

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG064002.D
 Acq On : 5 Feb 2025 17:14
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 05 18:08:27 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	7.870	152	70749	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	305764	20.000	ng	0.00
39) Acenaphthene-d10	14.497	164	207414	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	458251	20.000	ng	0.00
76) Chrysene-d12	21.472	240	485922	20.000	ng	0.00
86) Perylene-d12	24.498	264	506692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	544219	123.331	ng	0.00
7) Phenol-d6	7.036	99	795502	131.366	ng	0.00
23) Nitrobenzene-d5	9.022	82	535832	106.505	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	314830	131.215	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	1217258	89.917	ng	0.00
79) Terphenyl-d14	19.862	244	2074225	89.149	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	18547	8.850	ng	97
3) Pyridine	3.787	79	43829	7.745	ng	95
4) n-Nitrosodimethylamine	3.698	42	28068	8.626	ng	# 85
6) Aniline	7.200	93	64146	9.885	ng	96
8) 2-Chlorophenol	7.435	128	42659	9.487	ng	98
9) Benzaldehyde	7.012	77	42276	12.788	ng	96
10) Phenol	7.059	94	58124	9.118	ng	91
11) bis(2-Chloroethyl)ether	7.300	93	46199	9.000	ng	94
12) 1,3-Dichlorobenzene	7.764	146	45390	8.483	ng	100
13) 1,4-Dichlorobenzene	7.911	146	46153	8.541	ng	91
14) 1,2-Dichlorobenzene	8.228	146	46249	8.930	ng	93
15) Benzyl Alcohol	8.105	79	40491	8.946	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.393	45	99099	9.588	ng	98
17) 2-Methylphenol	8.305	107	35174	8.532	ng	94
18) Hexachloroethane	8.951	117	16227	9.125	ng	96
19) n-Nitroso-di-n-propyla...	8.675	70	38262	9.124	ng	97
20) 3+4-Methylphenols	8.628	107	48828	8.890	ng	95
22) Acetophenone	8.687	105	77725	9.252	ng	98
24) Nitrobenzene	9.063	77	55899	12.671	ng	97
25) Isophorone	9.586	82	107702	9.875	ng	97
26) 2-Nitrophenol	9.768	139	13137	17.500	ng	# 80
27) 2,4-Dimethylphenol	9.832	122	23604	7.524	ng	93
28) bis(2-Chloroethoxy)met...	10.073	93	62562	9.015	ng	99
29) 2,4-Dichlorophenol	10.302	162	37323	11.695	ng	94
30) 1,2,4-Trichlorobenzene	10.526	180	46657	9.052	ng	98
31) Naphthalene	10.714	128	147371	8.990	ng	100
32) Benzoic acid	9.909	122	12088m	13.385	ng	
33) 4-Chloroaniline	10.808	127	55750	8.876	ng	96
34) Hexachlorobutadiene	11.007	225	29553	9.004	ng	98
35) Caprolactam	11.554	113	14370	13.282	ng	# 71
36) 4-Chloro-3-methylphenol	11.930	107	47247	9.409	ng	# 93
37) 2-Methylnaphthalene	12.324	142	103146	9.029	ng	98
38) 1-Methylnaphthalene	12.541	142	98057	8.675	ng	98
40) 1,2,4,5-Tetrachloroben...	12.688	216	55640	9.097	ng	98
41) Hexachlorocyclopentadiene	12.670	237	11861	7.662	ng	88
43) 2,4,6-Trichlorophenol	12.923	196	28949	12.127	ng	94

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	33032	11.437	ng	98
46) 1,1'-Biphenyl	13.334	154	147603	9.347	ng	96
47) 2-Chloronaphthalene	13.369	162	105687	9.182	ng	94
48) 2-Nitroaniline	13.563	65	27740	13.988	ng	93
49) Acenaphthylene	14.215	152	168057	9.400	ng	99
50) Dimethylphthalate	13.951	163	128734	9.361	ng	98
51) 2,6-Dinitrotoluene	14.063	165	21713	12.979	ng	97
52) Acenaphthene	14.556	154	106610	8.890	ng	99
53) 3-Nitroaniline	14.386	138	22395	11.864	ng	# 95
54) 2,4-Dinitrophenol	14.592	184	4035	12.170	ng	# 75
55) Dibenzofuran	14.891	168	169296	8.694	ng	97
56) 4-Nitrophenol	14.685	139	17550	14.337	ng	97
57) 2,4-Dinitrotoluene	14.850	165	26237	12.874	ng	98
58) Fluorene	15.543	166	134789	8.956	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.120	232	31783	12.468	ng	100
60) Diethylphthalate	15.320	149	133839	9.179	ng	99
61) 4-Chlorophenyl-phenyle...	15.543	204	69506	9.204	ng	98
62) 4-Nitroaniline	15.549	138	25160	11.034	ng	92
63) Azobenzene	15.831	77	147512	8.565	ng	98
65) 4,6-Dinitro-2-methylph...	15.608	198	8470	14.036	ng	87
66) n-Nitrosodiphenylamine	15.749	169	114488	9.011	ng	95
67) 4-Bromophenyl-phenylether	16.436	248	42162	9.244	ng	95
68) Hexachlorobenzene	16.542	284	49017	9.141	ng	98
69) Atrazine	16.701	200	42304	10.005	ng	96
70) Pentachlorophenol	16.883	266	21434	14.143	ng	96
71) Phenanthrene	17.277	178	222058	9.226	ng	97
72) Anthracene	17.365	178	212944	8.842	ng	99
73) Carbazole	17.635	167	203554	9.029	ng	95
74) Di-n-butylphthalate	18.217	149	225037	9.576	ng	98
75) Fluoranthene	19.286	202	260499	8.888	ng	99
77) Benzidine	19.468	184	81666	7.892	ng	# 95
78) Pyrene	19.644	202	280764	9.359	ng	99
80) Butylbenzylphthalate	20.555	149	87181	12.916	ng	99
81) Benzo(a)anthracene	21.448	228	293186	9.503	ng	99
82) 3,3'-Dichlorobenzidine	21.372	252	93672	9.749	ng	96
83) Chrysene	21.513	228	279937	9.118	ng	100
84) Bis(2-ethylhexyl)phtha...	21.395	149	146255	12.365	ng	98
85) Di-n-octyl phthalate	22.547	149	235360	14.265	ng	100
87) Indeno(1,2,3-cd)pyrene	27.894	276	306811	9.386	ng	# 89
88) Benzo(b)fluoranthene	23.540	252	264296	8.858	ng	95
89) Benzo(k)fluoranthene	23.604	252	282010	9.205	ng	99
90) Benzo(a)pyrene	24.351	252	248758	9.341	ng	97
91) Dibenzo(a,h)anthracene	27.970	278	251439	9.110	ng	98
92) Benzo(g,h,i)perylene	28.951	276	240919	8.646	ng	95

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

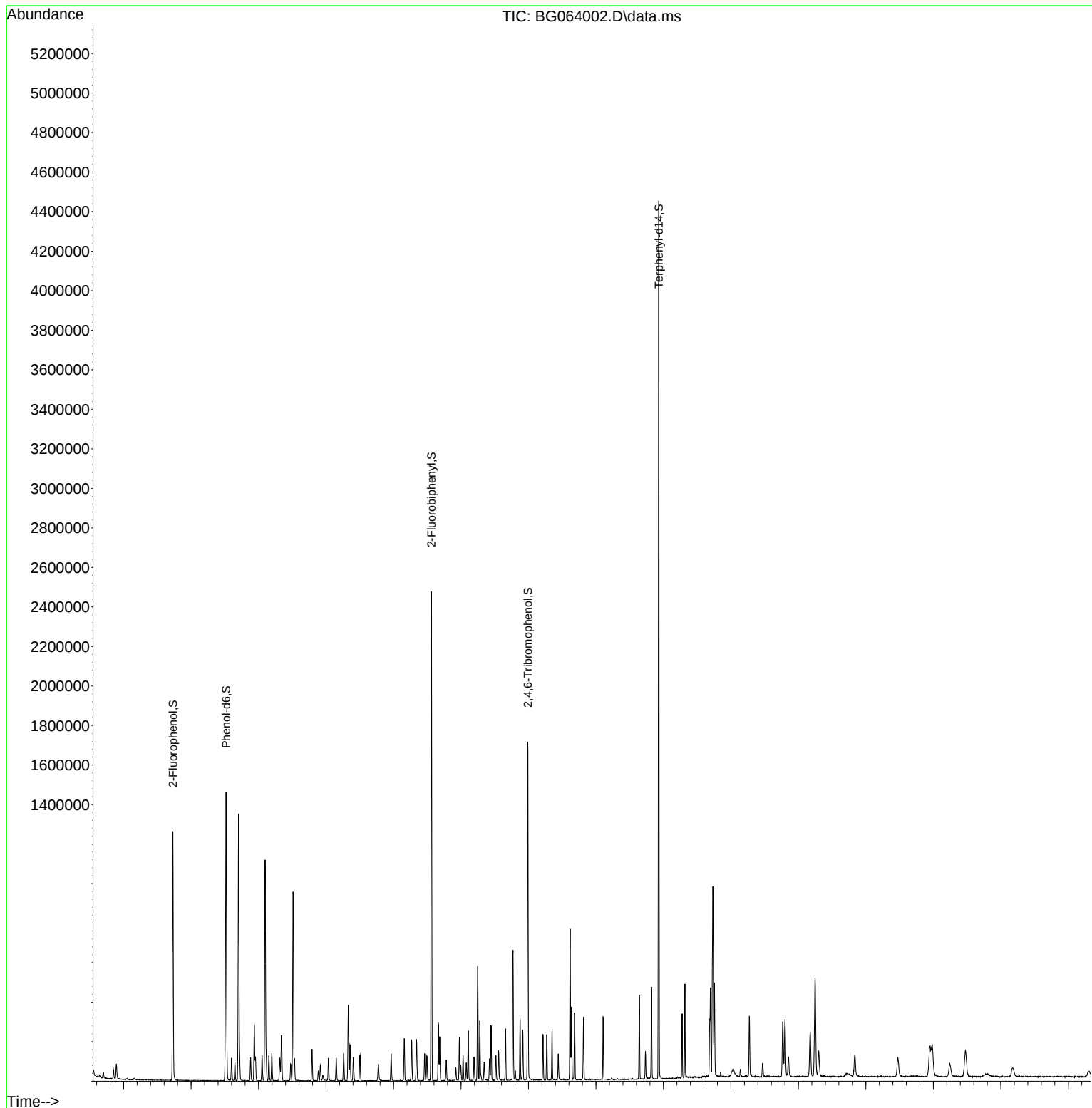
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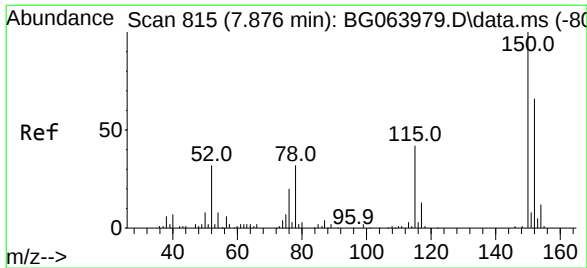
Instrument :
BNA_G
ClientSampleId :
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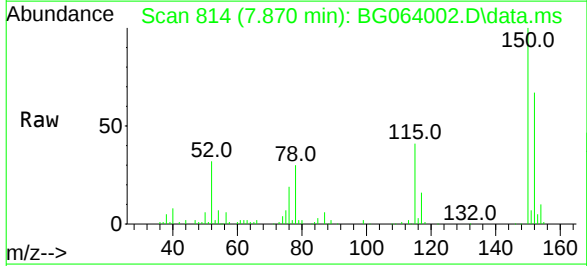
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.870 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

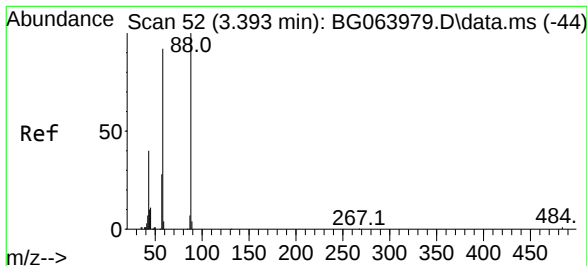
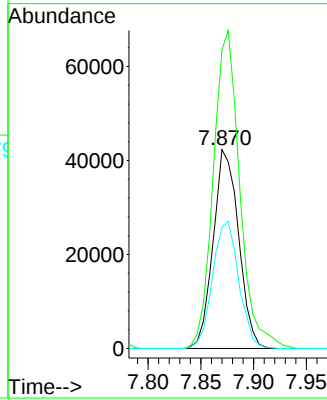
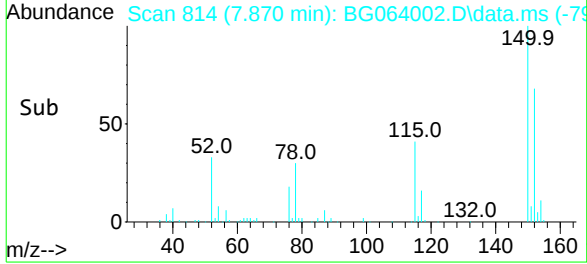
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



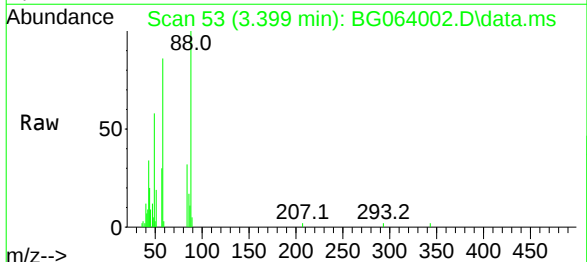
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Ion Ratio Lower Upper
152 100
150 150.2 121.0 181.6
115 60.9 50.4 75.6

Manual Integrations
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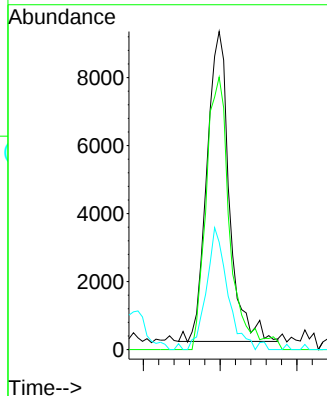
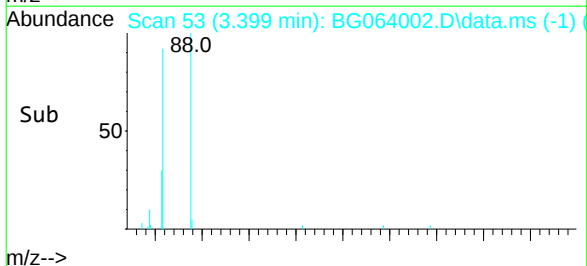
Reviewed By :Yogesh Patel 02/06/2025
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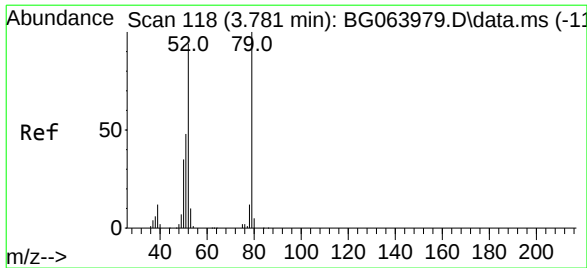


#2
1,4-Dioxane
Concen: 8.850 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.005 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



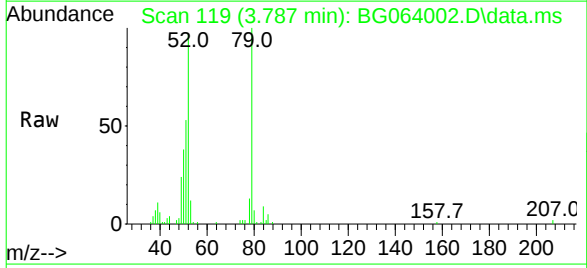
Tgt Ion: 88 Resp: 18547
Ion Ratio Lower Upper
88 100
58 92.1 71.8 107.8
43 36.6 31.2 46.8





#3
Pyridine
Concen: 7.745 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.005 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

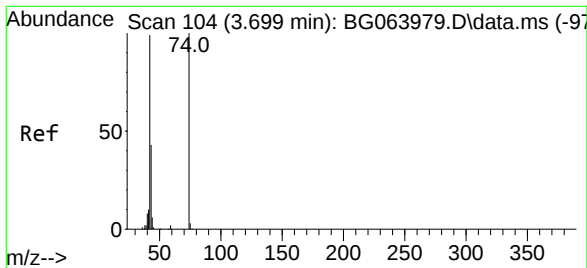
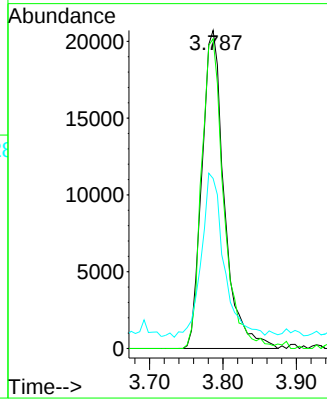
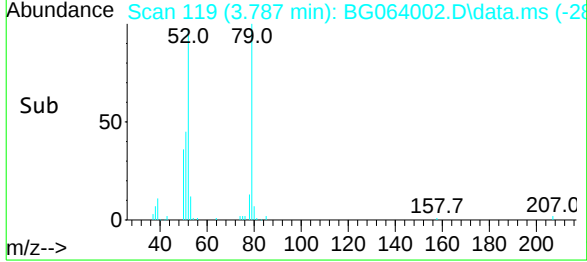
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



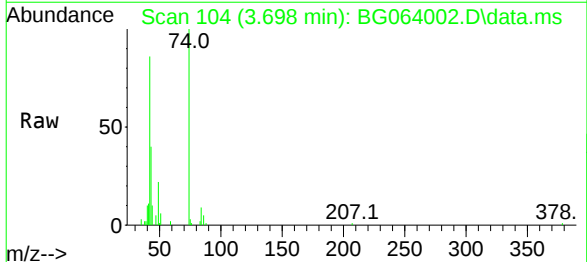
Tgt Ion: 79 Resp: 43829
Ion Ratio Lower Upper
79 100
52 97.4 75.1 112.7
51 53.5 38.9 58.3

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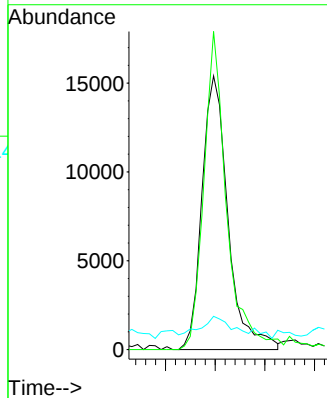
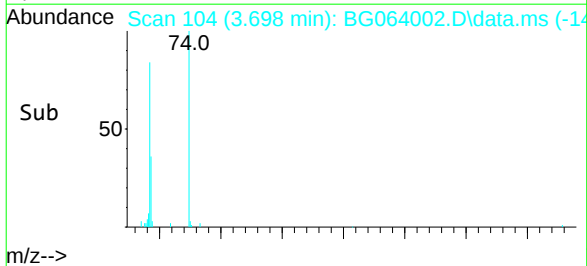
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

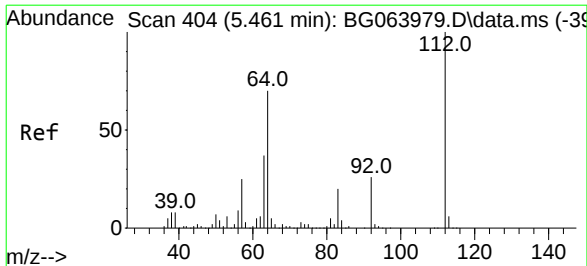


#4
n-Nitrosodimethylamine
Concen: 8.626 ng
RT: 3.698 min Scan# 104
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



Tgt Ion: 42 Resp: 28068
Ion Ratio Lower Upper
42 100
74 116.2 80.8 121.2
44 12.2 5.8 8.6





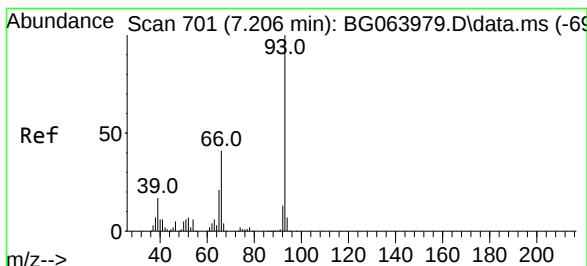
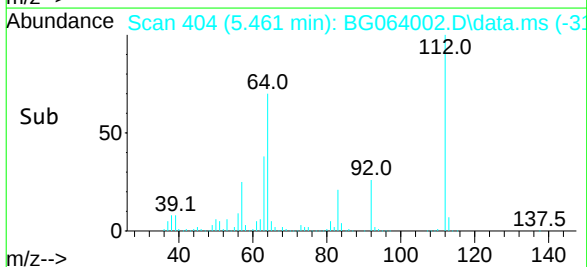
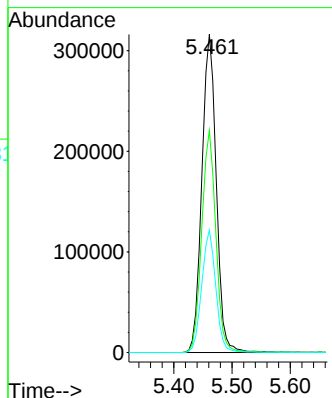
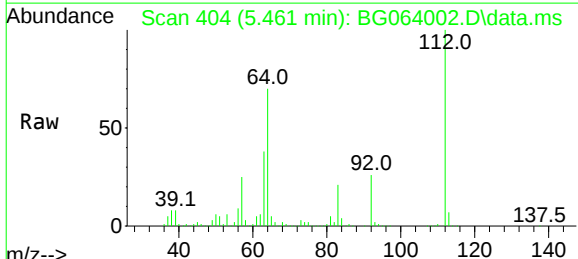
#5
2-Fluorophenol
Concen: 123.331 ng
RT: 5.461 min Scan# 404
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

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

Tgt Ion:	112	Resp:	544219
Ion Ratio	Lower	Upper	
112	100		
64	69.8	55.8	83.8
63	38.5	29.3	43.9

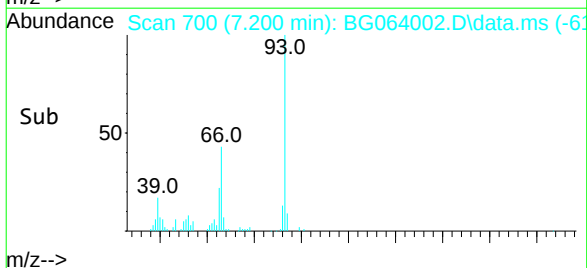
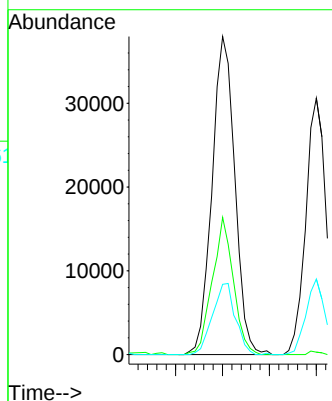
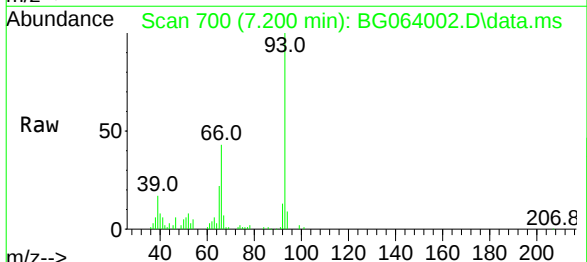
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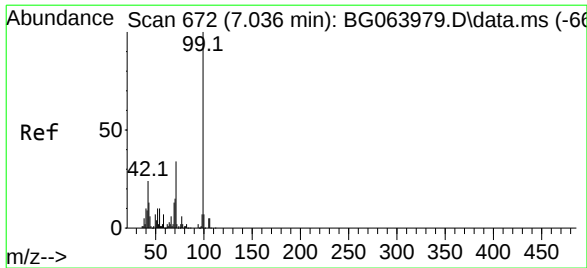
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 9.885 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

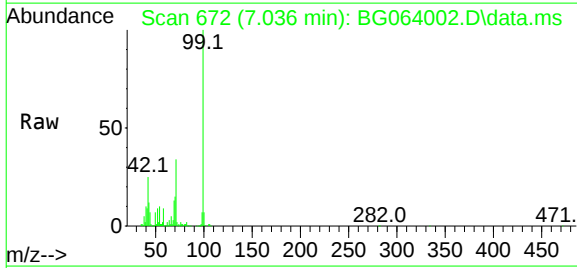
Tgt Ion:	93	Resp:	64146
Ion Ratio	Lower	Upper	
93	100		
66	43.1	32.5	48.7
65	22.1	16.6	25.0





#7
Phenol-d6
Concen: 131.366 ng
RT: 7.036 min Scan# 671
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

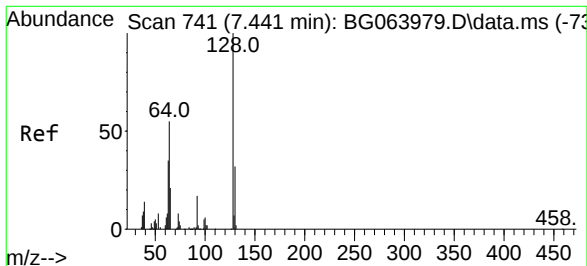
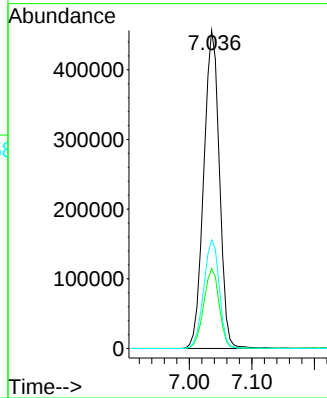
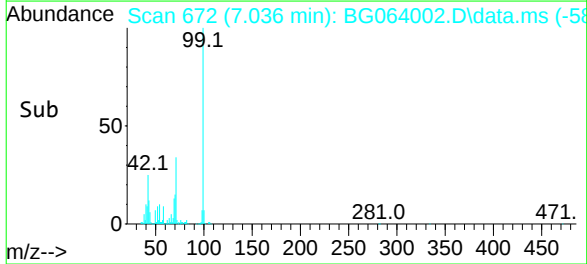
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 99 Resp: 795502
Ion Ratio Lower Upper
99 100
42 25.1 18.9 28.3
71 34.1 27.0 40.6

