8

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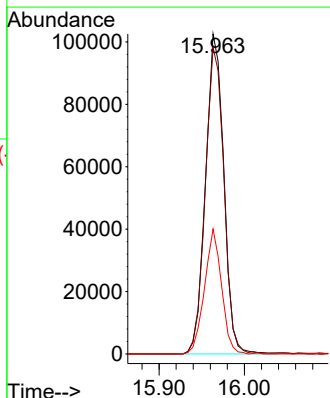
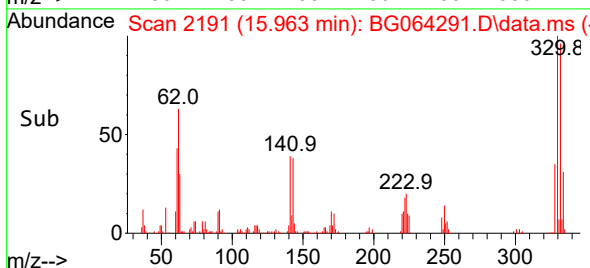
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

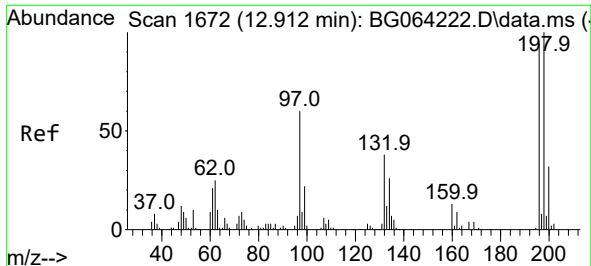


#42
2,4,6-Tribromophenol
Concen: 140.689 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



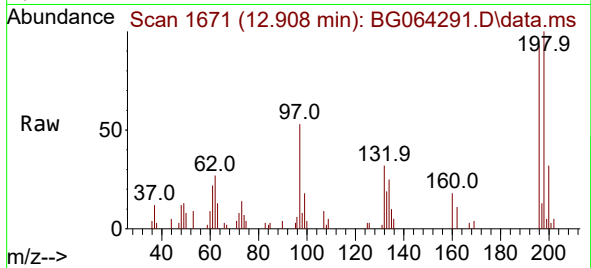
Tgt Ion:330 Resp: 152553
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 36.4 29.8 44.6





#43
2,4,6-Trichlorophenol
Concen: 7.371 ng
RT: 12.908 min Scan# 1671
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

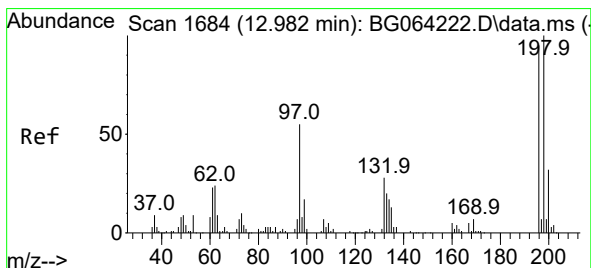
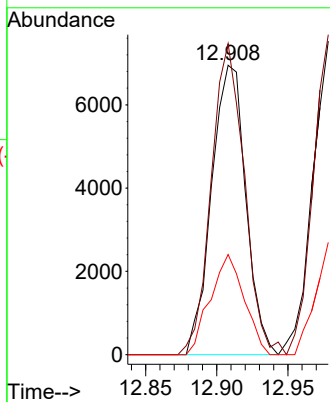
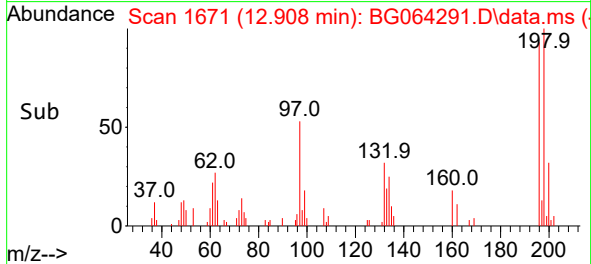
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



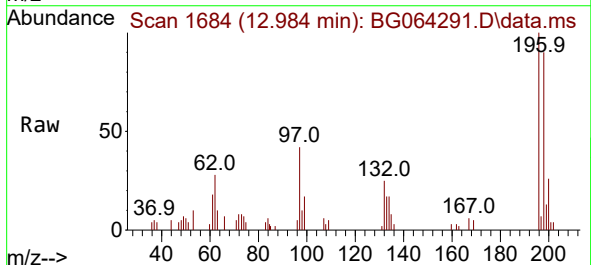
Tgt Ion:196 Resp: 1163
Ion Ratio Lower Upper
196 100
198 107.5 85.4 128.2
200 34.6 27.3 40.9

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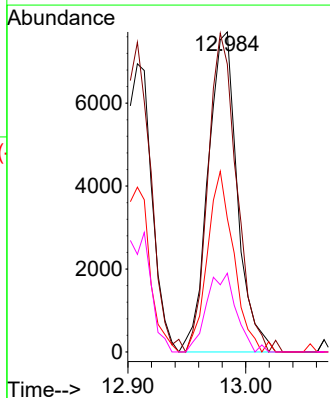
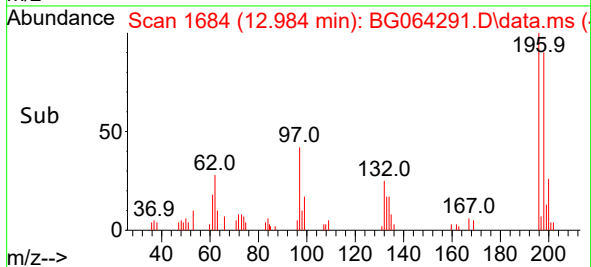
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

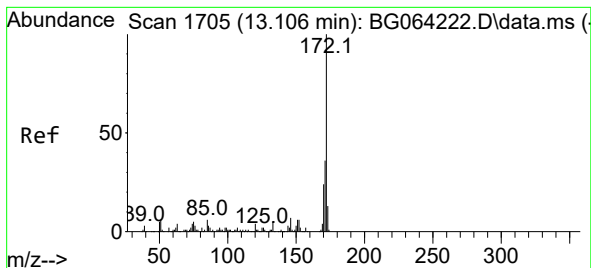


#44
2,4,5-Trichlorophenol
Concen: 7.792 ng m
RT: 12.984 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



Tgt Ion:196 Resp: 13345
Ion Ratio Lower Upper
196 100
198 89.9 84.5 126.7
97 41.8 46.8 70.2#
132 24.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 85.532 ng

RT: 13.102 min Scan# 1704

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:172 Resp: 458740

Ion Ratio Lower Upper

172 100

171 34.3 28.7 43.1

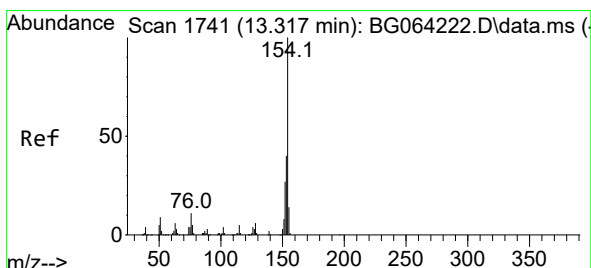
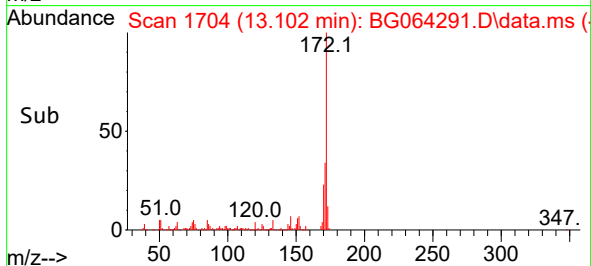
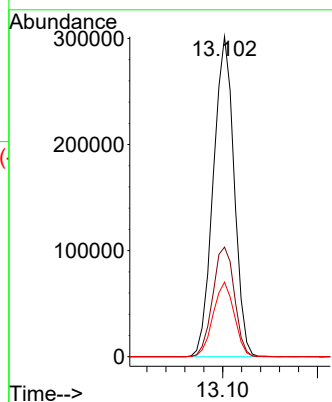
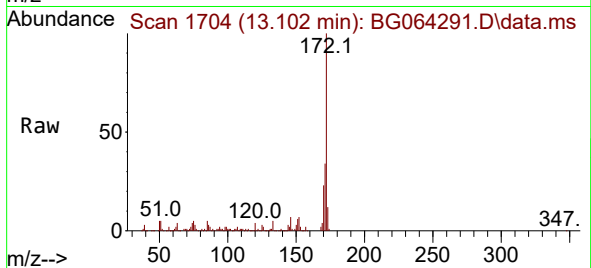
170 23.3 19.0 28.6

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: 7.339 ng

RT: 13.307 min Scan# 1739

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

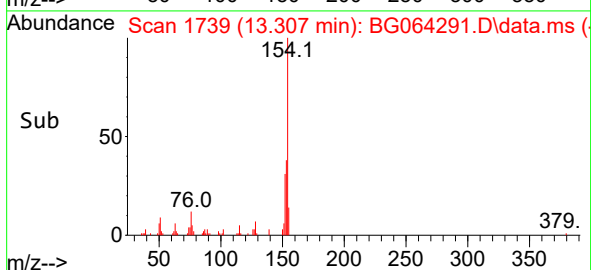
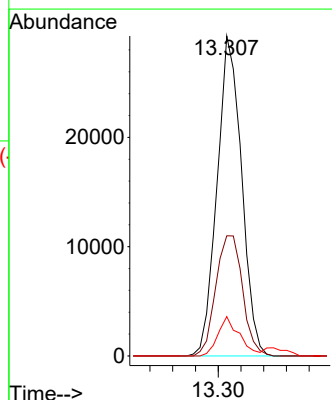
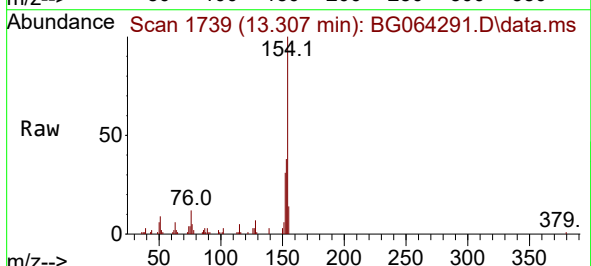
Tgt Ion:154 Resp: 43758

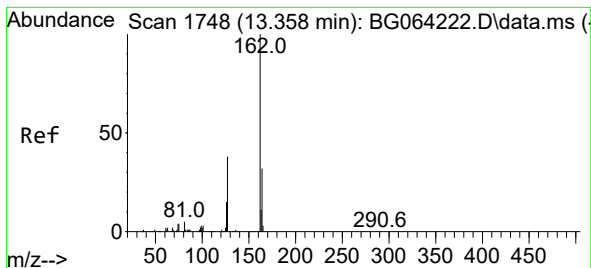
Ion Ratio Lower Upper

154 100

153 37.5 19.9 59.9

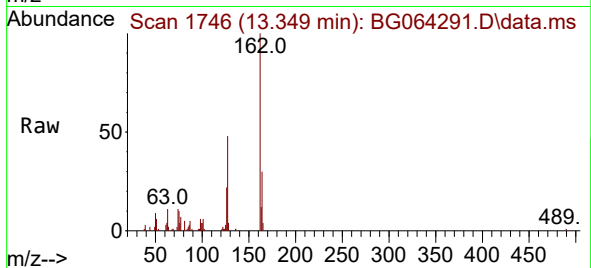
76 12.3 0.0 30.9





#47
2-Chloronaphthalene
Concen: 7.190 ng
RT: 13.349 min Scan# 1746
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

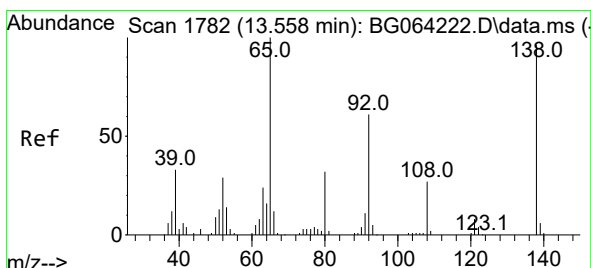
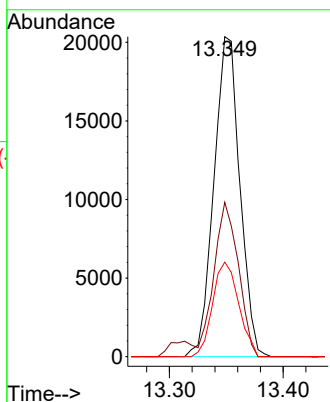
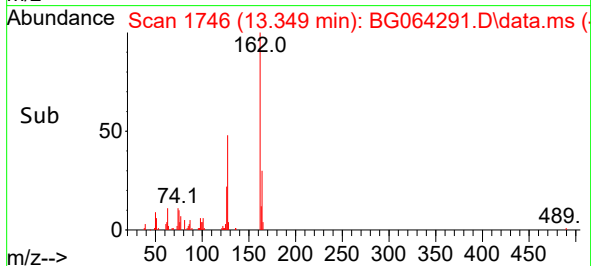
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:162 Resp: 32228
Ion Ratio Lower Upper
162 100
127 48.2 33.9 50.9
164 29.5 25.4 38.2

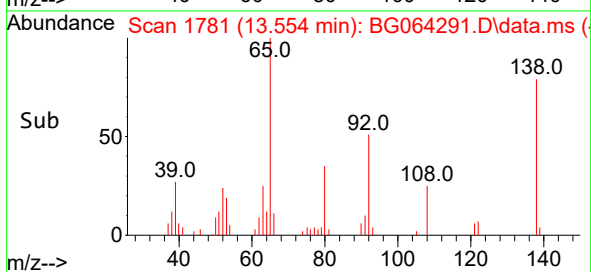
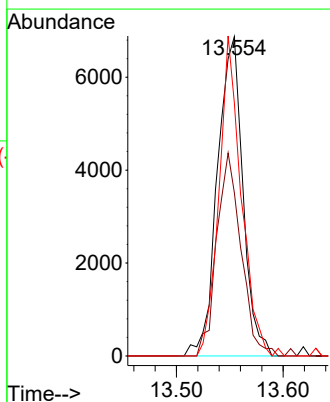
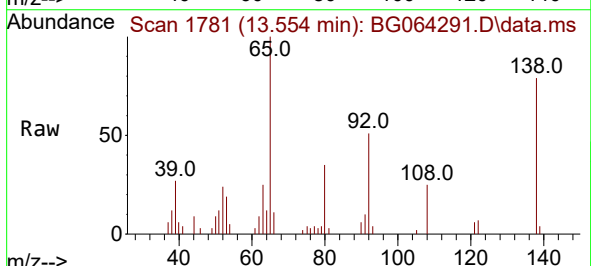
Manual Integrations
APPROVED

