

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG064001.D
 Acq On : 5 Feb 2025 16:37
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 05 17:43:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	60922	20.000	ng	0.00
21) Naphthalene-d8	10.662	136	251267	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	166395	20.000	ng	0.00
64) Phenanthrene-d10	17.236	188	388852	20.000	ng	0.00
76) Chrysene-d12	21.473	240	425199	20.000	ng	0.00
86) Perylene-d12	24.498	264	444927	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	451215	118.749	ng	0.00
7) Phenol-d6	7.031	99	611406	117.252	ng	0.00
23) Nitrobenzene-d5	9.022	82	408960	98.917	ng	0.00
42) 2,4,6-Tribromophenol	15.979	330	227457	119.691	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	931669	85.787	ng	0.00
79) Terphenyl-d14	19.863	244	1725709	84.762	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.394	88	7950	4.405	ng	98
3) Pyridine	3.781	79	16632	3.413	ng	# 86
4) n-Nitrosodimethylamine	3.693	42	11554	4.124	ng	# 90
6) Aniline	7.201	93	22552	4.036	ng	97
8) 2-Chlorophenol	7.436	128	16586	4.284	ng	96
9) Benzaldehyde	7.013	77	17436	6.125	ng	96
10) Phenol	7.060	94	22614	4.120	ng	98
11) bis(2-Chloroethyl)ether	7.295	93	17822	4.032	ng	92
12) 1,3-Dichlorobenzene	7.765	146	18842	4.090	ng	97
13) 1,4-Dichlorobenzene	7.906	146	18883	4.058	ng	95
14) 1,2-Dichlorobenzene	8.223	146	18395	4.125	ng	95
15) Benzyl Alcohol	8.100	79	14914	3.826	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.394	45	37986	4.268	ng	96
17) 2-Methylphenol	8.306	107	13668	3.850	ng	93
18) Hexachloroethane	8.946	117	6378	4.165	ng	91
19) n-Nitroso-di-n-propyla...	8.670	70	14970	4.146	ng	# 97
20) 3+4-Methylphenols	8.629	107	17008	3.596	ng	91
22) Acetophenone	8.687	105	29381	4.256	ng	# 94
24) Nitrobenzene	9.064	77	20968	7.863	ng	# 95
25) Isophorone	9.586	82	37950	4.234	ng	99
26) 2-Nitrophenol	9.769	139	4256	7.658	ng	94
27) 2,4-Dimethylphenol	9.827	122	5220	2.025	ng	# 90
28) bis(2-Chloroethoxy)met...	10.068	93	22610	3.965	ng	99
29) 2,4-Dichlorophenol	10.297	162	12772	7.134	ng	98
30) 1,2,4-Trichlorobenzene	10.527	180	17566	4.147	ng	90
31) Naphthalene	10.709	128	57299	4.253	ng	99
32) Benzoic acid	9.892	122	2425m	7.425	ng	
33) 4-Chloroaniline	10.809	127	20787	4.027	ng	96
34) Hexachlorobutadiene	11.002	225	11911	4.416	ng	93
35) Caprolactam	11.543	113	4917	8.635	ng	# 79
36) 4-Chloro-3-methylphenol	11.931	107	18737	4.541	ng	87
37) 2-Methylnaphthalene	12.319	142	36631	3.902	ng	95
38) 1-Methylnaphthalene	12.536	142	35829m	3.857	ng	
40) 1,2,4,5-Tetrachloroben...	12.683	216	21635	4.409	ng	97
41) Hexachlorocyclopentadiene	12.671	237	2690	2.166	ng	86
43) 2,4,6-Trichlorophenol	12.918	196	9977	8.003	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	12.988	196	10772	6.987	ng	#	81
46) 1,1'-Biphenyl	13.329	154	54676	4.316	ng		95
47) 2-Chloronaphthalene	13.370	162	39059	4.230	ng		92
48) 2-Nitroaniline	13.564	65	8424	8.060	ng		88
49) Acenaphthylene	14.210	152	60534	4.221	ng		100
50) Dimethylphthalate	13.952	163	45664	4.139	ng		98
51) 2,6-Dinitrotoluene	14.064	165	6758	7.773	ng	#	88
52) Acenaphthene	14.557	154	42896	4.459	ng		99
53) 3-Nitroaniline	14.381	138	7913	8.210	ng	#	86
54) 2,4-Dinitrophenol	14.592	184	1348	6.457	ng	#	85
55) Dibenzofuran	14.892	168	63924	4.092	ng		99
56) 4-Nitrophenol	14.686	139	7910	11.751	ng		88
57) 2,4-Dinitrotoluene	14.845	165	9425	8.485	ng	#	78
58) Fluorene	15.538	166	50959	4.220	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.115	232	11051	8.356	ng		97
60) Diethylphthalate	15.321	149	50171	4.289	ng		99
61) 4-Chlorophenyl-phenyle...	15.538	204	26363	4.352	ng		91
62) 4-Nitroaniline	15.538	138	8529	6.934	ng		92
63) Azobenzene	15.832	77	53729	3.889	ng		99
65) 4,6-Dinitro-2-methylph...	15.609	198	2696	6.793	ng		87
66) n-Nitrosodiphenylamine	15.750	169	41180	3.820	ng		97
67) 4-Bromophenyl-phenylether	16.431	248	16256	4.200	ng		95
68) Hexachlorobenzene	16.543	284	19344	4.251	ng		97
69) Atrazine	16.696	200	15501	4.320	ng		97
70) Pentachlorophenol	16.884	266	9770	11.619	ng	#	84
71) Phenanthrene	17.277	178	87945	4.306	ng		99
72) Anthracene	17.366	178	79888	3.909	ng		95
73) Carbazole	17.630	167	79146	4.137	ng		98
74) Di-n-butylphthalate	18.212	149	87713	4.399	ng		99
75) Fluoranthene	19.287	202	102670	4.128	ng		97
78) Pyrene	19.645	202	131171	4.997	ng		98
80) Butylbenzylphthalate	20.556	149	33565	8.794	ng		95
81) Benzo(a)anthracene	21.449	228	117388	4.348	ng		98
82) 3,3'-Dichlorobenzidine	21.373	252	33832	4.024	ng		96
83) Chrysene	21.514	228	116340	4.330	ng		96
84) Bis(2-ethylhexyl)phtha...	21.396	149	57948	8.043	ng		94
85) Di-n-octyl phthalate	22.548	149	89441	10.122	ng		100
87) Indeno(1,2,3-cd)pyrene	27.906	276	124313	4.331	ng		99
88) Benzo(b)fluoranthene	23.541	252	111729	4.265	ng	#	96
89) Benzo(k)fluoranthene	23.605	252	110824	4.120	ng		99
90) Benzo(a)pyrene	24.351	252	101703	4.349	ng		96
91) Dibenzo(a,h)anthracene	27.959	278	102624	4.234	ng		97
92) Benzo(g,h,i)perylene	28.946	276	99101	4.050	ng		95

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

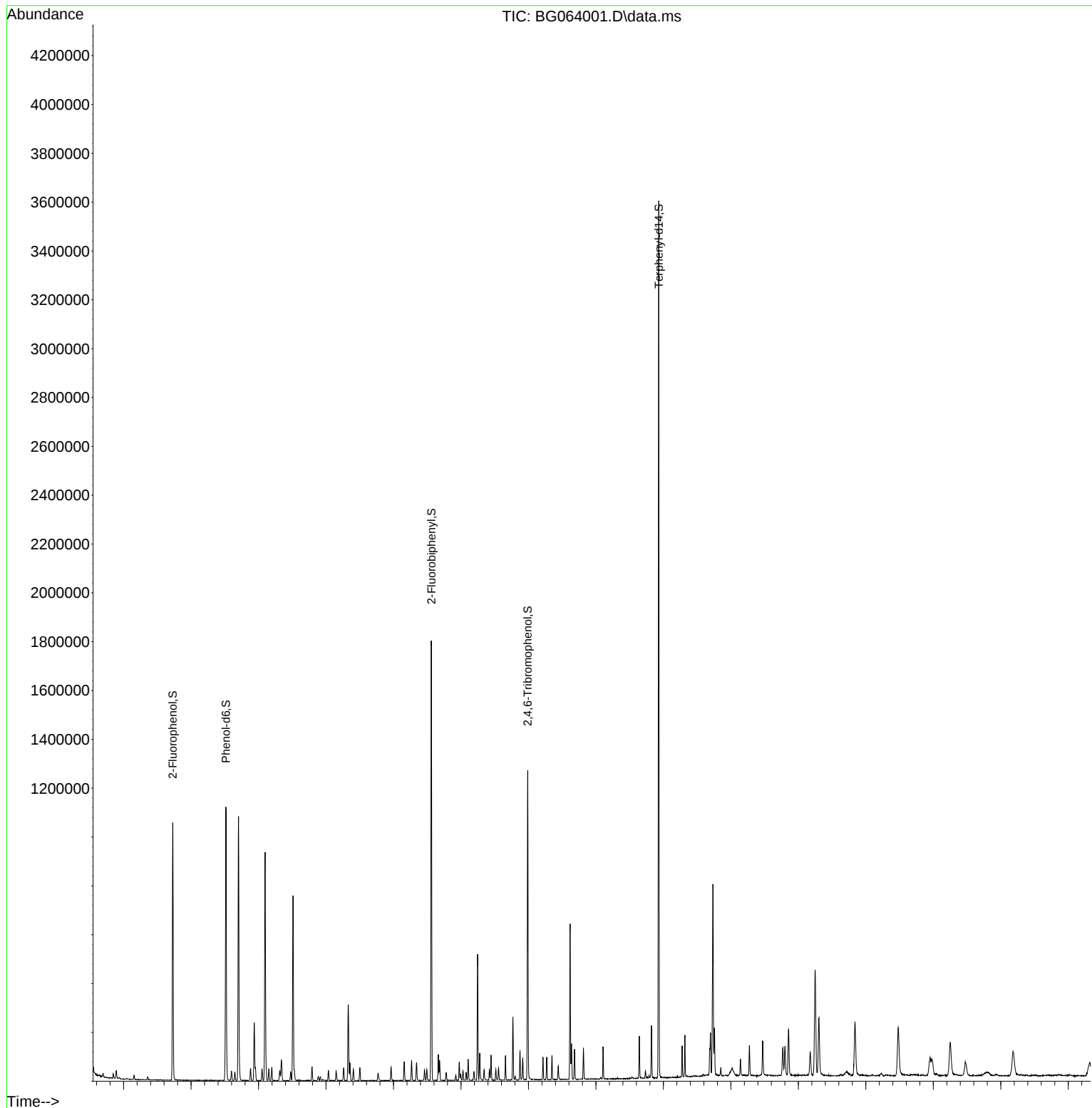
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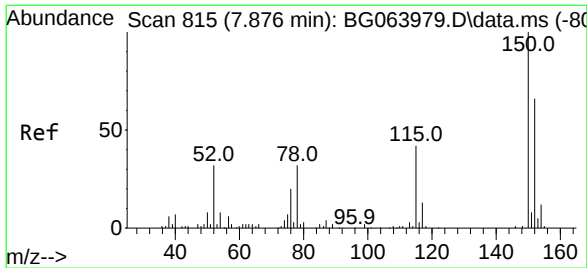
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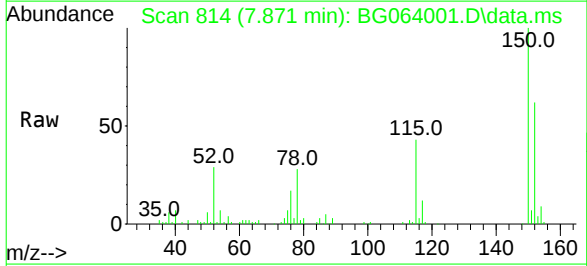
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.871 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

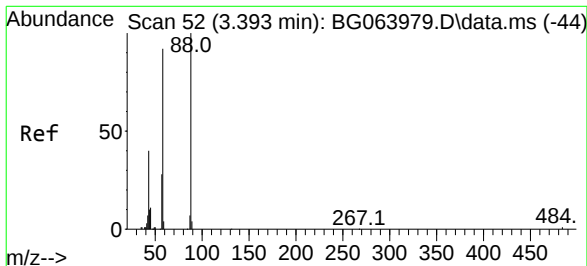
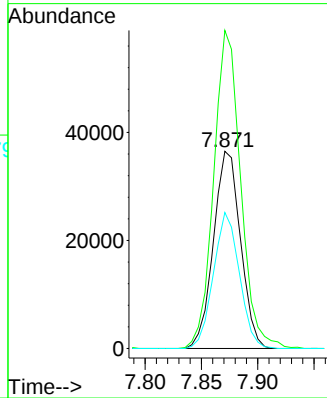
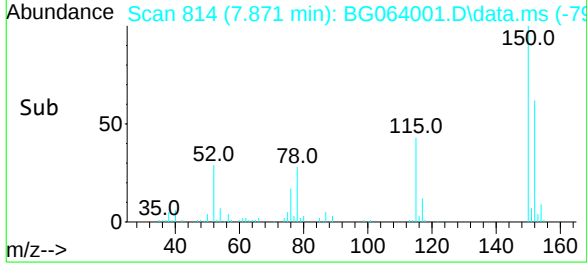
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



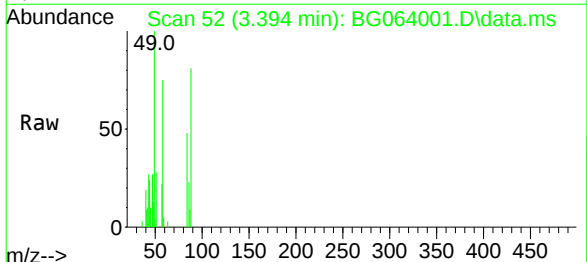
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Ion Ratio Lower Upper
152 100
150 161.3 121.0 181.6
115 69.0 50.4 75.6

Manual Integrations
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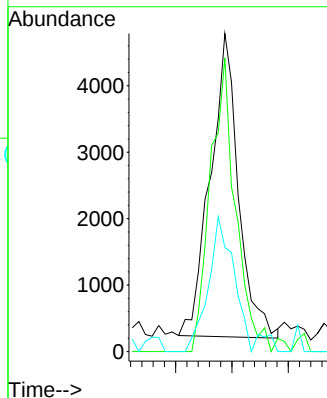
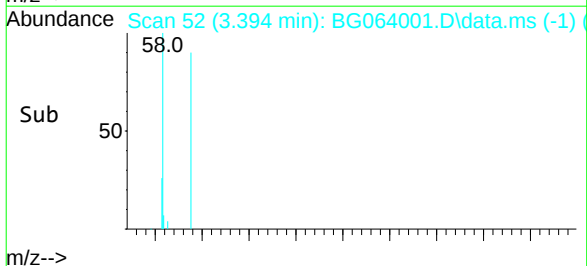
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Supervised By :mohammad ahmed 02/06/2025

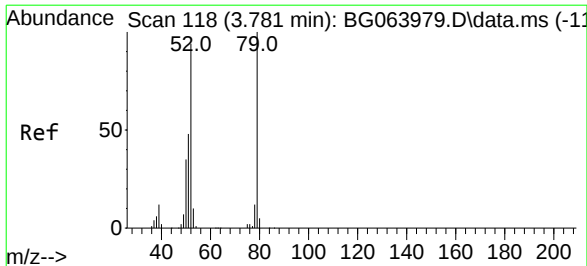


#2
1,4-Dioxane
Concen: 4.405 ng
RT: 3.394 min Scan# 52
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



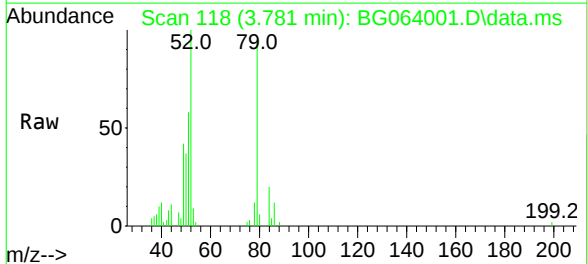
Tgt Ion: 88 Resp: 7950
Ion Ratio Lower Upper
88 100
58 88.1 71.8 107.8
43 39.9 31.2 46.8





#3
Pyridine
Concen: 3.413 ng
RT: 3.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

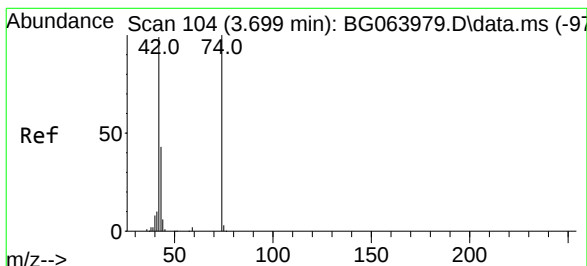
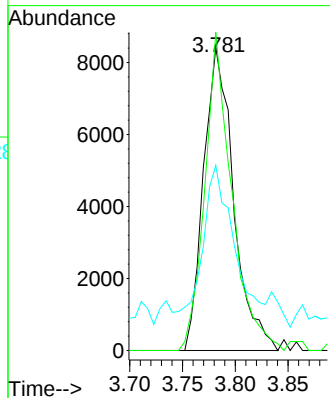
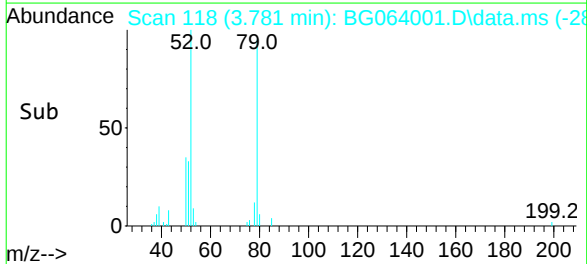
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 79 Resp: 16632
Ion Ratio Lower Upper
79 100
52 105.0 75.1 112.7
51 61.1 38.9 58.3#

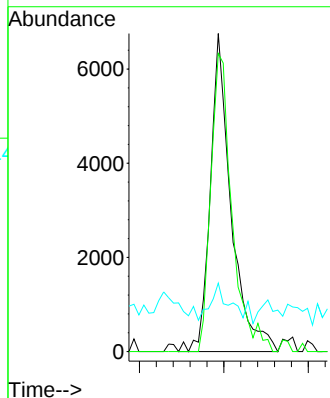
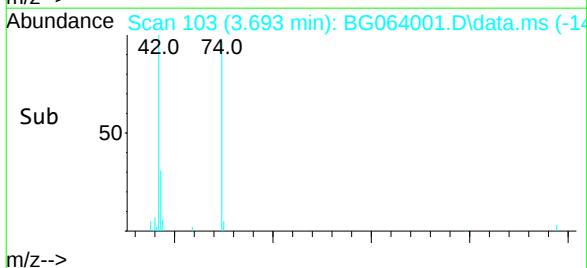
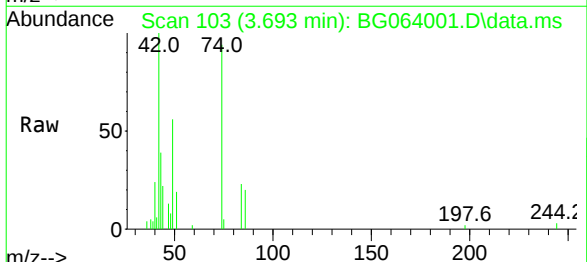
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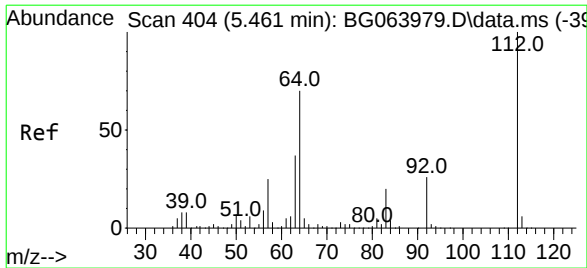
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#4
n-Nitrosodimethylamine
Concen: 4.124 ng
RT: 3.693 min Scan# 103
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

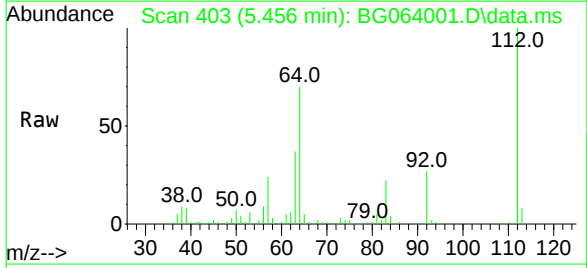
Tgt Ion: 42 Resp: 11554
Ion Ratio Lower Upper
42 100
74 93.7 80.8 121.2
44 21.5 5.8 8.6#





#5
2-Fluorophenol
Concen: 118.749 ng
RT: 5.456 min Scan# 40
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

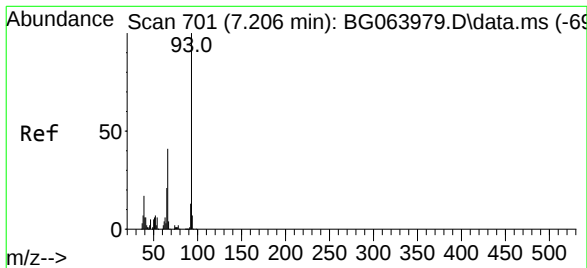
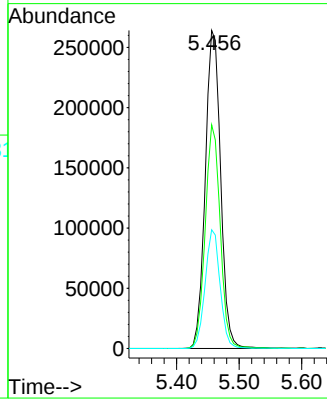
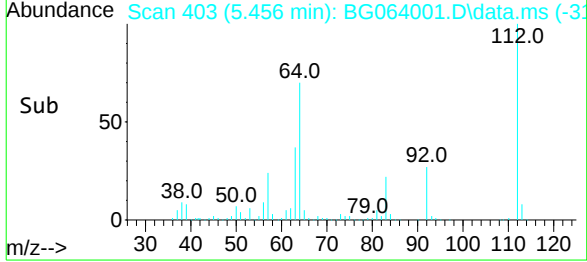
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:112 Resp: 451215
Ion Ratio Lower Upper
112 100
64 70.3 55.8 83.8
63 37.3 29.3 43.9

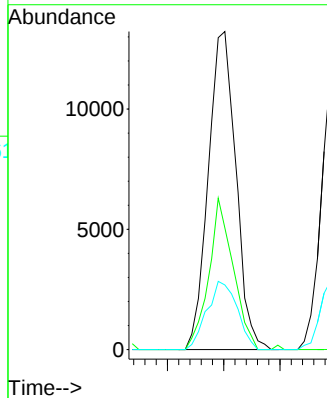
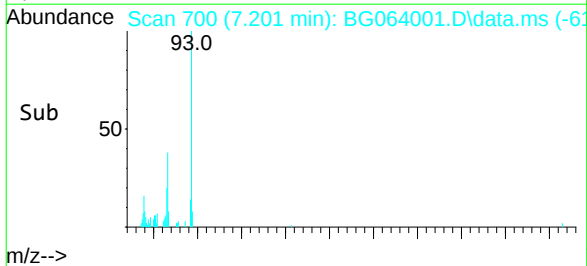
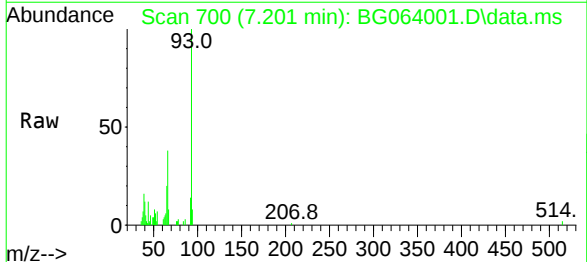
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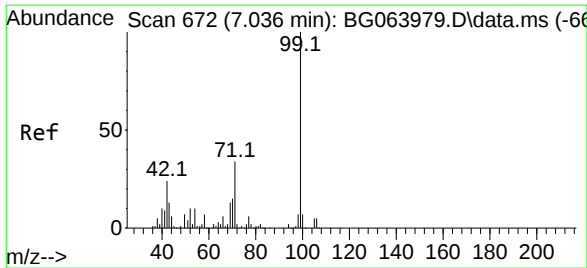
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 4.036 ng
RT: 7.201 min Scan# 700
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

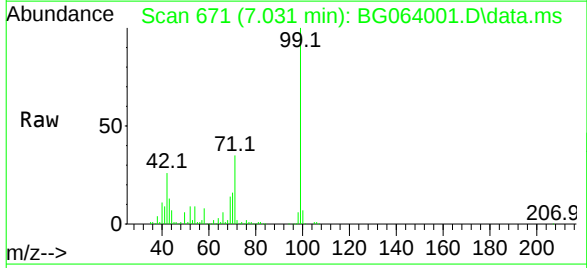
Tgt Ion: 93 Resp: 22552
Ion Ratio Lower Upper
93 100
66 38.2 32.5 48.7
65 20.3 16.6 25.0





#7
Phenol-d6
Concen: 117.252 ng
RT: 7.031 min Scan# 671
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

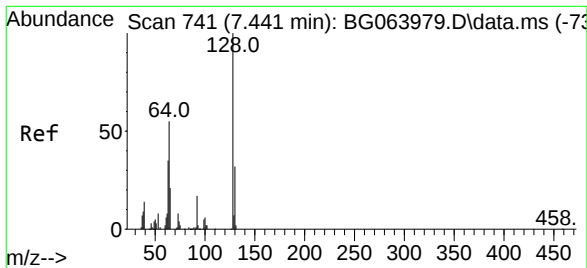
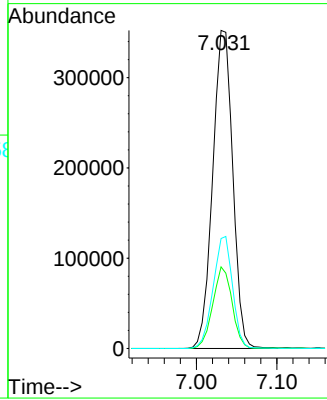
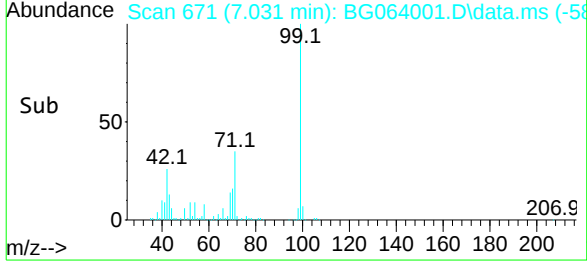
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 99 Resp: 611406
Ion Ratio Lower Upper
99 100
42 25.7 18.9 28.3
71 34.6 27.0 40.6