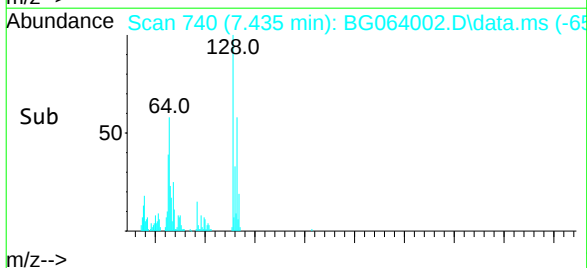
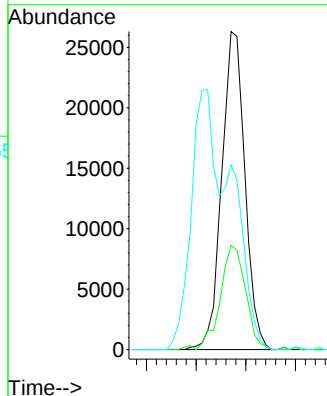
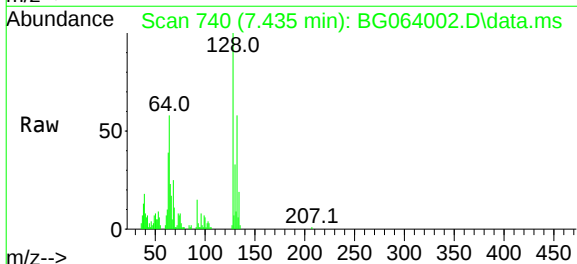
Manual Integrations
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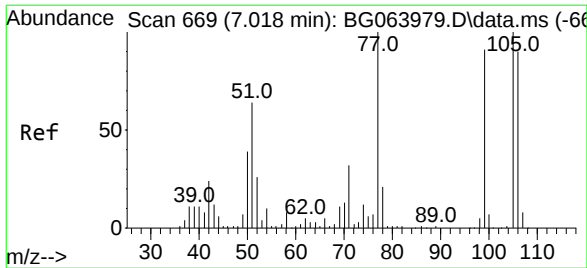
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 9.487 ng
RT: 7.435 min Scan# 740
Delta R.T. -0.006 min
Lab File: BG064002.D
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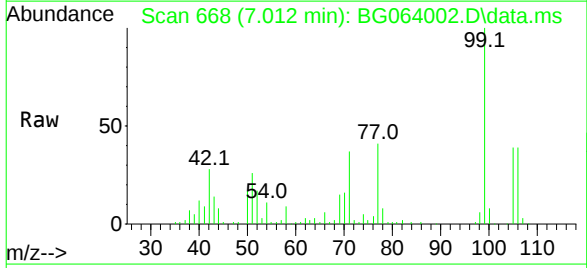
Tgt Ion:128 Resp: 42659
Ion Ratio Lower Upper
128 100
130 32.8 11.9 51.9
64 58.1 36.8 76.8





#9
Benzaldehyde
Concen: 12.788 ng
RT: 7.012 min Scan# 669
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

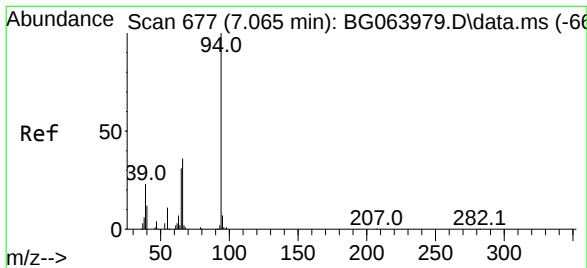
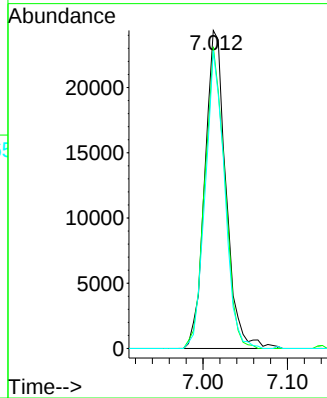
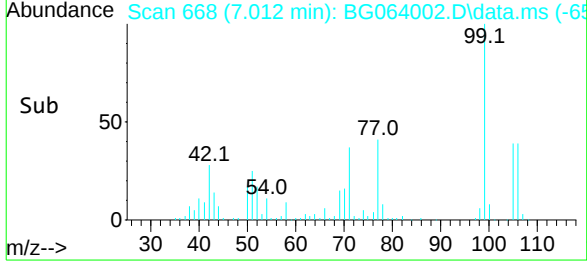
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Tgt Ion: 77 Resp: 42276
Ion Ratio Lower Upper
77 100
105 94.8 79.8 119.8
106 93.6 69.9 109.9

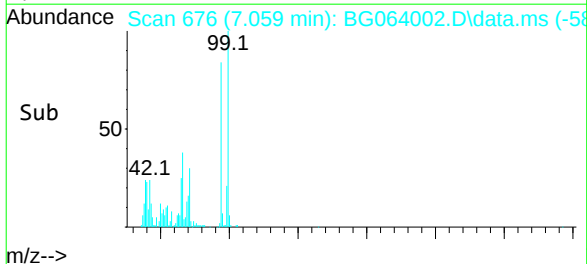
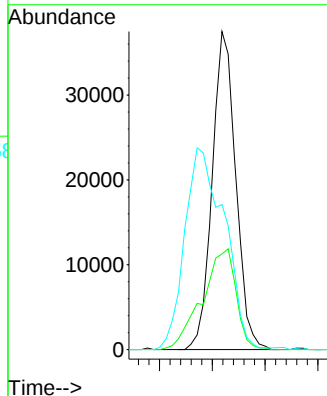
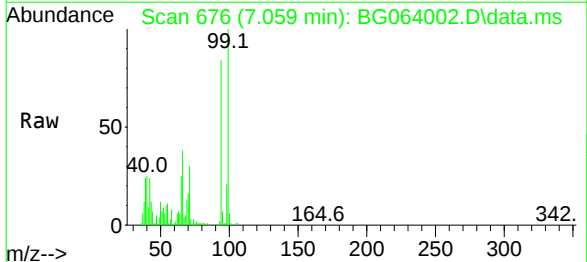
Manual Integrations
APPROVED

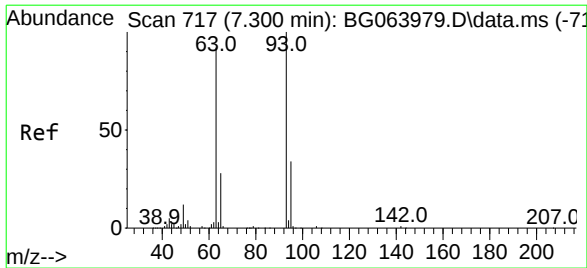
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 9.118 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

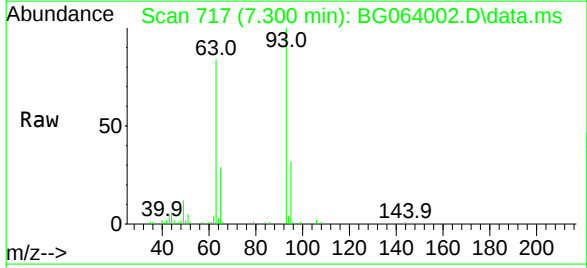
Tgt Ion: 94 Resp: 58124
Ion Ratio Lower Upper
94 100
65 30.1 11.4 51.4
66 45.6 16.7 56.7





#11
bis(2-Chloroethyl)ether
Concen: 9.000 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

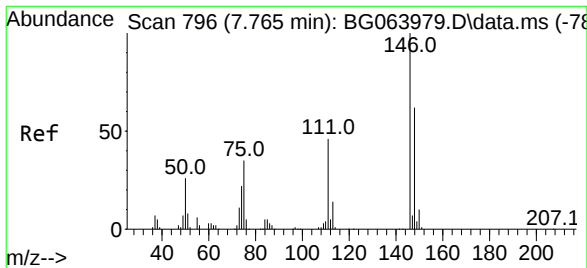
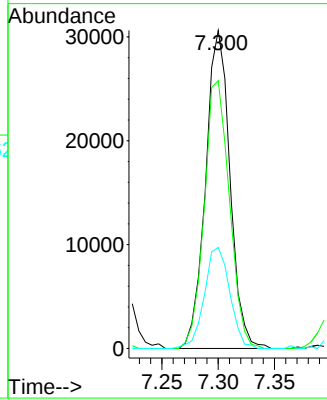
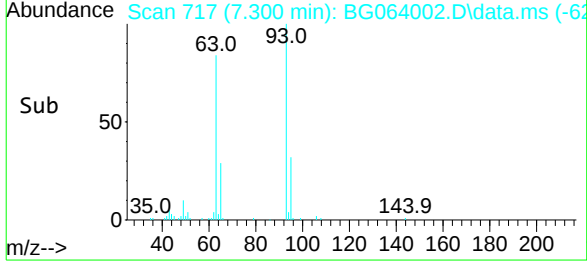
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



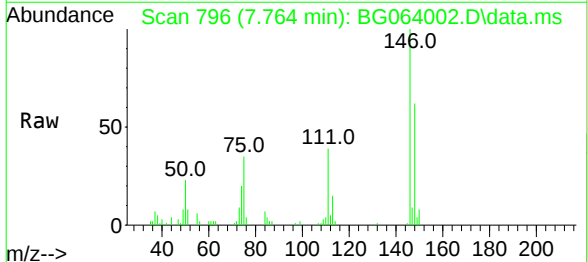
Tgt Ion: 93 Resp: 46199
Ion Ratio Lower Upper
93 100
63 84.2 71.2 111.2
95 31.8 13.9 53.9

Manual Integrations
APPROVED

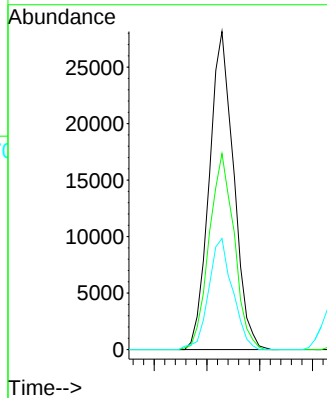
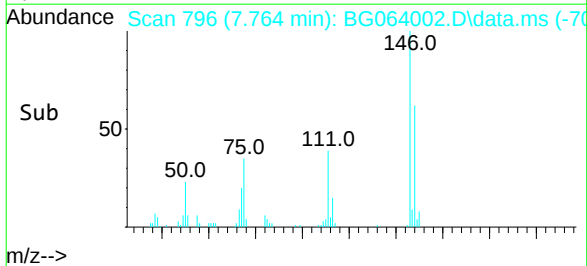
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

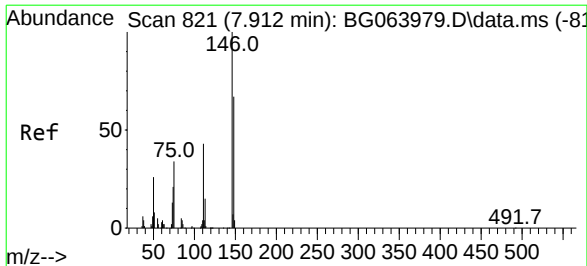


#12
1,3-Dichlorobenzene
Concen: 8.483 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



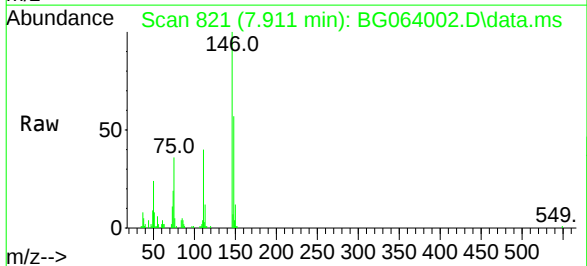
Tgt Ion:146 Resp: 45390
Ion Ratio Lower Upper
146 100
148 61.6 49.6 74.4
75 34.9 27.8 41.8





#13
1,4-Dichlorobenzene
Concen: 8.541 ng
RT: 7.911 min Scan# 821
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

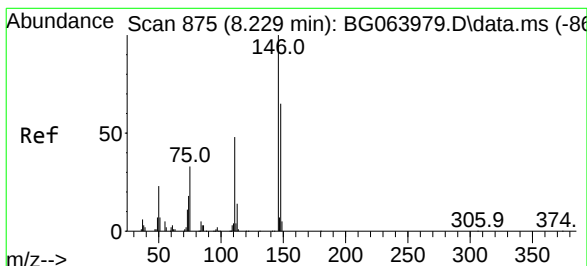
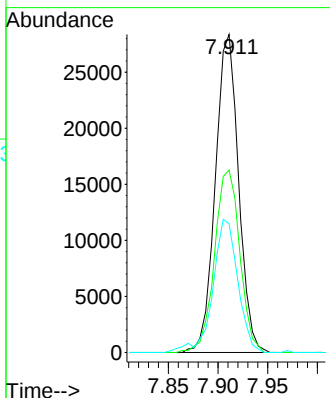
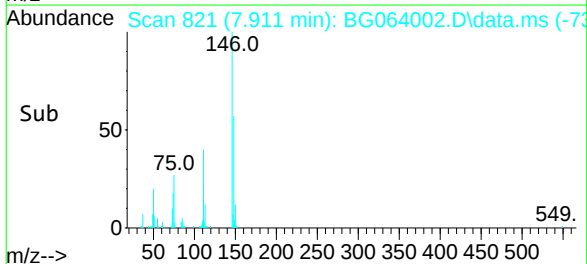
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	146	Resp:	46153
Ion Ratio	Lower	Upper	
146	100		
148	57.4	53.3	79.9
111	40.5	34.8	52.2

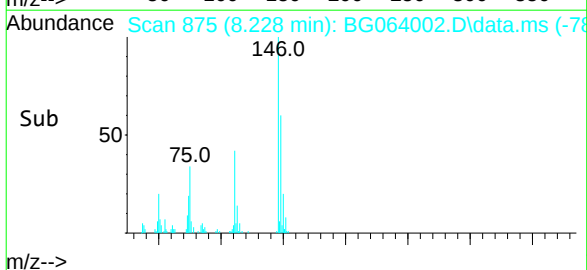
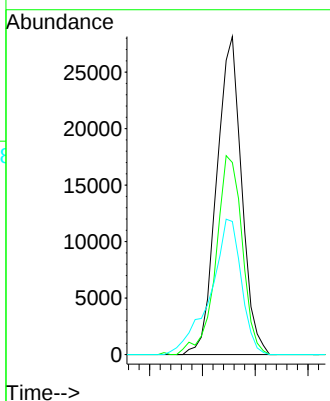
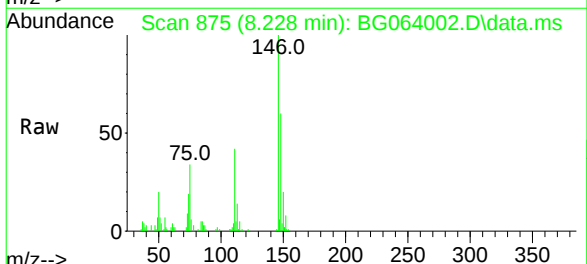
Manual Integrations
APPROVED

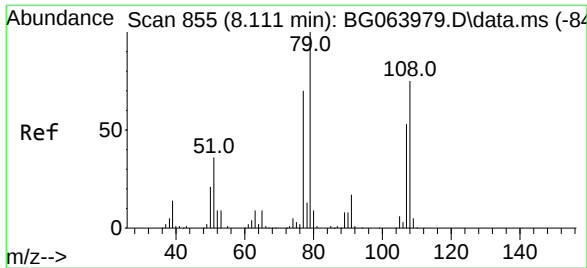
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#14
1,2-Dichlorobenzene
Concen: 8.930 ng
RT: 8.228 min Scan# 875
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

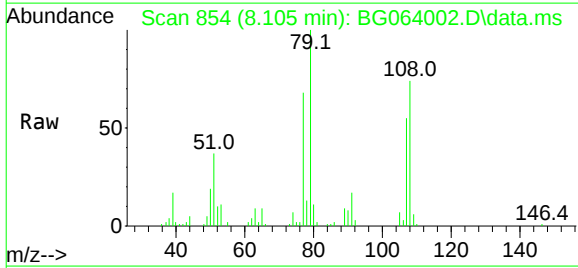
Tgt Ion:	146	Resp:	46249
Ion Ratio	Lower	Upper	
146	100		
148	60.4	52.0	78.0
111	41.9	38.2	57.2





#15
Benzyl Alcohol
Concen: 8.946 ng
RT: 8.105 min Scan# 855
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

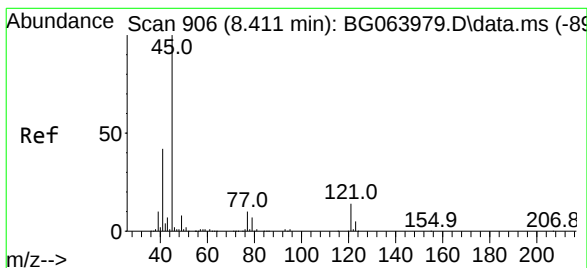
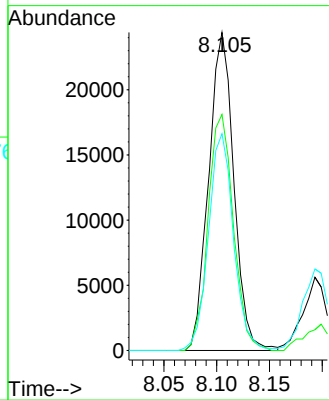
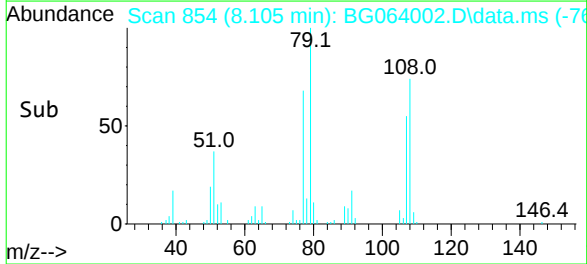
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



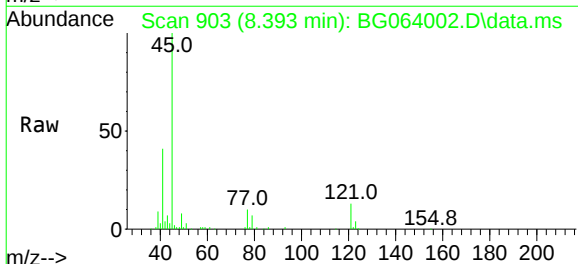
Tgt Ion: 79 Resp: 40491
Ion Ratio Lower Upper
79 100
108 74.2 60.3 90.5
77 68.2 55.8 83.8

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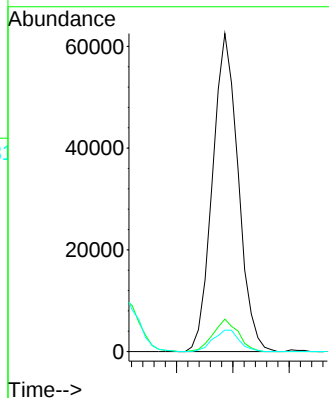
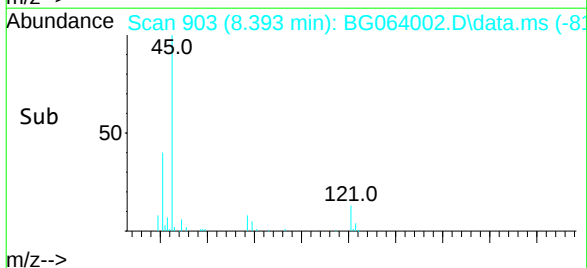
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

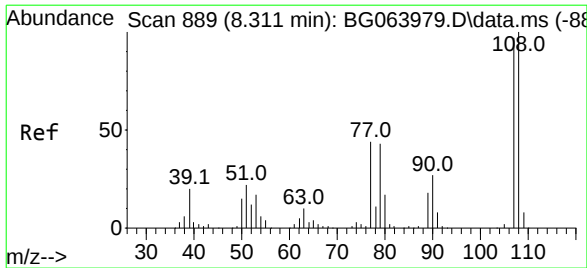


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.588 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.018 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



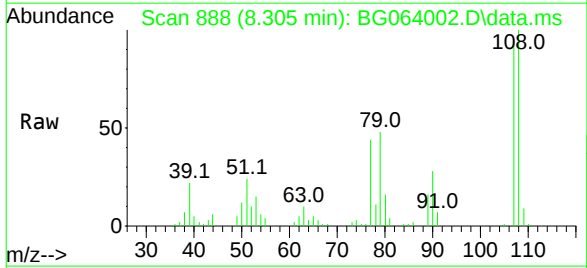
Tgt Ion: 45 Resp: 99099
Ion Ratio Lower Upper
45 100
77 10.2 0.0 29.8
79 6.8 0.0 27.7





#17
2-Methylphenol
Concen: 8.532 ng
RT: 8.305 min Scan# 889
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

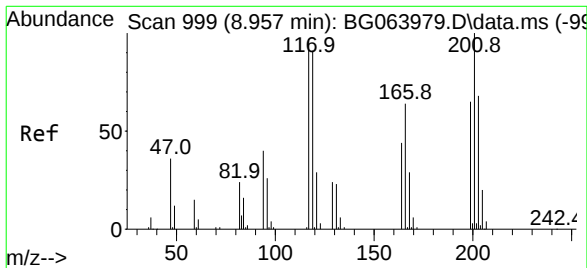
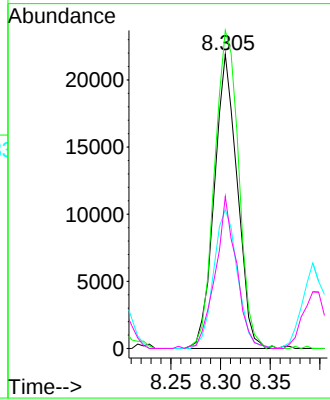
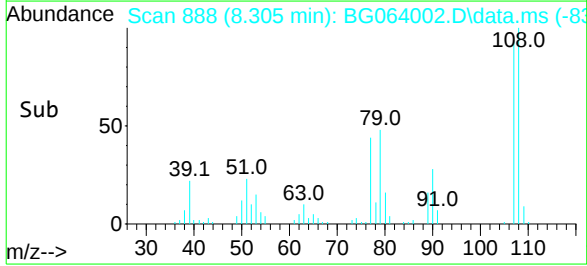
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



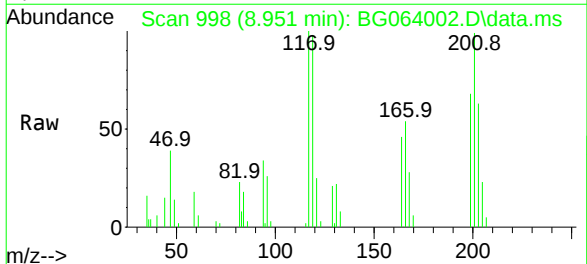
Tgt Ion:	107	Resp:	35174
Ion	Ratio	Lower	Upper
107	100		
108	108.1	82.9	124.3
77	47.2	36.4	54.6
79	51.6	35.4	53.0

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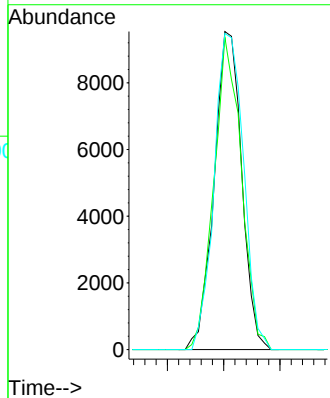
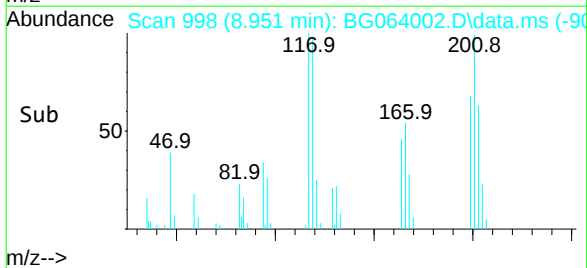
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

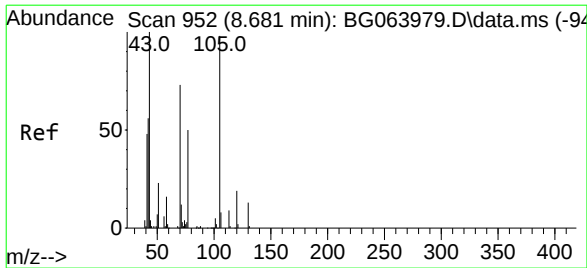


#18
Hexachloroethane
Concen: 9.125 ng
RT: 8.951 min Scan# 998
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



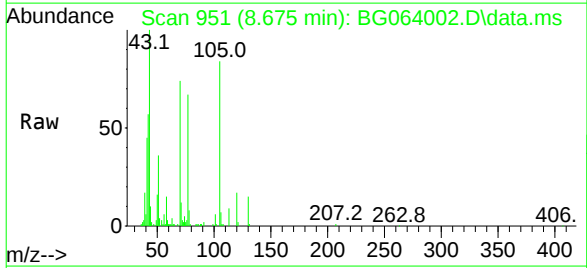
Tgt Ion:	117	Resp:	16227
Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.4	113.0
201	99.4	82.4	123.6





#19
n-Nitroso-di-n-propylamine
Concen: 9.124 ng
RT: 8.675 min Scan# 951
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

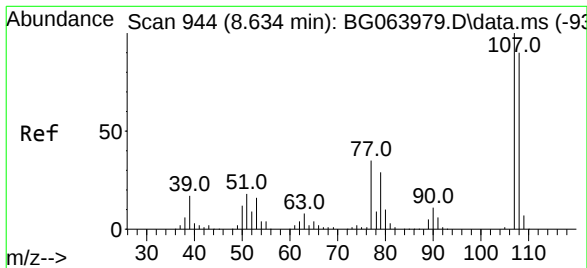
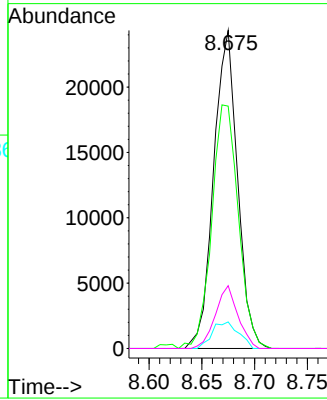
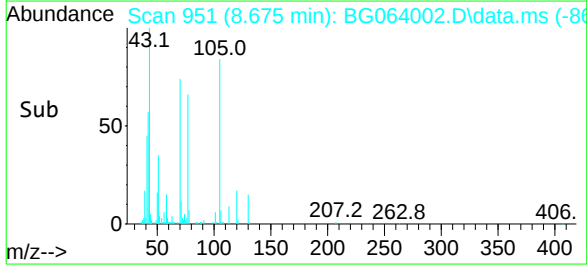
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