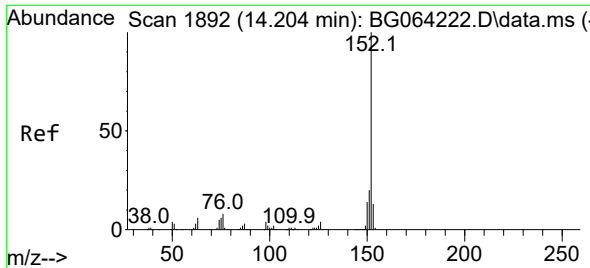
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#48
2-Nitroaniline
Concen: 7.458 ng
RT: 13.554 min Scan# 1781
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

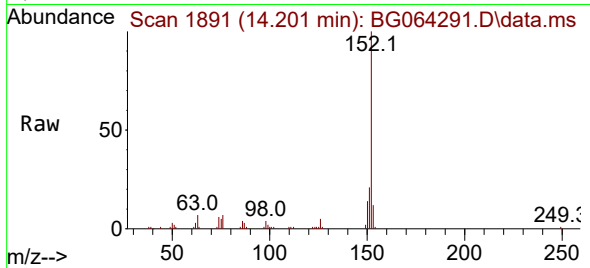
Tgt Ion: 65 Resp: 11395
Ion Ratio Lower Upper
65 100
92 51.1 49.2 73.8
138 79.2 76.8 115.2





#49
Acenaphthylene
Concen: 7.970 ng
RT: 14.201 min Scan# 1891
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

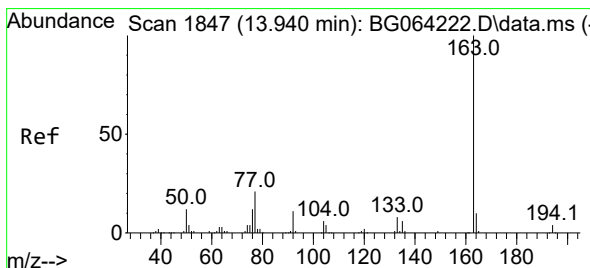
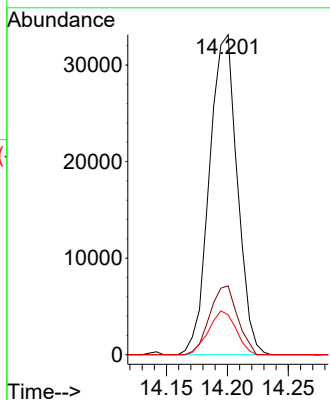
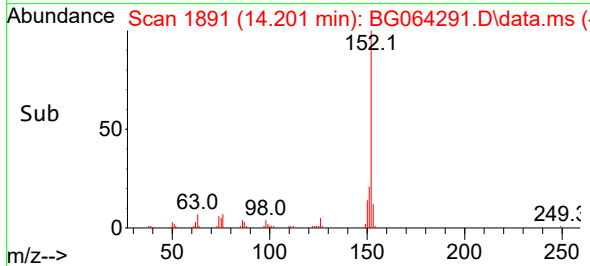
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



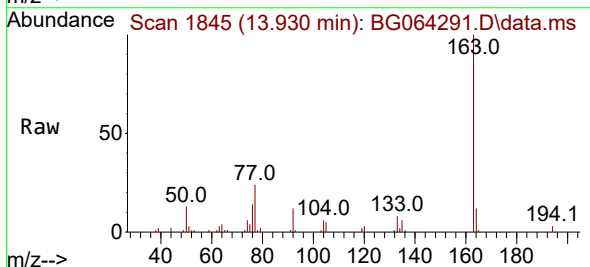
Tgt Ion:152 Resp: 5281
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.2
153 12.5 10.1 15.1

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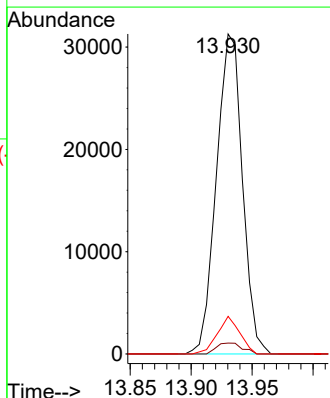
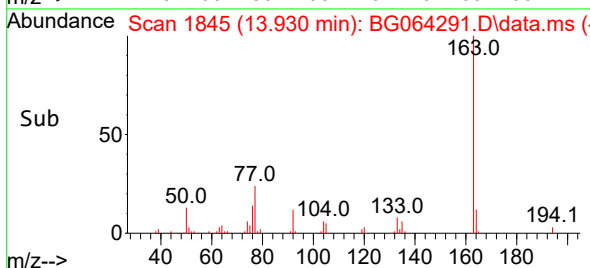
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

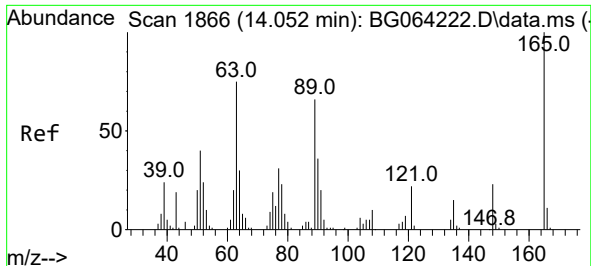


#50
Dimethylphthalate
Concen: 7.495 ng
RT: 13.930 min Scan# 1845
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



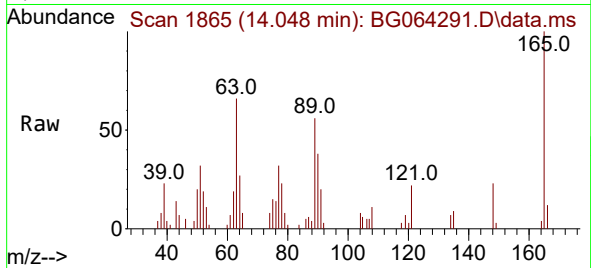
Tgt Ion:163 Resp: 46445
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 11.7 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 8.351 ng
RT: 14.048 min Scan# 1865
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

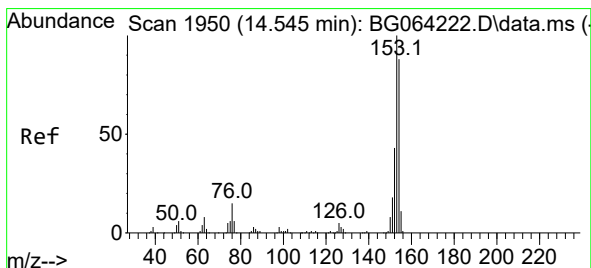
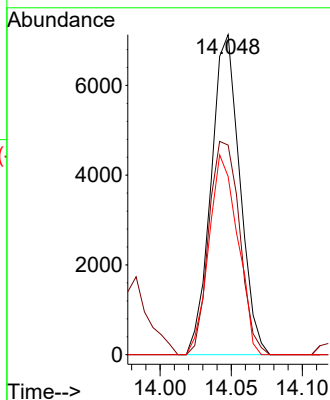
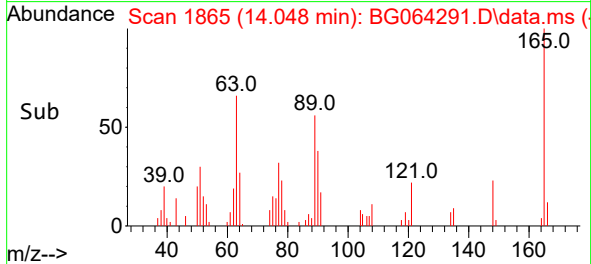
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 10018
Ion Ratio Lower Upper
165 100
63 65.5 60.3 90.5
89 55.7 52.9 79.3

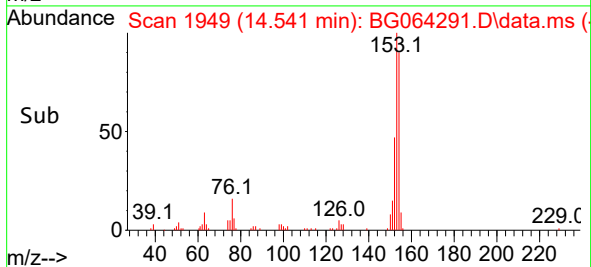
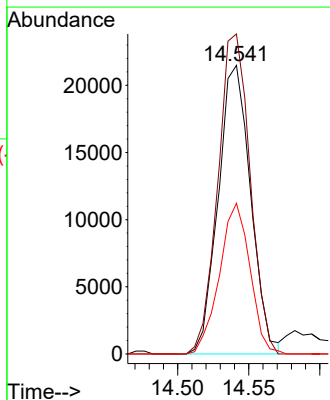
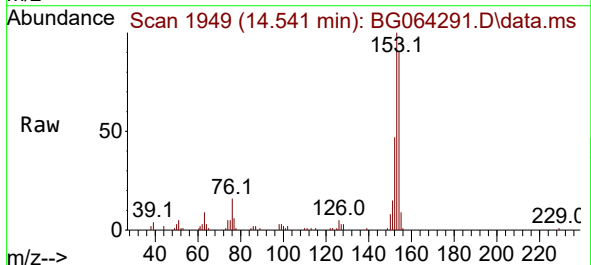
Manual Integrations
APPROVED

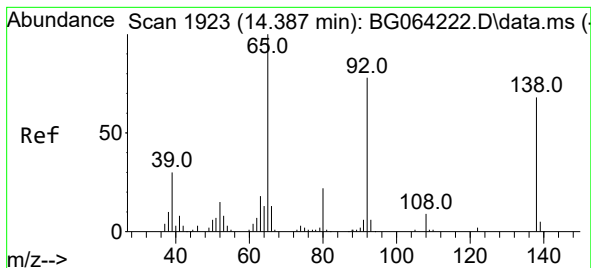
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#52
Acenaphthene
Concen: 7.286 ng
RT: 14.541 min Scan# 1949
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

Tgt Ion:154 Resp: 34070
Ion Ratio Lower Upper
154 100
153 110.9 91.1 136.7
152 52.2 39.6 59.4





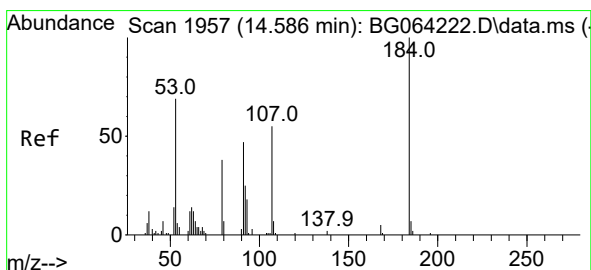
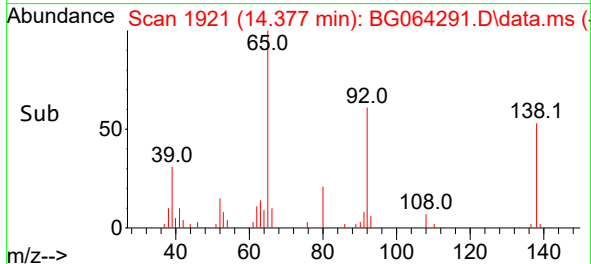
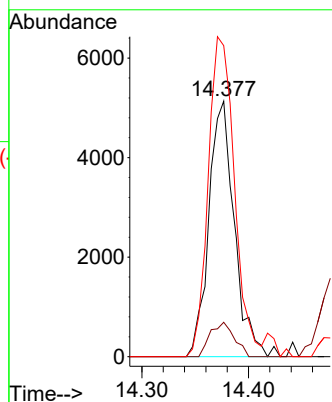
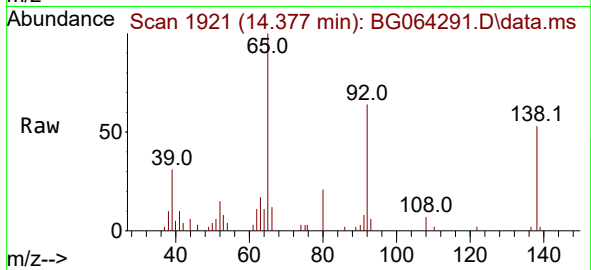
#53
3-Nitroaniline
Concen: 6.818 ng
RT: 14.377 min Scan# 1923
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

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

Tgt Ion:138 Resp: 856
Ion Ratio Lower Upper
138 100
108 13.5 11.0 16.6
92 121.7 91.4 137.0

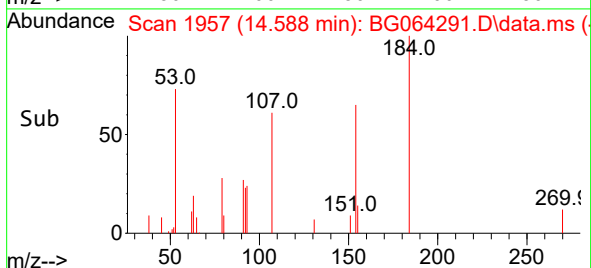
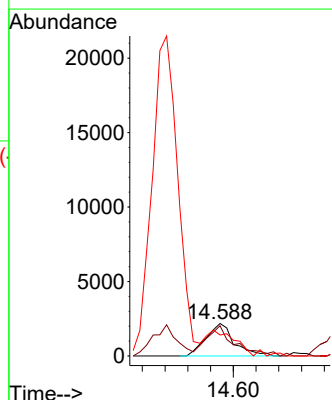
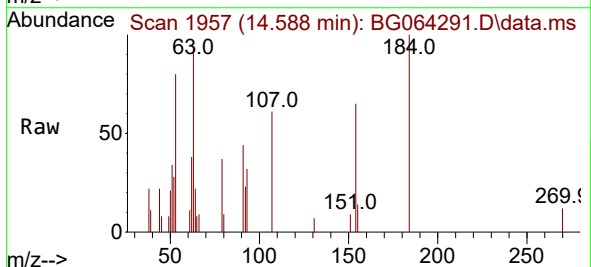
Manual Integrations
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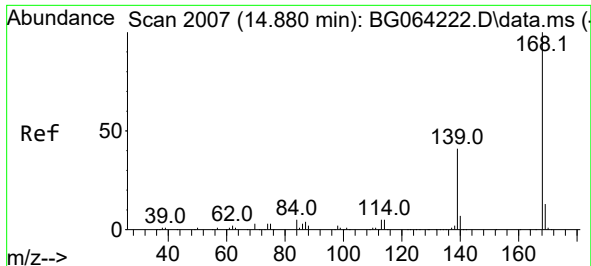
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#54
2,4-Dinitrophenol
Concen: 10.108 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

