

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071322\
 Data File : BG054271.D
 Acq On : 13 Jul 2022 13:22
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Quant Time: Jul 13 13:58:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 13 12:11:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/14/2022
 Supervised By : Jagrut Upadhyay 07/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.038	152	18159	20.000	ng	0.00
21) Naphthalene-d8	10.847	136	66017	20.000	ng	# 0.00
39) Acenaphthene-d10	14.666	164	54231	20.000	ng	0.00
64) Phenanthrene-d10	17.416	188	149173	20.000	ng	# 0.00
76) Chrysene-d12	21.687	240	189736	20.000	ng	# 0.00
86) Perylene-d12	24.919	264	201672	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.606	112	95883	106.084	ng	0.00
7) Phenol-d6	7.198	99	132079	105.950	ng	-0.01
23) Nitrobenzene-d5	9.196	82	101163	83.157	ng	-0.01
42) 2,4,6-Tribromophenol	16.158	330	130844	124.553	ng	0.00
45) 2-Fluorobiphenyl	13.291	172	318451	86.282	ng	0.00
79) Terphenyl-d14	20.019	244	742503	80.473	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.485	88	2484	6.284	ng	# 83
3) Pyridine	3.890	79	5368	5.437	ng	# 85
4) n-Nitrosodimethylamine	3.808	42	3255	6.526	ng	# 80
6) Aniline	7.363	93	10561	7.207	ng	91
8) 2-Chlorophenol	7.604	128	7300	7.206	ng	87
9) Benzaldehyde	7.175	77	6258	8.360	ng	# 67
10) Phenol	7.228	94	7867	6.255	ng	83
11) bis(2-Chloroethyl)ether	7.451	93	6056	6.529	ng	91
12) 1,3-Dichlorobenzene	7.927	146	8753m	7.116	ng	
13) 1,4-Dichlorobenzene	8.068	146	9163	7.269	ng	97
14) 1,2-Dichlorobenzene	8.391	146	8832	7.297	ng	90
15) Benzyl Alcohol	8.273	79	6627	6.594	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.561	45	7629	5.923	ng	98
17) 2-Methylphenol	8.485	107	5891	6.555	ng	90
18) Hexachloroethane	9.120	117	3170	7.392	ng	# 69
19) n-Nitroso-di-n-propyla...	8.838	70	5700	6.698	ng	# 94
20) 3+4-Methylphenols	8.814	107	7879	6.249	ng	94
22) Acetophenone	8.855	105	10739	6.731	ng	# 95
24) Nitrobenzene	9.237	77	8850	7.400	ng	95
25) Isophorone	9.760	82	15304	6.954	ng	# 91
26) 2-Nitrophenol	9.966	139	4098	6.955	ng	# 79
27) 2,4-Dimethylphenol	10.013	122	6653	8.072	ng	92
28) bis(2-Chloroethoxy)met...	10.242	93	8161	7.285	ng	98
29) 2,4-Dichlorophenol	10.500	162	8368	7.005	ng	88
30) 1,2,4-Trichlorobenzene	10.718	180	11015	7.474	ng	# 95
31) Naphthalene	10.894	128	23306	7.020	ng	95
32) Benzoic acid	10.171	122	2065	6.157	ng	# 51
33) 4-Chloroaniline	11.006	127	9512	6.890	ng	97
34) Hexachlorobutadiene	11.182	225	9702	7.934	ng	98
35) Caprolactam	11.746	113	2192	6.444	ng	# 45
36) 4-Chloro-3-methylphenol	12.128	107	7653	6.659	ng	# 81
37) 2-Methylnaphthalene	12.498	142	17765	6.983	ng	95
38) 1-Methylnaphthalene	12.715	142	17148m	6.942	ng	
40) 1,2,4,5-Tetrachloroben...	12.868	216	17416	7.912	ng	# 94
41) Hexachlorocyclopentadiene	12.850	237	1547	2.810	ng	85
43) 2,4,6-Trichlorophenol	13.109	196	8869	7.015	ng	91

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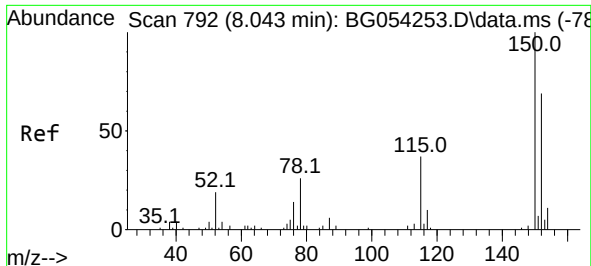
Quant Time: Jul 13 13:58:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
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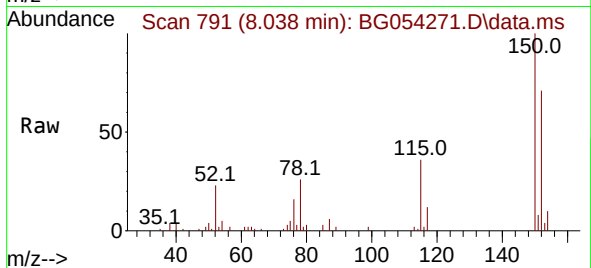
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.185	196	8993	6.503	ng	# 91
46) 1,1'-Biphenyl	13.503	154	27171	7.451	ng	97
47) 2-Chloronaphthalene	13.550	162	21554	7.070	ng	97
48) 2-Nitroaniline	13.744	65	5244	6.078	ng	90
49) Acenaphthylene	14.390	152	33796	7.307	ng	98
50) Dimethylphthalate	14.114	163	29559	6.942	ng	# 95
51) 2,6-Dinitrotoluene	14.237	165	6553	7.081	ng	# 78
52) Acenaphthene	14.731	154	19629	7.017	ng	96
53) 3-Nitroaniline	14.566	138	5075	6.186	ng	# 92
54) 2,4-Dinitrophenol	14.789	184	1446	3.332	ng	# 74
55) Dibenzofuran	15.066	168	35714	7.269	ng	98
56) 4-Nitrophenol	14.895	139	3029	5.747	ng	# 81
57) 2,4-Dinitrotoluene	15.030	165	9143	6.823	ng	# 82
58) Fluorene	15.712	166	28697	7.030	ng	90
59) 2,3,4,6-Tetrachlorophenol	15.301	232	9359	6.757	ng	# 80
60) Diethylphthalate	15.477	149	28201	6.791	ng	95
61) 4-Chlorophenyl-phenyle...	15.700	204	19760	7.621	ng	# 88
62) 4-Nitroaniline	15.729	138	5343	6.236	ng	91
63) Azobenzene	15.994	77	20386	6.514	ng	81
65) 4,6-Dinitro-2-methylph...	15.800	198	4331	4.935	ng	# 68
66) n-Nitrosodiphenylamine	15.912	169	26130	6.945	ng	91
67) 4-Bromophenyl-phenylether	16.599	248	14687	7.382	ng	# 89
68) Hexachlorobenzene	16.728	284	16658	7.335	ng	# 89
69) Atrazine	16.858	200	13066	7.863	ng	94
70) Pentachlorophenol	17.075	266	4515	4.949	ng	91
71) Phenanthrene	17.457	178	52358	7.017	ng	97
72) Anthracene	17.545	178	53500	7.321	ng	98
73) Carbazole	17.815	167	44810	7.241	ng	98
74) Di-n-butylphthalate	18.368	149	48457	6.613	ng	98
75) Fluoranthene	19.466	202	72736	7.168	ng	97
77) Benzidine	19.637	184	35268	10.589	ng	98
78) Pyrene	19.825	202	74354	6.809	ng	98
80) Butylbenzylphthalate	20.706	149	21622	6.111	ng	# 83
81) Benzo(a)anthracene	21.664	228	86018	7.167	ng	97
82) 3,3'-Dichlorobenzidine	21.576	252	32441	8.843	ng	# 93
83) Chrysene	21.728	228	78652	6.929	ng	97
84) Bis(2-ethylhexyl)phtha...	21.564	149	33197	6.613	ng	# 99
85) Di-n-octyl phthalate	22.774	149	56441	6.531	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.626	276	104603	6.895	ng	# 99
88) Benzo(b)fluoranthene	23.890	252	89252	7.463	ng	# 99
89) Benzo(k)fluoranthene	23.955	252	86203	7.266	ng	# 97
90) Benzo(a)pyrene	24.766	252	84782	8.286	ng	# 96
91) Dibenzo(a,h)anthracene	28.679	278	91993	7.402	ng	# 93
92) Benzo(g,h,i)perylene	29.778	276	91304	7.365	ng	# 88

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.038 min Scan# 792
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

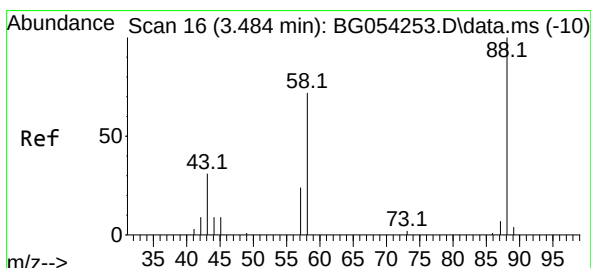
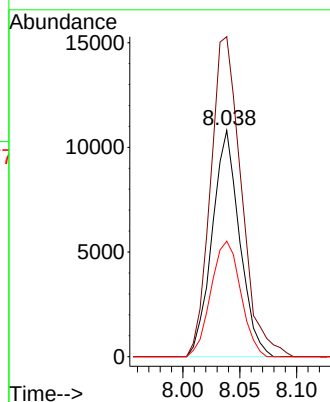
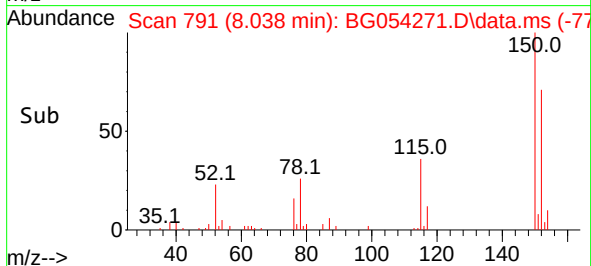
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 1815
Ion Ratio Lower Upper
152 100
150 141.4 131.6 197.4
115 51.1 50.9 76.3

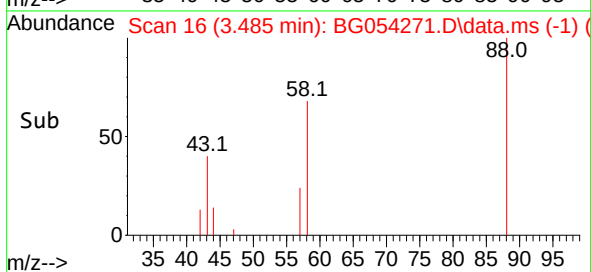
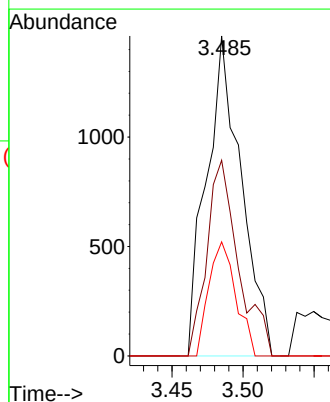
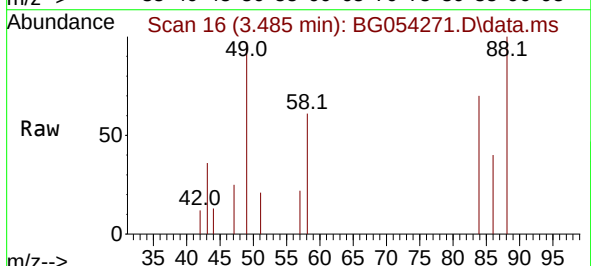
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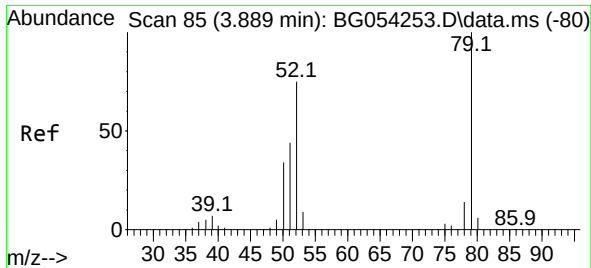
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#2
1,4-Dioxane
Concen: 6.284 ng
RT: 3.485 min Scan# 16
Delta R.T. 0.001 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion: 88 Resp: 2484
Ion Ratio Lower Upper
88 100
58 55.5 59.2 88.8#
43 27.8 24.3 36.5





#3

Pyridine

Concen: 5.437 ng

RT: 3.890 min Scan# 85

Delta R.T. 0.001 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

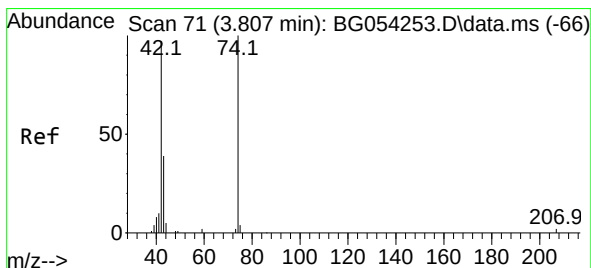
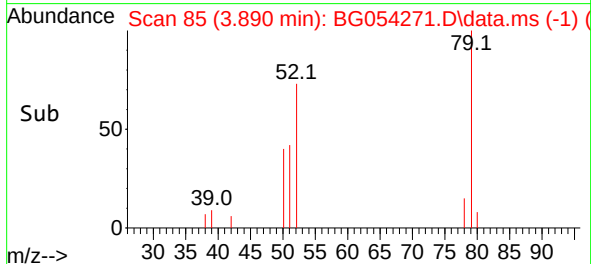
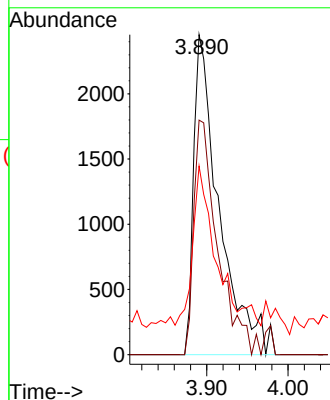
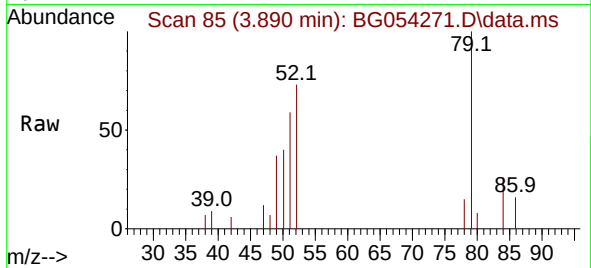
Tgt Ion: 79	Resp: 536
Ion Ratio	Lower Upper
79	100
52	73.3 54.6 81.8
51	58.9 32.5 48.7

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 6.526 ng

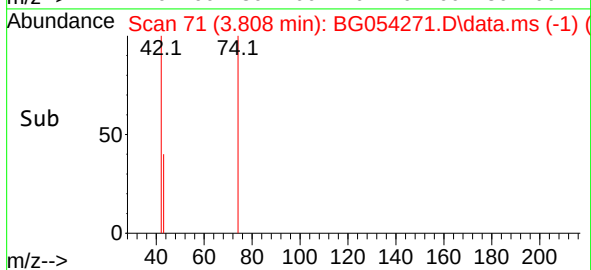
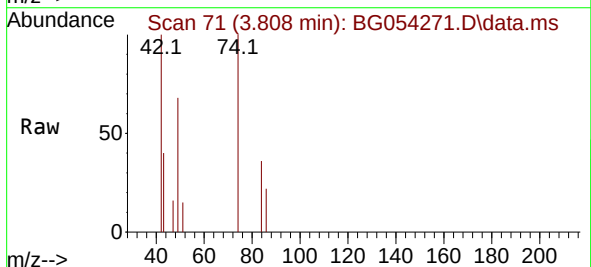
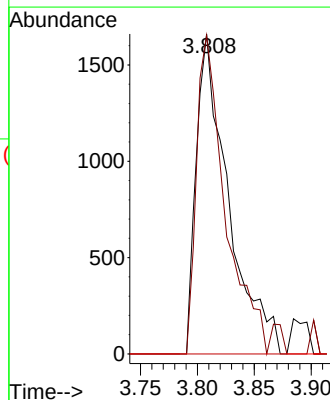
RT: 3.808 min Scan# 71

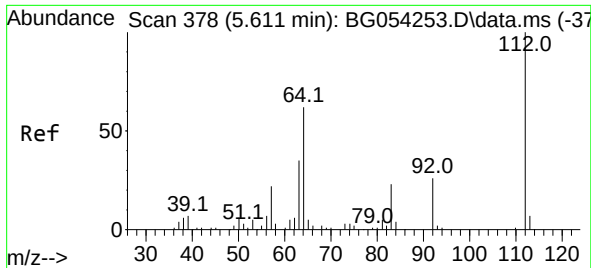
Delta R.T. 0.001 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Tgt Ion: 42	Resp: 3255
Ion Ratio	Lower Upper
42	100
74	99.6 97.0 145.4
44	0.0 7.0 10.4





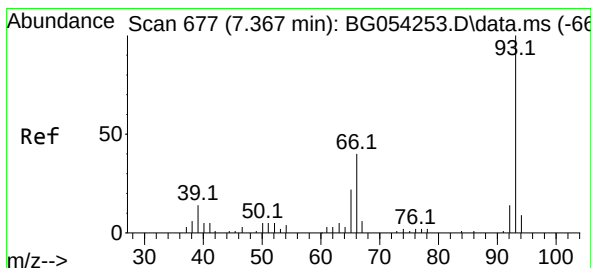
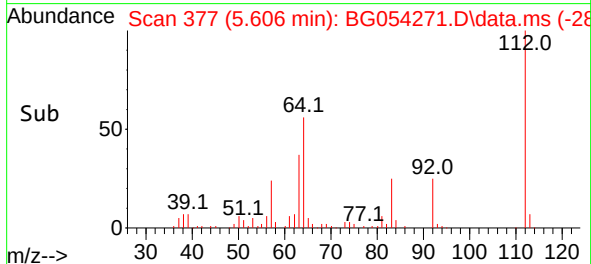
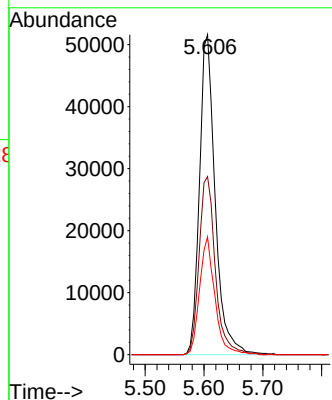
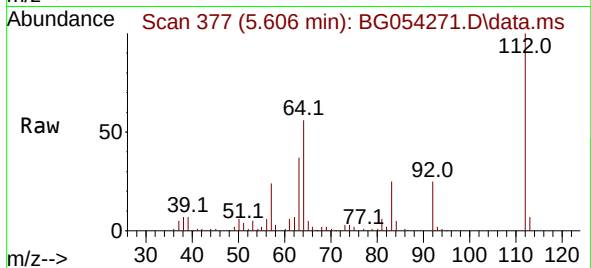
#5
2-Fluorophenol
Concen: 106.084 ng
RT: 5.606 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:112 Resp: 9588
Ion Ratio Lower Upper
112 100
64 55.6 55.1 82.7
63 36.8 30.4 45.6

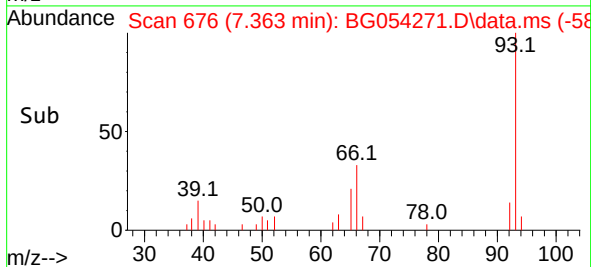
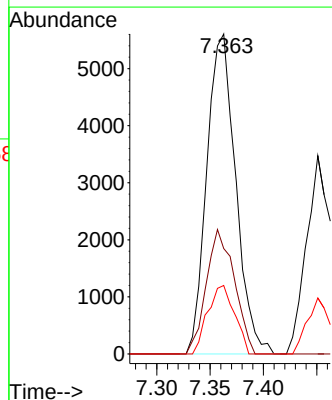
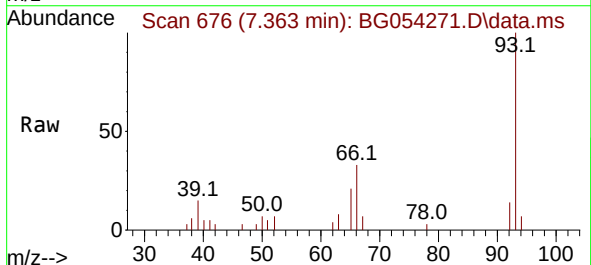
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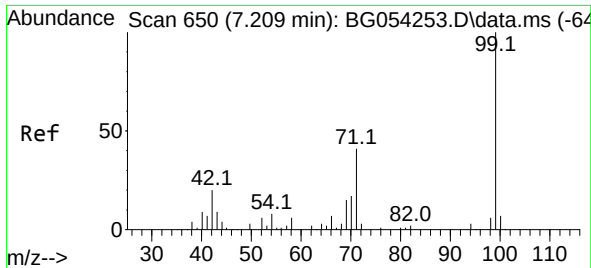
Reviewed By :Christian Giraldo 07/14/2022
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#6
Aniline
Concen: 7.207 ng
RT: 7.363 min Scan# 676
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

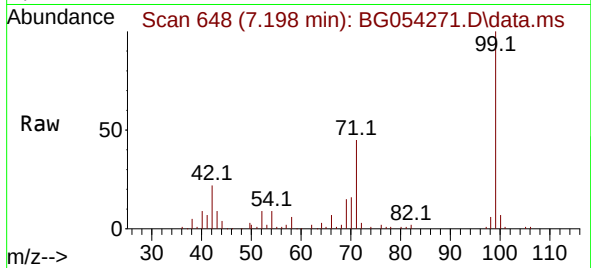
Tgt Ion: 93 Resp: 10561
Ion Ratio Lower Upper
93 100
66 32.9 32.9 49.3
65 21.4 17.8 26.8





#7
Phenol-d6
Concen: 105.950 ng
RT: 7.198 min Scan# 648
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

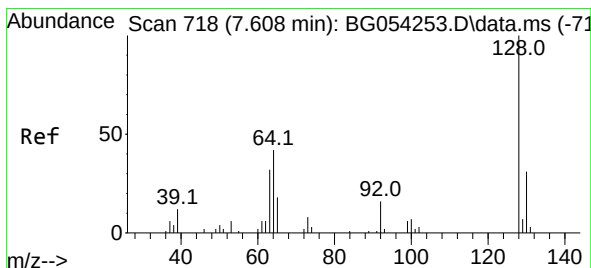
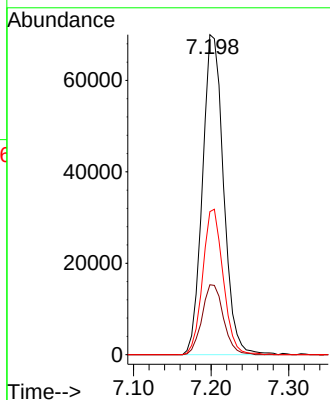
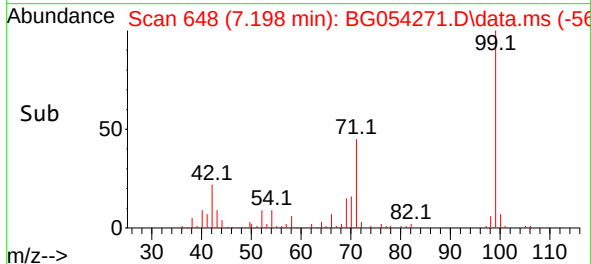
Instrument :
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LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 99 Resp: 132079
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 44.7 33.8 50.8

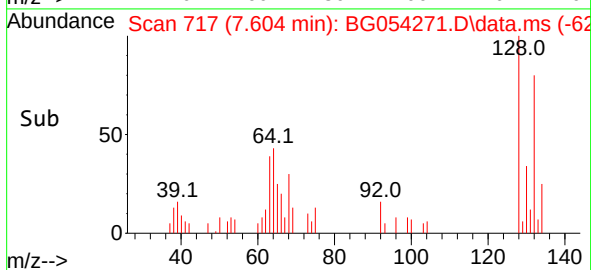
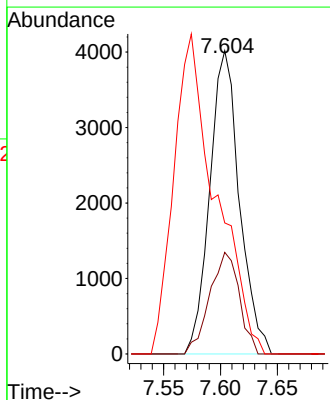
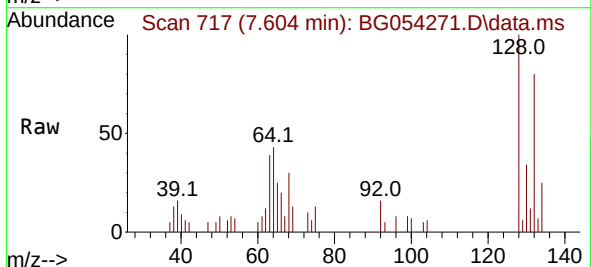
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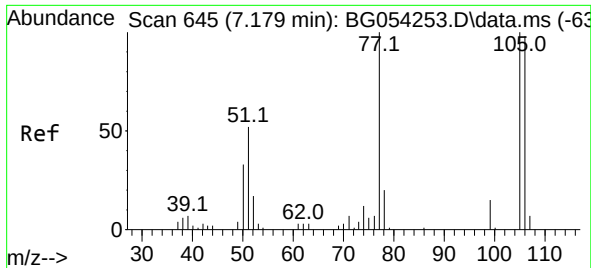
Reviewed By :Christian Giraldo 07/14/2022
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#8
2-Chlorophenol
Concen: 7.206 ng
RT: 7.604 min Scan# 717
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

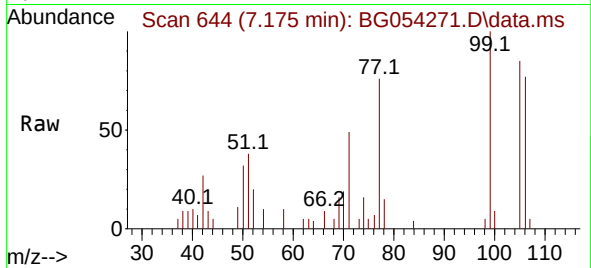
Tgt Ion:128 Resp: 7300
Ion Ratio Lower Upper
128 100
130 33.5 10.5 50.5
64 43.2 35.1 75.1





#9
Benzaldehyde
Concen: 8.360 ng
RT: 7.175 min Scan# 645
Delta R.T. -0.004 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