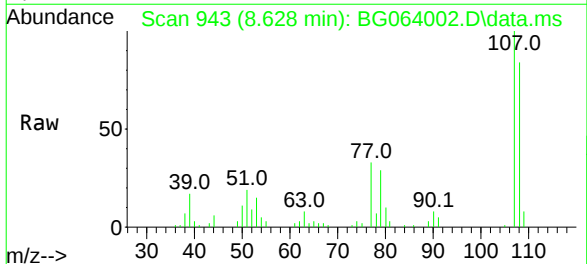
Tgt Ion: 70 Resp: 38262
Ion Ratio Lower Upper
70 100
42 76.2 62.2 93.4
101 8.3 5.6 8.4
130 19.7 13.8 20.6

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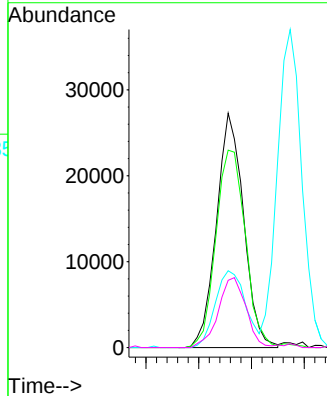
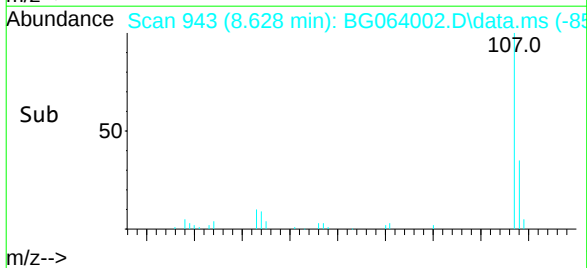
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

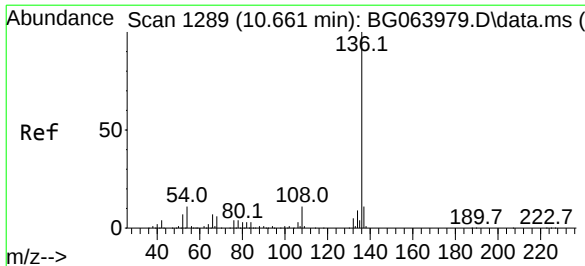


#20
3+4-Methylphenols
Concen: 8.890 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



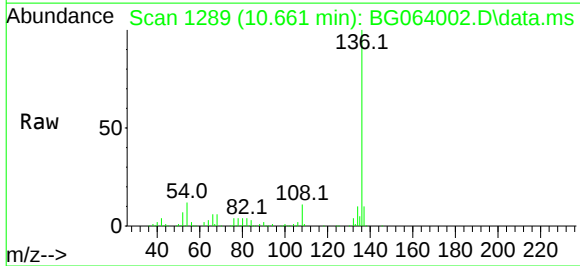
Tgt Ion:107 Resp: 48828
Ion Ratio Lower Upper
107 100
108 84.2 70.0 110.0
77 32.8 15.2 55.2
79 28.7 9.1 49.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.661 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

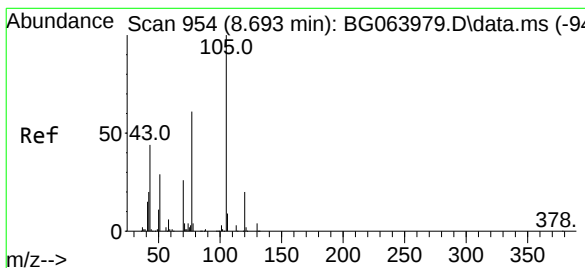
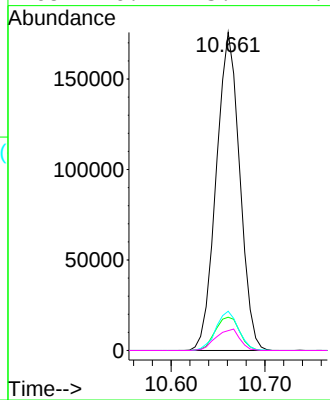
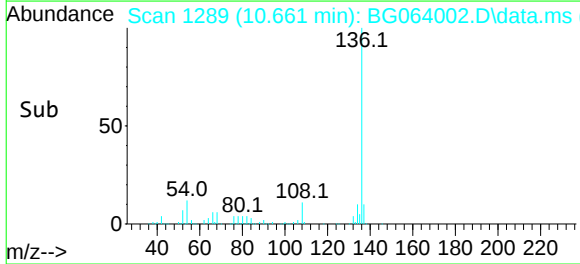
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



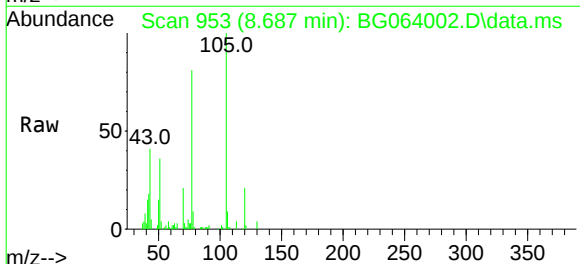
Tgt Ion:136 Resp: 305764
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 12.3 9.2 13.8
68 6.2 5.1 7.7

Manual Integrations
APPROVED

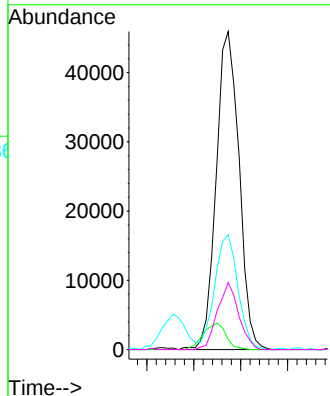
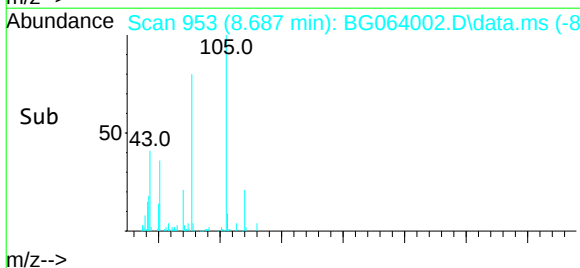
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

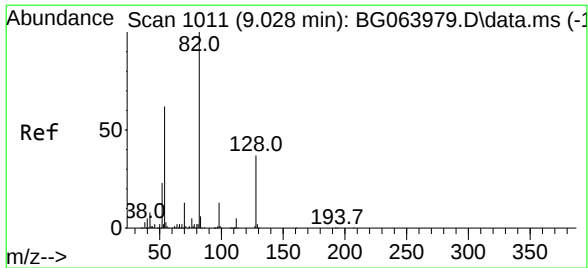


#22
Acetophenone
Concen: 9.252 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



Tgt Ion:105 Resp: 77725
Ion Ratio Lower Upper
105 100
71 3.2 3.1 4.7
51 36.1 29.9 44.9
120 21.0 16.0 24.0





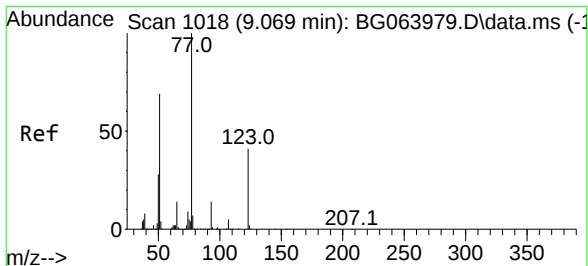
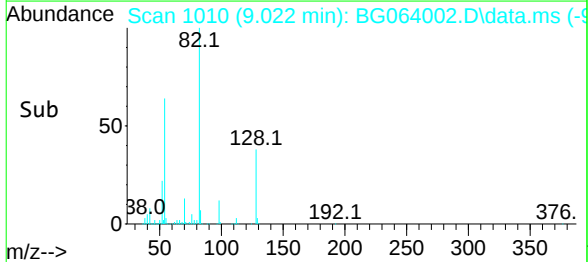
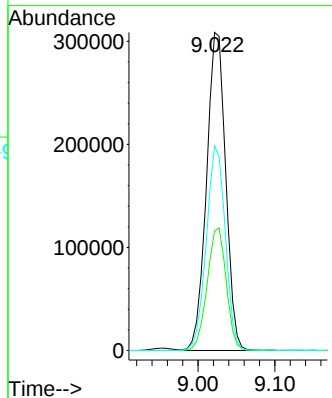
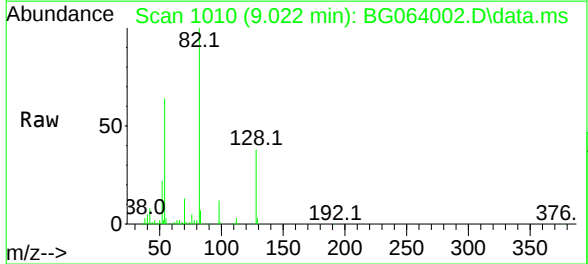
#23
 Nitrobenzene-d5
 Concen: 106.505 ng
 RT: 9.022 min Scan# 1010
 Delta R.T. -0.006 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

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

Tgt Ion: 82	Resp: 535832
Ion Ratio	Lower Upper
82 100	
128 37.7	29.4 44.2
54 64.3	49.9 74.9

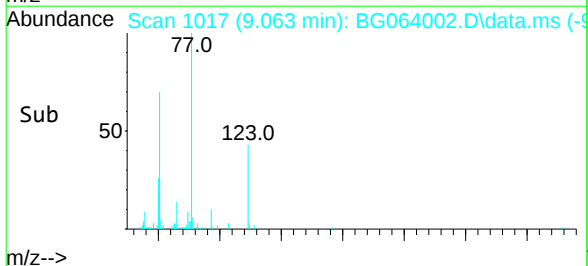
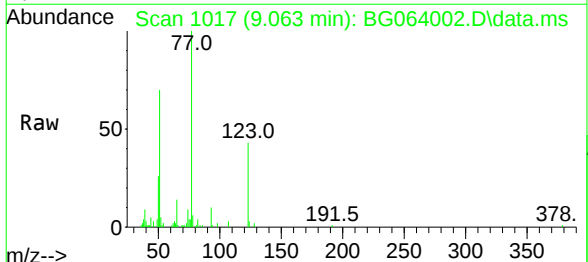
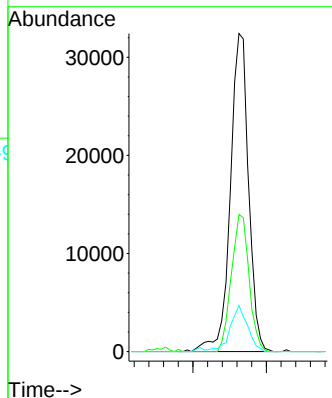
Manual Integrations
 APPROVED

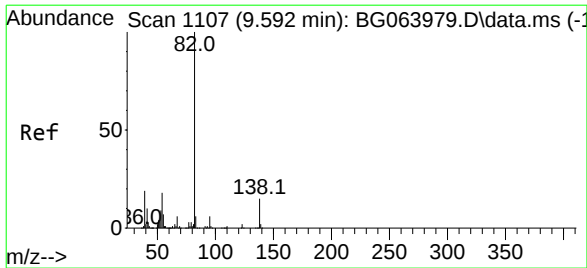
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#24
 Nitrobenzene
 Concen: 12.671 ng
 RT: 9.063 min Scan# 1017
 Delta R.T. -0.006 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

Tgt Ion: 77	Resp: 55899
Ion Ratio	Lower Upper
77 100	
123 43.1	32.9 49.3
65 14.5	11.0 16.6





#25

Isophorone

Concen: 9.875 ng

RT: 9.586 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BG064002.D

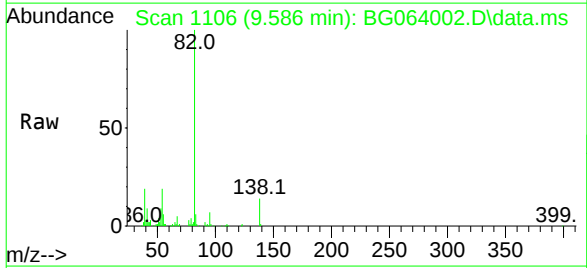
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 82 Resp: 107702

Ion Ratio Lower Upper

82 100

95 7.3 5.0 7.4

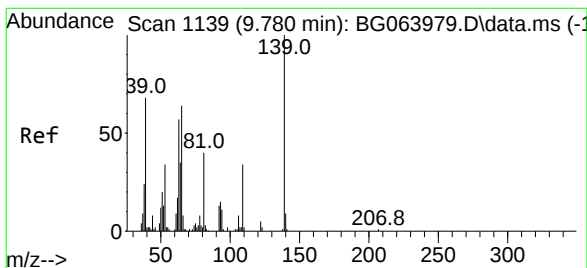
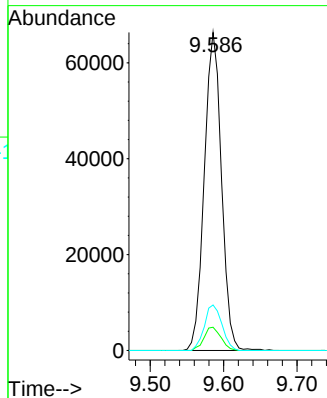
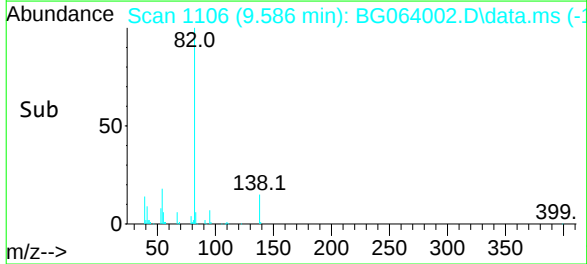
138 14.3 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#26

2-Nitrophenol

Concen: 17.500 ng

RT: 9.768 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

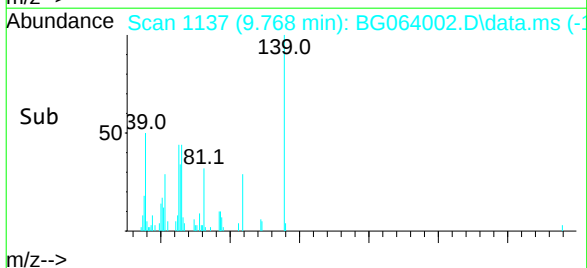
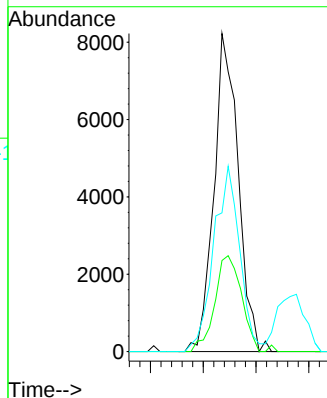
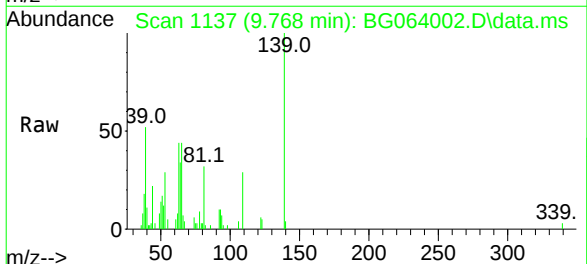
Tgt Ion:139 Resp: 13137

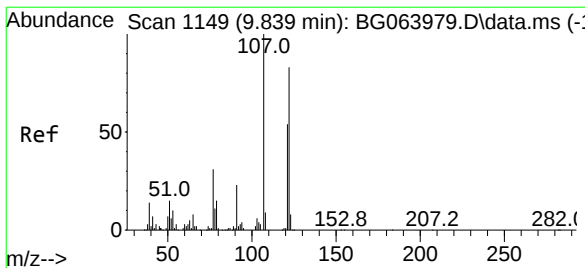
Ion Ratio Lower Upper

139 100

109 28.6 27.1 40.7

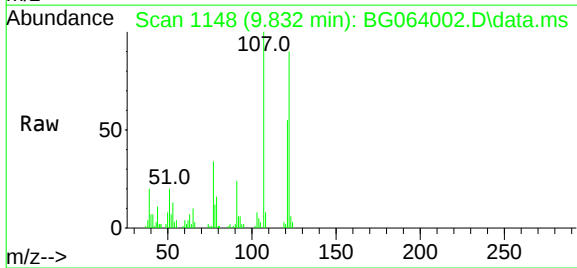
65 43.6 51.0 76.6#





#27
2,4-Dimethylphenol
Concen: 7.524 ng
RT: 9.832 min Scan# 1149
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

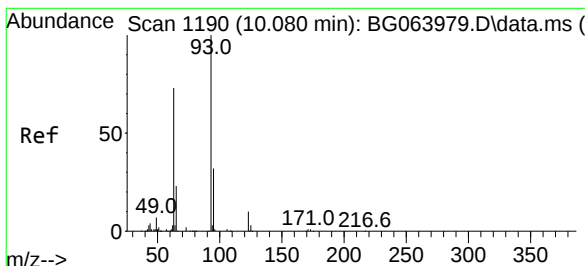
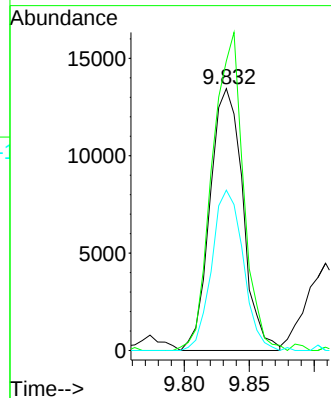
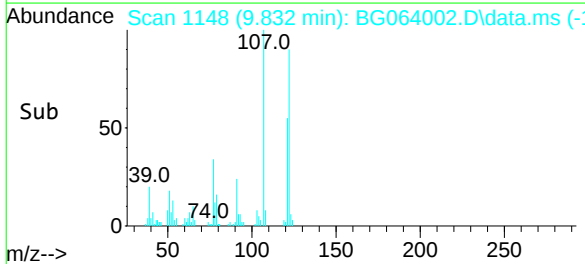
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 122 Resp: 23604
Ion Ratio Lower Upper
122 100
107 110.5 96.4 144.6
121 61.2 51.8 77.6

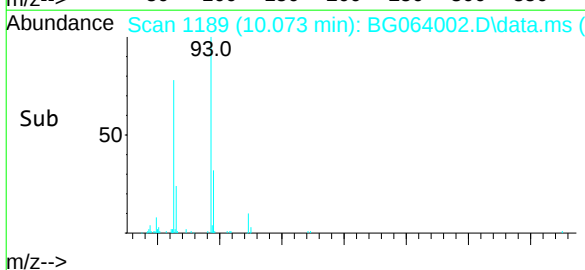
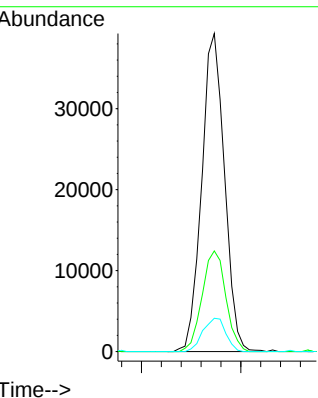
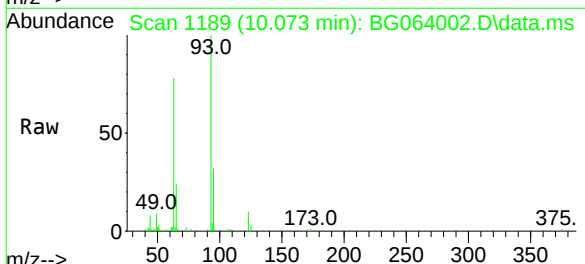
Manual Integrations
APPROVED

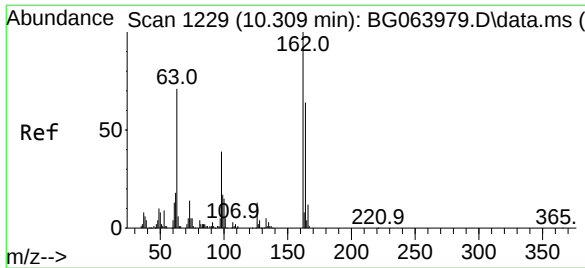
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 9.015 ng
RT: 10.073 min Scan# 1189
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

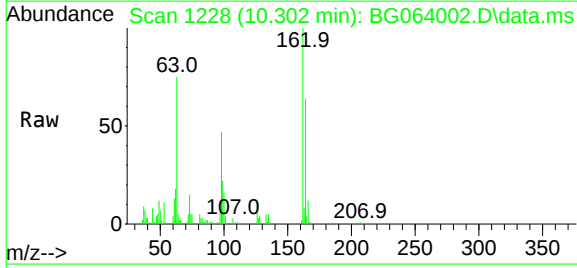
Tgt Ion: 93 Resp: 62562
Ion Ratio Lower Upper
93 100
95 31.6 25.4 38.2
123 10.5 7.8 11.6





#29
2,4-Dichlorophenol
Concen: 11.695 ng
RT: 10.302 min Scan# 1228
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

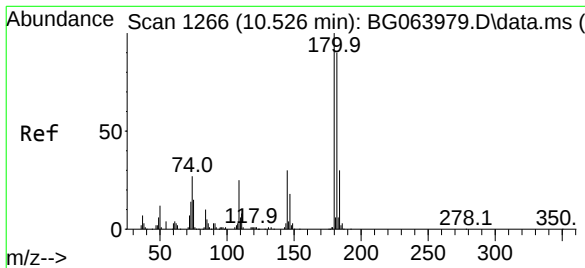
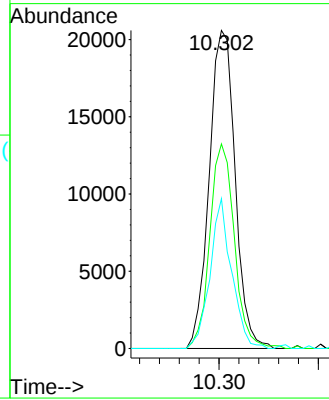
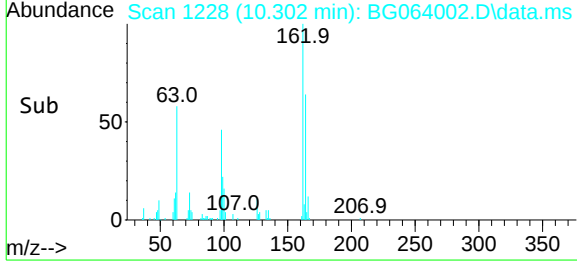
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:162 Resp: 37323
Ion Ratio Lower Upper
162 100
164 64.3 43.6 83.6
98 47.1 18.6 58.6

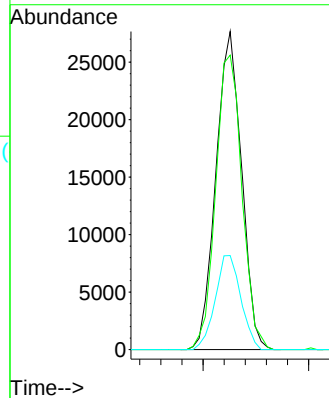
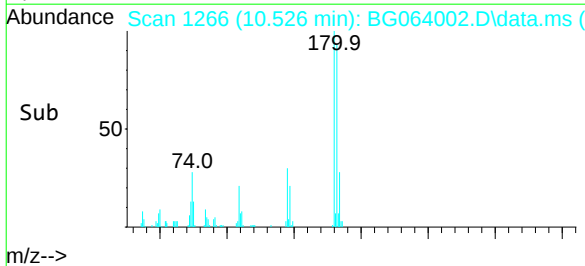
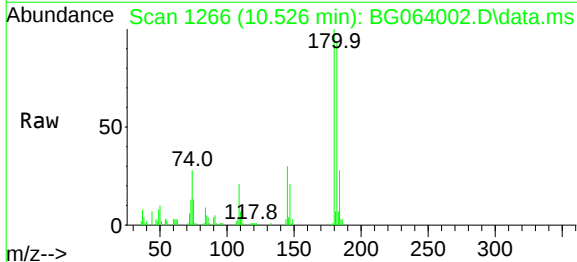
Manual Integrations
APPROVED

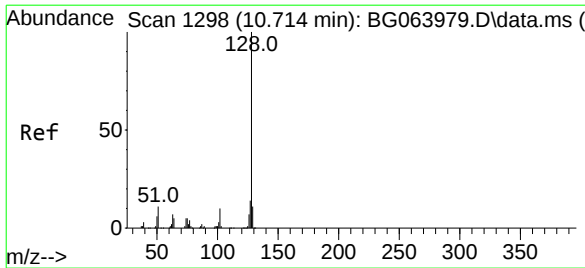
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#30
1,2,4-Trichlorobenzene
Concen: 9.052 ng
RT: 10.526 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

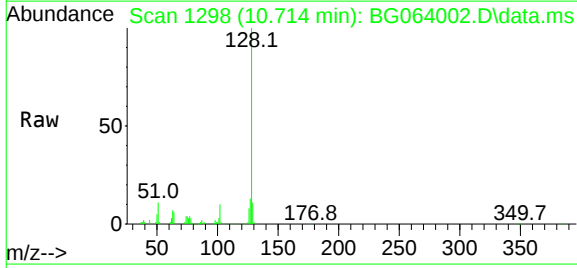
Tgt Ion:180 Resp: 46657
Ion Ratio Lower Upper
180 100
182 92.6 72.3 108.5
145 29.6 23.8 35.8





#31
Naphthalene
Concen: 8.990 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

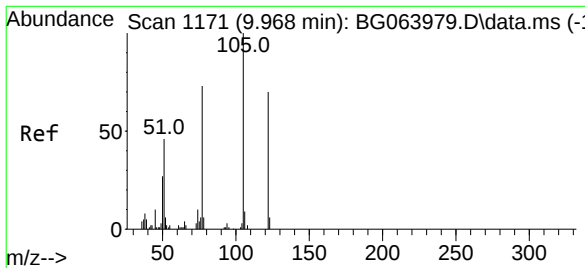
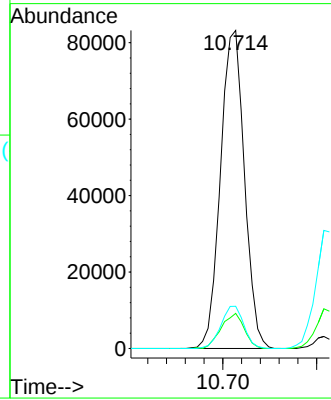
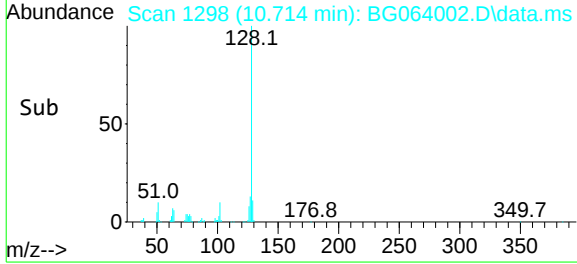
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