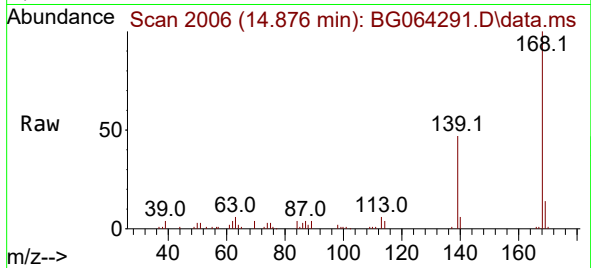
Tgt Ion:184 Resp: 3758
Ion Ratio Lower Upper
184 100
63 93.1 60.1 90.1#
154 64.6 59.8 89.8





#55
Dibenzenofuran
Concen: 7.674 ng
RT: 14.876 min Scan# 2007
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

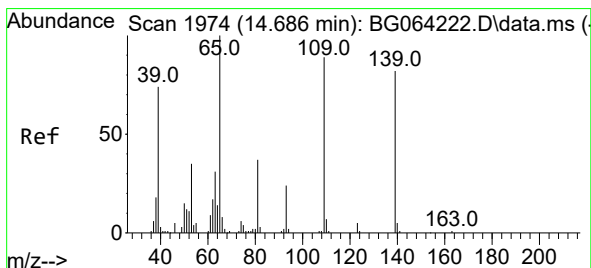
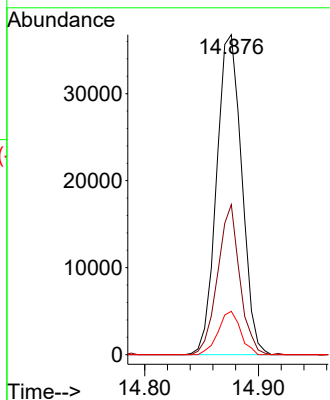
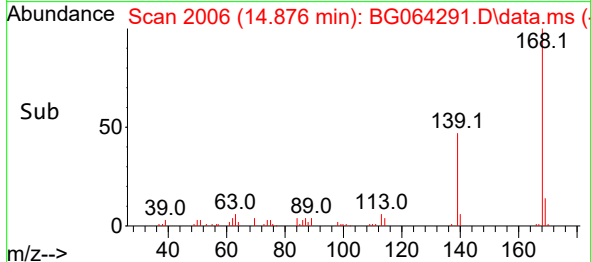
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 5644
Ion Ratio Lower Upper
168 100
139 46.9 33.2 49.8
169 13.6 10.4 15.6

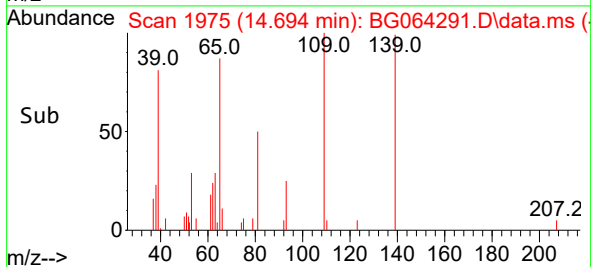
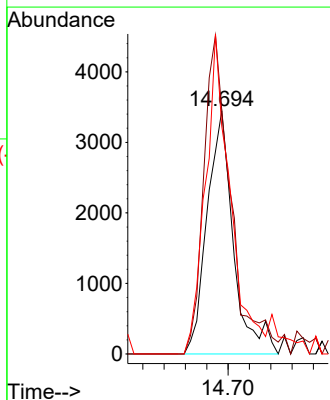
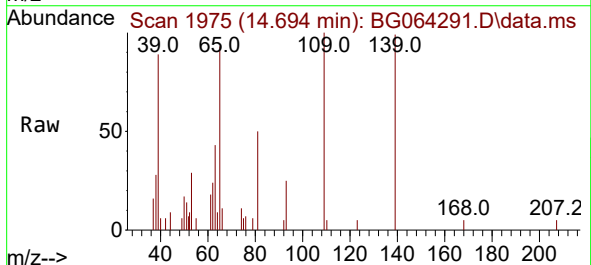
Manual Integrations
APPROVED

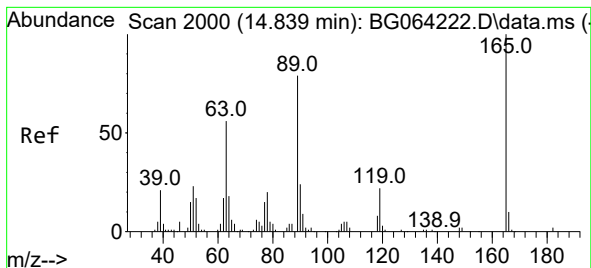
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#56
4-Nitrophenol
Concen: 5.713 ng
RT: 14.694 min Scan# 1975
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

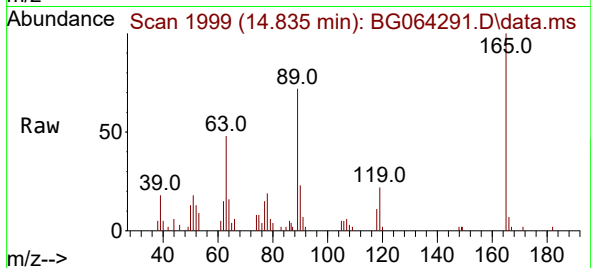
Tgt Ion:139 Resp: 5889
Ion Ratio Lower Upper
139 100
109 100.7 89.1 129.1
65 93.9 102.9 142.9#





#57
2,4-Dinitrotoluene
Concen: 8.028 ng
RT: 14.835 min Scan# 1999
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

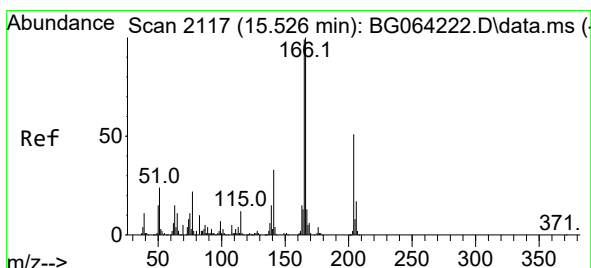
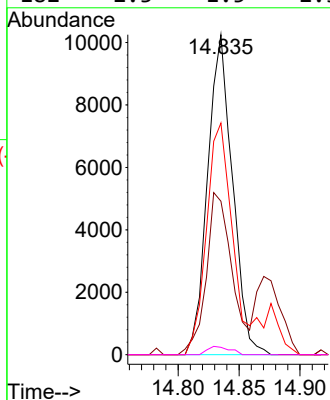
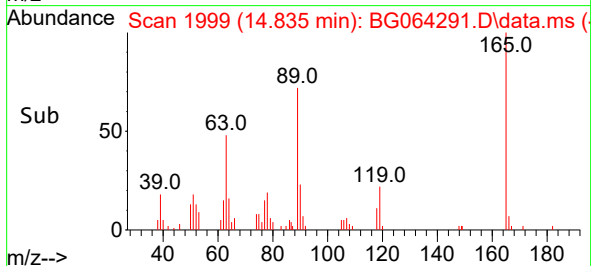
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 1456
Ion Ratio Lower Upper
165 100
63 47.9 44.6 67.0
89 72.4 63.0 94.4
182 2.3 1.5 2.3#

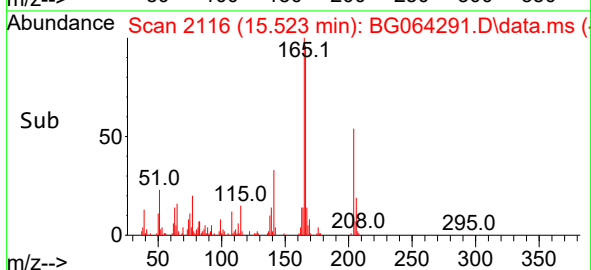
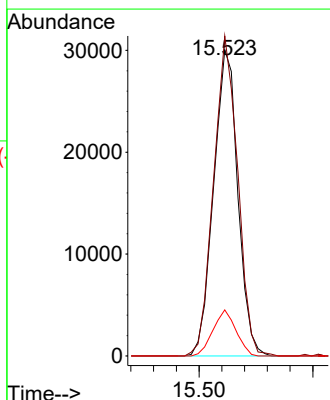
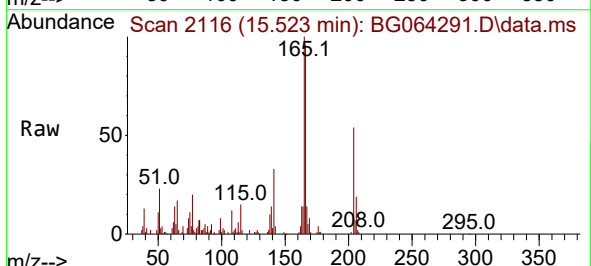
Manual Integrations
APPROVED

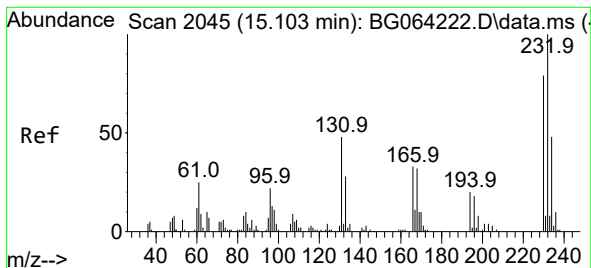
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#58
Fluorene
Concen: 7.369 ng
RT: 15.523 min Scan# 2116
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

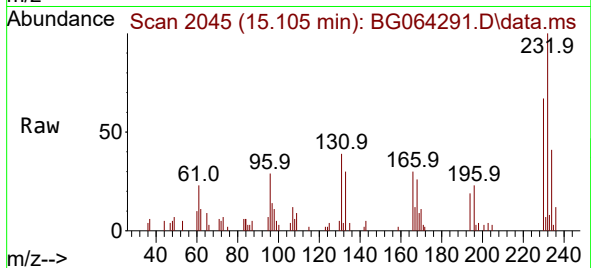
Tgt Ion:166 Resp: 44426
Ion Ratio Lower Upper
166 100
165 104.5 79.1 118.7
167 15.0 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.237 ng
RT: 15.105 min Scan# 2045
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

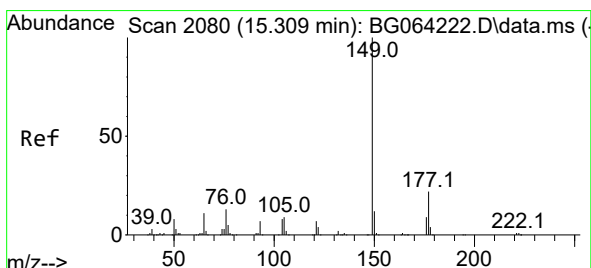
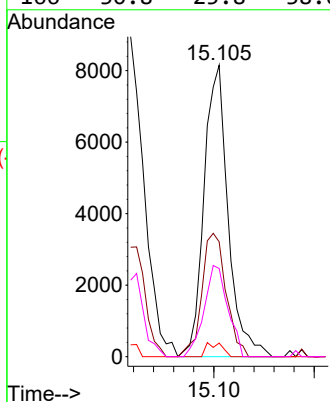
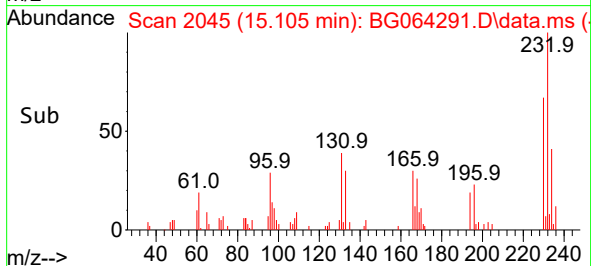
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



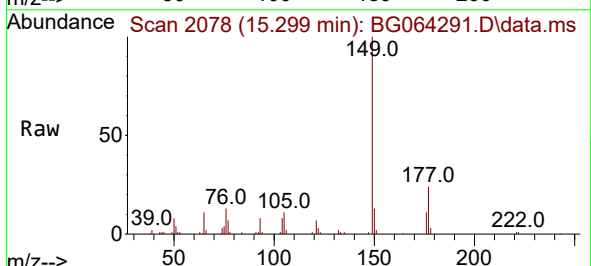
Tgt Ion:232 Resp: 1356
Ion Ratio Lower Upper
232 100
131 42.7 37.1 55.7
130 3.2 2.6 3.8
166 30.8 25.8 38.6

Manual Integrations
APPROVED

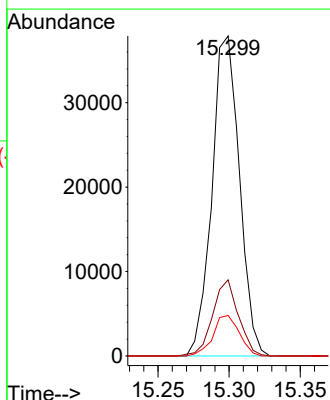
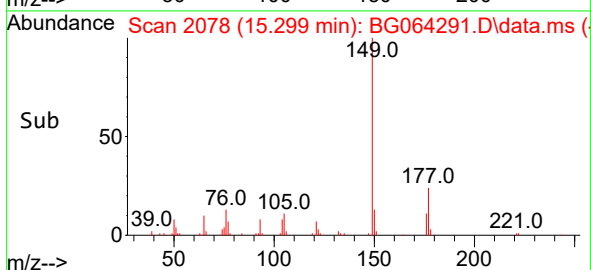
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

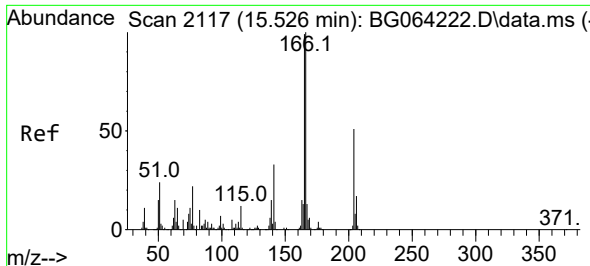


#60
Diethylphthalate
Concen: 7.688 ng
RT: 15.299 min Scan# 2078
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