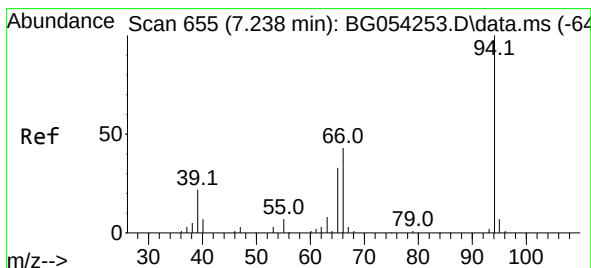
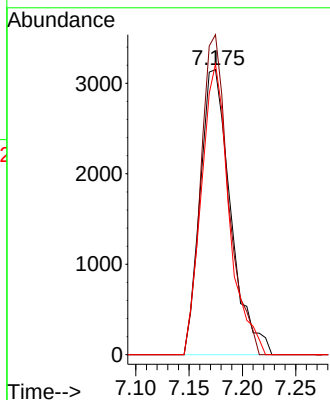
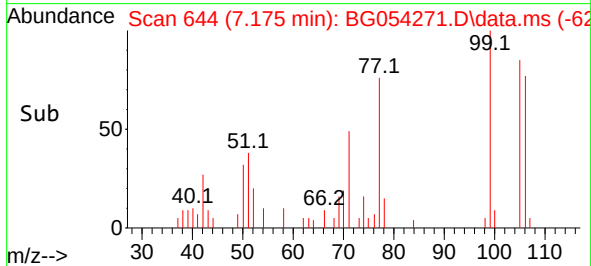
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 77 Resp: 6258
Ion Ratio Lower Upper
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105 112.2 59.6 99.6
106 102.0 56.8 96.8

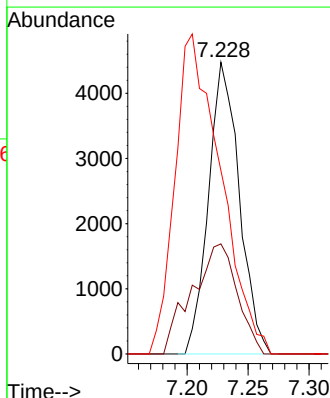
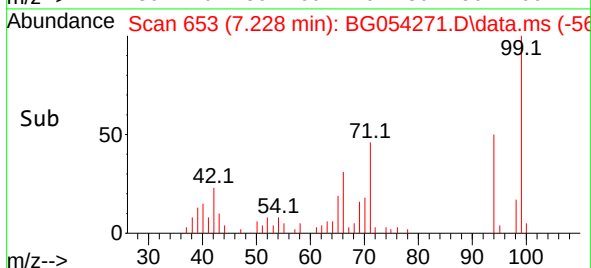
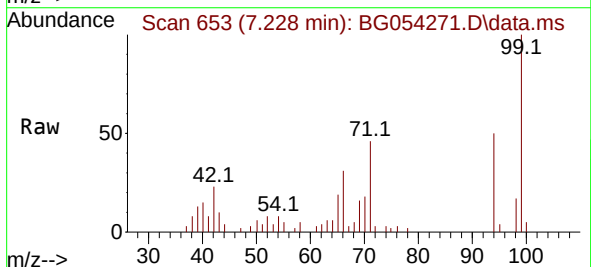
Manual Integrations
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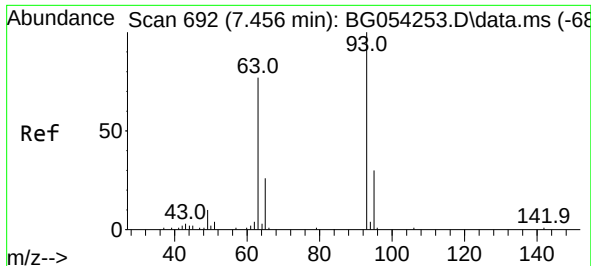
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#10
Phenol
Concen: 6.255 ng
RT: 7.228 min Scan# 653
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

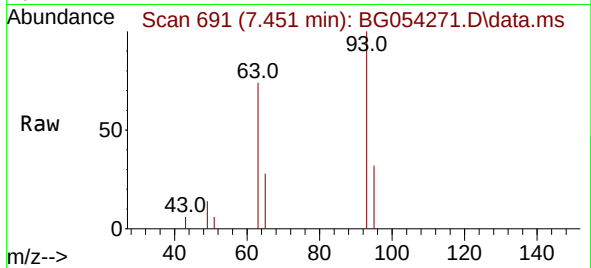
Tgt Ion: 94 Resp: 7867
Ion Ratio Lower Upper
94 100
65 37.7 14.8 54.8
66 62.9 25.2 65.2





#11
bis(2-Chloroethyl)ether
Concen: 6.529 ng
RT: 7.451 min Scan# 691
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

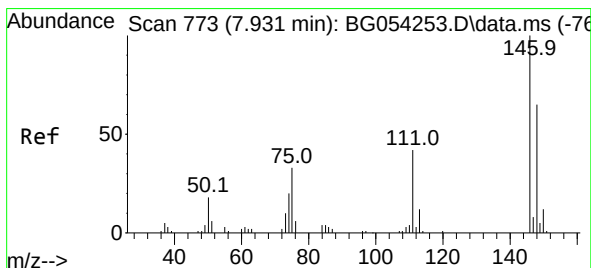
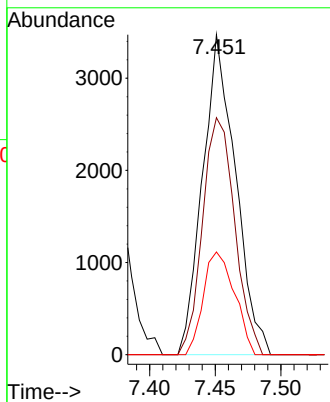
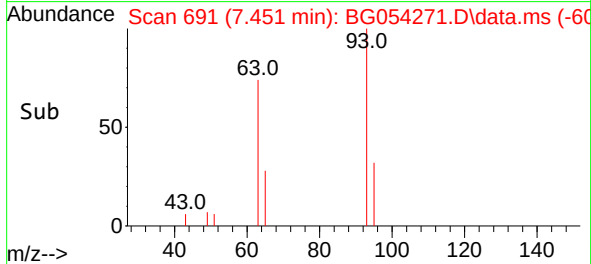
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



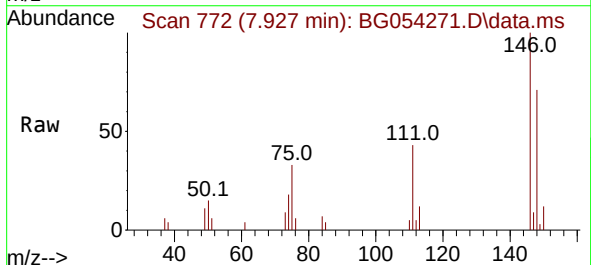
Tgt Ion: 93 Resp: 6050
Ion Ratio Lower Upper
93 100
63 74.0 63.6 103.6
95 32.1 10.1 50.1

Manual Integrations
APPROVED

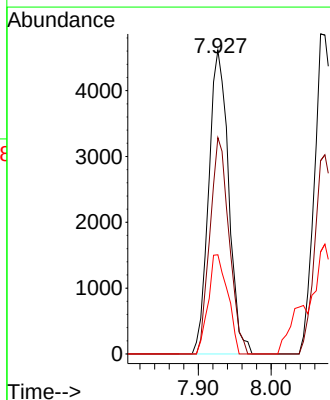
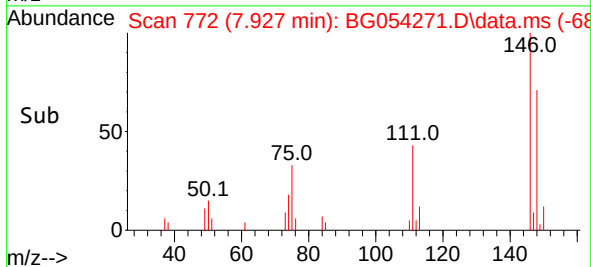
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

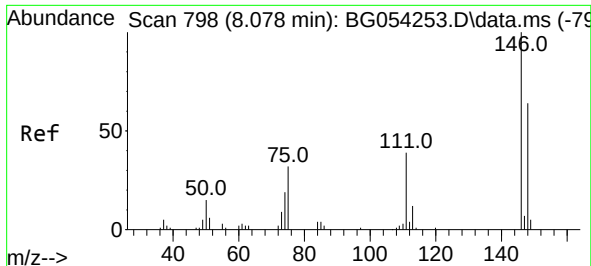


#12
1,3-Dichlorobenzene
Concen: 7.116 ng m
RT: 7.927 min Scan# 772
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



Tgt Ion:146 Resp: 8753
Ion Ratio Lower Upper
146 100
148 71.3 46.1 69.1#
75 32.7 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 7.269 ng

RT: 8.068 min Scan# 798

Delta R.T. -0.011 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

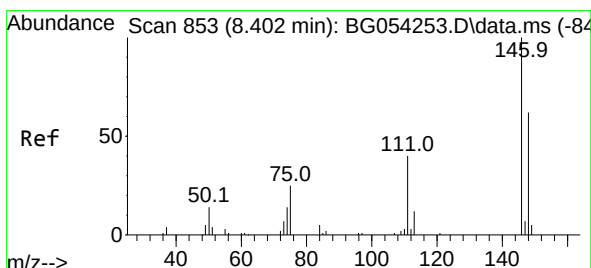
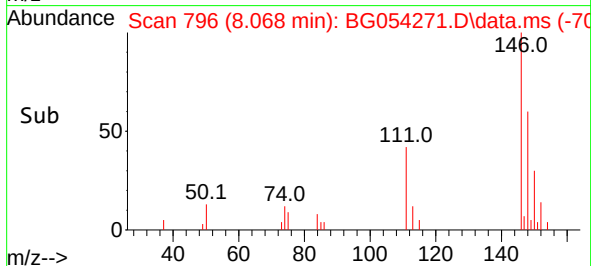
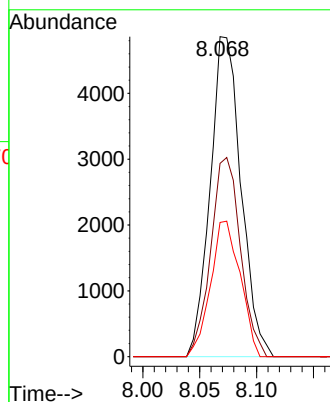
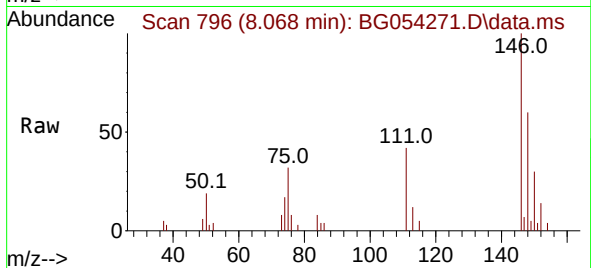
Tgt Ion:146	Resp:	916
Ion Ratio	Lower	Upper
146	100	
148	60.4	51.5 77.3
111	41.9	33.9 50.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#14

1,2-Dichlorobenzene

Concen: 7.297 ng

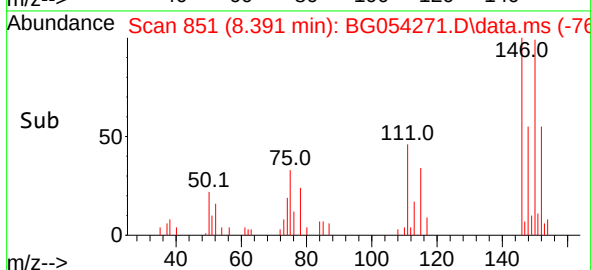
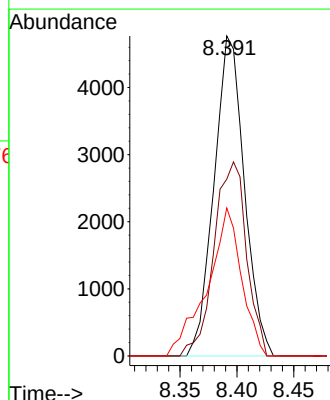
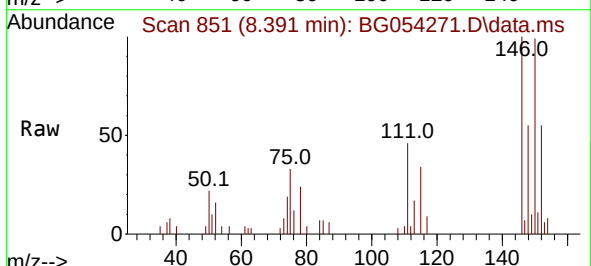
RT: 8.391 min Scan# 851

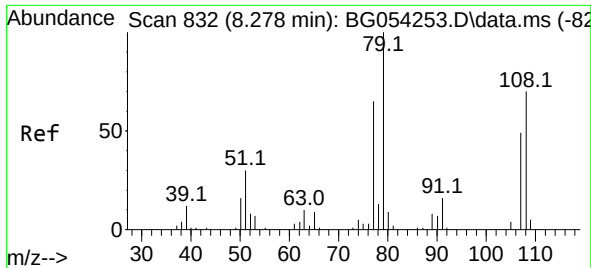
Delta R.T. -0.011 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Tgt Ion:146	Resp:	8832
Ion Ratio	Lower	Upper
146	100	
148	55.2	52.6 78.8
111	46.2	34.5 51.7





#15

Benzyl Alcohol

Concen: 6.594 ng

RT: 8.273 min Scan# 81

Delta R.T. -0.005 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

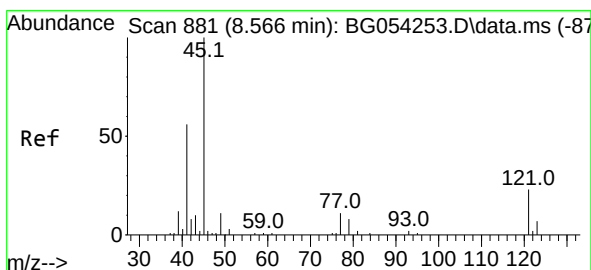
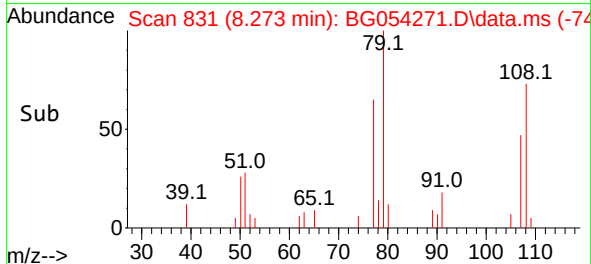
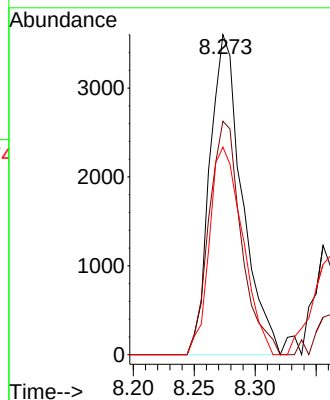
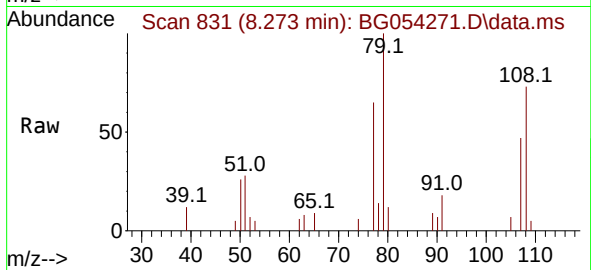
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 79	Resp: 662
Ion Ratio	Lower Upper
79 100	
108 73.0	53.7 80.5
77 64.9	52.2 78.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.923 ng

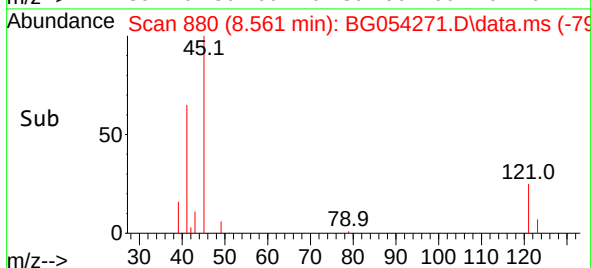
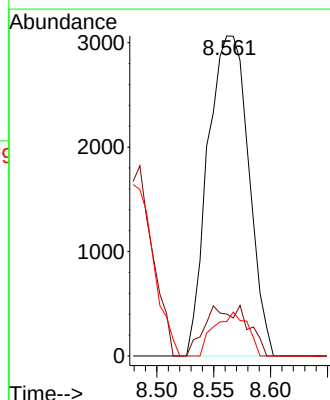
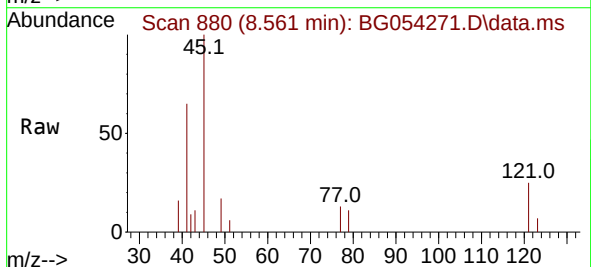
RT: 8.561 min Scan# 880

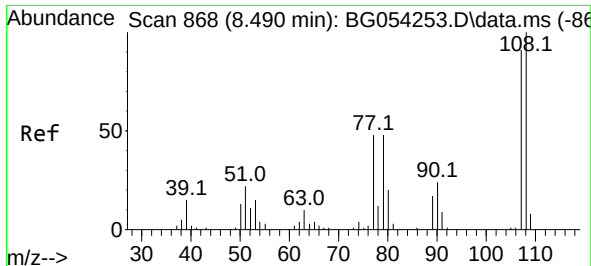
Delta R.T. -0.005 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

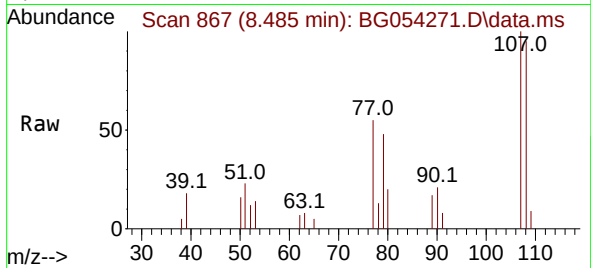
Tgt Ion: 45	Resp: 7629
Ion Ratio	Lower Upper
45 100	
77 13.1	0.0 32.7
79 10.8	0.0 29.7





#17
2-Methylphenol
Concen: 6.555 ng
RT: 8.485 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

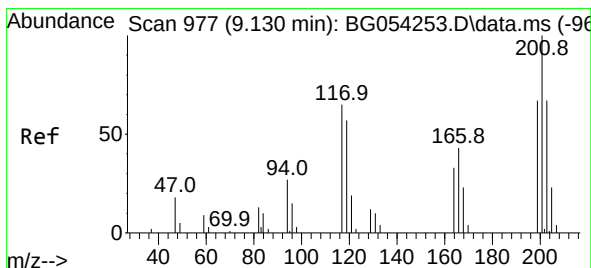
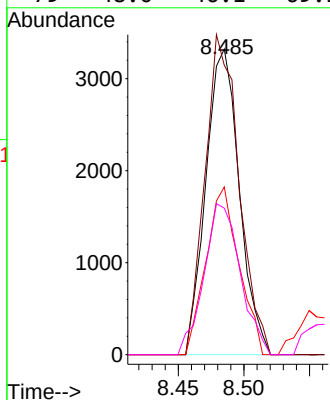
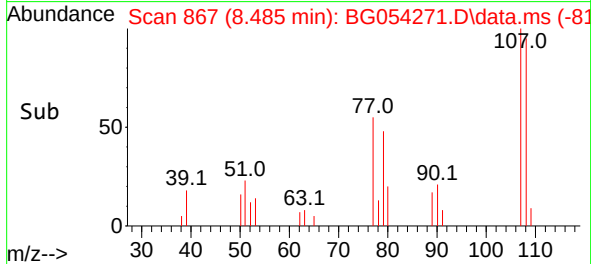
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



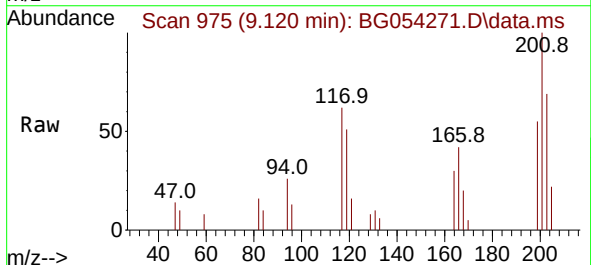
Tgt Ion:107 Resp: 589
Ion Ratio Lower Upper
107 100
108 94.7 85.4 128.0
77 54.9 46.2 69.2
79 48.0 46.1 69.1

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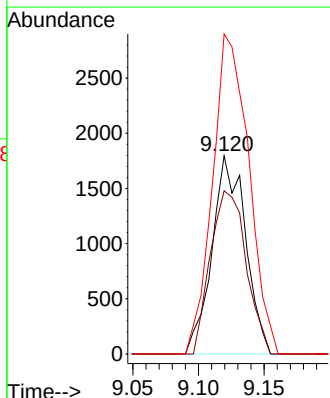
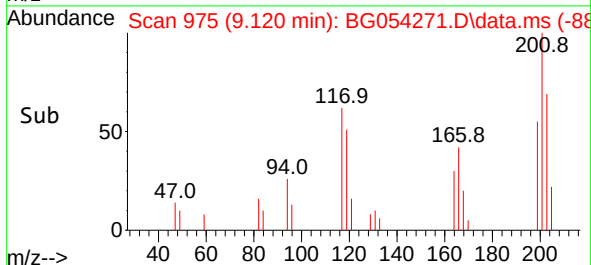
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

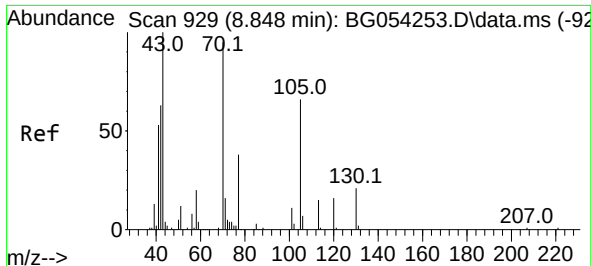


#18
Hexachloroethane
Concen: 7.392 ng
RT: 9.120 min Scan# 975
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



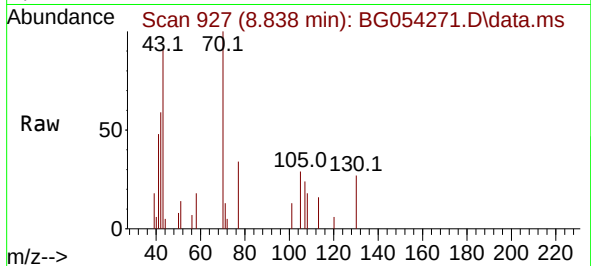
Tgt Ion:117 Resp: 3170
Ion Ratio Lower Upper
117 100
119 82.4 75.0 112.6
201 161.6 89.0 133.6#





#19
n-Nitroso-di-n-propylamine
Concen: 6.698 ng
RT: 8.838 min Scan# 91
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

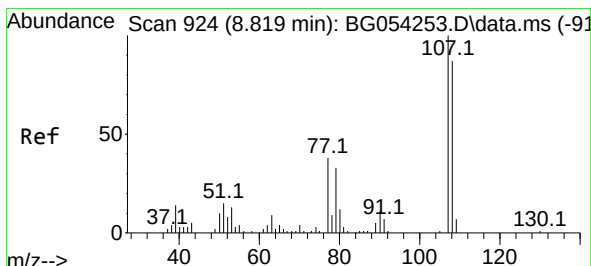
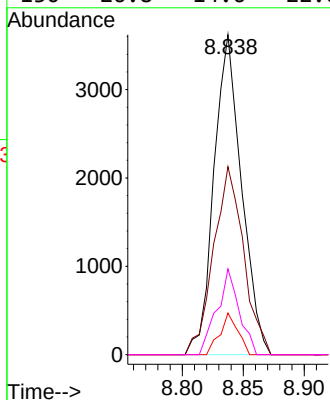
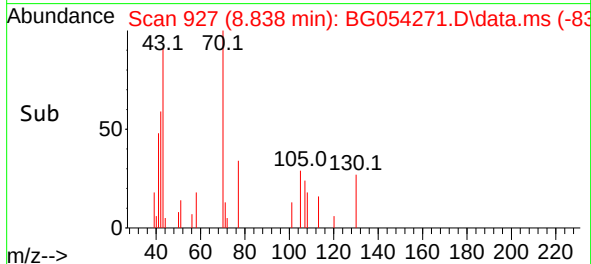
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



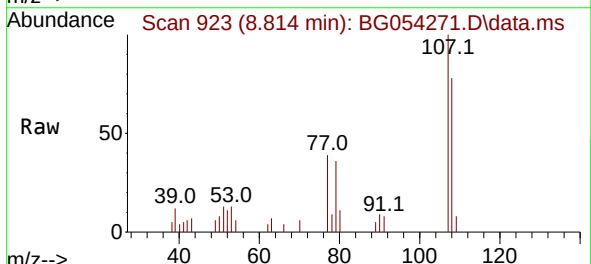
Tgt Ion: 70 Resp: 5700
Ion Ratio Lower Upper
70 100
42 58.7 47.3 70.9
101 13.0 7.0 10.4
130 26.8 14.6 22.0#

Manual Integrations
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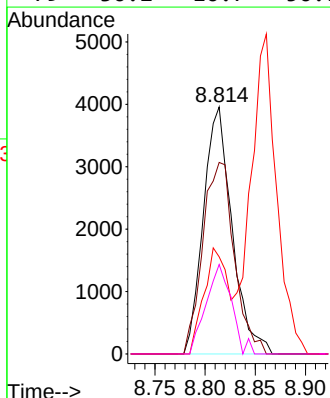
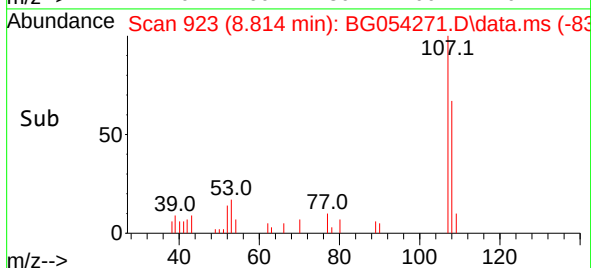
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

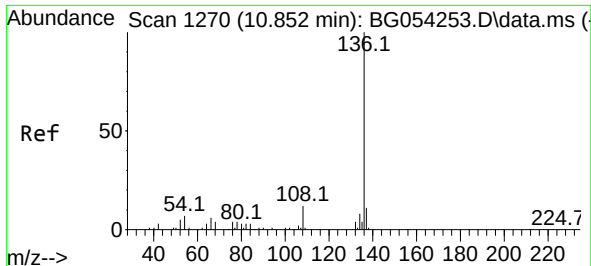


#20
3+4-Methylphenols
Concen: 6.249 ng
RT: 8.814 min Scan# 923
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



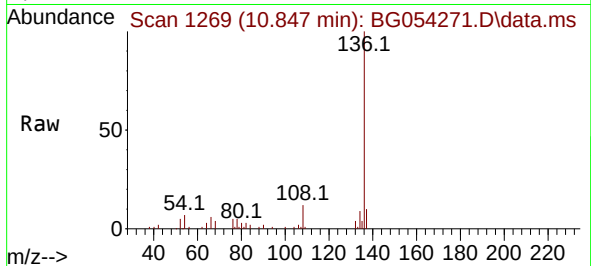
Tgt Ion:107 Resp: 7879
Ion Ratio Lower Upper
107 100
108 77.5 67.5 107.5
77 39.3 20.3 60.3
79 36.2 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

