

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052672.D
 Acq On : 16 Mar 2022 9:44
 Operator : CG/JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

Quant Time: Mar 16 11:53:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	35166	20.000	ng	0.00
21) Naphthalene-d8	10.971	136	144907	20.000	ng	# 0.00
39) Acenaphthene-d10	14.772	164	100565	20.000	ng	0.00
64) Phenanthrene-d10	17.515	188	243769	20.000	ng	0.00
76) Chrysene-d12	21.804	240	288824	20.000	ng	0.00
86) Perylene-d12	25.129	264	285228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	282763	140.032	ng	0.00
7) Phenol-d6	7.300	99	419111	137.672	ng	0.00
23) Nitrobenzene-d5	9.315	82	223121	77.281	ng	0.00
42) 2,4,6-Tribromophenol	16.252	330	177706	131.505	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	536302	78.652	ng	0.00
79) Terphenyl-d14	20.124	244	1130310	69.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	4434	4.390	ng	96
3) Pyridine	4.010	79	9066m	3.501	ng	
4) n-Nitrosodimethylamine	3.910	42	3916	3.409	ng	# 72
6) Aniline	7.476	93	13961	3.911	ng	93
8) 2-Chlorophenol	7.717	128	7646	3.604	ng	87
9) Benzaldehyde	7.288	77	9547	5.106	ng	94
10) Phenol	7.323	94	10723	3.568	ng	# 81
11) bis(2-Chloroethyl)ether	7.570	93	7156	3.153	ng	86
12) 1,3-Dichlorobenzene	8.046	146	8501m	3.328	ng	
13) 1,4-Dichlorobenzene	8.193	146	9675	3.769	ng	92
14) 1,2-Dichlorobenzene	8.516	146	9066m	3.735	ng	
15) Benzyl Alcohol	8.387	79	8681	3.387	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.680	45	14168	3.585	ng	95
17) 2-Methylphenol	8.580	107	7033	3.511	ng	# 88
18) Hexachloroethane	9.250	117	3792	4.027	ng	# 77
19) n-Nitroso-di-n-propyla...	8.956	70	7740	3.590	ng	97
20) 3+4-Methylphenols	8.909	107	9122	3.254	ng	86
22) Acetophenone	8.974	105	14282	3.809	ng	# 91
24) Nitrobenzene	9.350	77	11735	4.062	ng	# 89
25) Isophorone	9.885	82	19424	3.475	ng	94
26) 2-Nitrophenol	10.067	139	3269	3.259	ng	# 86
27) 2,4-Dimethylphenol	10.125	122	8498	4.141	ng	91
28) bis(2-Chloroethoxy)met...	10.360	93	10593	3.205	ng	93
29) 2,4-Dichlorophenol	10.607	162	7112	3.080	ng	91
30) 1,2,4-Trichlorobenzene	10.830	180	8987	3.299	ng	90
31) Naphthalene	11.018	128	27494	3.669	ng	97
32) Benzoic acid	10.161	122	2762	2.002	ng	# 82
33) 4-Chloroaniline	11.112	127	10583	3.332	ng	# 92
34) Hexachlorobutadiene	11.306	225	6558	3.357	ng	# 86
35) Caprolactam	11.870	113	2167	3.436	ng	# 48
36) 4-Chloro-3-methylphenol	12.217	107	8372	3.122	ng	92
37) 2-Methylnaphthalene	12.616	142	19357	3.527	ng	89
38) 1-Methylnaphthalene	12.834	142	18261	3.410	ng	91
40) 1,2,4,5-Tetrachloroben...	12.980	216	11476	3.653	ng	# 97
41) Hexachlorocyclopentadiene	12.969	237	7308	3.924	ng	99
43) 2,4,6-Trichlorophenol	13.204	196	6170	3.067	ng	92

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Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

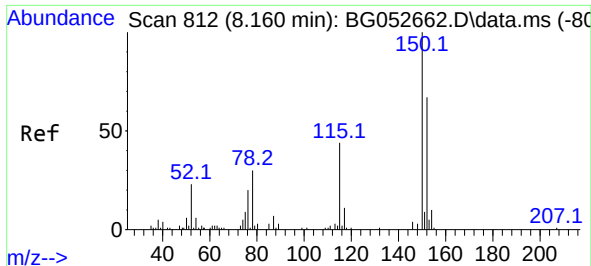
Manual Integrations
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Quant Time: Mar 16 11:53:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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 Response via : Initial Calibration

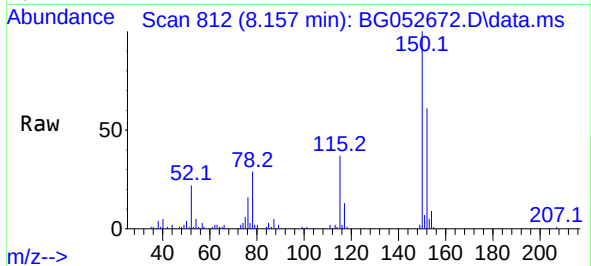
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.274	196	6332	3.101	ng	94
46) 1,1'-Biphenyl	13.609	154	26906	3.826	ng	96
47) 2-Chloronaphthalene	13.650	162	20052	3.620	ng	94
48) 2-Nitroaniline	13.838	65	4746	3.133	ng #	80
49) Acenaphthylene	14.496	152	34084	3.860	ng	97
50) Dimethylphthalate	14.214	163	25210	3.373	ng	99
51) 2,6-Dinitrotoluene	14.331	165	3749	2.971	ng #	87
52) Acenaphthene	14.837	154	19553	3.457	ng	92
53) 3-Nitroaniline	14.660	138	4374	2.962	ng #	77
54) 2,4-Dinitrophenol	14.860	184	1773	2.578	ng #	53
55) Dibenzofuran	15.172	168	32332	3.500	ng	96
56) 4-Nitrophenol	14.942	139	3703	3.074	ng	89
57) 2,4-Dinitrotoluene	15.113	165	5243	2.994	ng #	93
58) Fluorene	15.818	166	26843	3.565	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.389	232	6268	2.871	ng #	94
60) Diethylphthalate	15.577	149	26158	3.316	ng	99
61) 4-Chlorophenyl-phenyle...	15.812	204	14217	3.424	ng	88
62) 4-Nitroaniline	15.812	138	5158	3.306	ng	88
63) Azobenzene	16.100	77	29635	3.514	ng	93
65) 4,6-Dinitro-2-methylph...	15.876	198	3017	2.776	ng	84
66) n-Nitrosodiphenylamine	16.017	169	23000	3.351	ng #	92
67) 4-Bromophenyl-phenylether	16.699	248	8775	2.986	ng #	88
68) Hexachlorobenzene	16.822	284	10687	3.383	ng #	89
69) Atrazine	16.957	200	8597	3.397	ng	88
70) Pentachlorophenol	17.157	266	5249	2.678	ng	96
71) Phenanthrene	17.557	178	46929	3.599	ng	93
72) Anthracene	17.645	178	45996	3.568	ng	96
73) Carbazole	17.909	167	43531	3.409	ng #	94
74) Di-n-butylphthalate	18.473	149	45771	3.281	ng #	96
75) Fluoranthene	19.560	202	61437	3.711	ng	98
77) Benzidine	19.730	184	24323	3.265	ng	94
78) Pyrene	19.924	202	63044	3.147	ng	98
80) Butylbenzylphthalate	20.811	149	19710	2.773	ng	96
81) Benzo(a)anthracene	21.786	228	69100	3.573	ng	94
82) 3,3'-Dichlorobenzidine	21.692	252	21383	3.131	ng #	88
83) Chrysene	21.851	228	62264	3.425	ng	99
84) Bis(2-ethylhexyl)phtha...	21.698	149	28294	2.927	ng	100
85) Di-n-octyl phthalate	22.949	149	45604	2.834	ng #	90
87) Indeno(1,2,3-cd)pyrene	28.918	276	66328	3.397	ng	92
88) Benzo(b)fluoranthene	24.065	252	65643	3.707	ng	97
89) Benzo(k)fluoranthene	24.130	252	62125	3.565	ng	93
90) Benzo(a)pyrene	24.964	252	62551	4.173	ng #	91
91) Dibenzo(a,h)anthracene	28.976	278	59611	3.706	ng	96
92) Benzo(g,h,i)perylene	30.093	276	56655	3.559	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.157 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

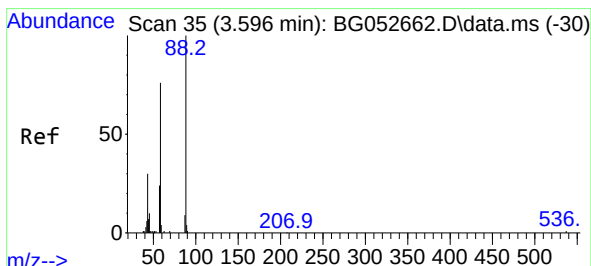
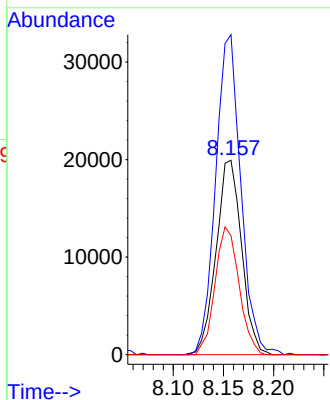
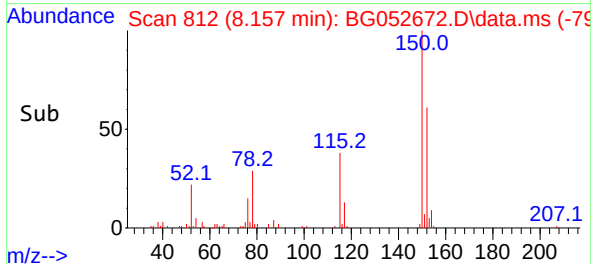
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:152 Resp: 3516
Ion Ratio Lower Upper
152 100
150 164.6 114.6 172.0
115 61.2 45.9 68.9

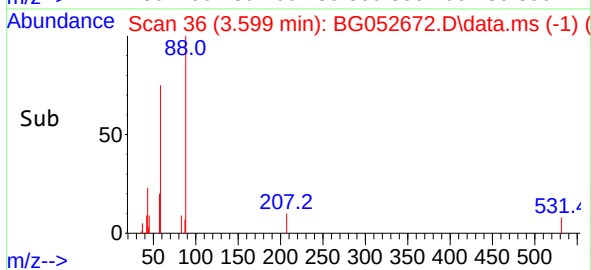
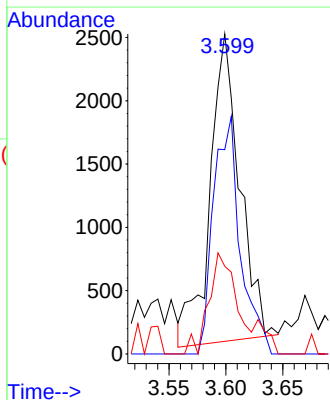
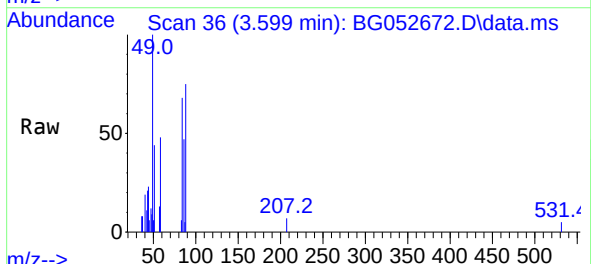
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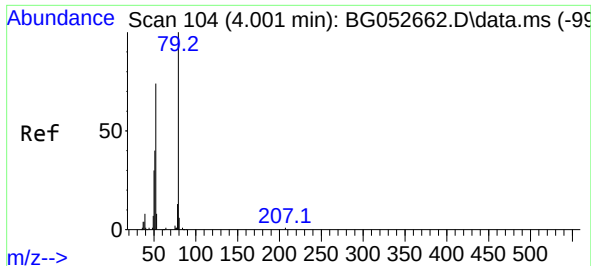
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#2
1,4-Dioxane
Concen: 4.390 ng
RT: 3.599 min Scan# 36
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

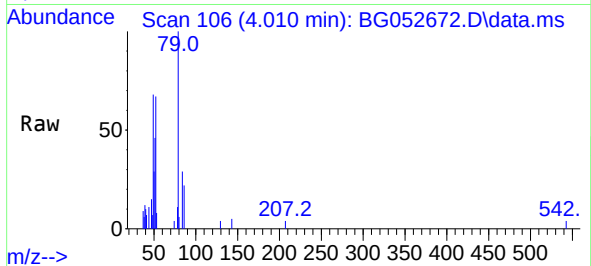
Tgt Ion: 88 Resp: 4434
Ion Ratio Lower Upper
88 100
58 69.3 58.2 87.2
43 30.4 23.4 35.0





#3
Pyridine
Concen: 3.501 ng m
RT: 4.010 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

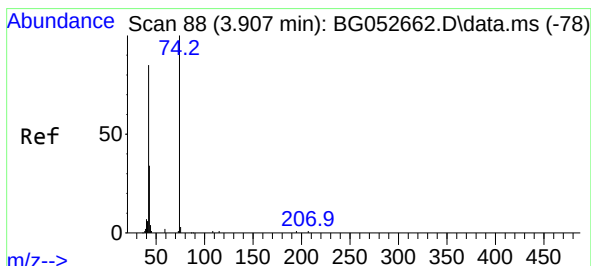
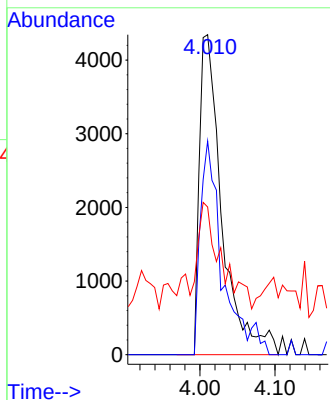
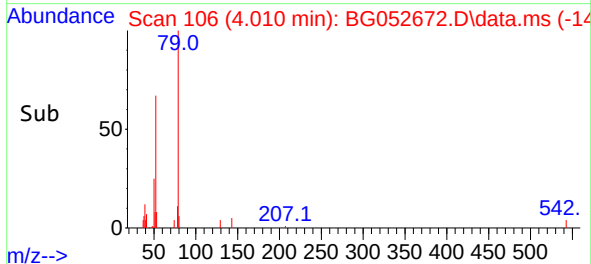
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 79 Resp: 906
Ion Ratio Lower Upper
79 100
52 66.7 50.9 76.3
51 46.2 24.4 36.6

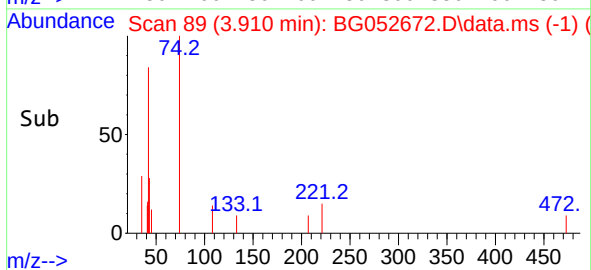
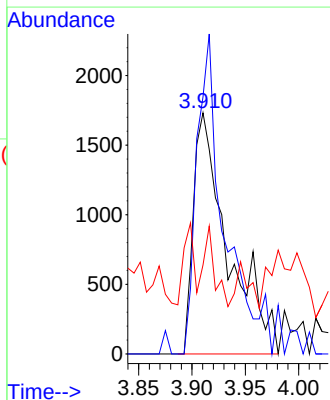
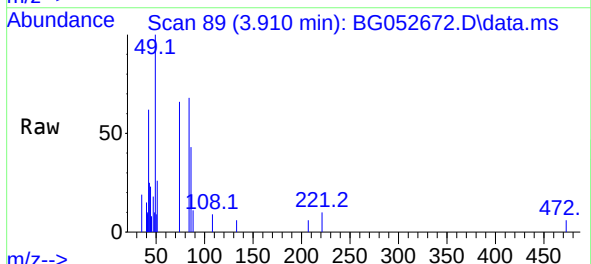
Manual Integrations
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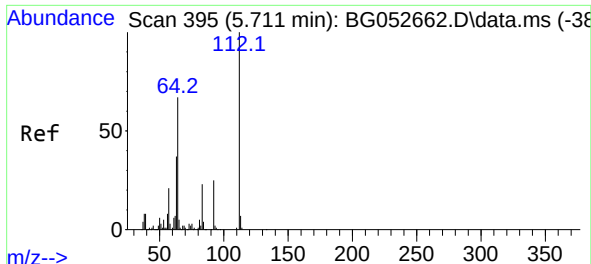
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#4
n-Nitrosodimethylamine
Concen: 3.409 ng
RT: 3.910 min Scan# 89
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

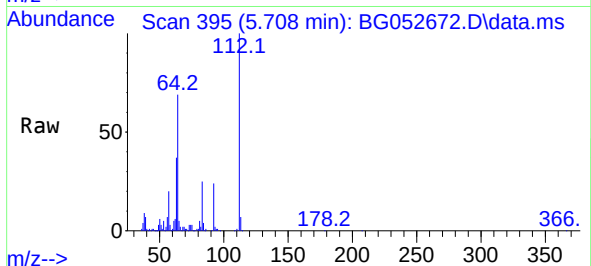
Tgt Ion: 42 Resp: 3916
Ion Ratio Lower Upper
42 100
74 106.6 108.9 163.3#
44 36.9 5.7 8.5#