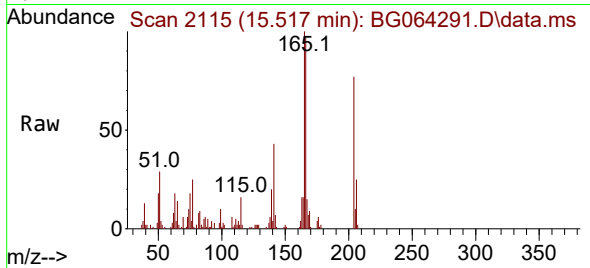
Tgt Ion:149 Resp: 50982
Ion Ratio Lower Upper
149 100
177 23.8 17.5 26.3
150 12.6 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.030 ng
RT: 15.517 min Scan# 2115
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

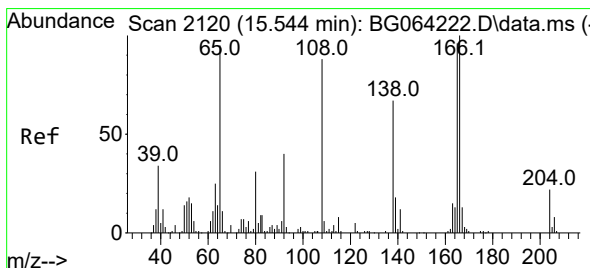
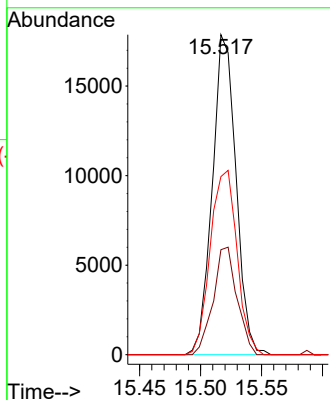
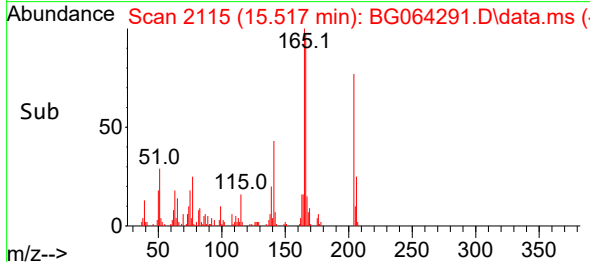
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



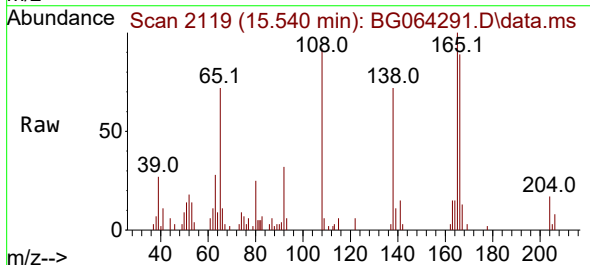
Tgt Ion:204 Resp: 2413
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.4
141 55.6 51.9 77.9

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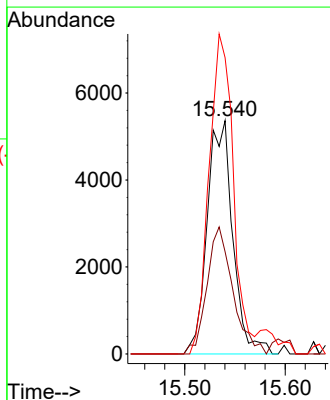
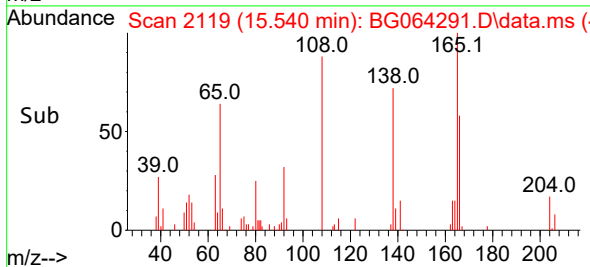
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

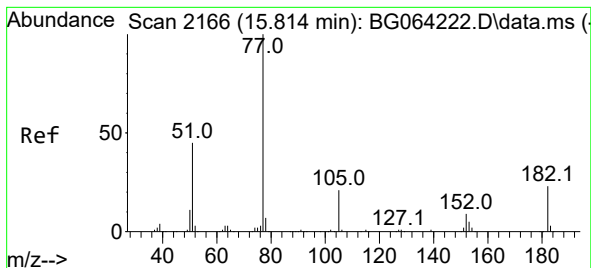


#62
4-Nitroaniline
Concen: 7.432 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



Tgt Ion:138 Resp: 9529
Ion Ratio Lower Upper
138 100
92 43.9 39.1 79.1
108 127.0 111.3 151.3





#63

Azobenzene

Concen: 7.423 ng

RT: 15.810 min Scan# 2166

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

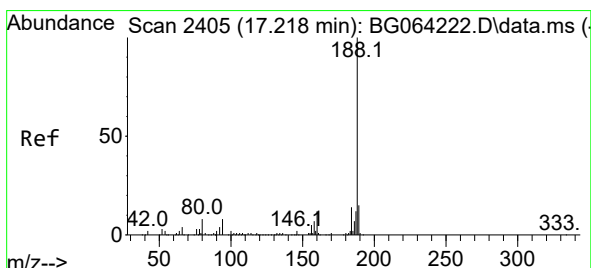
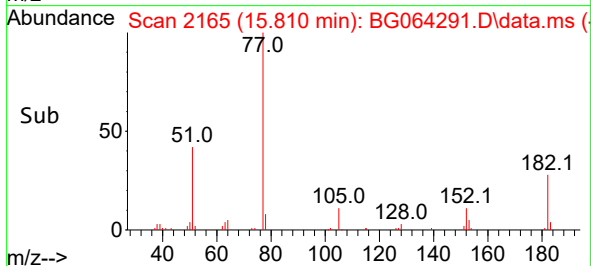
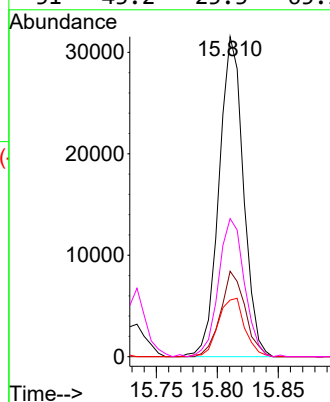
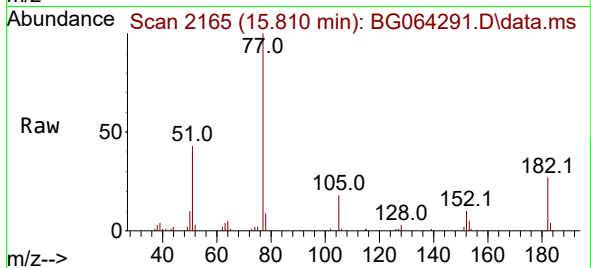
Tgt Ion: 77	Resp: 4387
Ion Ratio	Lower Upper
77 100	
182 26.7	3.3 43.3
105 17.7	0.6 40.6
51 43.2	25.3 65.3

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

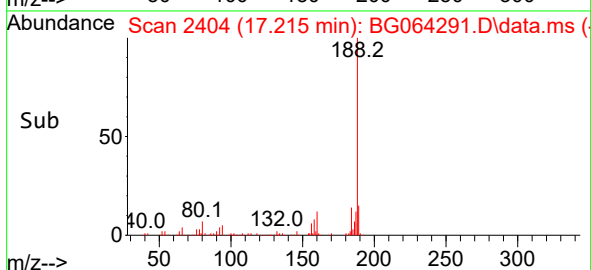
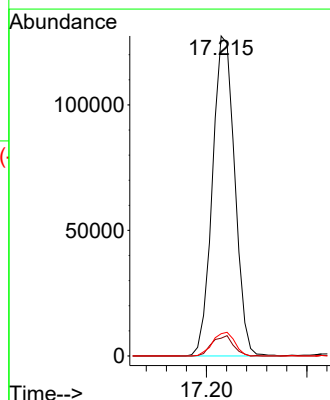
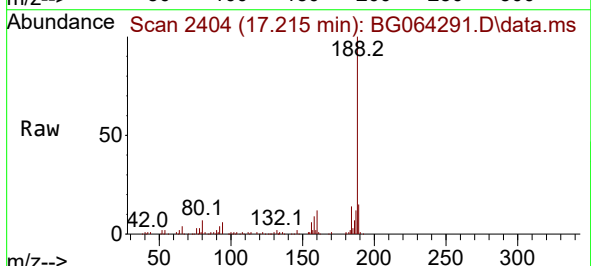
RT: 17.215 min Scan# 2404

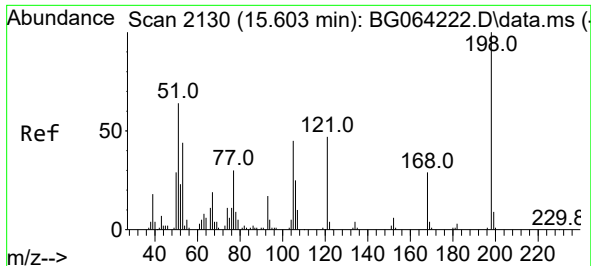
Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

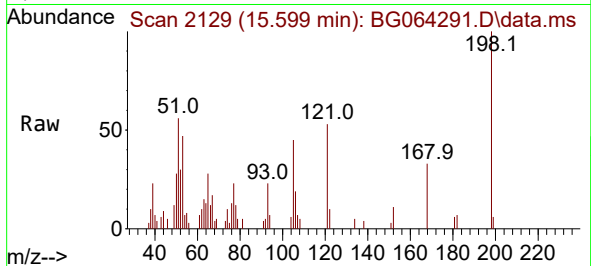
Tgt	Ion:188	Resp:	196716
Ion	Ratio	Lower	Upper
188	100		
94	5.6	6.2	9.4#
80	7.0	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 6.889 ng
RT: 15.599 min Scan# 2129
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

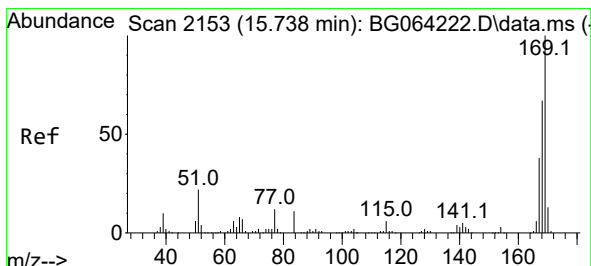
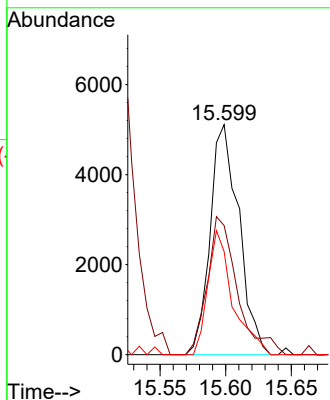
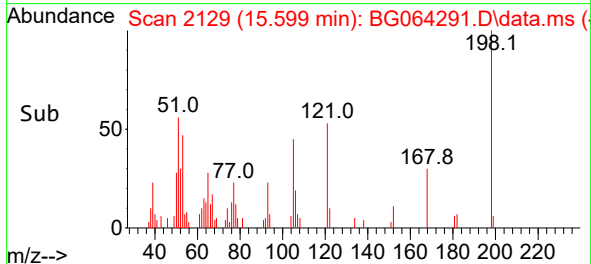
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



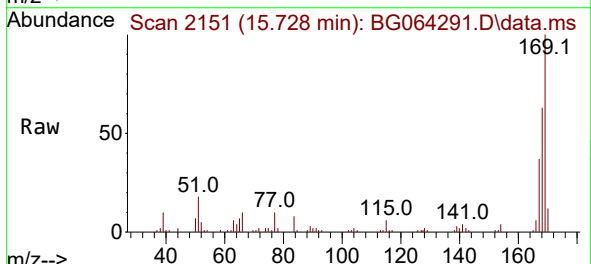
Tgt Ion:198 Resp: 778
Ion Ratio Lower Upper
198 100
51 56.1 46.2 86.2
105 44.8 25.0 65.0

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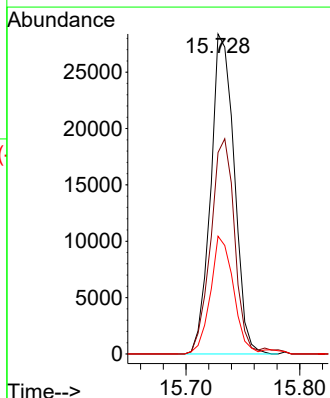
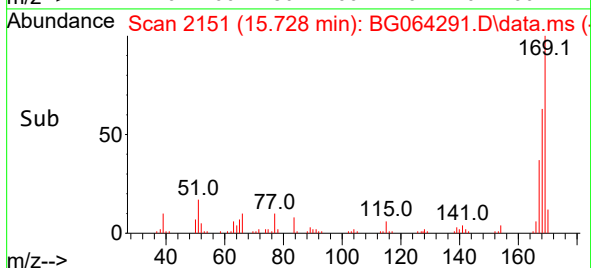
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

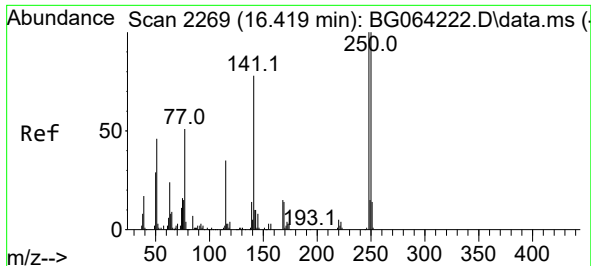


#66
n-Nitrosodiphenylamine
Concen: 7.554 ng
RT: 15.728 min Scan# 2151
Delta R.T. -0.016 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



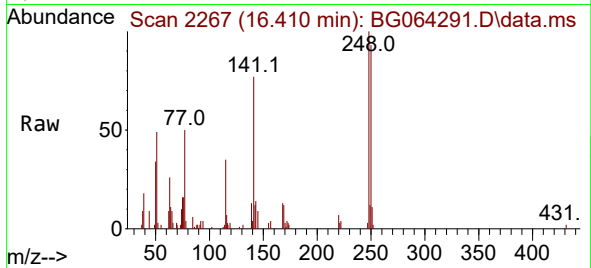
Tgt Ion:169 Resp: 40877
Ion Ratio Lower Upper
169 100
168 63.0 53.8 80.8
167 36.8 30.2 45.2