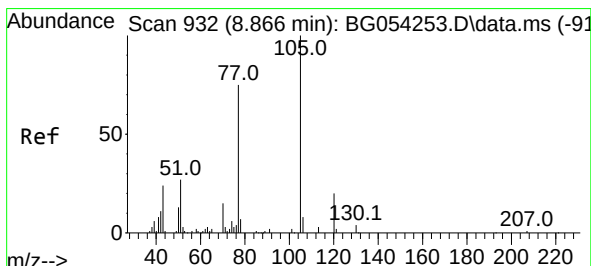
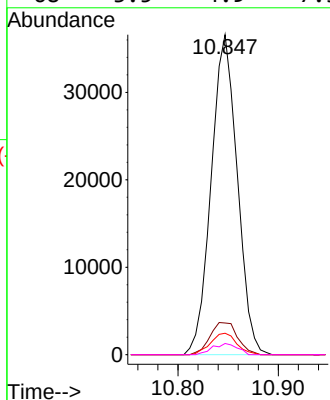
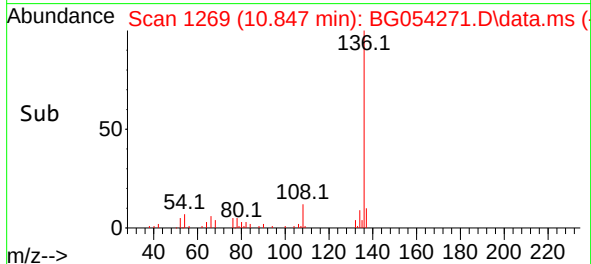
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 6601
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 6.7 7.4 11.2
68 3.5 4.9 7.3#

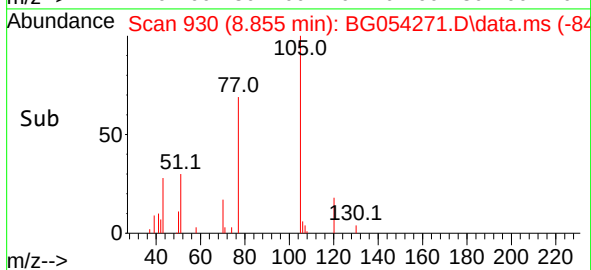
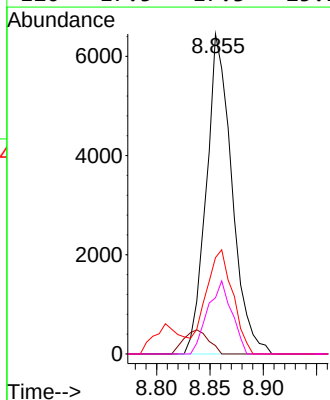
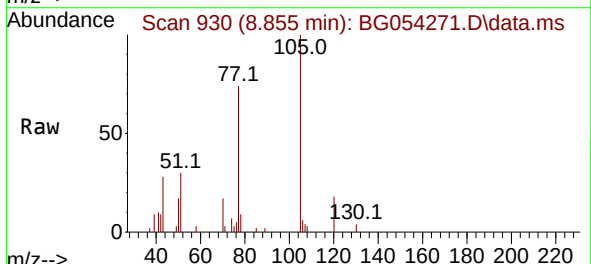
Manual Integrations
APPROVED

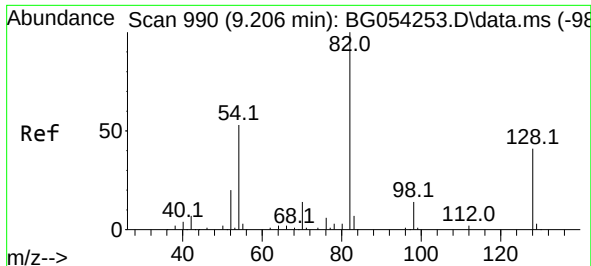
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#22
Acetophenone
Concen: 6.731 ng
RT: 8.855 min Scan# 930
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion:105 Resp: 10739
Ion Ratio Lower Upper
105 100
71 2.6 1.1 1.7#
51 30.1 25.4 38.0
120 17.5 17.3 25.9





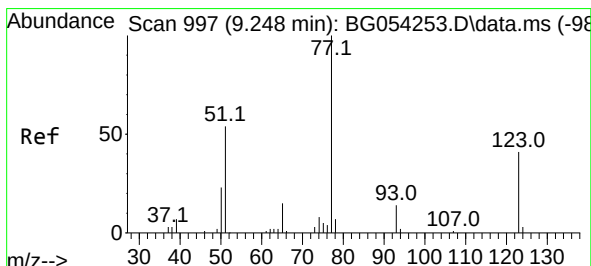
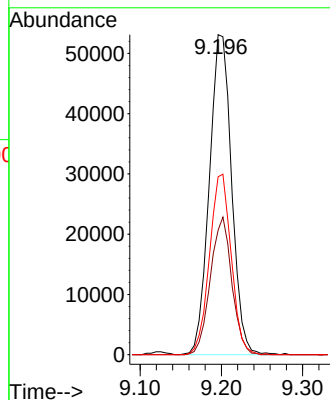
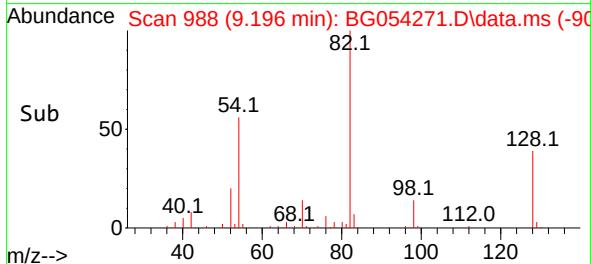
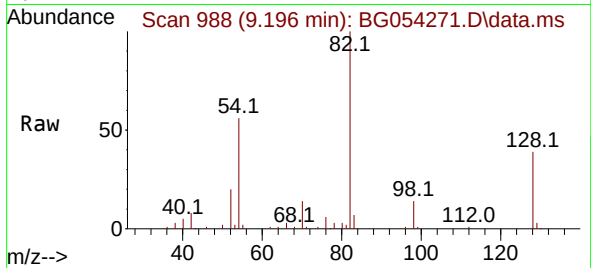
#23
Nitrobenzene-d5
Concen: 83.157 ng
RT: 9.196 min Scan# 911
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 82 Resp: 10116
Ion Ratio Lower Upper
82 100
128 38.9 27.9 41.9
54 55.6 41.2 61.8

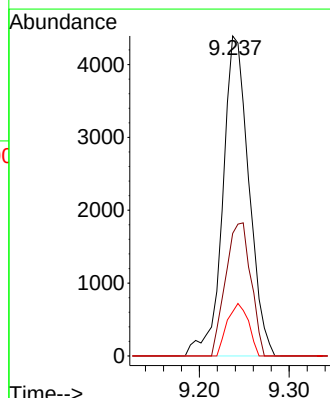
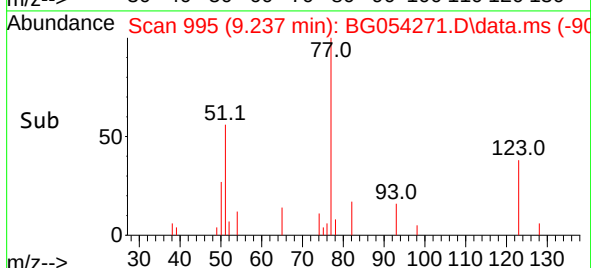
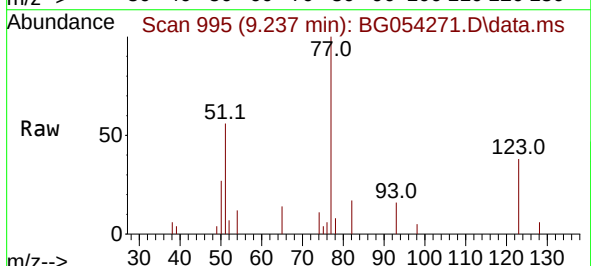
Manual Integrations
APPROVED

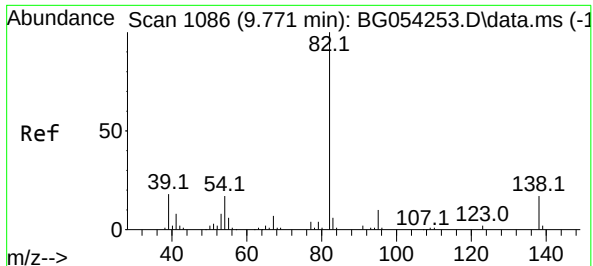
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#24
Nitrobenzene
Concen: 7.400 ng
RT: 9.237 min Scan# 995
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion: 77 Resp: 8850
Ion Ratio Lower Upper
77 100
123 38.3 27.4 41.0
65 13.8 11.4 17.0





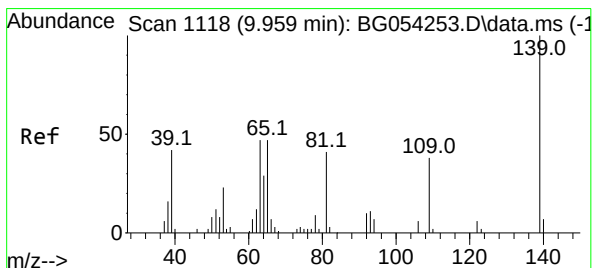
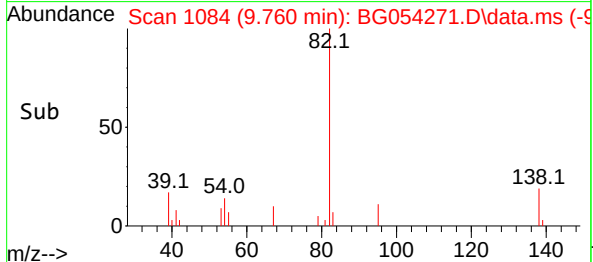
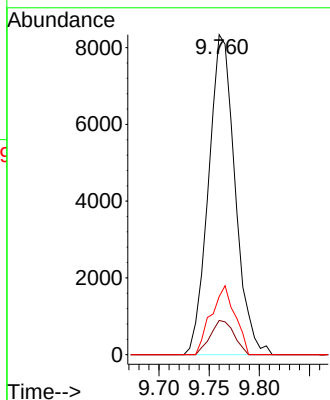
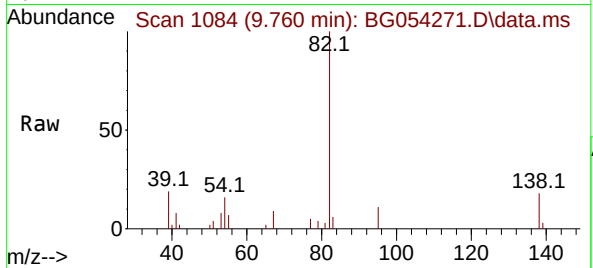
#25
Isophorone
Concen: 6.954 ng
RT: 9.760 min Scan# 1086
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 82 Resp: 15304
Ion Ratio Lower Upper
82 100
95 10.7 6.2 9.4#
138 18.1 11.6 17.4#

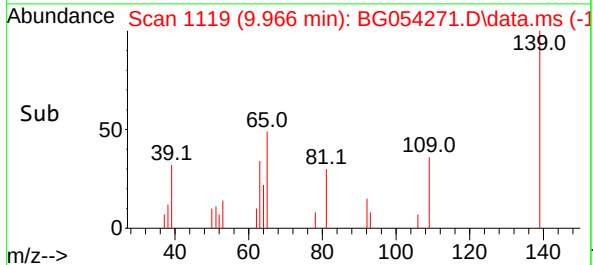
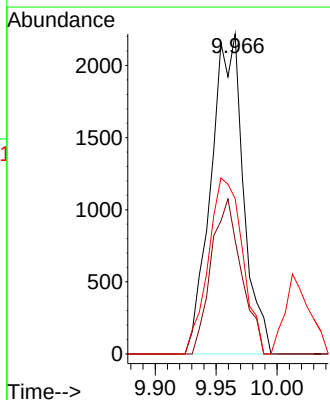
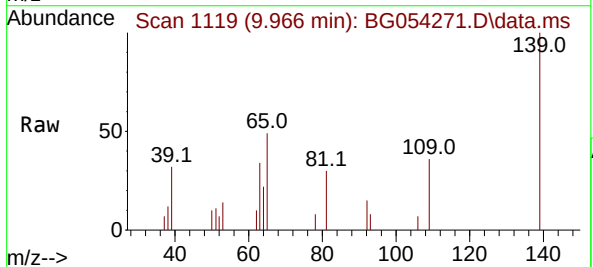
Manual Integrations
APPROVED

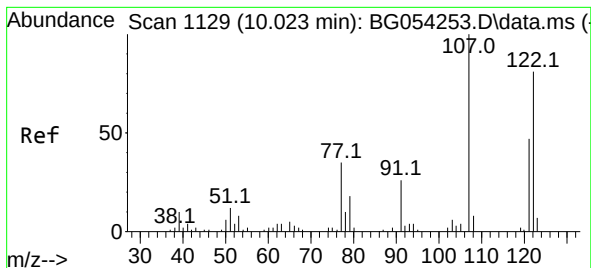
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#26
2-Nitrophenol
Concen: 6.955 ng
RT: 9.966 min Scan# 1119
Delta R.T. 0.007 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

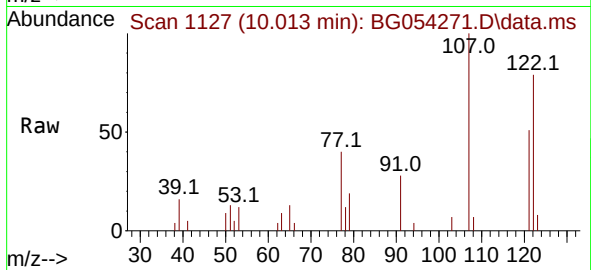
Tgt Ion:139 Resp: 4098
Ion Ratio Lower Upper
139 100
109 35.5 36.1 54.1#
65 48.5 55.8 83.6#





#27
2,4-Dimethylphenol
Concen: 8.072 ng
RT: 10.013 min Scan# 1127
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

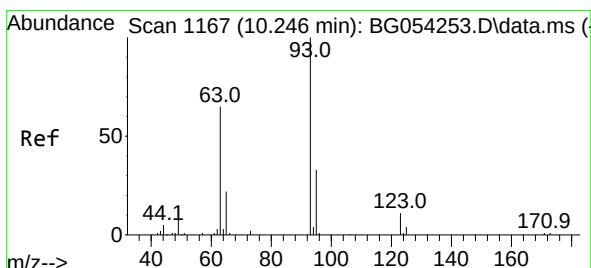
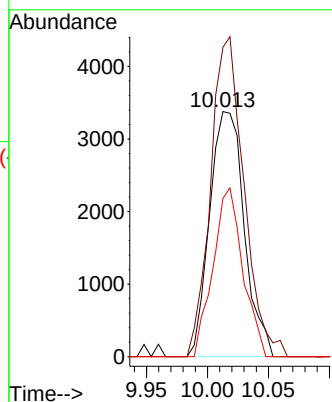
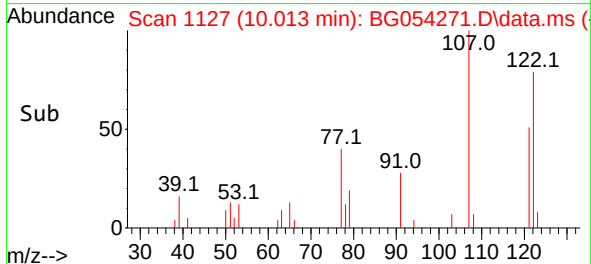
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:122 Resp: 665
Ion Ratio Lower Upper
122 100
107 126.1 109.4 164.0
121 64.6 48.7 73.1

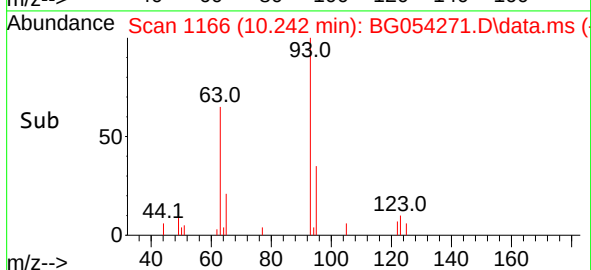
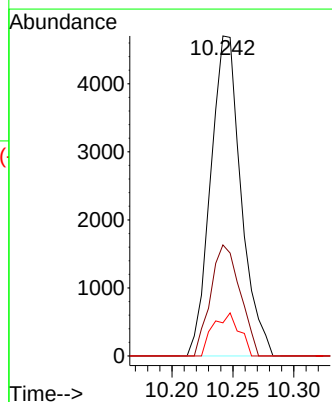
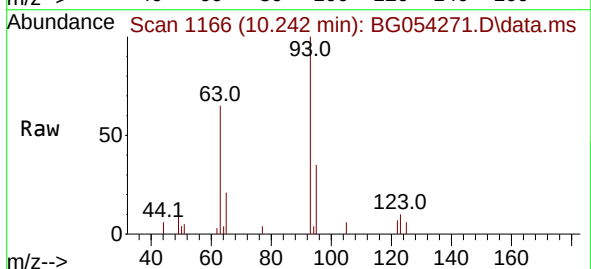
Manual Integrations
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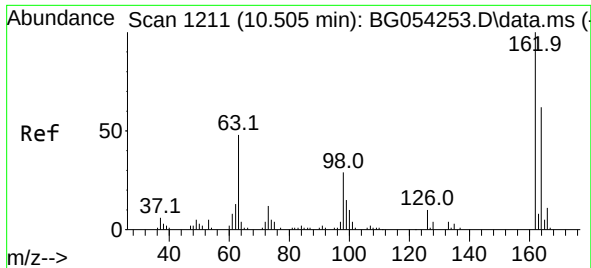
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#28
bis(2-Chloroethoxy)methane
Concen: 7.285 ng
RT: 10.242 min Scan# 1166
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion: 93 Resp: 8161
Ion Ratio Lower Upper
93 100
95 34.7 26.9 40.3
123 10.4 7.7 11.5





#29

2,4-Dichlorophenol

Concen: 7.005 ng

RT: 10.500 min Scan# 1211

Delta R.T. -0.005 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

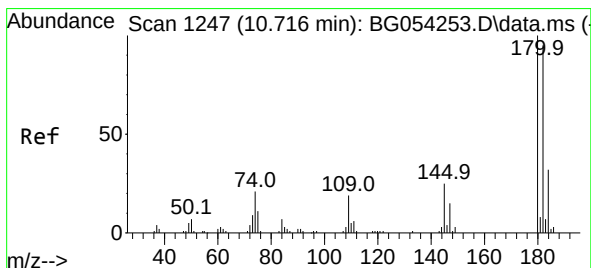
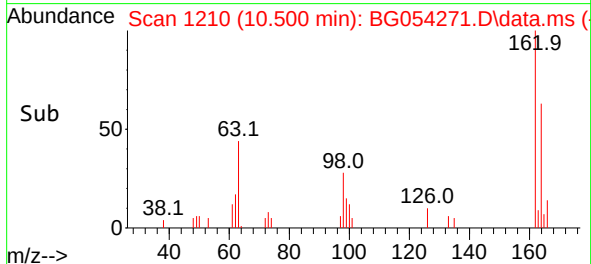
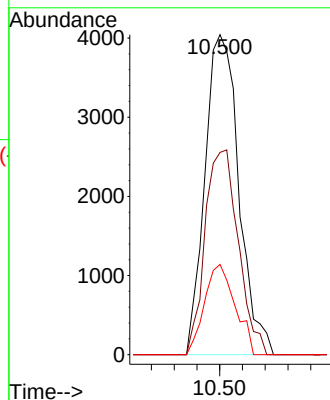
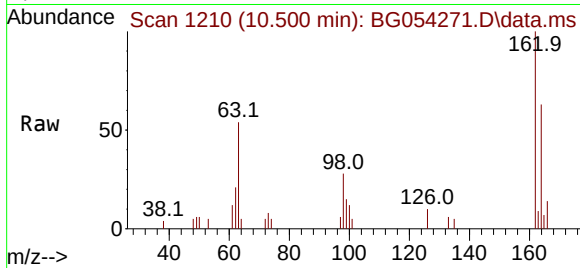
Tgt Ion:162	Resp:	836
Ion Ratio	Lower	Upper
162	100	
164	63.2	46.6 86.6
98	28.2	22.8 62.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#30

1,2,4-Trichlorobenzene

Concen: 7.474 ng

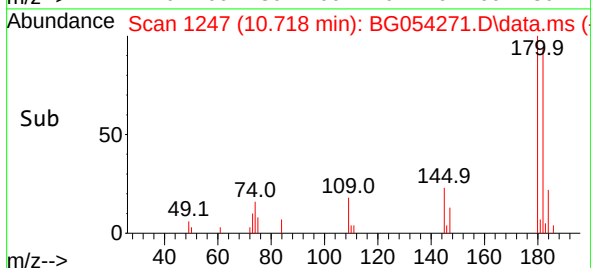
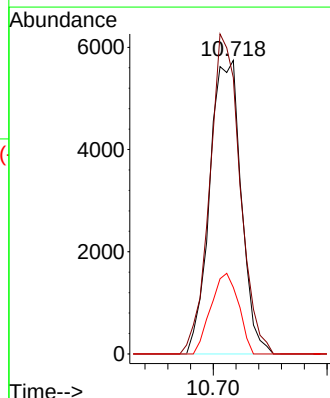
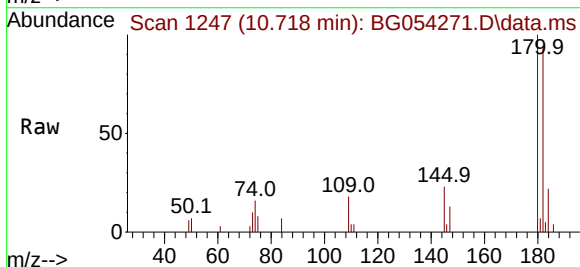
RT: 10.718 min Scan# 1247

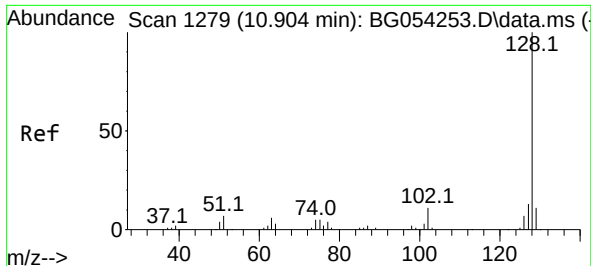
Delta R.T. 0.001 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

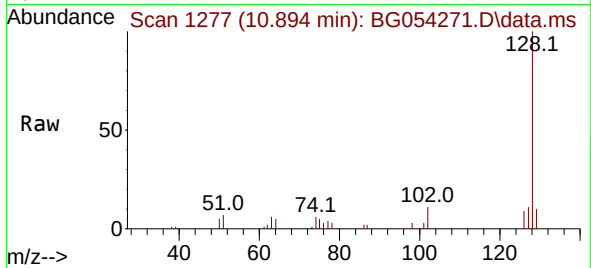
Tgt Ion:180	Resp:	11015
Ion Ratio	Lower	Upper
180	100	
182	94.1	76.6 115.0
145	22.7	25.0 37.4





#31
Naphthalene
Concen: 7.020 ng
RT: 10.894 min Scan# 1154
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

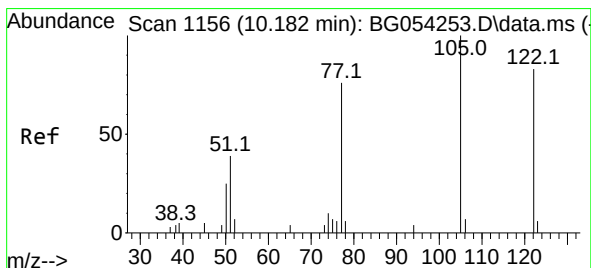
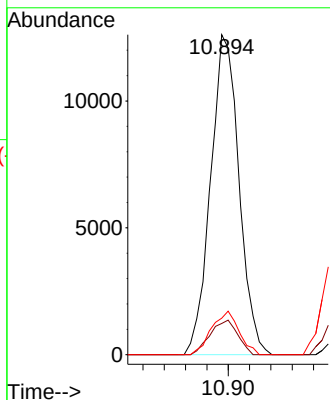
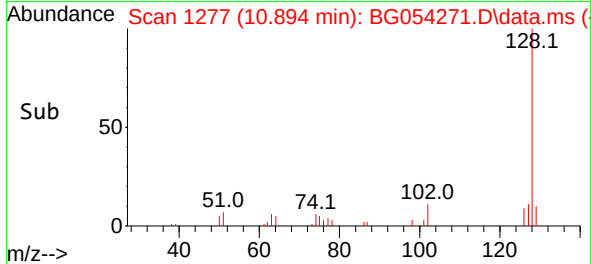
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



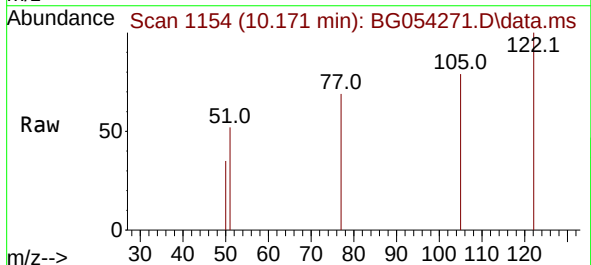
Tgt Ion:128 Resp: 23300
Ion Ratio Lower Upper
128 100
129 9.7 9.0 13.6
127 11.4 11.1 16.7

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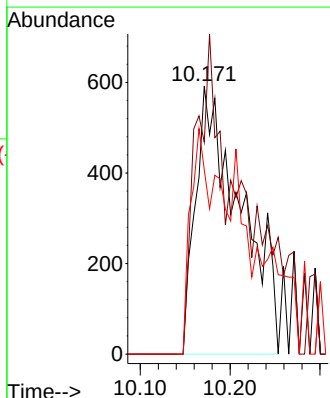
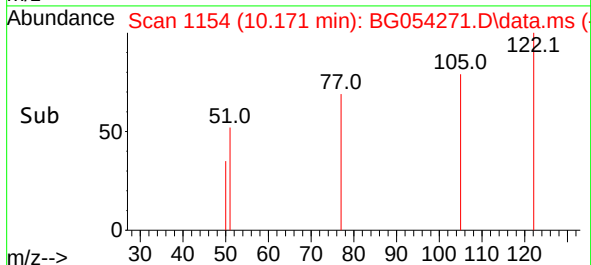
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

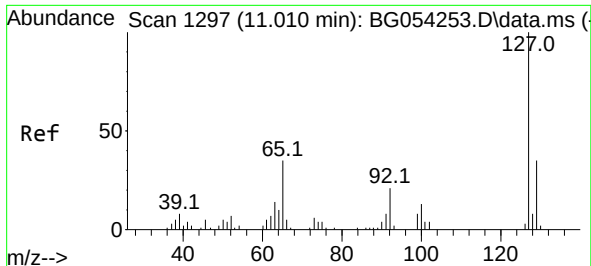


#32
Benzoic acid
Concen: 6.157 ng
RT: 10.171 min Scan# 1154
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