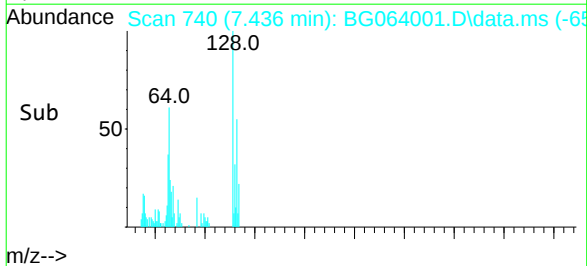
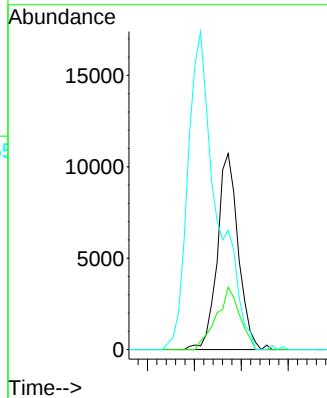
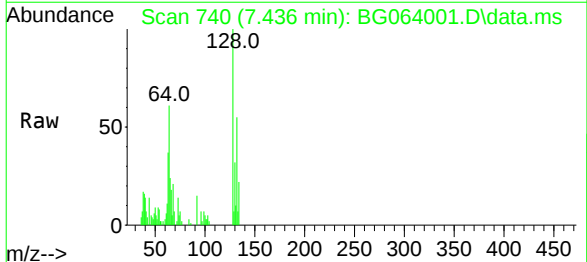
Manual Integrations
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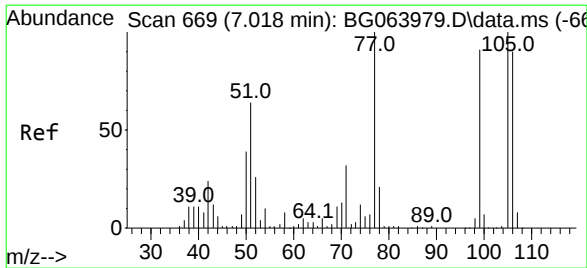
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 4.284 ng
RT: 7.436 min Scan# 740
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

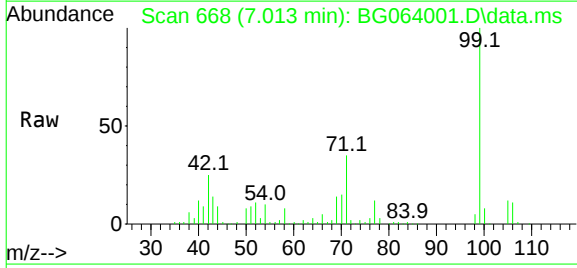
Tgt Ion:128 Resp: 16586
Ion Ratio Lower Upper
128 100
130 31.9 11.9 51.9
64 60.9 36.8 76.8





#9
Benzaldehyde
Concen: 6.125 ng
RT: 7.013 min Scan# 668
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

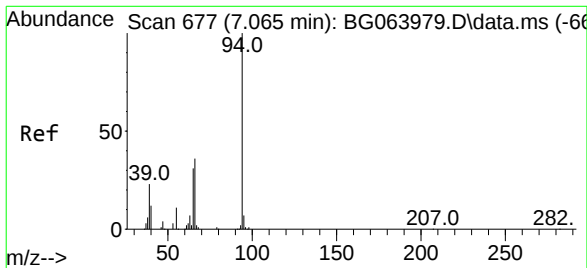
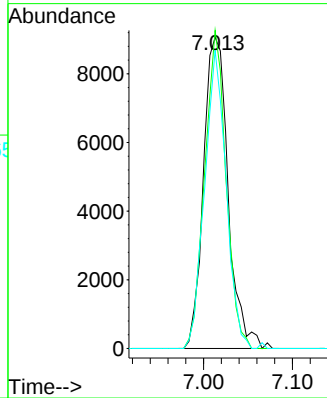
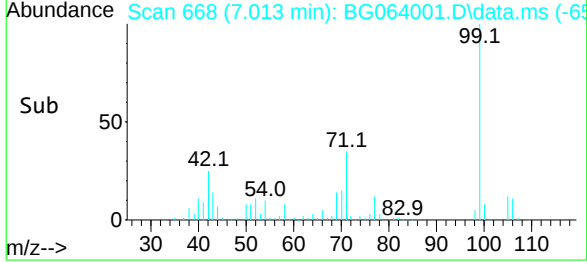
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ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 17436
Ion Ratio Lower Upper
77 100
105 102.2 79.8 119.8
106 95.8 69.9 109.9

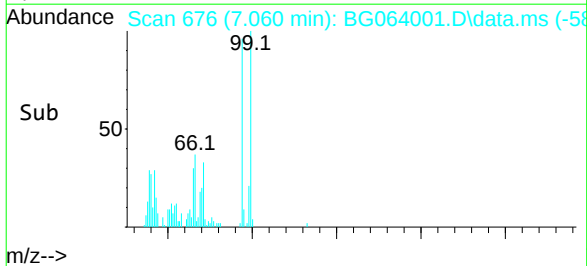
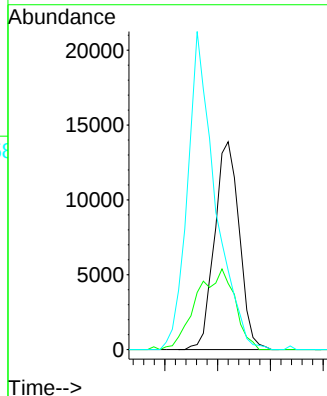
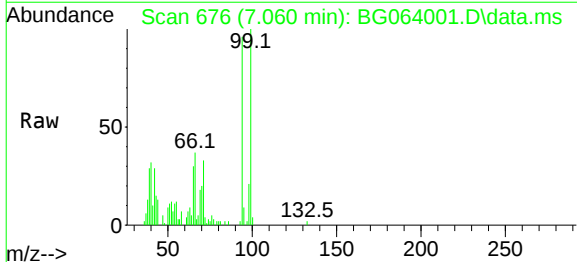
Manual Integrations
APPROVED

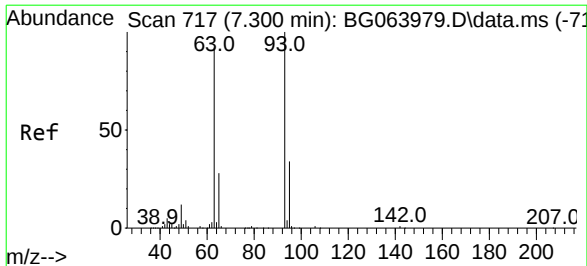
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 4.120 ng
RT: 7.060 min Scan# 676
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

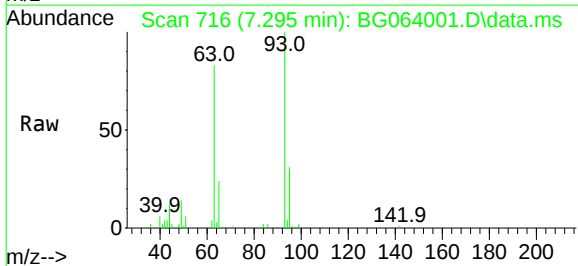
Tgt Ion: 94 Resp: 22614
Ion Ratio Lower Upper
94 100
65 31.8 11.4 51.4
66 38.1 16.7 56.7





#11
bis(2-Chloroethyl)ether
Concen: 4.032 ng
RT: 7.295 min Scan# 717
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

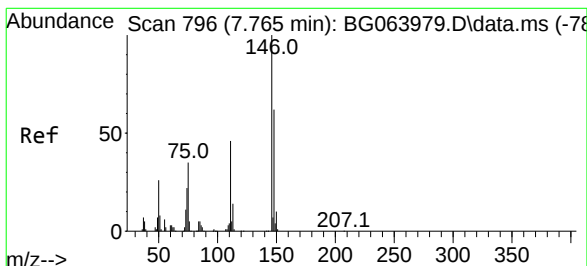
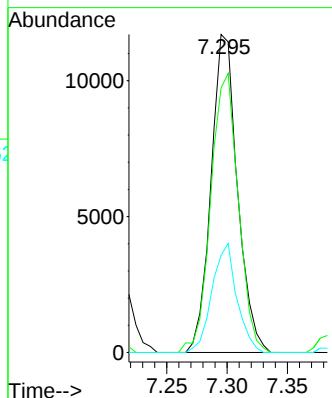
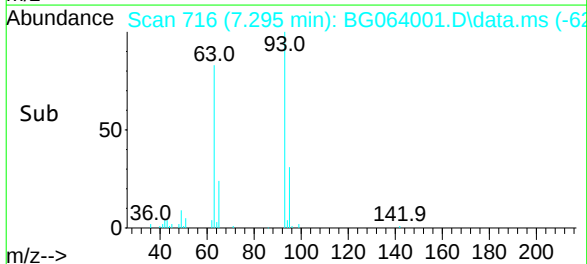
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 93 Resp: 17822
Ion Ratio Lower Upper
93 100
63 83.1 71.2 111.2
95 30.6 13.9 53.9

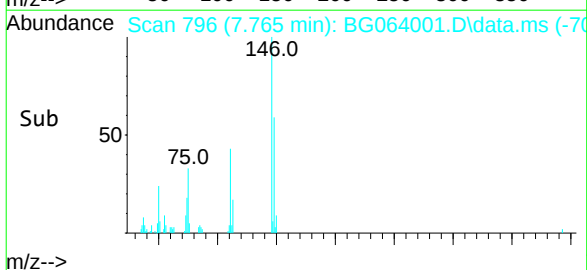
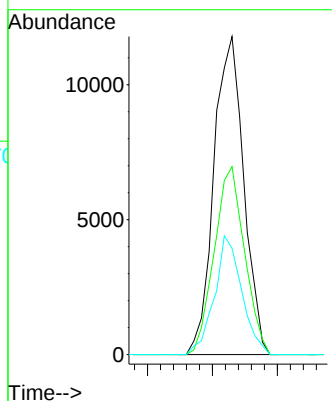
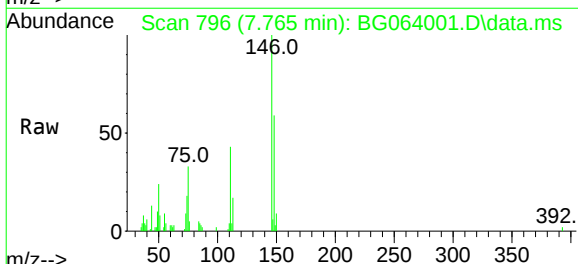
Manual Integrations
APPROVED

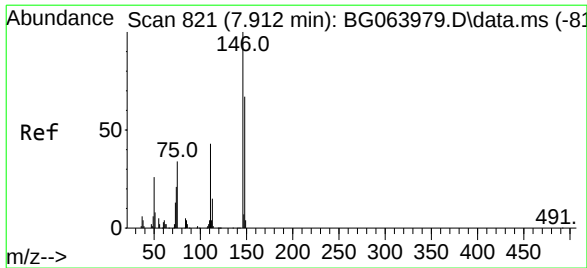
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 4.090 ng
RT: 7.765 min Scan# 796
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:146 Resp: 18842
Ion Ratio Lower Upper
146 100
148 59.1 49.6 74.4
75 33.4 27.8 41.8





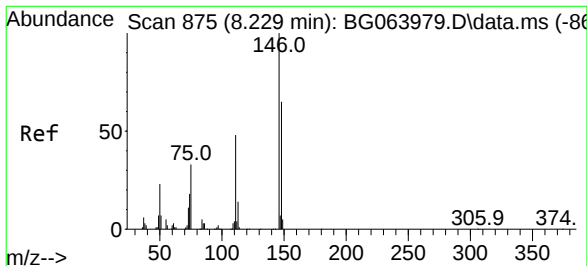
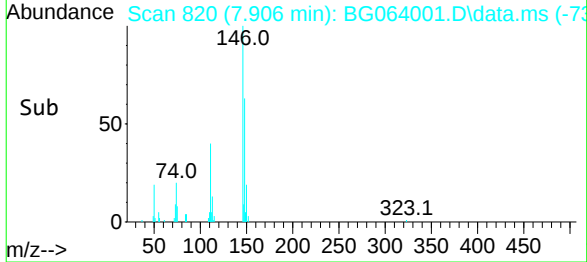
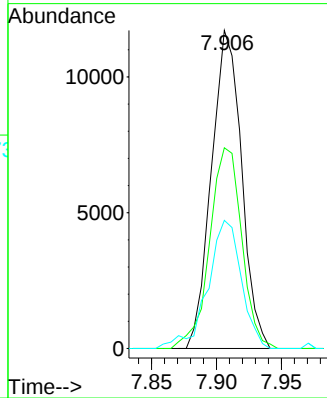
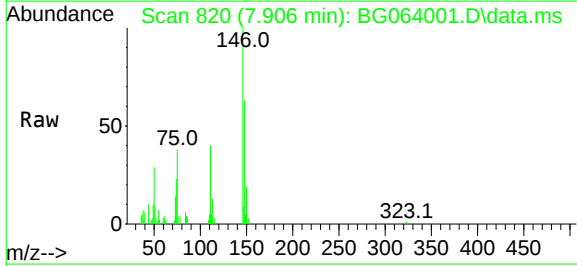
#13
1,4-Dichlorobenzene
Concen: 4.058 ng
RT: 7.906 min Scan# 821
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:146 Resp: 18883
Ion Ratio Lower Upper
146 100
148 63.1 53.3 79.9
111 40.3 34.8 52.2

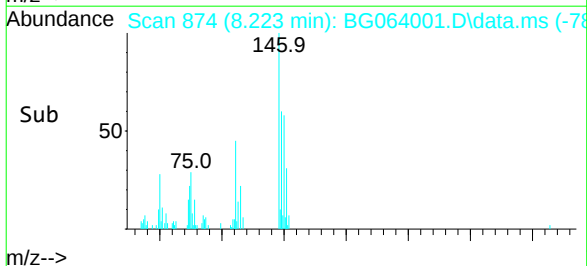
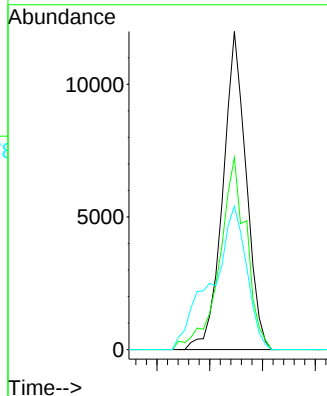
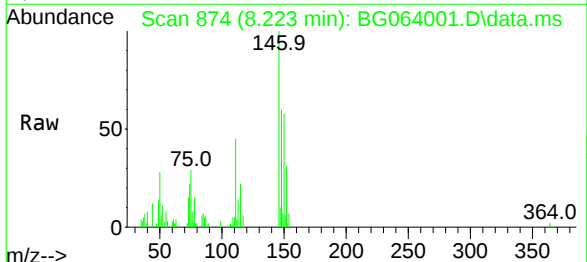
Manual Integrations
APPROVED

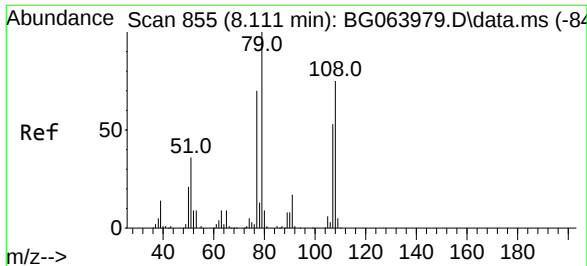
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#14
1,2-Dichlorobenzene
Concen: 4.125 ng
RT: 8.223 min Scan# 874
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

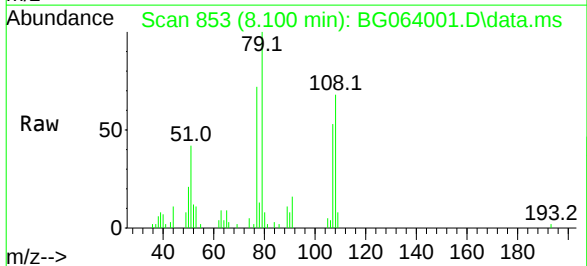
Tgt Ion:146 Resp: 18395
Ion Ratio Lower Upper
146 100
148 60.4 52.0 78.0
111 45.1 38.2 57.2





#15
Benzyl Alcohol
Concen: 3.826 ng
RT: 8.100 min Scan# 855
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

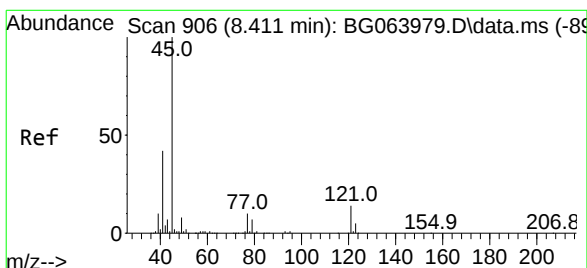
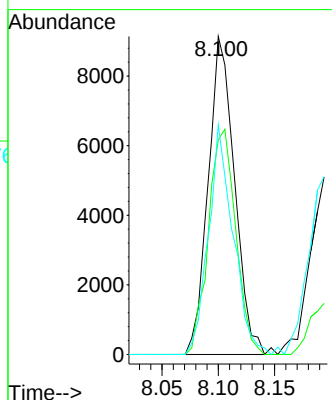
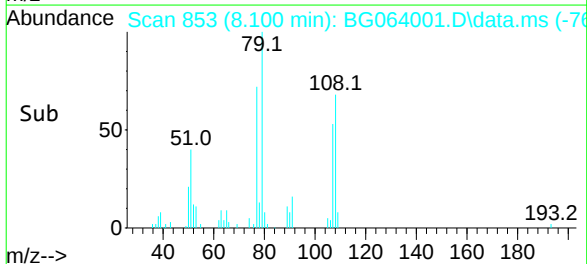
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



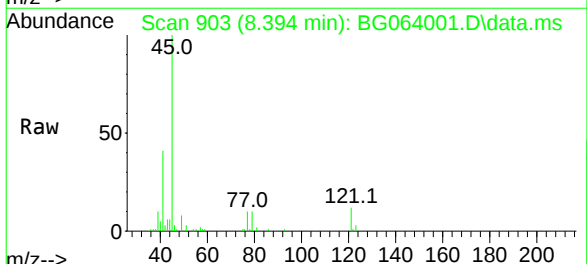
Tgt Ion: 79 Resp: 14914
Ion Ratio Lower Upper
79 100
108 67.5 60.3 90.5
77 72.2 55.8 83.8

Manual Integrations
APPROVED

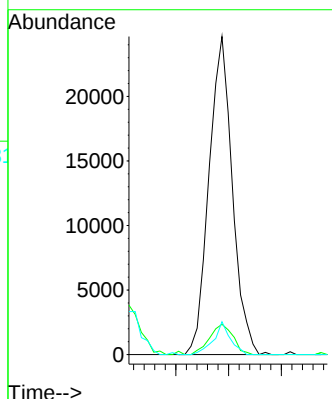
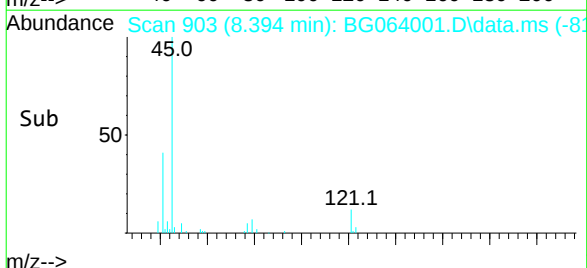
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

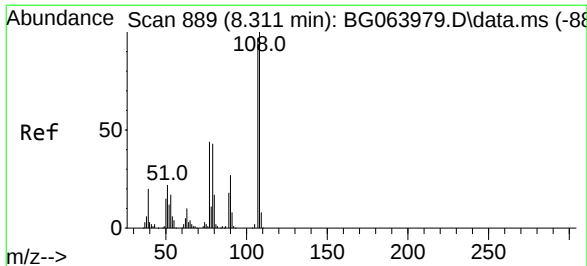


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.268 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.017 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



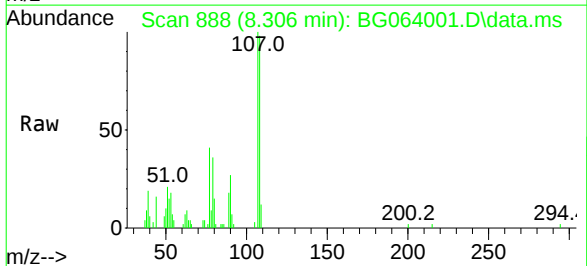
Tgt Ion: 45 Resp: 37986
Ion Ratio Lower Upper
45 100
77 9.5 0.0 29.8
79 10.3 0.0 27.7





#17
2-Methylphenol
Concen: 3.850 ng
RT: 8.306 min Scan# 889
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

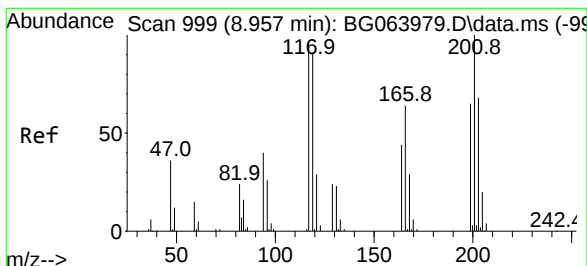
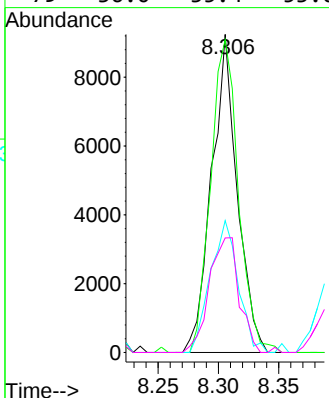
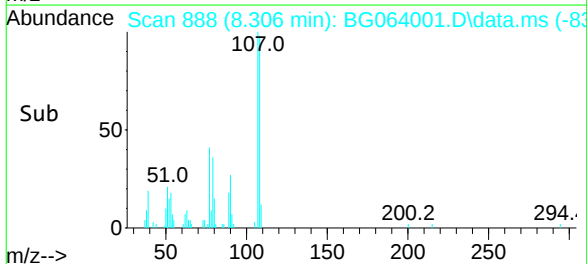
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	107	Resp:	13668
Ion	Ratio	Lower	Upper
107	100		
108	98.3	82.9	124.3
77	41.5	36.4	54.6
79	36.0	35.4	53.0

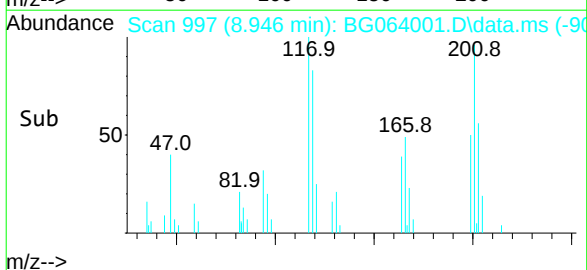
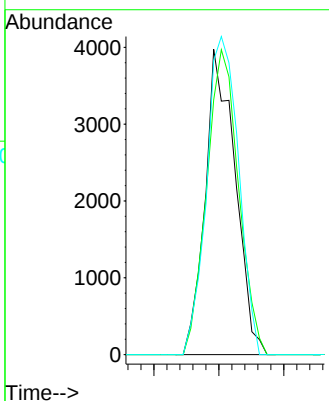
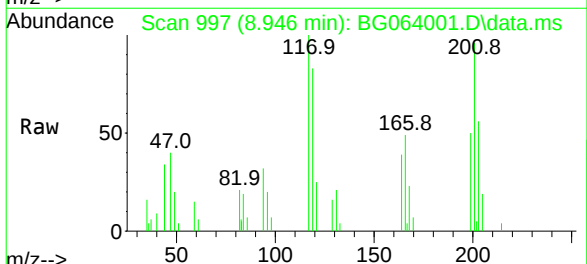
Manual Integrations
APPROVED

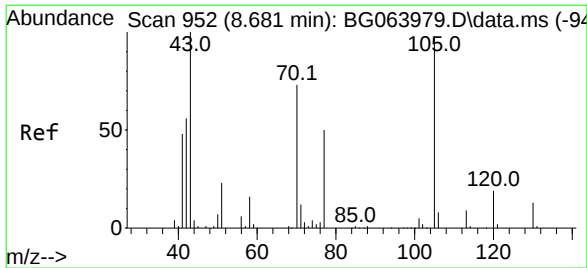
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 4.165 ng
RT: 8.946 min Scan# 997
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:	117	Resp:	6378
Ion	Ratio	Lower	Upper
117	100		
119	83.5	75.4	113.0
201	96.4	82.4	123.6





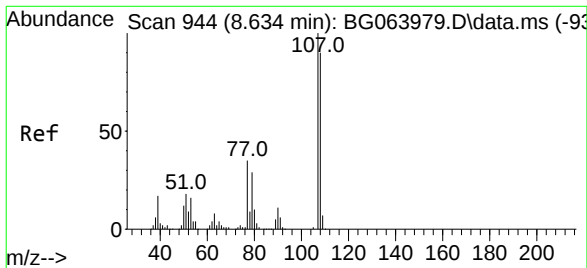
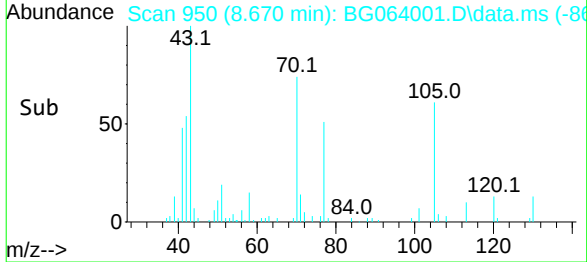
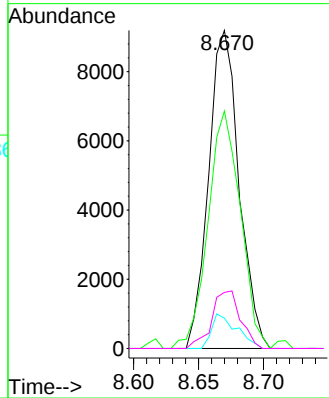
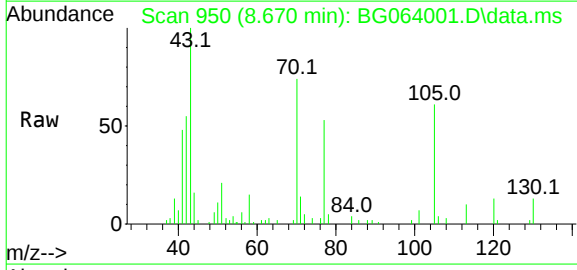
#19
n-Nitroso-di-n-propylamine
Concen: 4.146 ng
RT: 8.670 min Scan# 951
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 70 Resp: 14970
Ion Ratio Lower Upper
70 100
42 74.7 62.2 93.4
101 9.5 5.6 8.4#
130 17.6 13.8 20.6