#5
2-Fluorophenol
Concen: 140.032 ng
RT: 5.708 min Scan# 395
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

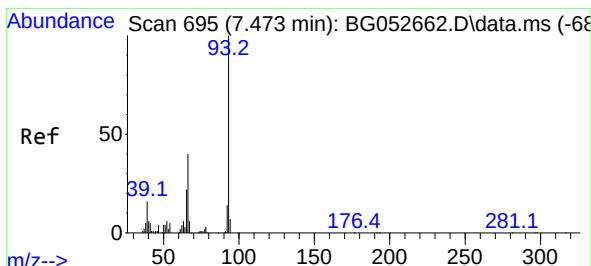
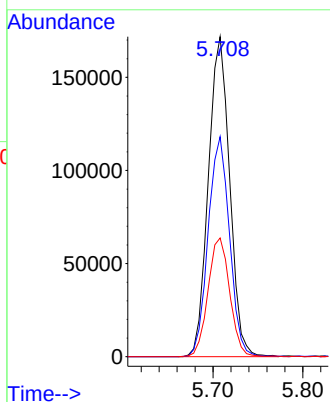
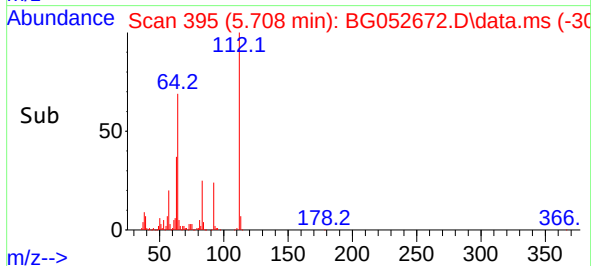
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



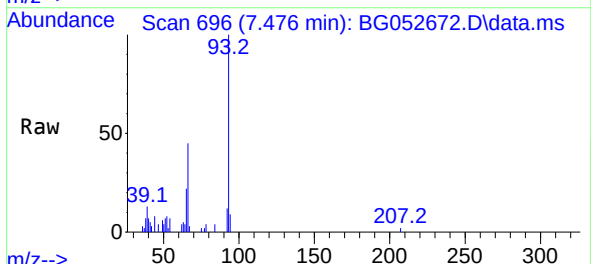
Tgt Ion: 112 Resp: 28276
Ion Ratio Lower Upper
112 100
64 68.8 48.0 72.0
63 37.1 26.5 39.7

Manual Integrations
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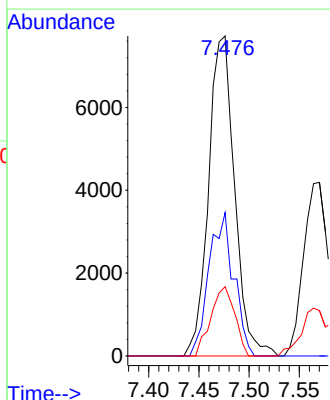
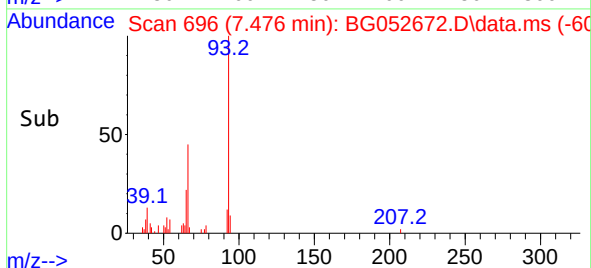
Reviewed By :Christian Giraldo 03/17/2022
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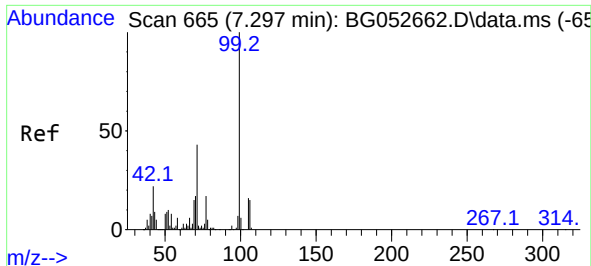


#6
Aniline
Concen: 3.911 ng
RT: 7.476 min Scan# 696
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



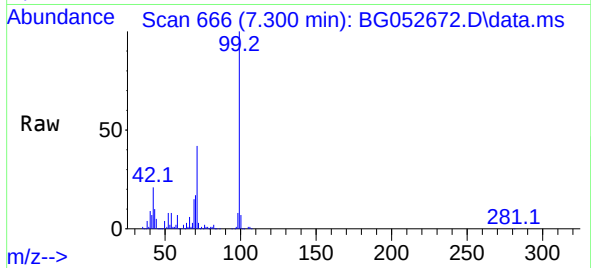
Tgt Ion: 93 Resp: 13961
Ion Ratio Lower Upper
93 100
66 44.8 31.3 46.9
65 21.6 16.7 25.1





#7
Phenol-d6
Concen: 137.672 ng
RT: 7.300 min Scan# 665
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

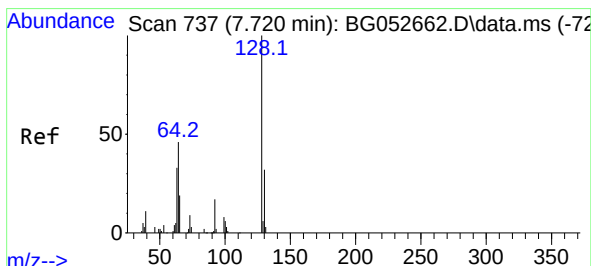
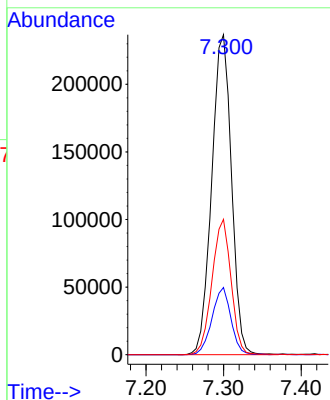
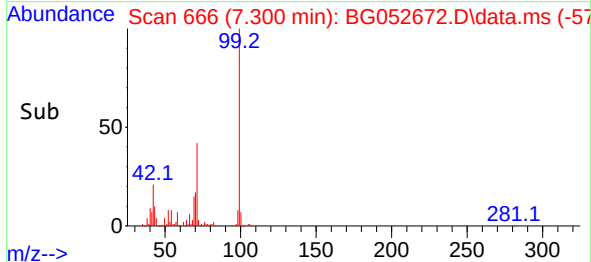
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 99 Resp: 41911
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 42.3 29.2 43.8

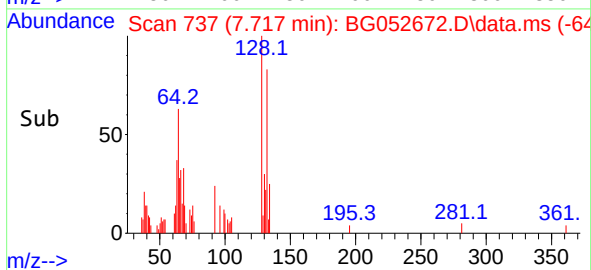
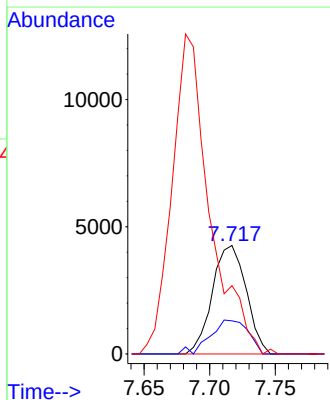
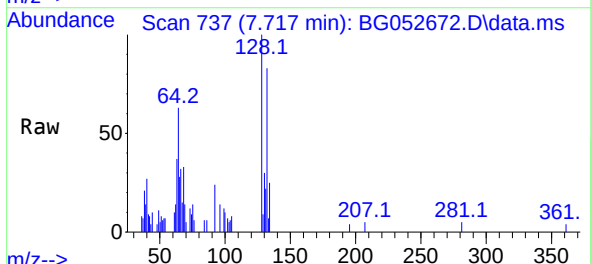
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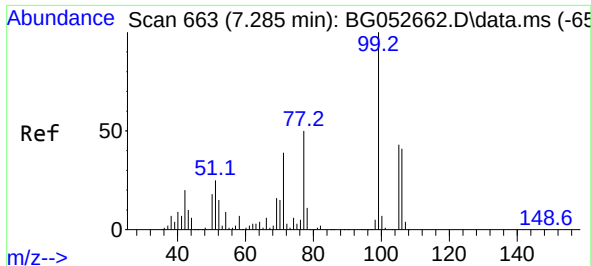
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#8
2-Chlorophenol
Concen: 3.604 ng
RT: 7.717 min Scan# 737
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:128 Resp: 7646
Ion Ratio Lower Upper
128 100
130 30.5 13.4 53.4
64 63.0 30.9 70.9





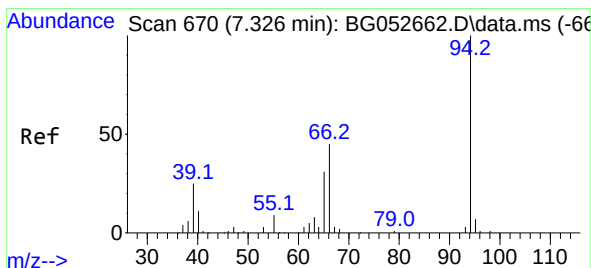
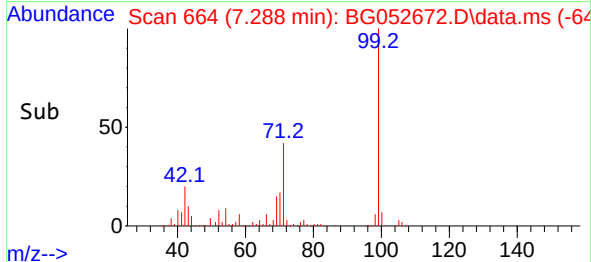
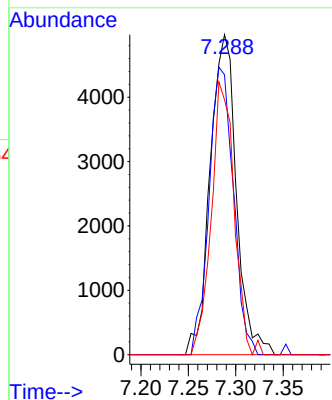
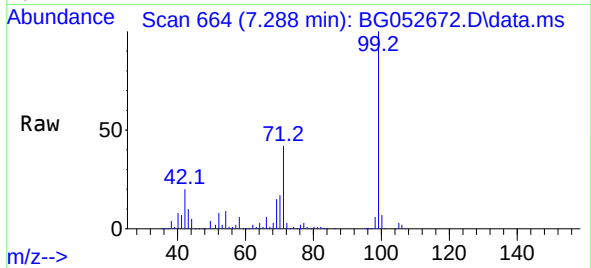
#9
Benzaldehyde
Concen: 5.106 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 77 Resp: 954
Ion Ratio Lower Upper
77 100
105 87.5 70.6 110.6
106 79.6 67.6 107.6

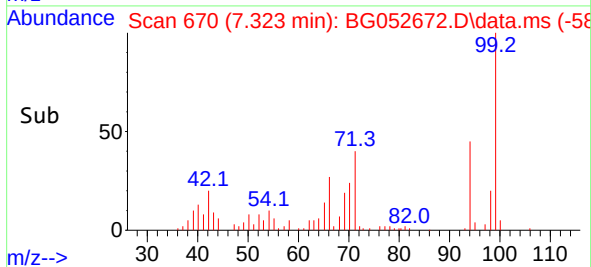
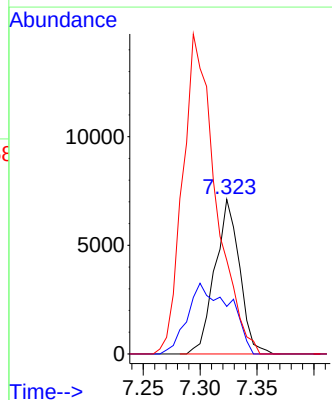
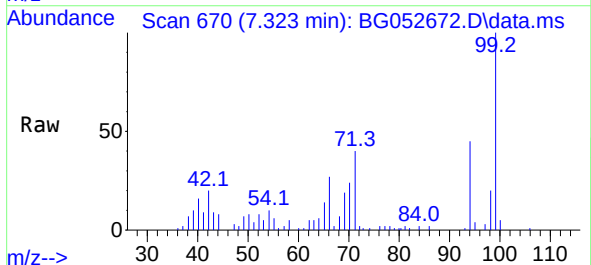
Manual Integrations
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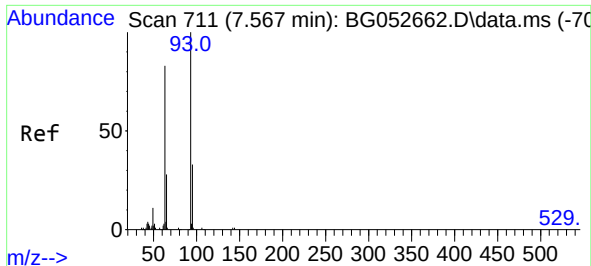
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#10
Phenol
Concen: 3.568 ng
RT: 7.323 min Scan# 670
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

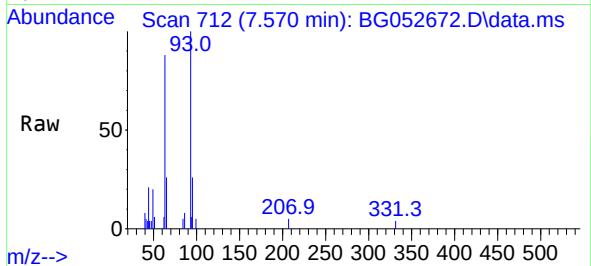
Tgt Ion: 94 Resp: 10723
Ion Ratio Lower Upper
94 100
65 30.7 11.1 51.1
66 60.6 20.0 60.0#





#11
bis(2-Chloroethyl)ether
Concen: 3.153 ng
RT: 7.570 min Scan# 711
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

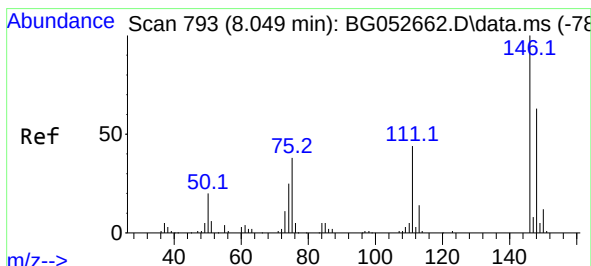
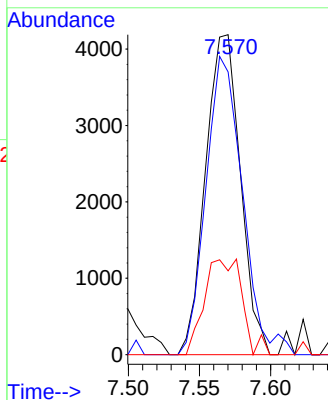
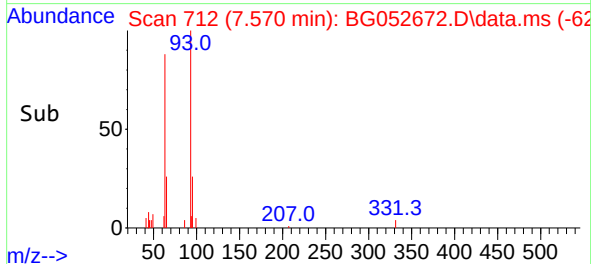
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



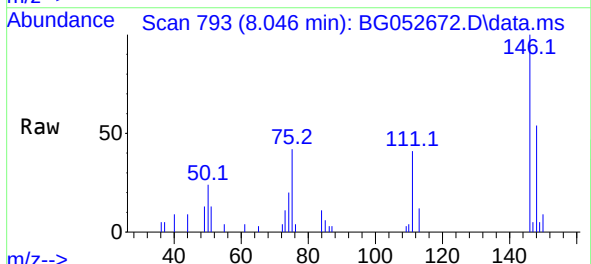
Tgt Ion: 93 Resp: 7150
Ion Ratio Lower Upper
93 100
63 88.4 56.9 96.9
95 26.2 14.5 54.5

Manual Integrations
APPROVED

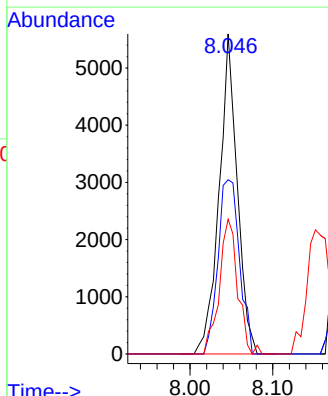
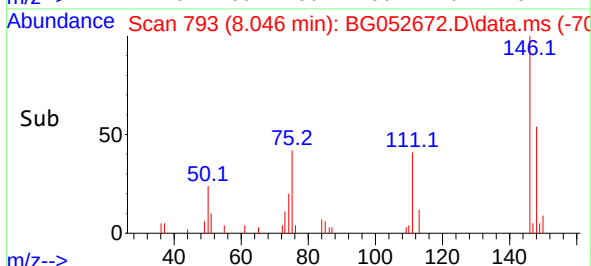
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