#67
4-Bromophenyl-phenylether
Concen: 8.119 ng
RT: 16.410 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

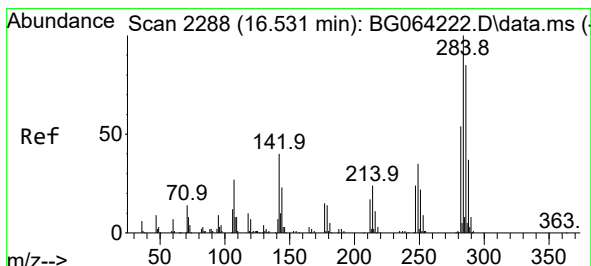
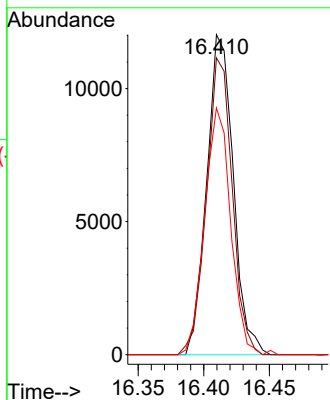
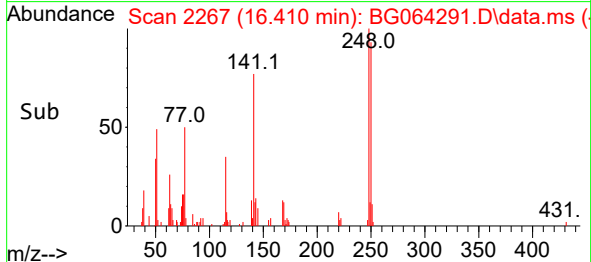
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:248 Resp: 1696
Ion Ratio Lower Upper
248 100
250 92.8 80.2 120.4
141 77.1 62.4 93.6

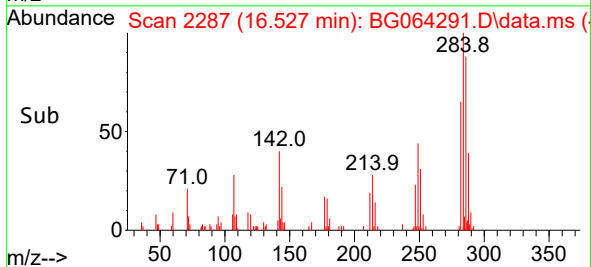
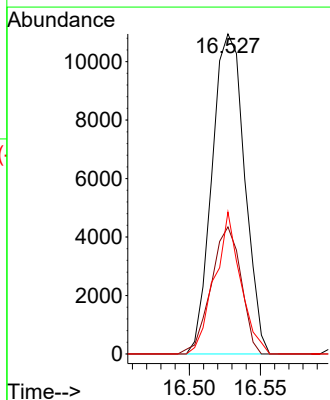
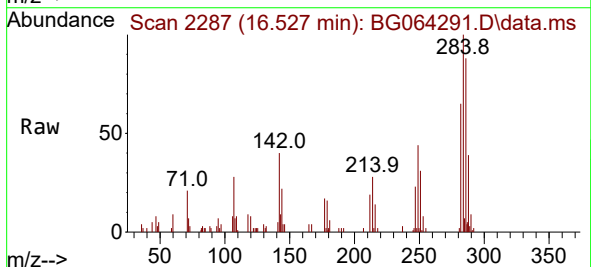
Manual Integrations
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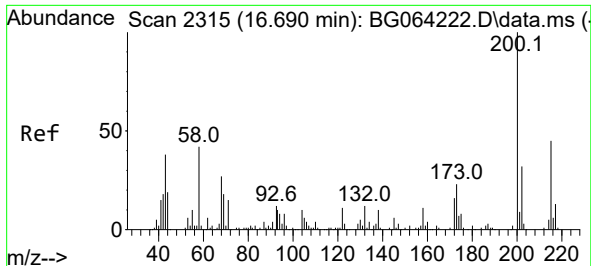
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#68
Hexachlorobenzene
Concen: 7.526 ng
RT: 16.527 min Scan# 2287
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

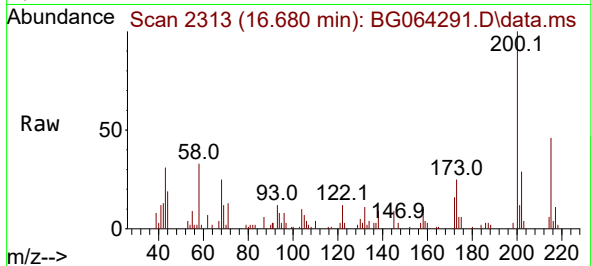
Tgt Ion:284 Resp: 17463
Ion Ratio Lower Upper
284 100
142 39.7 32.1 48.1
249 46.0 28.3 42.5#





#69
 Atrazine
 Concen: 8.148 ng
 RT: 16.680 min Scan# 21
 Delta R.T. -0.016 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45

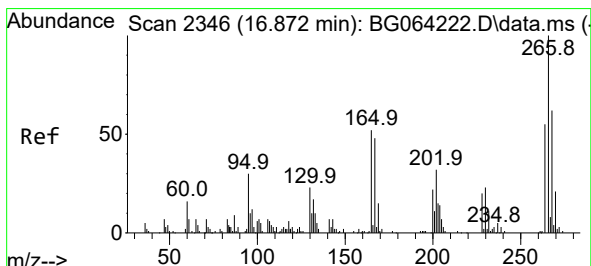
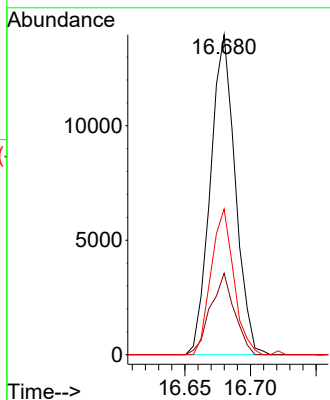
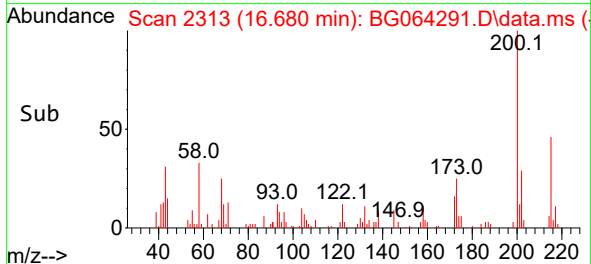
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



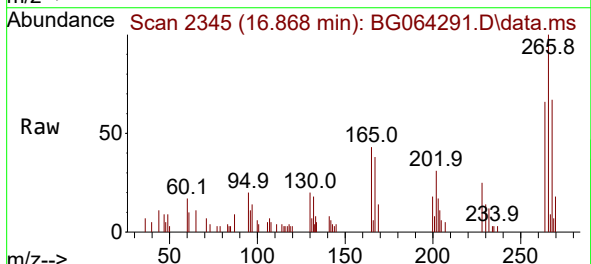
Tgt Ion:200 Resp: 1841
 Ion Ratio Lower Upper
 200 100
 173 25.5 3.5 43.5
 215 45.5 24.8 64.8

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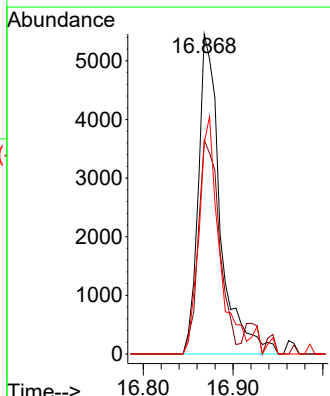
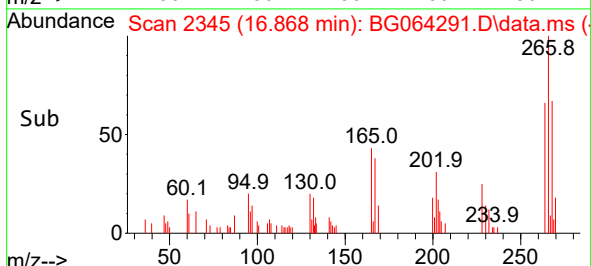
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025

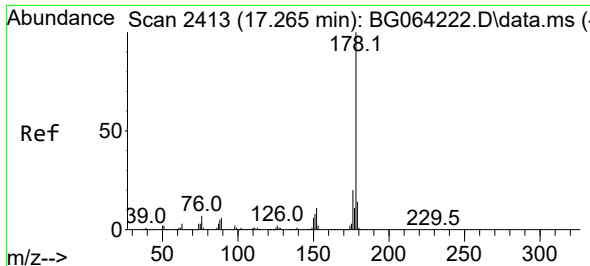


#70
 Pentachlorophenol
 Concen: 6.588 ng
 RT: 16.868 min Scan# 2345
 Delta R.T. -0.010 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45



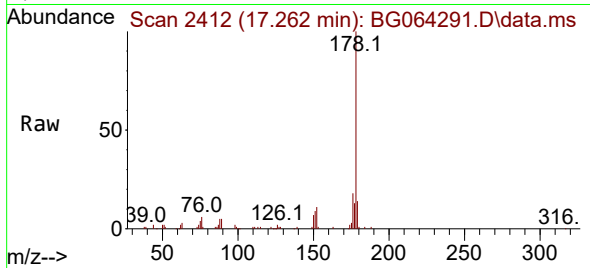
Tgt Ion:266 Resp: 9268
 Ion Ratio Lower Upper
 266 100
 268 66.8 49.4 74.0
 264 66.1 44.3 66.5





#71
Phenanthrene
Concen: 7.562 ng
RT: 17.262 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

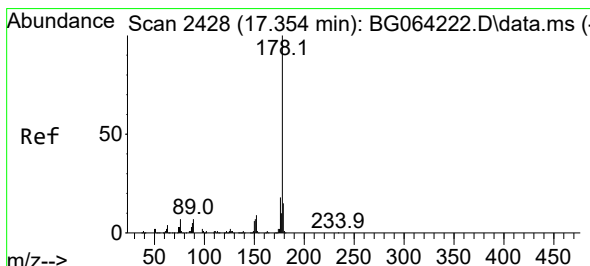
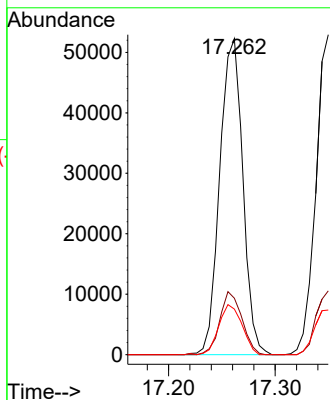
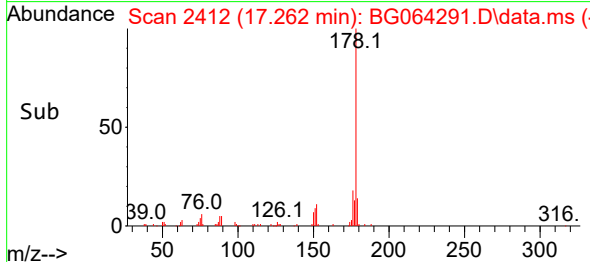
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:178 Resp: 78462
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 14.4 11.4 17.2

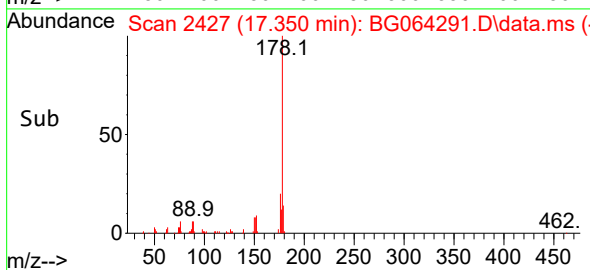
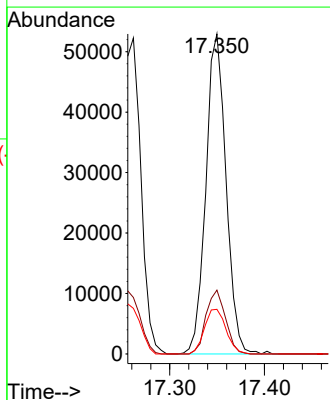
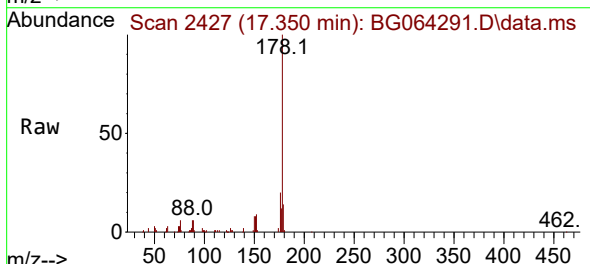
Manual Integrations
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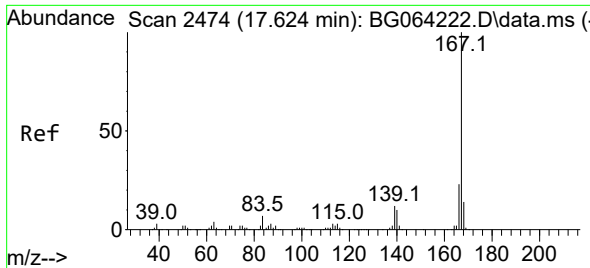
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#72
Anthracene
Concen: 7.409 ng
RT: 17.350 min Scan# 2427
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

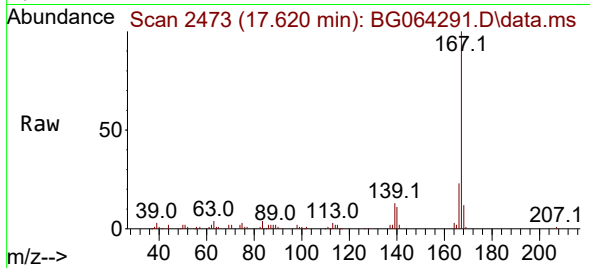
Tgt Ion:178 Resp: 78191
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 13.9 12.1 18.1





#73
 Carbazole
 Concen: 7.825 ng
 RT: 17.620 min Scan# 2474
 Delta R.T. -0.004 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45