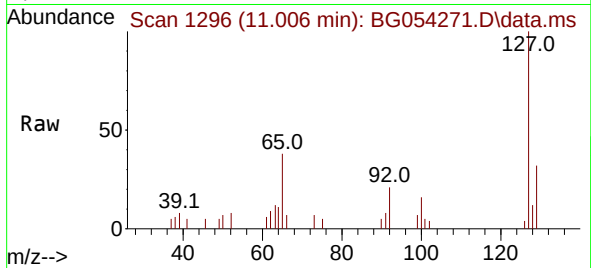
Tgt Ion:122 Resp: 2065
Ion Ratio Lower Upper
122 100
105 79.1 111.8 151.8#
77 68.8 109.4 149.4#





#33
4-Chloroaniline
Concen: 6.890 ng
RT: 11.006 min Scan# 1296
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

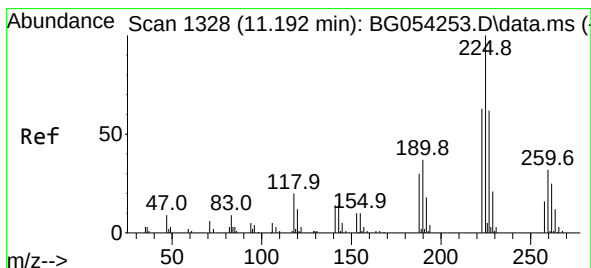
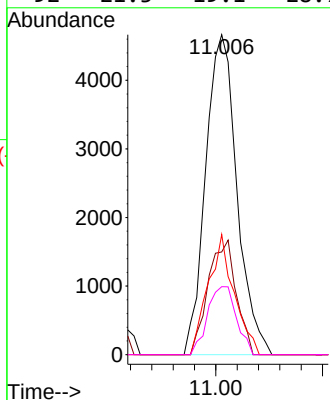
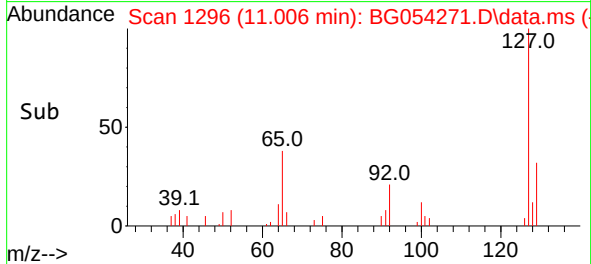
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



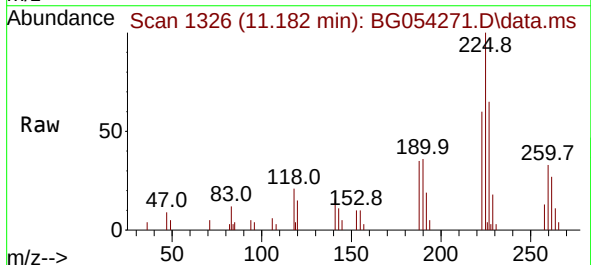
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	37.6	31.1	46.7
92	21.3	19.1	28.7

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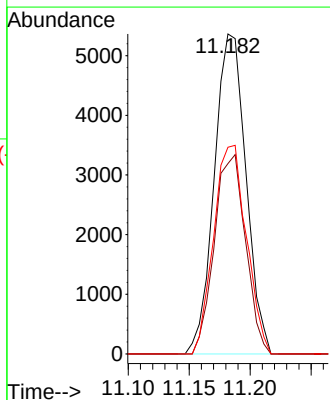
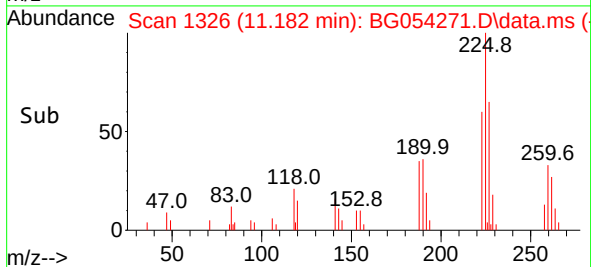
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

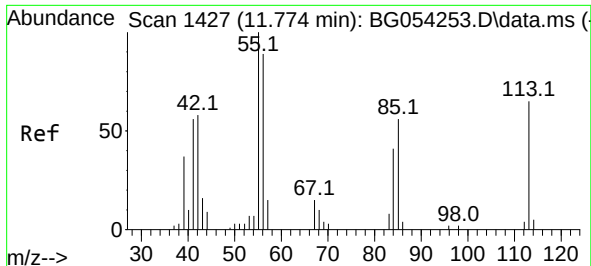


#34
Hexachlorobutadiene
Concen: 7.934 ng
RT: 11.182 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



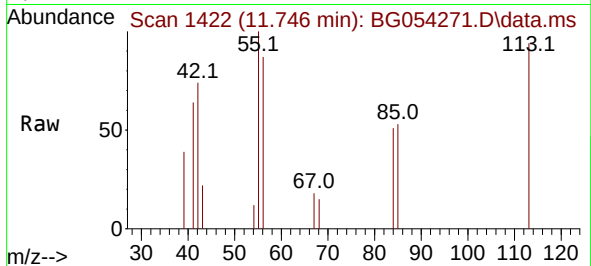
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	48.9	73.3
227	64.6	52.8	79.2





#35
Caprolactam
Concen: 6.444 ng
RT: 11.746 min Scan# 1422
Delta R.T. -0.028 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

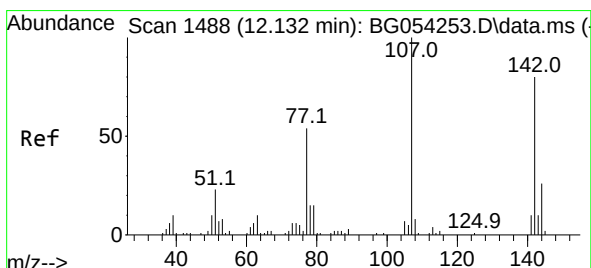
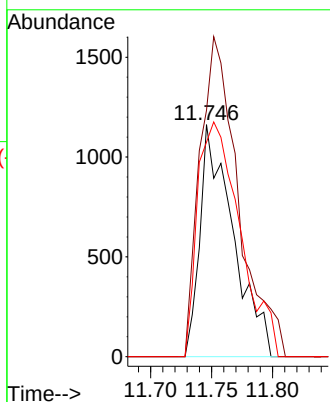
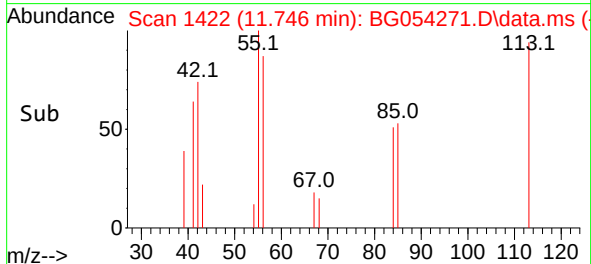
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



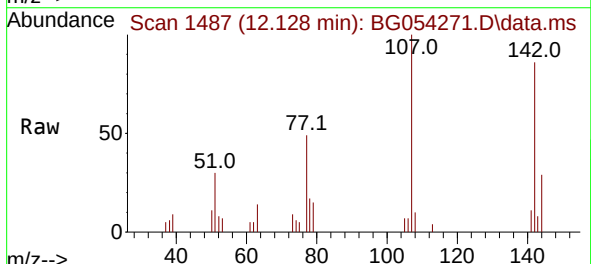
Tgt Ion:113 Resp: 2192
Ion Ratio Lower Upper
113 100
55 106.2 169.8 209.8#
56 92.5 141.2 181.2#

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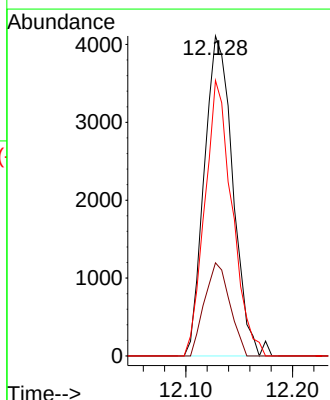
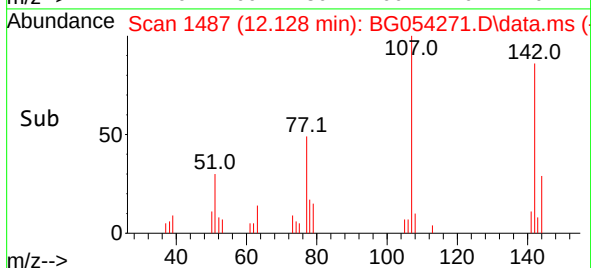
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

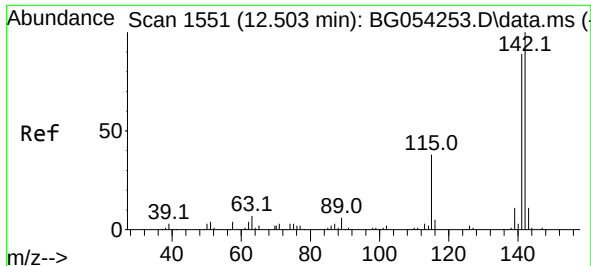


#36
4-Chloro-3-methylphenol
Concen: 6.659 ng
RT: 12.128 min Scan# 1487
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



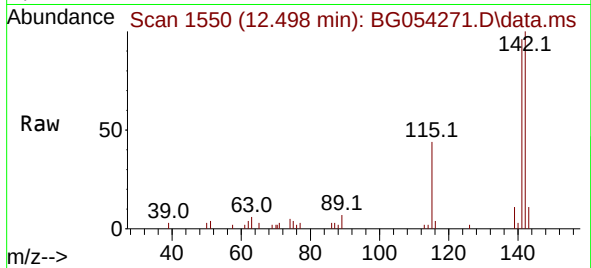
Tgt Ion:107 Resp: 7653
Ion Ratio Lower Upper
107 100
144 29.1 18.5 27.7#
142 86.1 55.0 82.4#





#37
2-Methylnaphthalene
Concen: 6.983 ng
RT: 12.498 min Scan# 1550
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

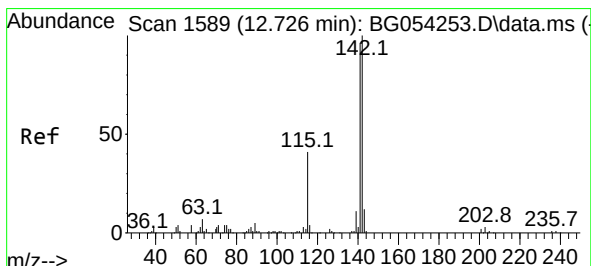
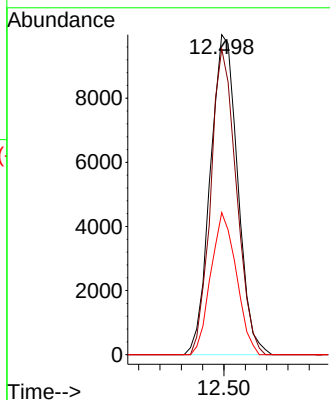
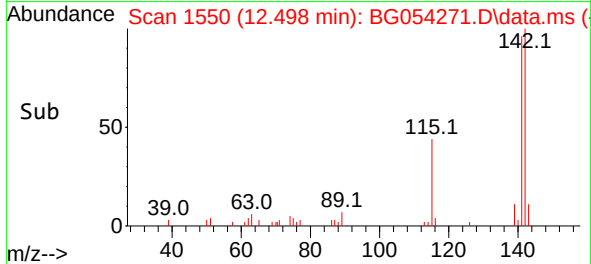
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:142 Resp: 1776
Ion Ratio Lower Upper
142 100
141 95.5 72.3 108.5
115 44.4 33.7 50.5

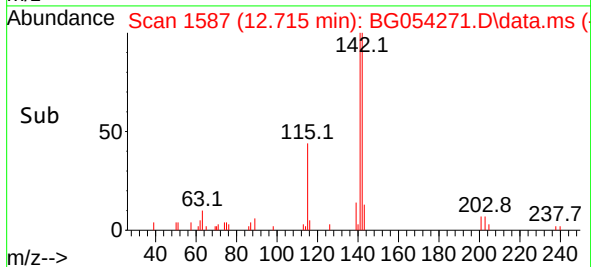
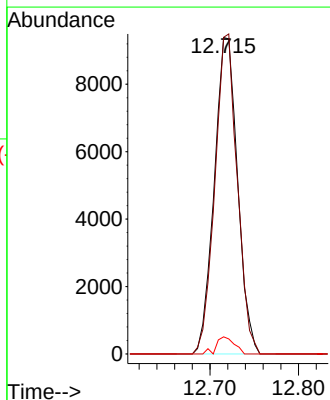
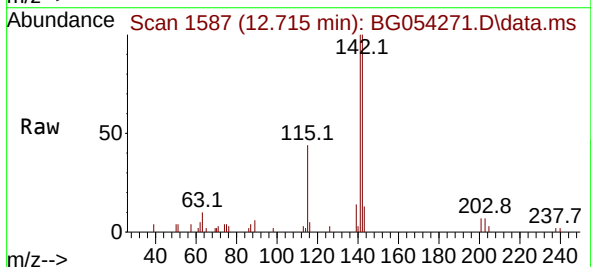
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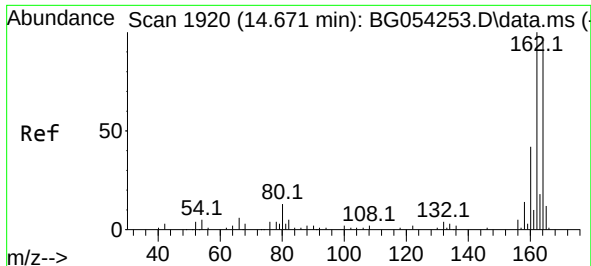
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#38
1-Methylnaphthalene
Concen: 6.942 ng m
RT: 12.715 min Scan# 1587
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion:142 Resp: 17148
Ion Ratio Lower Upper
142 100
141 100.0 76.4 114.6
116 5.4 3.3 4.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.666 min Scan# 1919

Delta R.T. -0.005 min

Lab File: BG054271.D

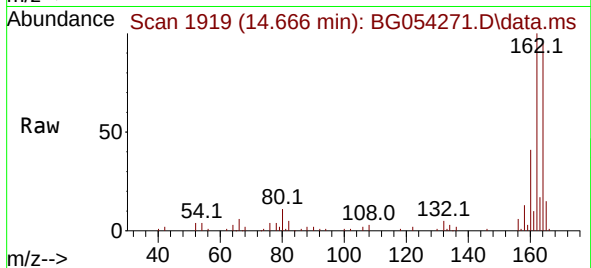
Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:164 Resp: 5423

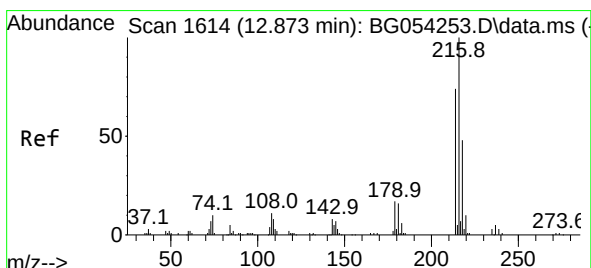
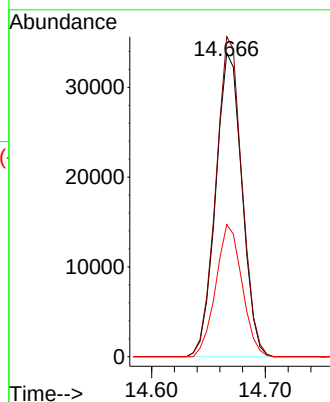
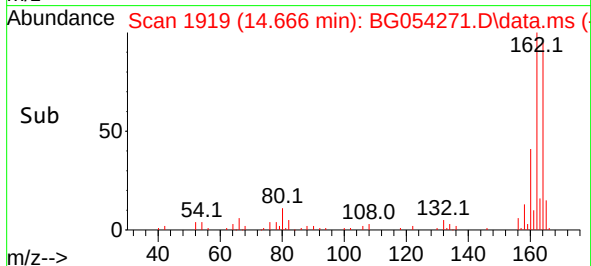
Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.3	123.5
160	43.5	34.2	51.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.912 ng

RT: 12.868 min Scan# 1613

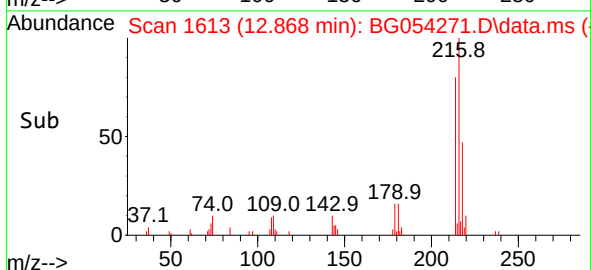
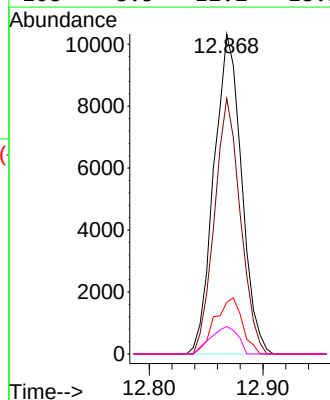
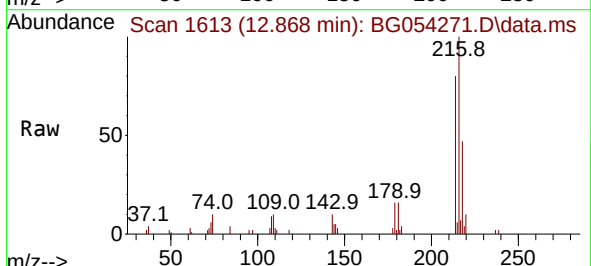
Delta R.T. -0.005 min

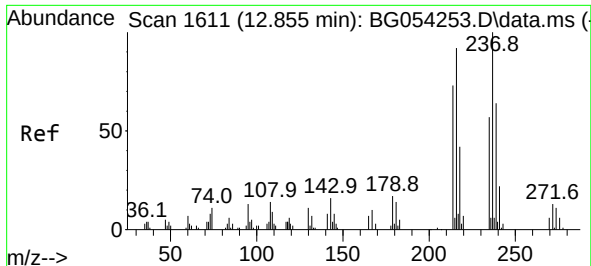
Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

Tgt Ion:216 Resp: 17416

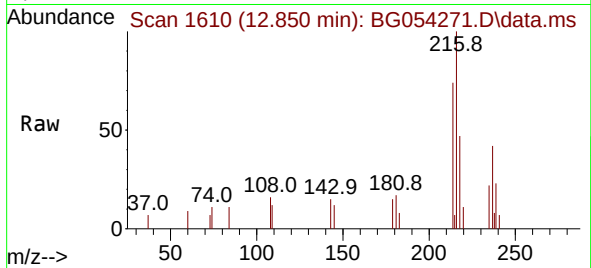
Ion	Ratio	Lower	Upper
216	100		
214	74.8	62.9	94.3
179	17.3	16.1	24.1
108	8.5	12.2	18.2





#41
Hexachlorocyclopentadiene
Concen: 2.810 ng
RT: 12.850 min Scan# 10
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

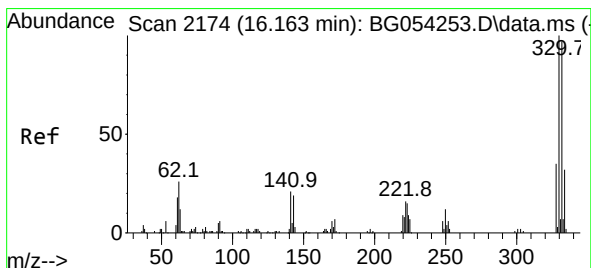
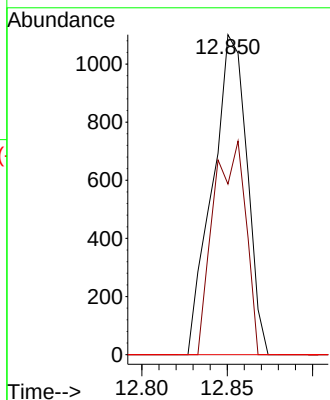
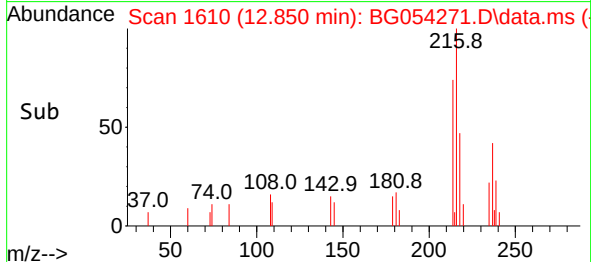
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



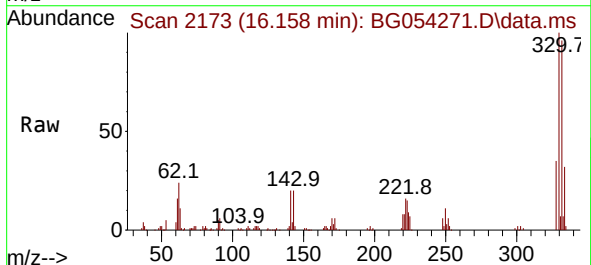
Tgt Ion:237 Resp: 154
Ion Ratio Lower Upper
237 100
235 53.3 43.5 83.5
272 0.0 0.0 30.1

Manual Integrations
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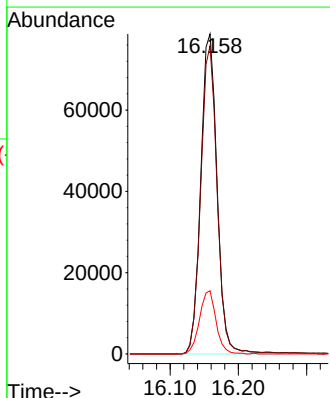
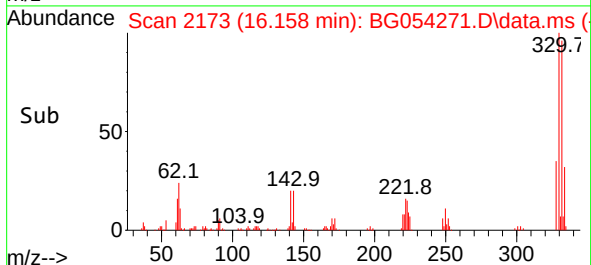
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

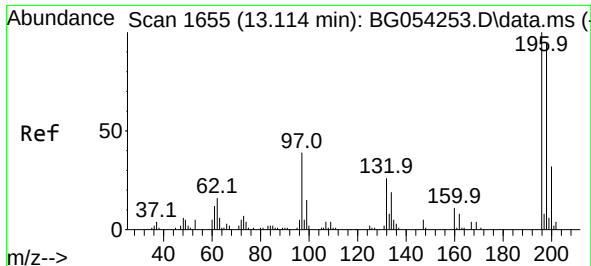


#42
2,4,6-Tribromophenol
Concen: 124.553 ng
RT: 16.158 min Scan# 2173
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



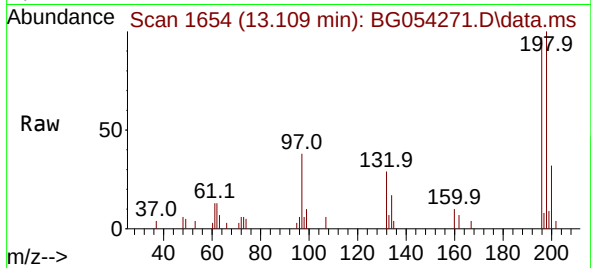
Tgt Ion:330 Resp: 130844
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 19.9 27.1 40.7#





#43
2,4,6-Trichlorophenol
Concen: 7.015 ng
RT: 13.109 min Scan# 1654
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

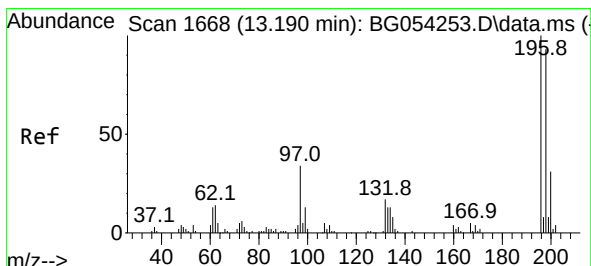
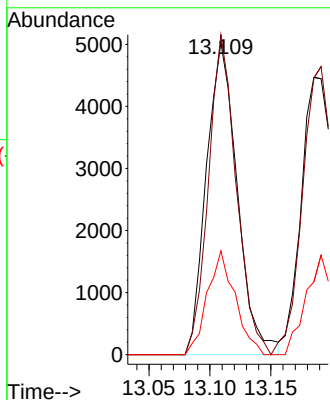
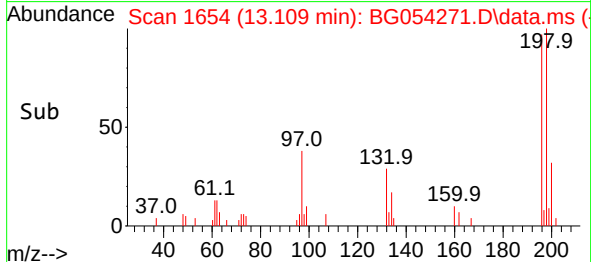
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



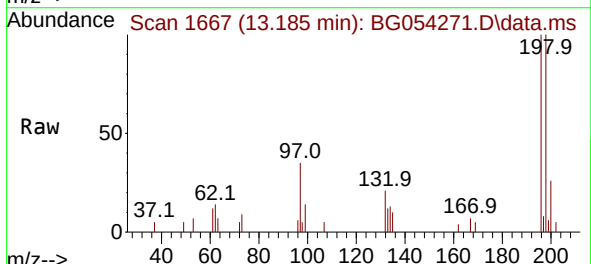
Tgt Ion:196 Resp: 8869
Ion Ratio Lower Upper
196 100
198 102.6 74.1 111.1
200 33.3 24.7 37.1

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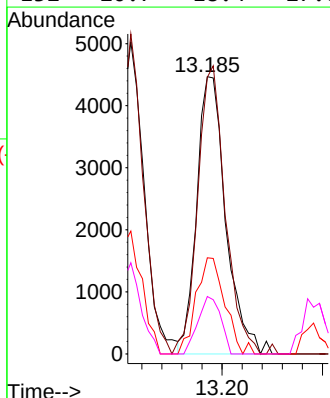
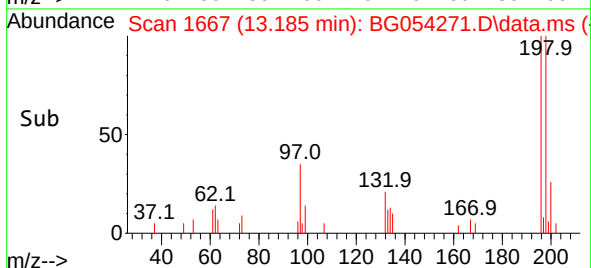
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

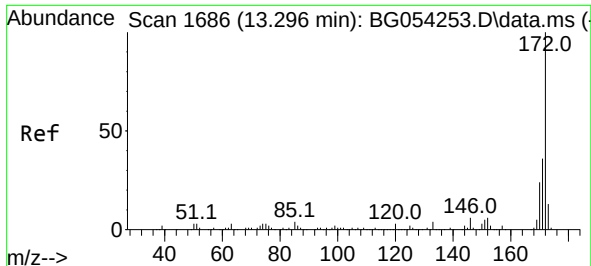


#44
2,4,5-Trichlorophenol
Concen: 6.503 ng
RT: 13.185 min Scan# 1667
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