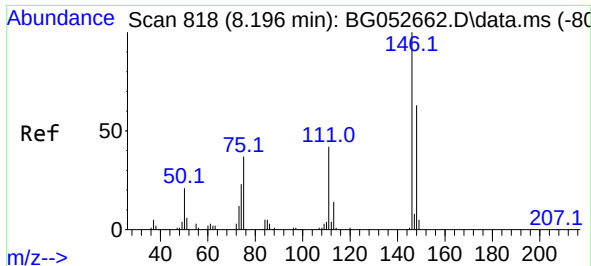


#12
1,3-Dichlorobenzene
Concen: 3.328 ng m
RT: 8.046 min Scan# 793
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



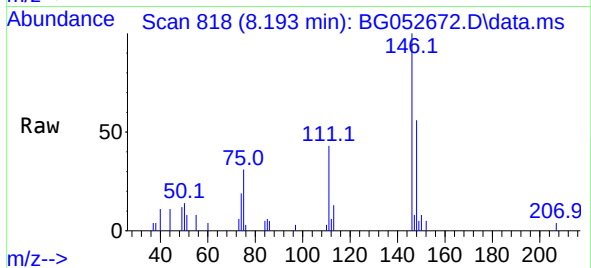
Tgt Ion:146 Resp: 8501
Ion Ratio Lower Upper
146 100
148 54.4 50.6 76.0
75 42.1 25.9 38.9#





#13
1,4-Dichlorobenzene
Concen: 3.769 ng
RT: 8.193 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

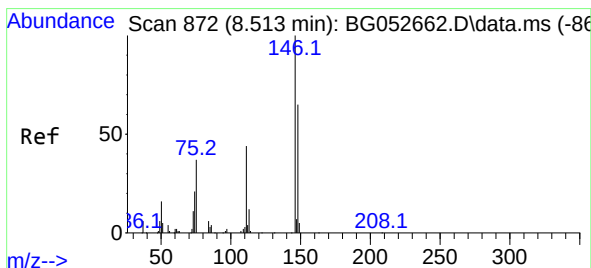
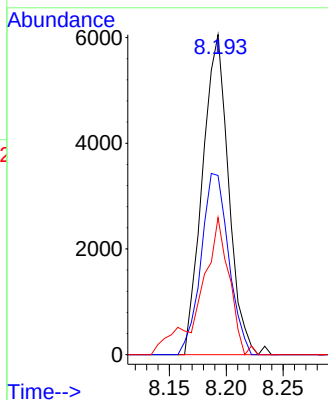
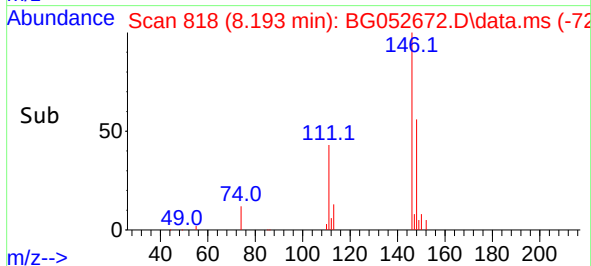
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



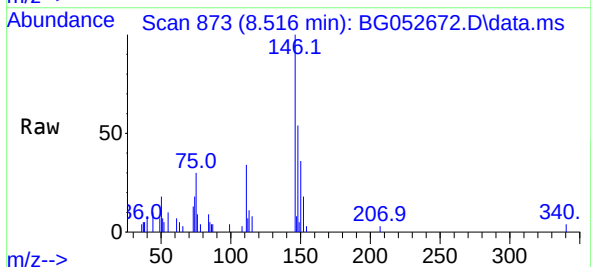
Tgt Ion:146 Resp: 967
Ion Ratio Lower Upper
146 100
148 56.0 50.0 75.0
111 42.9 31.0 46.4

Manual Integrations
APPROVED

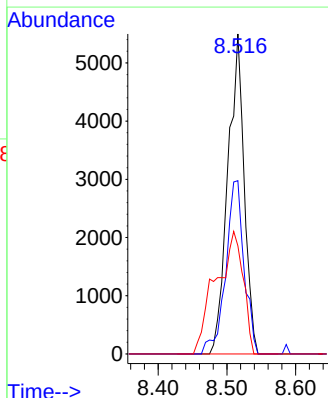
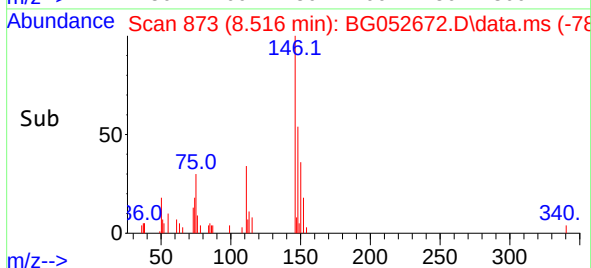
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

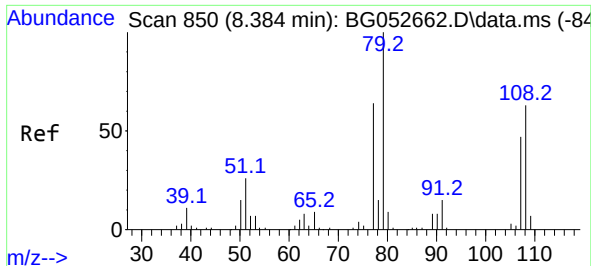


#14
1,2-Dichlorobenzene
Concen: 3.735 ng m
RT: 8.516 min Scan# 873
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:146 Resp: 9066
Ion Ratio Lower Upper
146 100
148 54.2 51.0 76.6
111 33.8 34.7 52.1#





#15
Benzyl Alcohol
Concen: 3.387 ng
RT: 8.387 min Scan# 850
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

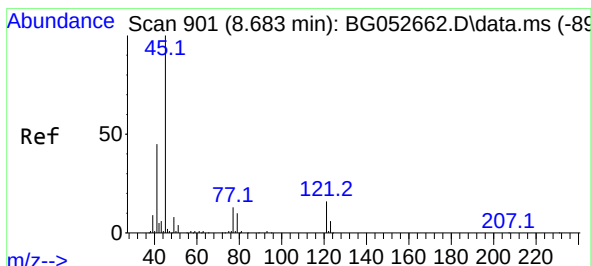
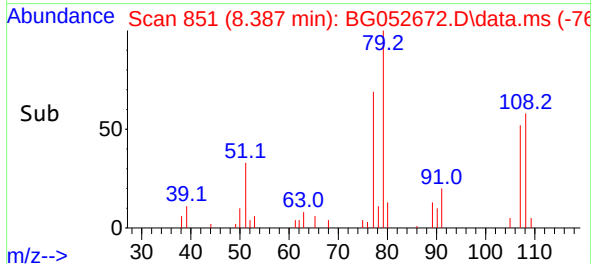
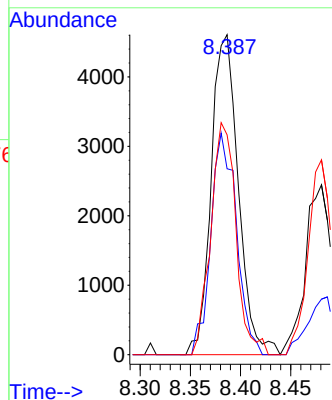
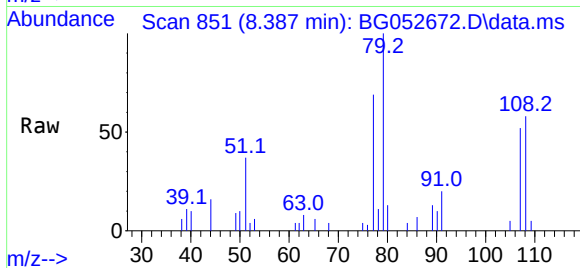
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 79 Resp: 868

Ion	Ratio	Lower	Upper
79	100		
108	58.1	55.1	82.7
77	68.7	52.4	78.6

Manual Integrations
APPROVED

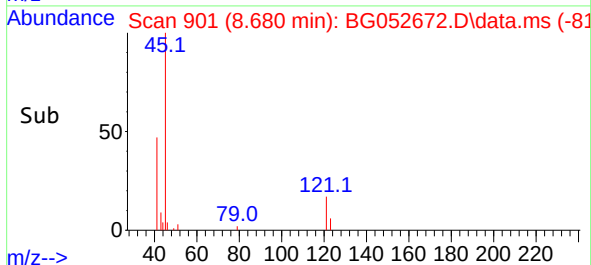
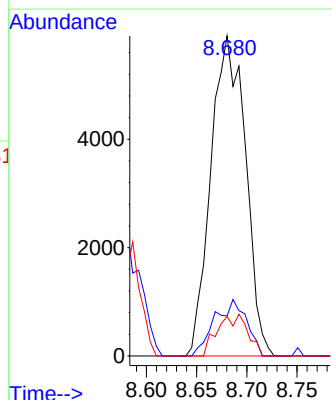
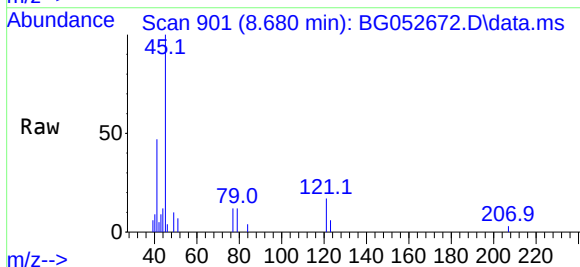
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

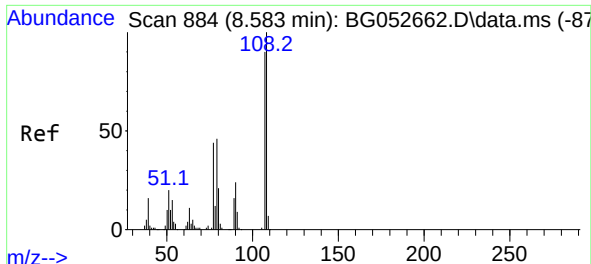


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.585 ng
RT: 8.680 min Scan# 901
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion: 45 Resp: 14168

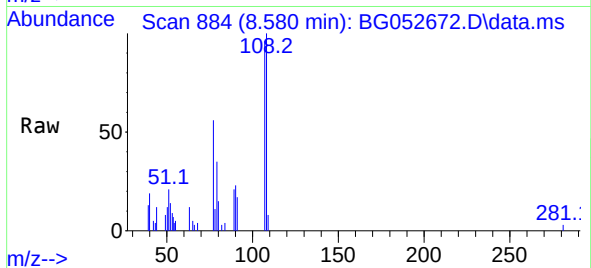
Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	34.9
79	12.4	0.0	30.7





#17
2-Methylphenol
Concen: 3.511 ng
RT: 8.580 min Scan# 884
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

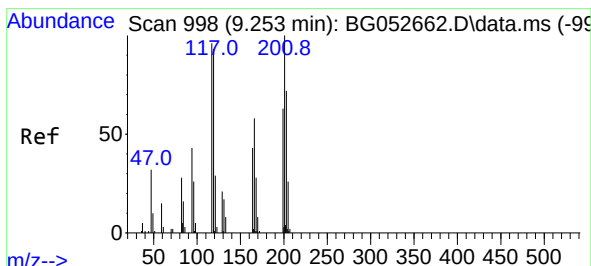
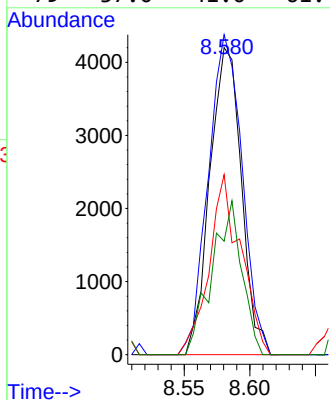
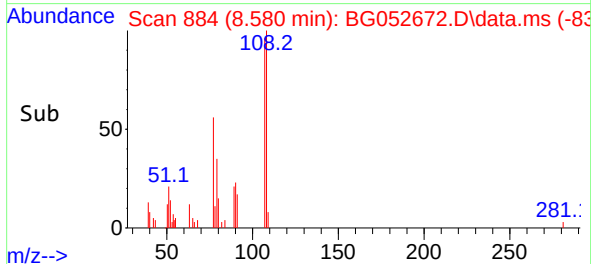
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:	107	Resp:	703
Ion	Ratio	Lower	Upper
107	100		
108	104.2	91.5	137.3
77	58.6	42.5	63.7
79	37.0	41.0	61.4

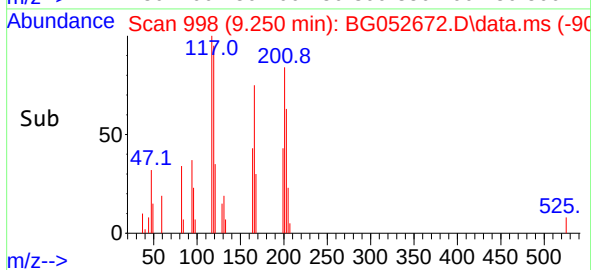
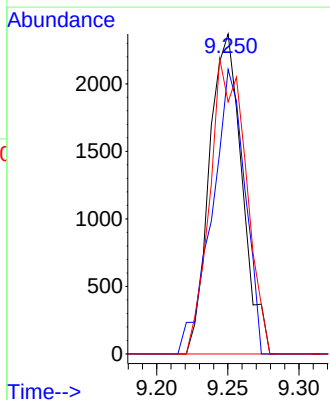
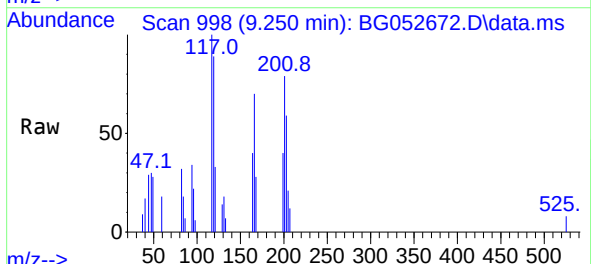
Manual Integrations
APPROVED

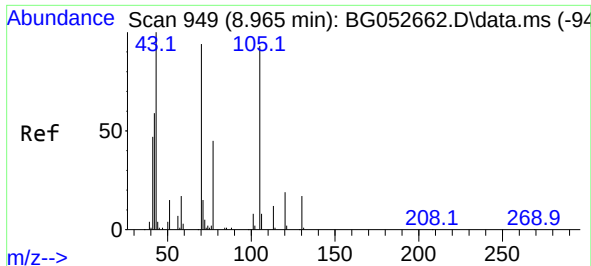
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#18
Hexachloroethane
Concen: 4.027 ng
RT: 9.250 min Scan# 998
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

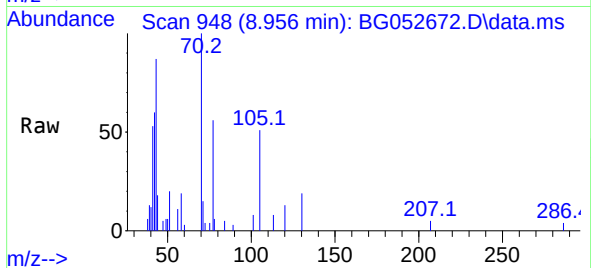
Tgt Ion:	117	Resp:	3792
Ion	Ratio	Lower	Upper
117	100		
119	88.9	75.1	112.7
201	78.8	96.6	145.0





#19
n-Nitroso-di-n-propylamine
Concen: 3.590 ng
RT: 8.956 min Scan# 949
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

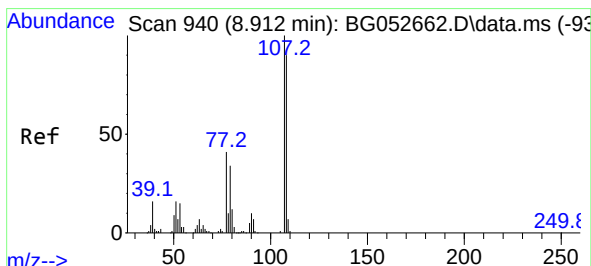
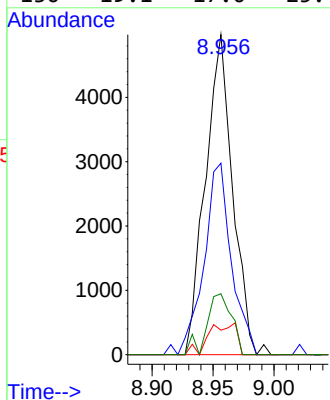
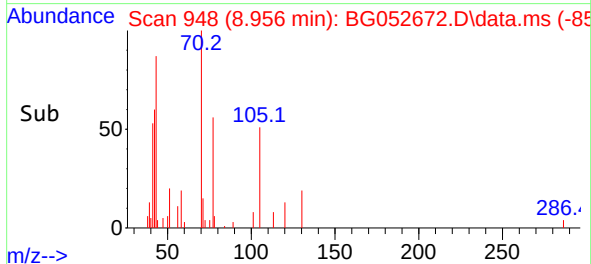
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