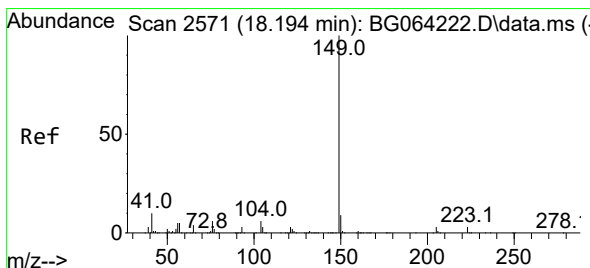
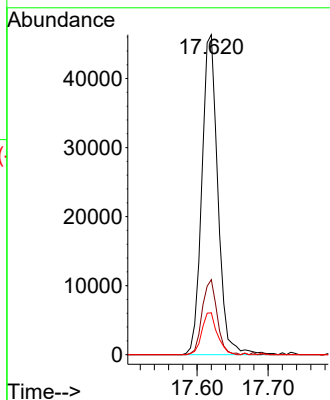
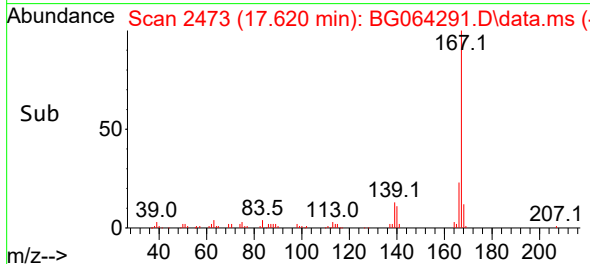
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



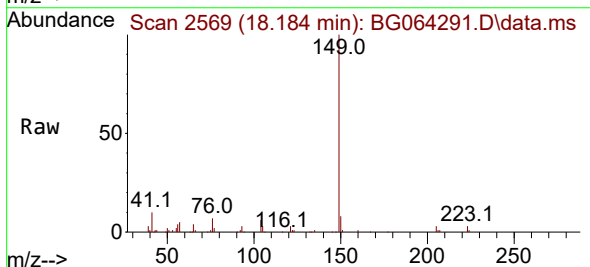
Tgt Ion:167 Resp: 72749
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.2 27.2
 139 13.1 9.8 14.6

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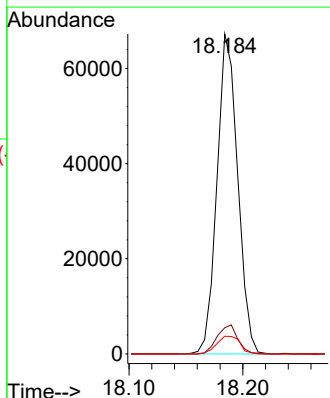
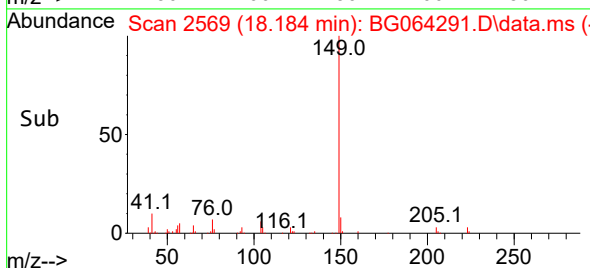
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025

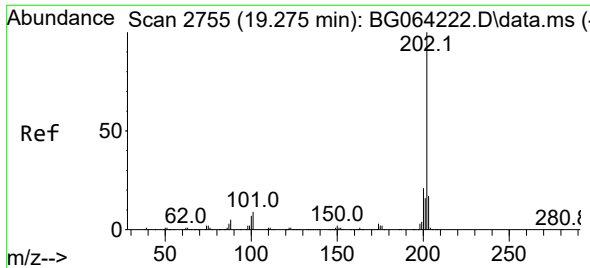


#74
 Di-n-butylphthalate
 Concen: 7.621 ng
 RT: 18.184 min Scan# 2569
 Delta R.T. -0.010 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45



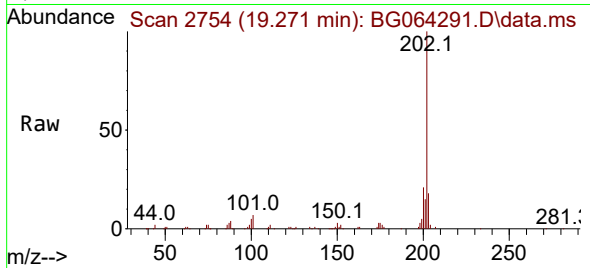
Tgt Ion:149 Resp: 85123
 Ion Ratio Lower Upper
 149 100
 150 8.2 7.5 11.3
 104 5.6 4.6 7.0





#75
Fluoranthene
Concen: 7.786 ng
RT: 19.271 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

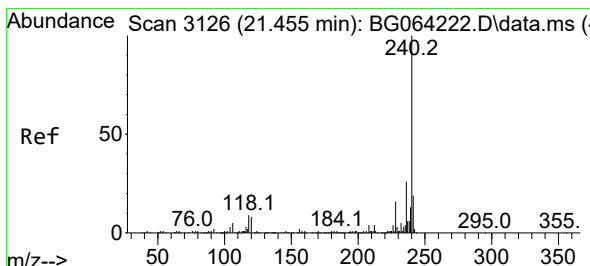
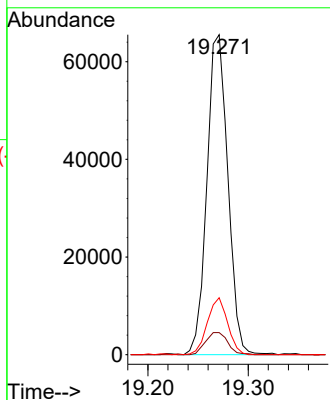
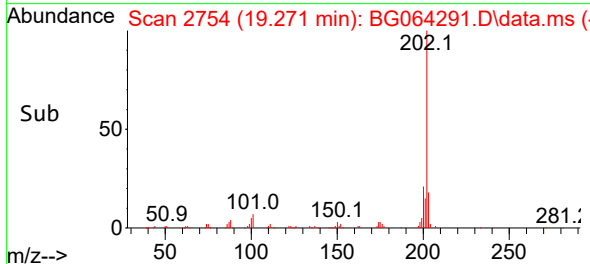
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



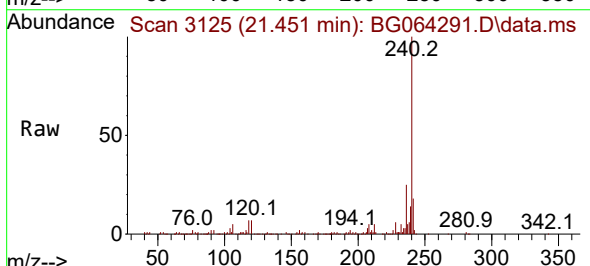
Tgt Ion:202 Resp: 9498
Ion Ratio Lower Upper
202 100
101 6.9 0.0 28.7
203 17.8 0.0 36.9

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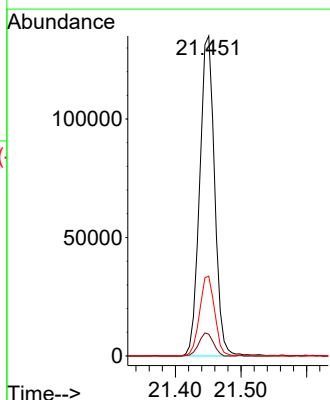
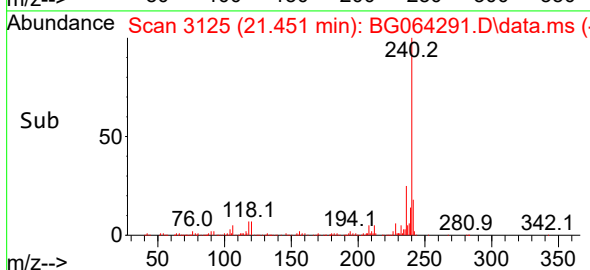
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

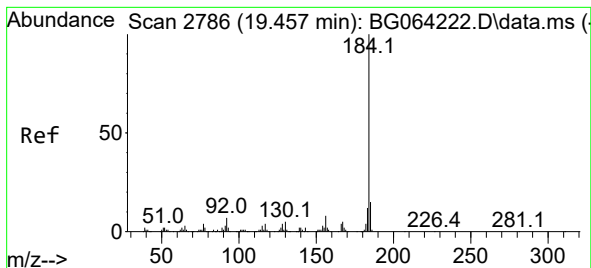


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3125
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45



Tgt Ion:240 Resp: 214369
Ion Ratio Lower Upper
240 100
120 6.8 6.2 9.4
236 25.0 20.5 30.7





#77

Benzidine

Concen: 9.467 ng

RT: 19.453 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:184 Resp: 4269

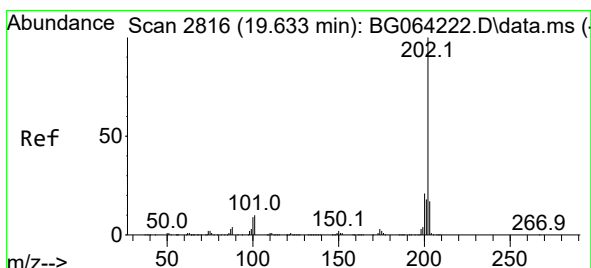
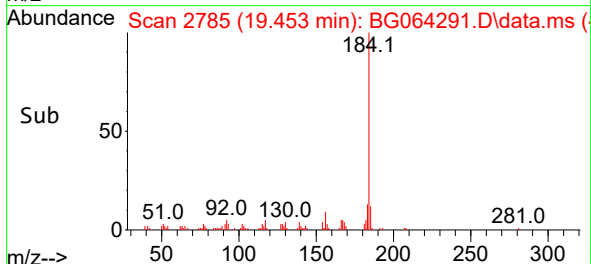
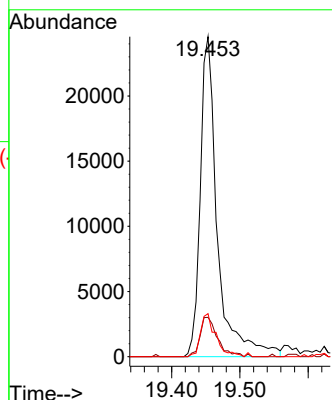
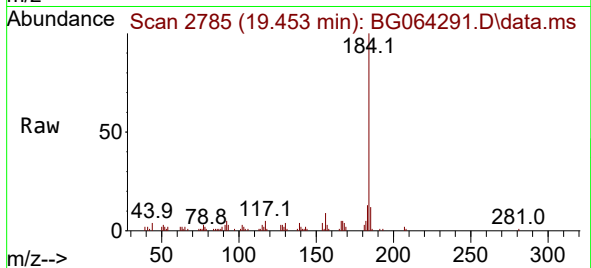
Ion	Ratio	Lower	Upper
184	100		
185	12.3	11.7	17.5
183	13.5	9.7	14.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#78

Pyrene

Concen: 7.151 ng

RT: 19.629 min Scan# 2815

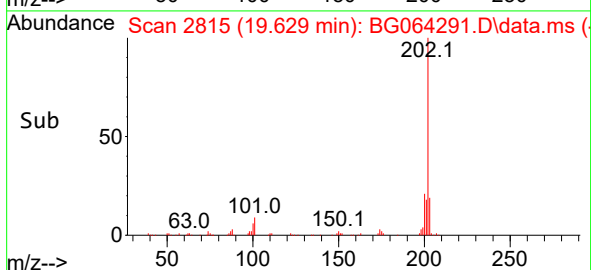
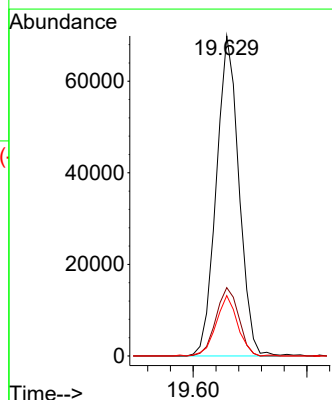
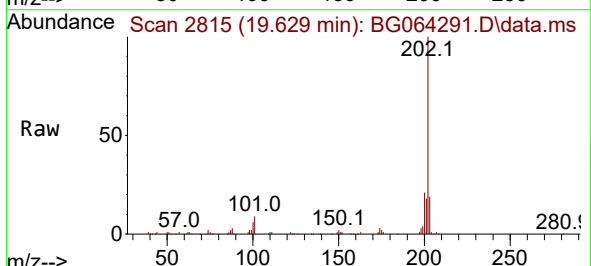
Delta R.T. -0.010 min

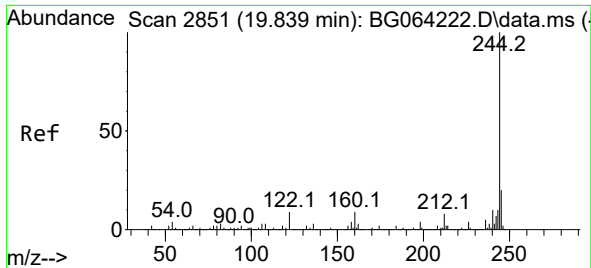
Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:202 Resp: 96585

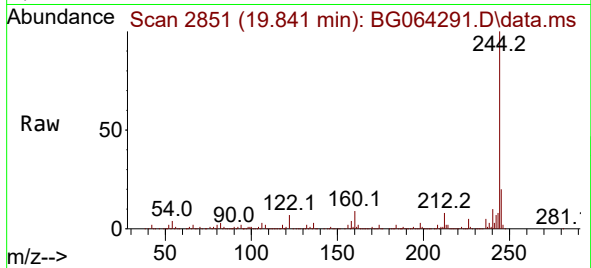
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	18.9	13.8	20.8





#79
 Terphenyl-d14
 Concen: 90.029 ng
 RT: 19.841 min Scan# 2851
 Delta R.T. -0.004 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45

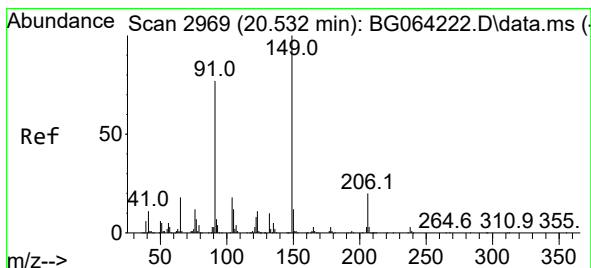
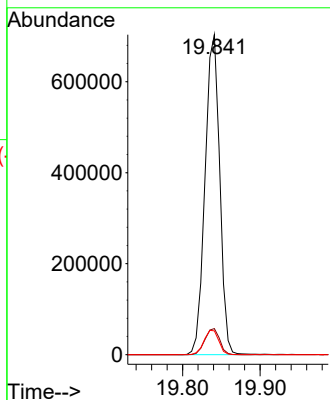
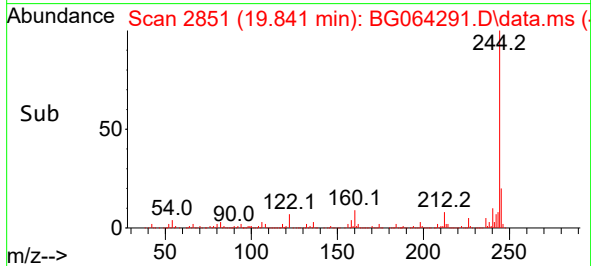
Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:244 Resp: 925030
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 7.5 7.0 10.6