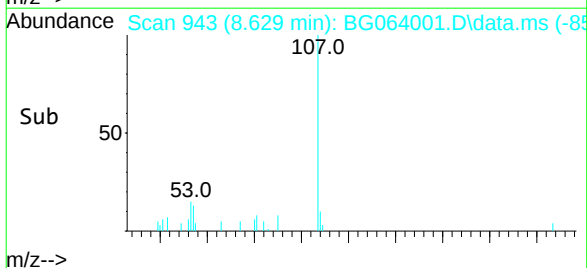
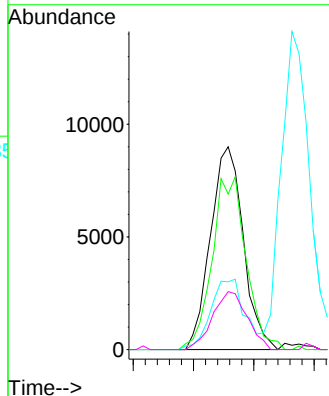
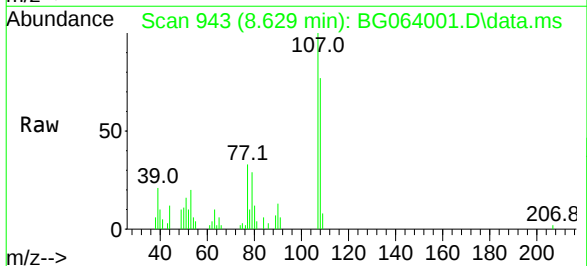
Manual Integrations
APPROVED

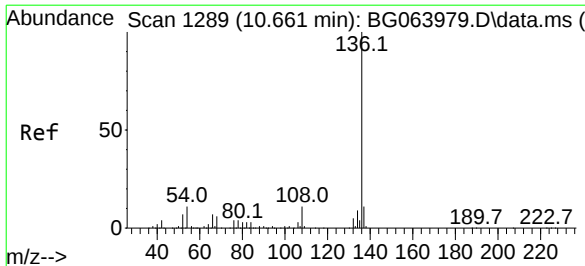
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#20
3+4-Methylphenols
Concen: 3.596 ng
RT: 8.629 min Scan# 943
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

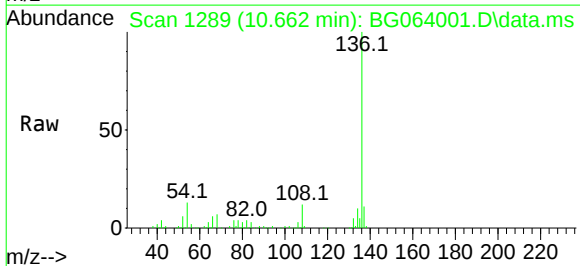
Tgt Ion:107 Resp: 17008
Ion Ratio Lower Upper
107 100
108 76.7 70.0 110.0
77 33.5 15.2 55.2
79 28.6 9.1 49.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.662 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

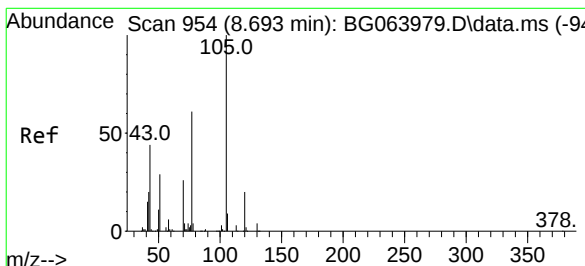
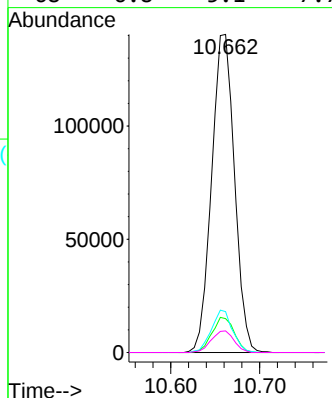
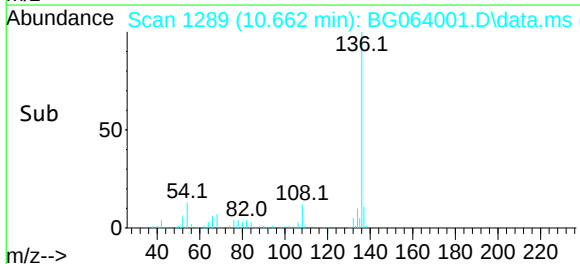
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



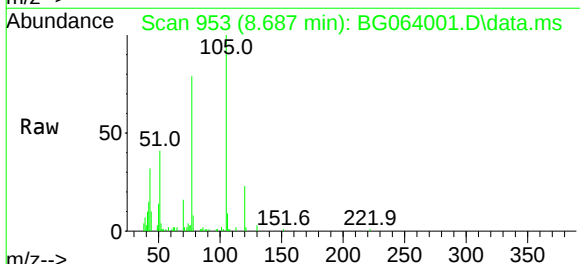
Tgt Ion:136 Resp: 251267
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 12.8 9.2 13.8
68 6.8 5.1 7.7

Manual Integrations
APPROVED

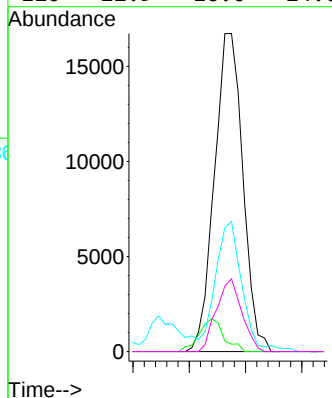
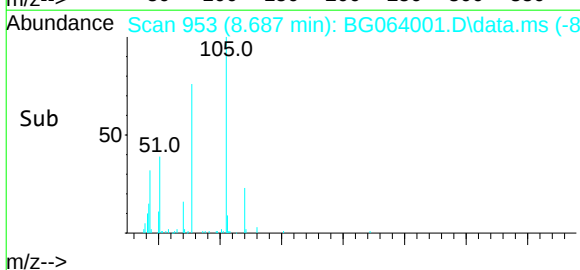
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

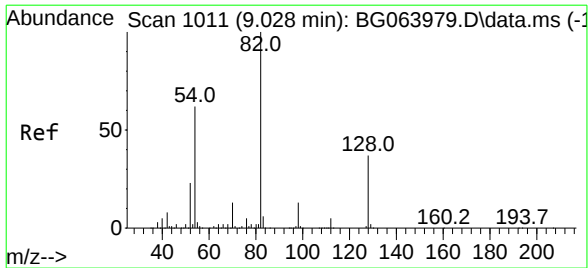


#22
Acetophenone
Concen: 4.256 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



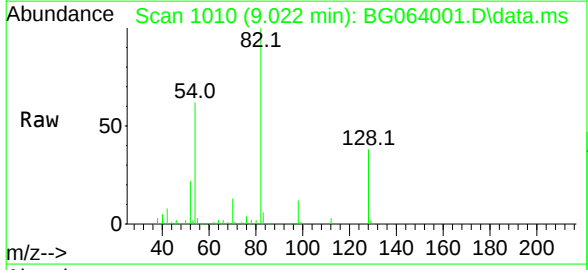
Tgt Ion:105 Resp: 29381
Ion Ratio Lower Upper
105 100
71 2.3 3.1 4.7#
51 41.0 29.9 44.9
120 22.9 16.0 24.0





#23
Nitrobenzene-d5
Concen: 98.917 ng
RT: 9.022 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

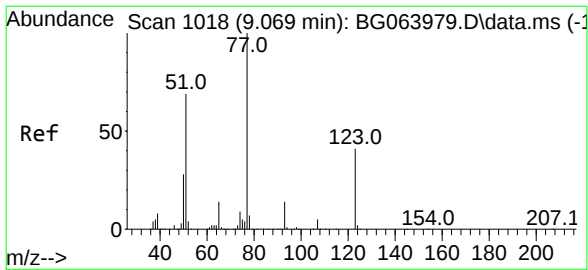
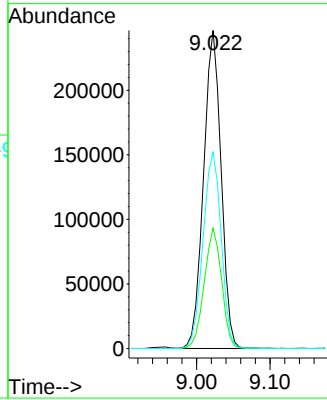
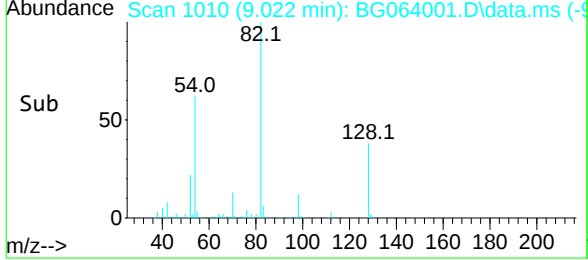
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 82 Resp: 408960
Ion Ratio Lower Upper
82 100
128 37.8 29.4 44.2
54 61.7 49.9 74.9

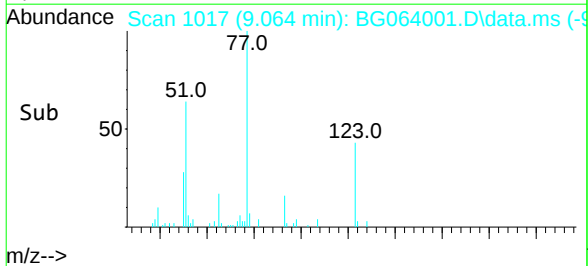
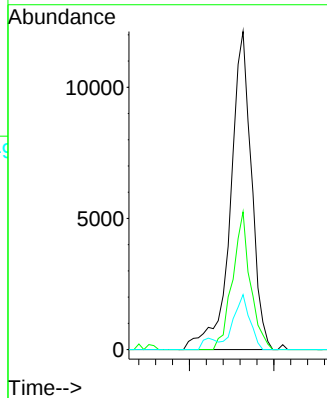
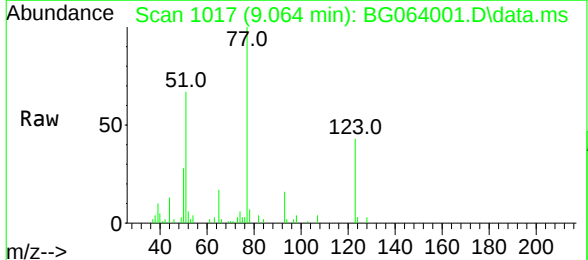
Manual Integrations
APPROVED

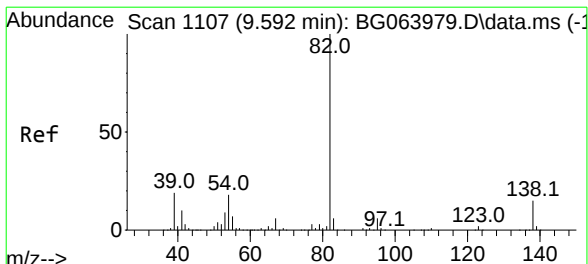
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#24
Nitrobenzene
Concen: 7.863 ng
RT: 9.064 min Scan# 1017
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

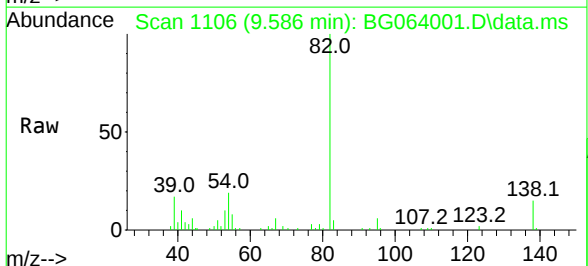
Tgt Ion: 77 Resp: 20968
Ion Ratio Lower Upper
77 100
123 43.3 32.9 49.3
65 17.3 11.0 16.6#





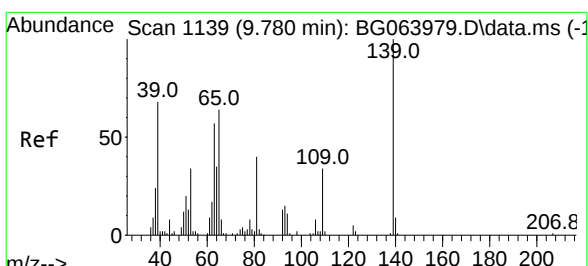
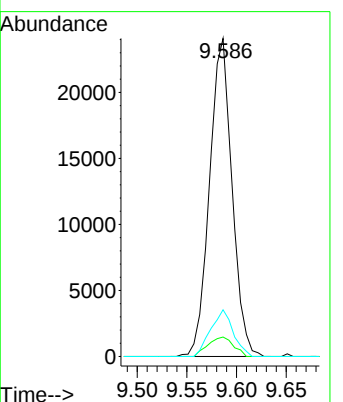
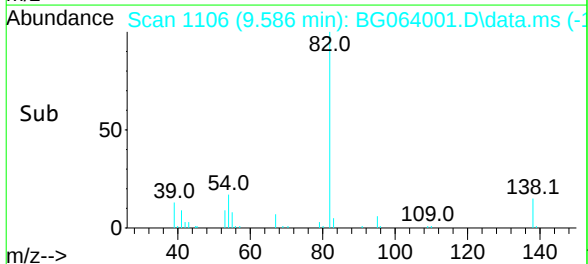
#25
Isophorone
Concen: 4.234 ng
RT: 9.586 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

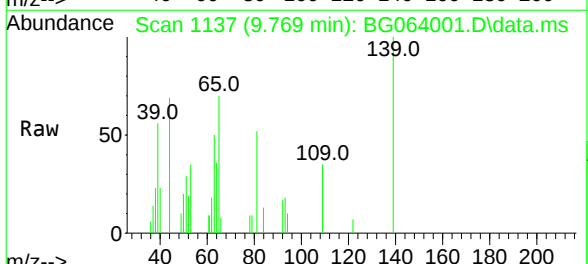


Tgt Ion:	82	Resp:	37950
Ion Ratio	Lower	Upper	
82	100		
95	6.1	5.0	7.4
138	14.7	12.2	18.4

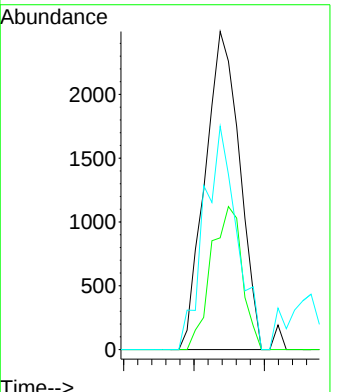
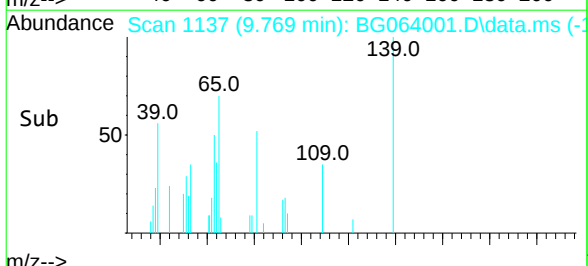
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

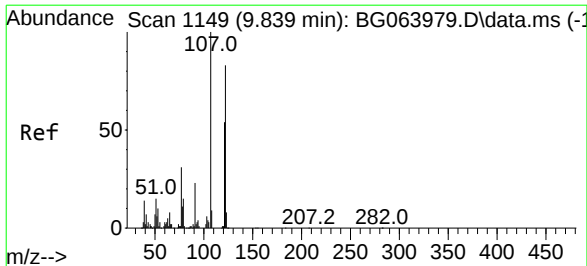


#26
2-Nitrophenol
Concen: 7.658 ng
RT: 9.769 min Scan# 1137
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



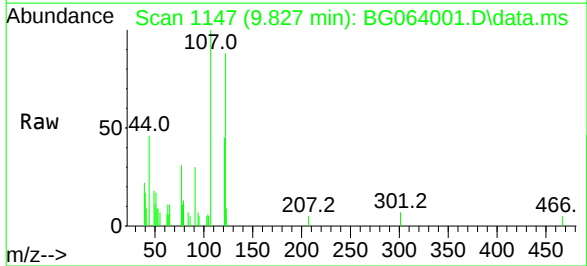
Tgt Ion:	139	Resp:	4256
Ion Ratio	Lower	Upper	
139	100		
109	35.1	27.1	40.7
65	70.2	51.0	76.6





#27
2,4-Dimethylphenol
Concen: 2.025 ng
RT: 9.827 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

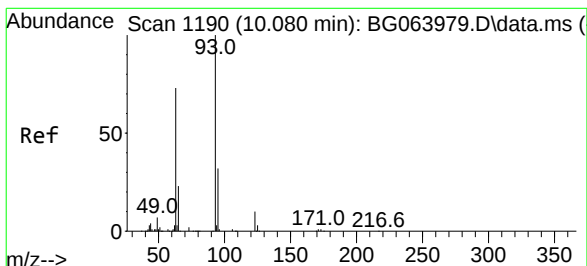
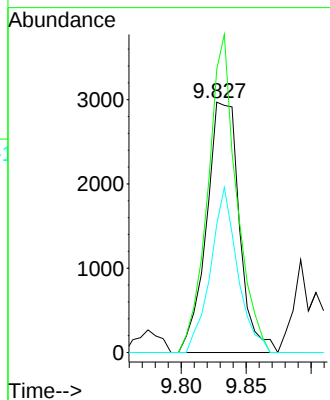
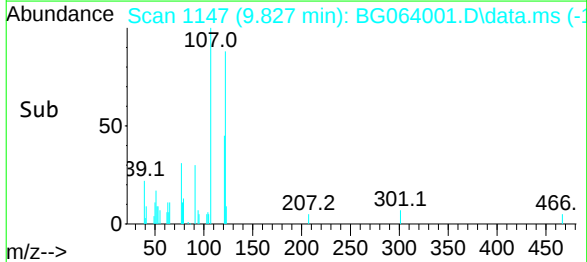
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 122 Resp: 5220
Ion Ratio Lower Upper
122 100
107 113.1 96.4 144.6
121 51.1 51.8 77.6#

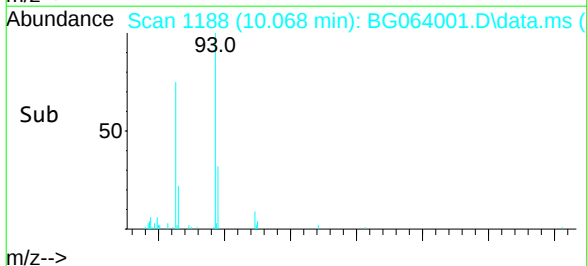
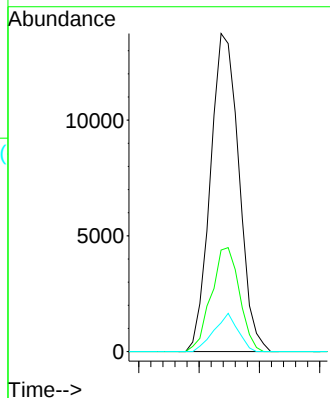
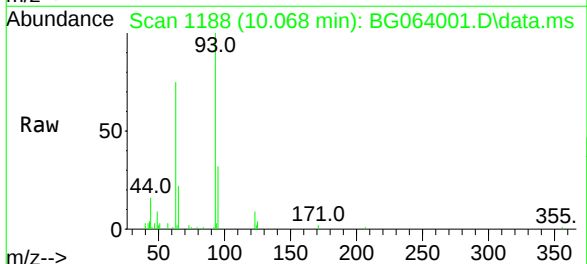
Manual Integrations
APPROVED

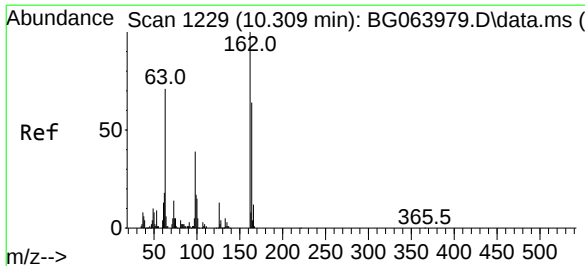
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 3.965 ng
RT: 10.068 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

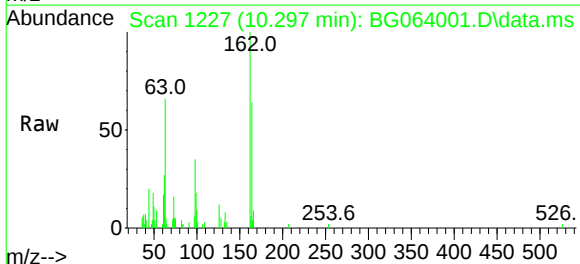
Tgt Ion: 93 Resp: 22610
Ion Ratio Lower Upper
93 100
95 31.9 25.4 38.2
123 9.0 7.8 11.6





#29
2,4-Dichlorophenol
Concen: 7.134 ng
RT: 10.297 min Scan# 1227
Delta R.T. -0.012 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

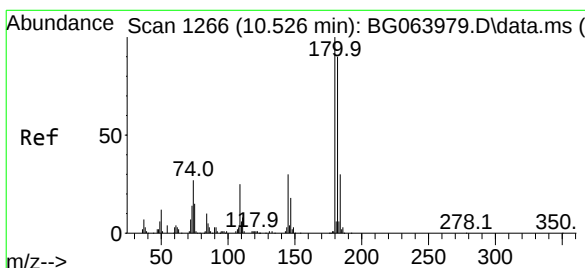
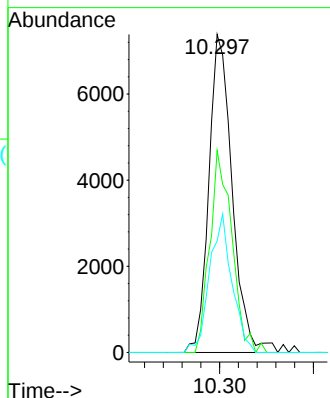
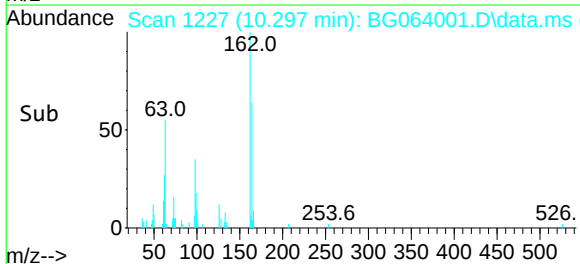
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



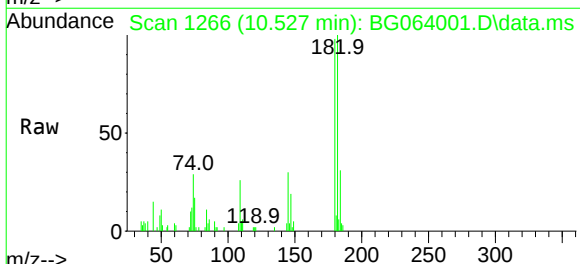
Tgt Ion:162 Resp: 12772
Ion Ratio Lower Upper
162 100
164 63.5 43.6 83.6
98 35.0 18.6 58.6

Manual Integrations
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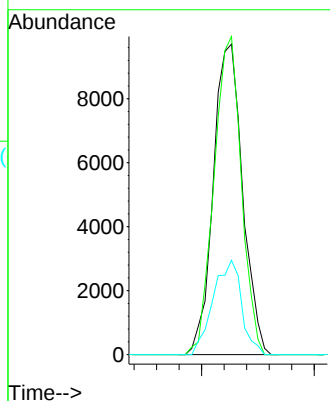
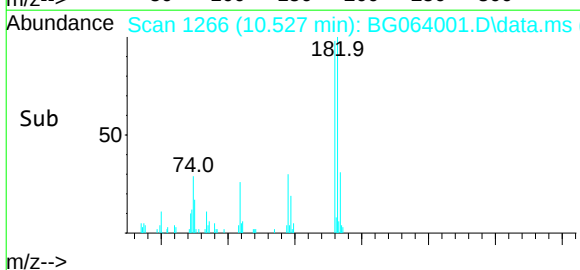
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

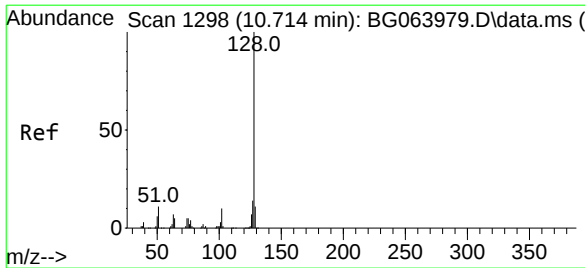


#30
1,2,4-Trichlorobenzene
Concen: 4.147 ng
RT: 10.527 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



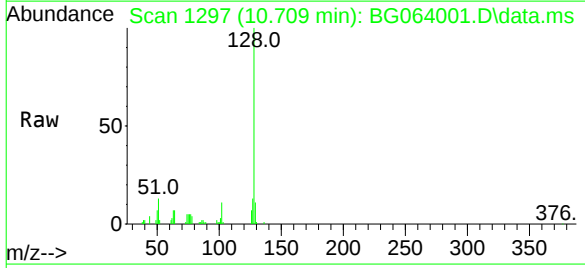
Tgt Ion:180 Resp: 17566
Ion Ratio Lower Upper
180 100
182 102.4 72.3 108.5
145 30.4 23.8 35.8





#31
Naphthalene
Concen: 4.253 ng
RT: 10.709 min Scan# 1297
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

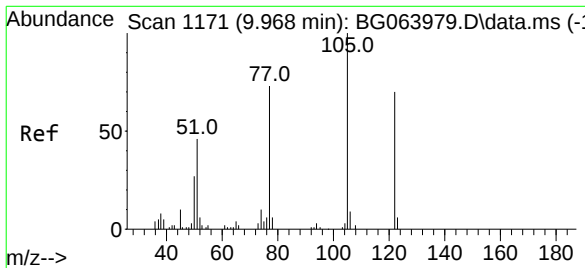
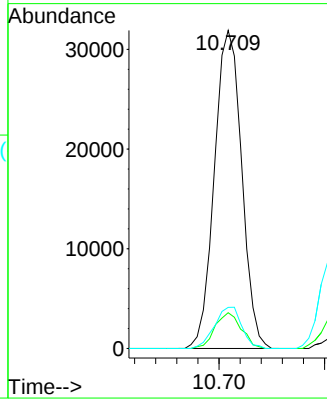
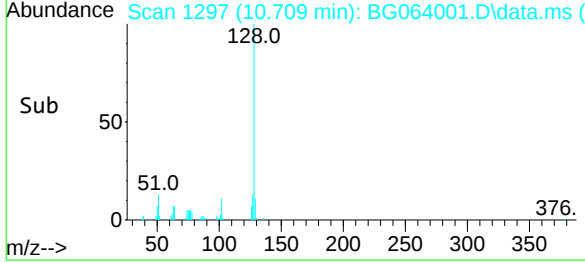
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	128	Resp:	57299
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.9	10.8	16.2