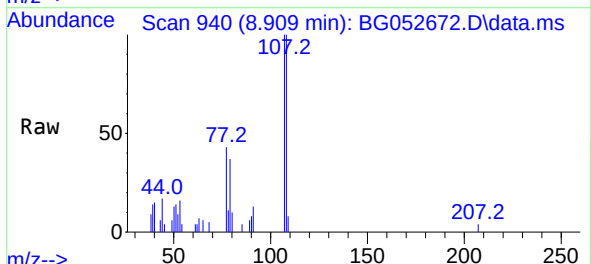
Tgt Ion: 70 Resp: 7740
Ion Ratio Lower Upper
70 100
42 59.8 46.0 69.0
101 7.7 6.2 9.4
130 19.1 17.0 25.4

Manual Integrations
APPROVED

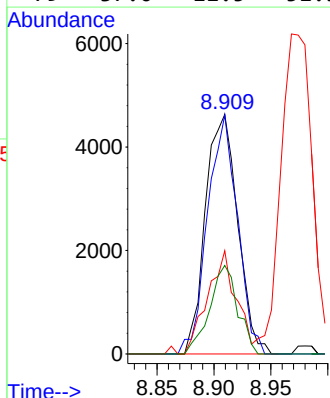
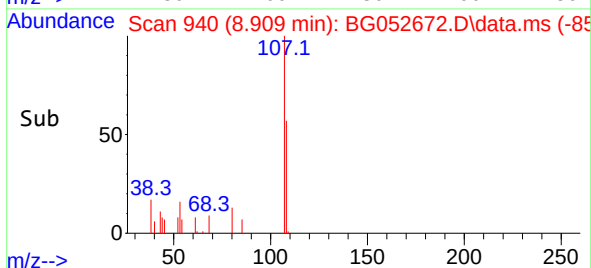
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

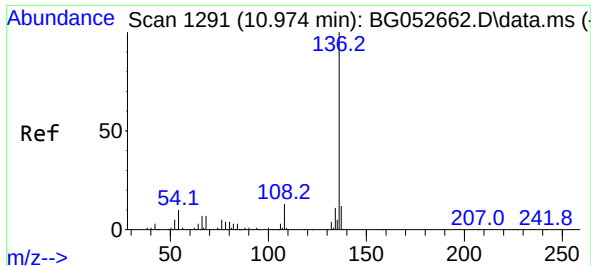


#20
3+4-Methylphenols
Concen: 3.254 ng
RT: 8.909 min Scan# 940
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



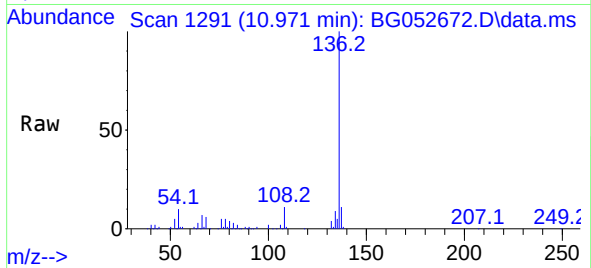
Tgt Ion:107 Resp: 9122
Ion Ratio Lower Upper
107 100
108 99.7 64.8 104.8
77 43.1 15.9 55.9
79 37.0 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.971 min Scan# 1097
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

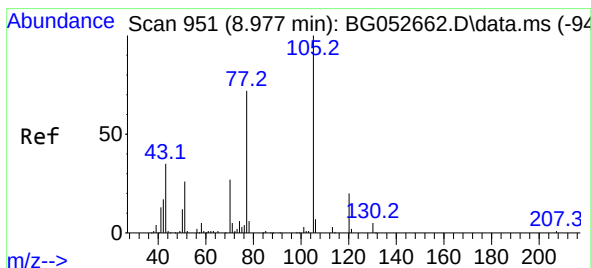
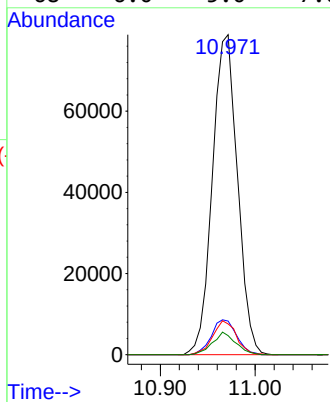
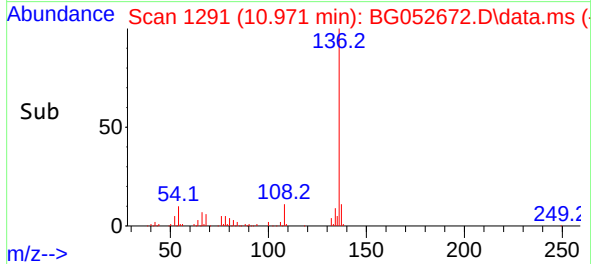
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



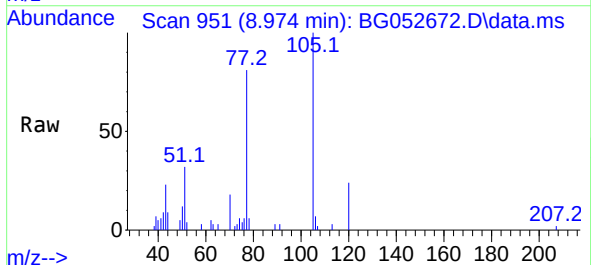
Tgt Ion:136 Resp: 14490
Ion Ratio Lower Upper
136 100
137 10.5 9.4 14.2
54 9.6 6.4 9.6
68 6.0 5.0 7.6

Manual Integrations
APPROVED

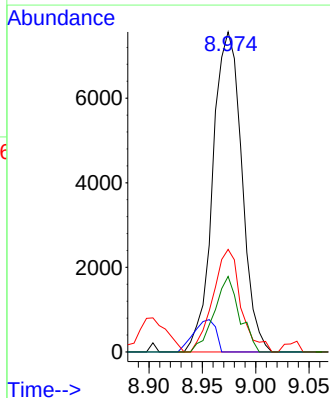
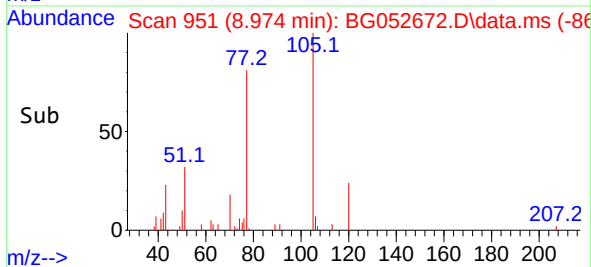
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

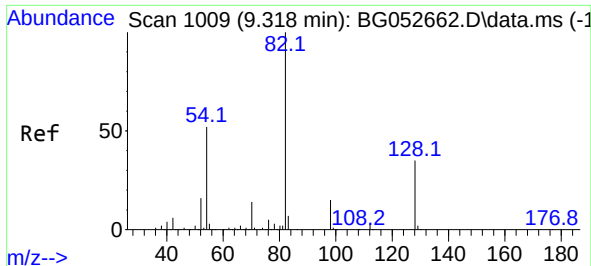


#22
Acetophenone
Concen: 3.809 ng
RT: 8.974 min Scan# 951
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



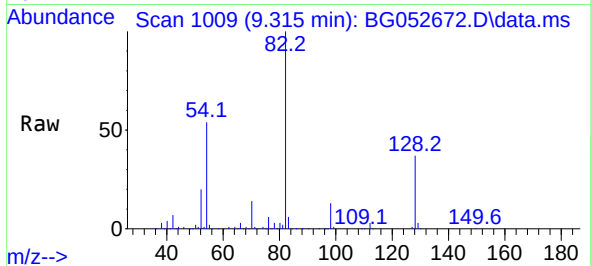
Tgt Ion:105 Resp: 14282
Ion Ratio Lower Upper
105 100
71 0.0 2.1 3.1#
51 32.0 21.9 32.9
120 23.6 15.3 22.9#





#23
Nitrobenzene-d5
Concen: 77.281 ng
RT: 9.315 min Scan# 1009
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

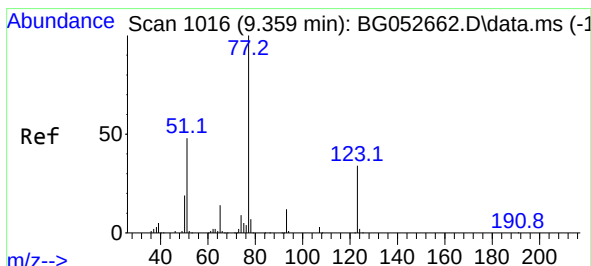
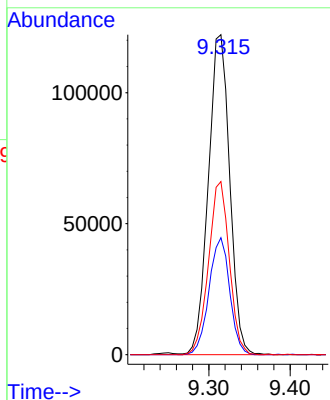
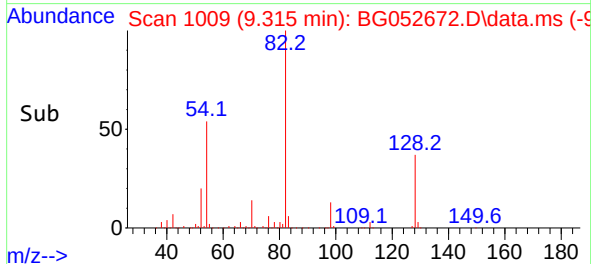
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



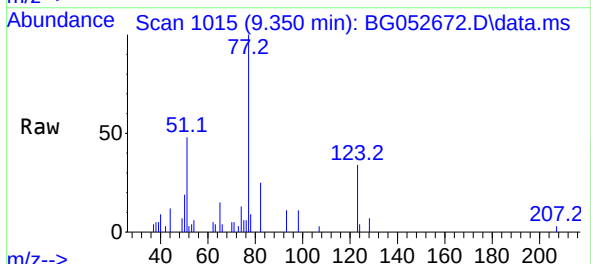
Tgt Ion: 82 Resp: 22312
Ion Ratio Lower Upper
82 100
128 36.5 31.3 46.9
54 54.1 37.8 56.8

Manual Integrations
APPROVED

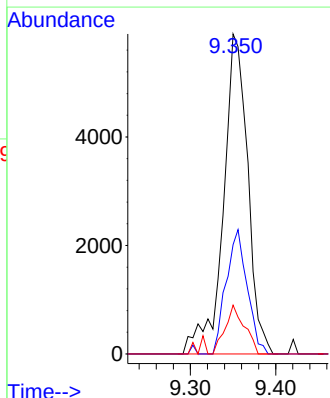
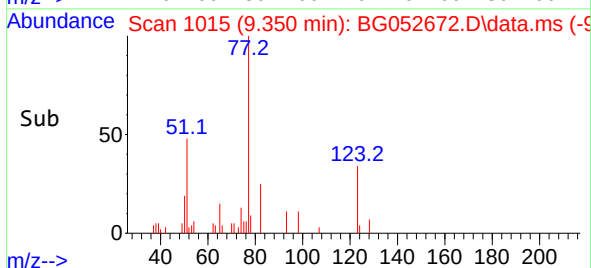
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

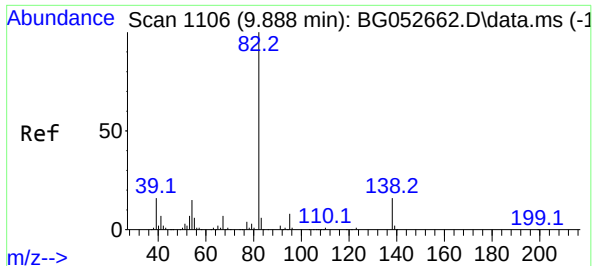


#24
Nitrobenzene
Concen: 4.062 ng
RT: 9.350 min Scan# 1015
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



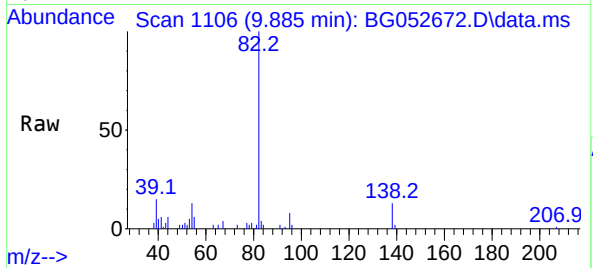
Tgt Ion: 77 Resp: 11735
Ion Ratio Lower Upper
77 100
123 34.2 34.4 51.6#
65 15.3 11.2 16.8





#25
Isophorone
Concen: 3.475 ng
RT: 9.885 min Scan# 1106
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

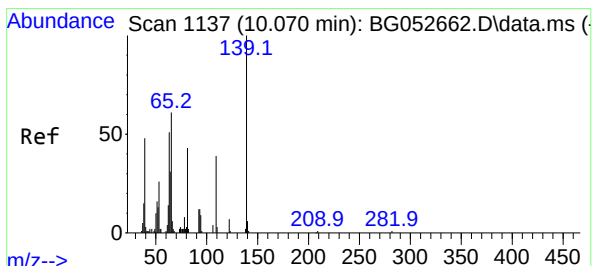
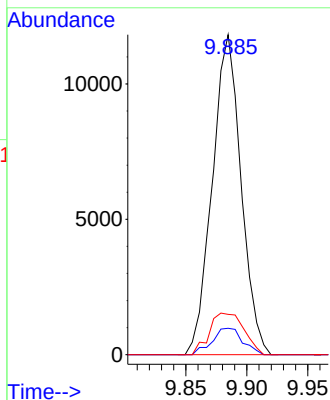
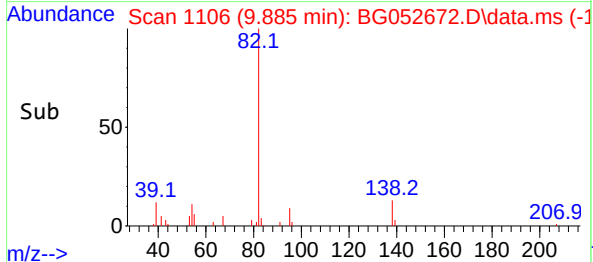
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



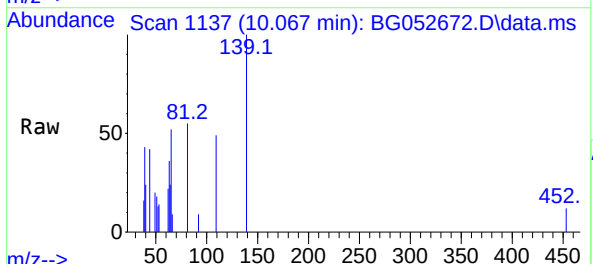
Tgt Ion: 82 Resp: 19424
Ion Ratio Lower Upper
82 100
95 8.3 5.8 8.6
138 12.6 12.6 18.8

Manual Integrations
APPROVED

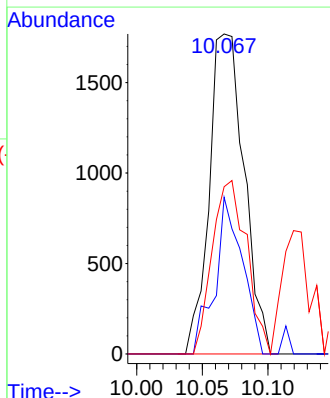
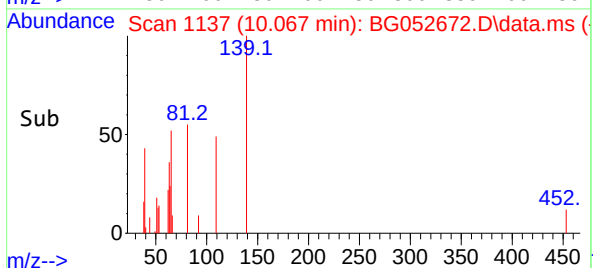
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

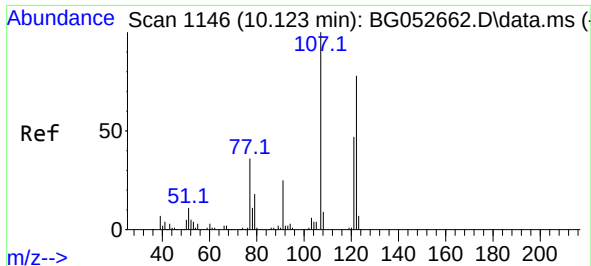


#26
2-Nitrophenol
Concen: 3.259 ng
RT: 10.067 min Scan# 1137
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:139 Resp: 3269
Ion Ratio Lower Upper
139 100
109 49.0 29.4 44.0#
65 52.2 48.2 72.2