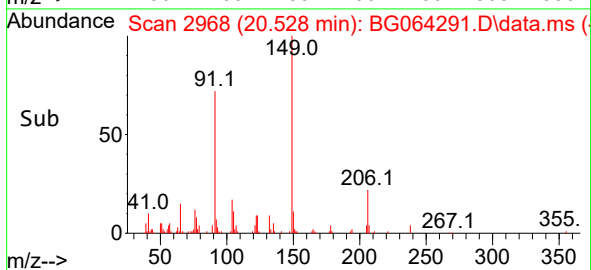
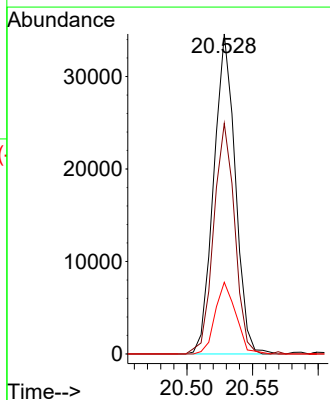
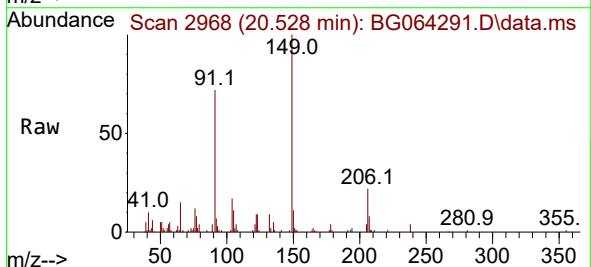
Manual Integrations
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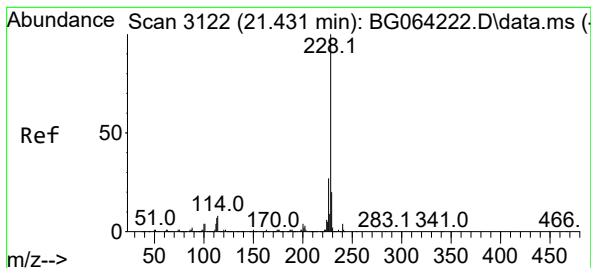
Reviewed By :Rahul Chavli 09/08/2025
 Supervised By :Jagrut Upadhyay 09/08/2025



#80
 Butylbenzylphthalate
 Concen: 7.752 ng
 RT: 20.528 min Scan# 2968
 Delta R.T. -0.004 min
 Lab File: BG064291.D
 Acq: 5 Sep 2025 13:45

Tgt Ion:149 Resp: 39490
 Ion Ratio Lower Upper
 149 100
 91 72.0 61.4 92.0
 206 22.4 15.8 23.6





#81

Benzo(a)anthracene

Concen: 7.331 ng

RT: 21.427 min Scan# 3122

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

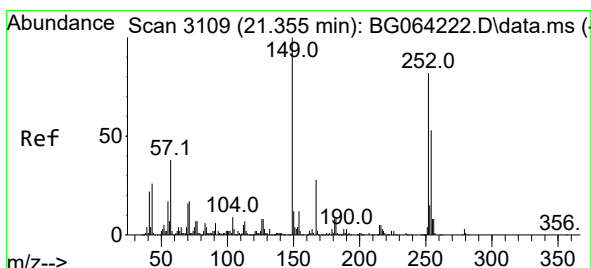
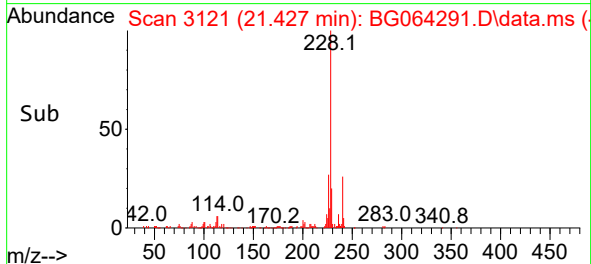
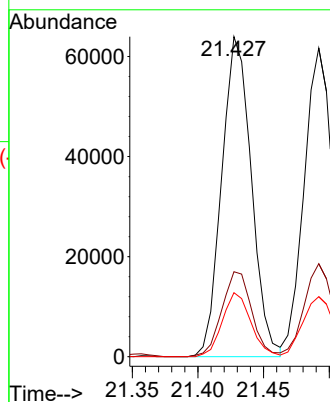
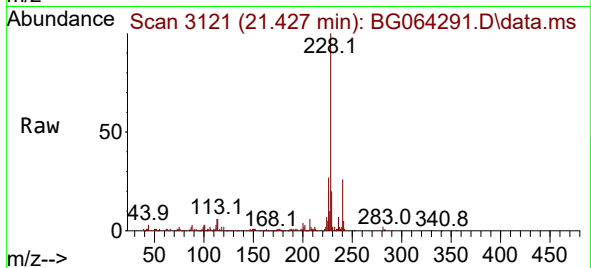
Tgt Ion:228 Resp: 100539
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.7 32.5
 229 20.0 15.9 23.9

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: 8.341 ng

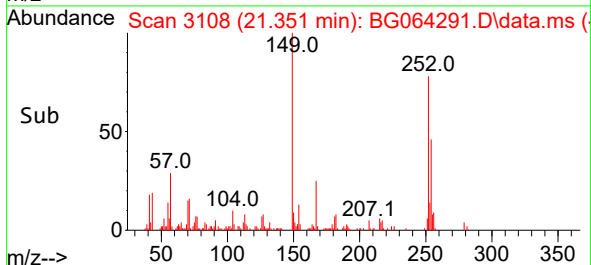
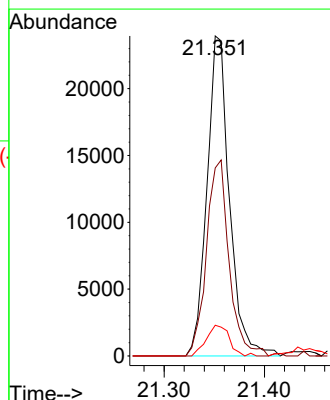
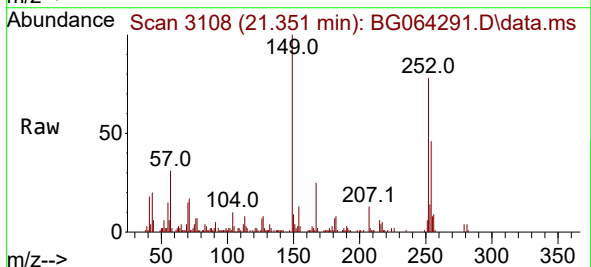
RT: 21.351 min Scan# 3108

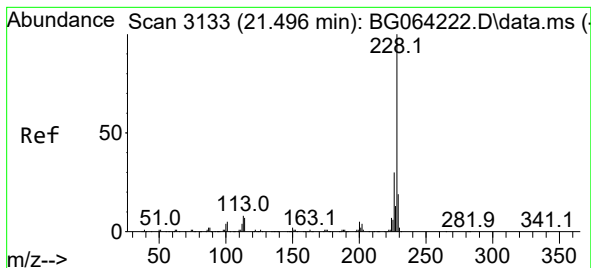
Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:252 Resp: 37254
 Ion Ratio Lower Upper
 252 100
 254 58.7 51.9 77.9
 126 9.6 7.6 11.4





#83

Chrysene

Concen: 7.184 ng

RT: 21.492 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

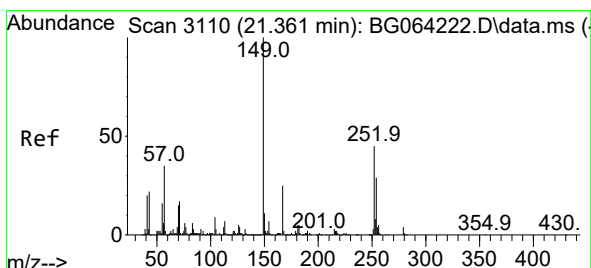
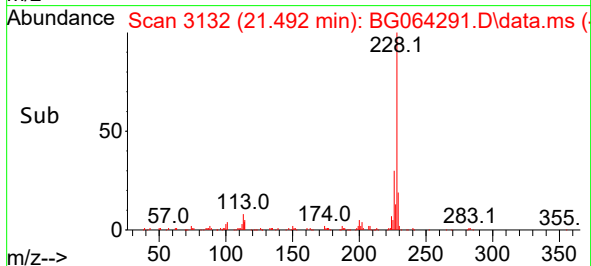
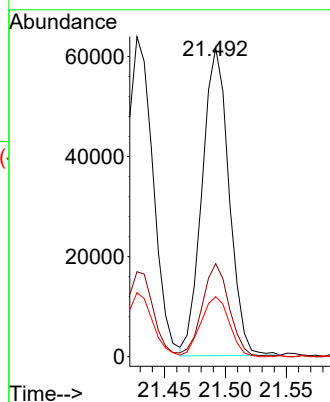
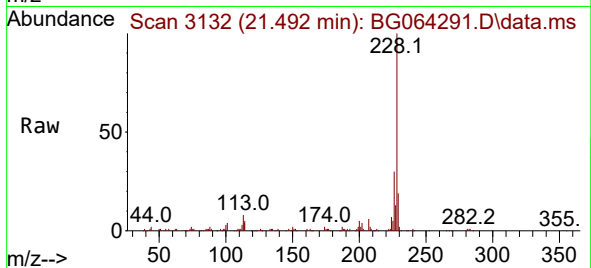
Tgt Ion:228 Resp: 94584
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.2 36.2
 229 19.4 15.4 23.2

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: 7.461 ng

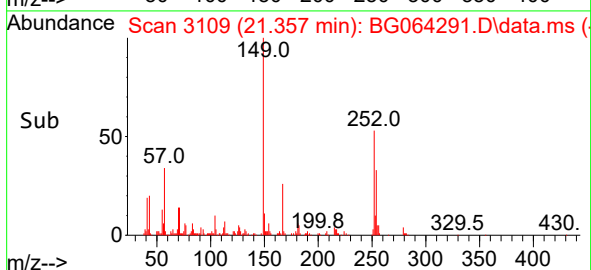
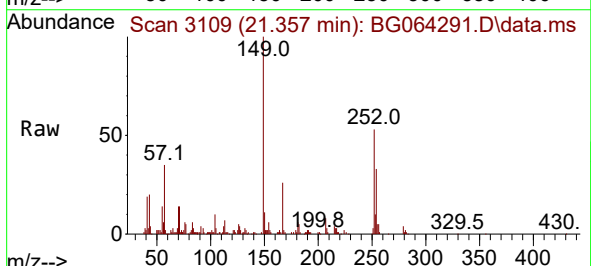
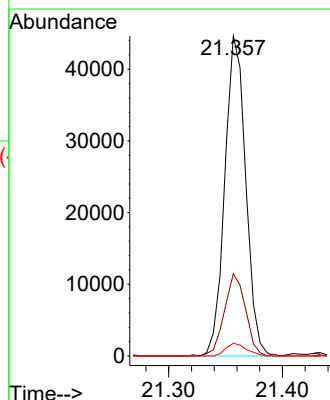
RT: 21.357 min Scan# 3109

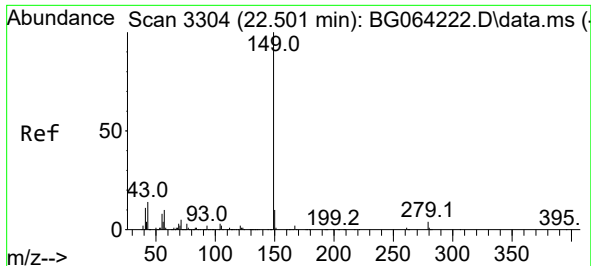
Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

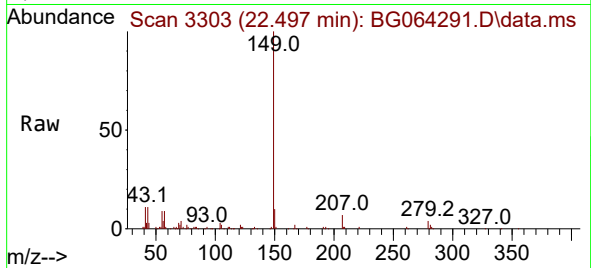
Tgt Ion:149 Resp: 57062
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.0 30.0
 279 3.9 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 7.121 ng
RT: 22.497 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

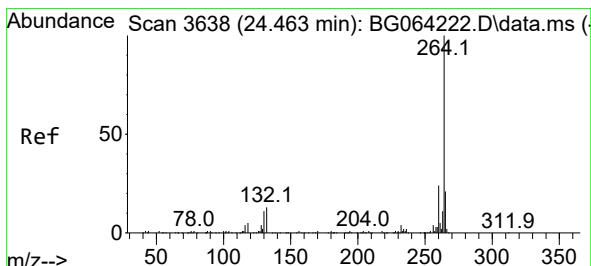
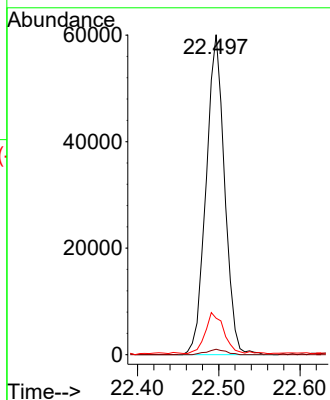
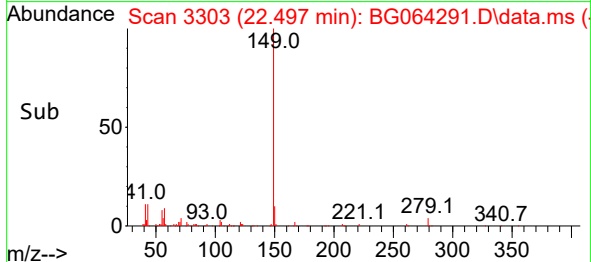
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:149 Resp: 94898
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.8 10.8 16.2