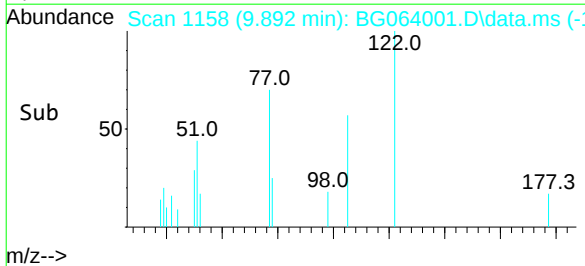
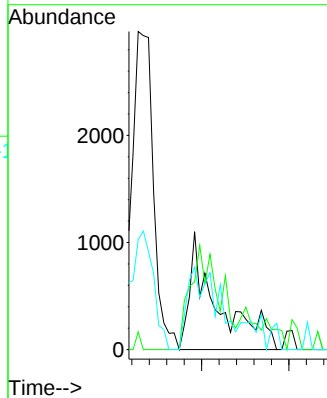
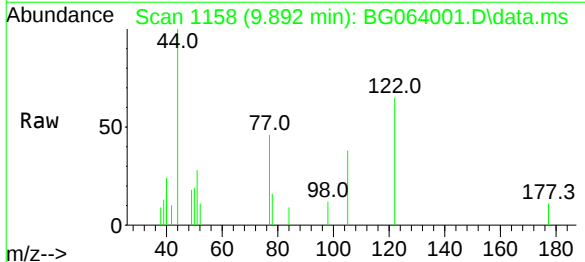
Manual Integrations
APPROVED

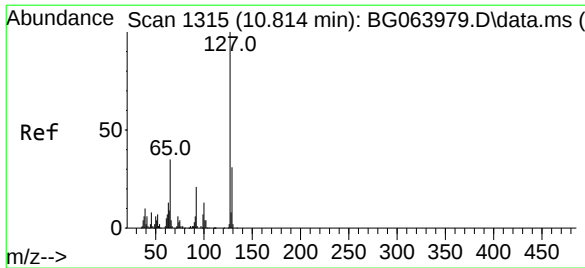
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 7.425 ng m
RT: 9.892 min Scan# 1158
Delta R.T. -0.076 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

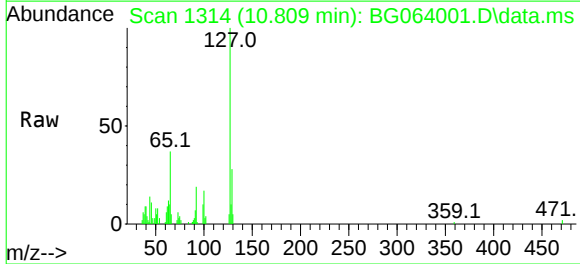
Tgt Ion:	122	Resp:	2425
Ion	Ratio	Lower	Upper
122	100		
105	57.5	117.9	157.9#
77	69.9	83.9	123.9#





#33
4-Chloroaniline
Concen: 4.027 ng
RT: 10.809 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

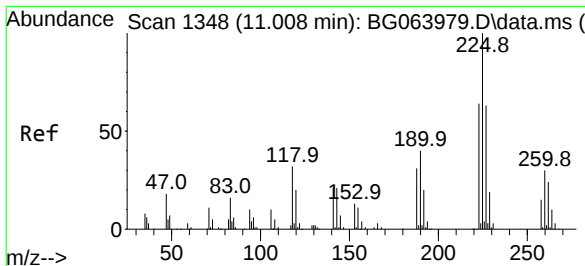
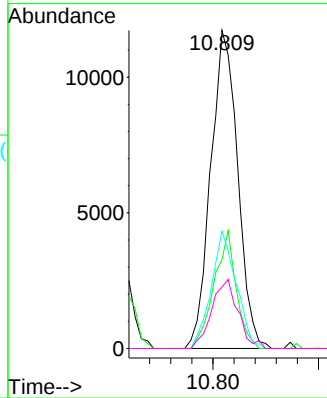
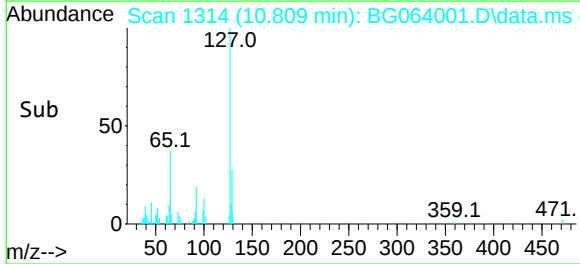
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



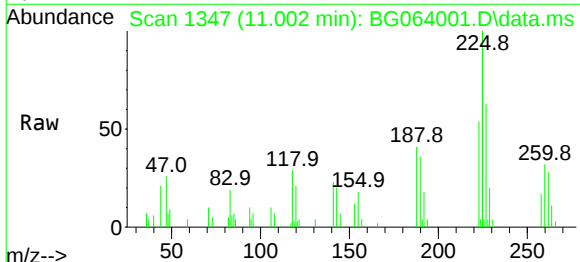
Tgt Ion:	127	Resp:	20787
Ion	Ratio	Lower	Upper
127	100		
129	27.9	24.9	37.3
65	36.9	28.2	42.4
92	19.3	16.9	25.3

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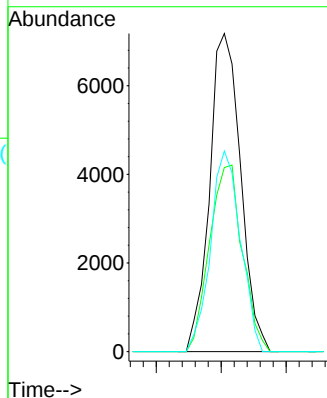
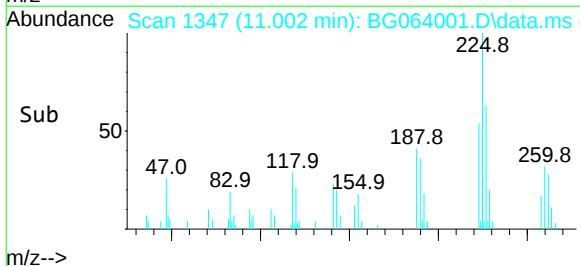
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

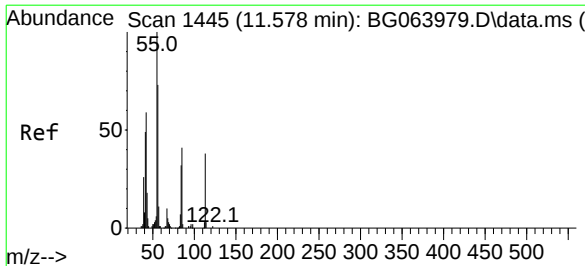


#34
Hexachlorobutadiene
Concen: 4.416 ng
RT: 11.002 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



Tgt Ion:	225	Resp:	11911
Ion	Ratio	Lower	Upper
225	100		
223	55.7	51.0	76.6
227	60.8	50.3	75.5





#35

Caprolactam

Concen: 8.635 ng

RT: 11.543 min Scan# 14

Delta R.T. -0.035 min

Lab File: BG064001.D

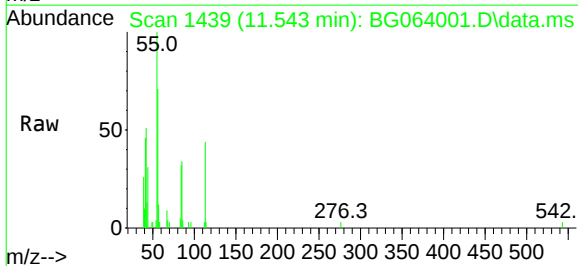
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

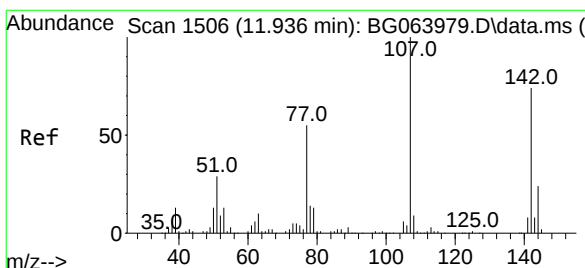
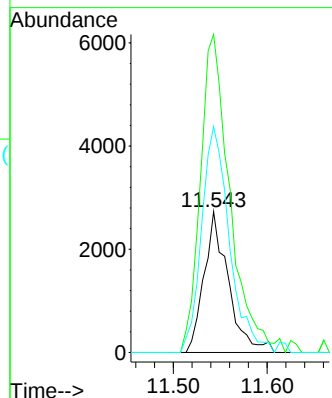
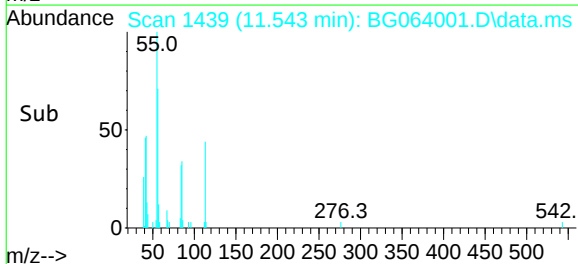
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	113	Resp:	4917
Ion	Ratio	Lower	Upper
113	100		
55	225.8	241.8	281.8#
56	160.3	171.5	211.5#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 4.541 ng

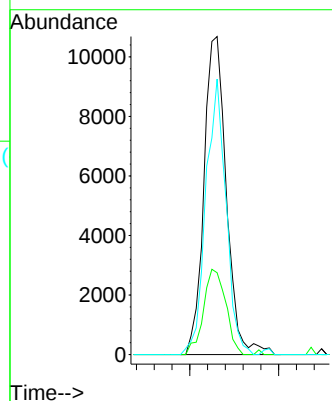
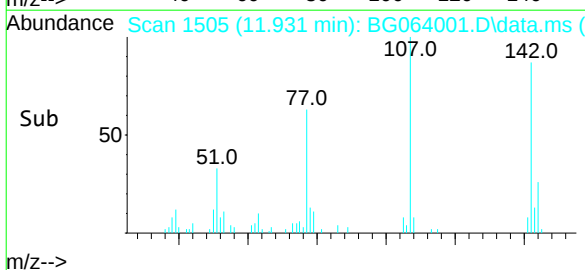
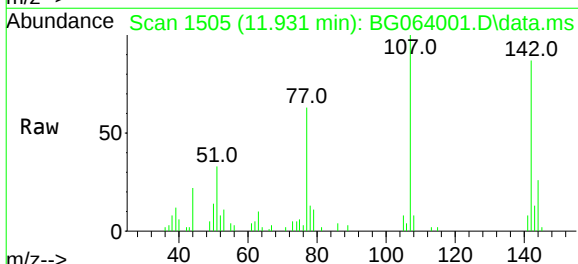
RT: 11.931 min Scan# 1505

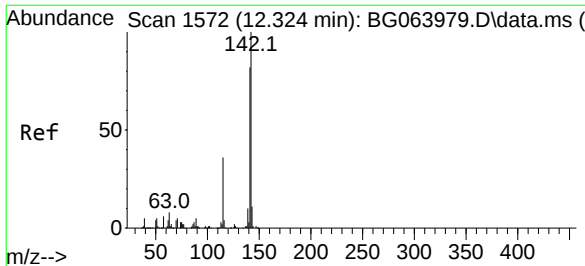
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt Ion:	107	Resp:	18737
Ion	Ratio	Lower	Upper
107	100		
144	25.7	19.2	28.8
142	86.6	58.9	88.3





#37

2-Methylnaphthalene

Concen: 3.902 ng

RT: 12.319 min Scan# 1571

Delta R.T. -0.005 min

Lab File: BG064001.D

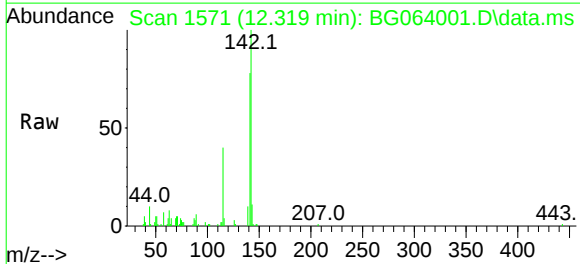
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



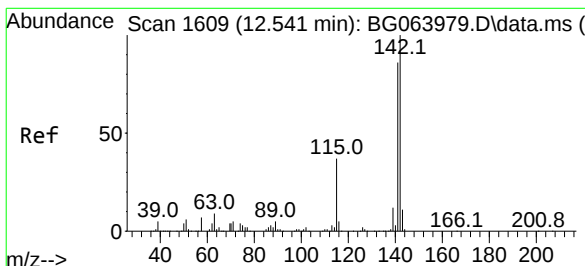
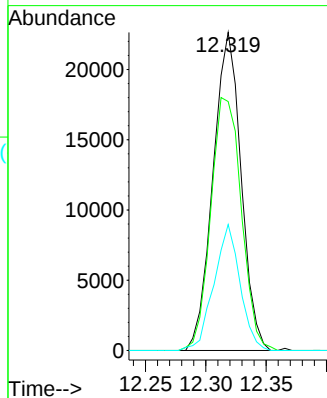
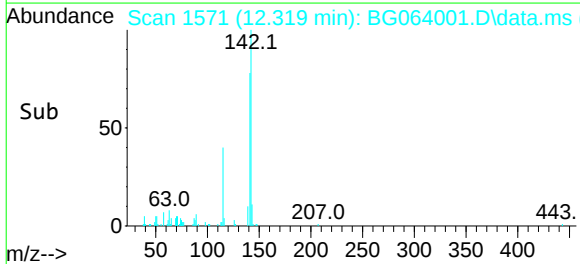
Tgt Ion:	142	Resp:	36631
Ion Ratio	Lower	Upper	
142	100		
141	78.3	65.8	98.8
115	39.6	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#38

1-Methylnaphthalene

Concen: 3.857 ng m

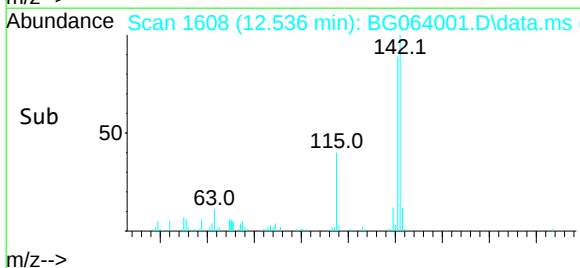
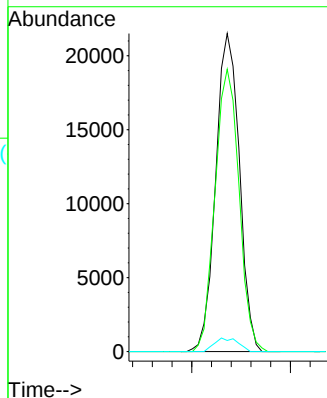
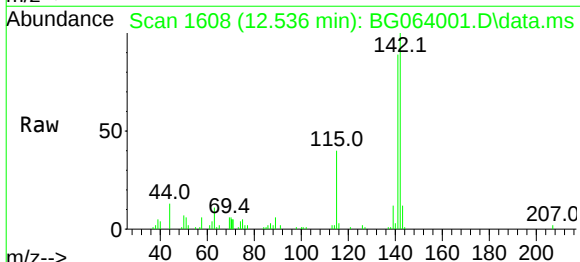
RT: 12.536 min Scan# 1608

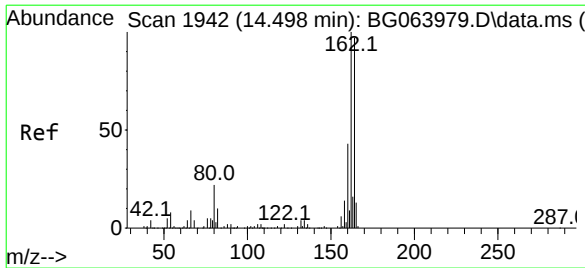
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

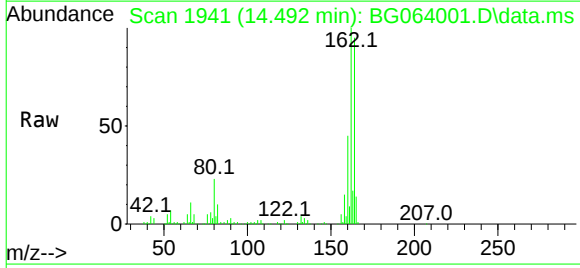
Tgt Ion:	142	Resp:	35829
Ion Ratio	Lower	Upper	
142	100		
141	88.8	69.2	103.8
116	3.5	3.6	5.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1942
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

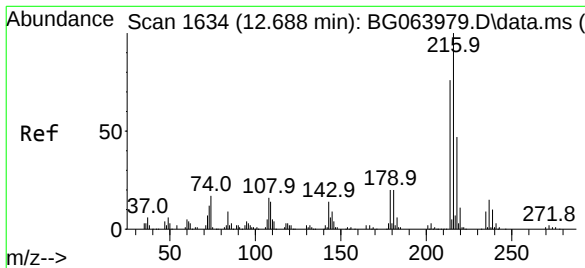
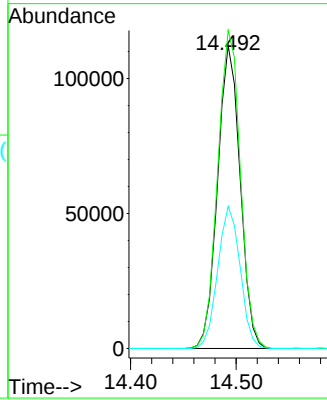
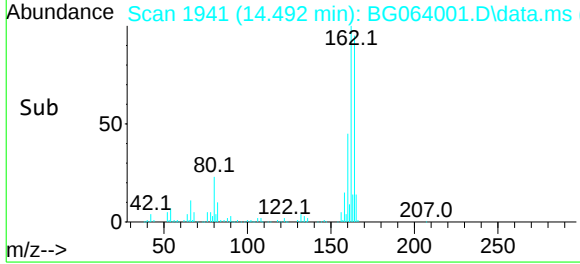
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



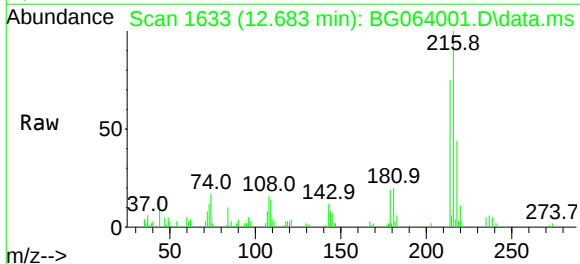
Tgt Ion:164 Resp: 166395
Ion Ratio Lower Upper
164 100
162 104.9 82.3 123.5
160 46.9 35.4 53.0

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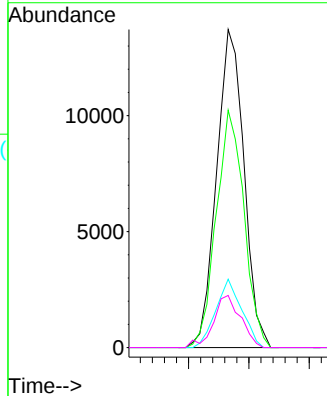
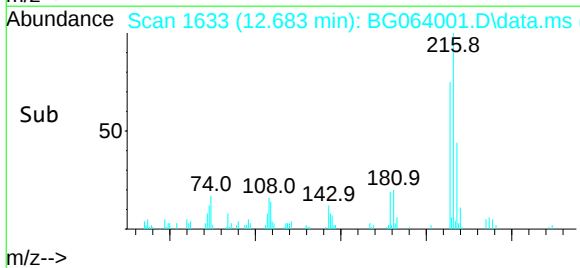
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

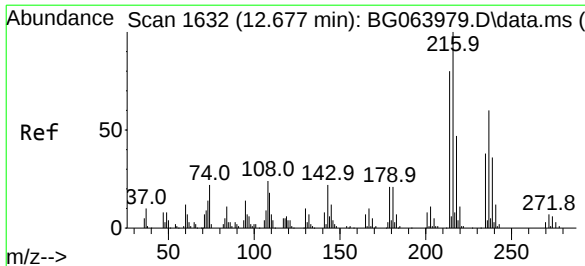


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.409 ng
RT: 12.683 min Scan# 1633
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



Tgt Ion:216 Resp: 21635
Ion Ratio Lower Upper
216 100
214 75.5 62.9 94.3
179 20.4 16.6 25.0
108 16.3 14.2 21.4





#41

Hexachlorocyclopentadiene

Concen: 2.166 ng

RT: 12.671 min Scan# 1632

Delta R.T. -0.006 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

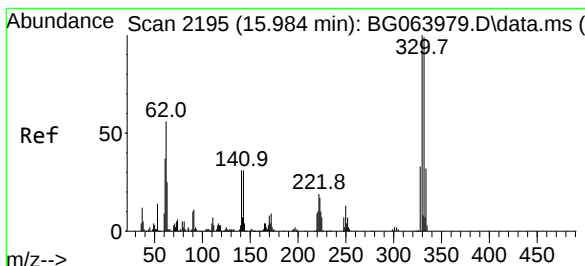
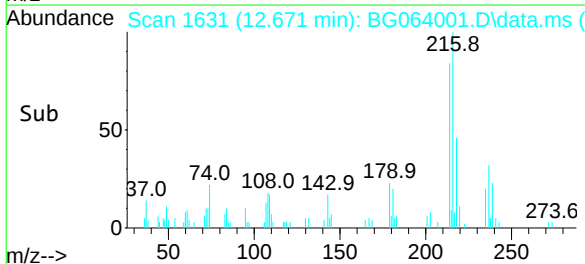
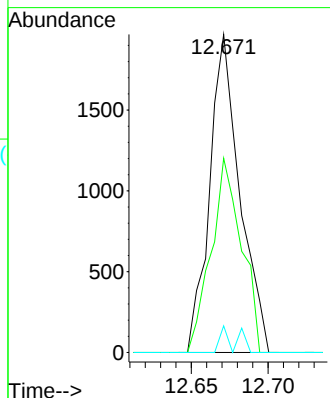
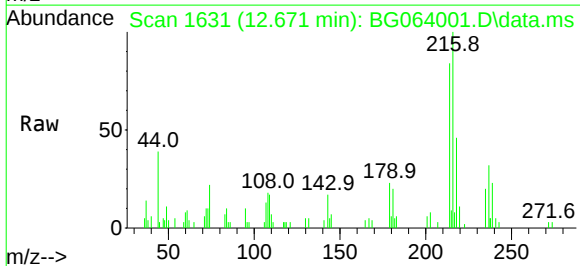
Tgt Ion:	237	Resp:	2690
Ion Ratio	Lower	Upper	
237	100		
235	52.4	43.8	83.8
272	7.2	0.0	32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 119.691 ng

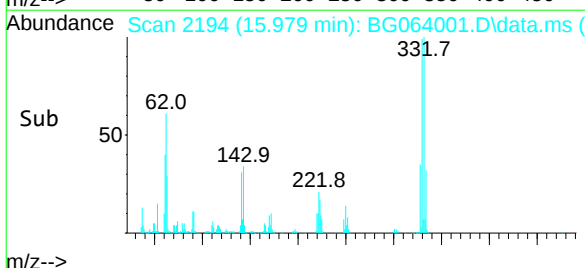
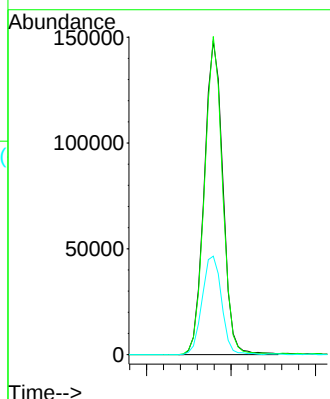
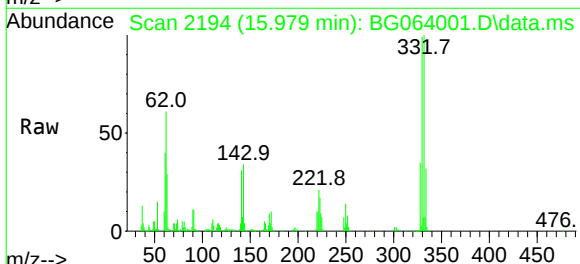
RT: 15.979 min Scan# 2194

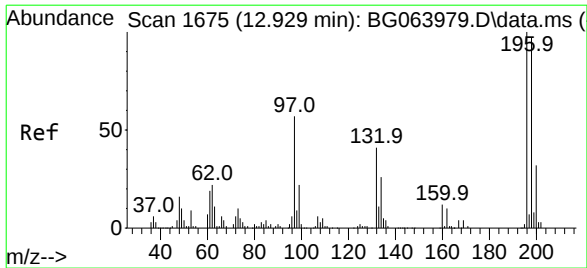
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

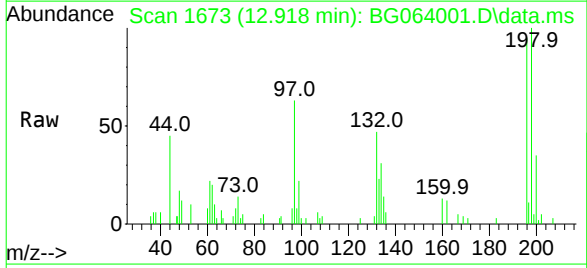
Tgt Ion:	330	Resp:	227457
Ion Ratio	Lower	Upper	
330	100		
332	97.7	79.0	118.6
141	32.7	27.2	40.8





#43
2,4,6-Trichlorophenol
Concen: 8.003 ng
RT: 12.918 min Scan# 1675
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