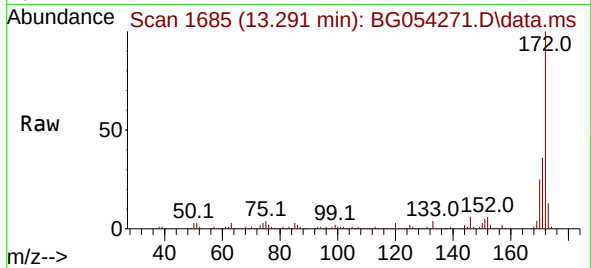
Tgt Ion:196 Resp: 8993
Ion Ratio Lower Upper
196 100
198 99.8 76.8 115.2
97 34.6 39.8 59.6#
132 20.7 18.4 27.6





#45
2-Fluorobiphenyl
Concen: 86.282 ng
RT: 13.291 min Scan# 1685
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

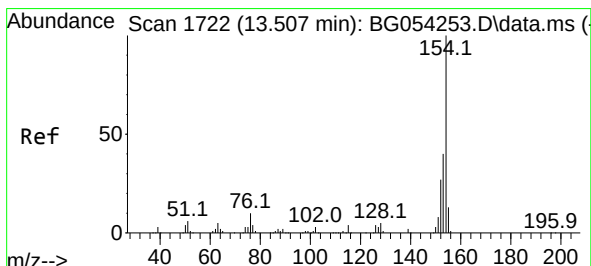
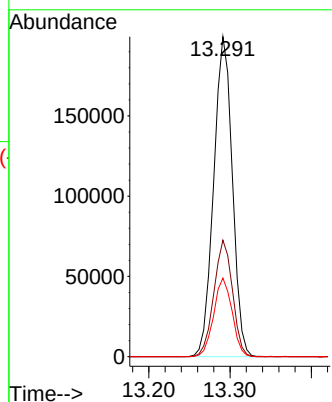
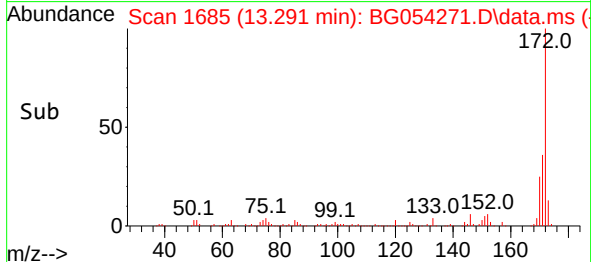
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



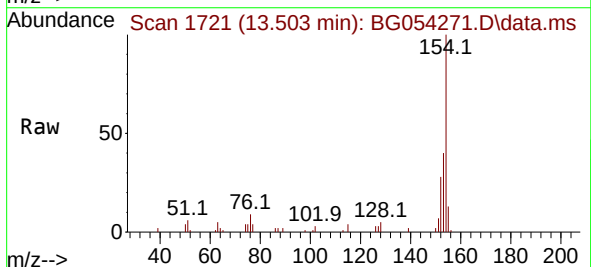
Tgt Ion:172 Resp: 31845
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.6 18.9 28.3

Manual Integrations
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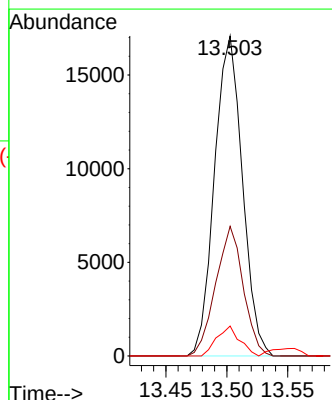
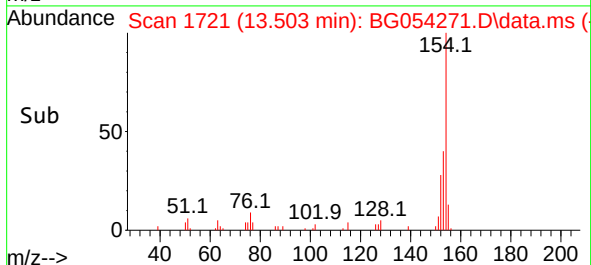
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

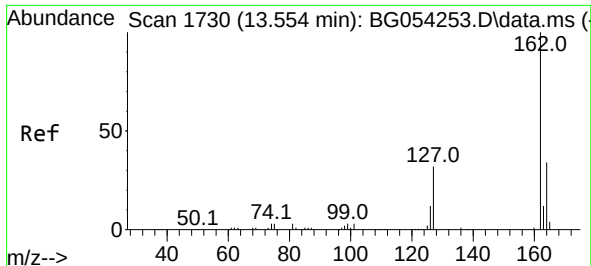


#46
1,1'-Biphenyl
Concen: 7.451 ng
RT: 13.503 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



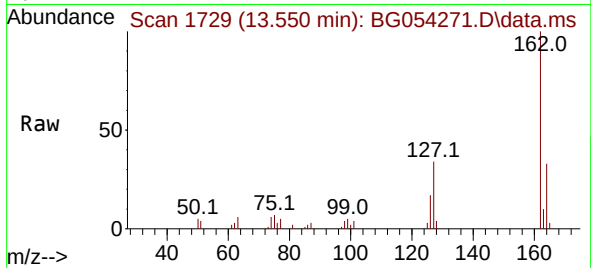
Tgt Ion:154 Resp: 27171
Ion Ratio Lower Upper
154 100
153 40.5 21.6 61.6
76 9.4 0.0 32.6





#47
2-Chloronaphthalene
Concen: 7.070 ng
RT: 13.550 min Scan# 1729
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

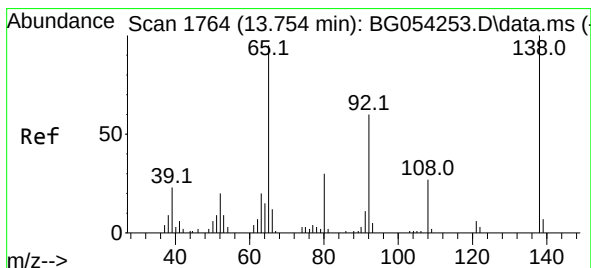
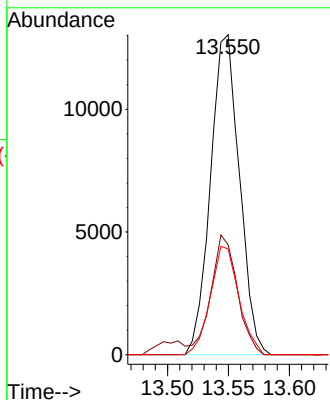
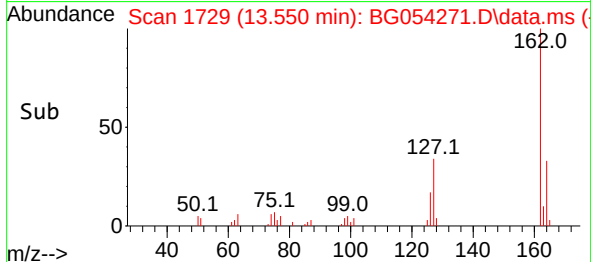
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:162 Resp: 21554
Ion Ratio Lower Upper
162 100
127 34.4 30.6 45.8
164 33.0 26.5 39.7

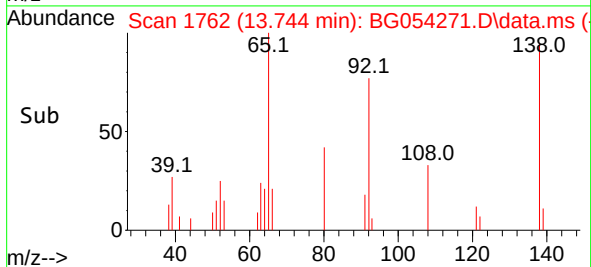
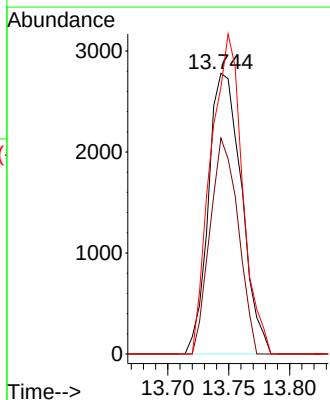
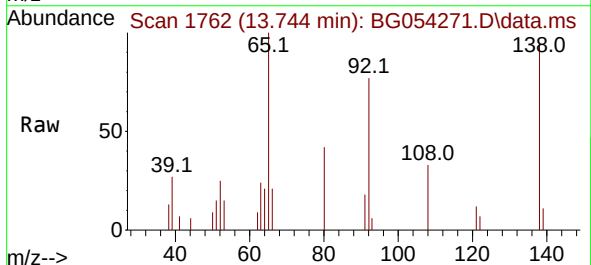
Manual Integrations
APPROVED

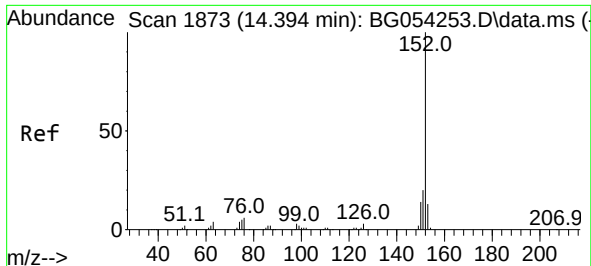
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#48
2-Nitroaniline
Concen: 6.078 ng
RT: 13.744 min Scan# 1762
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

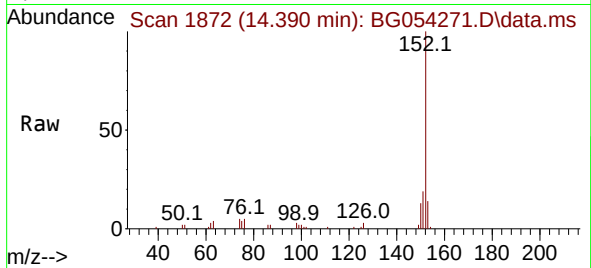
Tgt Ion: 65 Resp: 5244
Ion Ratio Lower Upper
65 100
92 76.9 51.5 77.3
138 95.0 71.3 106.9





#49
Acenaphthylene
Concen: 7.307 ng
RT: 14.390 min Scan# 1873
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

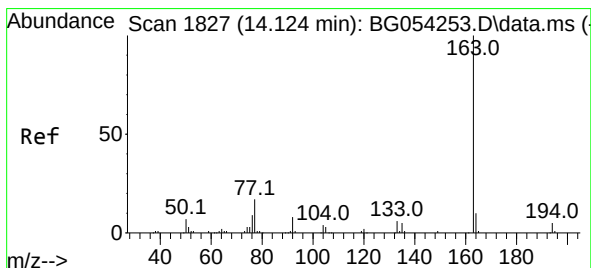
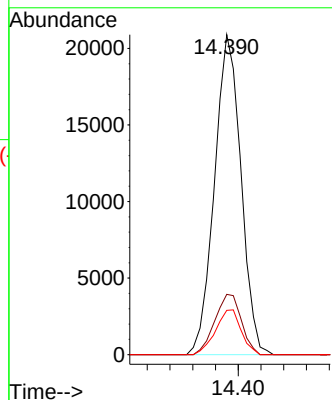
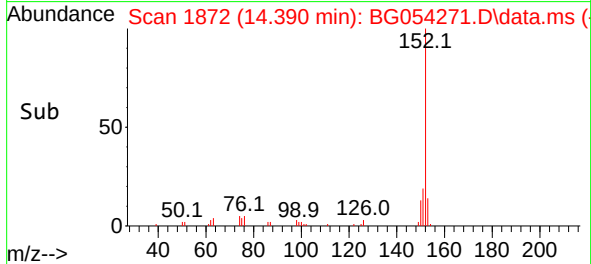
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 33790
Ion Ratio Lower Upper
152 100
151 18.9 16.4 24.6
153 13.8 10.8 16.2

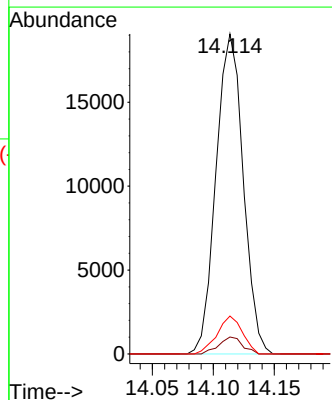
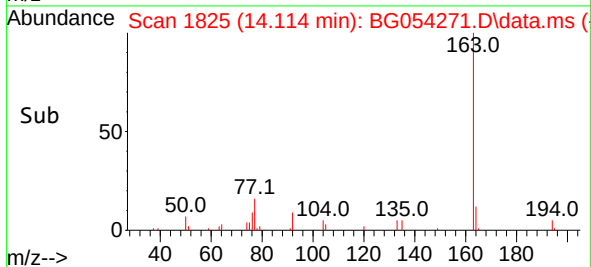
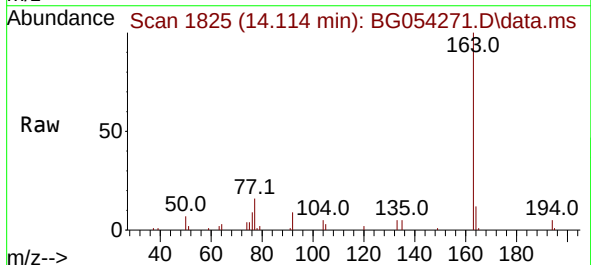
Manual Integrations
APPROVED

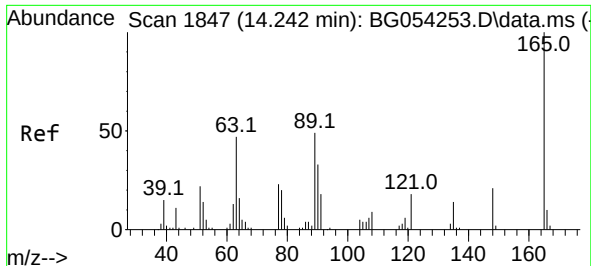
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#50
Dimethylphthalate
Concen: 6.942 ng
RT: 14.114 min Scan# 1825
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

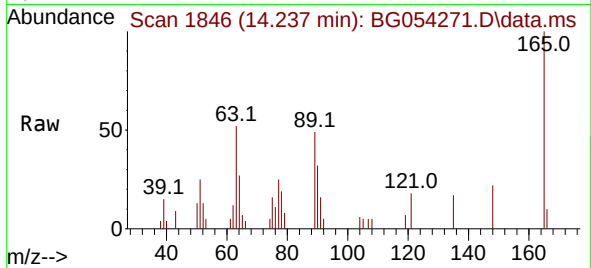
Tgt Ion:163 Resp: 29559
Ion Ratio Lower Upper
163 100
194 5.3 3.0 4.6#
164 11.9 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 7.081 ng
RT: 14.237 min Scan# 1846
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

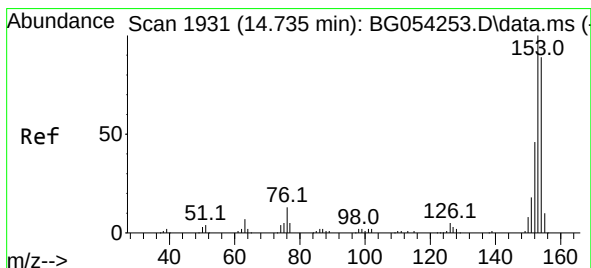
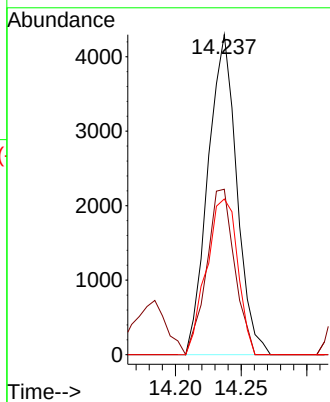
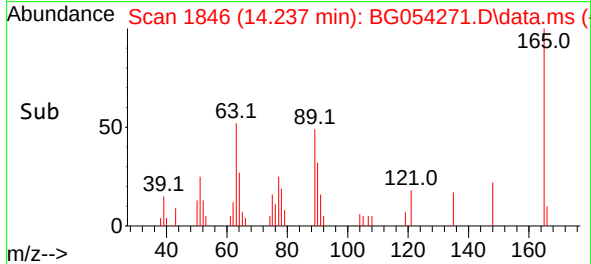
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:165 Resp: 655
Ion Ratio Lower Upper
165 100
63 51.7 54.1 81.1
89 48.7 54.8 82.2

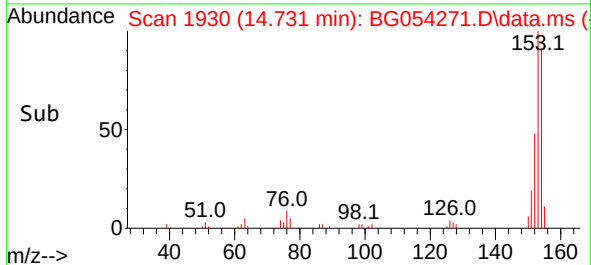
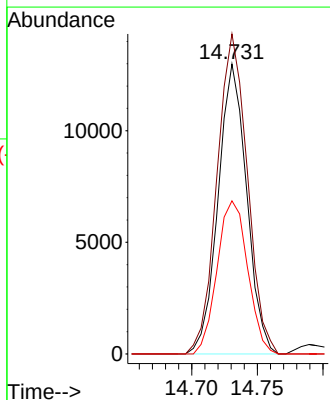
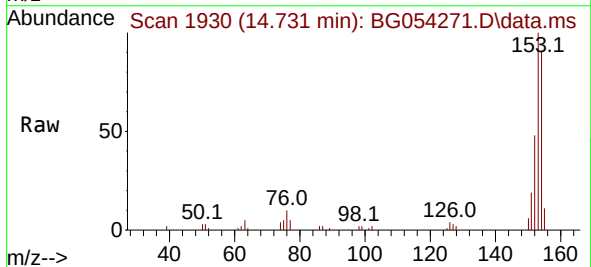
Manual Integrations
APPROVED

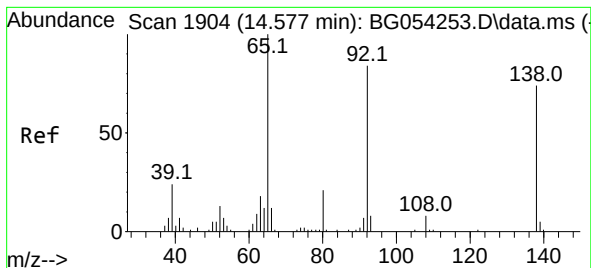
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#52
Acenaphthene
Concen: 7.017 ng
RT: 14.731 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

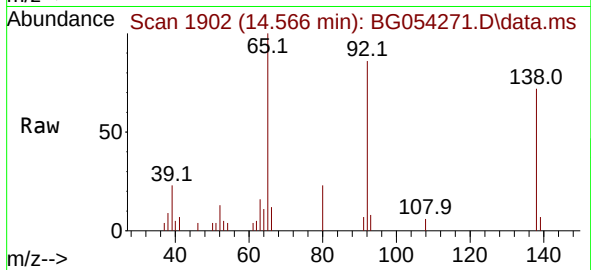
Tgt Ion:154 Resp: 19629
Ion Ratio Lower Upper
154 100
153 110.4 92.7 139.1
152 52.8 42.6 64.0





#53
3-Nitroaniline
Concen: 6.186 ng
RT: 14.566 min Scan# 1902
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

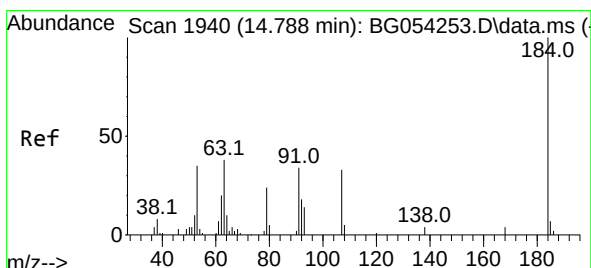
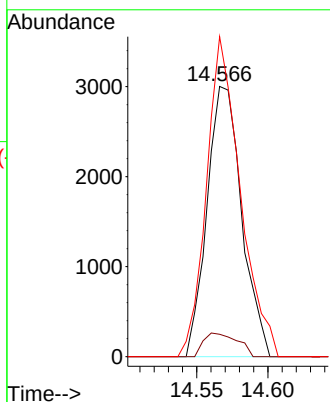
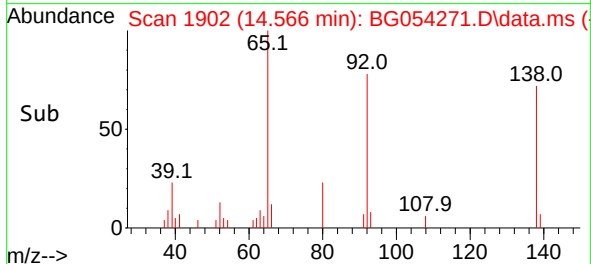
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



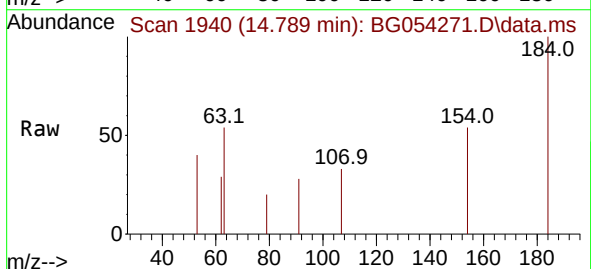
Tgt Ion:138 Resp: 5079
Ion Ratio Lower Upper
138 100
108 8.3 9.2 13.8#
92 118.4 101.9 152.9

Manual Integrations
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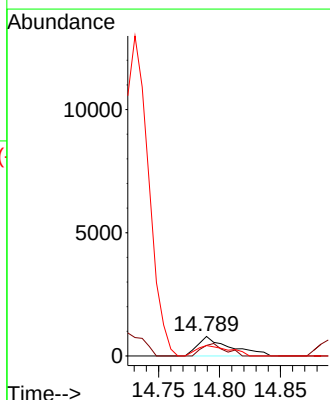
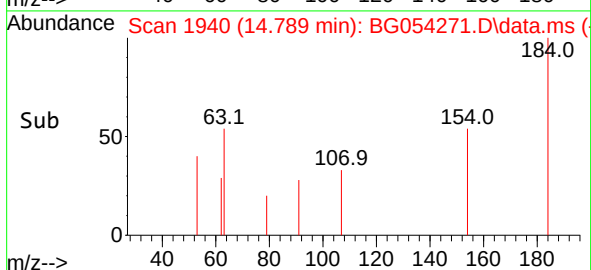
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

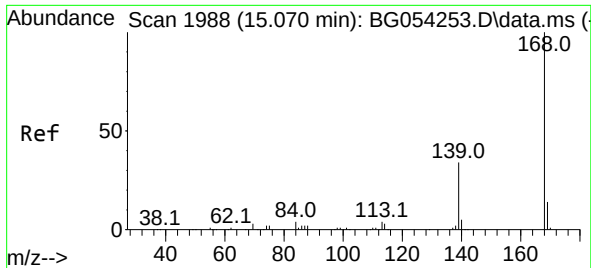


#54
2,4-Dinitrophenol
Concen: 3.332 ng
RT: 14.789 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



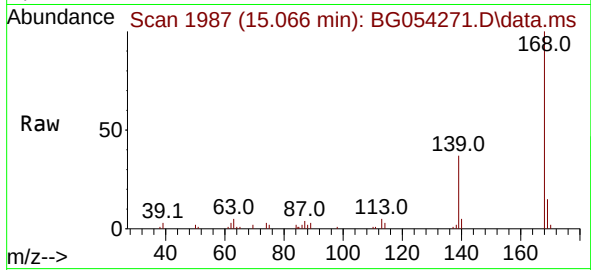
Tgt Ion:184 Resp: 1446
Ion Ratio Lower Upper
184 100
63 53.8 61.1 91.7#
154 53.5 60.6 91.0#





#55
Dibenzenofuran
Concen: 7.269 ng
RT: 15.066 min Scan# 1987
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

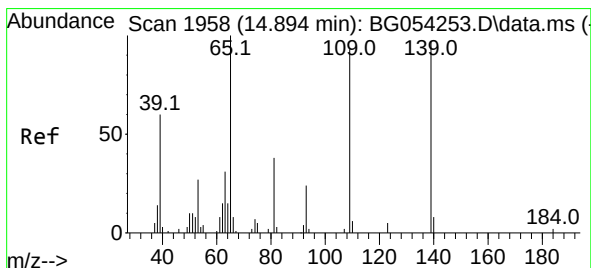
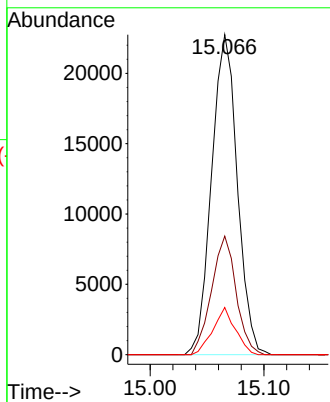
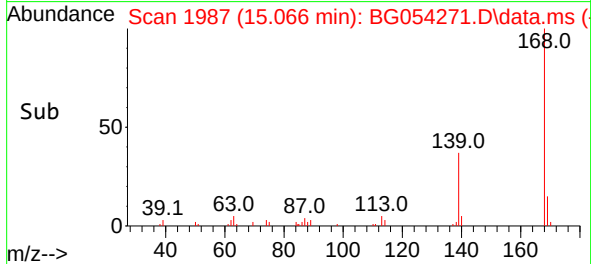
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 35714
Ion Ratio Lower Upper
168 100
139 37.0 30.5 45.7
169 14.7 10.3 15.5

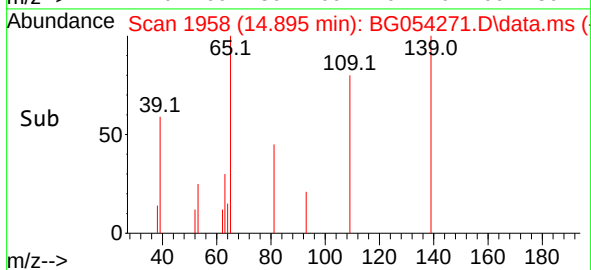
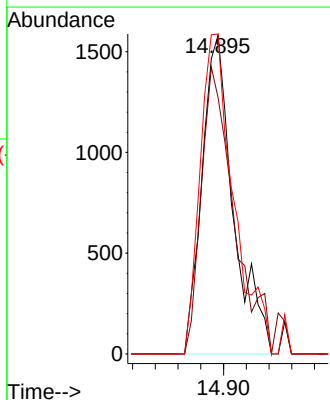
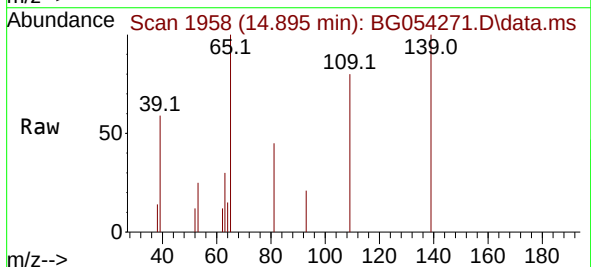
Manual Integrations
APPROVED