#27

2,4-Dimethylphenol

Concen: 4.141 ng

RT: 10.125 min Scan# 1146

Delta R.T. 0.003 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

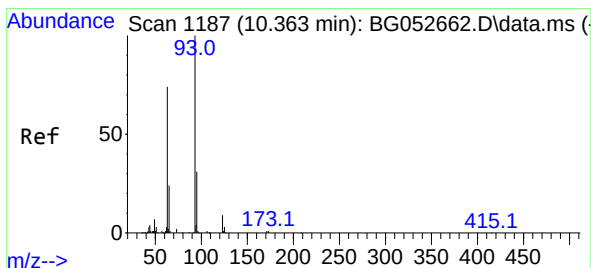
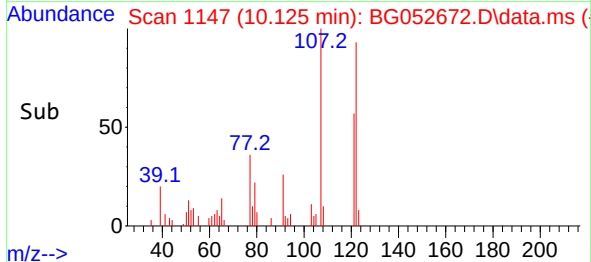
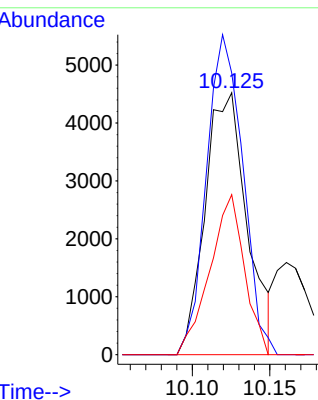
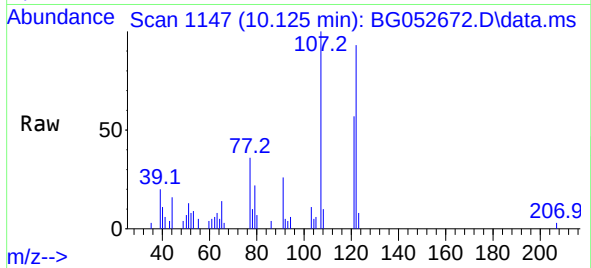
Tgt Ion:	122	Resp:	849
Ion	Ratio	Lower	Upper
122	100		
107	107.6	96.7	145.1
121	61.1	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.205 ng

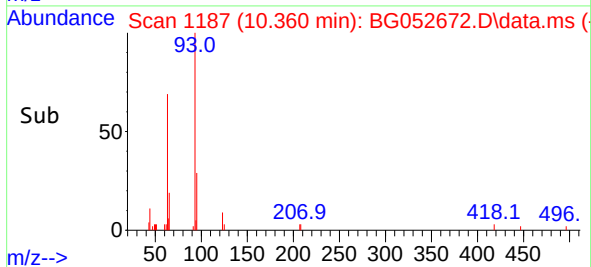
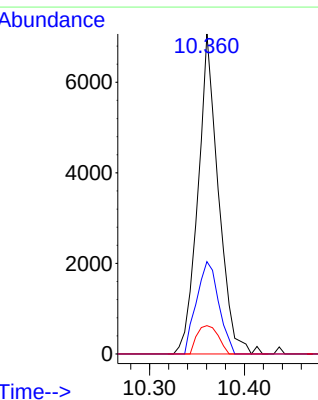
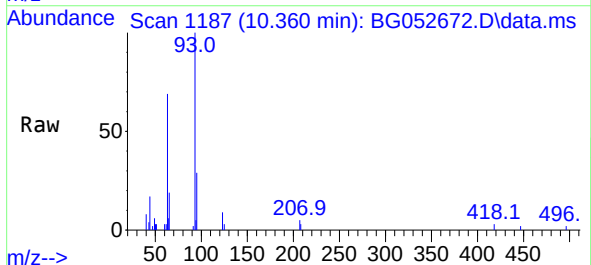
RT: 10.360 min Scan# 1187

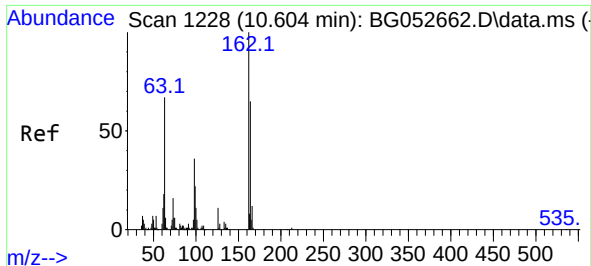
Delta R.T. -0.003 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

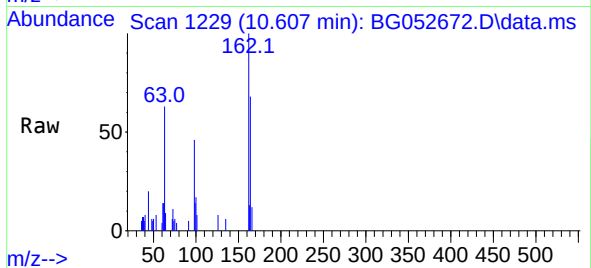
Tgt Ion:	93	Resp:	10593
Ion	Ratio	Lower	Upper
93	100		
95	28.8	26.5	39.7
123	8.9	8.6	12.8





#29
2,4-Dichlorophenol
Concen: 3.080 ng
RT: 10.607 min Scan# 1229
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

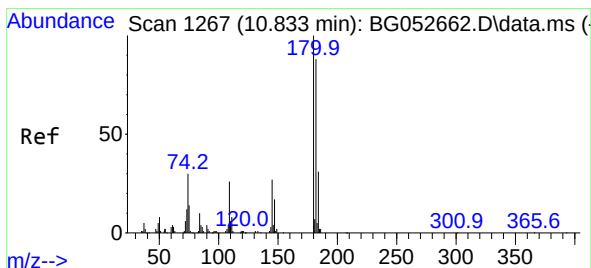
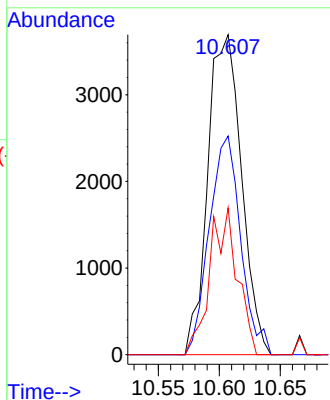
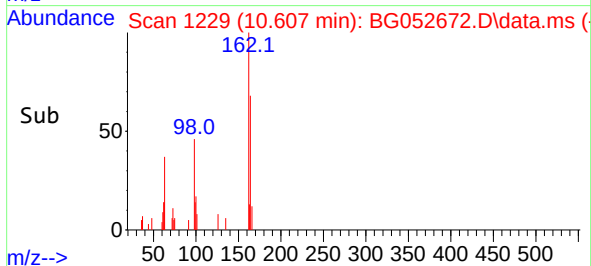
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



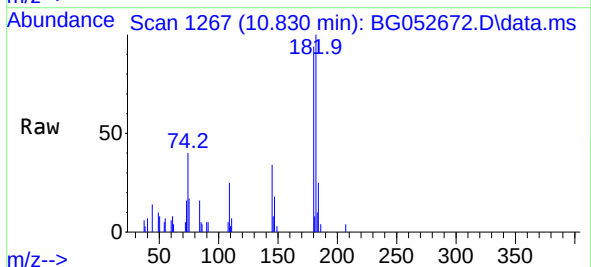
Tgt Ion:162 Resp: 7112
Ion Ratio Lower Upper
162 100
164 68.3 44.0 84.0
98 45.9 17.3 57.3

Manual Integrations
APPROVED

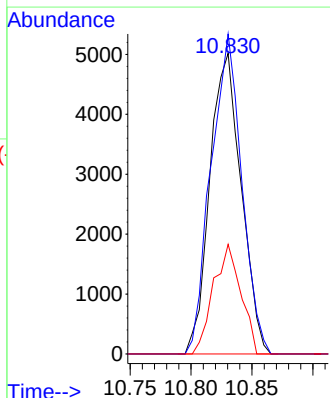
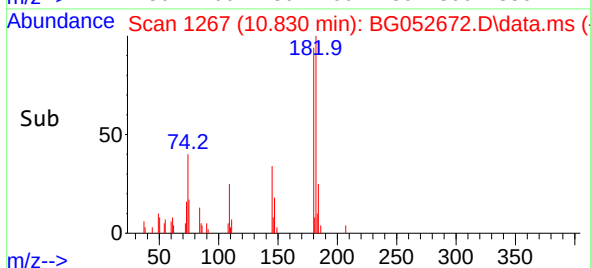
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

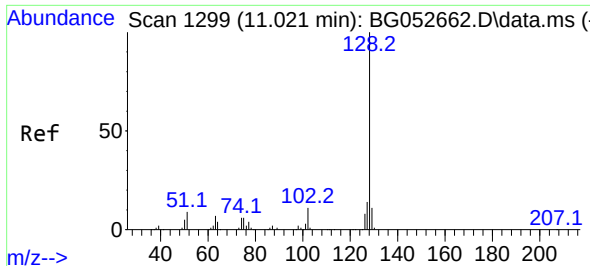


#30
1,2,4-Trichlorobenzene
Concen: 3.299 ng
RT: 10.830 min Scan# 1267
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:180 Resp: 8987
Ion Ratio Lower Upper
180 100
182 106.4 77.8 116.6
145 36.5 24.4 36.6





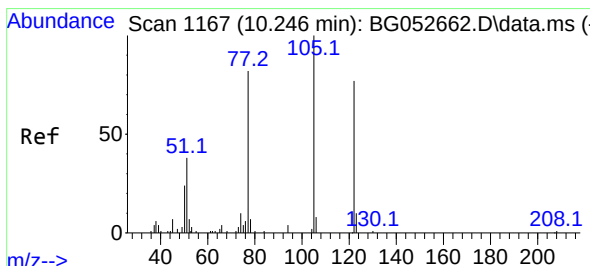
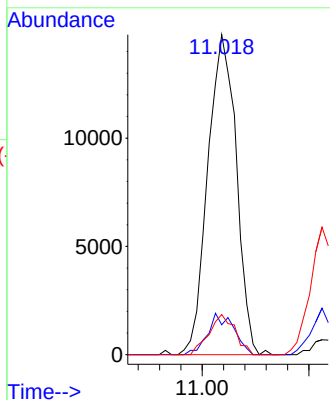
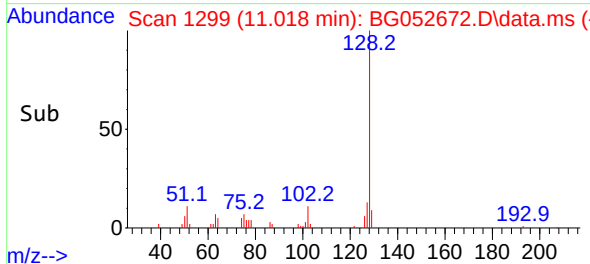
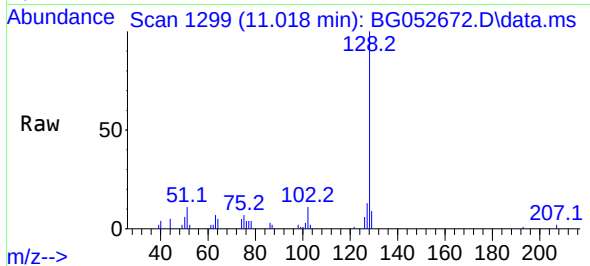
#31
Naphthalene
Concen: 3.669 ng
RT: 11.018 min Scan# 1153
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:128 Resp: 27494
Ion Ratio Lower Upper
128 100
129 9.3 8.8 13.2
127 12.6 10.5 15.7

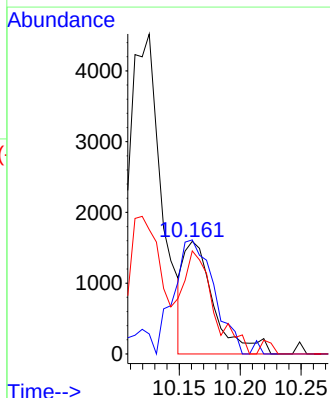
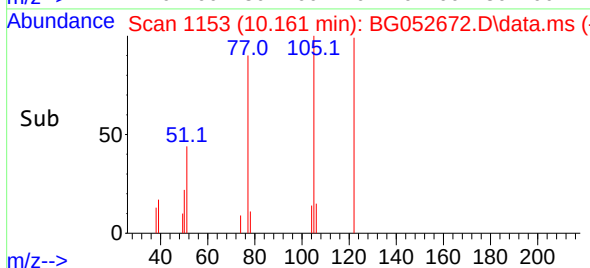
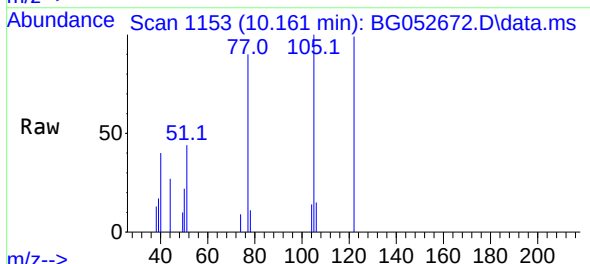
Manual Integrations
APPROVED

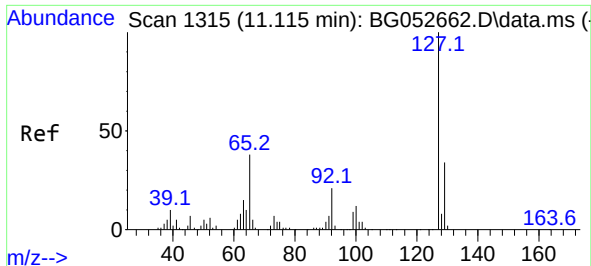
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 2.002 ng
RT: 10.161 min Scan# 1153
Delta R.T. -0.085 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

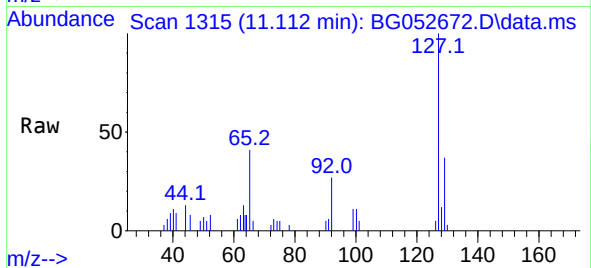
Tgt Ion:122 Resp: 2762
Ion Ratio Lower Upper
122 100
105 101.3 112.8 152.8#
77 91.5 78.4 118.4





#33
4-Chloroaniline
Concen: 3.332 ng
RT: 11.112 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

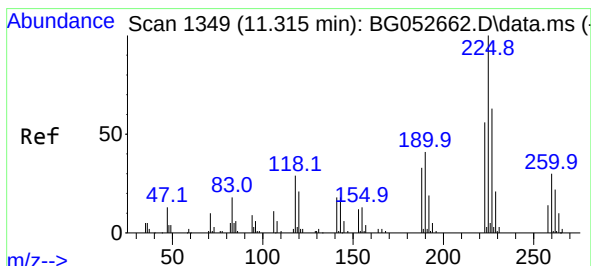
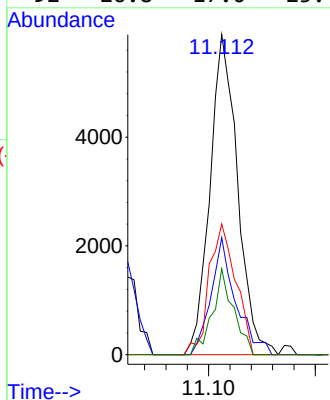
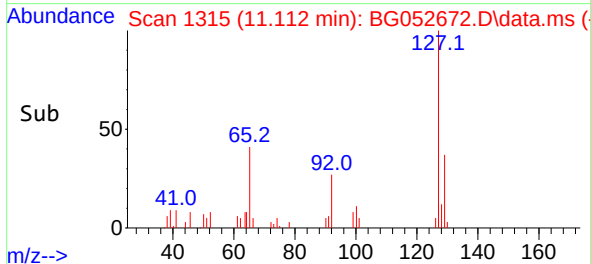
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



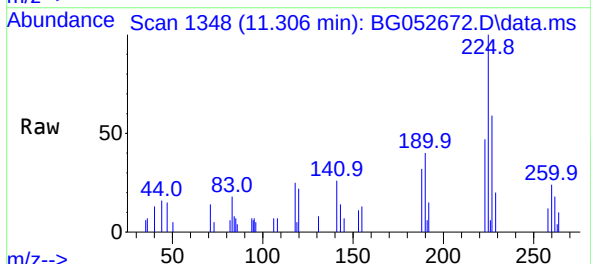
Tgt Ion	Ratio	Lower	Upper
127	100		
129	36.5	27.6	41.4
65	40.8	28.2	42.4
92	26.8	17.0	25.4

Manual Integrations
APPROVED

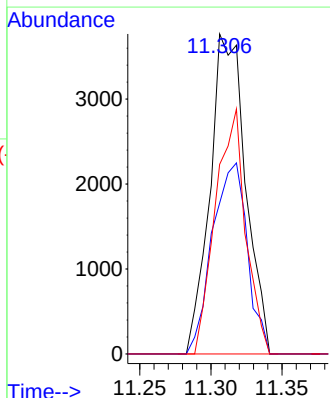
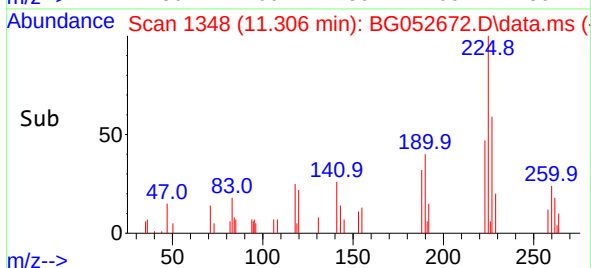
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