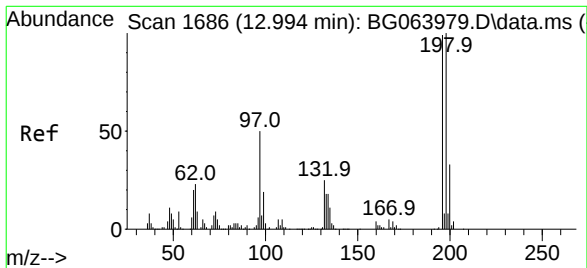
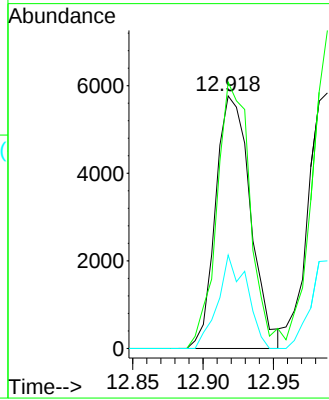
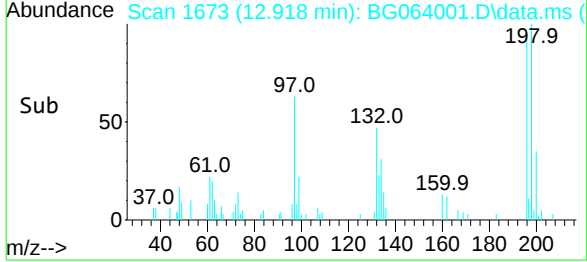
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



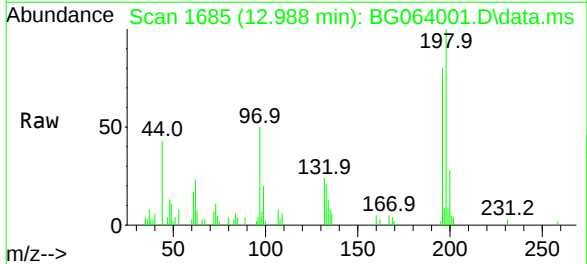
Tgt Ion:196 Resp: 9977
Ion Ratio Lower Upper
196 100
198 94.6 77.9 116.9
200 33.2 25.5 38.3

Manual Integrations
APPROVED

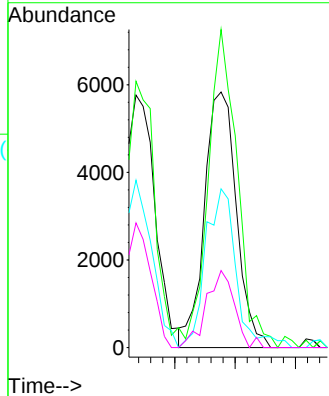
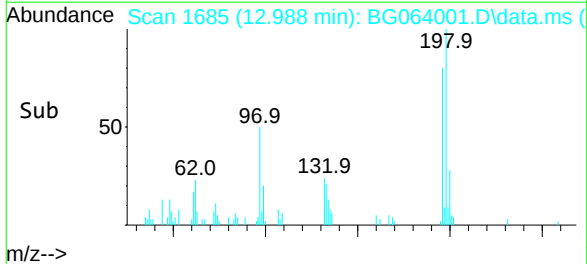
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

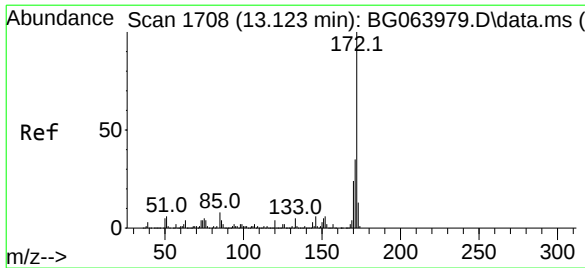


#44
2,4,5-Trichlorophenol
Concen: 6.987 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



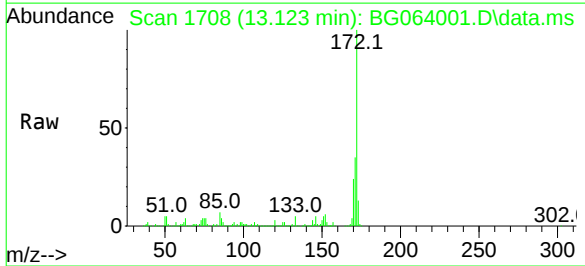
Tgt Ion:196 Resp: 10772
Ion Ratio Lower Upper
196 100
198 124.5 81.1 121.7#
97 62.1 41.2 61.8#
132 30.1 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 85.787 ng
RT: 13.123 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

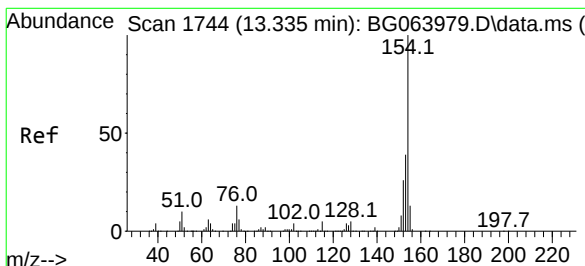
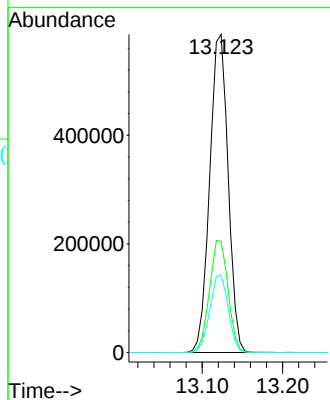
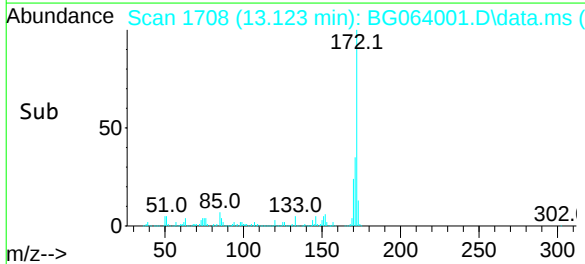
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:172 Resp: 931669
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 24.3 19.4 29.2

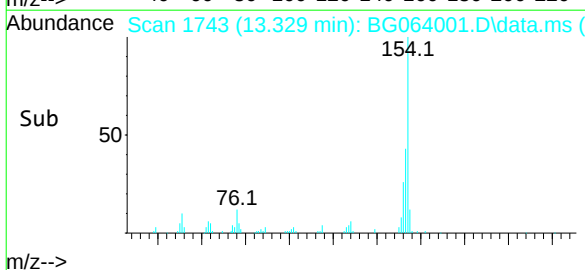
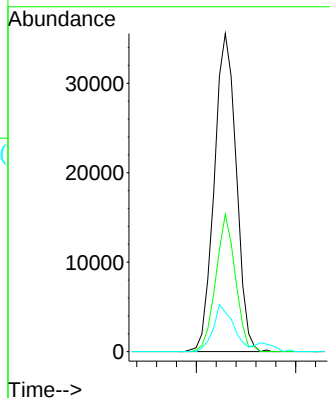
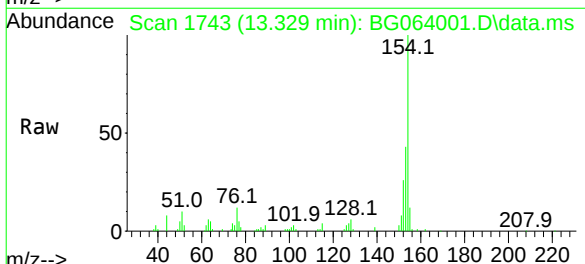
Manual Integrations
APPROVED

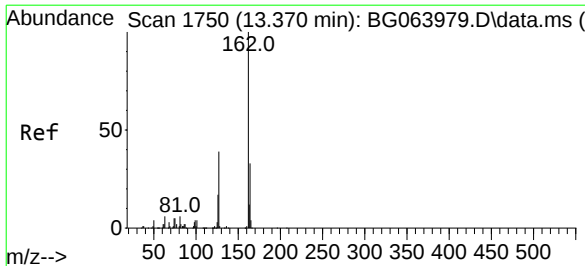
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 4.316 ng
RT: 13.329 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

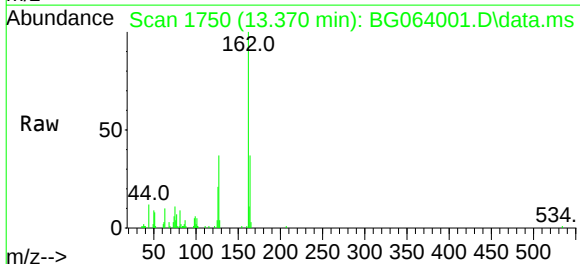
Tgt Ion:154 Resp: 54676
Ion Ratio Lower Upper
154 100
153 43.2 19.3 59.3
76 12.3 0.0 33.3





#47
2-Chloronaphthalene
Concen: 4.230 ng
RT: 13.370 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

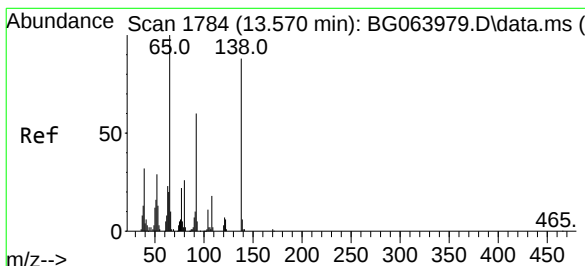
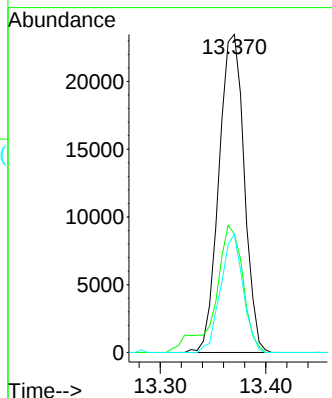
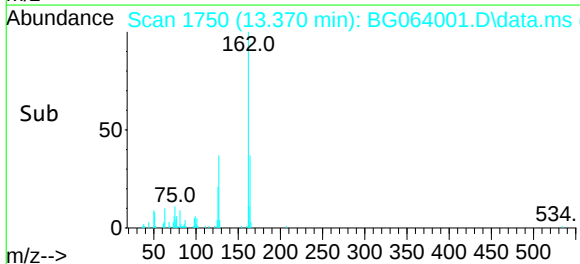
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	162	Resp:	39059
Ion Ratio	Lower	Upper	
162	100		
127	37.2	33.4	50.2
164	37.2	26.0	39.0

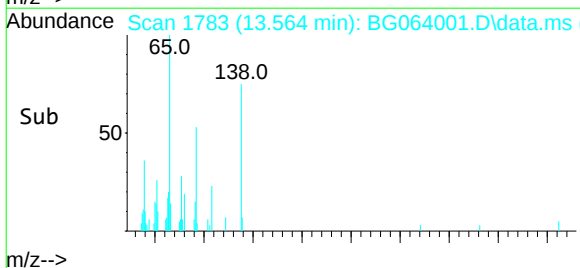
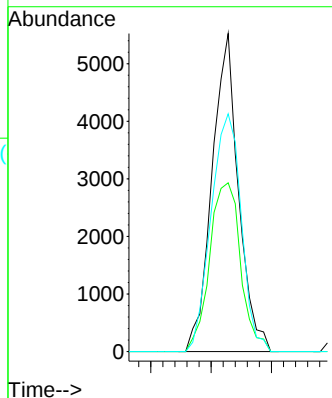
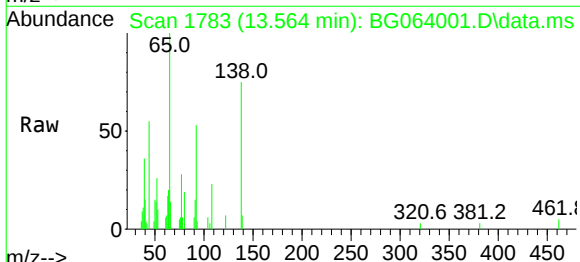
Manual Integrations
APPROVED

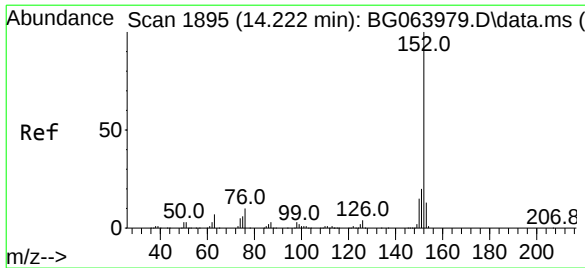
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#48
2-Nitroaniline
Concen: 8.060 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:	65	Resp:	8424
Ion Ratio	Lower	Upper	
65	100		
92	53.1	47.6	71.4
138	74.8	70.6	106.0





#49

Acenaphthylene

Concen: 4.221 ng

RT: 14.210 min Scan# 18

Delta R.T. -0.011 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

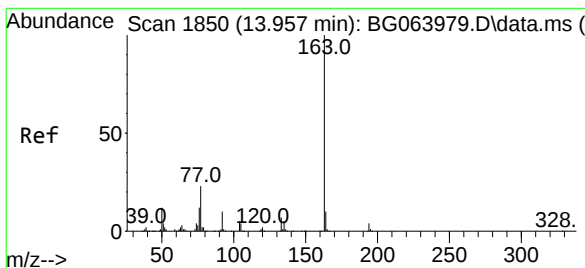
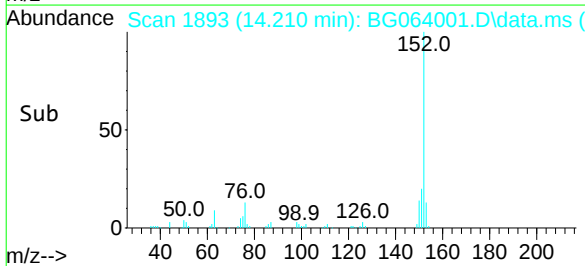
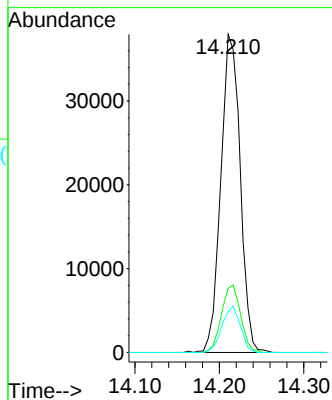
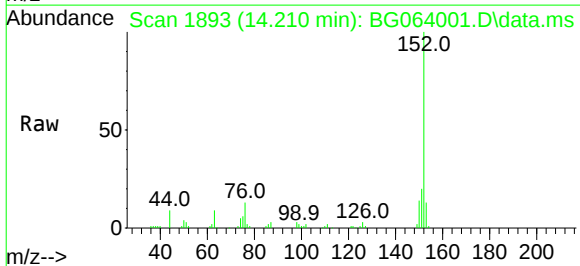
Tgt Ion:	152	Resp:	60534
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.9	23.9
153	12.8	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 4.139 ng

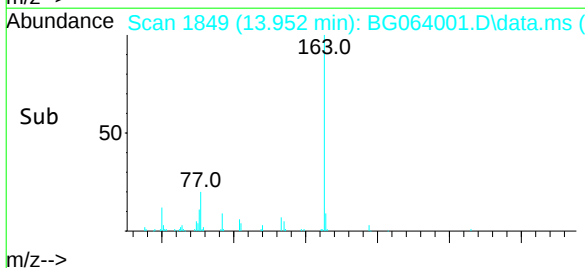
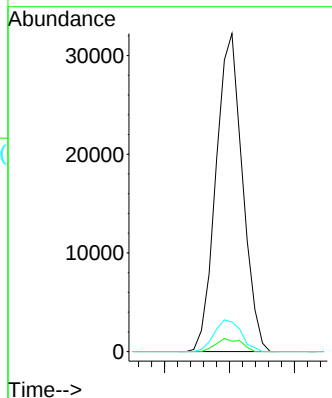
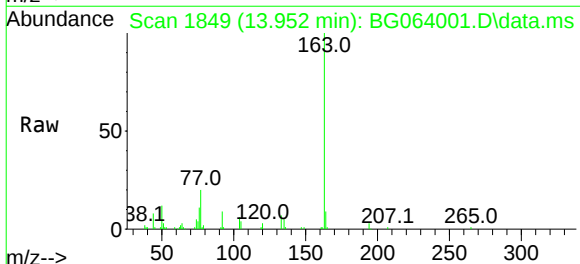
RT: 13.952 min Scan# 1849

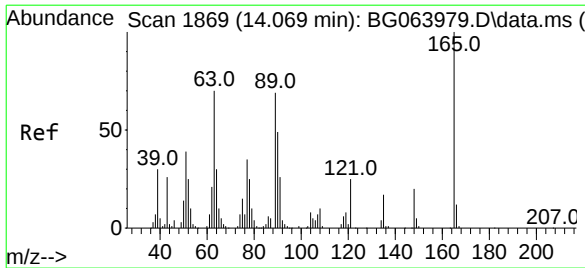
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt Ion:	163	Resp:	45664
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.0	4.4
164	9.3	8.0	12.0





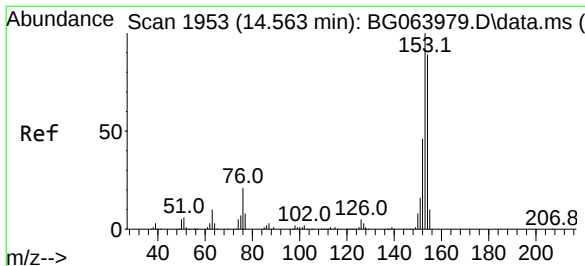
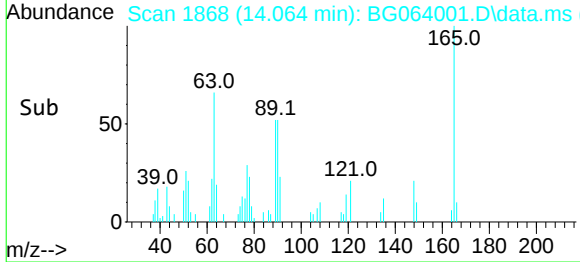
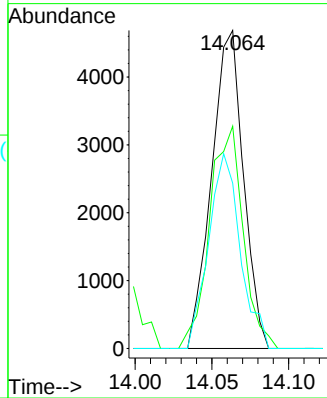
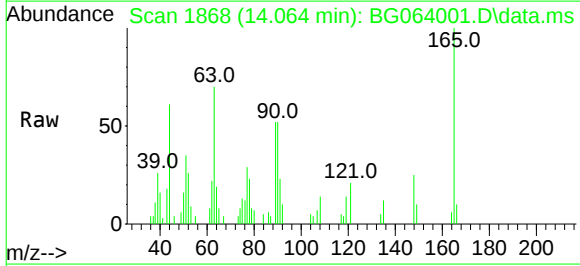
#51
2,6-Dinitrotoluene
Concen: 7.773 ng
RT: 14.064 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:165 Resp: 6758
Ion Ratio Lower Upper
165 100
63 69.9 57.7 86.5
89 52.0 55.6 83.4#

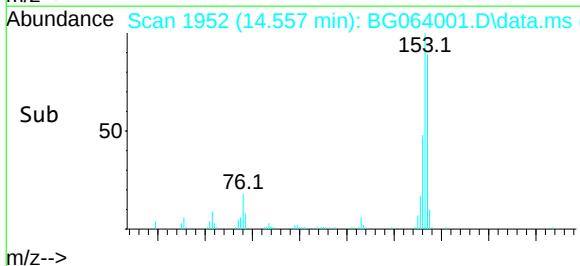
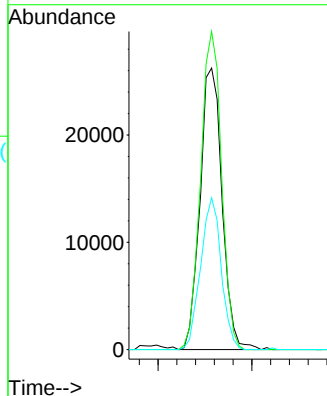
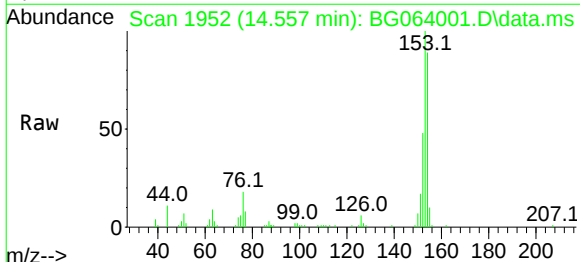
Manual Integrations
APPROVED

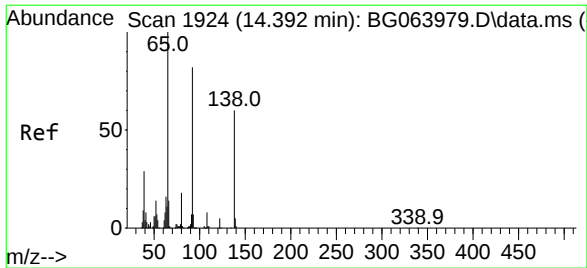
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 4.459 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:154 Resp: 42896
Ion Ratio Lower Upper
154 100
153 113.0 90.2 135.2
152 53.9 41.1 61.7





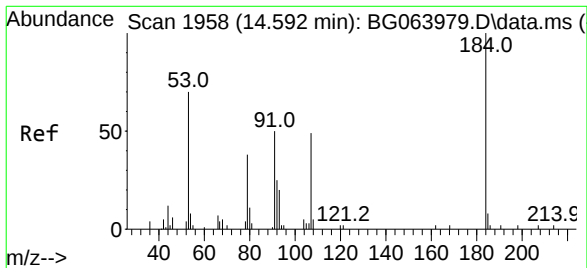
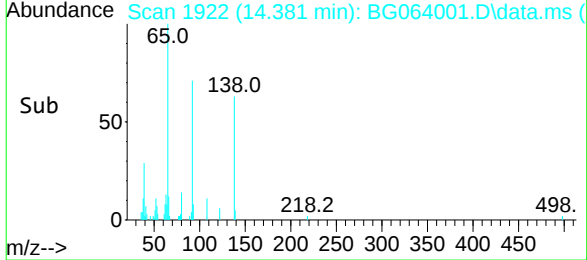
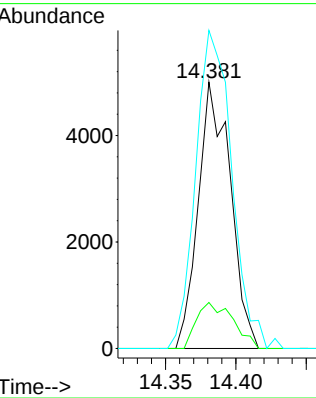
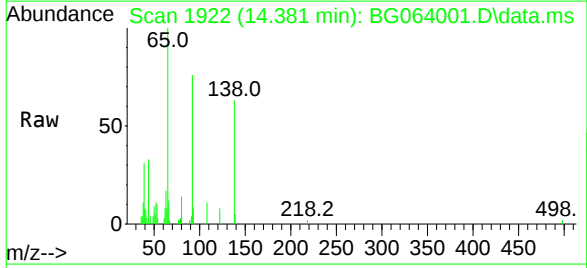
#53
3-Nitroaniline
Concen: 8.210 ng
RT: 14.381 min Scan# 1924
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:138 Resp: 7913
Ion Ratio Lower Upper
138 100
108 17.3 10.3 15.5#
92 119.4 109.0 163.4

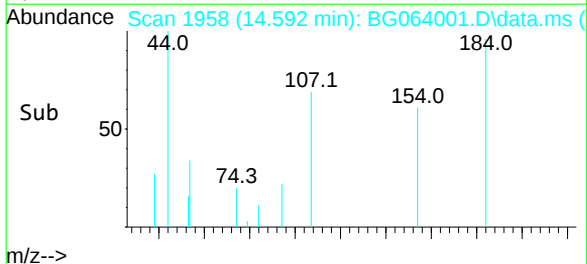
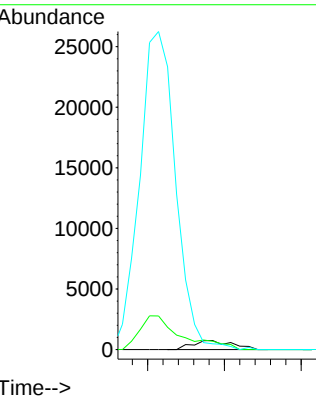
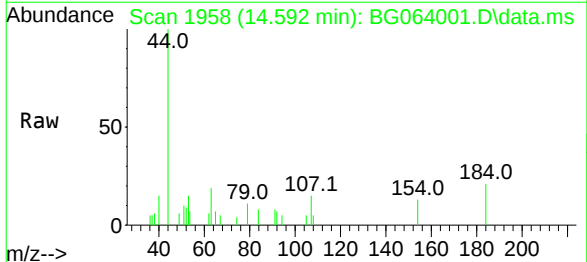
Manual Integrations
APPROVED

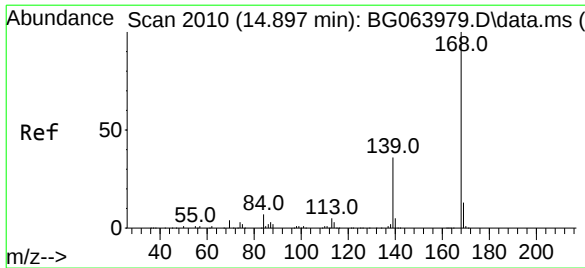
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 6.457 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

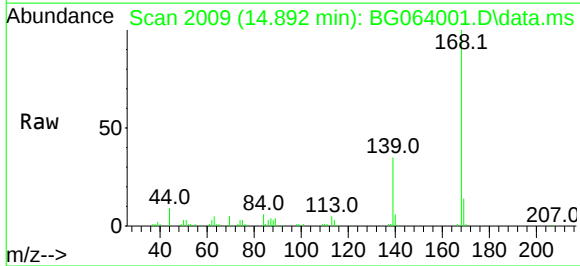
Tgt Ion:184 Resp: 1348
Ion Ratio Lower Upper
184 100
63 91.9 67.3 100.9
154 63.5 65.9 98.9#





#55
Dibenzenofuran
Concen: 4.092 ng
RT: 14.892 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