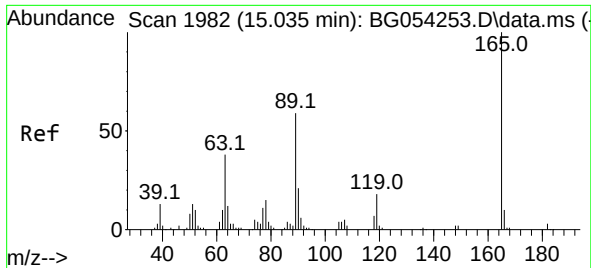
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#56
4-Nitrophenol
Concen: 5.747 ng
RT: 14.895 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

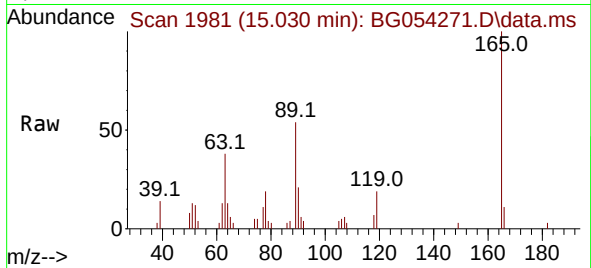
Tgt Ion:139 Resp: 3029
Ion Ratio Lower Upper
139 100
109 80.5 88.5 128.5#
65 100.4 93.9 133.9





#57
2,4-Dinitrotoluene
Concen: 6.823 ng
RT: 15.030 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

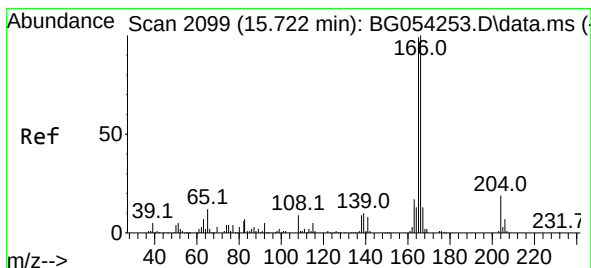
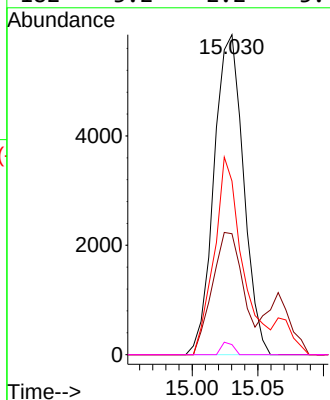
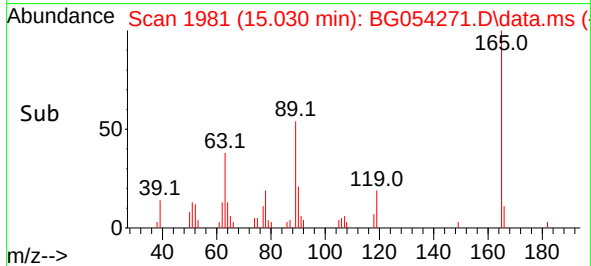
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



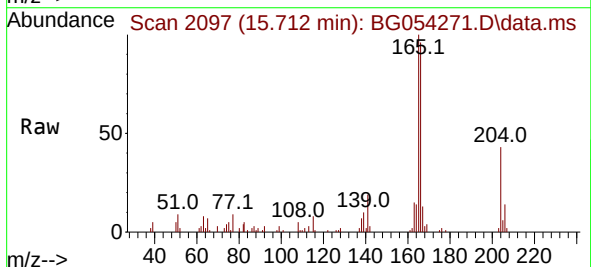
Tgt Ion:165 Resp: 914
Ion Ratio Lower Upper
165 100
63 37.8 34.6 52.0
89 54.3 60.3 90.5
182 3.2 2.2 3.4

Manual Integrations
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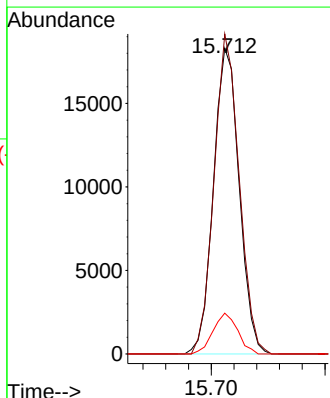
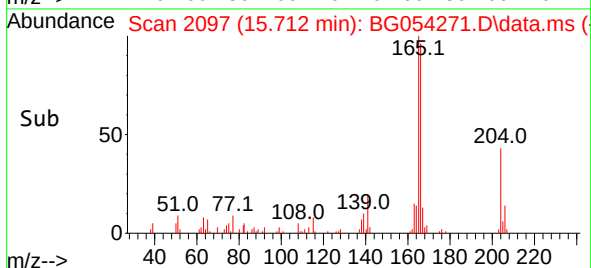
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

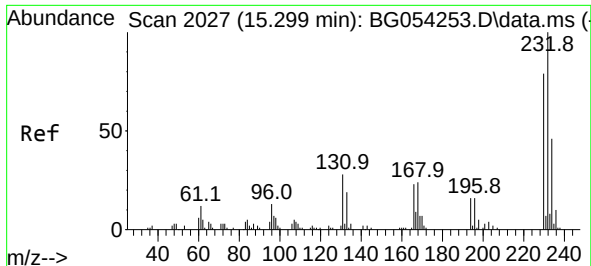


#58
Fluorene
Concen: 7.030 ng
RT: 15.712 min Scan# 2097
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



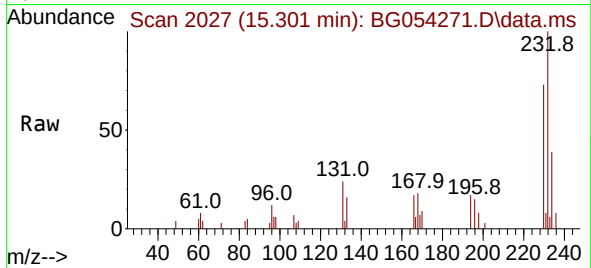
Tgt Ion:166 Resp: 28697
Ion Ratio Lower Upper
166 100
165 104.7 75.0 112.6
167 13.4 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.757 ng
RT: 15.301 min Scan# 2027
Delta R.T. 0.001 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

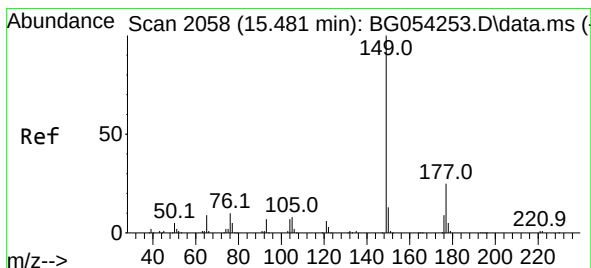
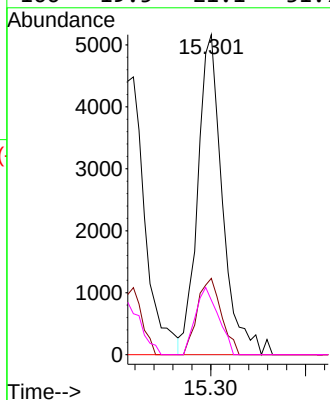
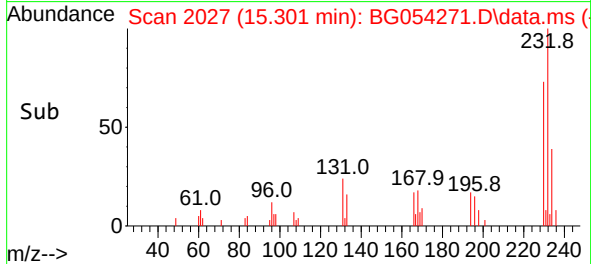
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



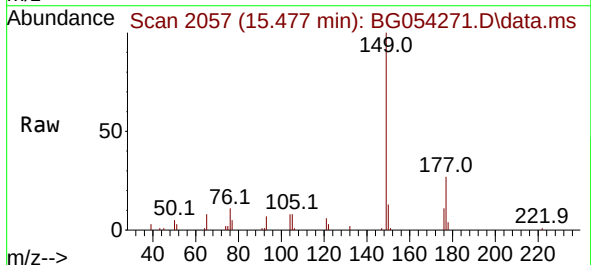
Tgt Ion:232 Resp: 9359
Ion Ratio Lower Upper
232 100
131 23.2 30.6 46.0
130 0.0 1.8 2.8
166 19.5 21.1 31.7

Manual Integrations
APPROVED

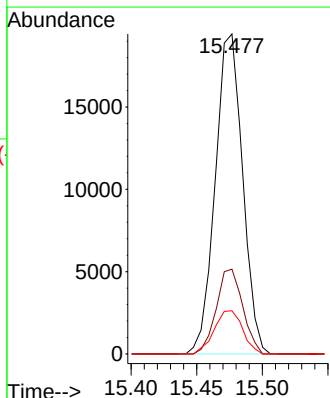
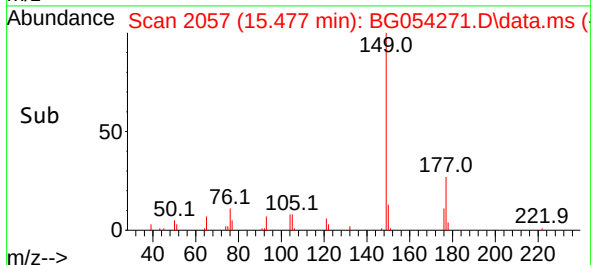
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

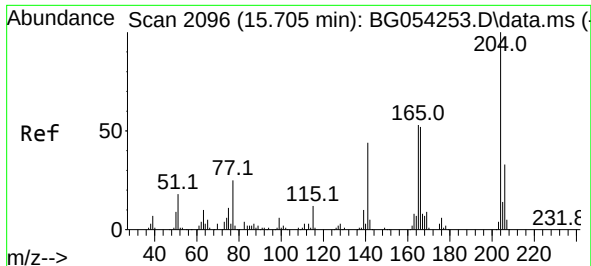


#60
Diethylphthalate
Concen: 6.791 ng
RT: 15.477 min Scan# 2057
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



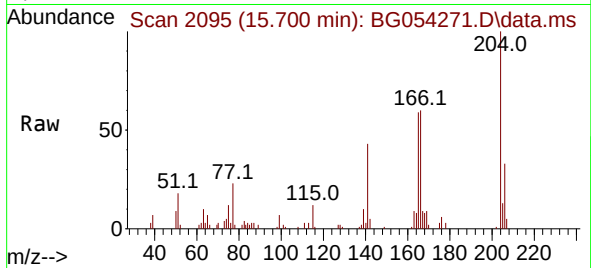
Tgt Ion:149 Resp: 28201
Ion Ratio Lower Upper
149 100
177 26.5 18.4 27.6
150 13.5 11.2 16.8





#61
4-Chlorophenyl-phenylether
Concen: 7.621 ng
RT: 15.700 min Scan# 2096
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

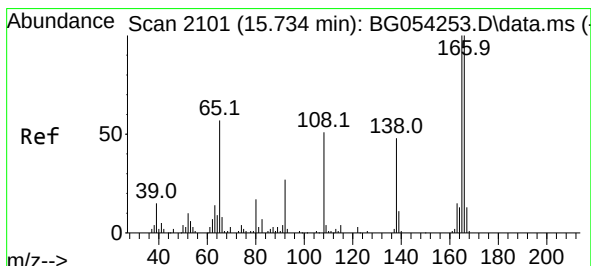
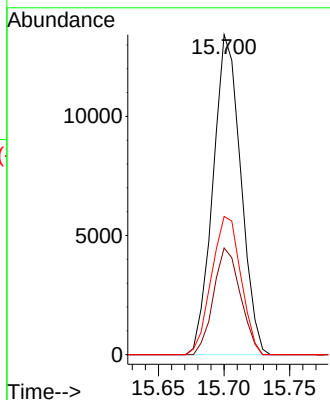
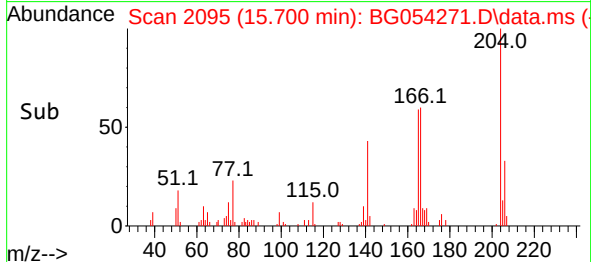
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:204 Resp: 19760
Ion Ratio Lower Upper
204 100
206 33.3 27.5 41.3
141 43.2 45.3 67.9

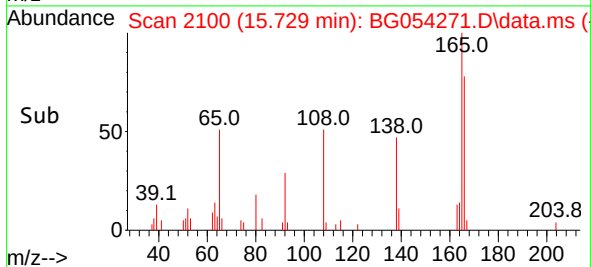
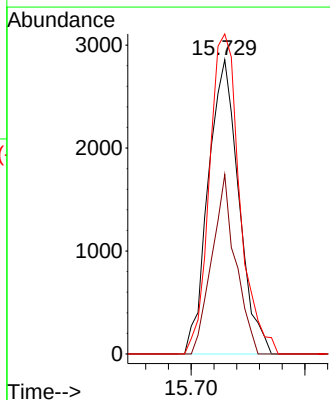
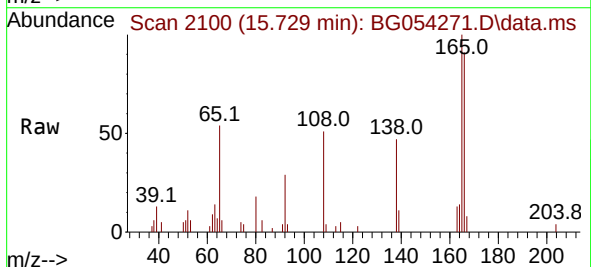
Manual Integrations
APPROVED

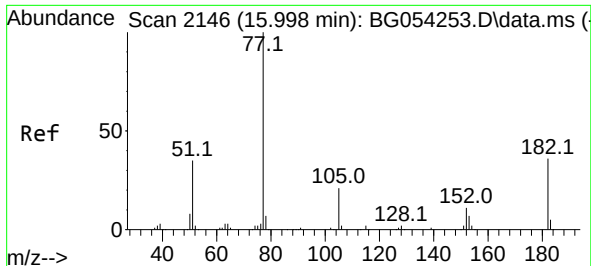
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#62
4-Nitroaniline
Concen: 6.236 ng
RT: 15.729 min Scan# 2100
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

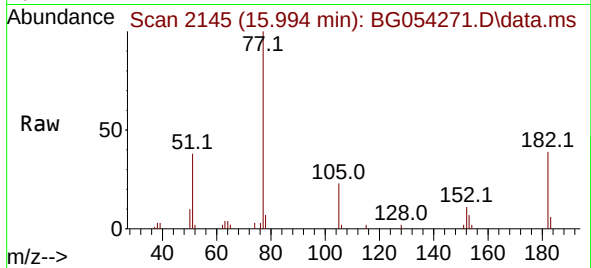
Tgt Ion:138 Resp: 5343
Ion Ratio Lower Upper
138 100
92 61.0 40.5 80.5
108 108.7 103.7 143.7





#63
 Azobenzene
 Concen: 6.514 ng
 RT: 15.994 min Scan# 2145
 Delta R.T. -0.005 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

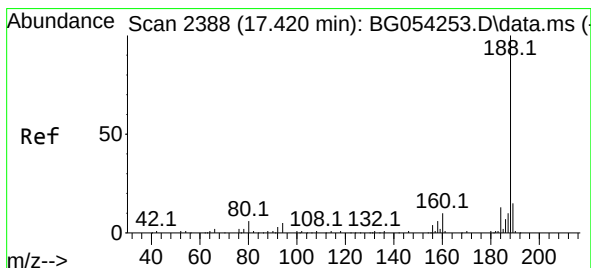
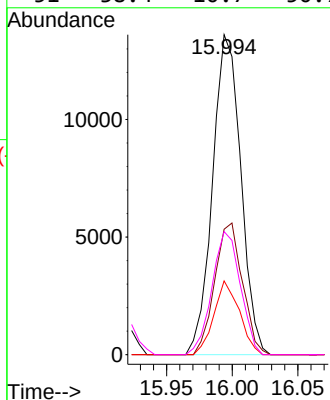
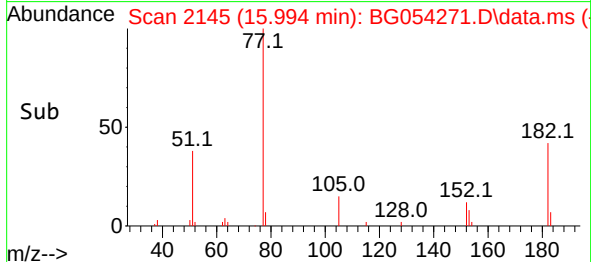
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 77 Resp: 20380
 Ion Ratio Lower Upper
 77 100
 182 39.2 3.8 43.8
 105 23.1 0.0 37.8
 51 38.4 10.7 50.7

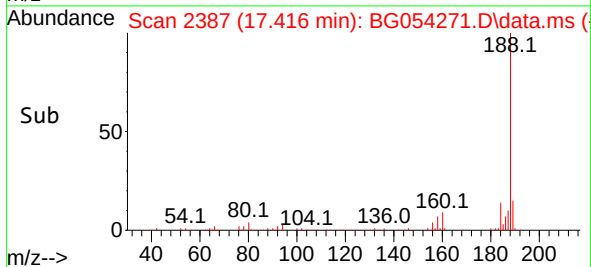
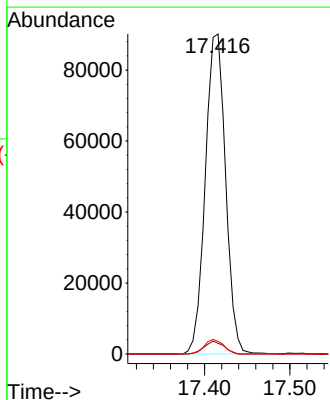
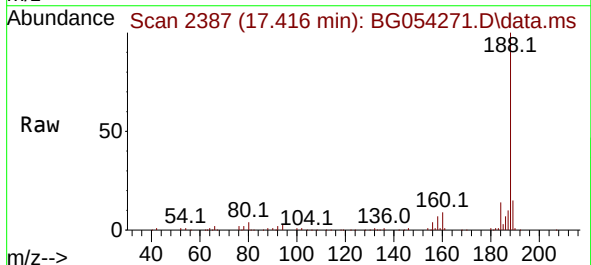
Manual Integrations
 APPROVED

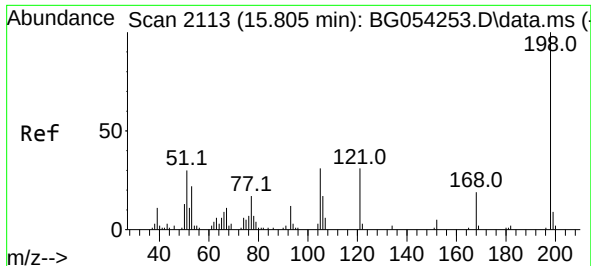
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.416 min Scan# 2387
 Delta R.T. -0.004 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

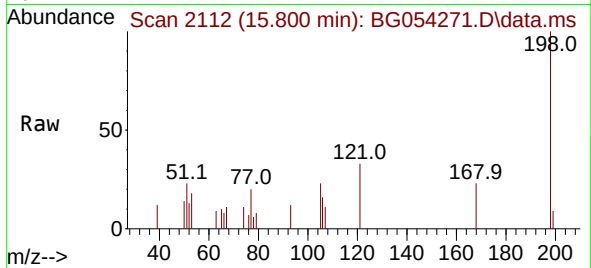
Tgt Ion:188 Resp: 149173
 Ion Ratio Lower Upper
 188 100
 94 3.4 5.4 8.0#
 80 4.0 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 4.935 ng
RT: 15.800 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

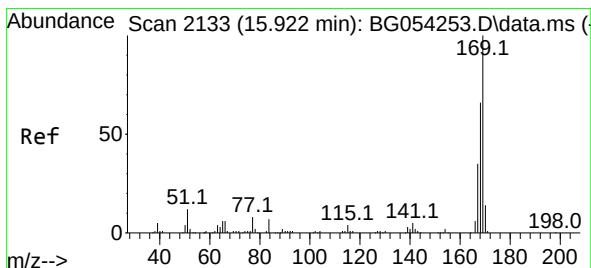
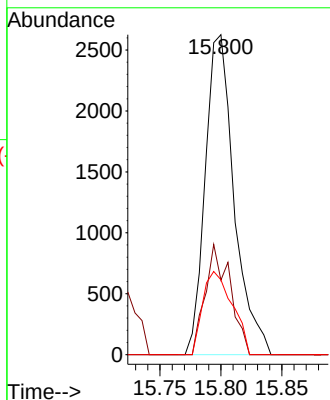
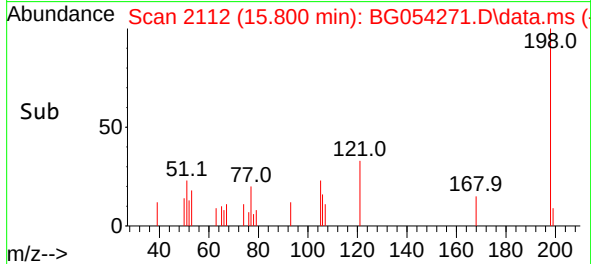
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:198 Resp: 433
Ion Ratio Lower Upper
198 100
51 23.3 28.1 68.1
105 23.4 20.3 60.3

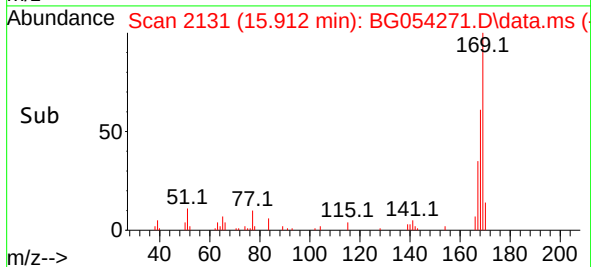
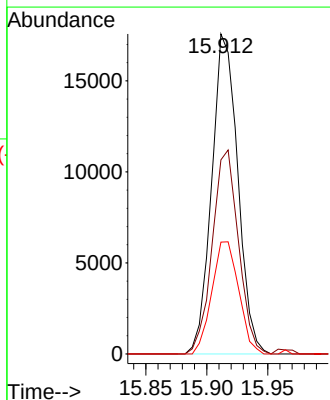
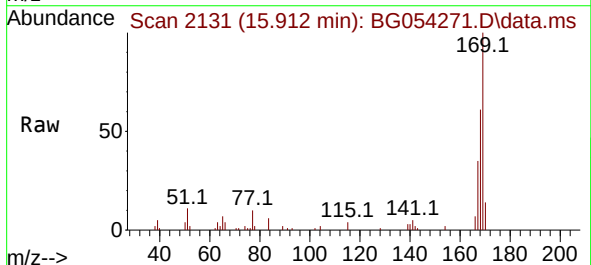
Manual Integrations
APPROVED

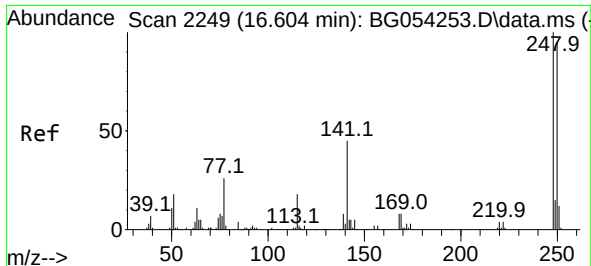
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#66
n-Nitrosodiphenylamine
Concen: 6.945 ng
RT: 15.912 min Scan# 2131
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

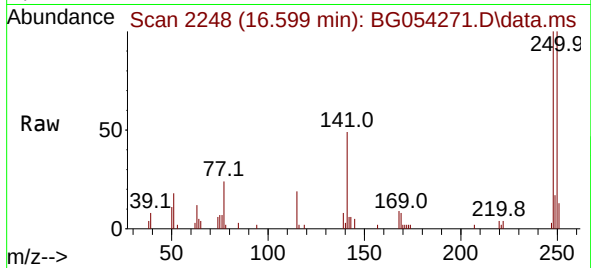
Tgt Ion:169 Resp: 26130
Ion Ratio Lower Upper
169 100
168 60.7 55.9 83.9
167 34.9 30.6 46.0





#67
4-Bromophenyl-phenylether
Concen: 7.382 ng
RT: 16.599 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

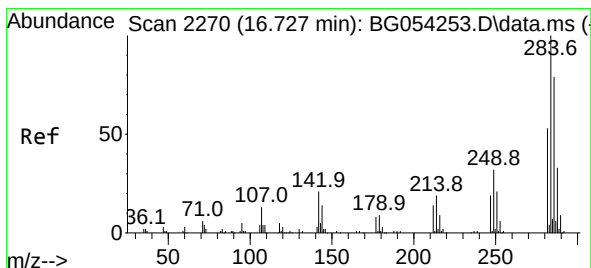
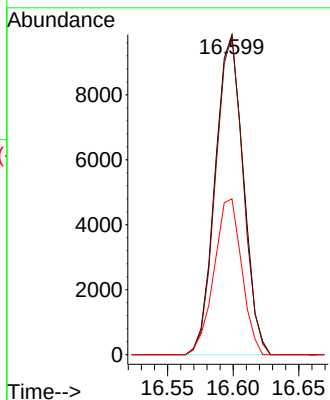
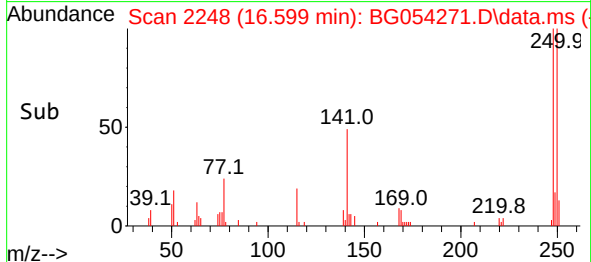
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



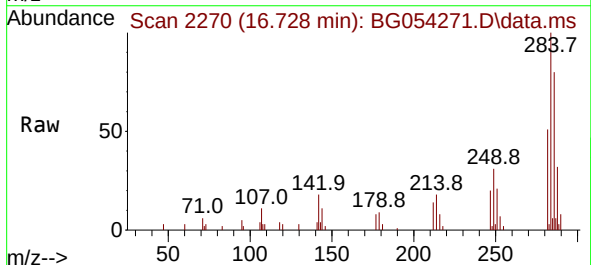
Tgt Ion:248 Resp: 1468
Ion Ratio Lower Upper
248 100
250 99.5 75.2 112.8
141 48.7 50.0 75.0