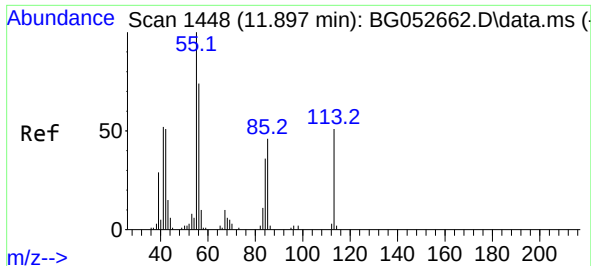


#34
Hexachlorobutadiene
Concen: 3.357 ng
RT: 11.306 min Scan# 1348
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



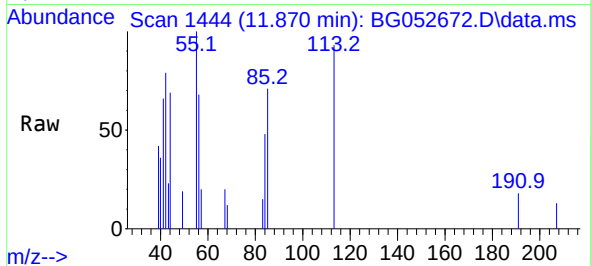
Tgt Ion	Ratio	Lower	Upper
225	100		
223	47.2	50.2	75.2
227	59.3	52.0	78.0





#35
Caprolactam
Concen: 3.436 ng
RT: 11.870 min Scan# 1444
Delta R.T. -0.026 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

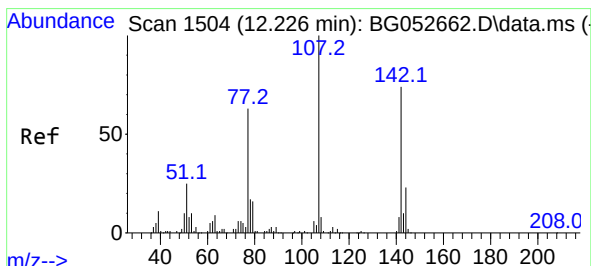
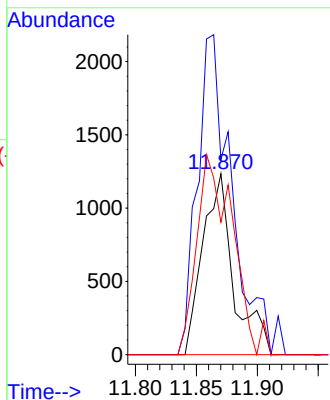
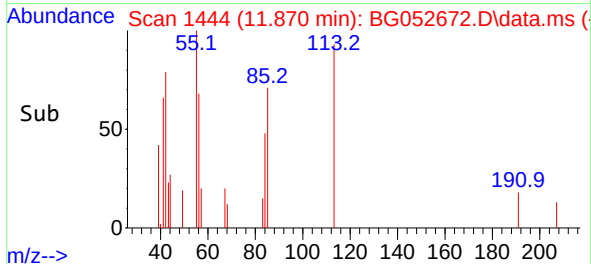
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



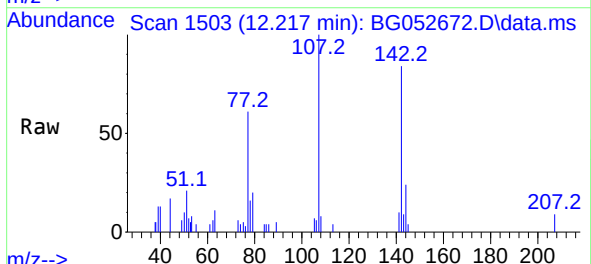
Tgt Ion:113 Resp: 216
Ion Ratio Lower Upper
113 100
55 107.9 151.3 191.3
56 73.2 128.5 168.5

Manual Integrations
APPROVED

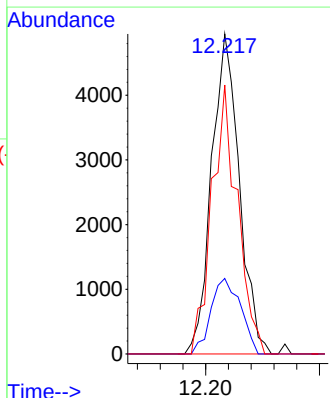
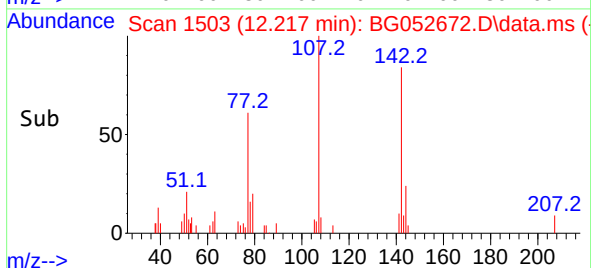
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

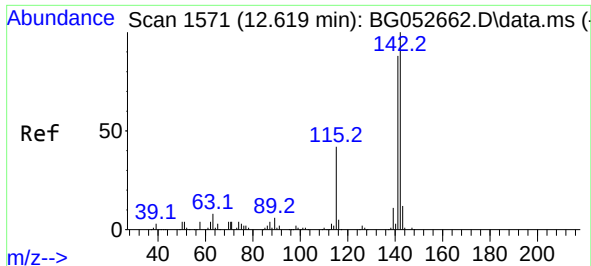


#36
4-Chloro-3-methylphenol
Concen: 3.122 ng
RT: 12.217 min Scan# 1503
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:107 Resp: 8372
Ion Ratio Lower Upper
107 100
144 23.6 21.4 32.0
142 84.1 61.7 92.5





#37

2-Methylnaphthalene

Concen: 3.527 ng

RT: 12.616 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

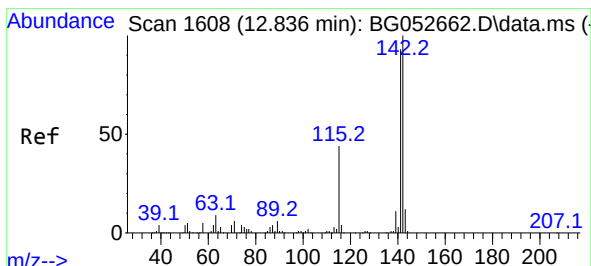
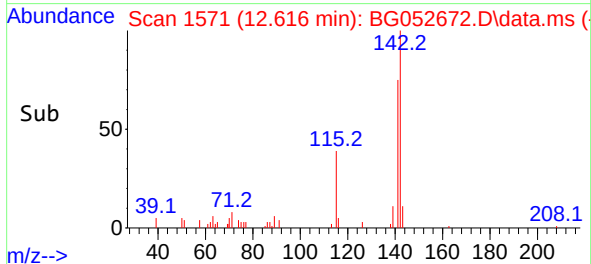
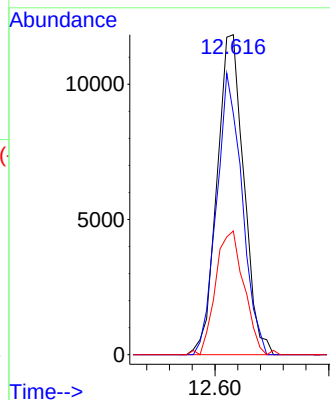
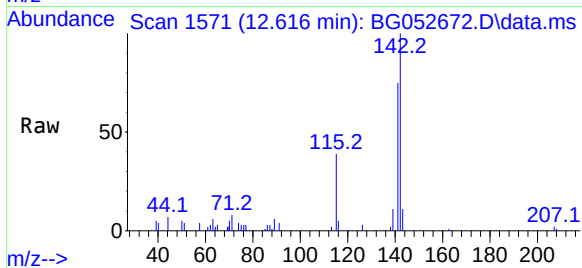
Tgt Ion:	142	Resp:	1935
Ion Ratio	Lower	Upper	
142	100		
141	75.3	71.3	106.9
115	38.7	29.5	44.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#38

1-Methylnaphthalene

Concen: 3.410 ng

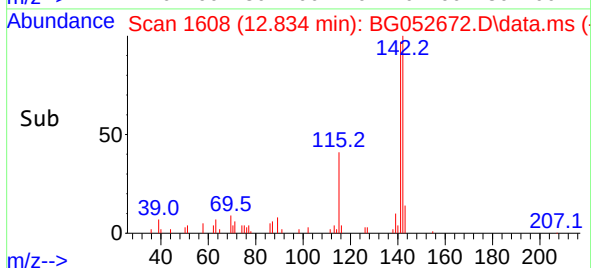
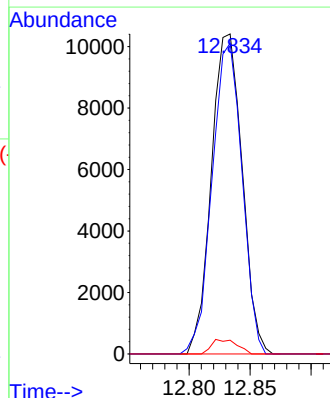
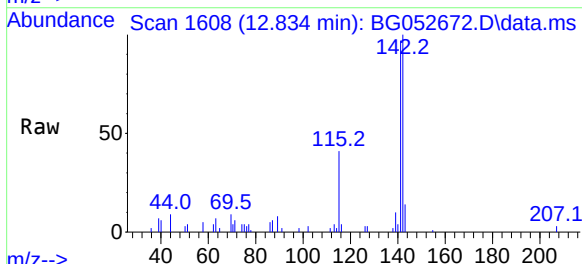
RT: 12.834 min Scan# 1608

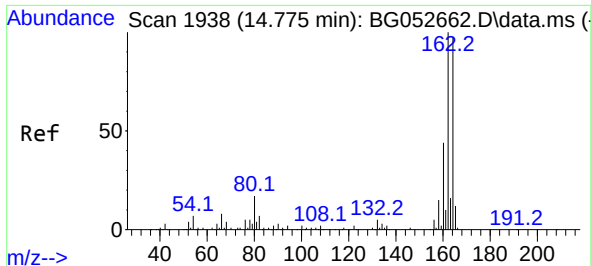
Delta R.T. -0.003 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

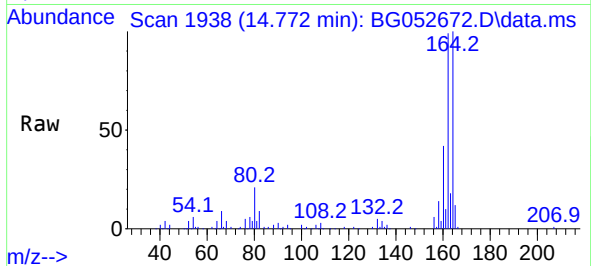
Tgt Ion:	142	Resp:	18261
Ion Ratio	Lower	Upper	
142	100		
141	97.1	70.5	105.7
116	4.3	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1938
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

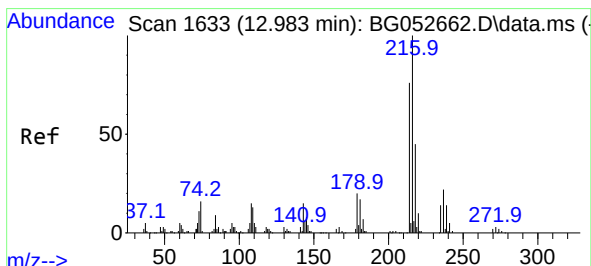
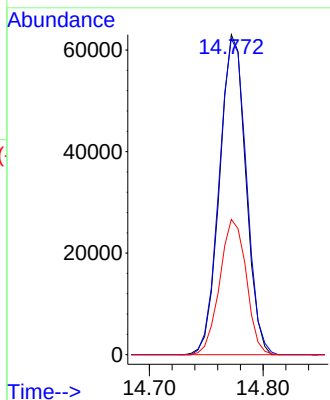
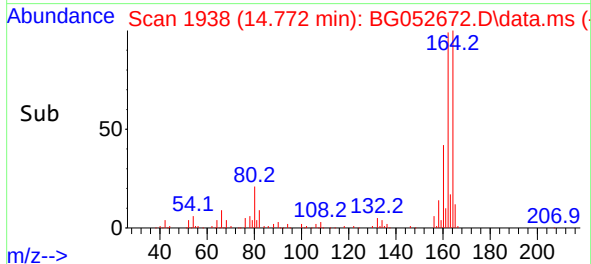
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



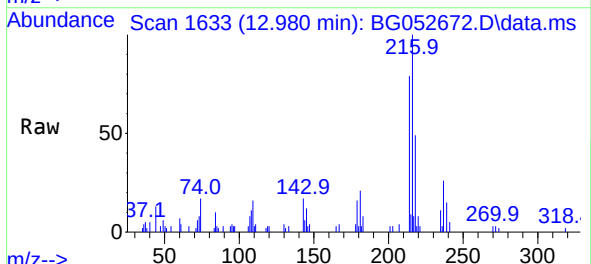
Tgt Ion:164 Resp: 10056
Ion Ratio Lower Upper
164 100
162 98.7 80.0 120.0
160 42.3 38.8 58.2

Manual Integrations
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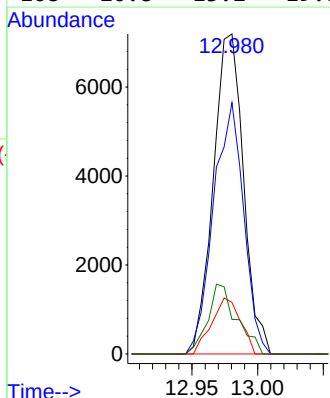
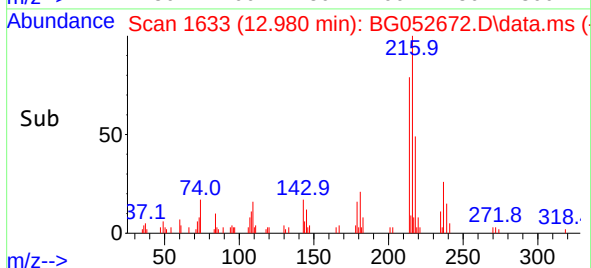
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

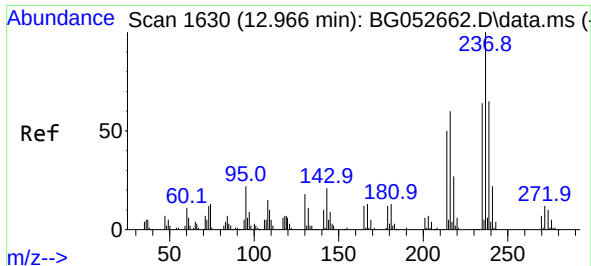


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.653 ng
RT: 12.980 min Scan# 1633
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



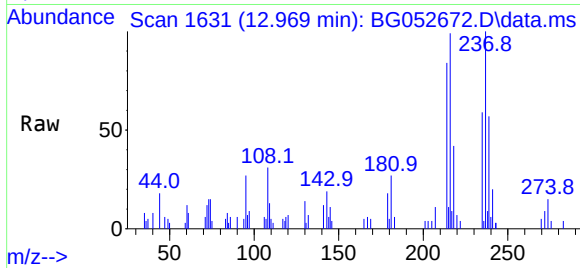
Tgt Ion:216 Resp: 11476
Ion Ratio Lower Upper
216 100
214 78.5 63.8 95.6
179 16.8 15.7 23.5
108 20.8 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 3.924 ng
RT: 12.969 min Scan# 1630
Delta R.T. 0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

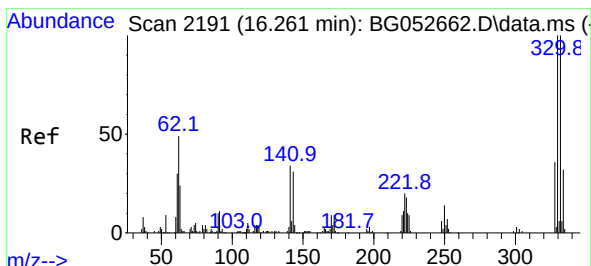
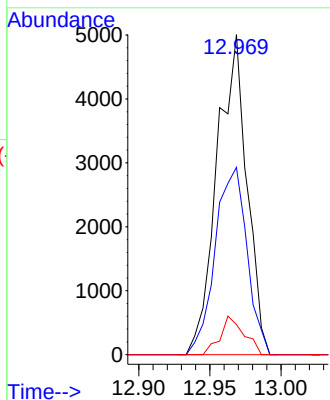
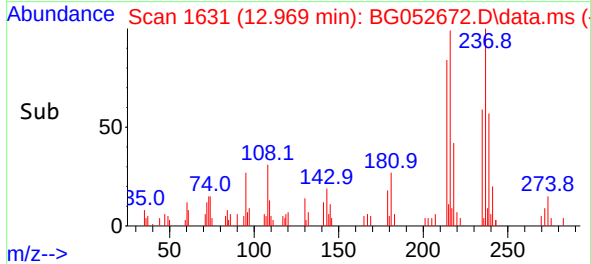
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