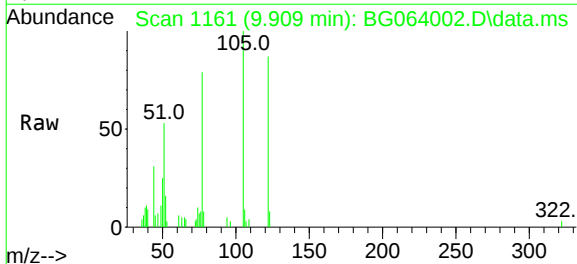
Tgt Ion:128 Resp: 147371
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.8 16.2

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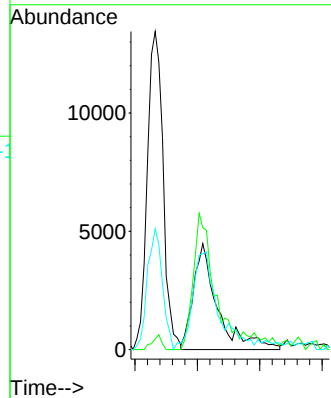
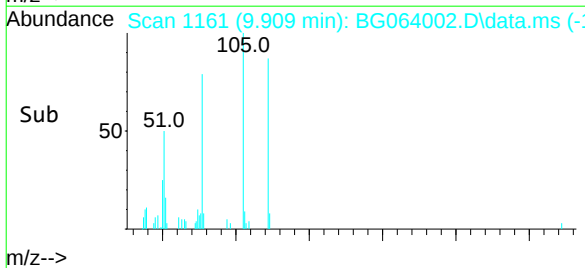
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

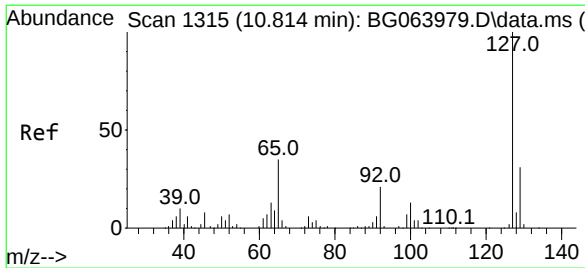


#32
Benzoic acid
Concen: 13.385 ng m
RT: 9.909 min Scan# 1161
Delta R.T. -0.059 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



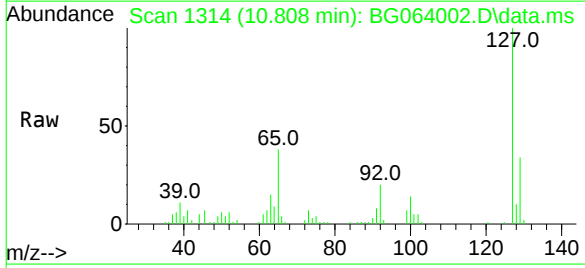
Tgt Ion:122 Resp: 12088
Ion Ratio Lower Upper
122 100
105 114.8 117.9 157.9#
77 90.5 83.9 123.9





#33
4-Chloroaniline
Concen: 8.876 ng
RT: 10.808 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

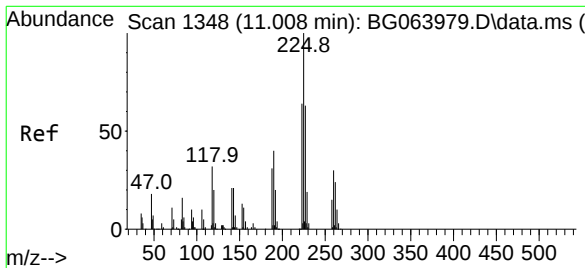
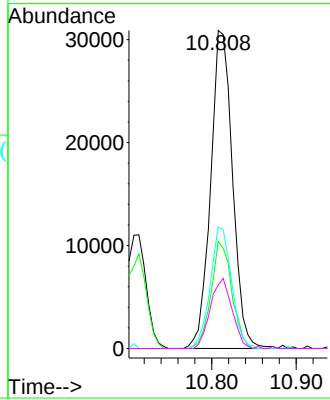
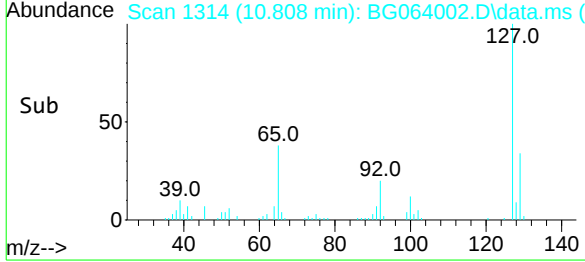
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:127 Resp: 55750
Ion Ratio Lower Upper
127 100
129 33.6 24.9 37.3
65 38.2 28.2 42.4
92 20.0 16.9 25.3

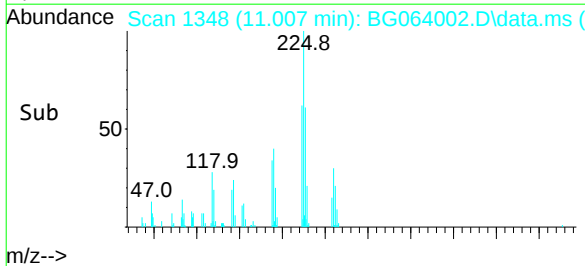
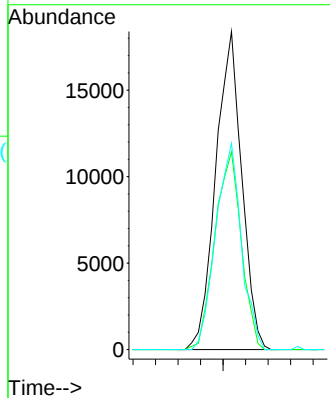
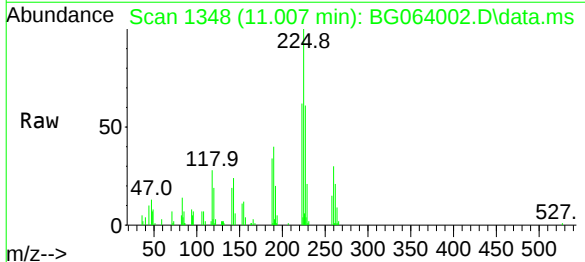
Manual Integrations
APPROVED

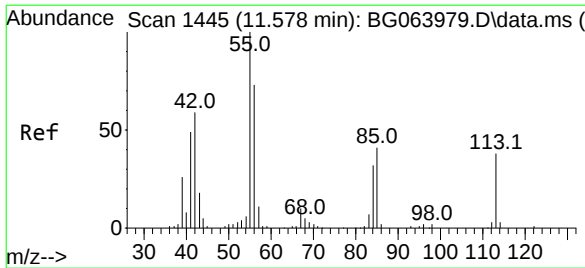
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 9.004 ng
RT: 11.007 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

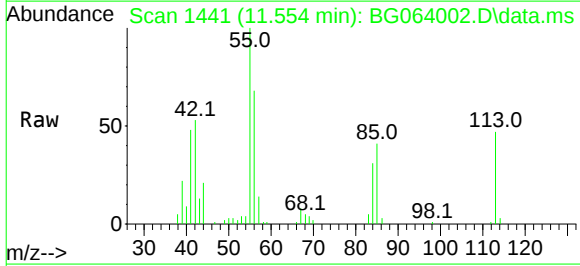
Tgt Ion:225 Resp: 29553
Ion Ratio Lower Upper
225 100
223 62.2 51.0 76.6
227 64.8 50.3 75.5





#35
Caprolactam
Concen: 13.282 ng
RT: 11.554 min Scan# 1445
Delta R.T. -0.024 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

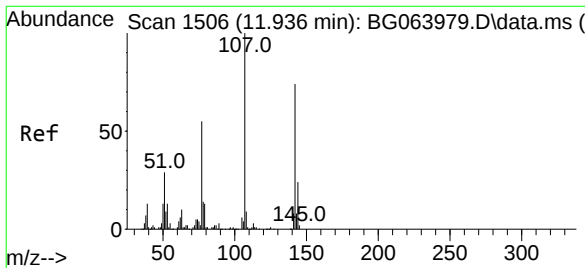
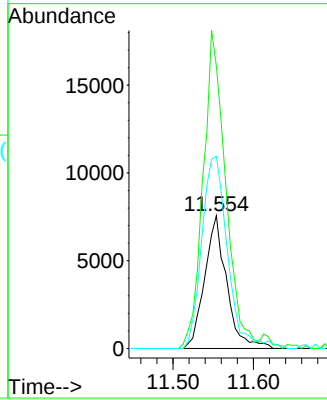
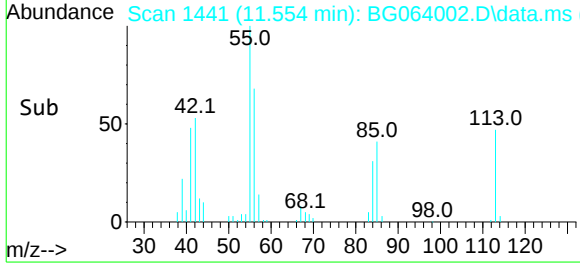
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:113 Resp: 14370
Ion Ratio Lower Upper
113 100
55 212.6 241.8 281.8#
56 144.7 171.5 211.5#

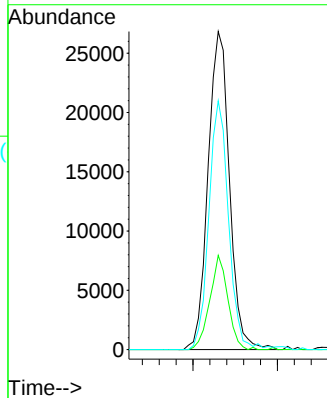
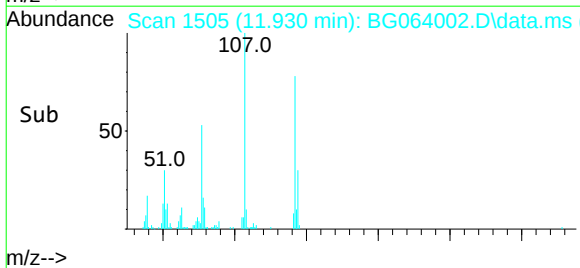
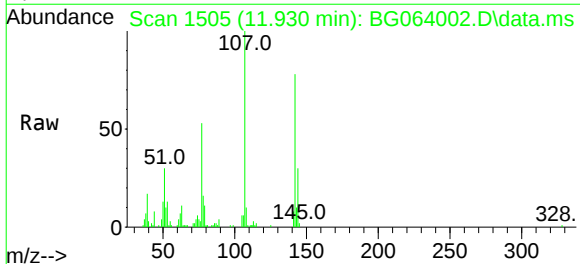
Manual Integrations
APPROVED

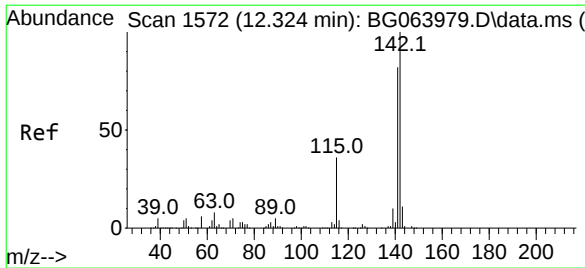
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 9.409 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:107 Resp: 47247
Ion Ratio Lower Upper
107 100
144 29.6 19.2 28.8#
142 78.2 58.9 88.3





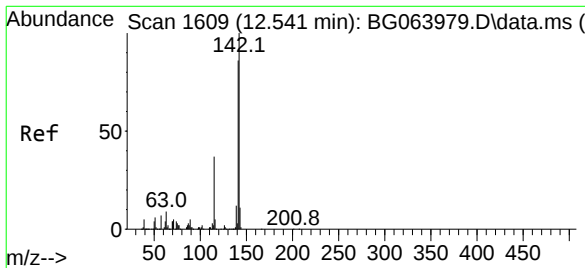
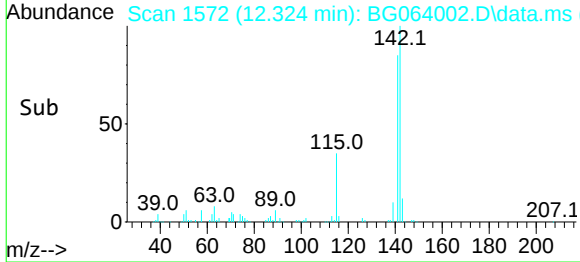
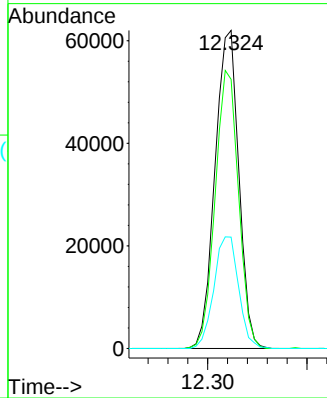
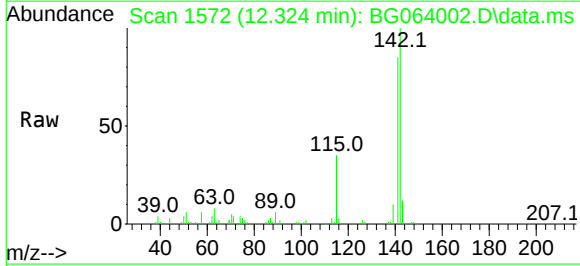
#37
2-Methylnaphthalene
Concen: 9.029 ng
RT: 12.324 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

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

Tgt Ion:142 Resp: 103146
Ion Ratio Lower Upper
142 100
141 84.6 65.8 98.8
115 35.0 28.9 43.3

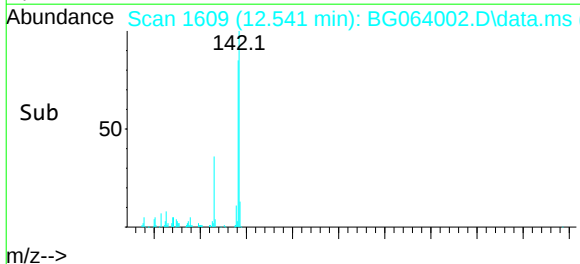
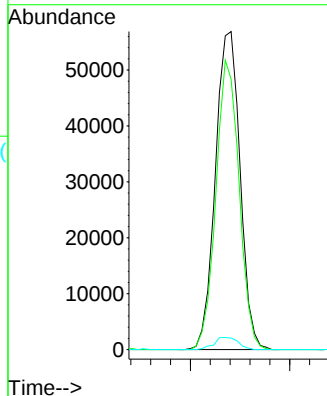
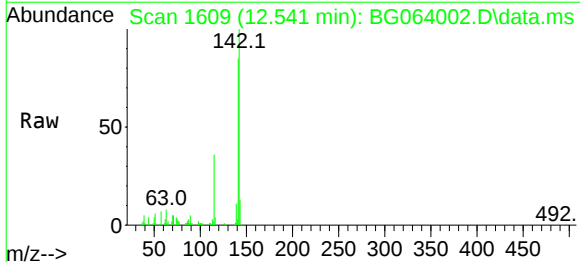
Manual Integrations
APPROVED

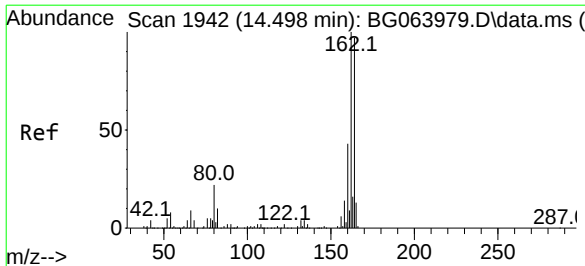
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 8.675 ng
RT: 12.541 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:142 Resp: 98057
Ion Ratio Lower Upper
142 100
141 85.0 69.2 103.8
116 3.6 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.497 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BG064002.D

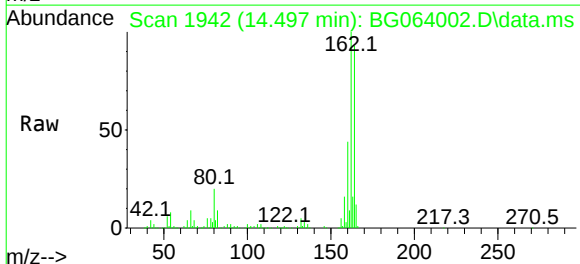
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

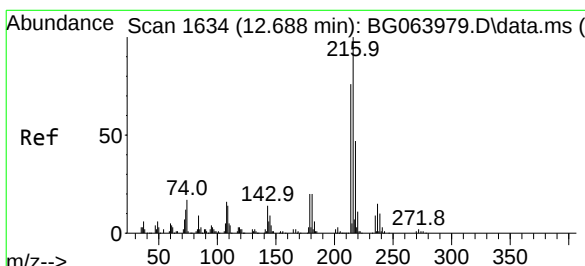
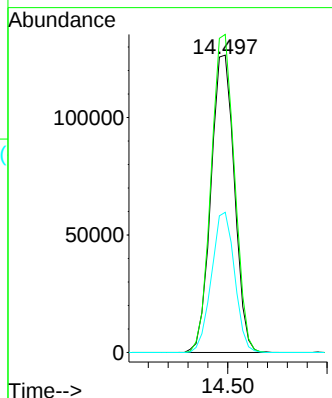
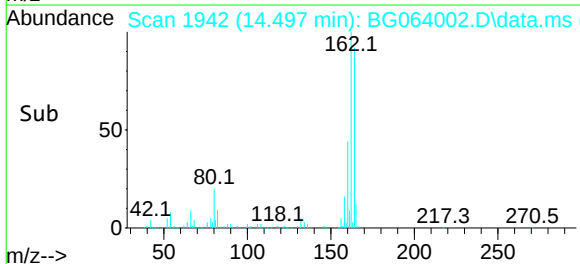
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	164	Resp:	207414
Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.3	123.5
160	47.1	35.4	53.0

Manual Integrations
APPROVED

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



#40

1,2,4,5-Tetrachlorobenzene

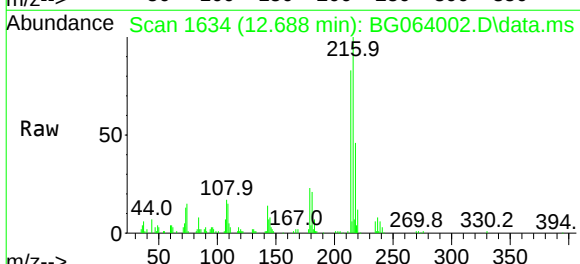
Concen: 9.097 ng

RT: 12.688 min Scan# 1634

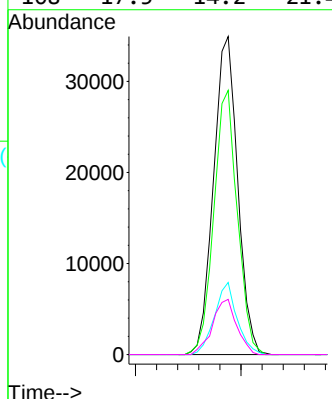
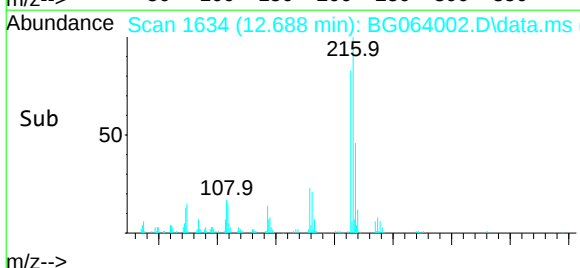
Delta R.T. -0.000 min

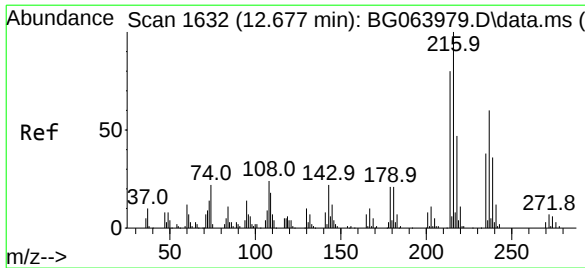
Lab File: BG064002.D

Acq: 5 Feb 2025 17:14



Tgt Ion:	216	Resp:	55640
Ion	Ratio	Lower	Upper
216	100		
214	80.6	62.9	94.3
179	21.2	16.6	25.0
108	17.5	14.2	21.4





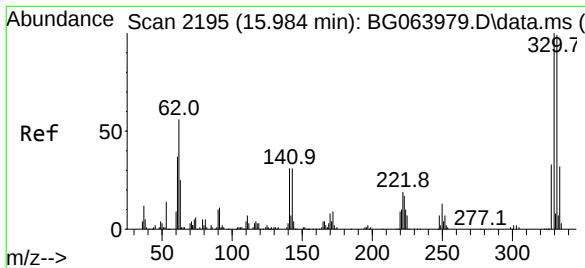
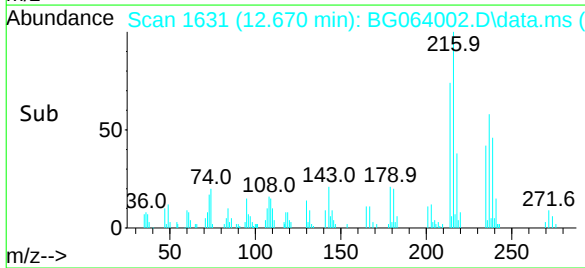
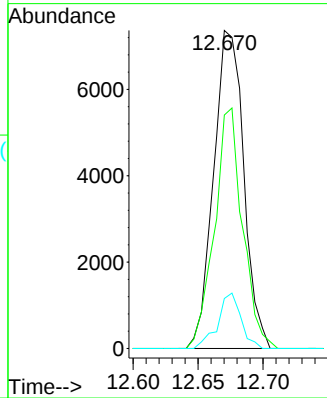
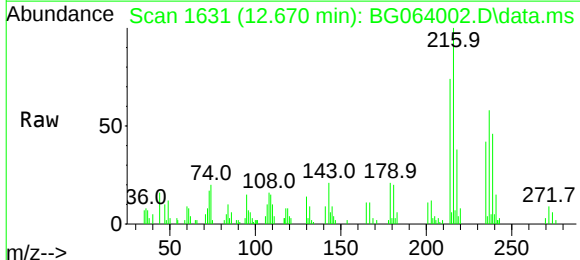
#41
Hexachlorocyclopentadiene
Concen: 7.662 ng
RT: 12.670 min Scan# 1632
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

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

Tgt Ion:	237	Resp:	11861
Ion Ratio	Lower	Upper	
237	100		
235	73.4	43.8	83.8
272	15.7	0.0	32.3

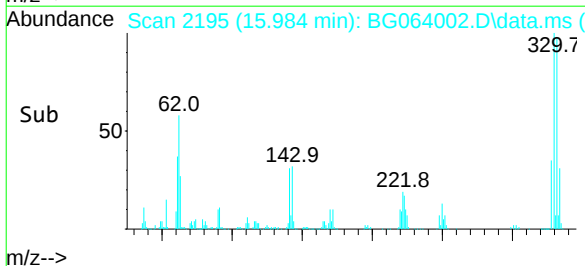
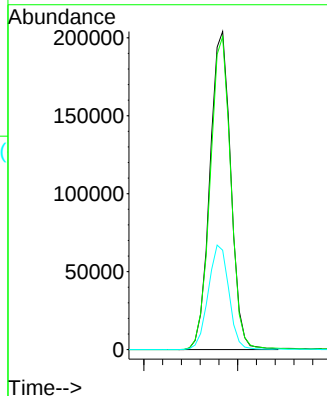
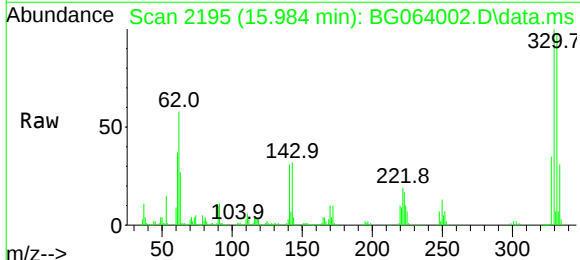
Manual Integrations
APPROVED

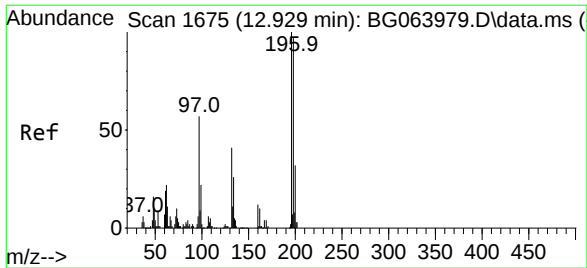
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#42
2,4,6-Tribromophenol
Concen: 131.215 ng
RT: 15.984 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

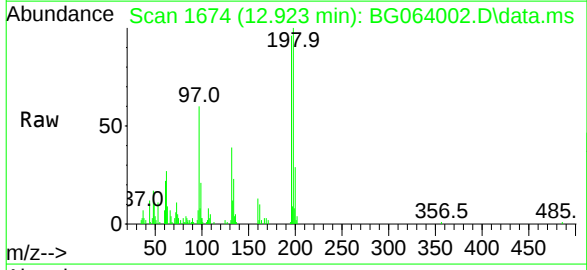
Tgt Ion:	330	Resp:	314830
Ion Ratio	Lower	Upper	
330	100		
332	97.5	79.0	118.6
141	32.5	27.2	40.8





#43
2,4,6-Trichlorophenol
Concen: 12.127 ng
RT: 12.923 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

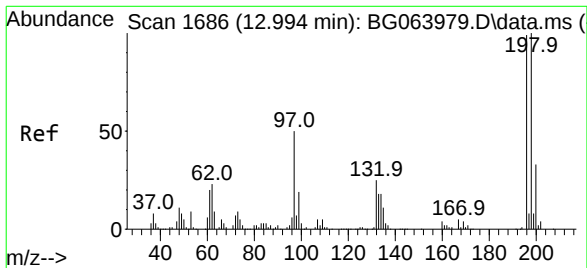
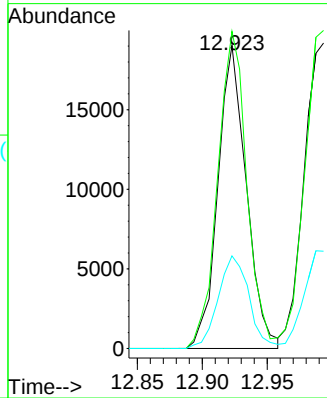
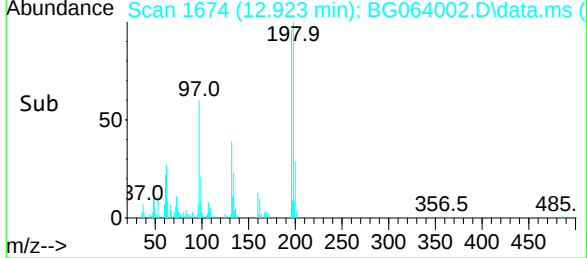
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