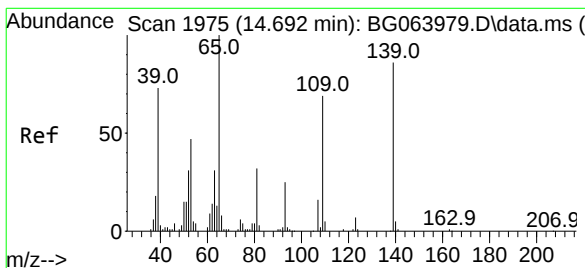
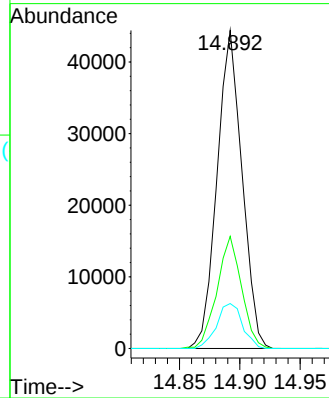
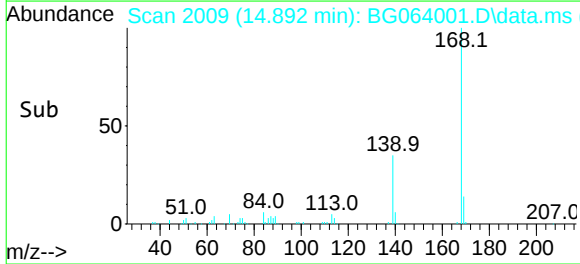
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:168 Resp: 63924
Ion Ratio Lower Upper
168 100
139 35.2 28.6 43.0
169 14.1 10.6 16.0

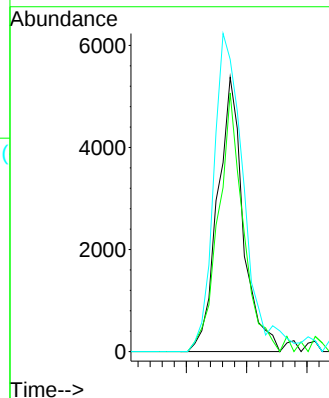
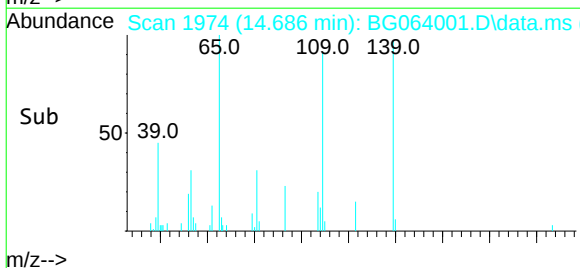
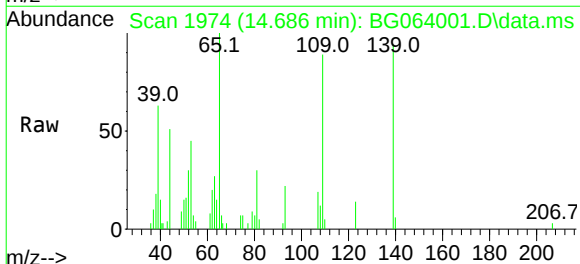
Manual Integrations
APPROVED

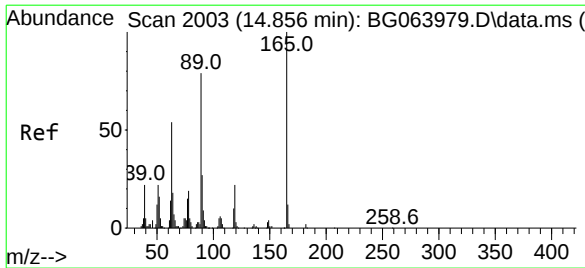
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 11.751 ng
RT: 14.686 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

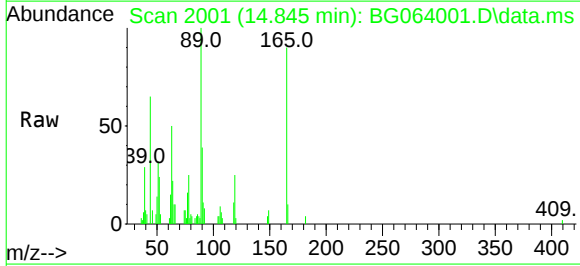
Tgt Ion:139 Resp: 7910
Ion Ratio Lower Upper
139 100
109 94.3 60.1 100.1
65 106.5 96.2 136.2





#57
2,4-Dinitrotoluene
Concen: 8.485 ng
RT: 14.845 min Scan# 2003
Delta R.T. -0.011 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

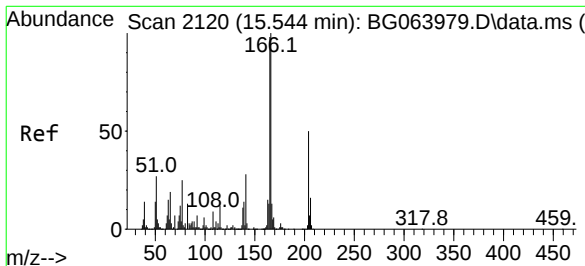
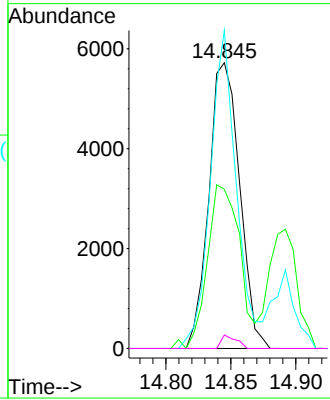
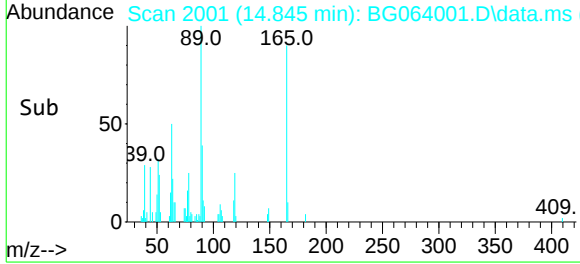
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:165 Resp: 9425
Ion Ratio Lower Upper
165 100
63 55.7 43.6 65.4
89 111.3 63.1 94.7#
182 4.7 1.4 2.0#

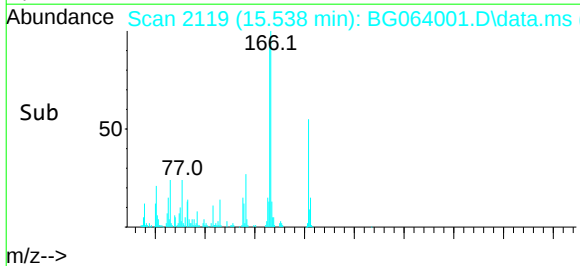
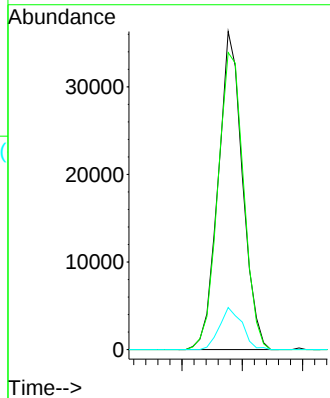
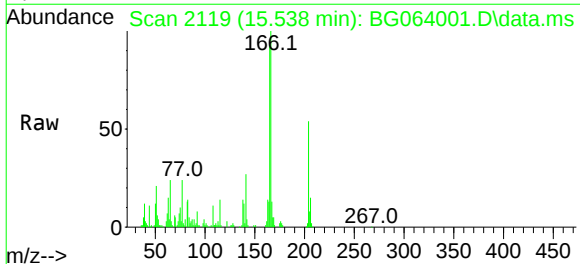
Manual Integrations
APPROVED

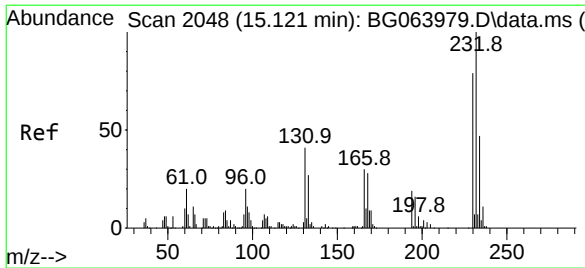
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 4.220 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

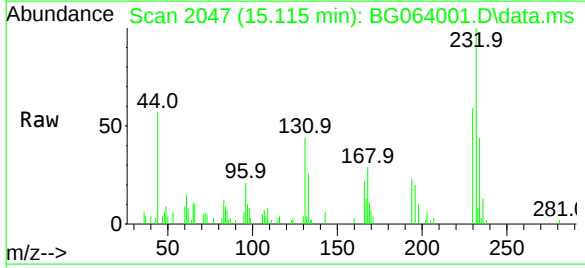
Tgt Ion:166 Resp: 50959
Ion Ratio Lower Upper
166 100
165 93.4 78.7 118.1
167 13.2 10.1 15.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.356 ng
RT: 15.115 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

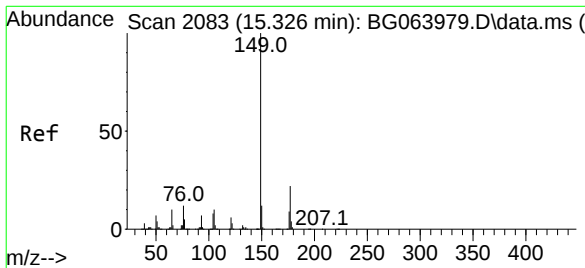
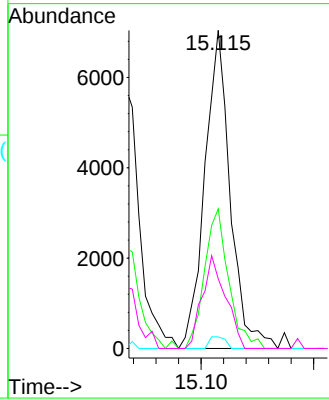
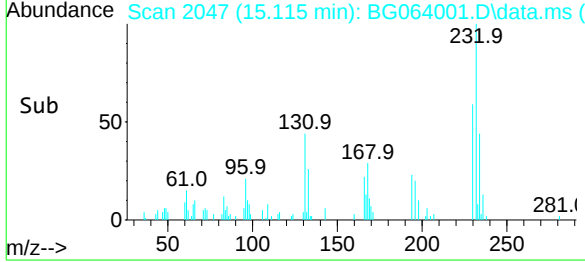
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:232 Resp: 11051
Ion Ratio Lower Upper
232 100
131 41.8 34.0 51.0
130 2.3 2.2 3.4
166 26.8 24.1 36.1

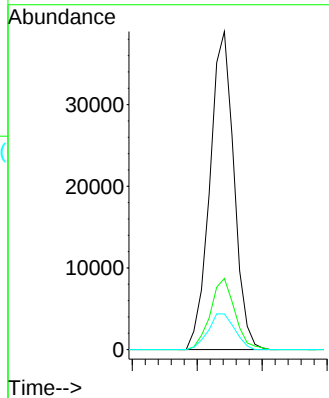
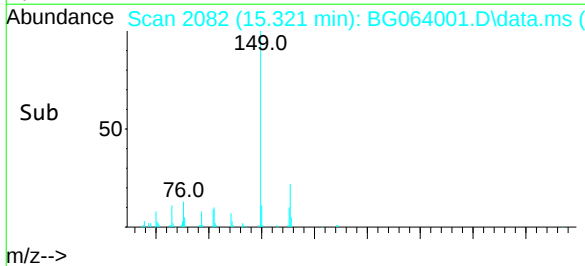
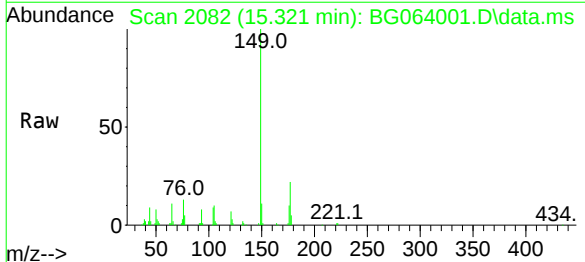
Manual Integrations
APPROVED

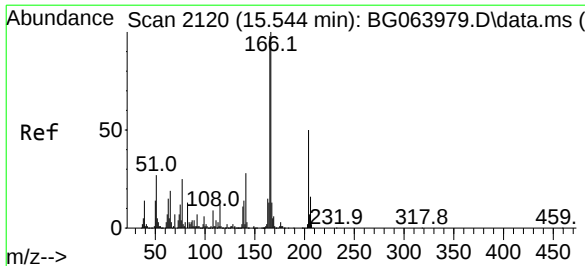
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 4.289 ng
RT: 15.321 min Scan# 2082
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:149 Resp: 50171
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 11.2 9.7 14.5





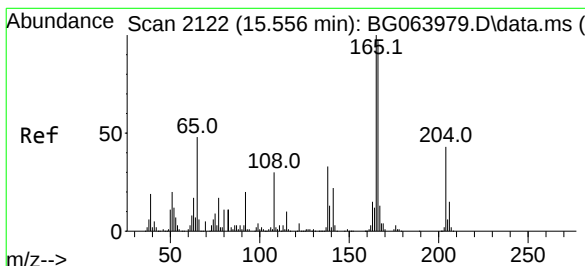
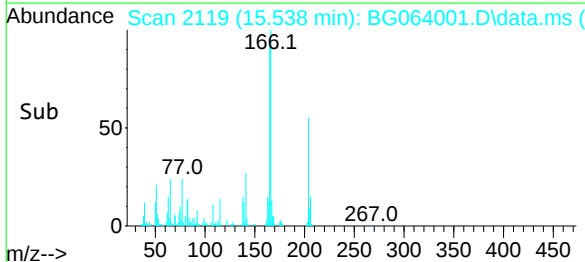
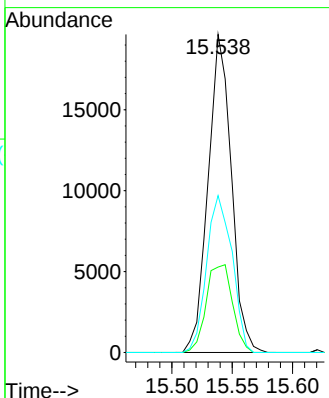
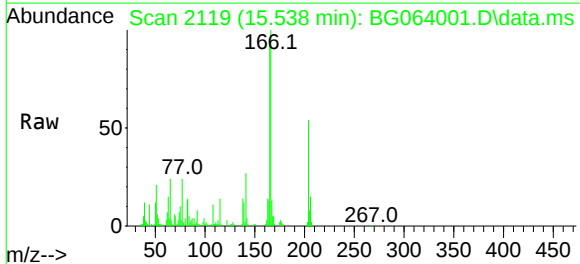
#61
4-Chlorophenyl-phenylether
Concen: 4.352 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion	Ratio	Lower	Upper
204	100		
206	26.8	25.8	38.6
141	49.3	44.6	67.0

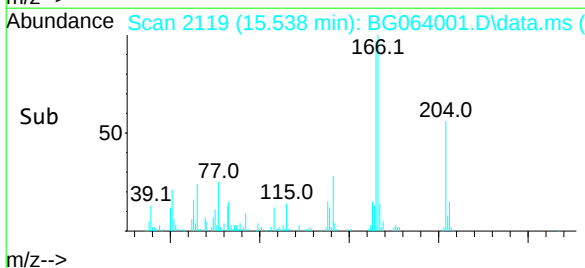
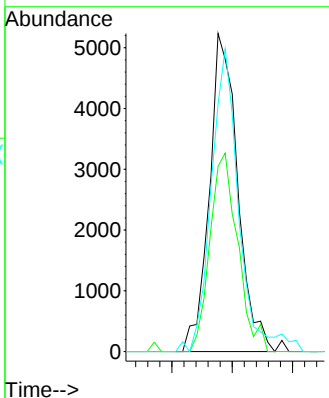
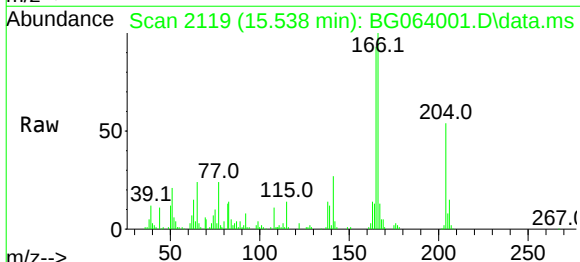
Manual Integrations
APPROVED

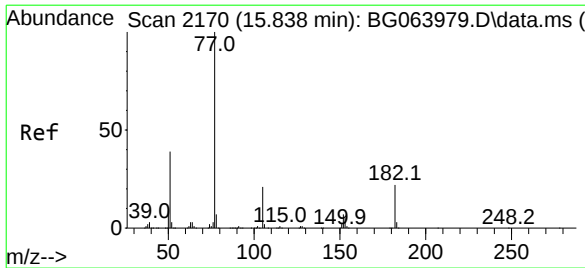
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 6.934 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.2	40.3	80.3
108	77.8	69.3	109.3





#63

Azobenzene

Concen: 3.889 ng

RT: 15.832 min Scan# 2170

Delta R.T. -0.005 min

Lab File: BG064001.D

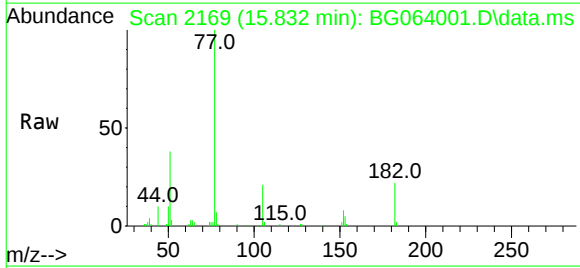
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 53729

Ion Ratio Lower Upper

77 100

182 21.6 2.3 42.3

105 20.6 1.0 41.0

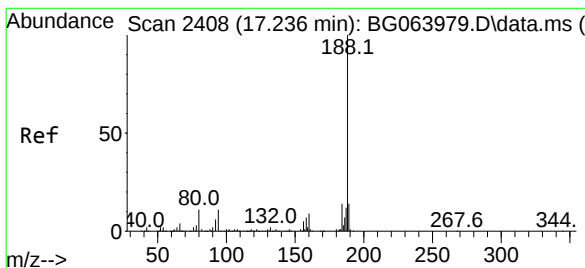
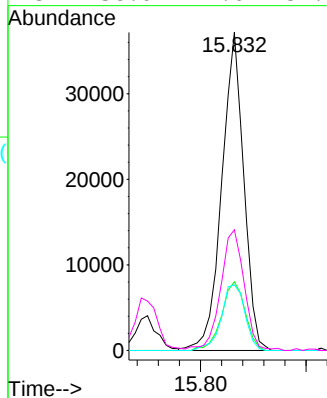
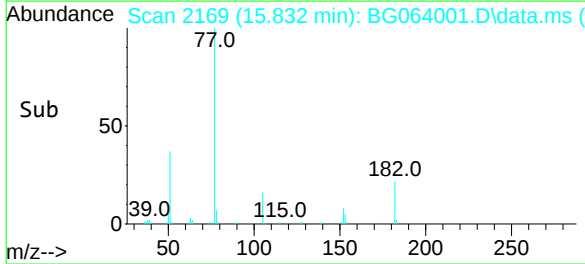
51 38.0 19.0 59.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.236 min Scan# 2408

Delta R.T. 0.000 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

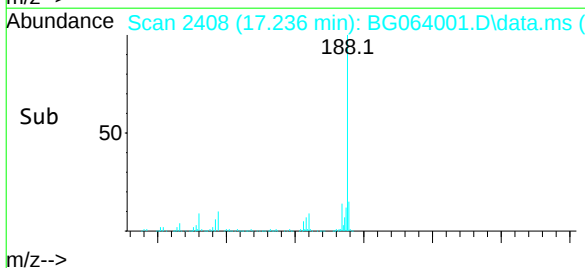
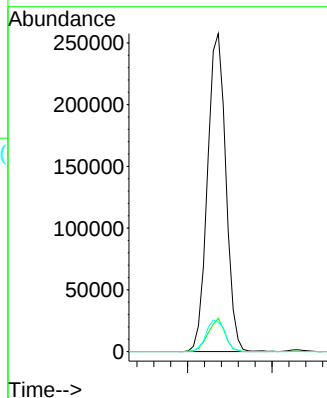
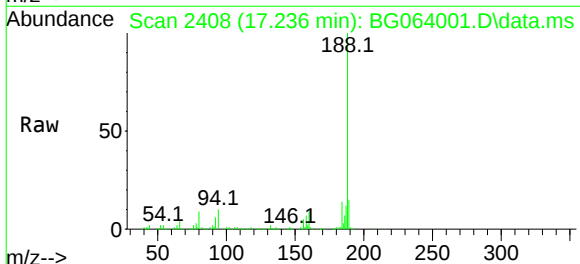
Tgt Ion:188 Resp: 388852

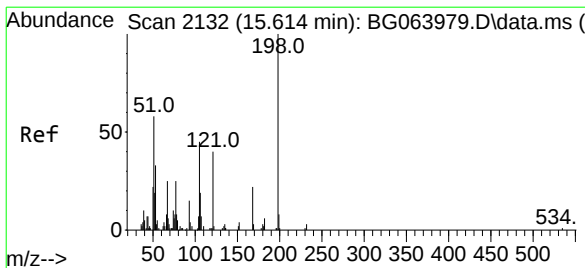
Ion Ratio Lower Upper

188 100

94 10.4 8.6 13.0

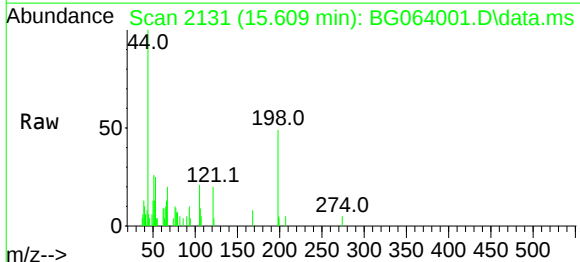
80 9.3 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 6.793 ng
RT: 15.609 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

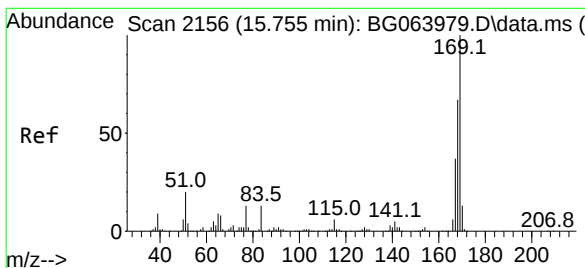
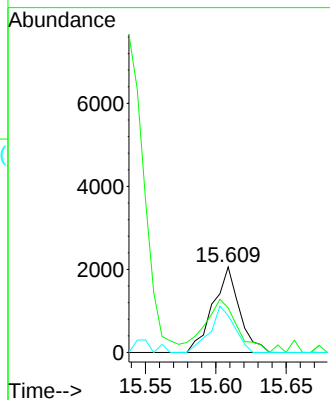
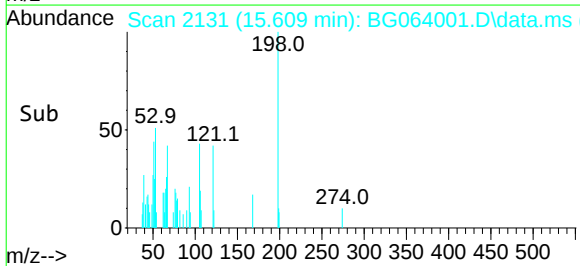
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



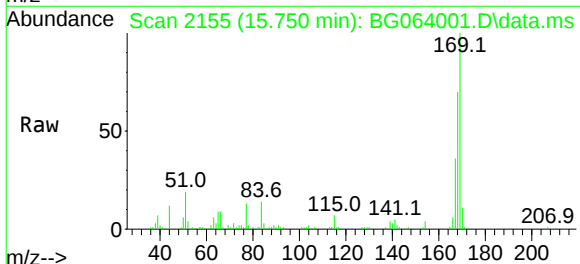
Tgt Ion:198 Resp: 2696
Ion Ratio Lower Upper
198 100
51 52.2 45.4 85.4
105 43.1 27.7 67.7

Manual Integrations
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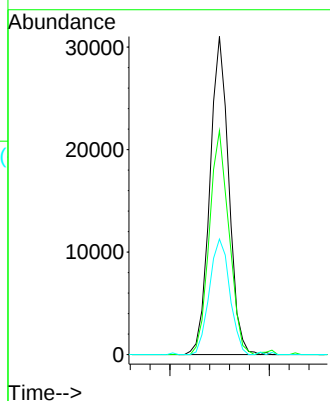
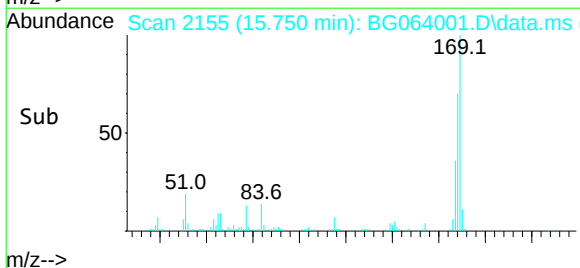
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

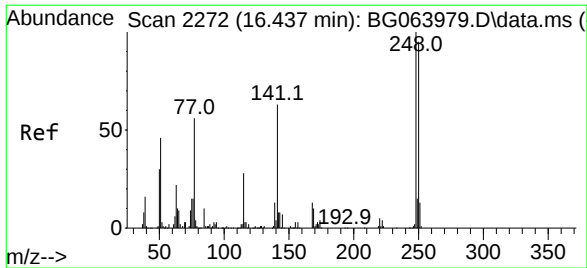


#66
n-Nitrosodiphenylamine
Concen: 3.820 ng
RT: 15.750 min Scan# 2155
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



Tgt Ion:169 Resp: 41180
Ion Ratio Lower Upper
169 100
168 70.4 53.5 80.3
167 36.3 30.0 45.0





#67

4-Bromophenyl-phenylether

Concen: 4.200 ng

RT: 16.431 min Scan# 2272

Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

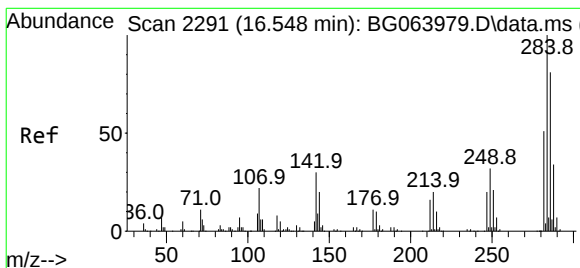
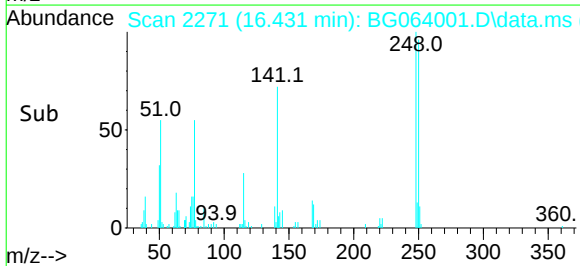
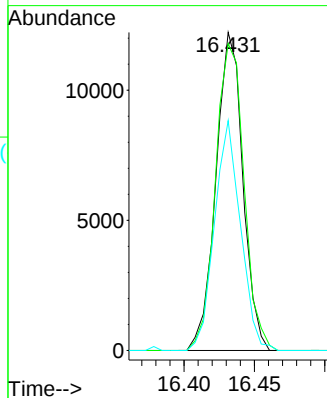
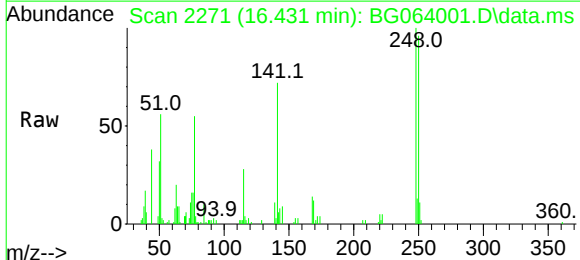
Tgt Ion:	248	Resp:	16256
Ion Ratio	Lower	Upper	
248	100		
250	96.5	76.2	114.4
141	72.3	50.6	75.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#68