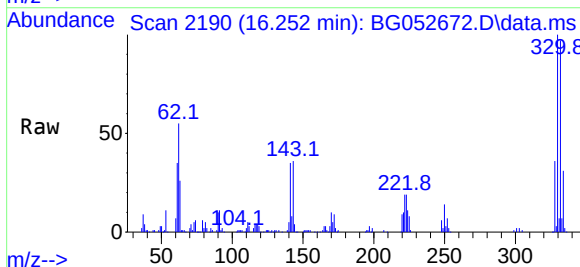
Tgt Ion:237 Resp: 7308
Ion Ratio Lower Upper
237 100
235 58.5 37.7 77.7
272 9.4 0.0 30.7

Manual Integrations
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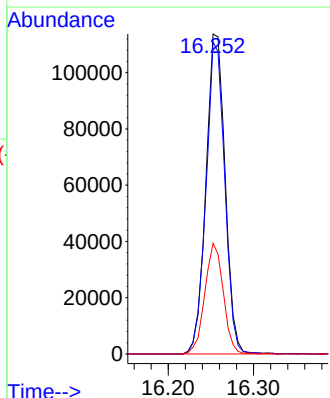
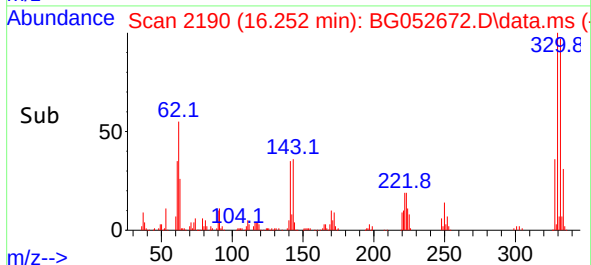
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

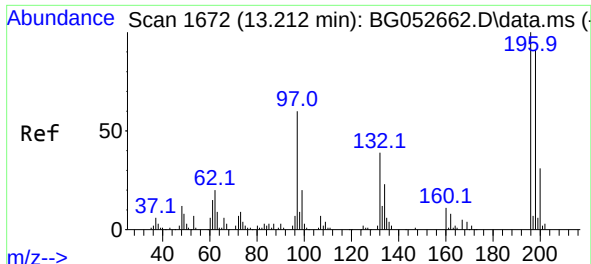


#42
2,4,6-Tribromophenol
Concen: 131.505 ng
RT: 16.252 min Scan# 2190
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



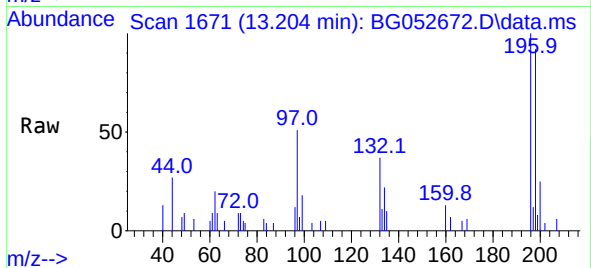
Tgt Ion:330 Resp: 177706
Ion Ratio Lower Upper
330 100
332 94.9 75.8 113.6
141 33.3 24.6 36.8





#43
2,4,6-Trichlorophenol
Concen: 3.067 ng
RT: 13.204 min Scan# 1672
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

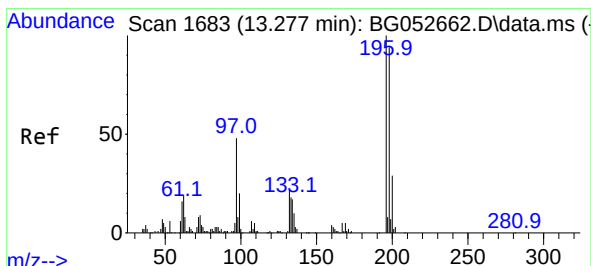
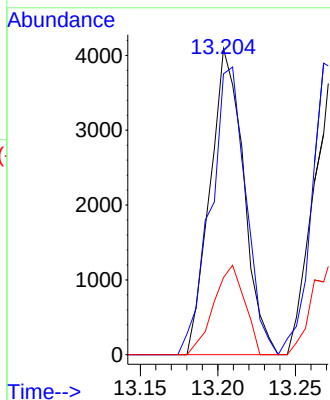
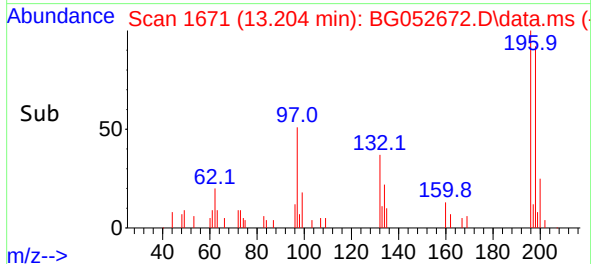
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



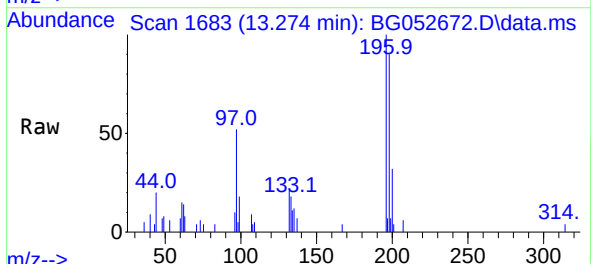
Tgt Ion:196 Resp: 6170
Ion Ratio Lower Upper
196 100
198 91.7 78.8 118.2
200 25.2 25.1 37.7

Manual Integrations
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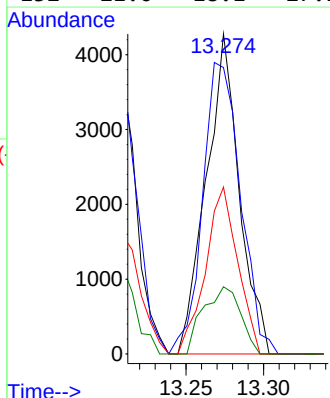
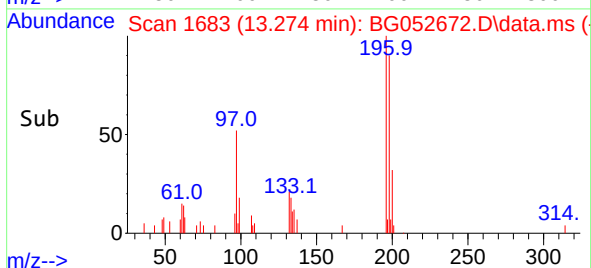
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

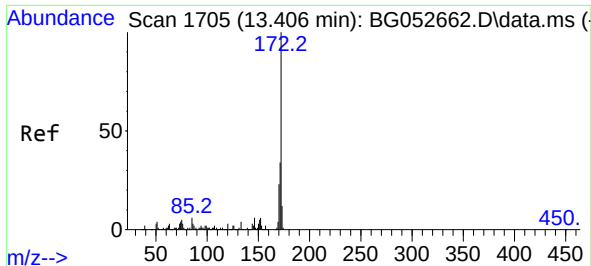


#44
2,4,5-Trichlorophenol
Concen: 3.101 ng
RT: 13.274 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:196 Resp: 6332
Ion Ratio Lower Upper
196 100
198 89.5 75.8 113.6
97 52.1 36.5 54.7
132 21.0 18.1 27.1





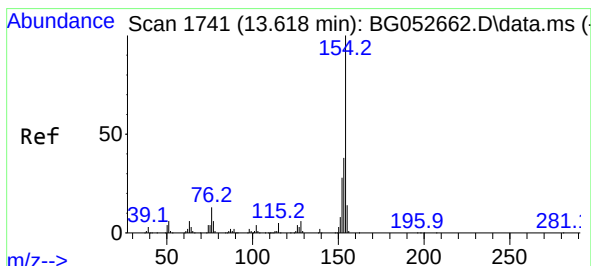
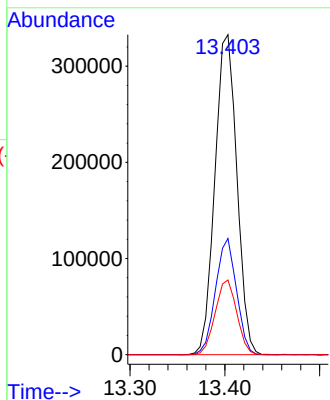
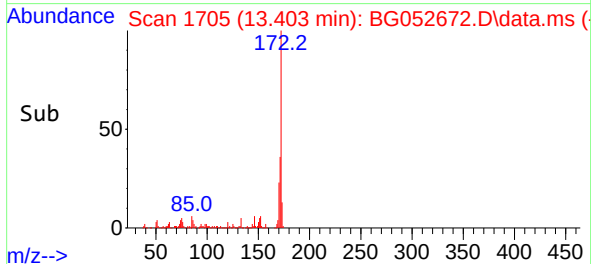
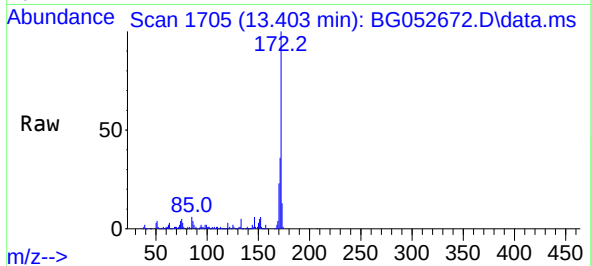
#45
2-Fluorobiphenyl
Concen: 78.652 ng
RT: 13.403 min Scan# 1705
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:172 Resp: 53630
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.3 18.0 27.0

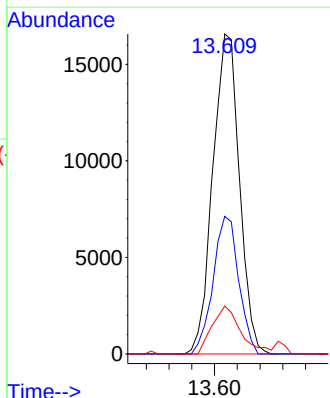
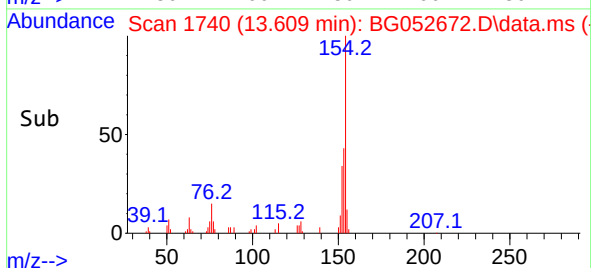
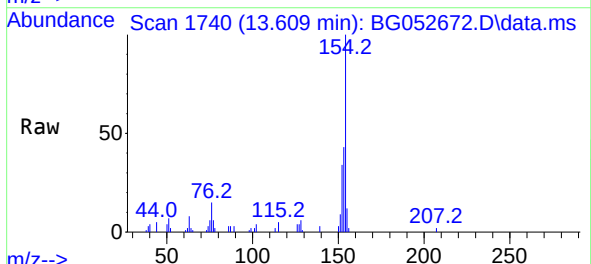
Manual Integrations
APPROVED

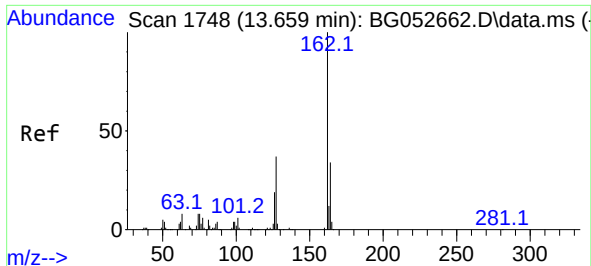
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#46
1,1'-Biphenyl
Concen: 3.826 ng
RT: 13.609 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:154 Resp: 26906
Ion Ratio Lower Upper
154 100
153 43.0 21.6 61.6
76 14.9 0.0 31.5





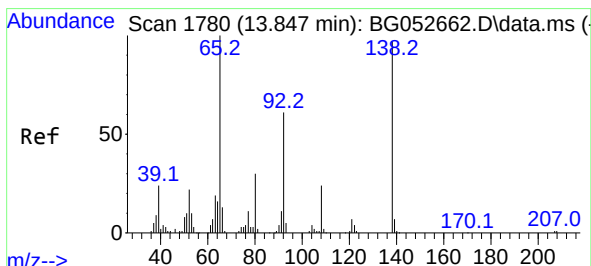
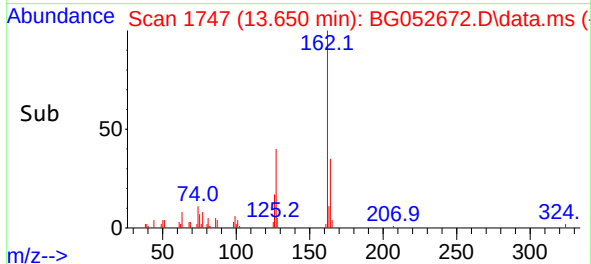
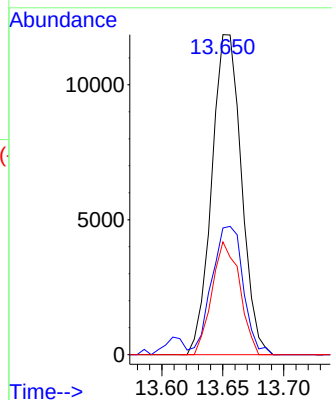
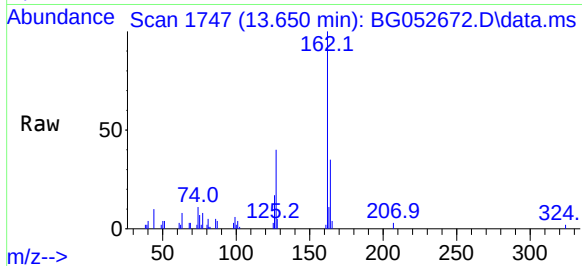
#47
2-Chloronaphthalene
Concen: 3.620 ng
RT: 13.650 min Scan# 1748
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:162 Resp: 2005
Ion Ratio Lower Upper
162 100
127 39.6 28.1 42.1
164 35.3 26.0 39.0

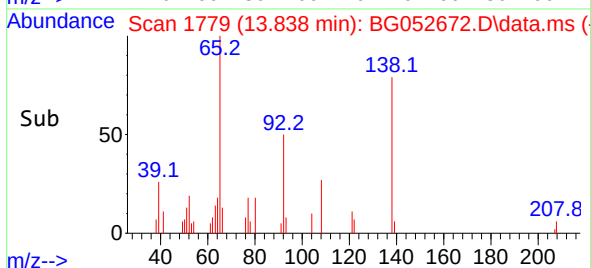
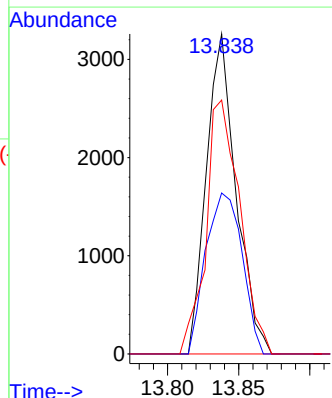
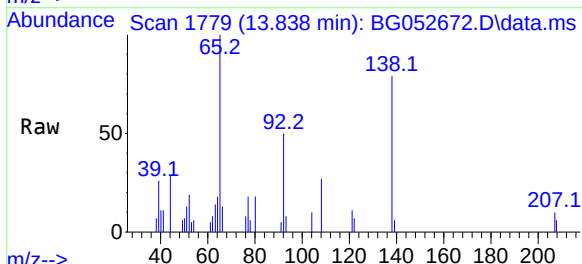
Manual Integrations
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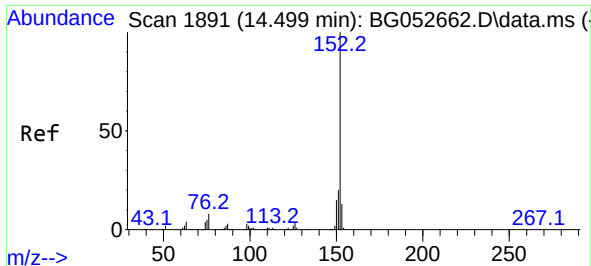
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#48
2-Nitroaniline
Concen: 3.133 ng
RT: 13.838 min Scan# 1779
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

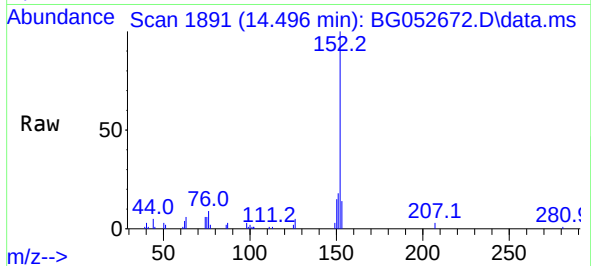
Tgt Ion: 65 Resp: 4746
Ion Ratio Lower Upper
65 100
92 50.3 52.1 78.1#
138 79.3 80.1 120.1#





#49
Acenaphthylene
Concen: 3.860 ng
RT: 14.496 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