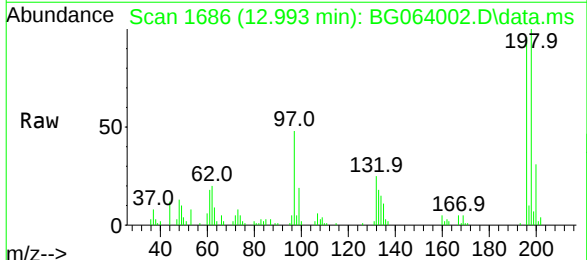
Tgt Ion:196 Resp: 28949
Ion Ratio Lower Upper
196 100
198 104.7 77.9 116.9
200 30.6 25.5 38.3

Manual Integrations
APPROVED

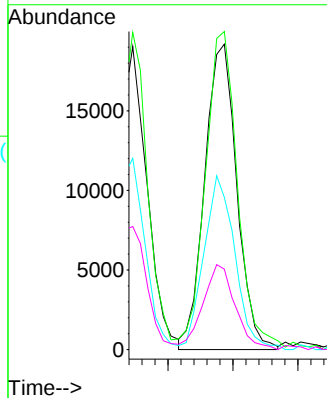
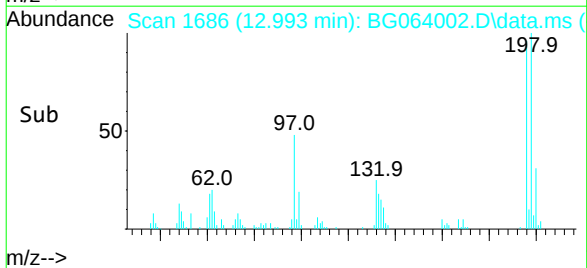
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

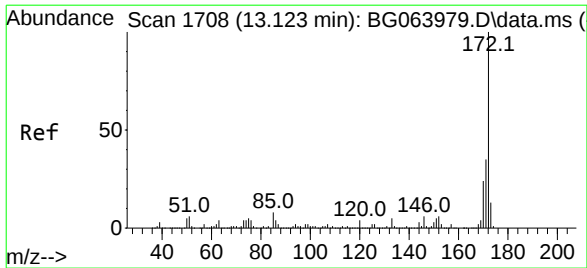


#44
2,4,5-Trichlorophenol
Concen: 11.437 ng
RT: 12.993 min Scan# 1686
Delta R.T. -0.001 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



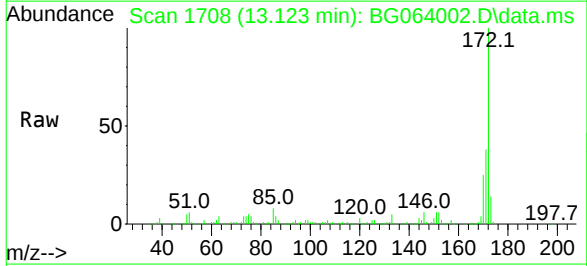
Tgt Ion:196 Resp: 33032
Ion Ratio Lower Upper
196 100
198 104.1 81.1 121.7
97 49.8 41.2 61.8
132 26.3 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 89.917 ng
RT: 13.123 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

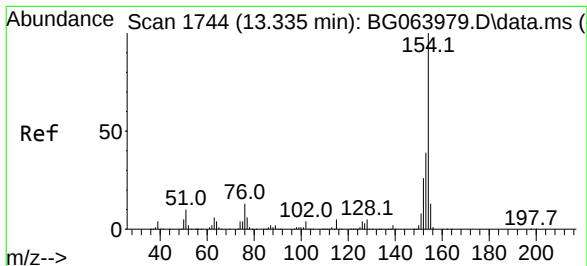
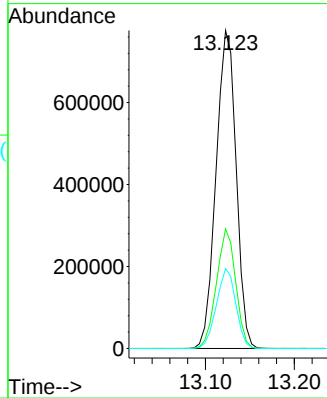
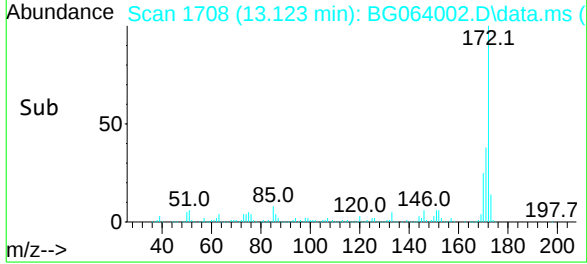
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:172 Resp: 1217258
Ion Ratio Lower Upper
172 100
171 37.6 27.8 41.6
170 25.2 19.4 29.2

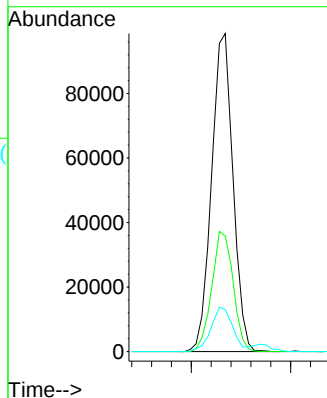
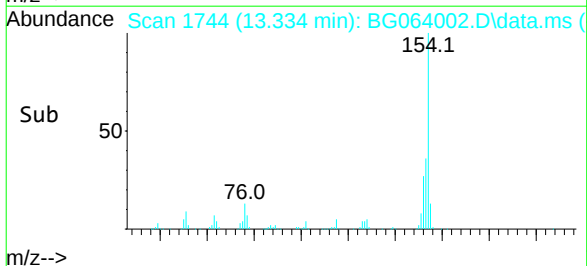
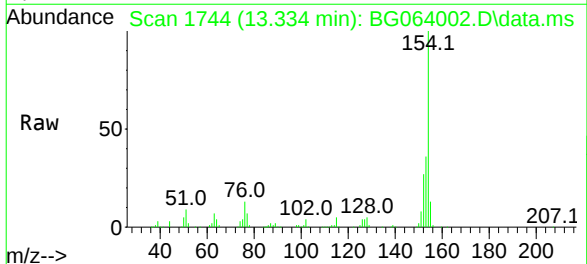
Manual Integrations
APPROVED

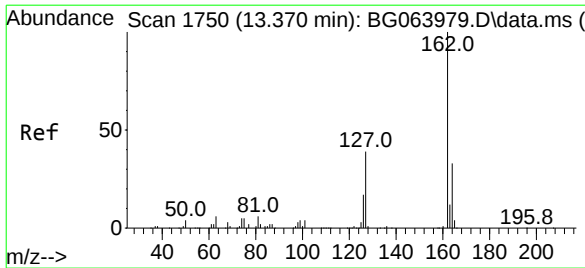
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 9.347 ng
RT: 13.334 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:154 Resp: 147603
Ion Ratio Lower Upper
154 100
153 36.3 19.3 59.3
76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 9.182 ng

RT: 13.369 min Scan# 17

Delta R.T. -0.001 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

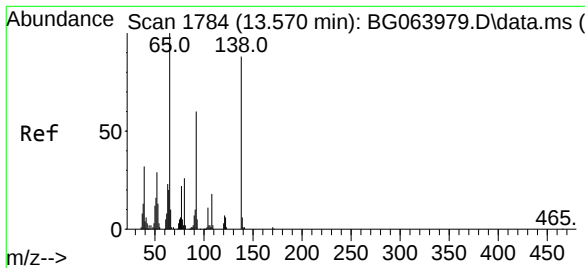
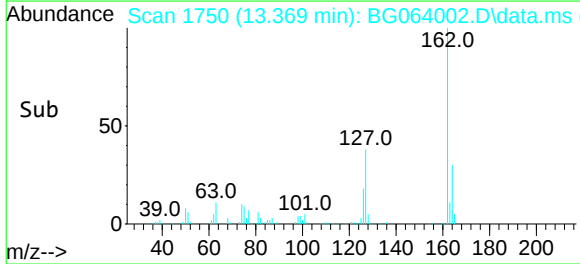
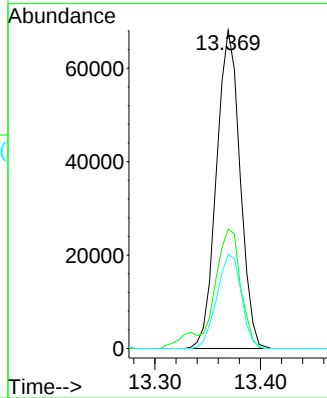
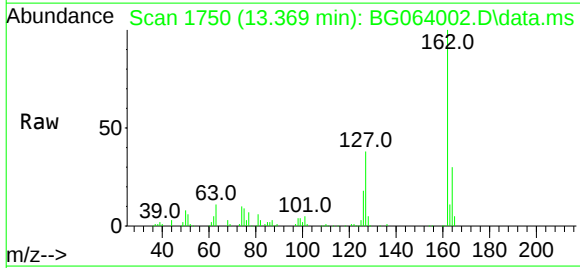
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	162	Resp:	105687
Ion	Ratio	Lower	Upper
162	100		
127	37.5	33.4	50.2
164	29.7	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: 13.988 ng

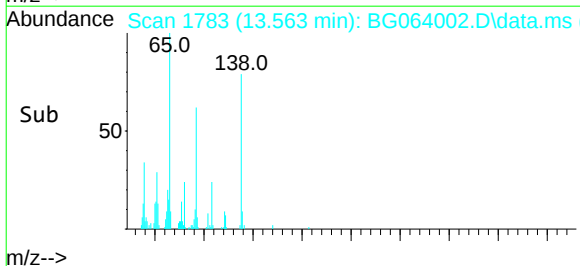
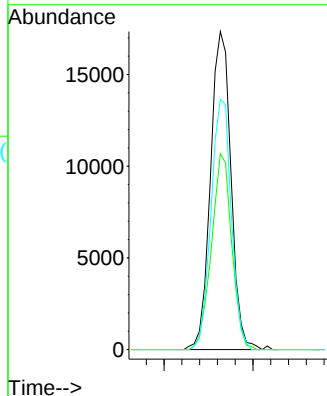
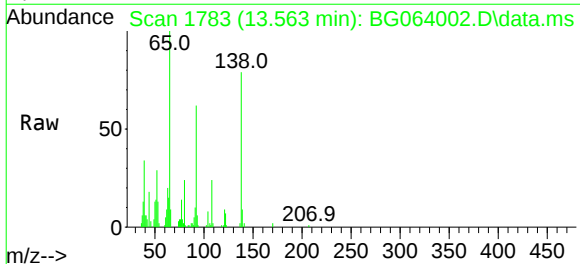
RT: 13.563 min Scan# 1783

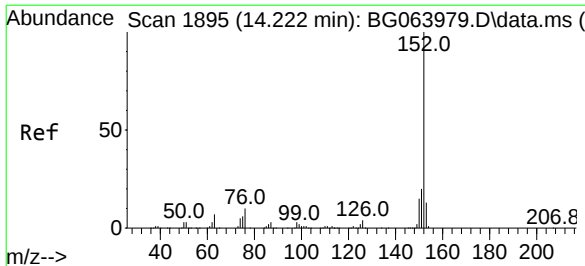
Delta R.T. -0.007 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:	65	Resp:	27740
Ion	Ratio	Lower	Upper
65	100		
92	61.6	47.6	71.4
138	78.7	70.6	106.0





#49

Acenaphthylene

Concen: 9.400 ng

RT: 14.215 min Scan# 18

Delta R.T. -0.006 min

Lab File: BG064002.D

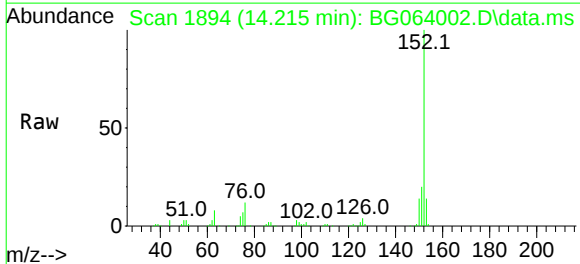
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

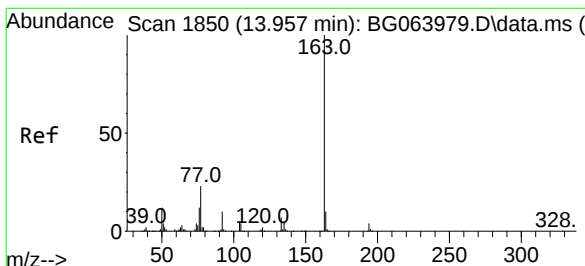
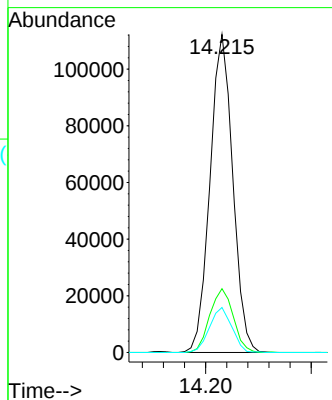
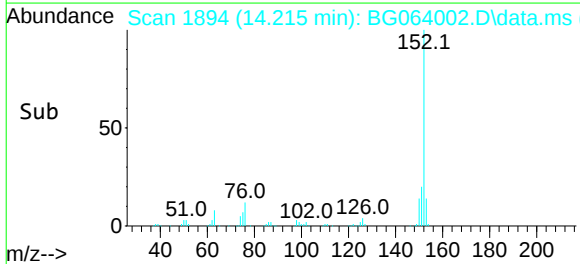
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	152	Resp:	168057
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.9	23.9
153	14.1	10.3	15.5

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



#50

Dimethylphthalate

Concen: 9.361 ng

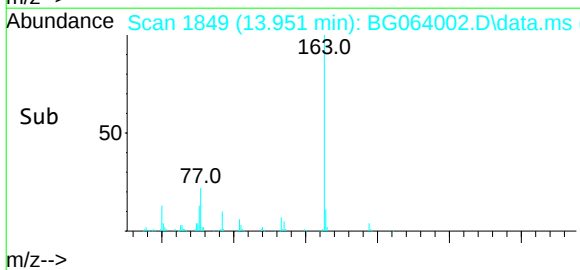
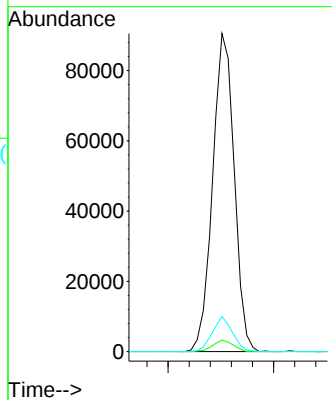
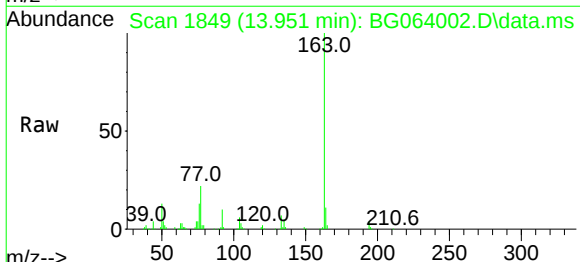
RT: 13.951 min Scan# 1849

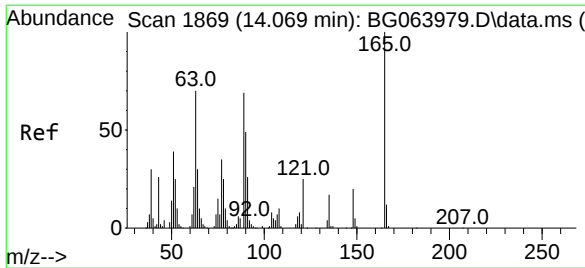
Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:	163	Resp:	128734
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.4
164	11.1	8.0	12.0





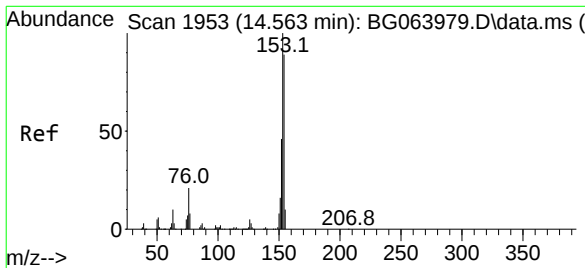
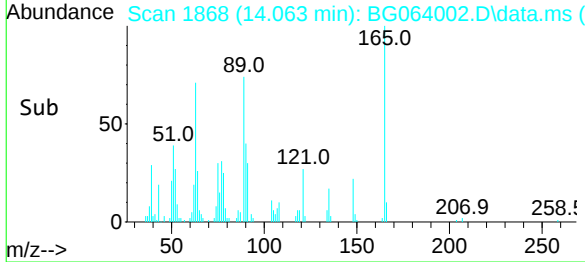
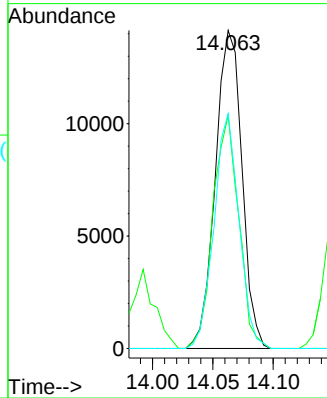
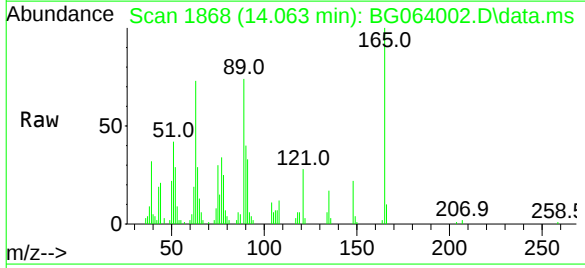
#51
2,6-Dinitrotoluene
Concen: 12.979 ng
RT: 14.063 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

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

Tgt Ion:165 Resp: 21713
Ion Ratio Lower Upper
165 100
63 73.2 57.7 86.5
89 73.8 55.6 83.4

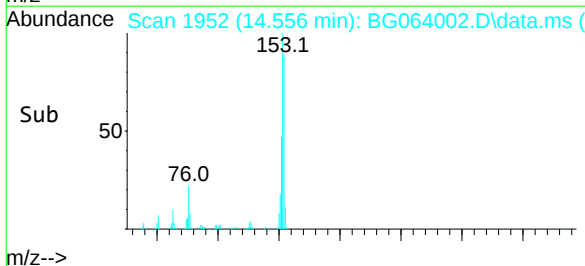
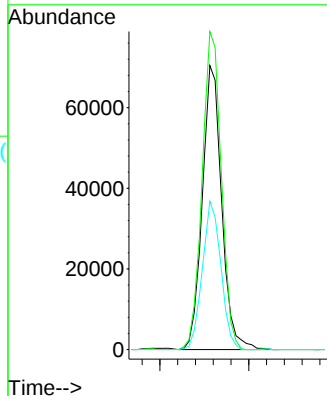
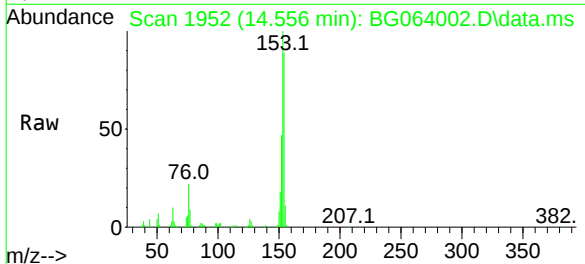
Manual Integrations
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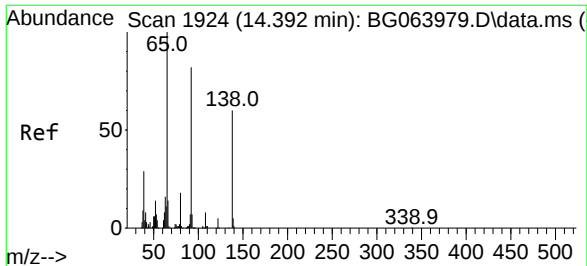
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 8.890 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

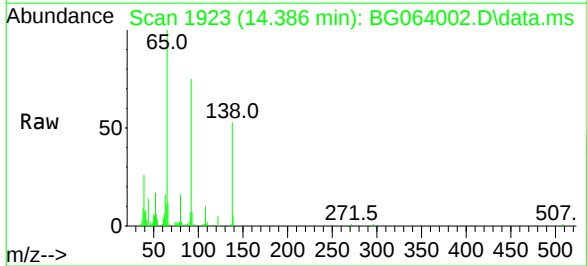
Tgt Ion:154 Resp: 106610
Ion Ratio Lower Upper
154 100
153 112.0 90.2 135.2
152 52.2 41.1 61.7





#53
3-Nitroaniline
Concen: 11.864 ng
RT: 14.386 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

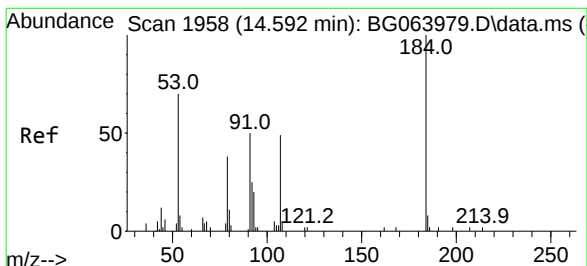
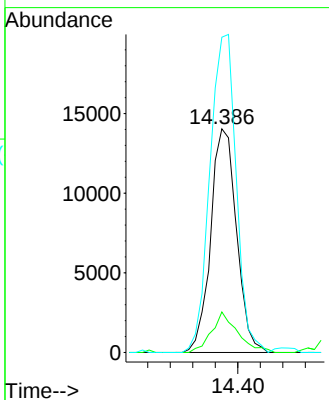
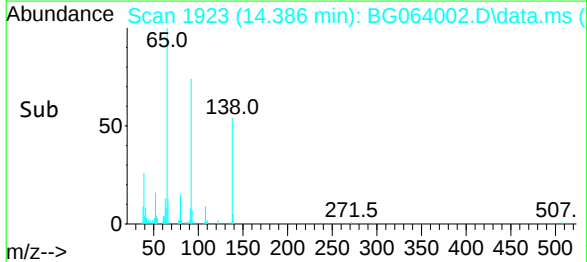
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:138 Resp: 22395
Ion Ratio Lower Upper
138 100
108 18.1 10.3 15.5#
92 141.0 109.0 163.4

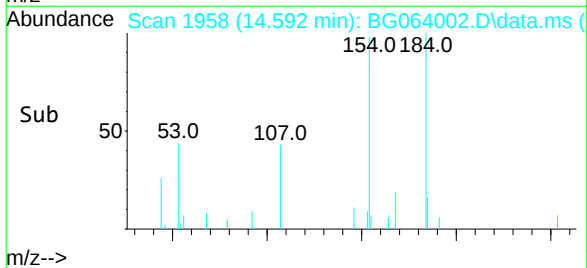
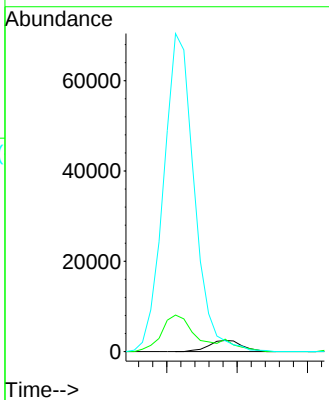
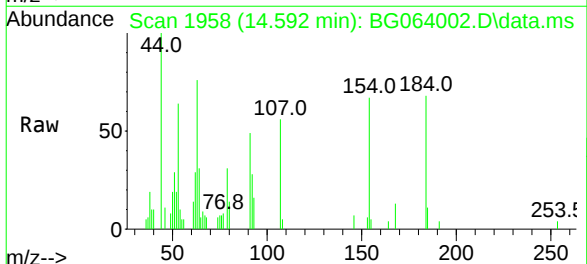
Manual Integrations
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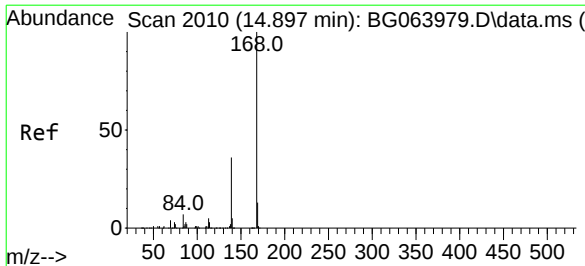
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 12.170 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:184 Resp: 4035
Ion Ratio Lower Upper
184 100
63 112.3 67.3 100.9#
154 98.4 65.9 98.9





#55

Dibenzenofuran

Concen: 8.694 ng

RT: 14.891 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BG064002.D

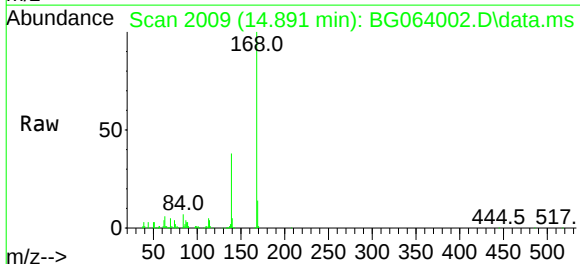
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

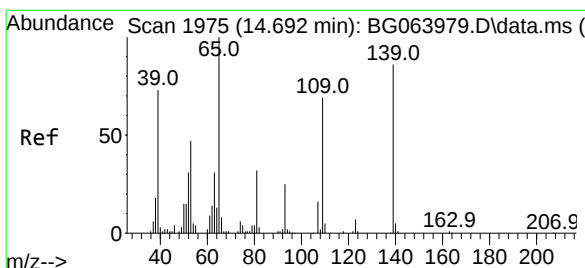
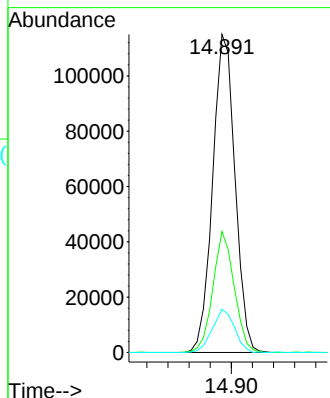
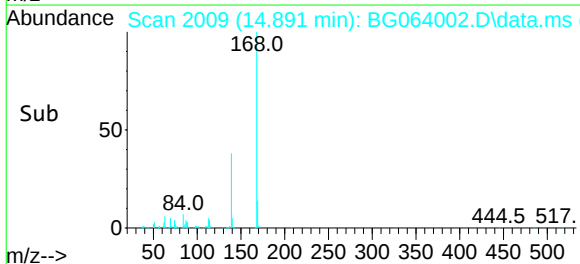
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	168	Resp:	169296
Ion Ratio	Lower	Upper	
168	100		
139	38.0	28.6	43.0
169	13.6	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: 14.337 ng