Manual Integrations
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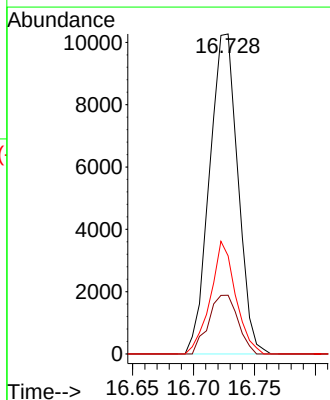
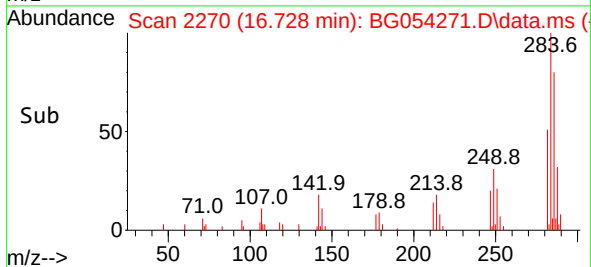
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

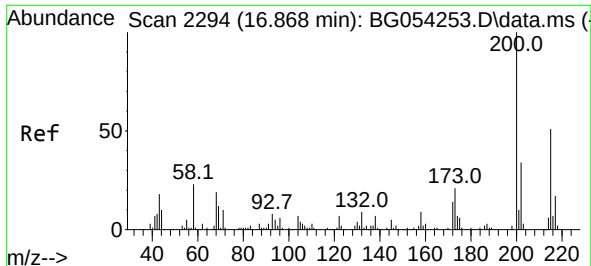


#68
Hexachlorobenzene
Concen: 7.335 ng
RT: 16.728 min Scan# 2270
Delta R.T. 0.001 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



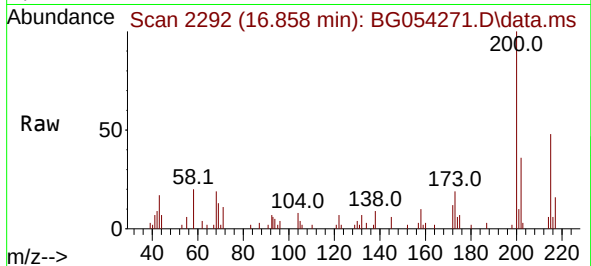
Tgt Ion:284 Resp: 16658
Ion Ratio Lower Upper
284 100
142 18.4 23.6 35.4#
249 30.7 25.8 38.6





#69
 Atrazine
 Concen: 7.863 ng
 RT: 16.858 min Scan# 211
 Delta R.T. -0.011 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

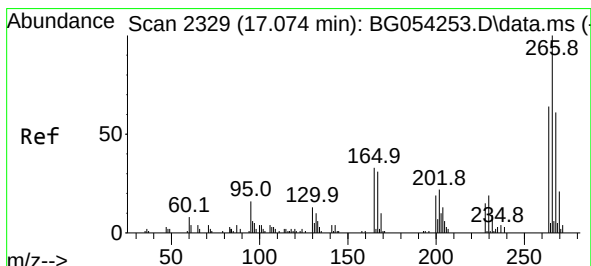
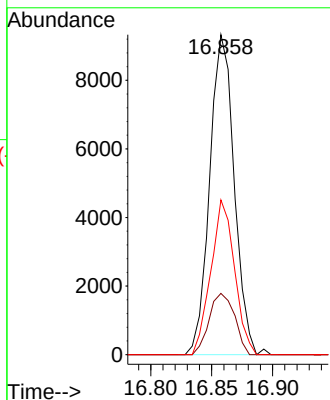
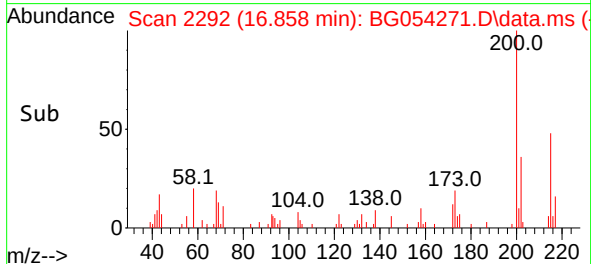
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



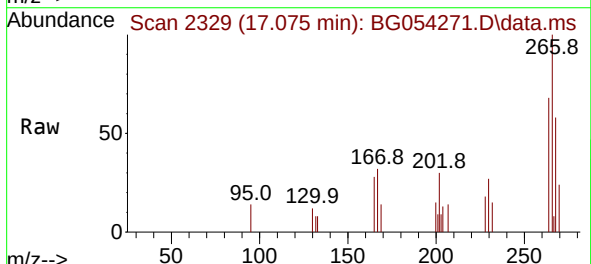
Tgt Ion:200 Resp: 13060
 Ion Ratio Lower Upper
 200 100
 173 19.1 3.7 43.7
 215 48.4 25.2 65.2

Manual Integrations
 APPROVED

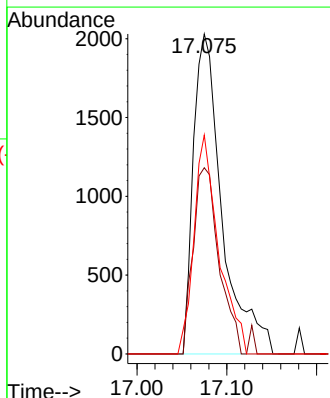
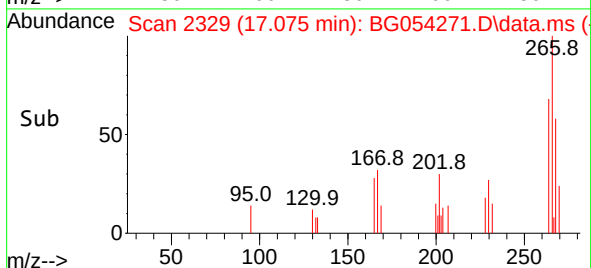
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

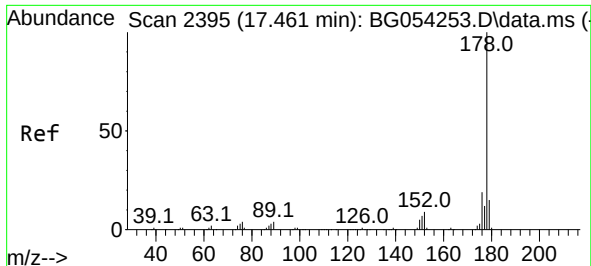


#70
 Pentachlorophenol
 Concen: 4.949 ng
 RT: 17.075 min Scan# 2329
 Delta R.T. 0.001 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22



Tgt Ion:266 Resp: 4515
 Ion Ratio Lower Upper
 266 100
 268 58.2 56.2 84.2
 264 68.4 53.0 79.4





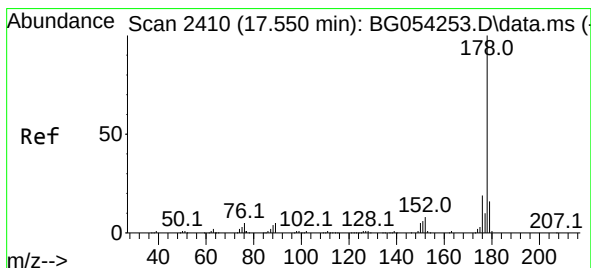
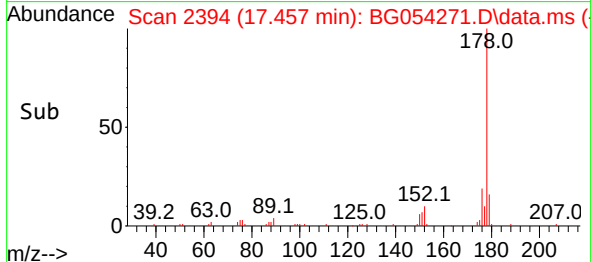
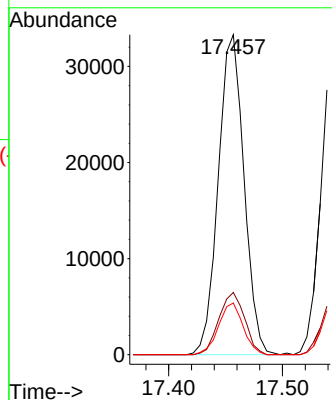
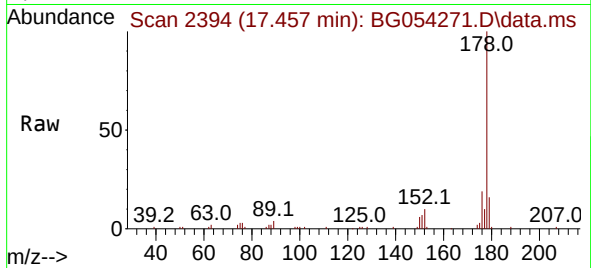
#71
Phenanthrene
Concen: 7.017 ng
RT: 17.457 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:178 Resp: 5235
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 16.1 12.1 18.1

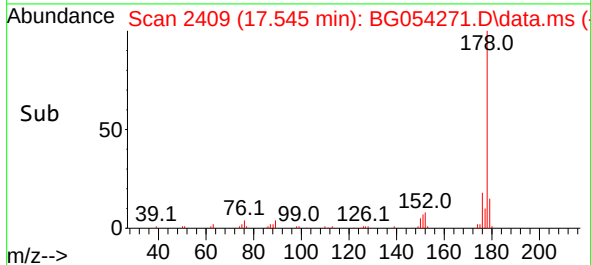
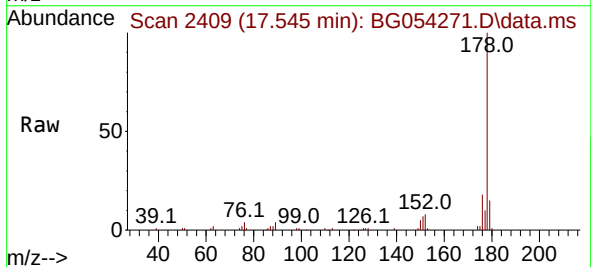
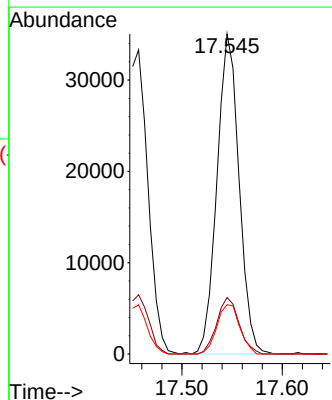
Manual Integrations
APPROVED

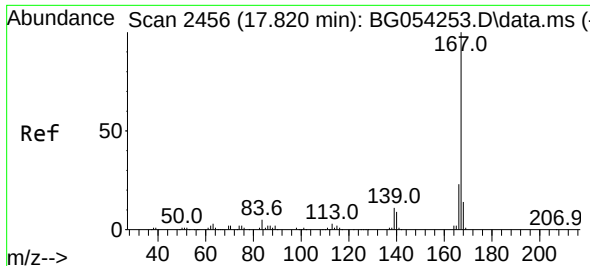
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#72
Anthracene
Concen: 7.321 ng
RT: 17.545 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

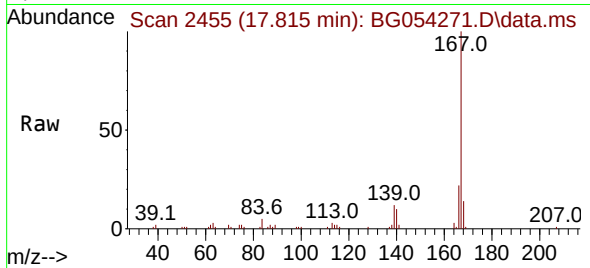
Tgt Ion:178 Resp: 53500
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 15.4 13.0 19.4





#73
 Carbazole
 Concen: 7.241 ng
 RT: 17.815 min Scan# 2456
 Delta R.T. -0.005 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

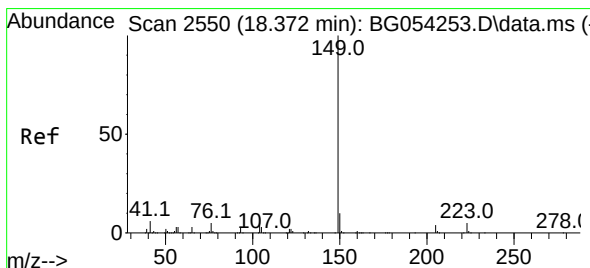
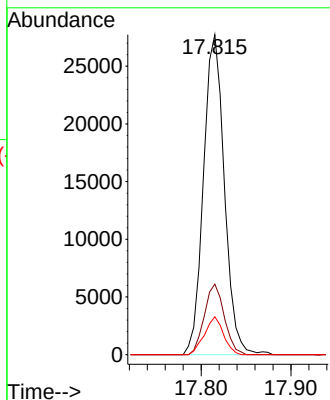
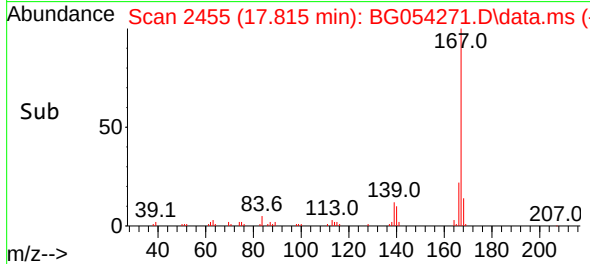
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



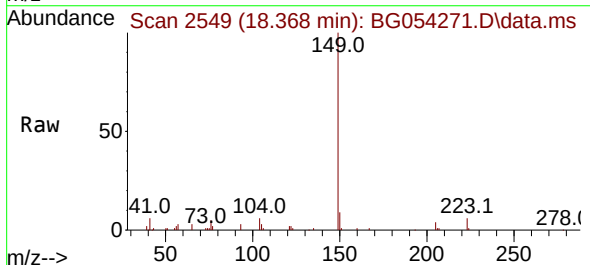
Tgt Ion:167 Resp: 44810
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.2 27.2
 139 11.8 10.1 15.1

Manual Integrations
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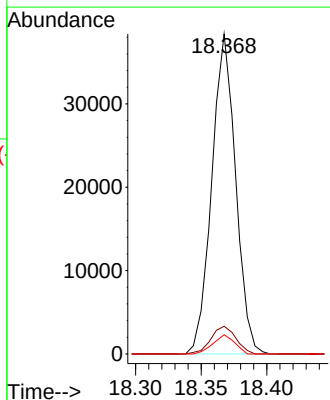
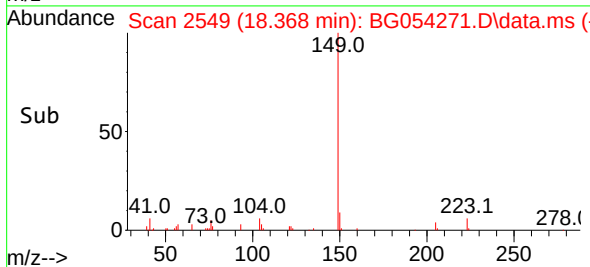
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

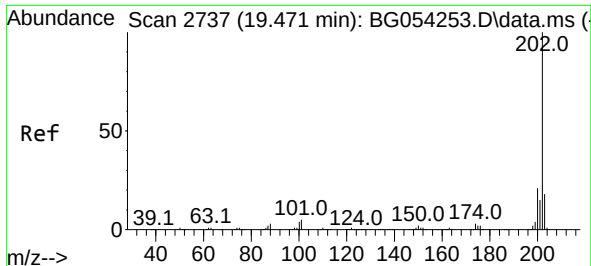


#74
 Di-n-butylphthalate
 Concen: 6.613 ng
 RT: 18.368 min Scan# 2549
 Delta R.T. -0.005 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22



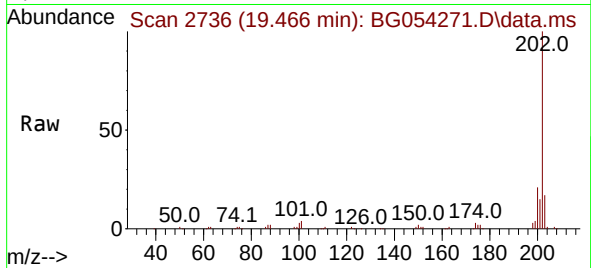
Tgt Ion:149 Resp: 48457
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.7 11.5
 104 6.0 5.4 8.0





#75
Fluoranthene
Concen: 7.168 ng
RT: 19.466 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

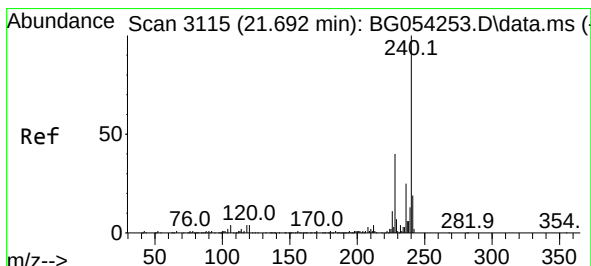
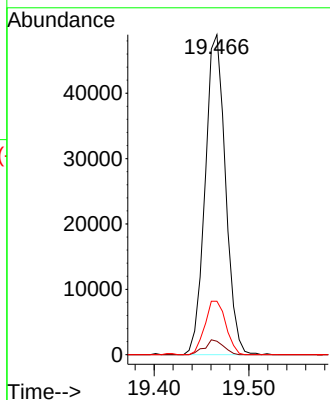
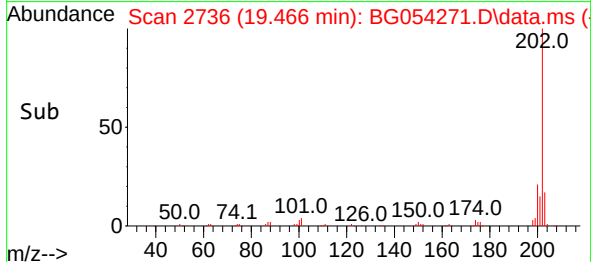
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:202 Resp: 72736
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 16.7 0.0 37.2

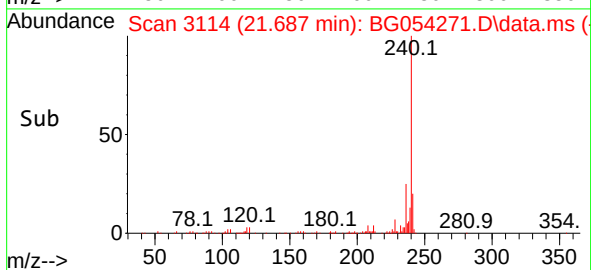
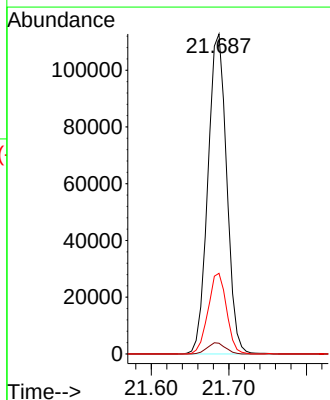
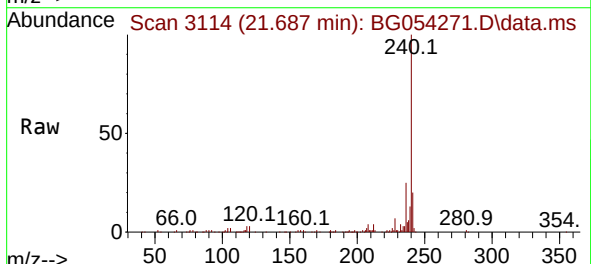
Manual Integrations
APPROVED

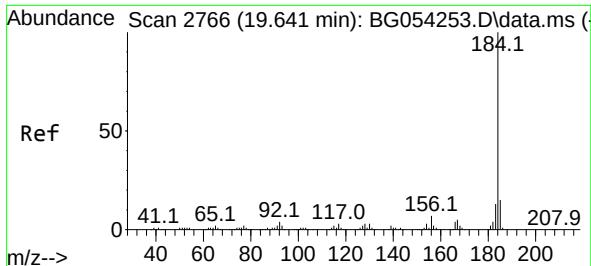
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.687 min Scan# 3114
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

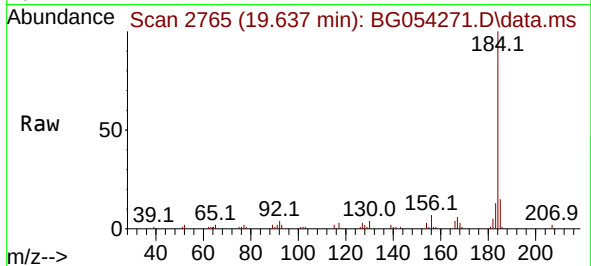
Tgt Ion:240 Resp: 189736
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 25.2 20.2 30.4





#77
Benzidine
Concen: 10.589 ng
RT: 19.637 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

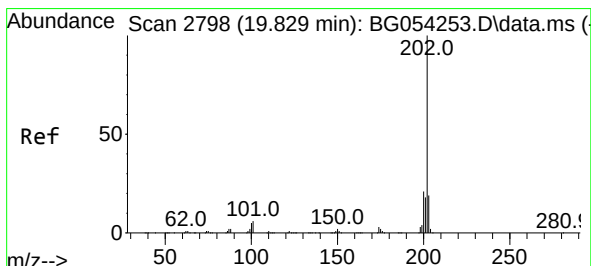
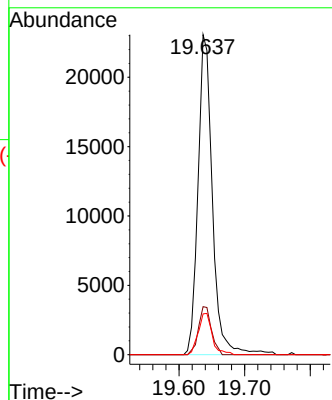
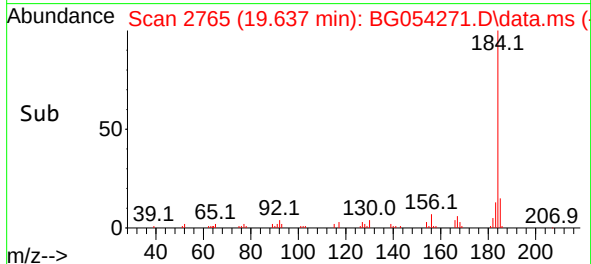
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



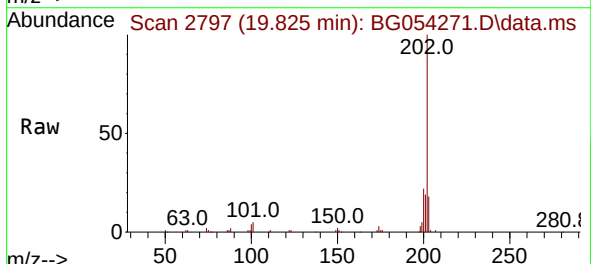
Tgt Ion:184 Resp: 35268
Ion Ratio Lower Upper
184 100
185 15.0 11.8 17.6
183 12.8 8.9 13.3

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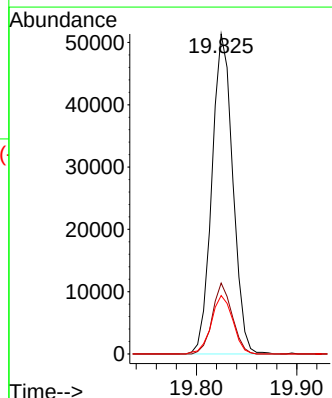
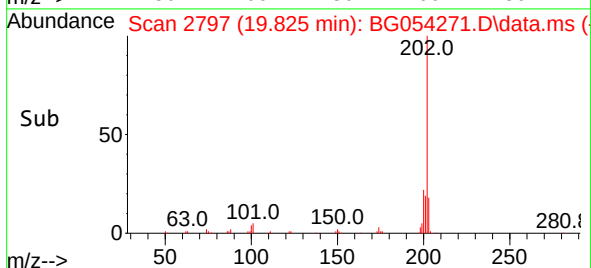
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

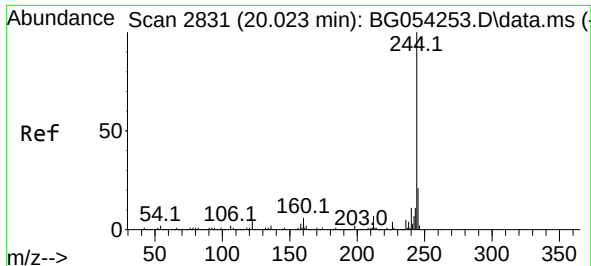


#78
Pyrene
Concen: 6.809 ng
RT: 19.825 min Scan# 2797
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22



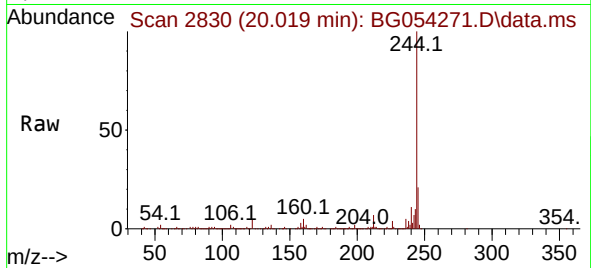
Tgt Ion:202 Resp: 74354
Ion Ratio Lower Upper
202 100
200 22.1 16.6 24.8
203 18.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 80.473 ng
 RT: 20.019 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

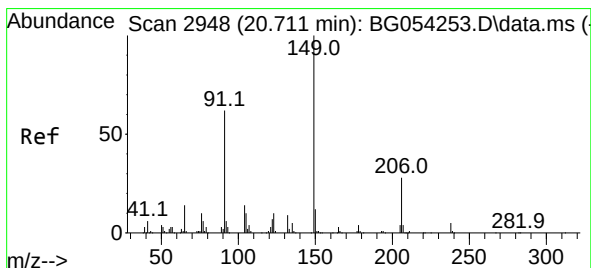
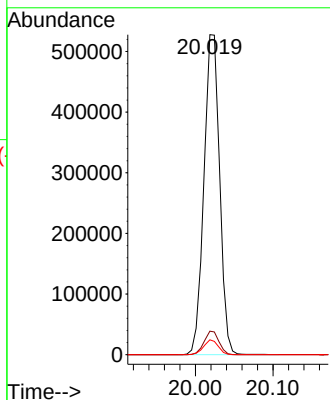
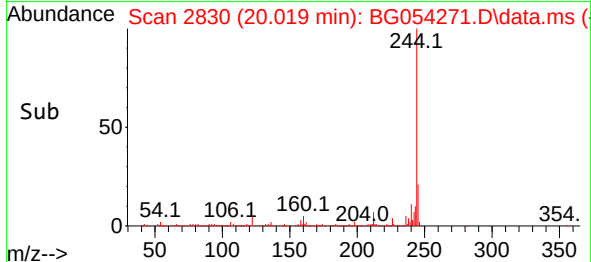
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



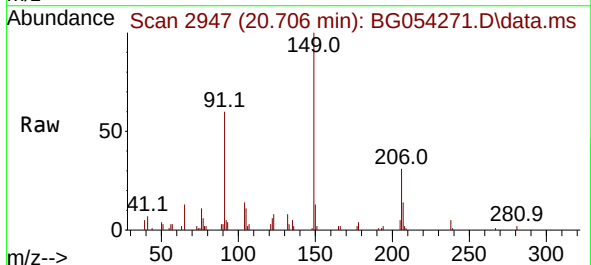
Tgt Ion:244 Resp: 74250
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.6 5.0 7.4