Hexachlorobenzene

Concen: 4.251 ng

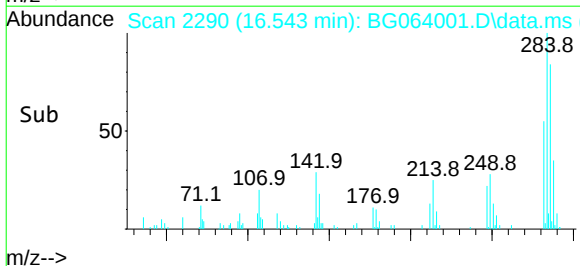
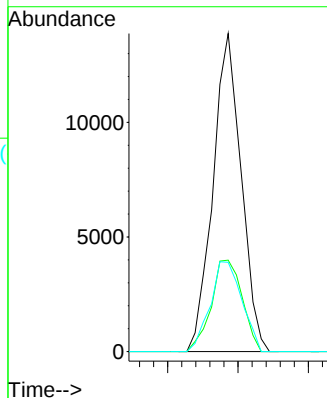
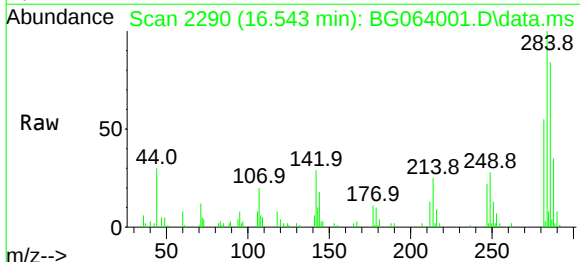
RT: 16.543 min Scan# 2290

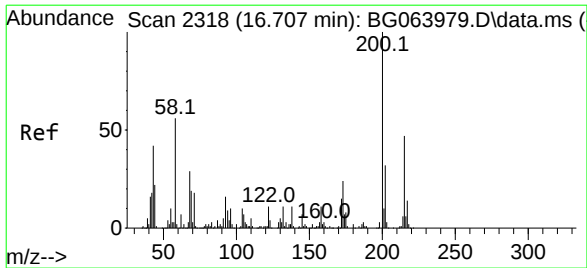
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt Ion:	284	Resp:	19344
Ion Ratio	Lower	Upper	
284	100		
142	28.8	23.8	35.8
249	30.1	25.9	38.9





#69

Atrazine

Concen: 4.320 ng

RT: 16.696 min Scan# 2318

Delta R.T. -0.011 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

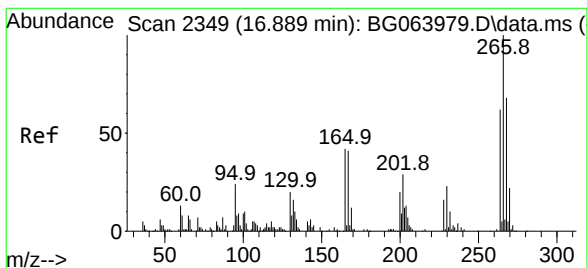
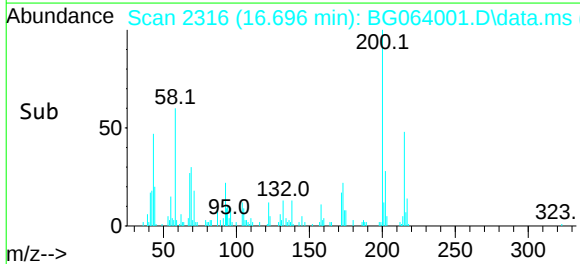
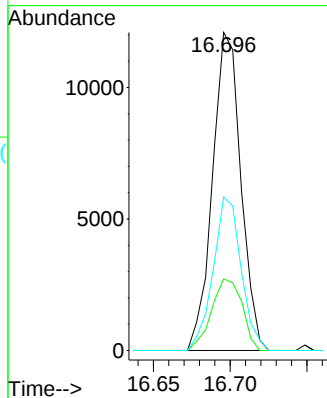
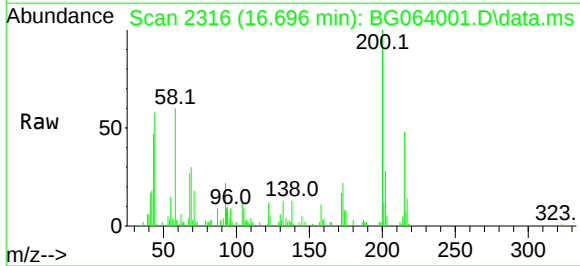
Tgt Ion:	200	Resp:	15501
Ion Ratio	Lower	Upper	
200	100		
173	22.5	3.8	43.8
215	48.2	26.6	66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 11.619 ng

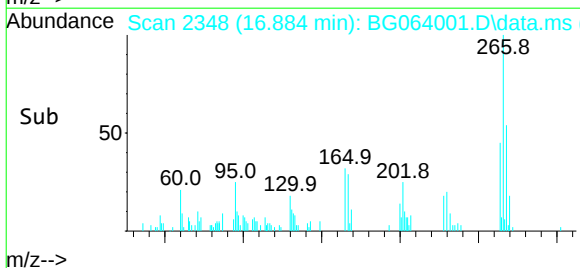
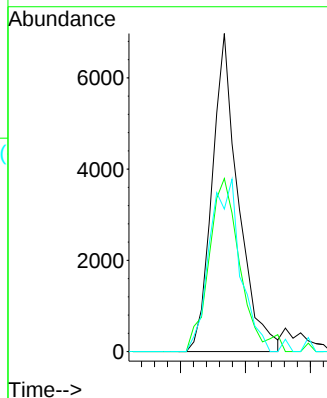
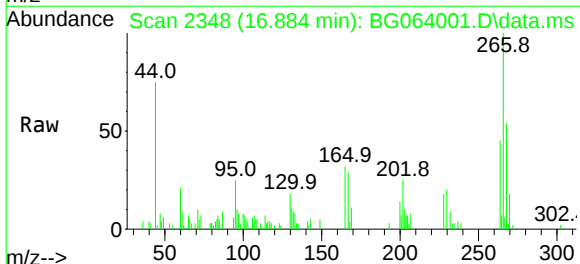
RT: 16.884 min Scan# 2348

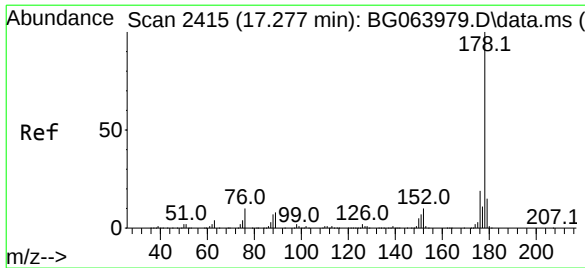
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

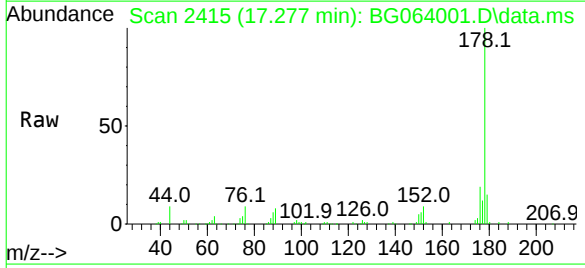
Tgt Ion:	266	Resp:	9770
Ion Ratio	Lower	Upper	
266	100		
268	54.4	54.8	82.2#
264	51.8	50.0	75.0





#71
Phenanthrene
Concen: 4.306 ng
RT: 17.277 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

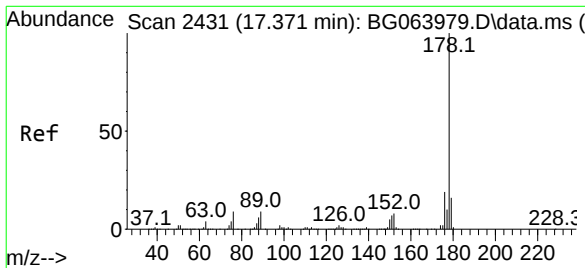
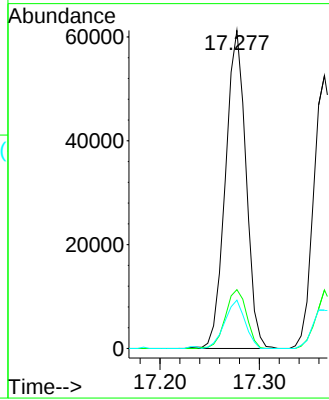
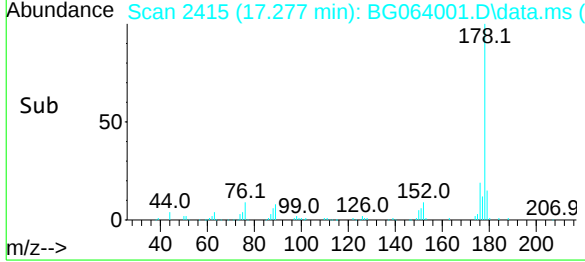
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



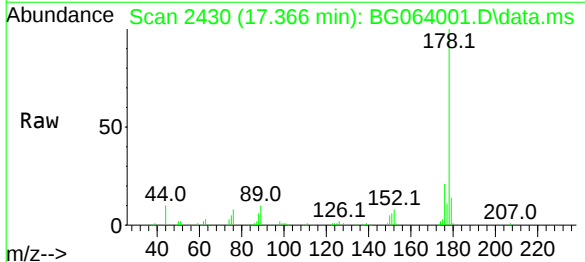
Tgt Ion:178 Resp: 87945
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.2 18.4

Manual Integrations
APPROVED

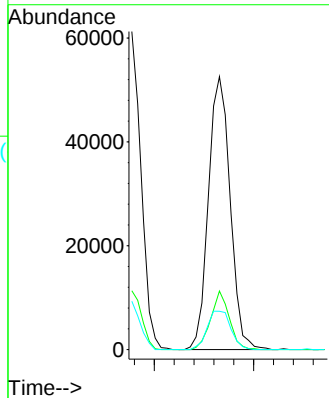
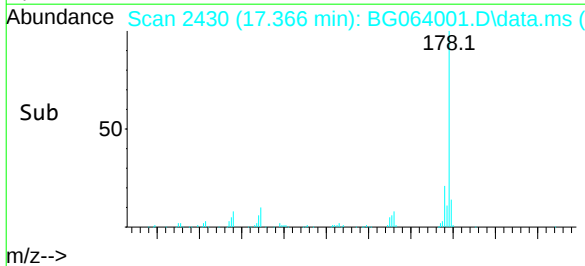
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

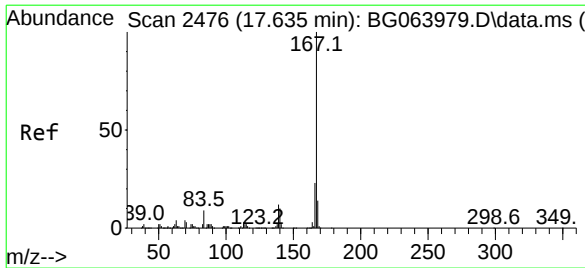


#72
Anthracene
Concen: 3.909 ng
RT: 17.366 min Scan# 2430
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37



Tgt Ion:178 Resp: 79888
Ion Ratio Lower Upper
178 100
176 21.5 15.0 22.4
179 14.0 12.8 19.2





#73

Carbazole

Concen: 4.137 ng

RT: 17.630 min Scan# 2476

Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

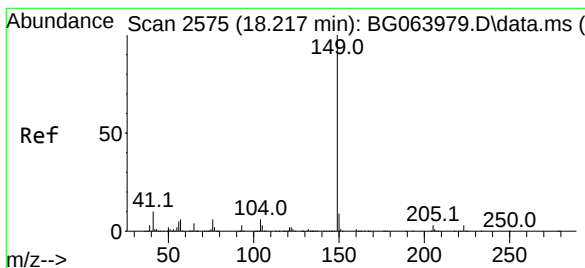
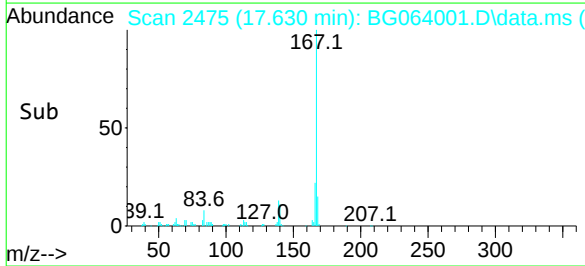
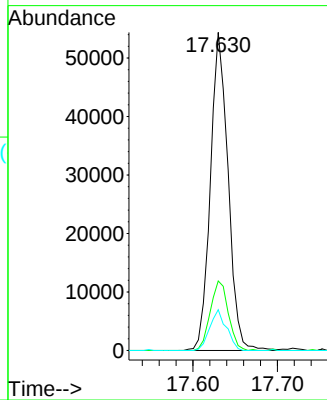
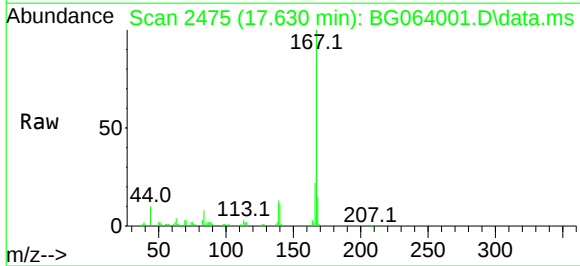
Tgt Ion:	167	Resp:	79146
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.6	28.0
139	12.8	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#74

Di-n-butylphthalate

Concen: 4.399 ng

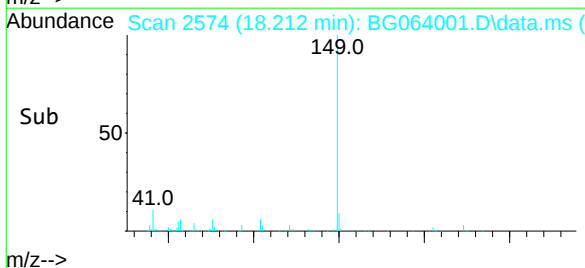
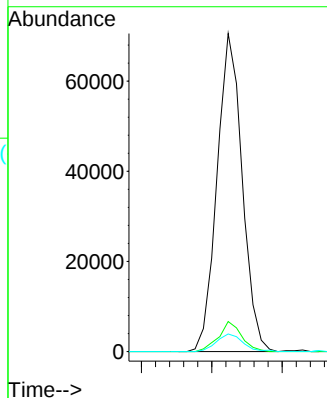
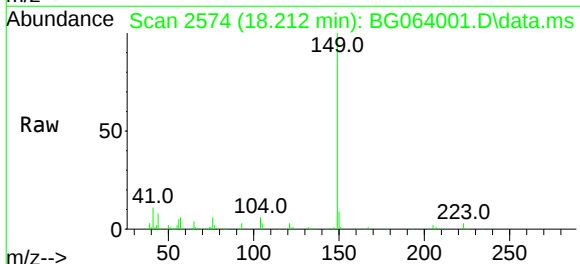
RT: 18.212 min Scan# 2574

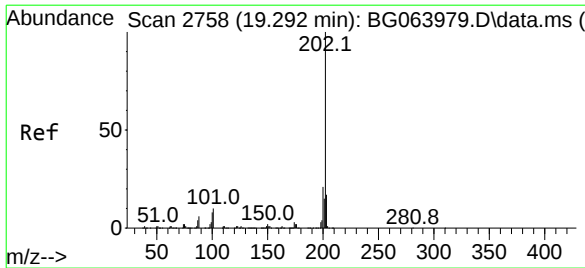
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

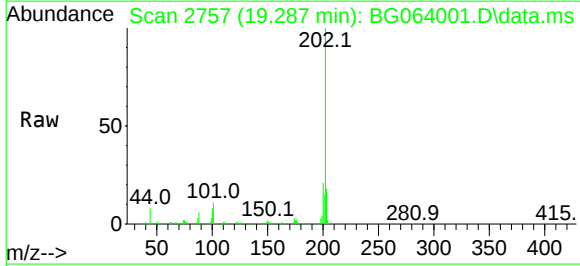
Tgt Ion:	149	Resp:	87713
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.4	11.0
104	5.5	4.6	6.8





#75
 Fluoranthene
 Concen: 4.128 ng
 RT: 19.287 min Scan# 2757
 Delta R.T. -0.005 min
 Lab File: BG064001.D
 Acq: 5 Feb 2025 16:37

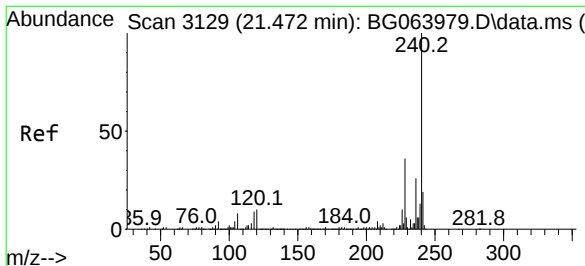
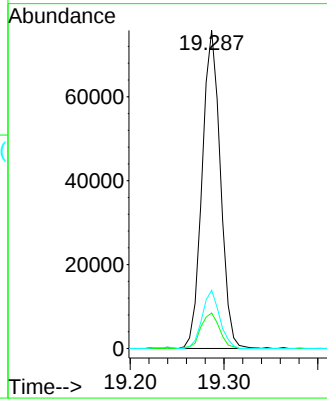
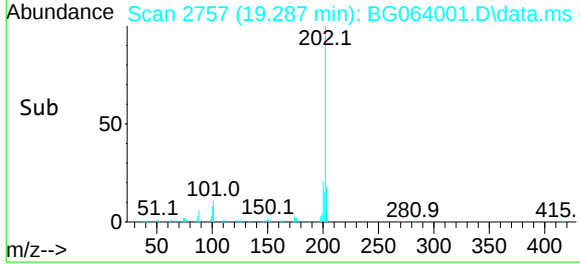
Instrument : BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	202	Resp:	102670
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	30.4
203	18.3	0.0	37.0

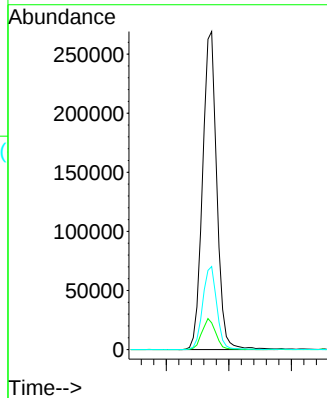
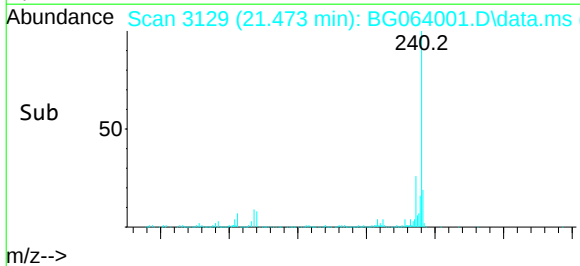
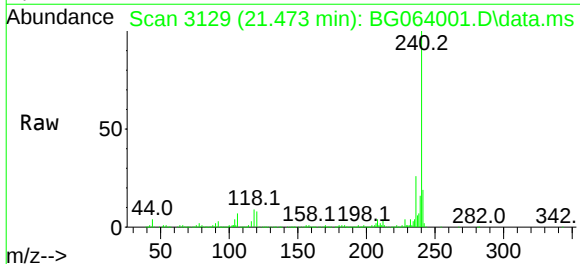
Manual Integrations
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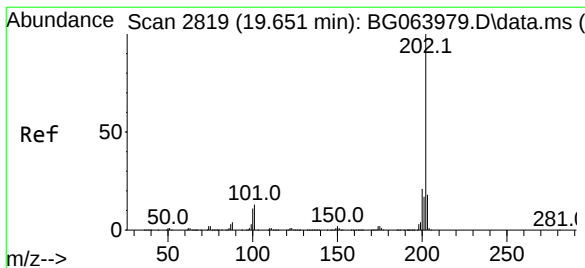
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.473 min Scan# 3129
 Delta R.T. 0.000 min
 Lab File: BG064001.D
 Acq: 5 Feb 2025 16:37

Tgt Ion:	240	Resp:	425199
Ion Ratio	Lower	Upper	
240	100		
120	8.4	7.9	11.9
236	26.1	21.0	31.6





#78

Pyrene

Concen: 4.997 ng

RT: 19.645 min Scan# 2819

Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:202 Resp: 131171

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

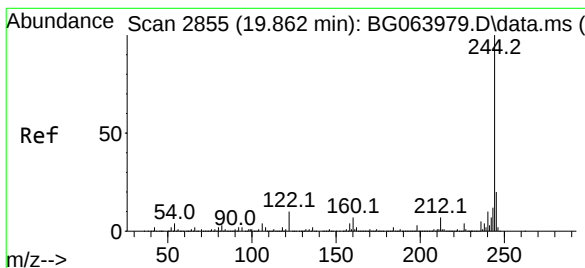
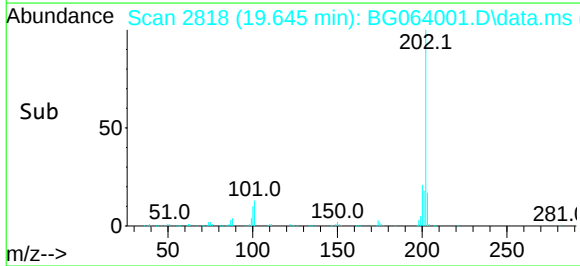
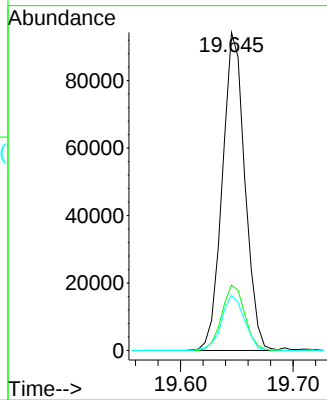
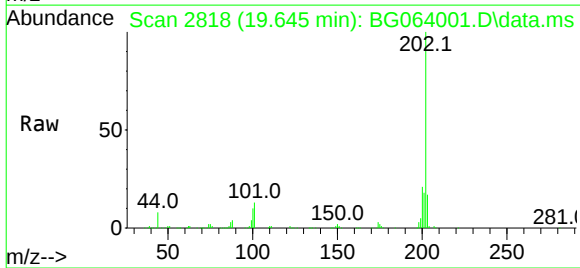
203 17.3 14.5 21.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#79

Terphenyl-d14

Concen: 84.762 ng

RT: 19.863 min Scan# 2855

Delta R.T. 0.000 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

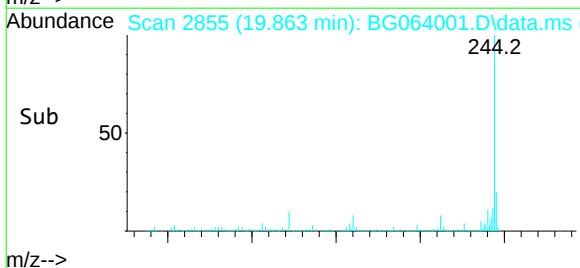
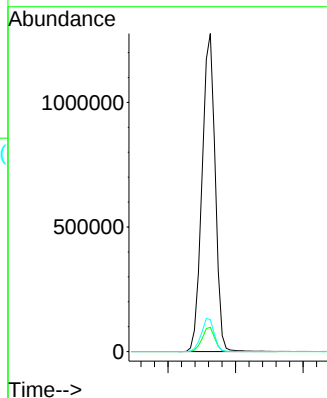
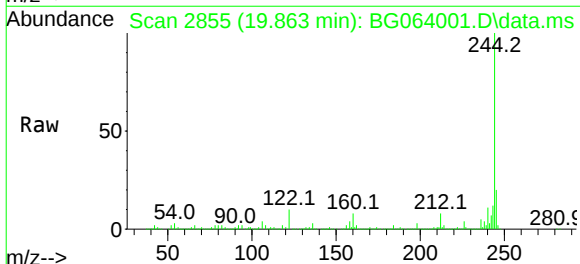
Tgt Ion:244 Resp: 1725709

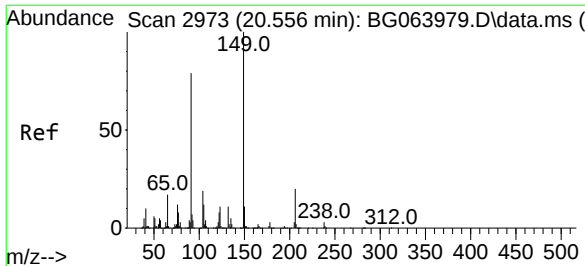
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 10.1 7.7 11.5





#80

Butylbenzylphthalate

Concen: 8.794 ng

RT: 20.556 min Scan# 29

Delta R.T. -0.000 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

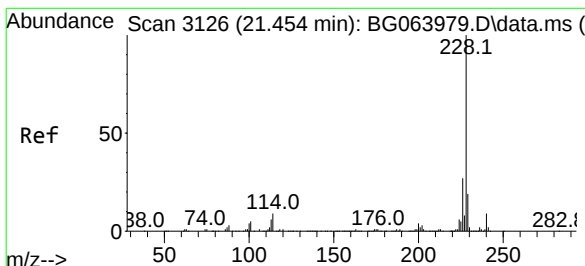
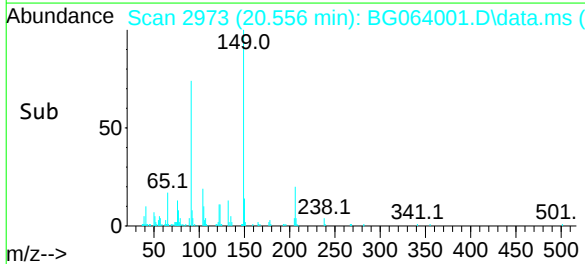
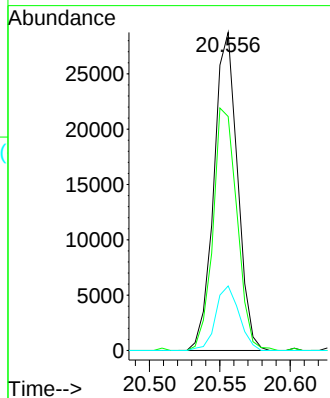
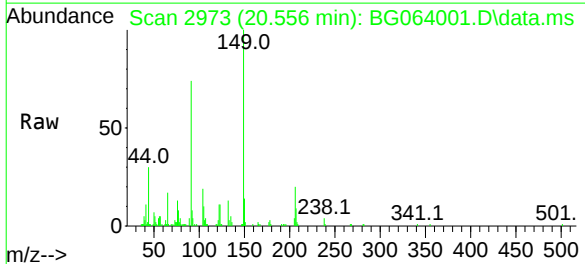
Tgt	Ion	149	Resp:	33565
Ion	Ratio	149	Lower	Upper
		100		
		91	73.6	63.0
		206	20.3	15.8
				23.6