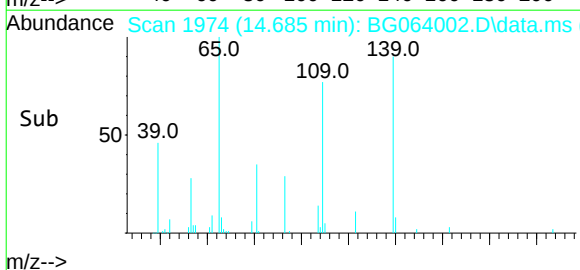
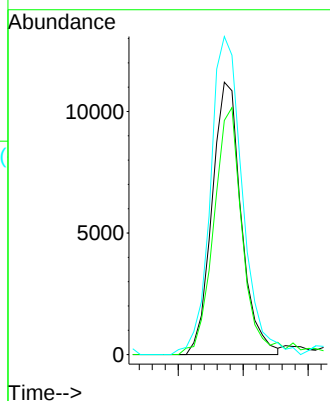
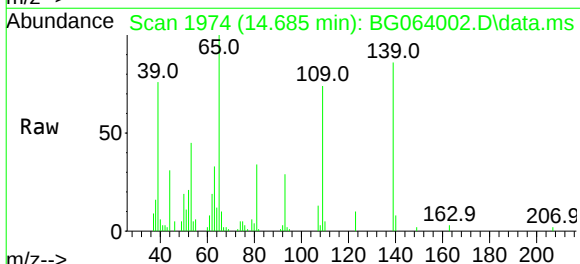
RT: 14.685 min Scan# 1974

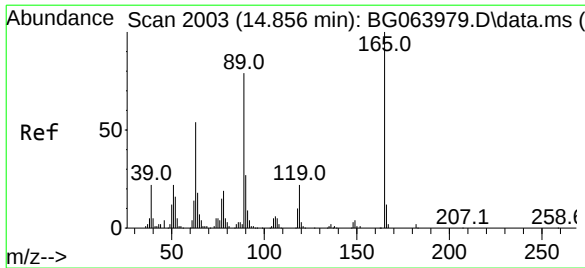
Delta R.T. -0.007 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

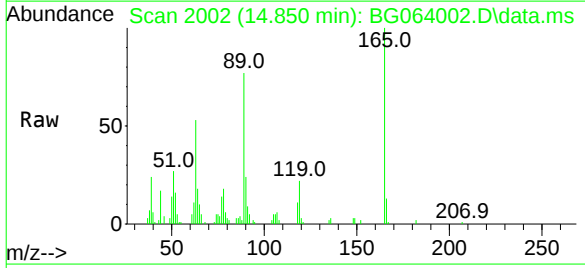
Tgt Ion:	139	Resp:	17550
Ion Ratio	Lower	Upper	
139	100		
109	86.0	60.1	100.1
65	116.7	96.2	136.2





#57
2,4-Dinitrotoluene
Concen: 12.874 ng
RT: 14.850 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

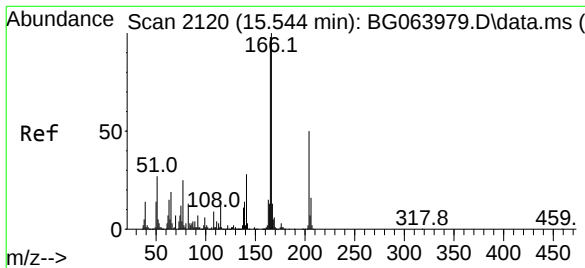
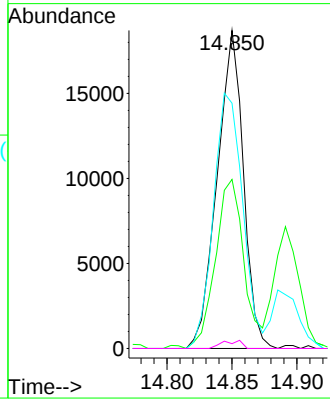
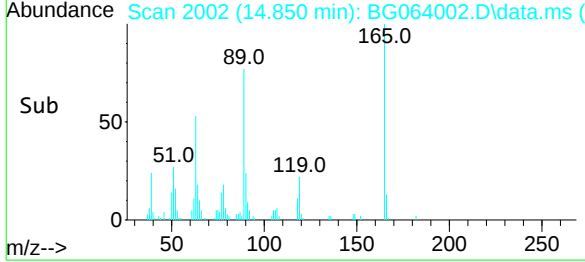
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:165 Resp: 26237
Ion Ratio Lower Upper
165 100
63 53.1 43.6 65.4
89 77.1 63.1 94.7
182 1.5 1.4 2.0

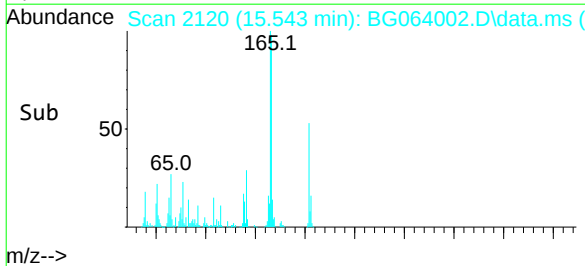
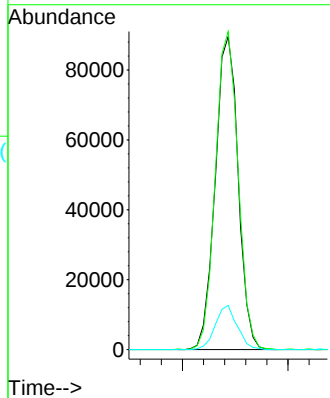
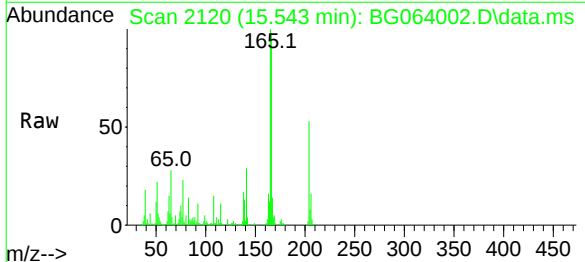
Manual Integrations
APPROVED

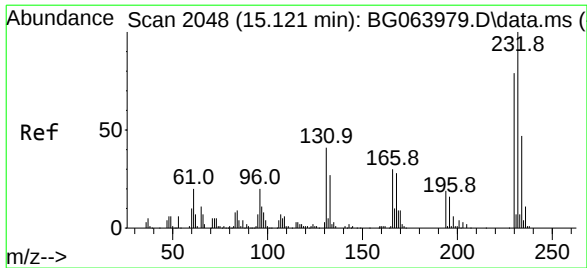
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 8.956 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

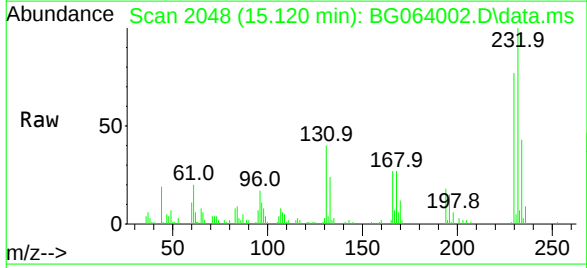
Tgt Ion:166 Resp: 134789
Ion Ratio Lower Upper
166 100
165 101.7 78.7 118.1
167 14.1 10.1 15.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 12.468 ng
RT: 15.120 min Scan# 2048
Delta R.T. -0.001 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

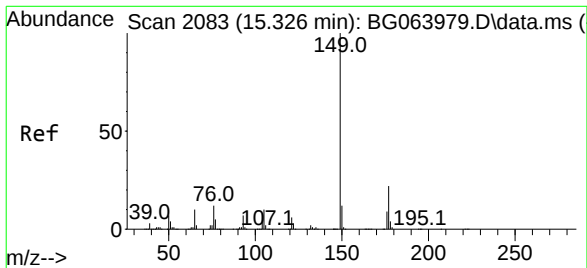
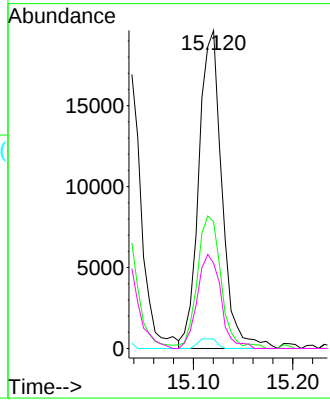
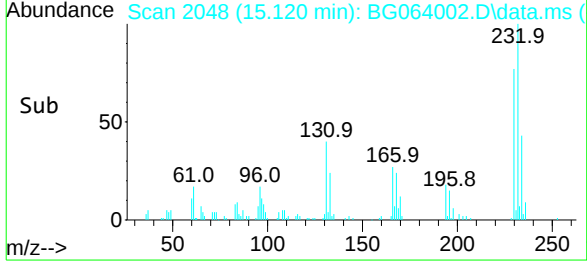
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



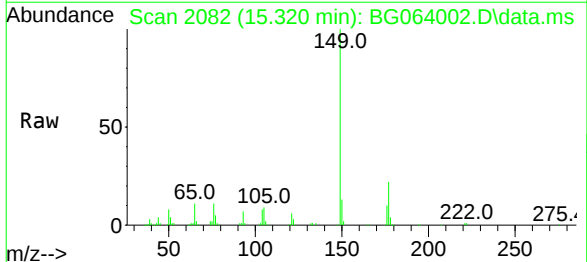
Tgt Ion: 232 Resp: 31783
Ion Ratio Lower Upper
232 100
131 42.8 34.0 51.0
130 2.5 2.2 3.4
166 30.0 24.1 36.1

Manual Integrations
APPROVED

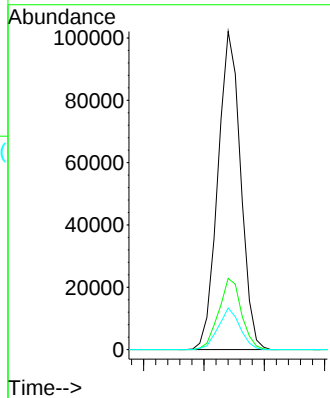
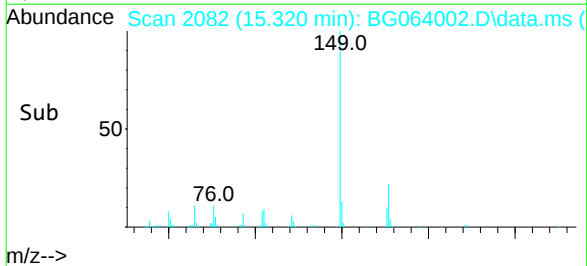
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

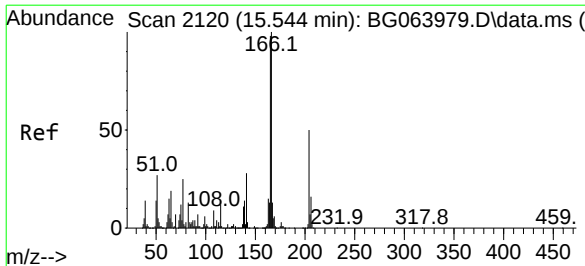


#60
Diethylphthalate
Concen: 9.179 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



Tgt Ion: 149 Resp: 133839
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 13.1 9.7 14.5





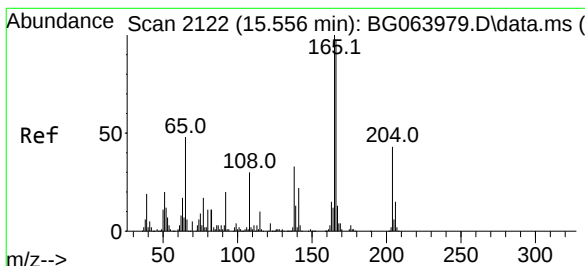
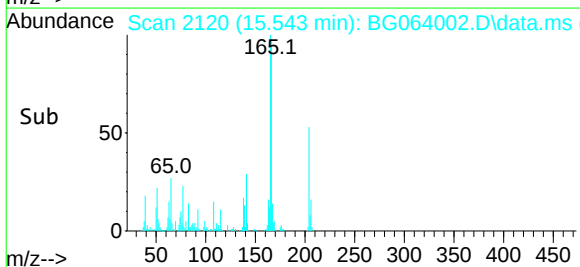
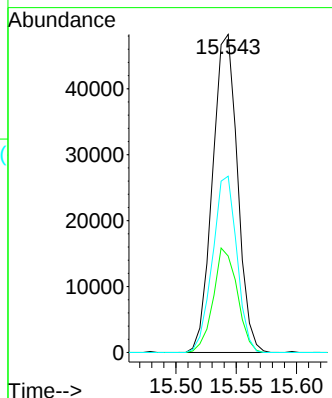
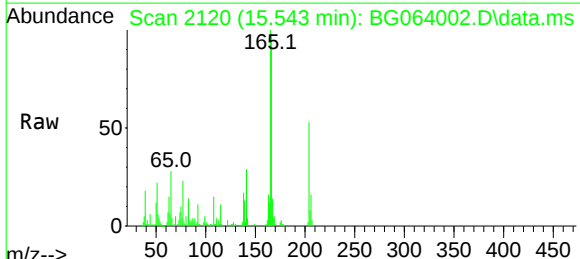
#61
4-Chlorophenyl-phenylether
Concen: 9.204 ng
RT: 15.543 min Scan# 211
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

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

Tgt Ion:204 Resp: 69506
Ion Ratio Lower Upper
204 100
206 30.3 25.8 38.6
141 55.4 44.6 67.0

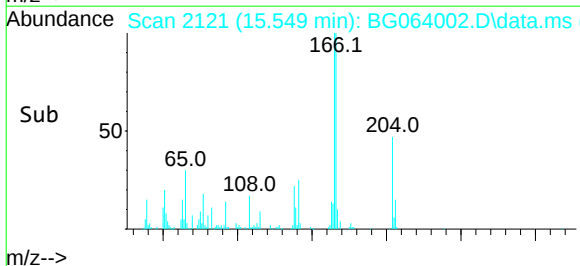
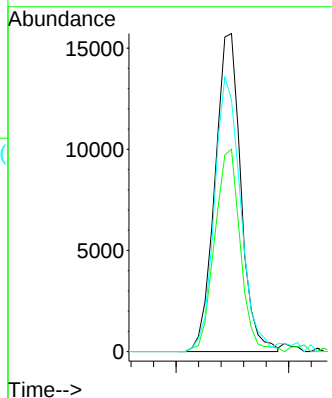
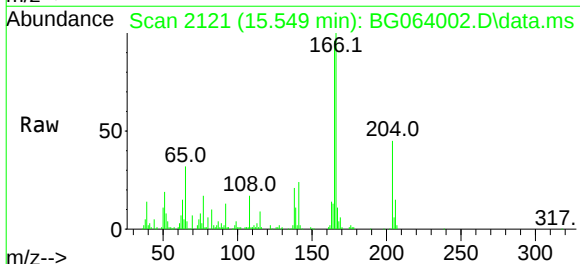
Manual Integrations
APPROVED

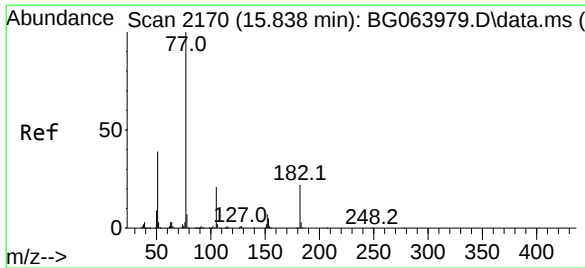
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 11.034 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

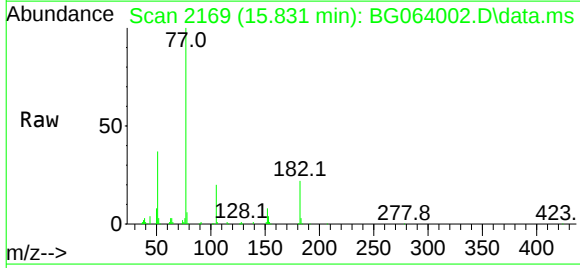
Tgt Ion:138 Resp: 25160
Ion Ratio Lower Upper
138 100
92 63.6 40.3 80.3
108 79.2 69.3 109.3





#63
Azobenzene
Concen: 8.565 ng
RT: 15.831 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

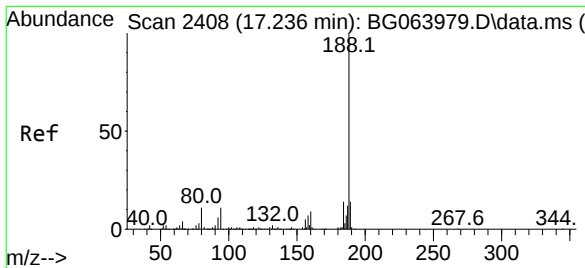
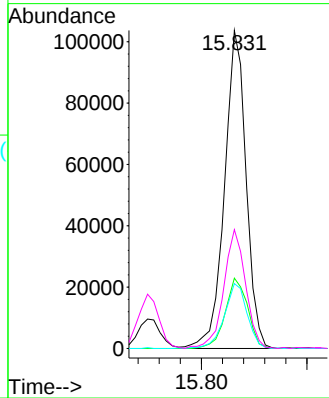
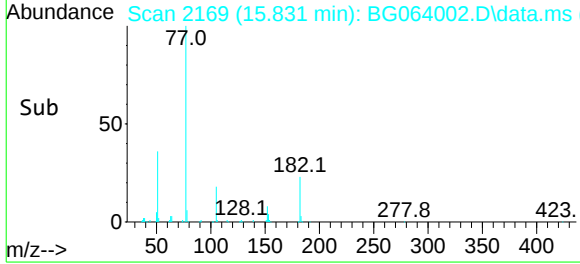
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 147512
Ion Ratio Lower Upper
77 100
182 22.1 2.3 42.3
105 20.4 1.0 41.0
51 37.4 19.0 59.0

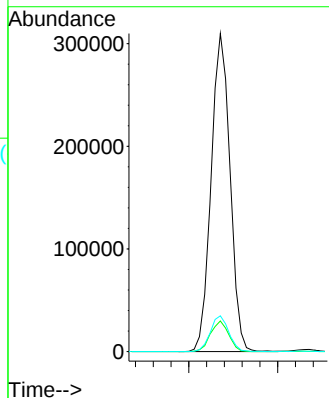
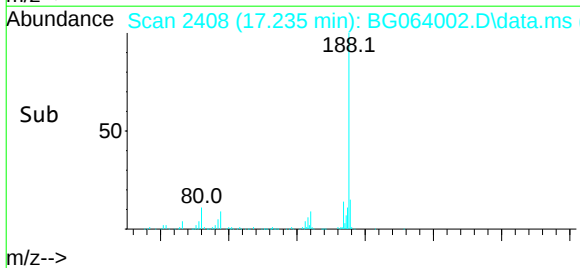
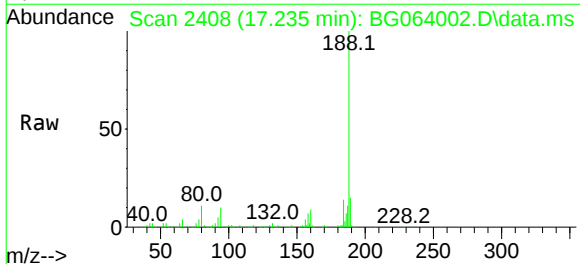
Manual Integrations
APPROVED

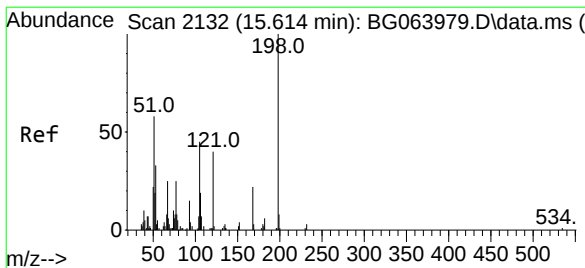
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

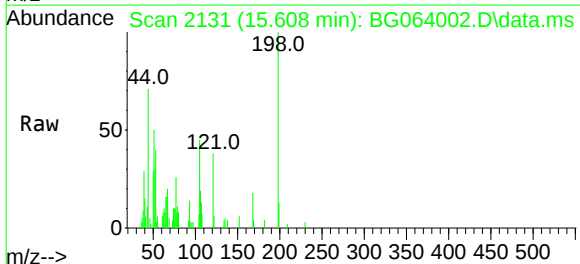
Tgt Ion:188 Resp: 458251
Ion Ratio Lower Upper
188 100
94 9.6 8.6 13.0
80 11.2 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 14.036 ng
RT: 15.608 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

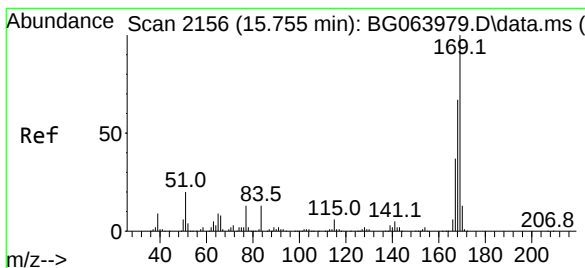
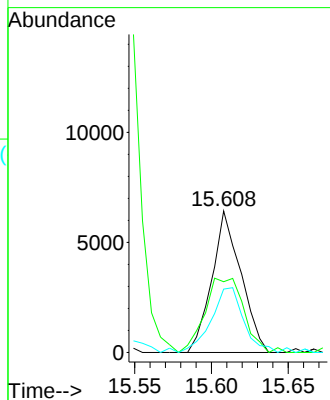
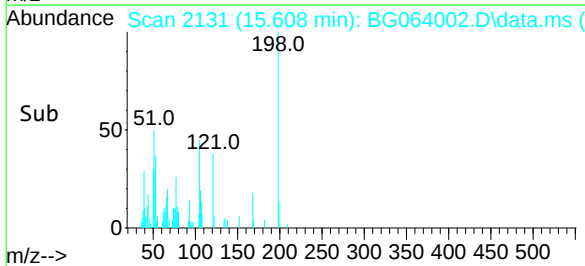
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



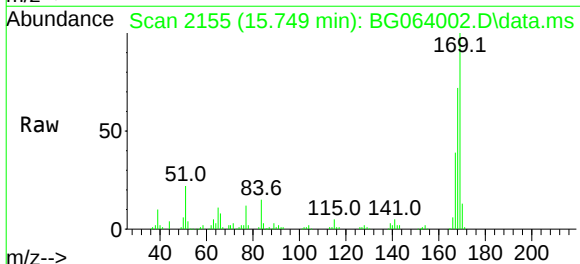
Tgt Ion:198 Resp: 8470
Ion Ratio Lower Upper
198 100
51 50.0 45.4 85.4
105 44.8 27.7 67.7

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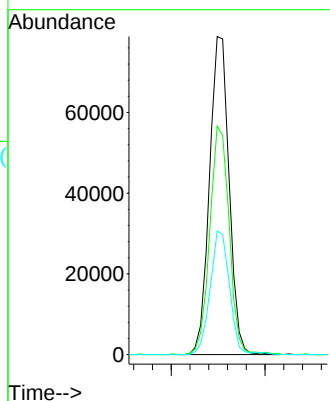
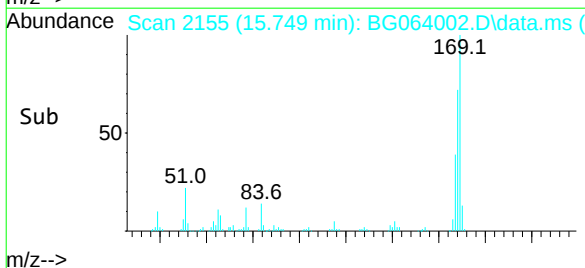
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

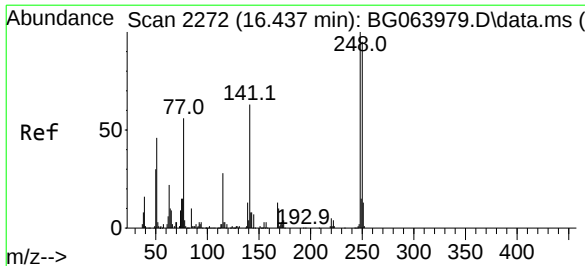


#66
n-Nitrosodiphenylamine
Concen: 9.011 ng
RT: 15.749 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



Tgt Ion:169 Resp: 114488
Ion Ratio Lower Upper
169 100
168 71.8 53.5 80.3
167 38.9 30.0 45.0





#67

4-Bromophenyl-phenylether

Concen: 9.244 ng

RT: 16.436 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

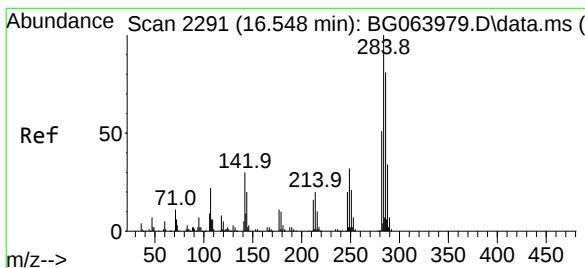
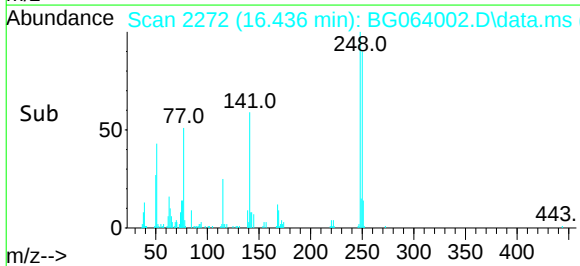
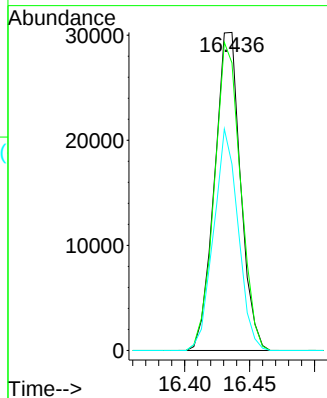
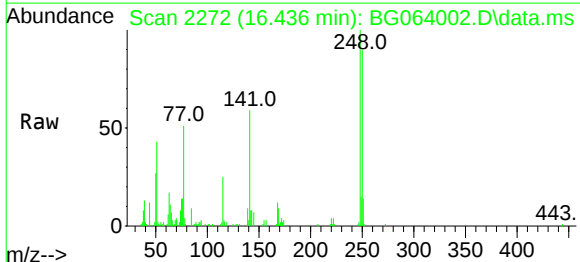
Tgt Ion:	248	Resp:	42162
Ion	Ratio	Lower	Upper
248	100		
250	90.4	76.2	114.4
141	58.6	50.6	75.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#68