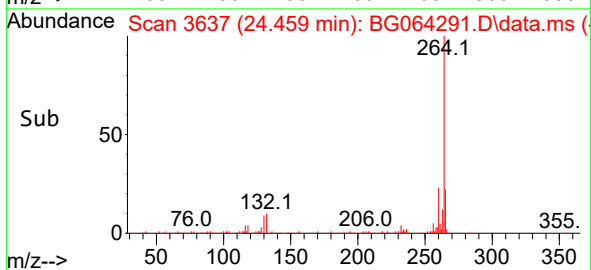
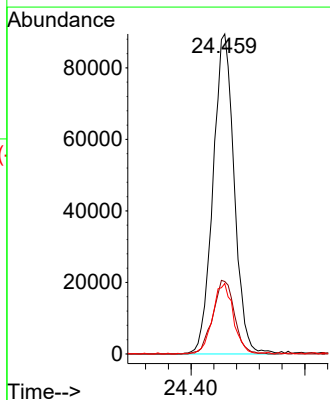
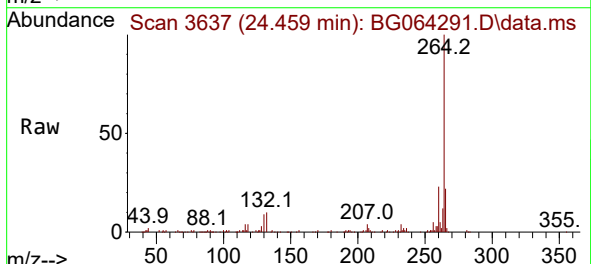
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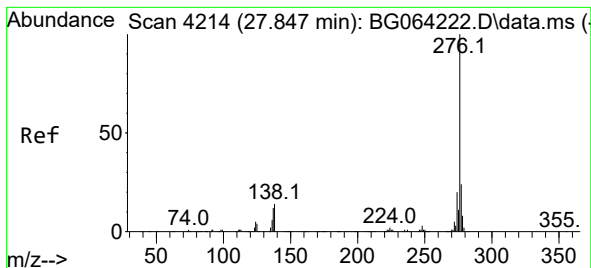
Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.459 min Scan# 3637
Delta R.T. -0.004 min
Lab File: BG064291.D
Acq: 5 Sep 2025 13:45

Tgt Ion:264 Resp: 231268
Ion Ratio Lower Upper
264 100
260 22.6 18.9 28.3
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.480 ng

RT: 27.832 min Scan# 41

Delta R.T. -0.039 min

Lab File: BG064291.D

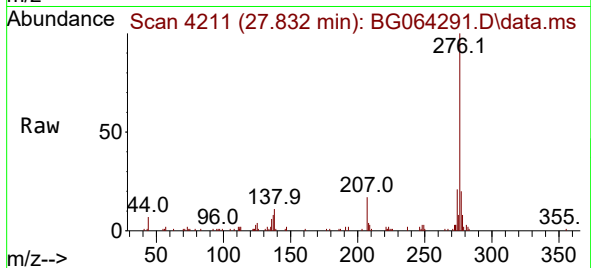
Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:276 Resp: 11813

Ion Ratio Lower Upper

276 100

138 10.7 7.4 11.0

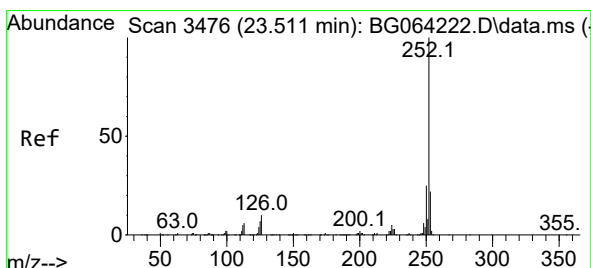
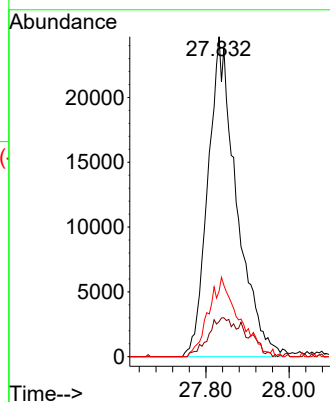
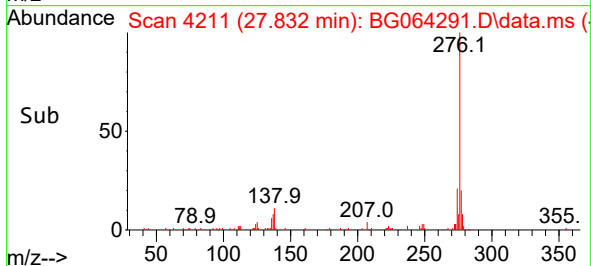
277 26.2 20.5 30.7

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: 7.368 ng

RT: 23.507 min Scan# 3475

Delta R.T. -0.010 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

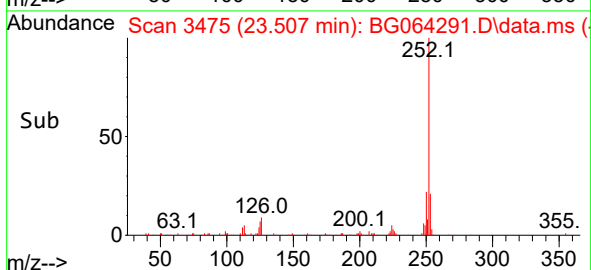
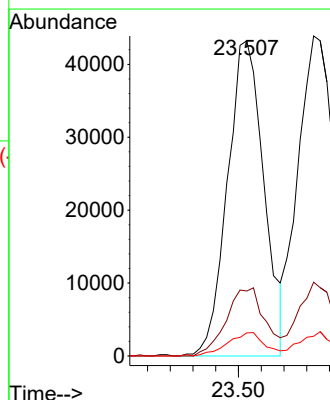
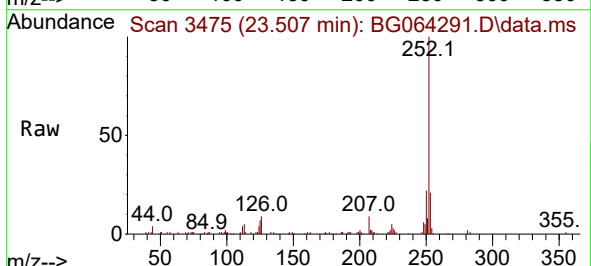
Tgt Ion:252 Resp: 96174

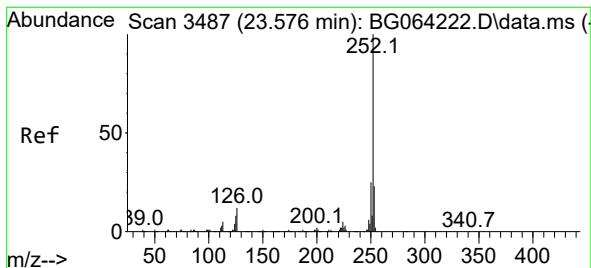
Ion Ratio Lower Upper

252 100

253 20.6 17.5 26.3

125 7.3 5.9 8.9





#89

Benzo(k)fluoranthene

Concen: 7.631 ng m

RT: 23.566 min Scan# 34

Delta R.T. -0.022 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

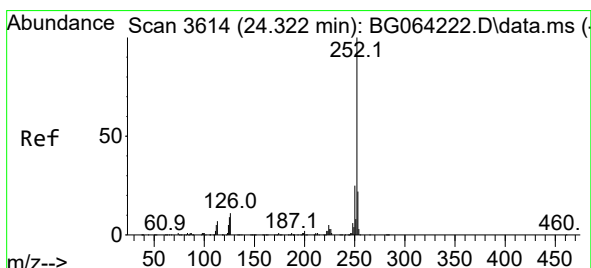
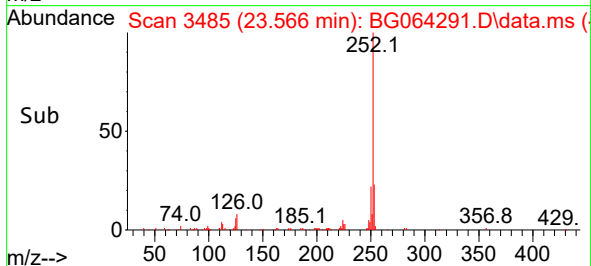
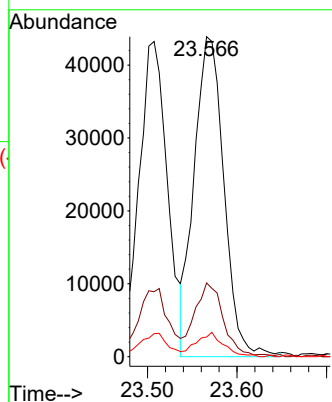
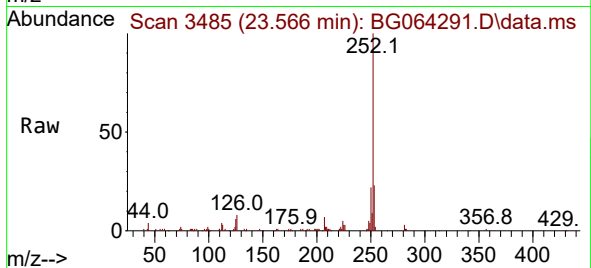
Tgt Ion:252 Resp: 10147
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.2 27.4
 125 6.1 7.0 10.4

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: 7.823 ng

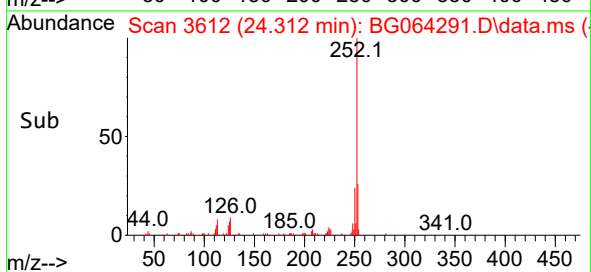
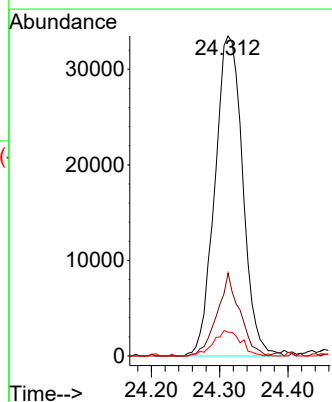
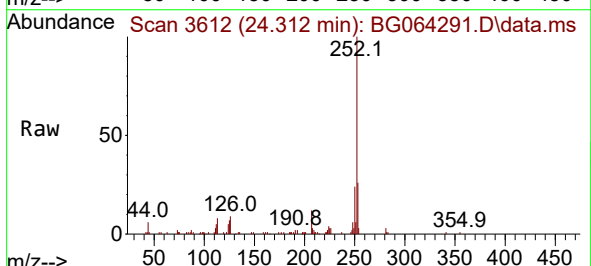
RT: 24.312 min Scan# 3612

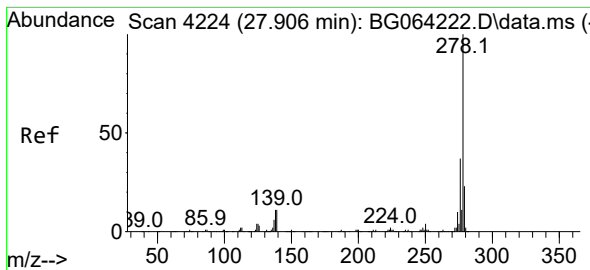
Delta R.T. -0.016 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:252 Resp: 94989
 Ion Ratio Lower Upper
 252 100
 253 25.9 17.4 26.2
 125 7.5 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 7.557 ng

RT: 27.890 min Scan# 41

Delta R.T. -0.034 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2025

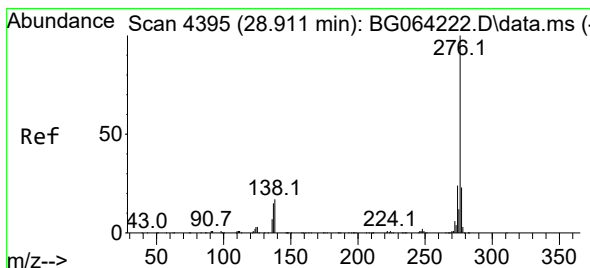
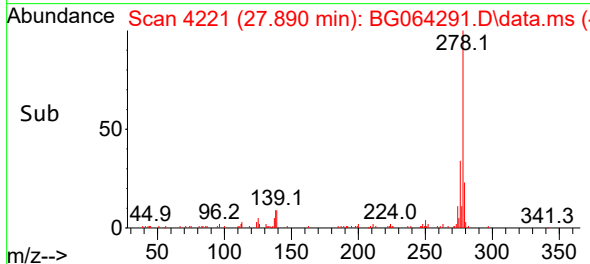
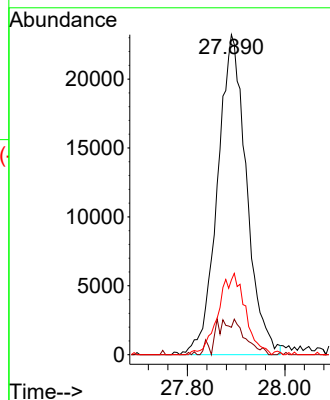
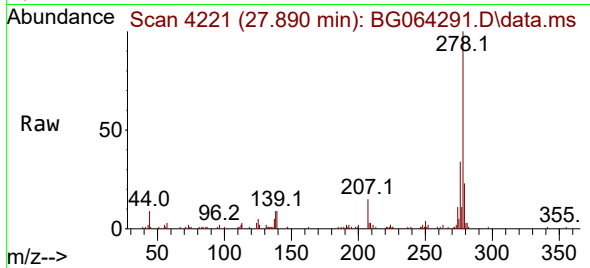
Tgt Ion:278 Resp: 9583
 Ion Ratio Lower Upper
 278 100
 139 8.5 9.0 13.4
 279 23.4 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/08/2025

Supervised By :Jagrut Upadhyay 09/08/2025



#92

Benzo(g,h,i)perylene

Concen: 7.613 ng

RT: 28.877 min Scan# 4389

Delta R.T. -0.057 min

Lab File: BG064291.D

Acq: 5 Sep 2025 13:45

Tgt Ion:276 Resp: 93937
 Ion Ratio Lower Upper
 276 100
 277 21.2 18.2 27.4
 138 12.5 13.3 19.9#