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#81

Benzo(a)anthracene

Concen: 4.348 ng

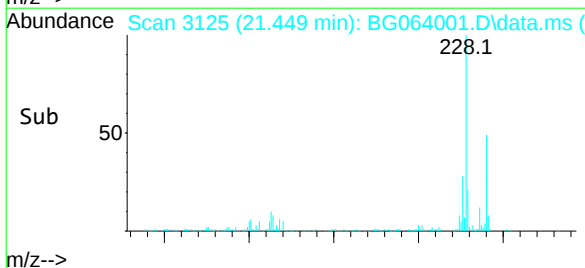
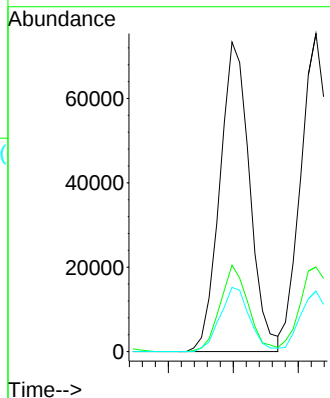
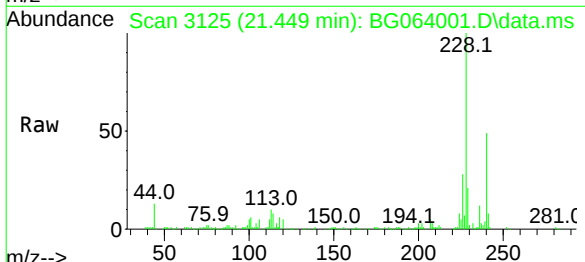
RT: 21.449 min Scan# 3125

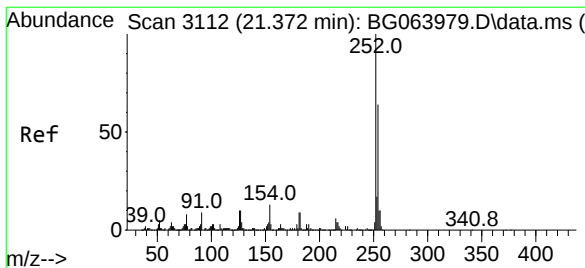
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt	Ion	228	Resp:	117388
Ion	Ratio	228	Lower	Upper
		100		
		226	27.9	21.8
		229	20.8	15.5
				23.3





#82

3,3'-Dichlorobenzidine

Concen: 4.024 ng

RT: 21.373 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

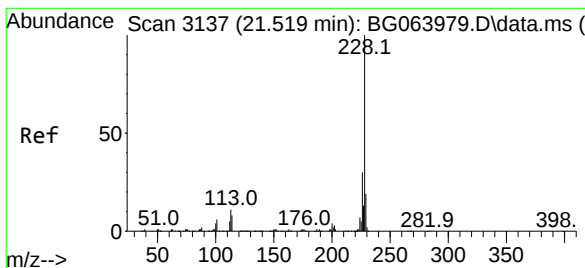
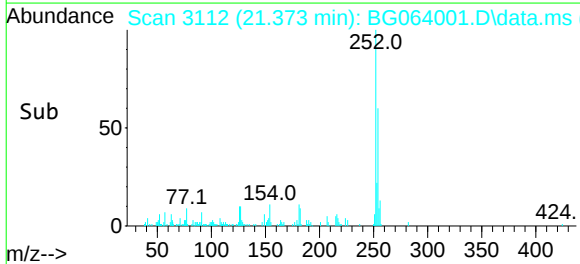
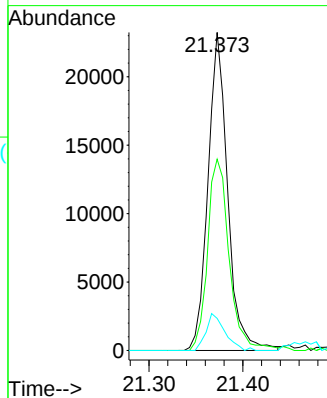
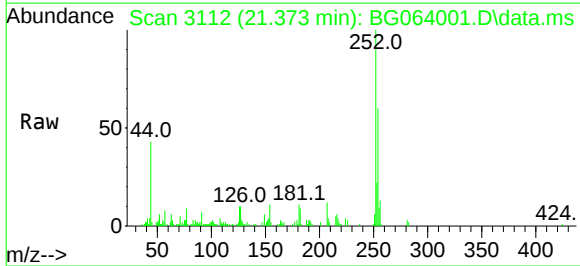
Tgt Ion:	252	Resp:	33832
Ion Ratio	Lower	Upper	
252	100		
254	60.1	50.8	76.2
126	10.1	8.2	12.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#83

Chrysene

Concen: 4.330 ng

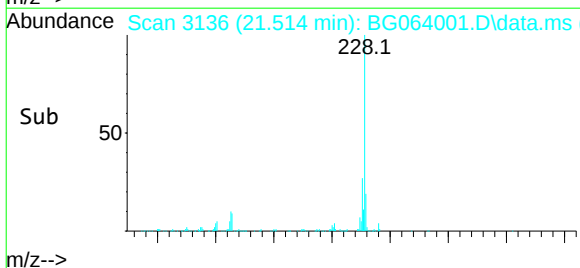
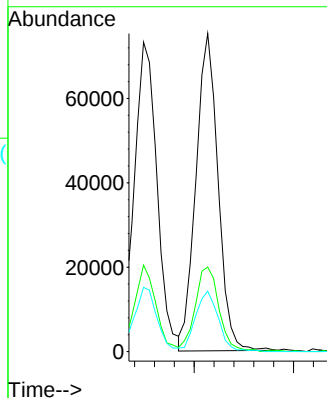
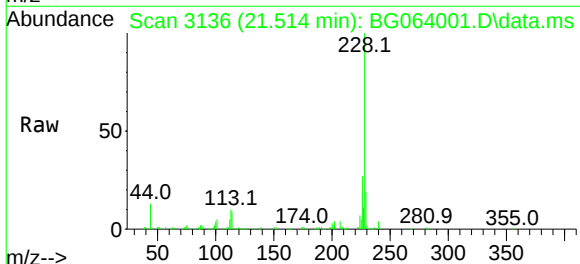
RT: 21.514 min Scan# 3136

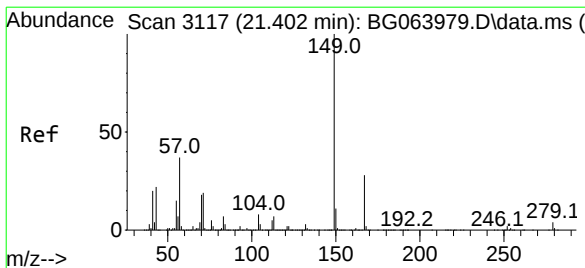
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

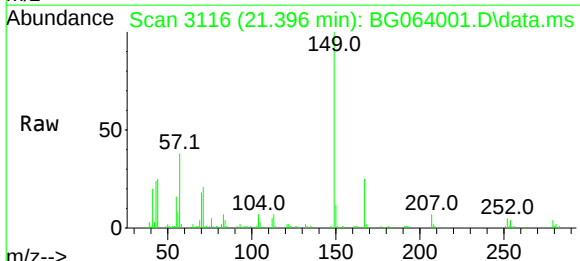
Tgt Ion:	228	Resp:	116340
Ion Ratio	Lower	Upper	
228	100		
226	26.6	24.2	36.2
229	19.0	15.4	23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.043 ng
RT: 21.396 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

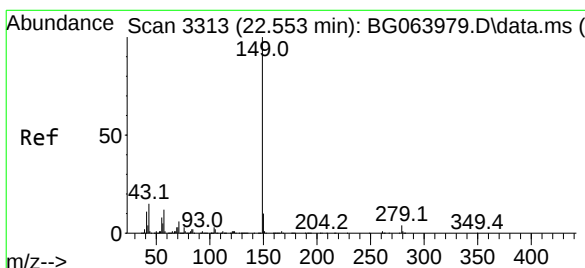
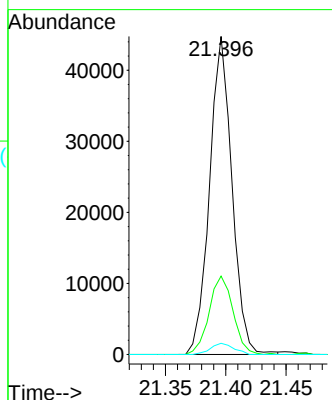
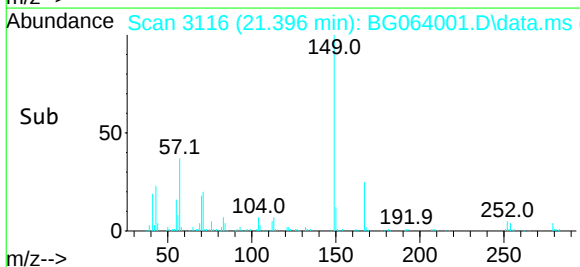
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:149 Resp: 57948
Ion Ratio Lower Upper
149 100
167 24.6 22.5 33.7
279 3.5 3.0 4.4

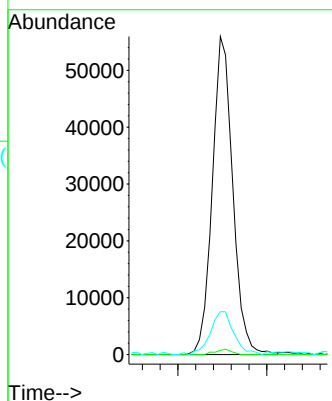
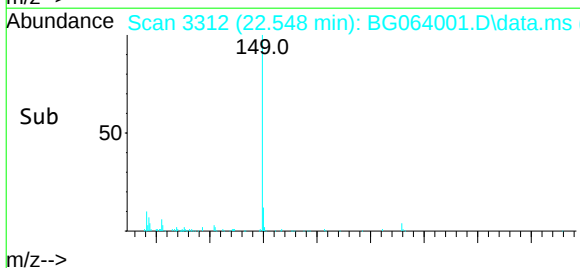
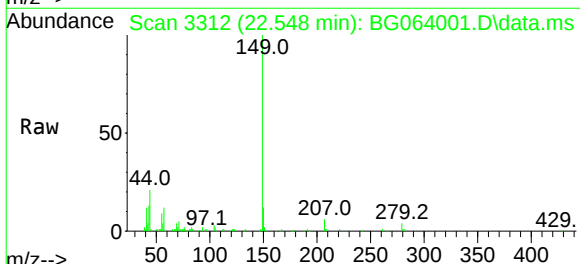
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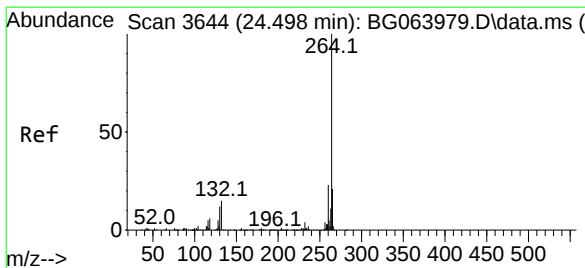
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#85
Di-n-octyl phthalate
Concen: 10.122 ng
RT: 22.548 min Scan# 3312
Delta R.T. -0.005 min
Lab File: BG064001.D
Acq: 5 Feb 2025 16:37

Tgt Ion:149 Resp: 89441
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 15.6 12.3 18.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.498 min Scan# 36

Delta R.T. 0.000 min

Lab File: BG064001.D

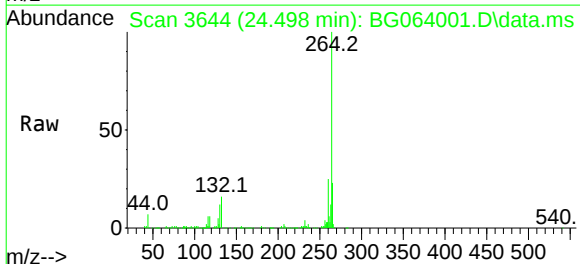
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

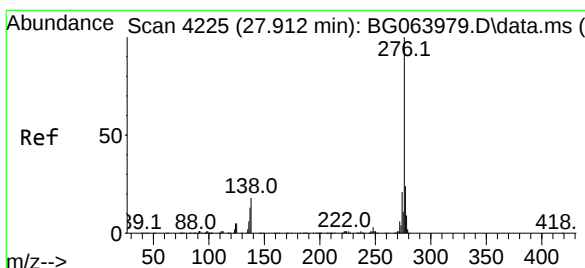
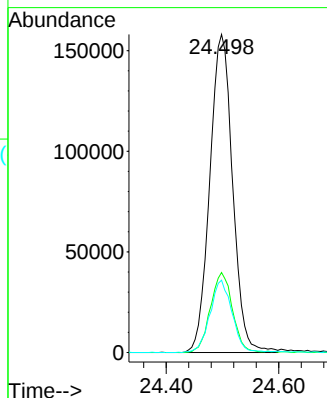
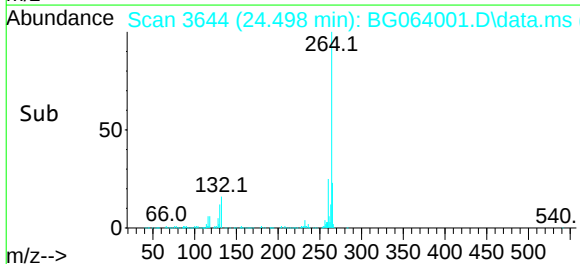
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	264	Resp:	444927
Ion Ratio	Lower	Upper	
264	100		
260	25.2	18.7	28.1
265	22.7	16.6	24.8

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.331 ng

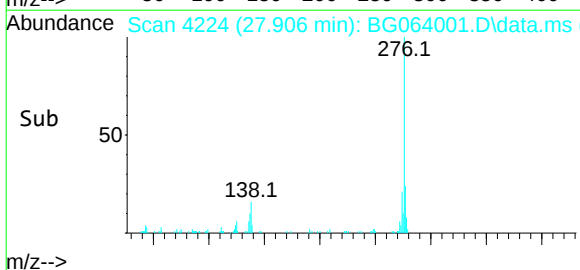
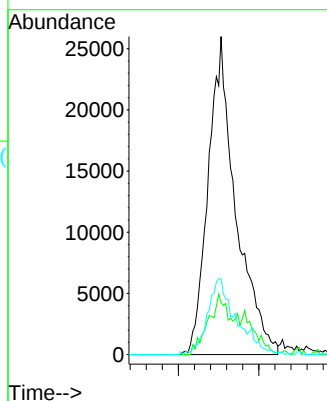
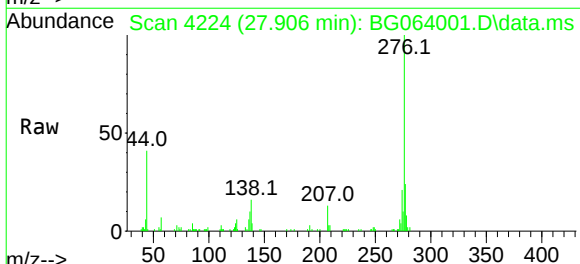
RT: 27.906 min Scan# 4224

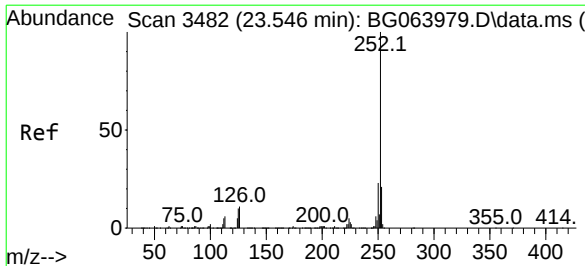
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt Ion:	276	Resp:	124313
Ion Ratio	Lower	Upper	
276	100		
138	13.9	10.7	16.1
277	24.9	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 4.265 ng

RT: 23.541 min Scan# 3482

Delta R.T. -0.005 min

Lab File: BG064001.D

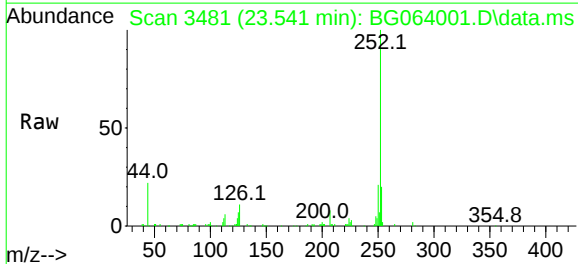
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



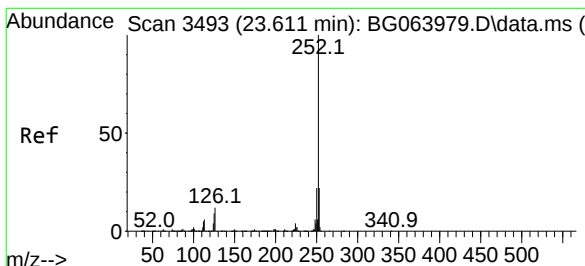
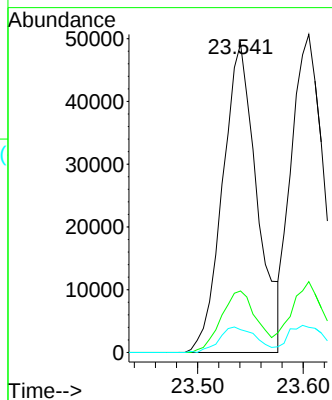
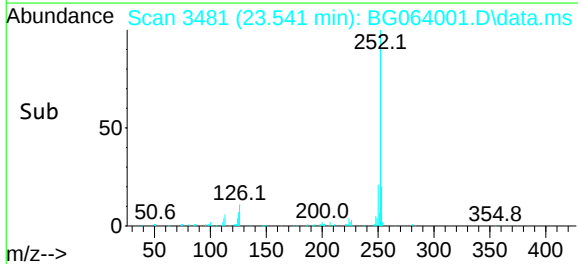
Tgt Ion:	252	Resp:	111729
Ion Ratio	Lower	Upper	
252	100		
253	19.9	16.9	25.3
125	7.4	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#89

Benzo(k)fluoranthene

Concen: 4.120 ng

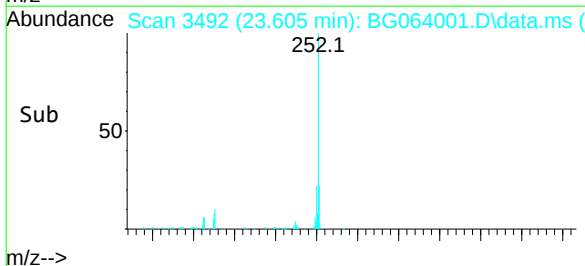
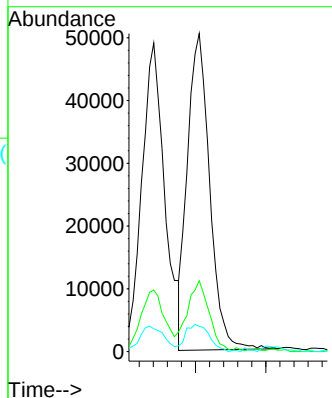
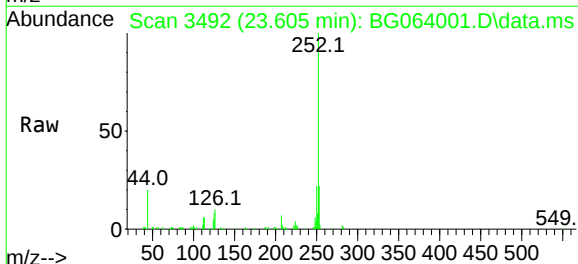
RT: 23.605 min Scan# 3492

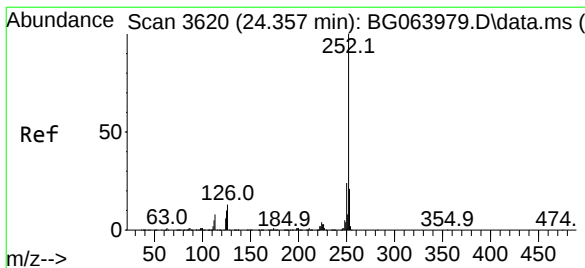
Delta R.T. -0.005 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

Tgt Ion:	252	Resp:	110824
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	7.9	7.5	11.3





#90

Benzo(a)pyrene

Concen: 4.349 ng

RT: 24.351 min Scan# 36

Delta R.T. -0.005 min

Lab File: BG064001.D

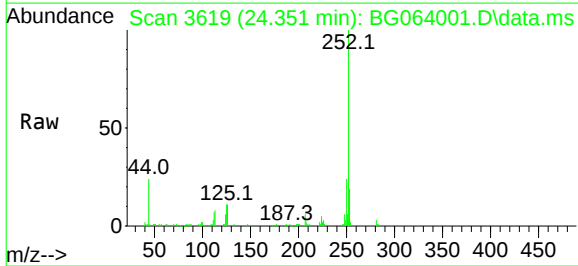
Acq: 5 Feb 2025 16:37

Instrument :

BNA_G

ClientSampleId :

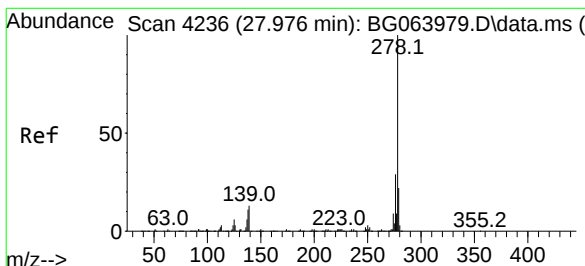
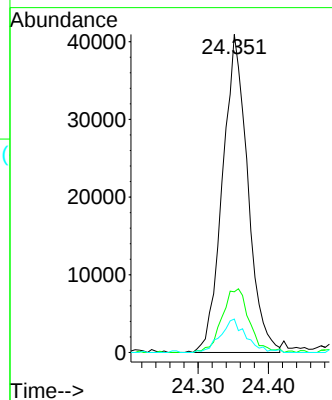
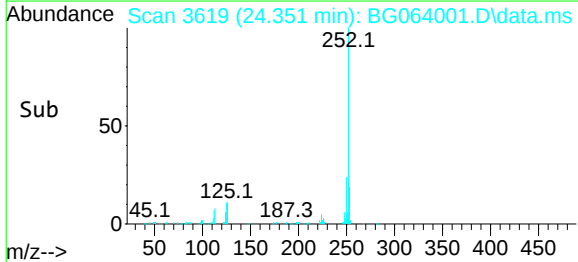
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	252	Resp:	101703
Ion	Ratio	Lower	Upper
252	100		
253	19.1	17.1	25.7
125	10.5	7.9	11.9

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#91

Dibenzo(a,h)anthracene

Concen: 4.234 ng

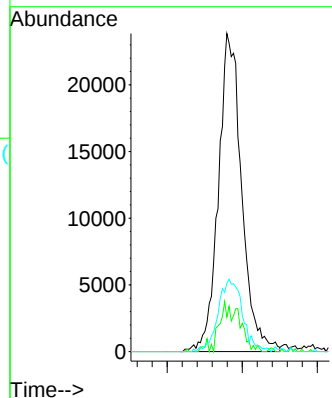
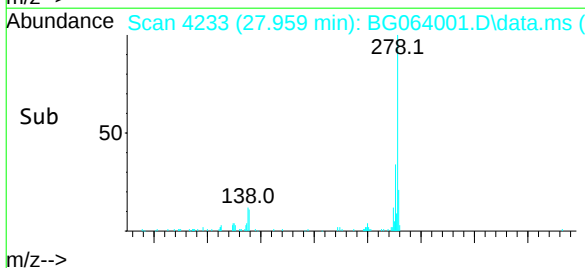
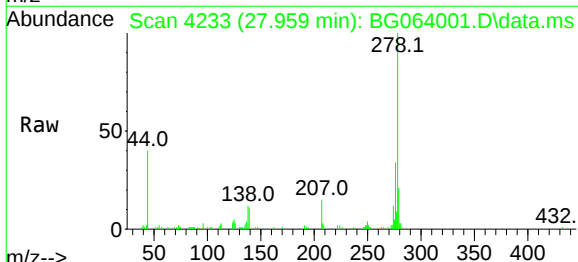
RT: 27.959 min Scan# 4233

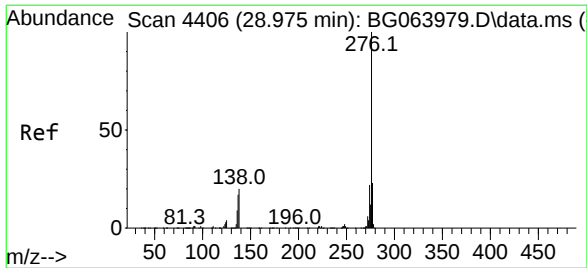
Delta R.T. -0.017 min

Lab File: BG064001.D

Acq: 5 Feb 2025 16:37

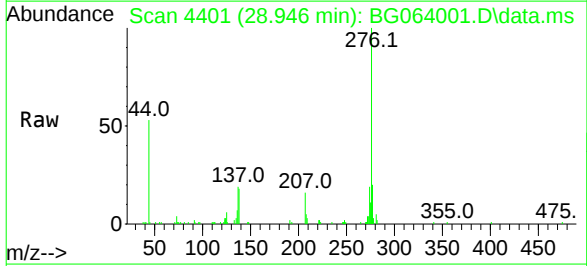
Tgt Ion:	278	Resp:	102624
Ion	Ratio	Lower	Upper
278	100		
139	10.8	10.8	16.2
279	21.5	17.8	26.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.050 ng
 RT: 28.946 min Scan# 44
 Delta R.T. -0.029 min
 Lab File: BG064001.D
 Acq: 5 Feb 2025 16:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt	Ion	276	Resp:	99101
Ion	Ratio	Lower	Upper	
276	100			
277	20.5	18.2	27.4	
138	17.8	15.8	23.6	

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