Hexachlorobenzene

Concen: 9.141 ng

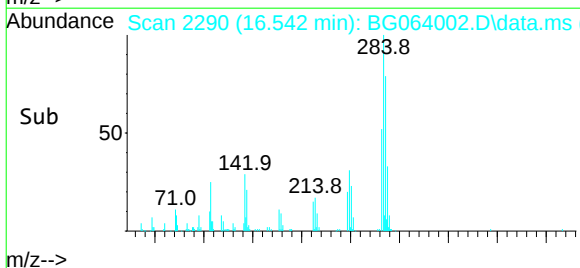
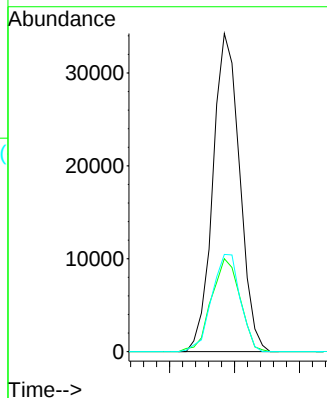
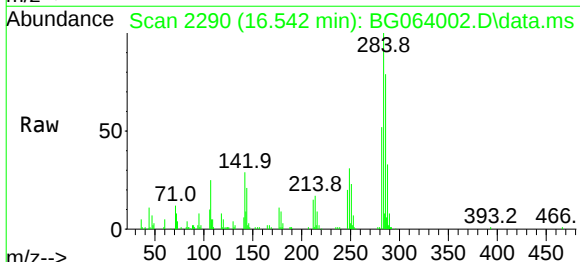
RT: 16.542 min Scan# 2290

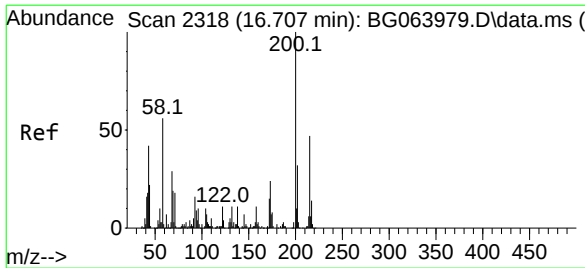
Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:	284	Resp:	49017
Ion	Ratio	Lower	Upper
284	100		
142	29.2	23.8	35.8
249	30.5	25.9	38.9





#69

Atrazine

Concen: 10.005 ng

RT: 16.701 min Scan# 2318

Delta R.T. -0.006 min

Lab File: BG064002.D

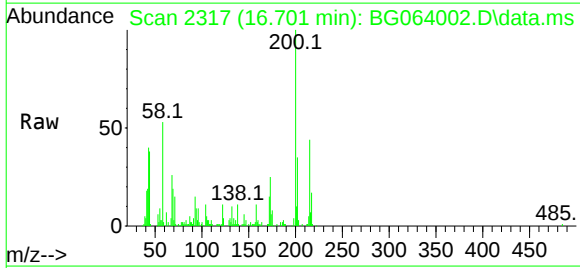
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:200 Resp: 42304

Ion Ratio Lower Upper

200 100

173 25.1 3.8 43.8

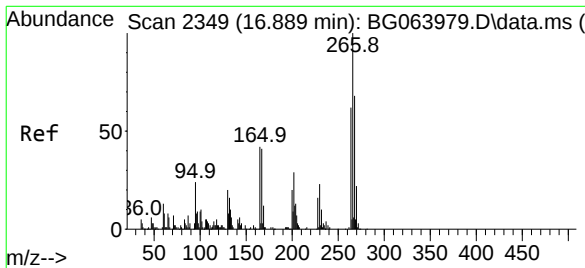
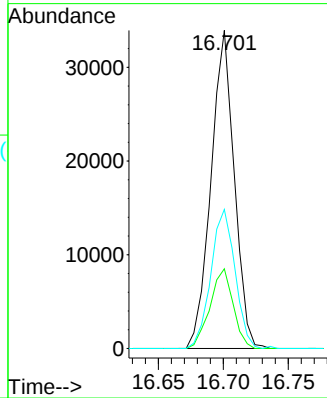
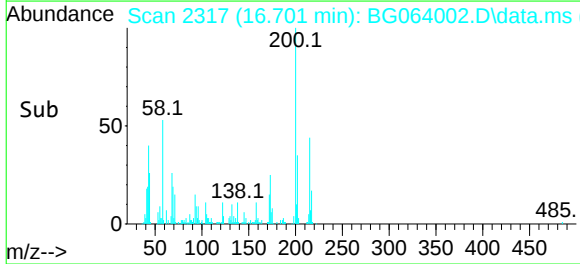
215 43.7 26.6 66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 14.143 ng

RT: 16.883 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

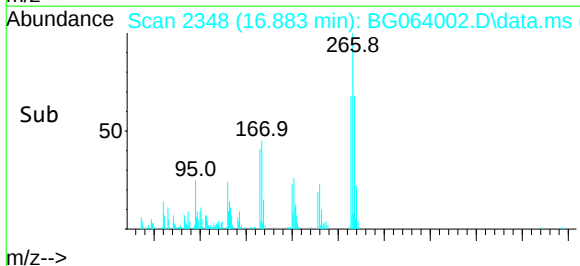
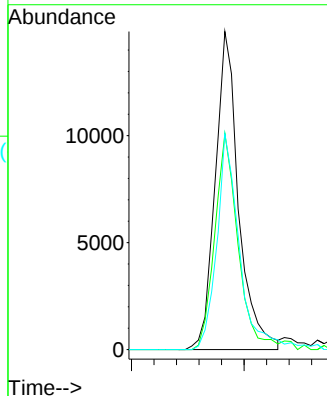
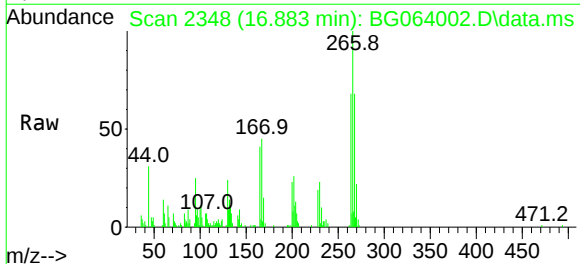
Tgt Ion:266 Resp: 21434

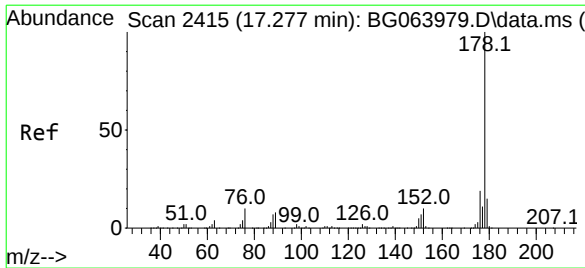
Ion Ratio Lower Upper

266 100

268 67.9 54.8 82.2

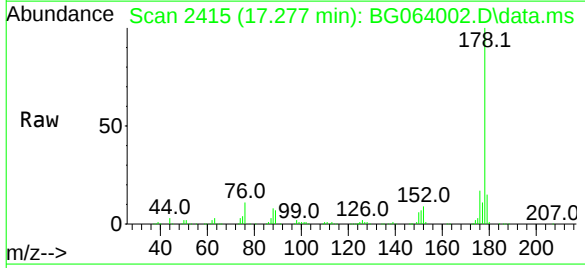
264 67.9 50.0 75.0





#71
Phenanthrene
Concen: 9.226 ng
RT: 17.277 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

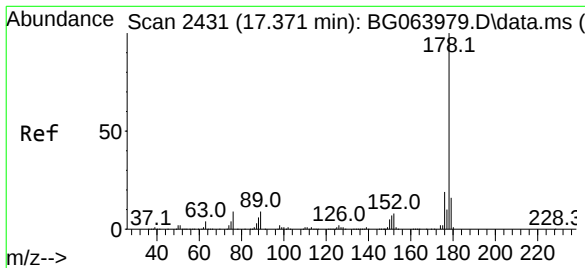
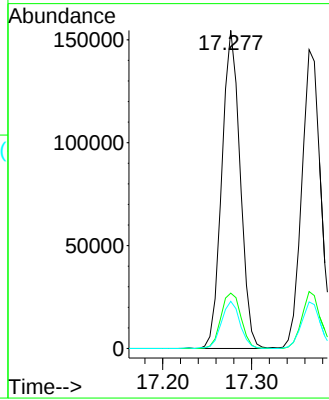
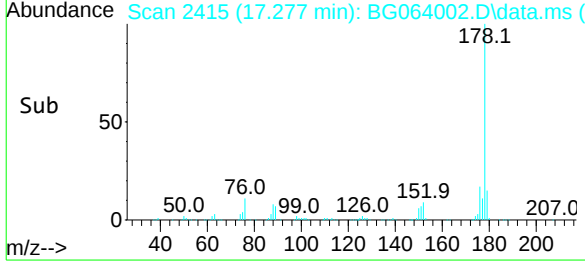
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



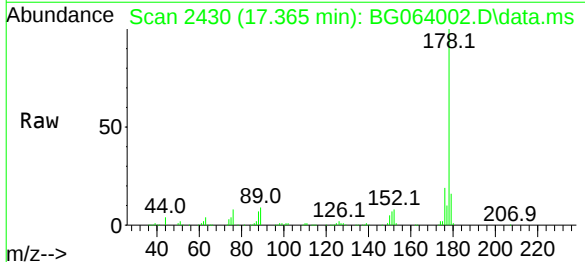
Tgt Ion:	178	Resp:	222058
Ion Ratio	Lower	Upper	
178	100		
176	17.4	15.5	23.3
179	14.8	12.2	18.4

Manual Integrations
APPROVED

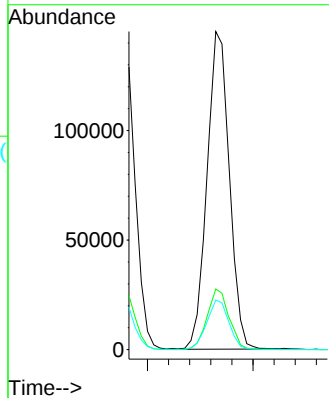
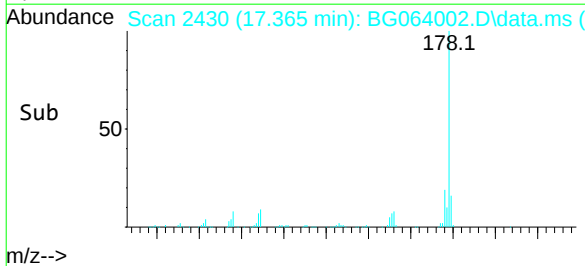
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

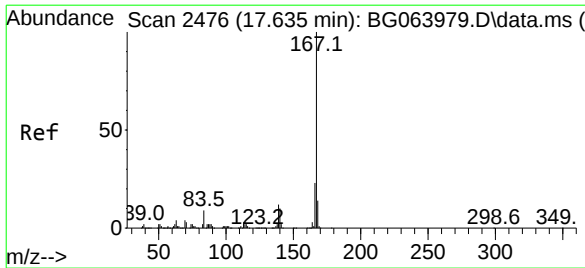


#72
Anthracene
Concen: 8.842 ng
RT: 17.365 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14



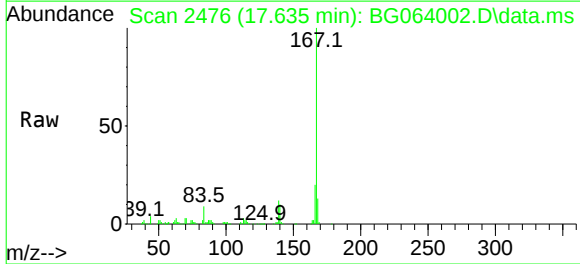
Tgt Ion:	178	Resp:	212944
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.0	22.4
179	15.6	12.8	19.2





#73
 Carbazole
 Concen: 9.029 ng
 RT: 17.635 min Scan# 2476
 Delta R.T. -0.000 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

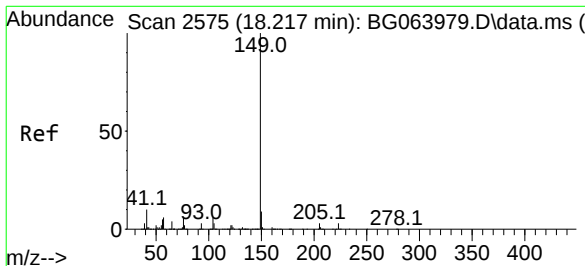
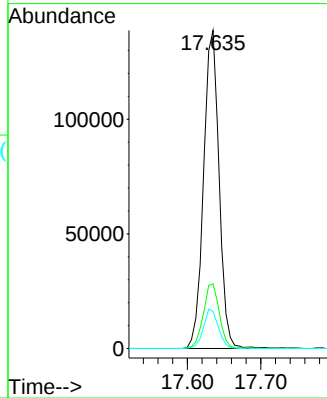
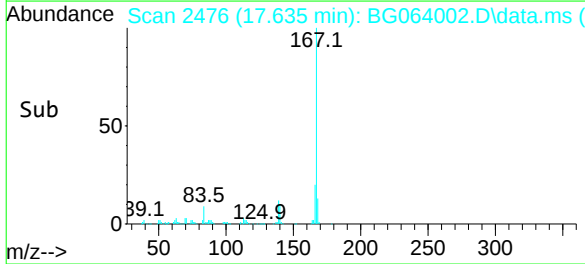
Instrument : BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:167 Resp: 203554
 Ion Ratio Lower Upper
 167 100
 166 20.3 18.6 28.0
 139 11.6 9.8 14.8

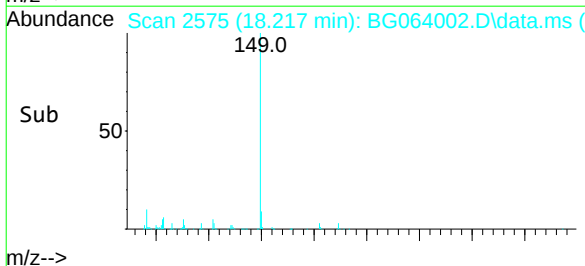
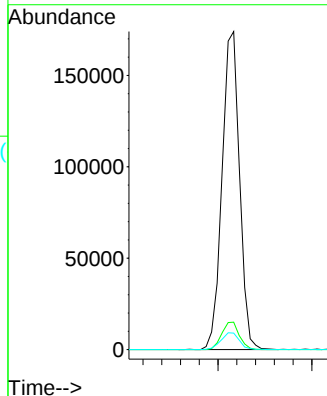
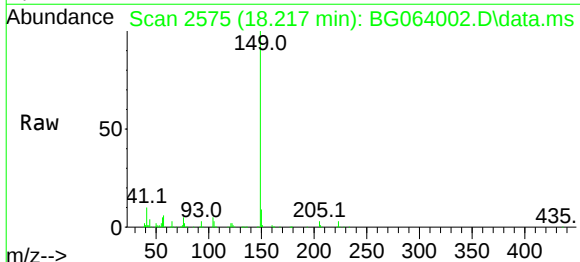
Manual Integrations
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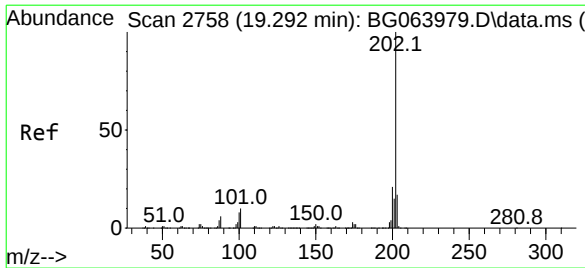
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#74
 Di-n-butylphthalate
 Concen: 9.576 ng
 RT: 18.217 min Scan# 2575
 Delta R.T. -0.000 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

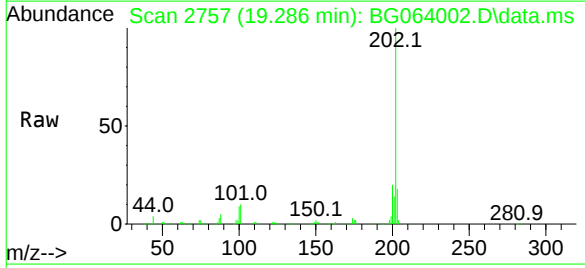
Tgt Ion:149 Resp: 225037
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.4 11.0
 104 5.2 4.6 6.8





#75
 Fluoranthene
 Concen: 8.888 ng
 RT: 19.286 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

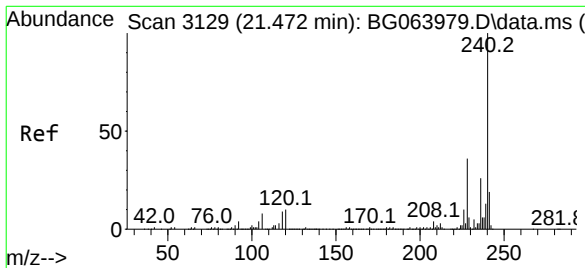
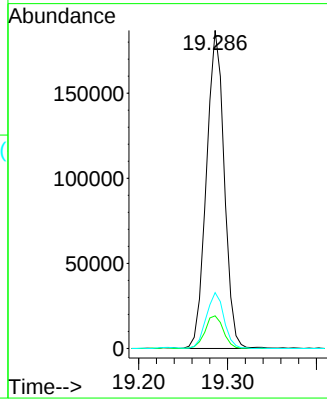
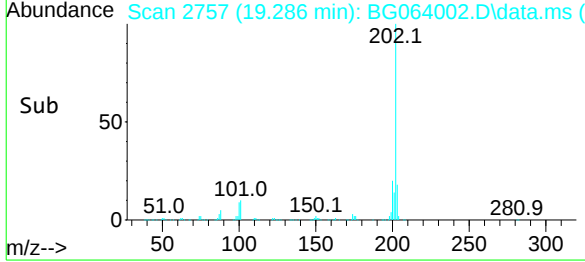
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	202	Resp:	260499
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.4
203	17.6	0.0	37.0

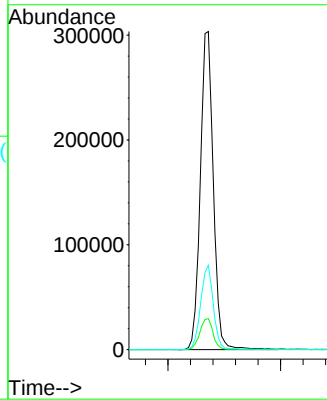
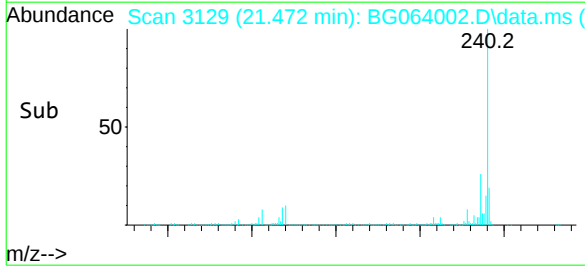
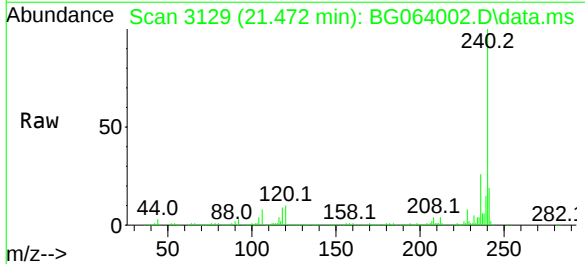
Manual Integrations
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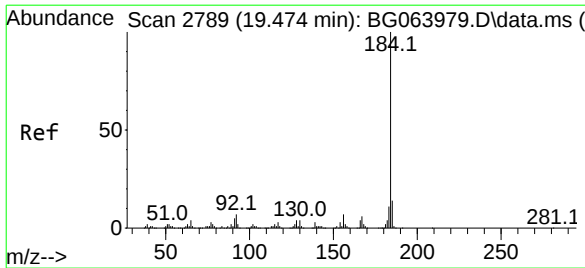
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.472 min Scan# 3129
 Delta R.T. -0.000 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

Tgt Ion:	240	Resp:	485922
Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.9	11.9
236	26.5	21.0	31.6





#77

Benzidine

Concen: 7.892 ng

RT: 19.468 min Scan# 2788

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:184 Resp: 81666

Ion Ratio Lower Upper

184 100

185 16.9 11.2 16.8#

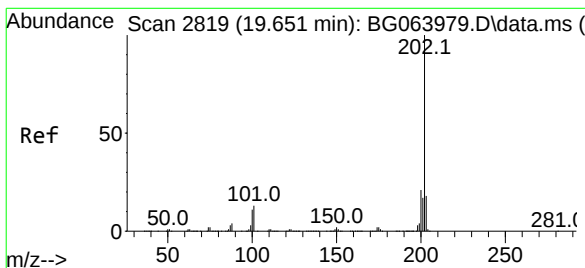
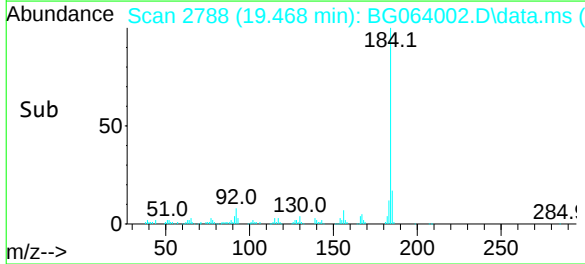
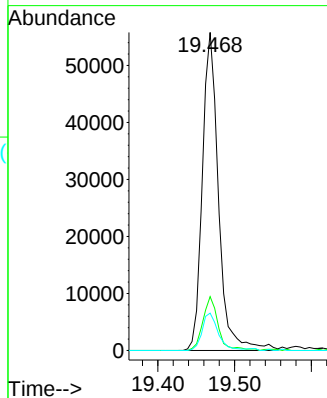
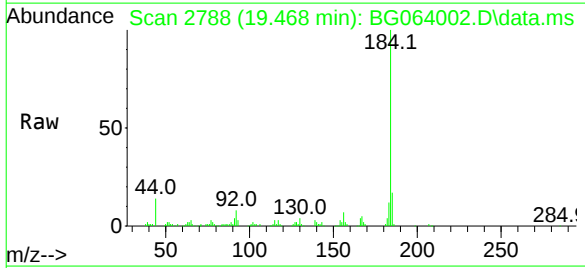
183 11.7 8.7 13.1

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 9.359 ng

RT: 19.644 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

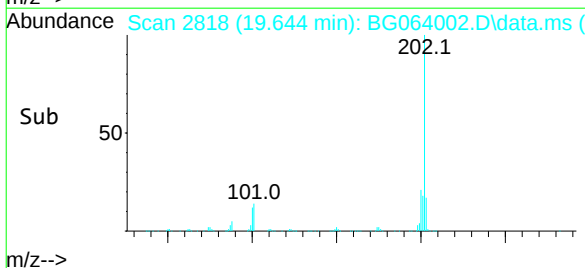
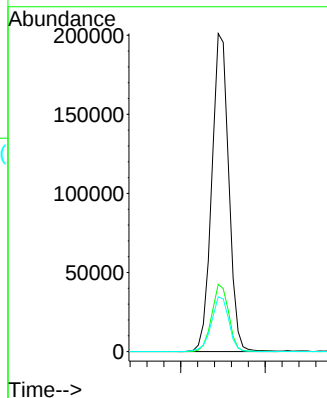
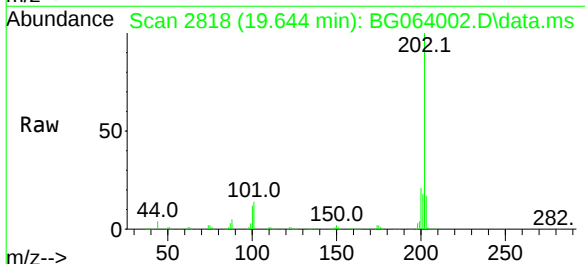
Tgt Ion:202 Resp: 280764

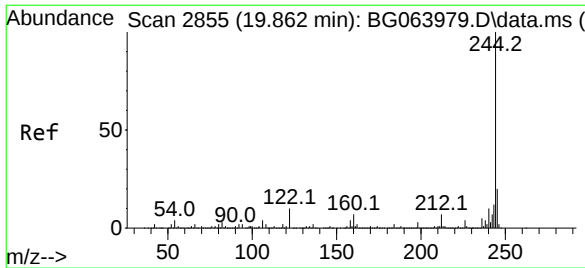
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

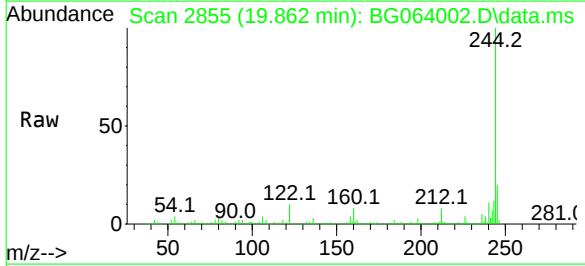
203 17.2 14.5 21.7





#79
 Terphenyl-d14
 Concen: 89.149 ng
 RT: 19.862 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14

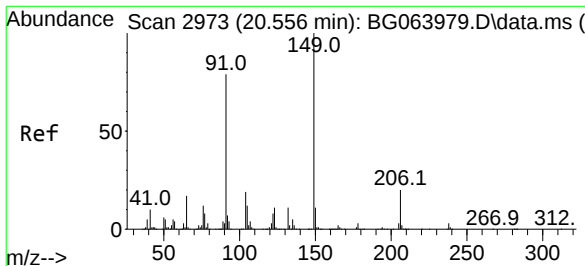
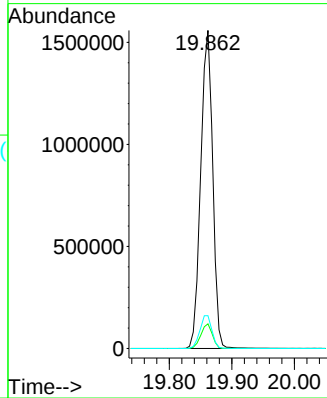
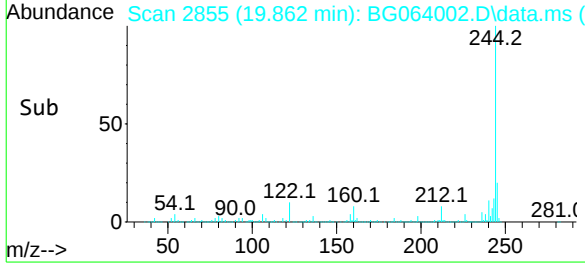
Instrument : BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