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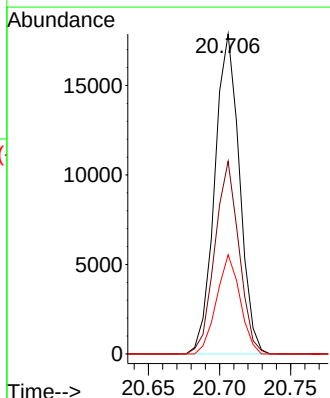
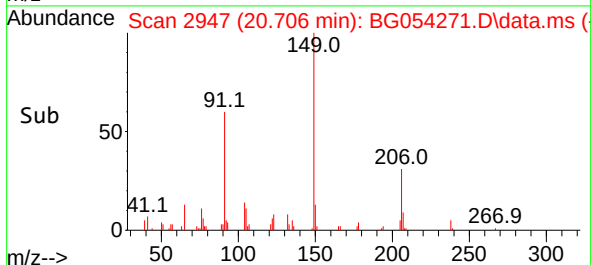
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

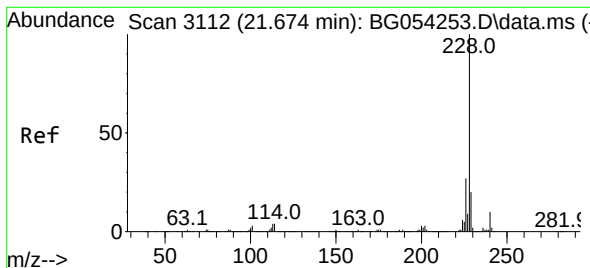


#80
 Butylbenzylphthalate
 Concen: 6.111 ng
 RT: 20.706 min Scan# 2947
 Delta R.T. -0.005 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22



Tgt Ion:149 Resp: 21622
 Ion Ratio Lower Upper
 149 100
 91 60.2 59.6 89.4
 206 31.0 18.6 28.0





#81

Benzo(a)anthracene

Concen: 7.167 ng

RT: 21.664 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BG054271.D

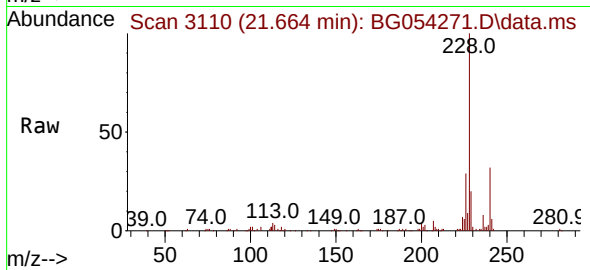
Acq: 13 Jul 2022 13:22

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 86018

Ion Ratio Lower Upper

228 100

226 29.0 21.6 32.4

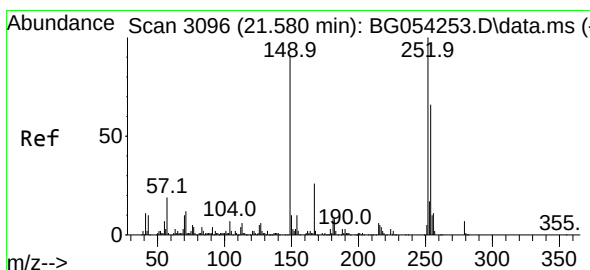
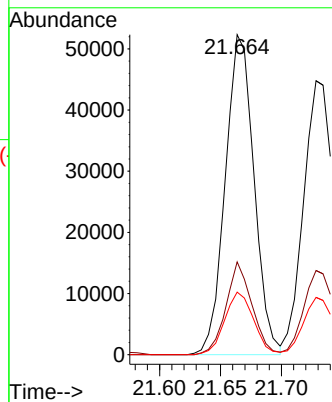
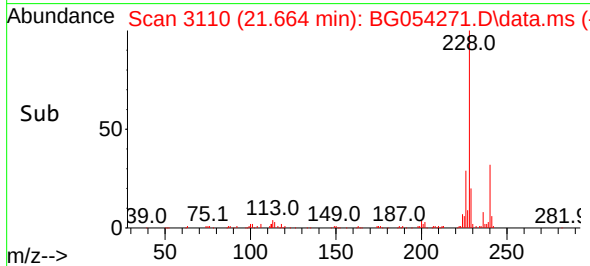
229 19.5 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#82

3,3'-Dichlorobenzidine

Concen: 8.843 ng

RT: 21.576 min Scan# 3095

Delta R.T. -0.005 min

Lab File: BG054271.D

Acq: 13 Jul 2022 13:22

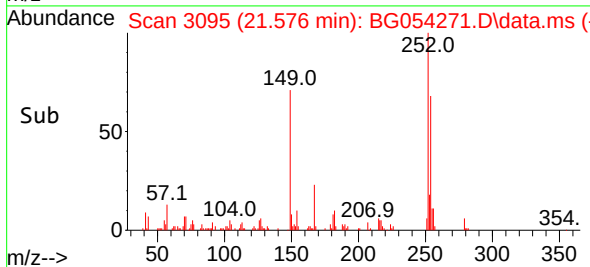
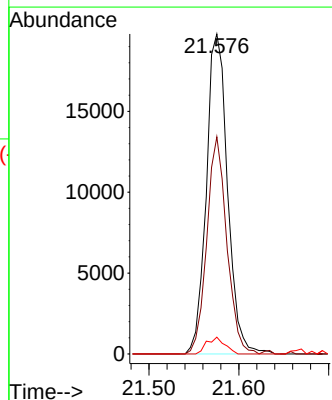
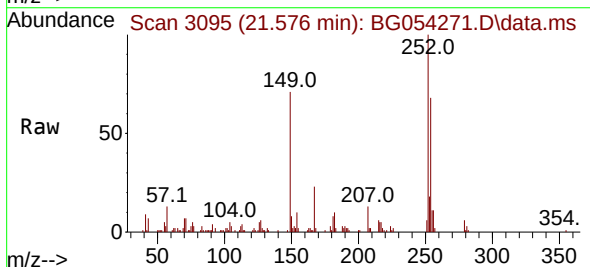
Tgt Ion:252 Resp: 32441

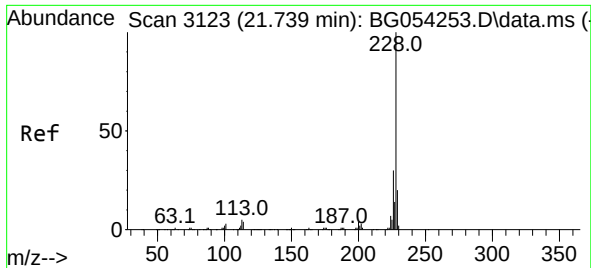
Ion Ratio Lower Upper

252 100

254 67.9 49.8 74.8

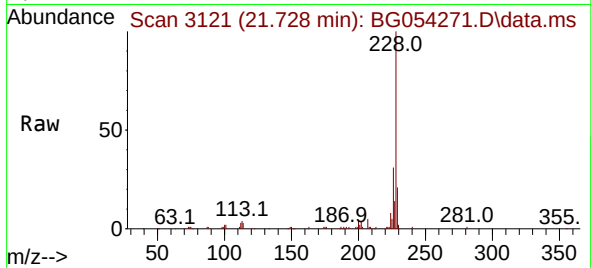
126 5.3 6.0 9.0#





#83
Chrysene
Concen: 6.929 ng
RT: 21.728 min Scan# 3123
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

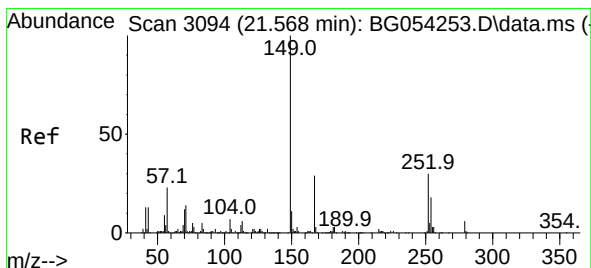
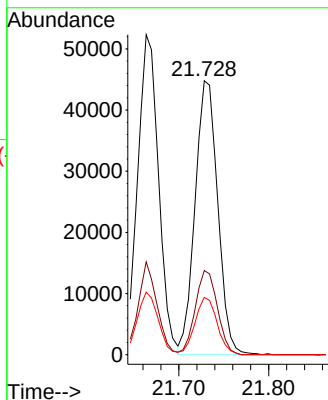
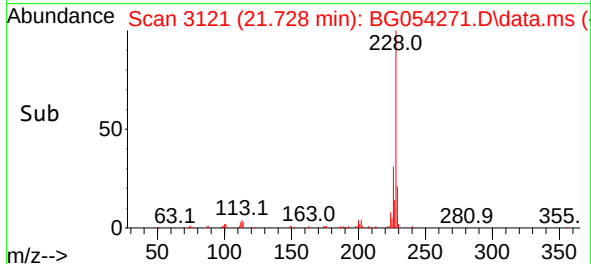
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 78652
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.2
229 20.9 15.5 23.3

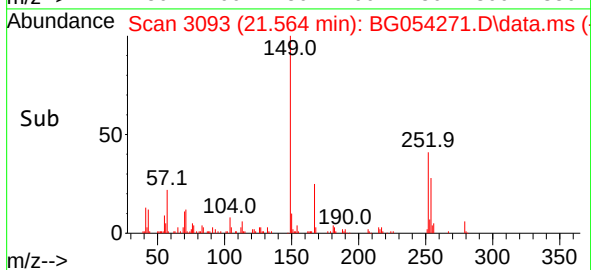
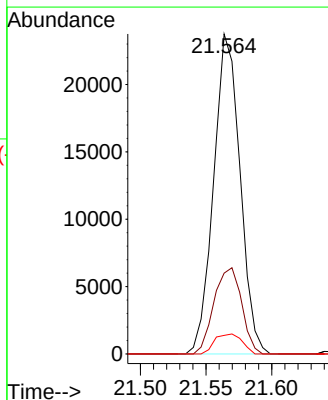
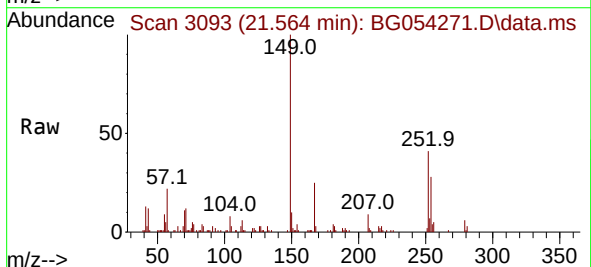
Manual Integrations
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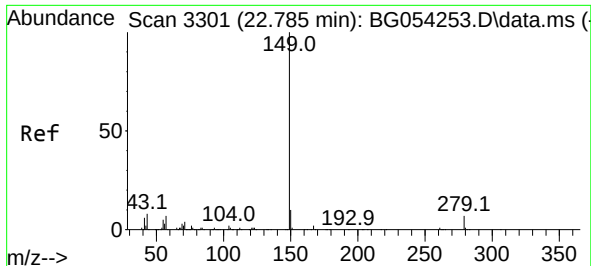
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.613 ng
RT: 21.564 min Scan# 3093
Delta R.T. -0.005 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

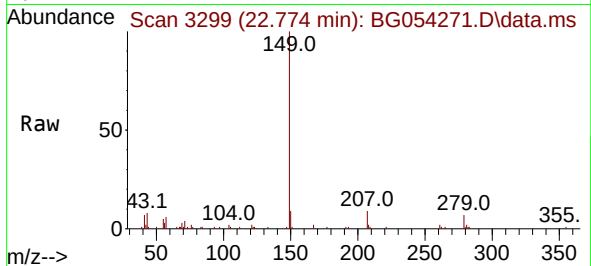
Tgt Ion:149 Resp: 33197
Ion Ratio Lower Upper
149 100
167 25.2 20.2 30.4
279 5.8 3.6 5.4#





#85
Di-n-octyl phthalate
Concen: 6.531 ng
RT: 22.774 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

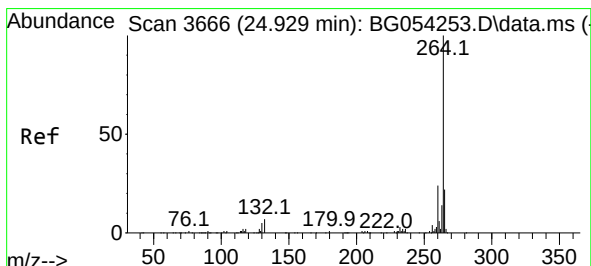
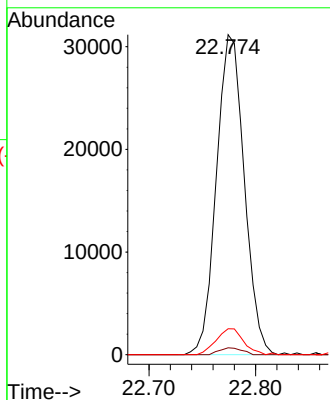
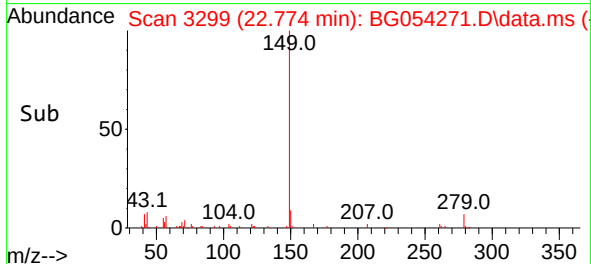
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:149 Resp: 5644
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.0 9.0 13.4

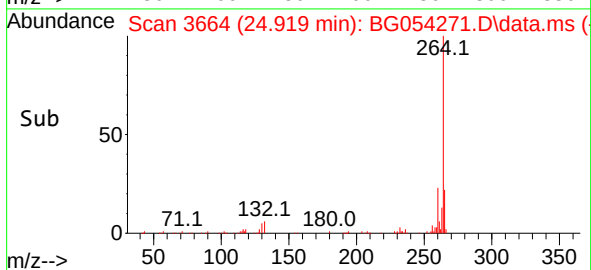
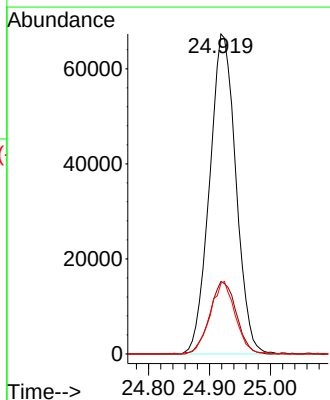
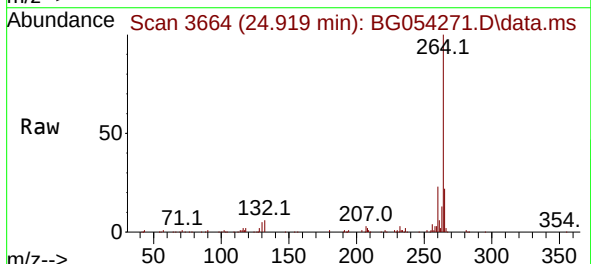
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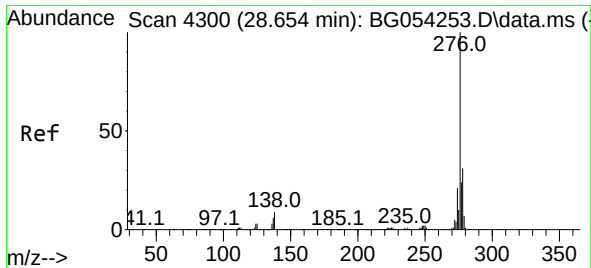
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.919 min Scan# 3664
Delta R.T. -0.010 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

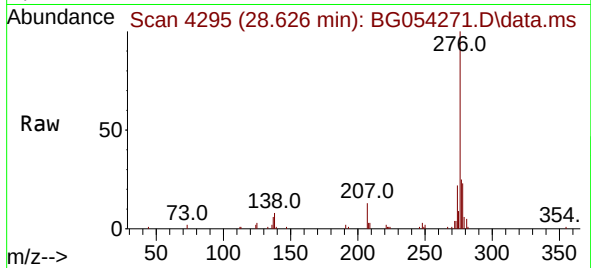
Tgt Ion:264 Resp: 201672
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 22.1 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.895 ng
 RT: 28.626 min Scan# 41
 Delta R.T. -0.028 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22

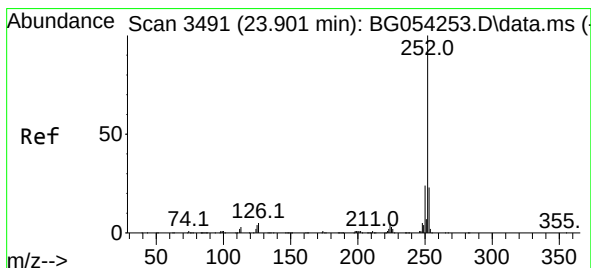
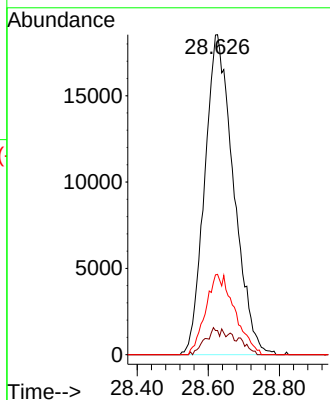
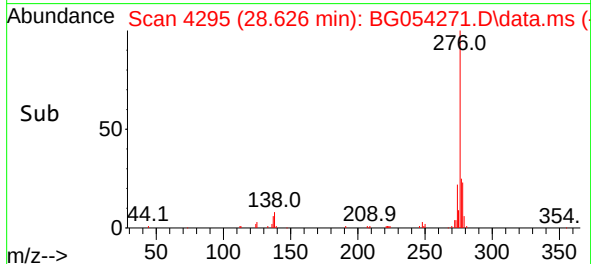
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



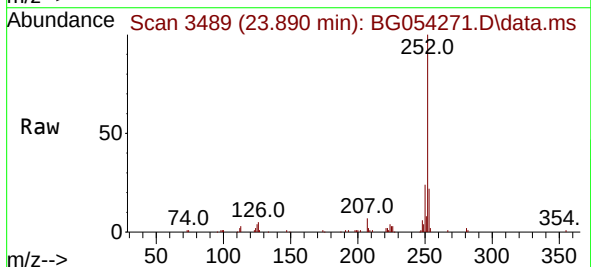
Tgt Ion:276 Resp: 10460
 Ion Ratio Lower Upper
 276 100
 138 4.0 5.0 7.4
 277 25.3 20.3 30.5

Manual Integrations
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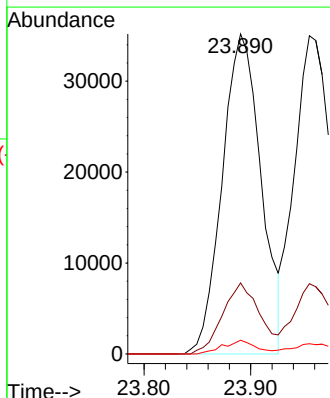
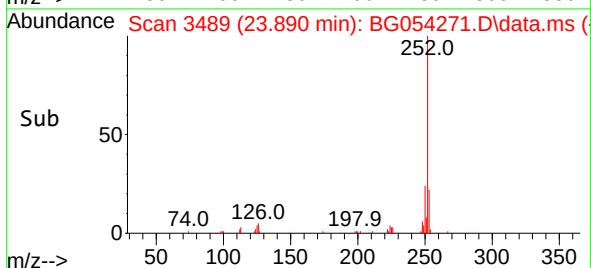
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

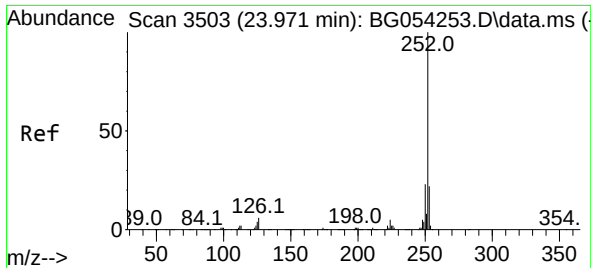


#88
 Benzo(b)fluoranthene
 Concen: 7.463 ng
 RT: 23.890 min Scan# 3489
 Delta R.T. -0.011 min
 Lab File: BG054271.D
 Acq: 13 Jul 2022 13:22



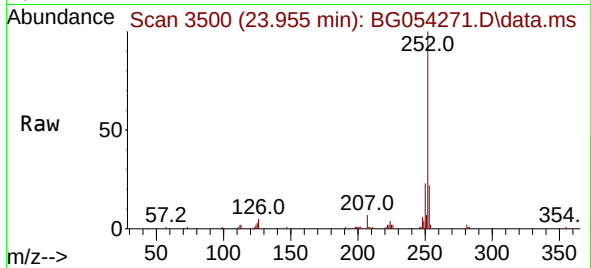
Tgt Ion:252 Resp: 89252
 Ion Ratio Lower Upper
 252 100
 253 22.2 18.0 27.0
 125 4.3 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 7.266 ng
RT: 23.955 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

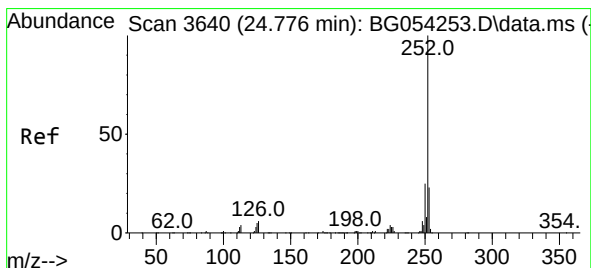
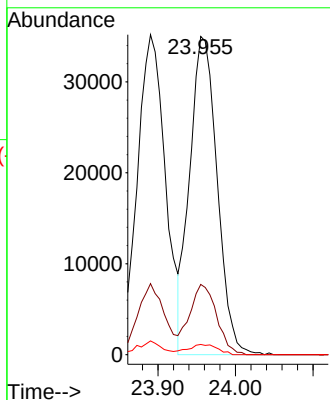
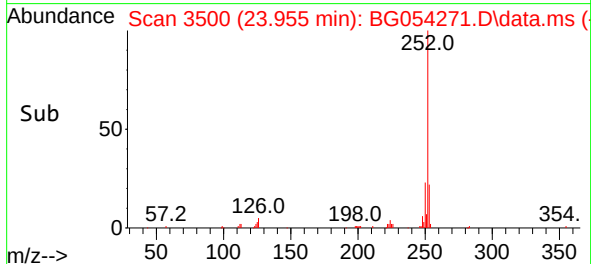
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:252 Resp: 8620
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 3.2 4.8 7.2

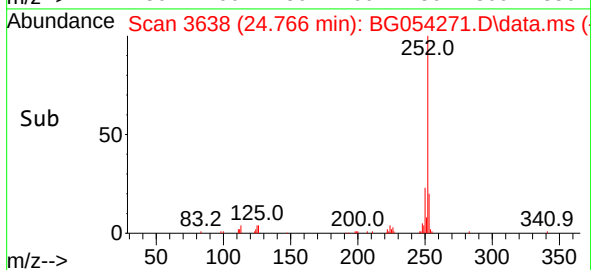
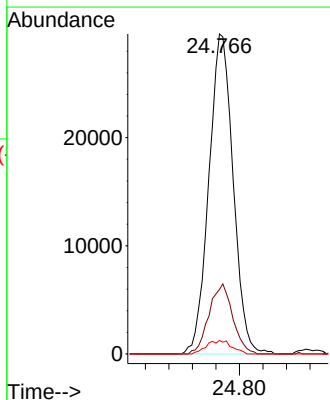
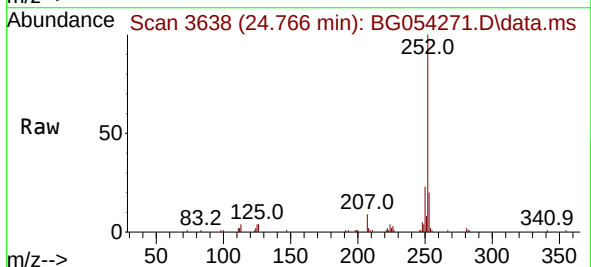
Manual Integrations
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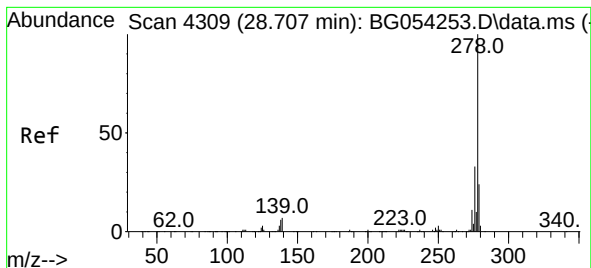
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#90
Benzo(a)pyrene
Concen: 8.286 ng
RT: 24.766 min Scan# 3638
Delta R.T. -0.011 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

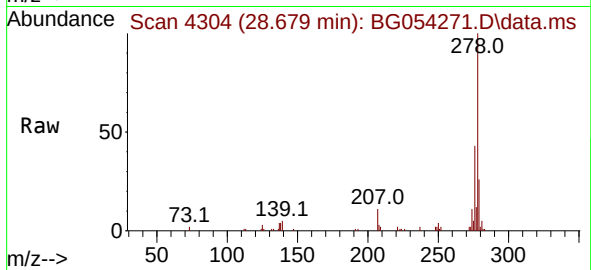
Tgt Ion:252 Resp: 84782
Ion Ratio Lower Upper
252 100
253 20.2 17.8 26.8
125 4.2 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 7.402 ng
RT: 28.679 min Scan# 41
Delta R.T. -0.028 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

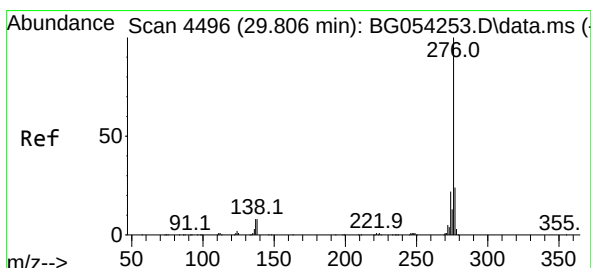
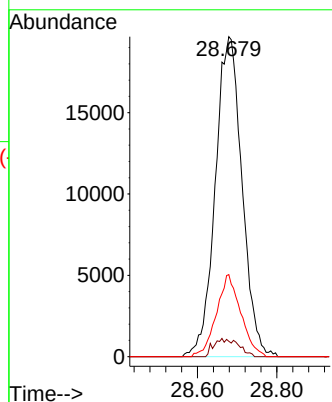
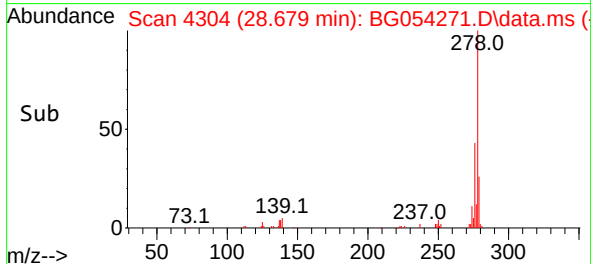
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:278 Resp: 9199
Ion Ratio Lower Upper
278 100
139 4.8 7.2 10.8#
279 25.7 18.6 27.8#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#92
Benzo(g,h,i)perylene
Concen: 7.365 ng
RT: 29.778 min Scan# 4491
Delta R.T. -0.028 min
Lab File: BG054271.D
Acq: 13 Jul 2022 13:22

Tgt Ion:276 Resp: 91304
Ion Ratio Lower Upper
276 100
277 26.6 17.3 25.9#
138 5.8 9.6 14.4#