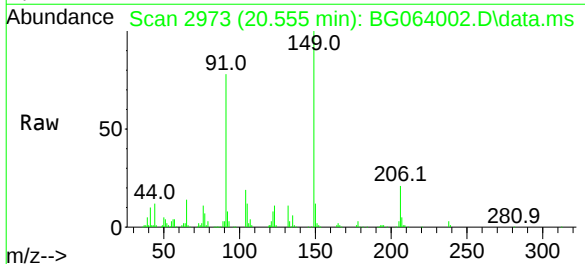
Tgt Ion:244 Resp: 2074225
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 10.3 7.7 11.5

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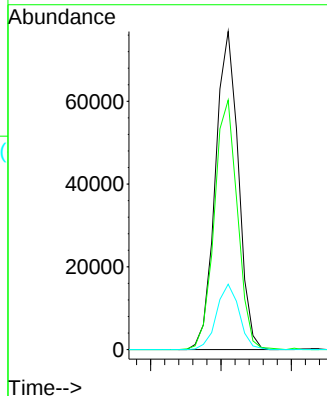
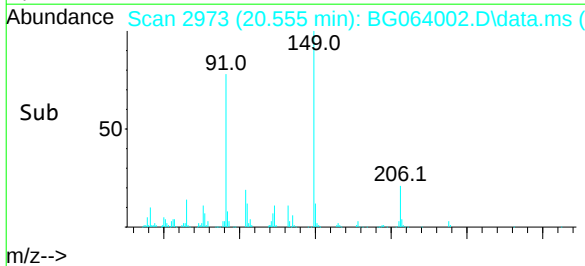
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

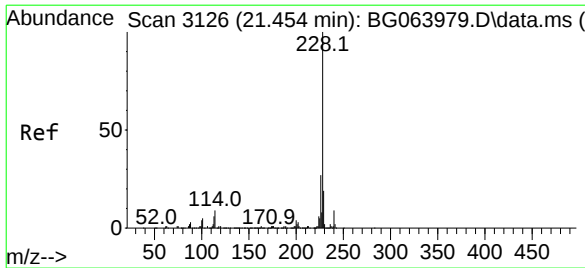


#80
 Butylbenzylphthalate
 Concen: 12.916 ng
 RT: 20.555 min Scan# 2973
 Delta R.T. -0.001 min
 Lab File: BG064002.D
 Acq: 5 Feb 2025 17:14



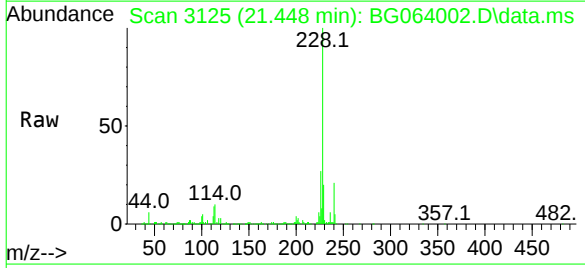
Tgt Ion:149 Resp: 87181
 Ion Ratio Lower Upper
 149 100
 91 78.4 63.0 94.6
 206 20.6 15.8 23.6





#81
Benzo(a)anthracene
Concen: 9.503 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

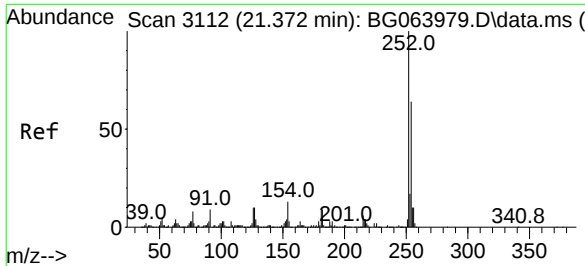
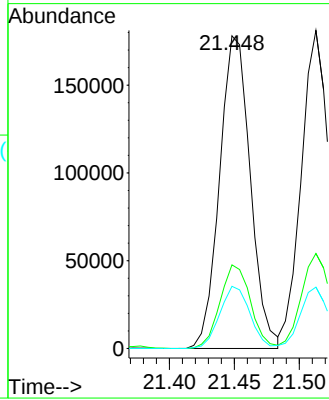
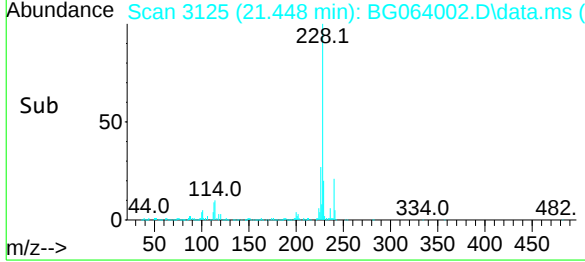
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:228 Resp: 293186
Ion Ratio Lower Upper
228 100
226 26.7 21.8 32.6
229 19.9 15.5 23.3

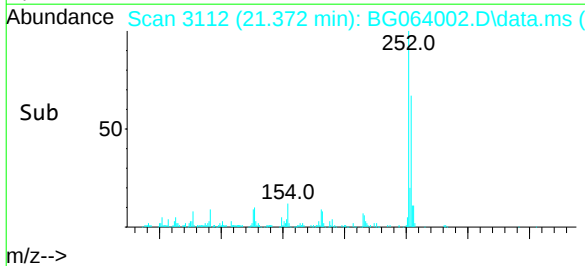
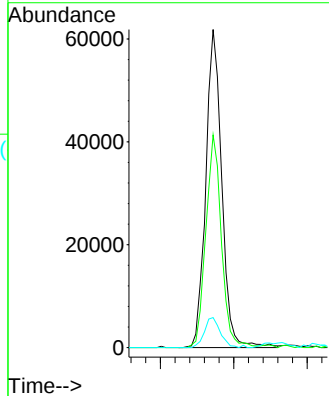
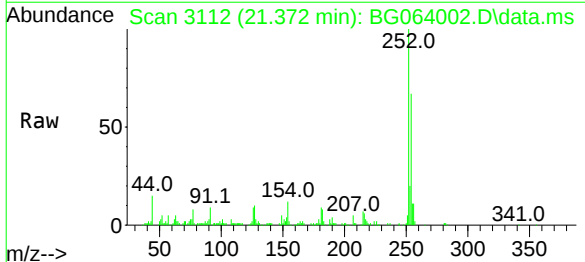
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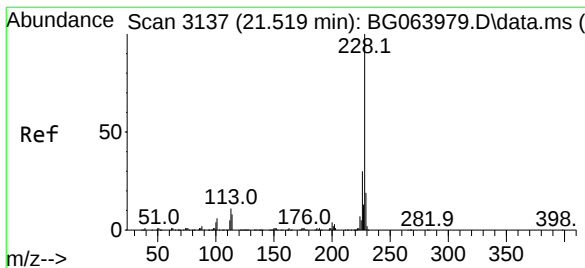
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 9.749 ng
RT: 21.372 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:252 Resp: 93672
Ion Ratio Lower Upper
252 100
254 66.9 50.8 76.2
126 9.4 8.2 12.2





#83

Chrysene

Concen: 9.118 ng

RT: 21.513 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

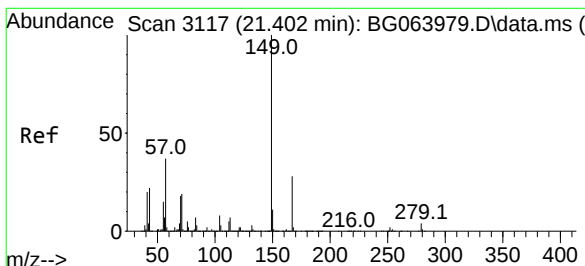
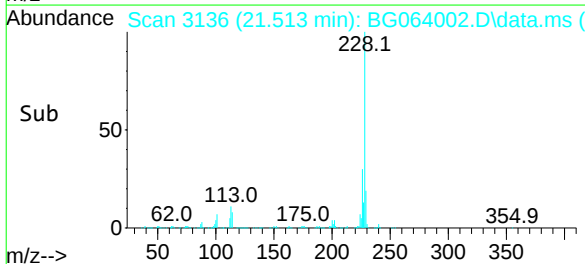
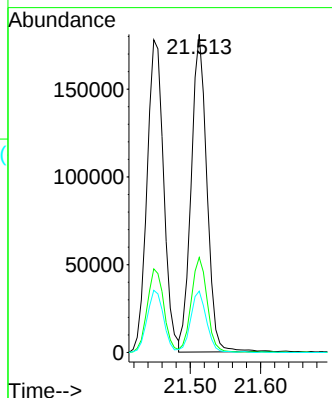
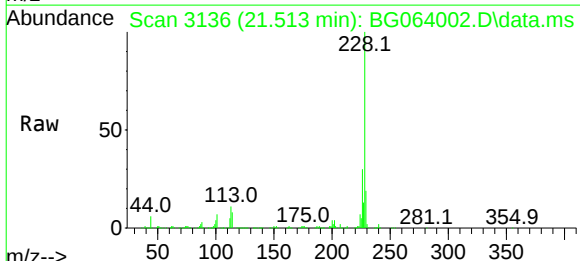
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:228 Resp: 279937

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.3	15.4	23.0

Manual Integrations
APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.365 ng

RT: 21.395 min Scan# 3116

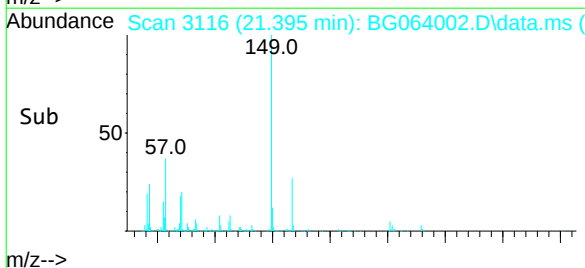
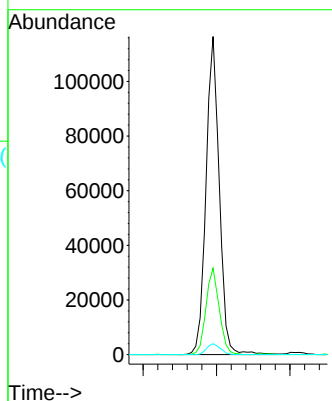
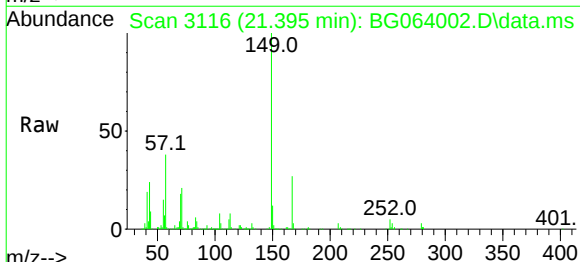
Delta R.T. -0.007 min

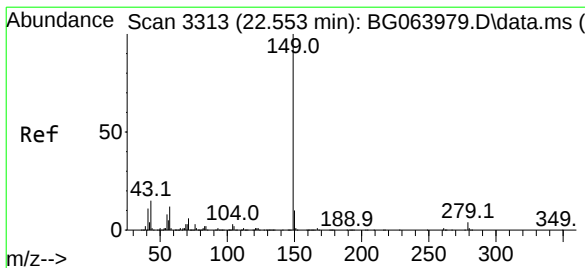
Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:149 Resp: 146255

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	3.4	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 14.265 ng

RT: 22.547 min Scan# 3313

Delta R.T. -0.006 min

Lab File: BG064002.D

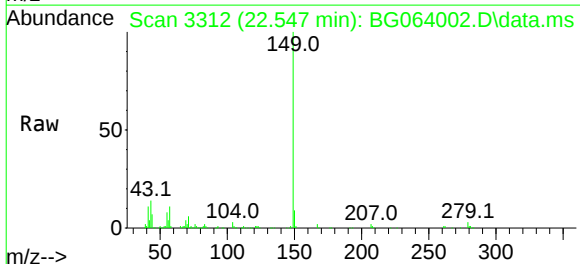
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



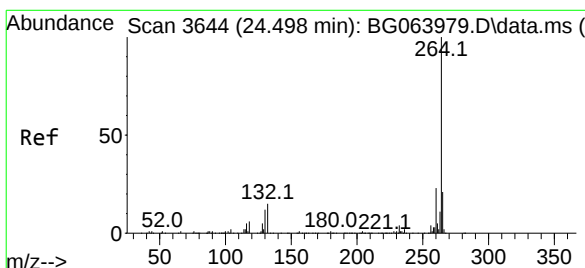
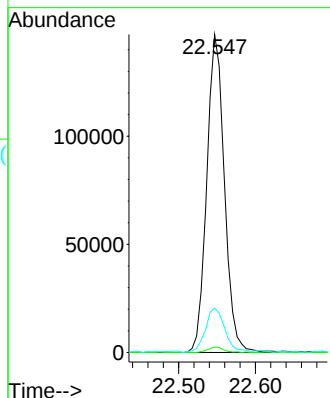
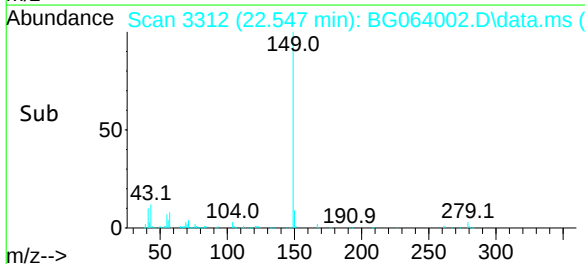
Tgt Ion:	149	Resp:	235360
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.4	12.3	18.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

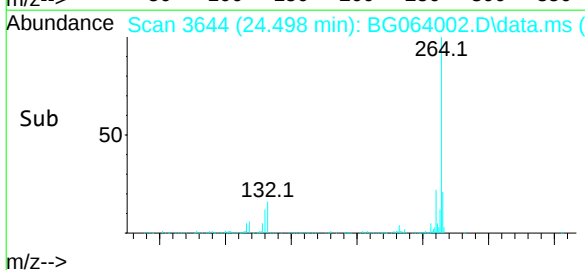
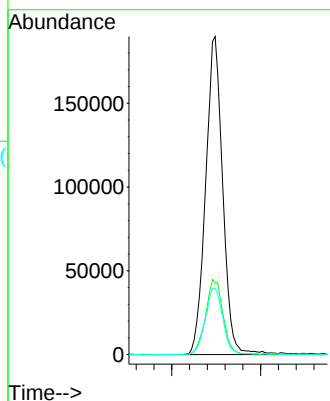
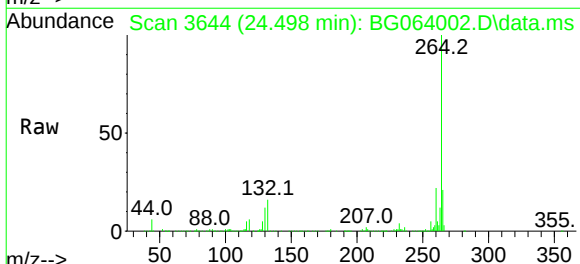
RT: 24.498 min Scan# 3644

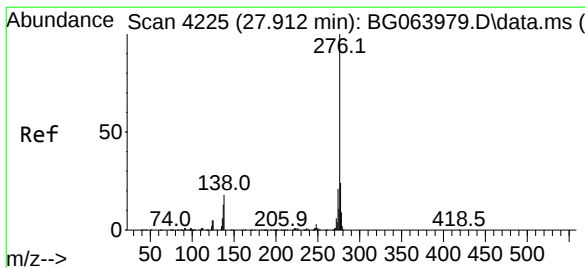
Delta R.T. -0.000 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:	264	Resp:	506692
Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	20.8	16.6	24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.386 ng

RT: 27.894 min Scan# 42

Delta R.T. -0.018 min

Lab File: BG064002.D

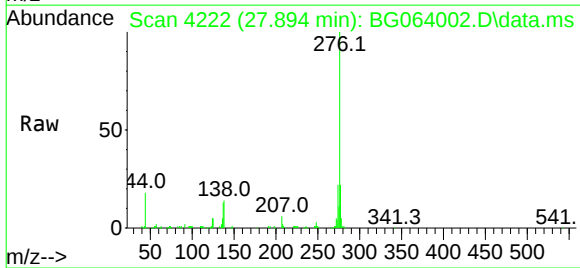
Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:276 Resp: 306811

Ion Ratio Lower Upper

276 100

138 6.9 10.7 16.1#

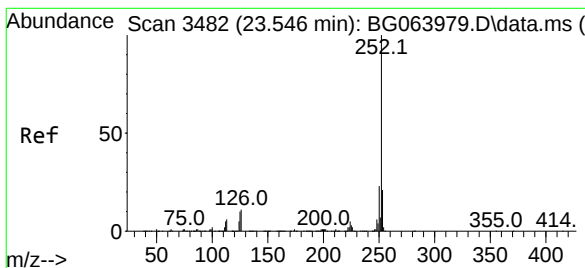
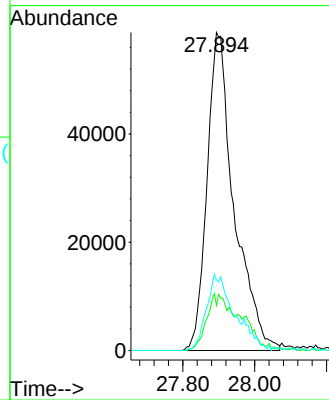
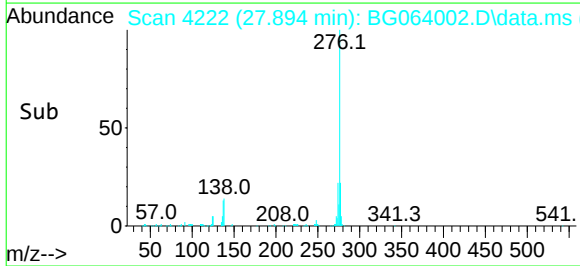
277 21.5 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 8.858 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

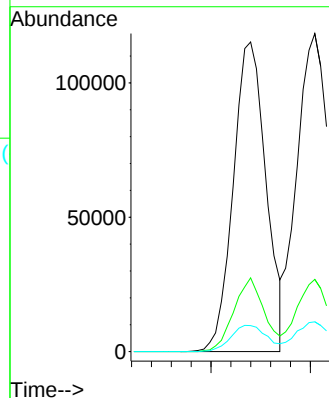
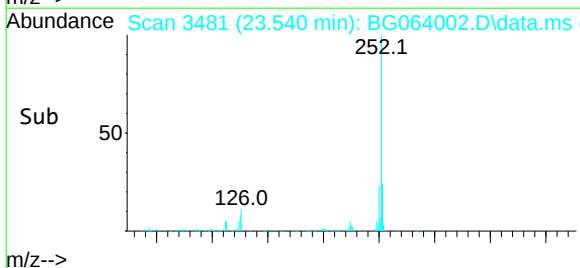
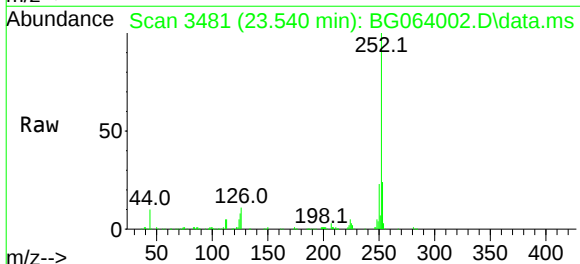
Tgt Ion:252 Resp: 264296

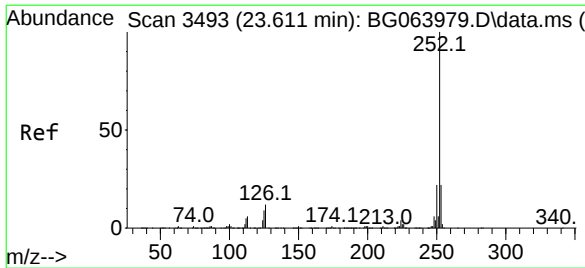
Ion Ratio Lower Upper

252 100

253 23.8 16.9 25.3

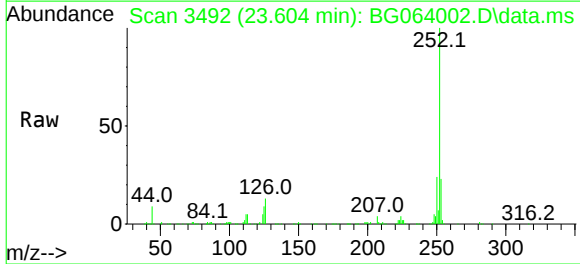
125 8.4 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 9.205 ng
RT: 23.604 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

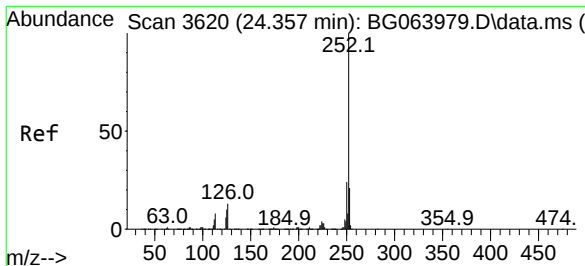
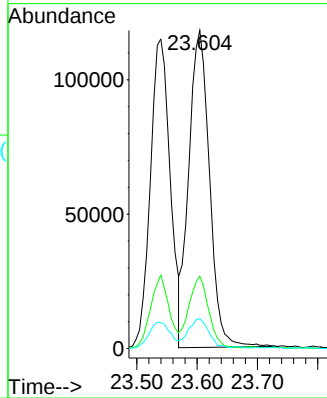
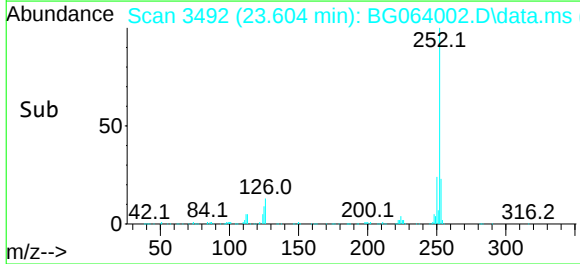
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:252 Resp: 282016
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.4 7.5 11.3

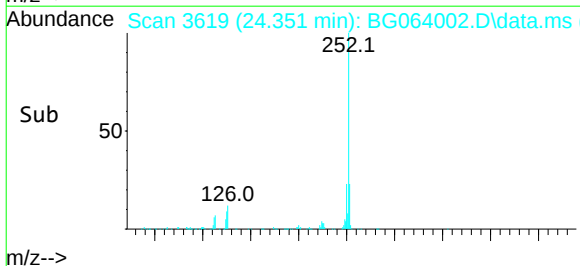
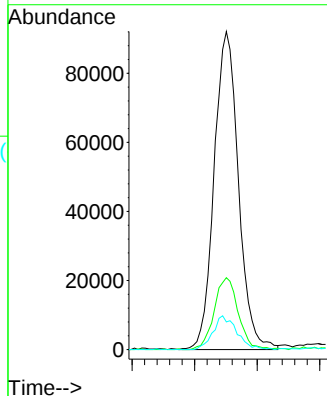
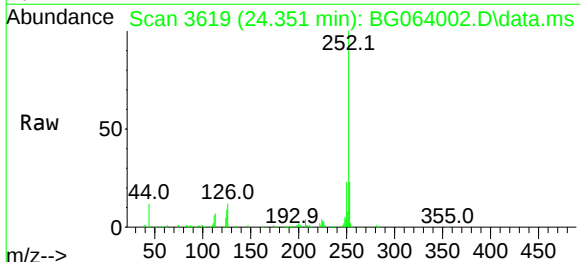
Manual Integrations
APPROVED

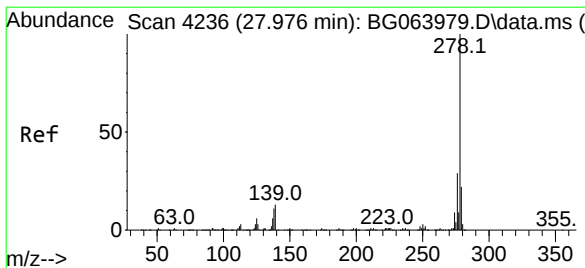
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 9.341 ng
RT: 24.351 min Scan# 3619
Delta R.T. -0.006 min
Lab File: BG064002.D
Acq: 5 Feb 2025 17:14

Tgt Ion:252 Resp: 248758
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 8.7 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 9.110 ng

RT: 27.970 min Scan# 42

Delta R.T. -0.006 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

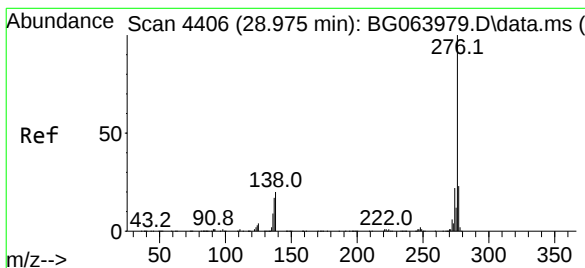
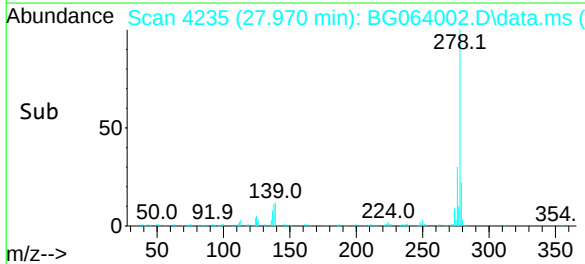
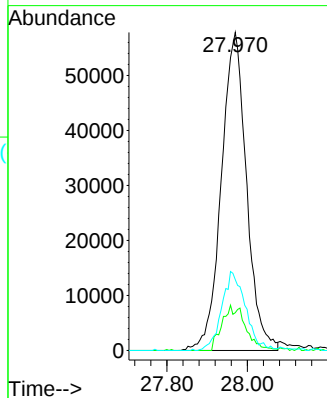
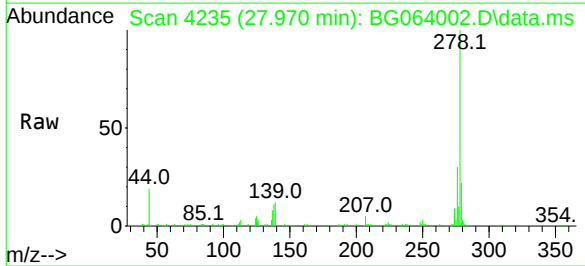
Tgt Ion:	278	Resp:	251439
Ion Ratio	Lower	Upper	
278	100		
139	11.9	10.8	16.2
279	22.3	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#92

Benzo(g,h,i)perylene

Concen: 8.646 ng

RT: 28.951 min Scan# 4402

Delta R.T. -0.024 min

Lab File: BG064002.D

Acq: 5 Feb 2025 17:14

Tgt Ion:	276	Resp:	240919
Ion Ratio	Lower	Upper	
276	100		
277	20.5	18.2	27.4
138	17.7	15.8	23.6