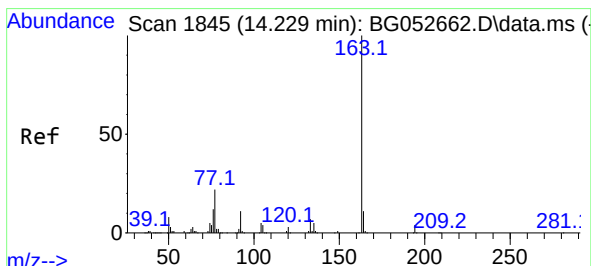
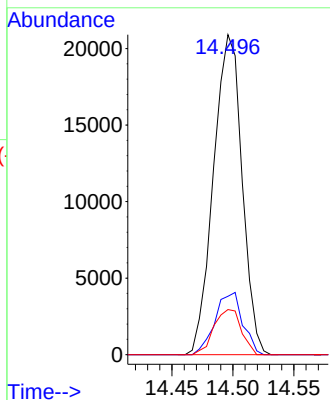
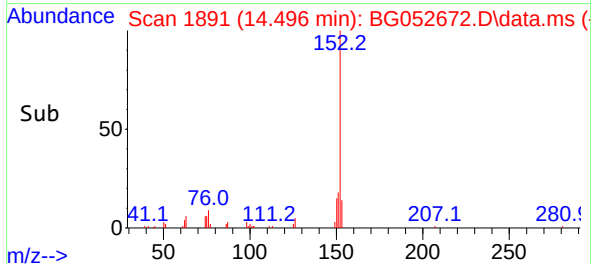
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



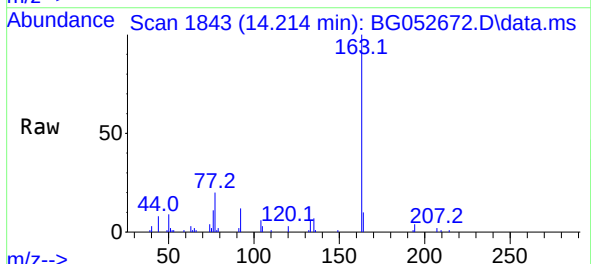
Tgt Ion:152 Resp: 34084
Ion Ratio Lower Upper
152 100
151 18.2 15.8 23.6
153 14.1 10.6 15.8

Manual Integrations
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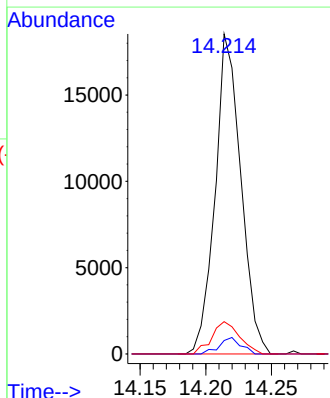
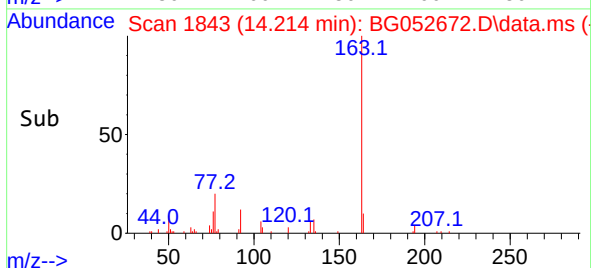
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

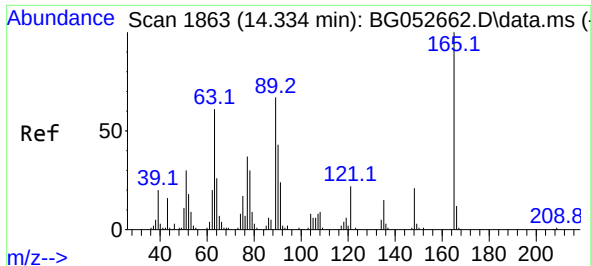


#50
Dimethylphthalate
Concen: 3.373 ng
RT: 14.214 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



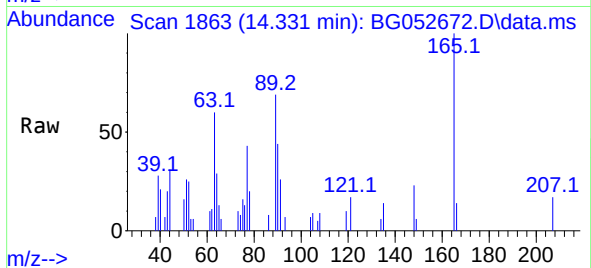
Tgt Ion:163 Resp: 25210
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.1 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 2.971 ng
RT: 14.331 min Scan# 1863
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

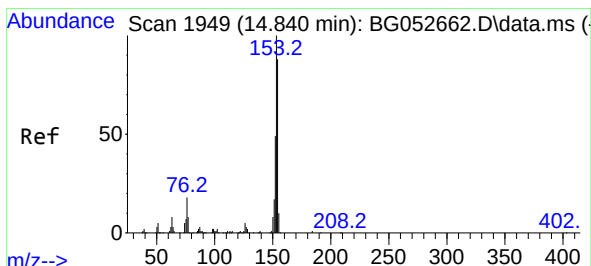
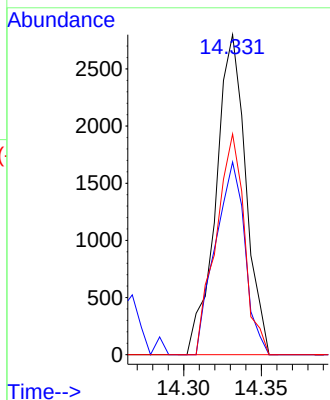
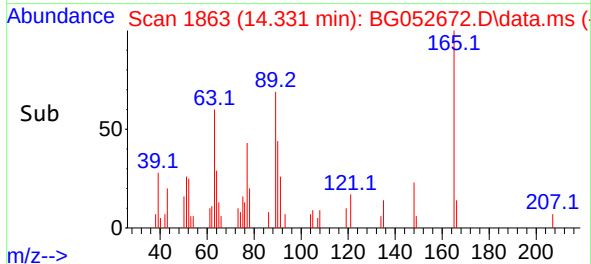
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



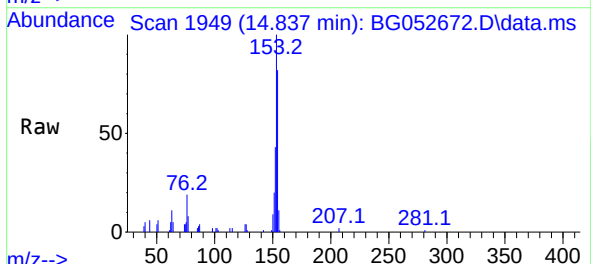
Tgt Ion:165 Resp: 3749
Ion Ratio Lower Upper
165 100
63 60.2 43.7 65.5
89 68.9 45.0 67.4

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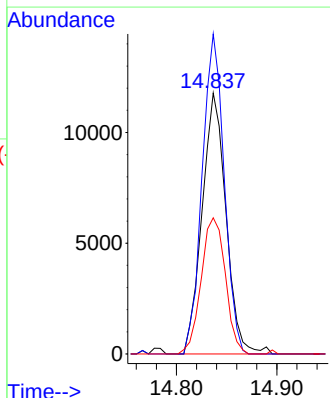
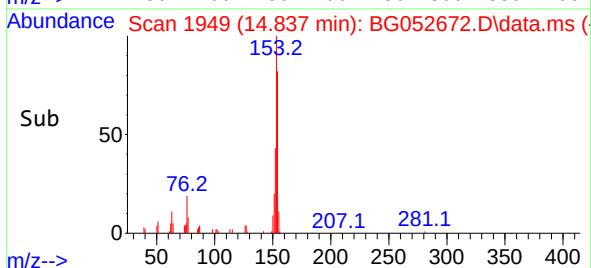
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

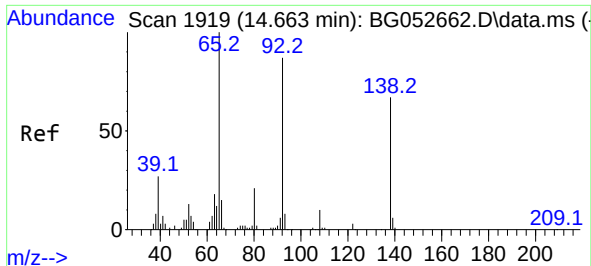


#52
Acenaphthene
Concen: 3.457 ng
RT: 14.837 min Scan# 1949
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



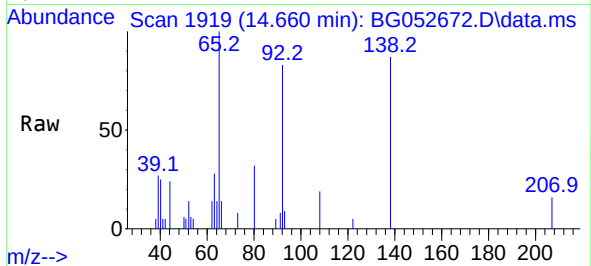
Tgt Ion:154 Resp: 19553
Ion Ratio Lower Upper
154 100
153 122.6 89.0 133.4
152 52.1 40.5 60.7





#53
3-Nitroaniline
Concen: 2.962 ng
RT: 14.660 min Scan# 1919
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

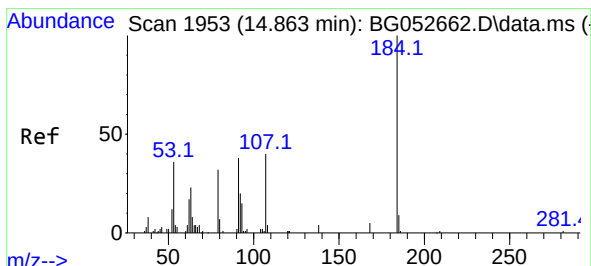
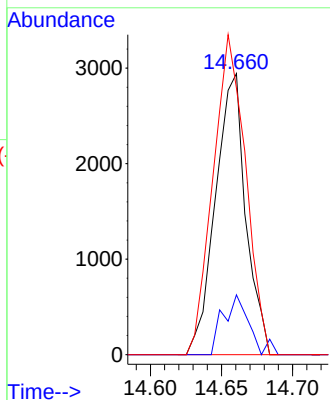
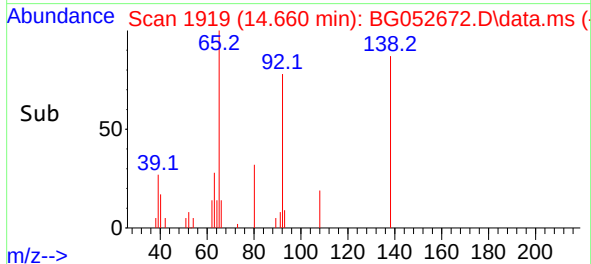
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



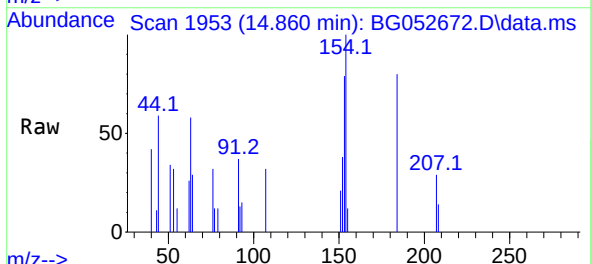
Tgt Ion:138 Resp: 4374
Ion Ratio Lower Upper
138 100
108 21.3 8.0 12.0
92 94.8 96.2 144.2

Manual Integrations
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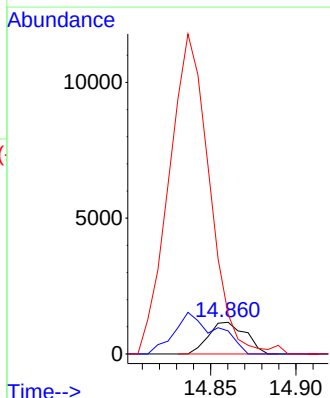
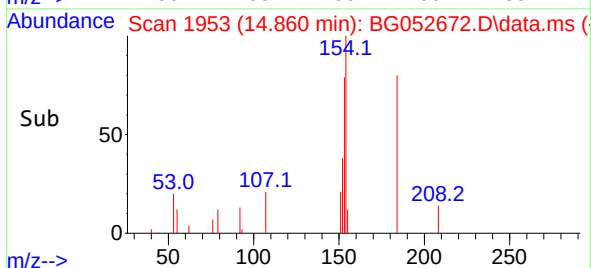
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

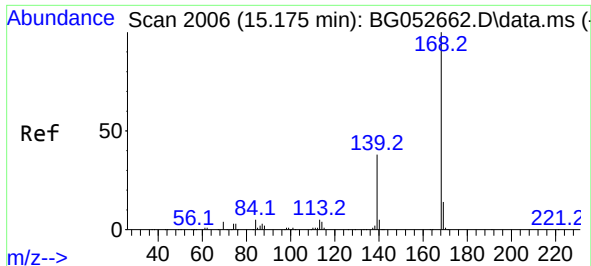


#54
2,4-Dinitrophenol
Concen: 2.578 ng
RT: 14.860 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:184 Resp: 1773
Ion Ratio Lower Upper
184 100
63 72.4 51.8 77.6
154 124.9 47.8 71.6





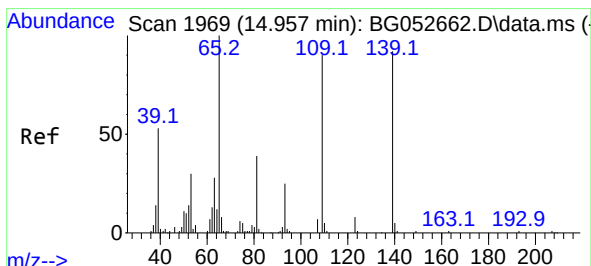
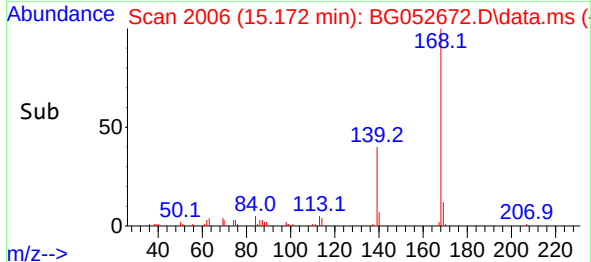
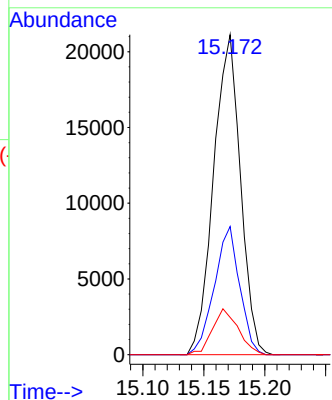
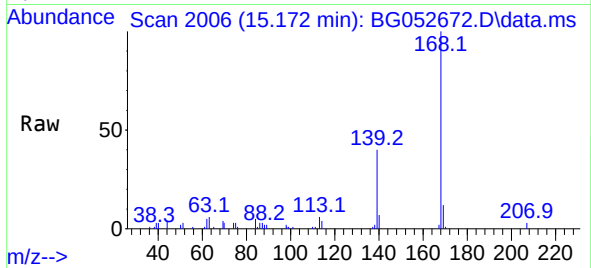
#55
Dibenzenofuran
Concen: 3.500 ng
RT: 15.172 min Scan# 2006
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:168 Resp: 3233
Ion Ratio Lower Upper
168 100
139 40.0 30.2 45.4
169 11.7 10.7 16.1

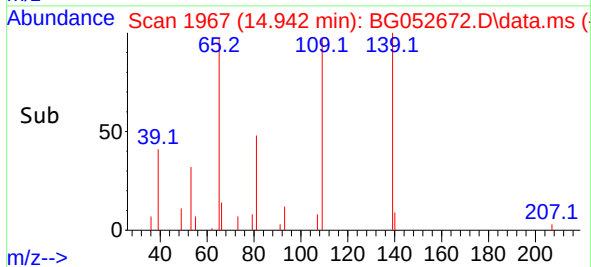
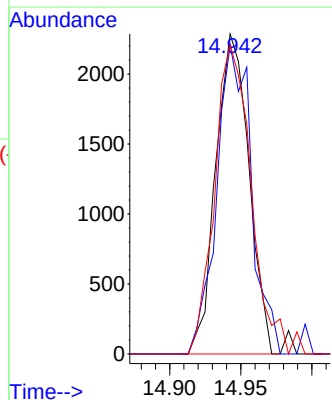
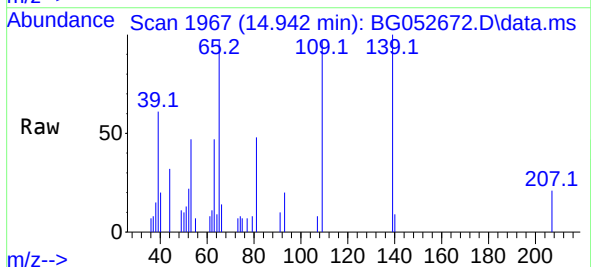
Manual Integrations
APPROVED

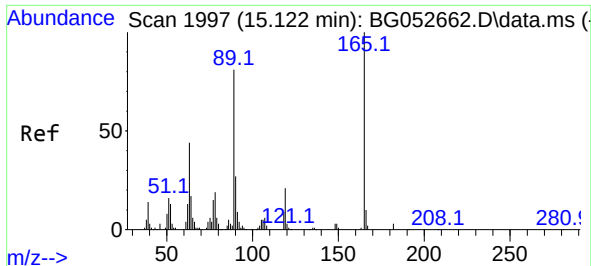
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#56
4-Nitrophenol
Concen: 3.074 ng
RT: 14.942 min Scan# 1967
Delta R.T. -0.015 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

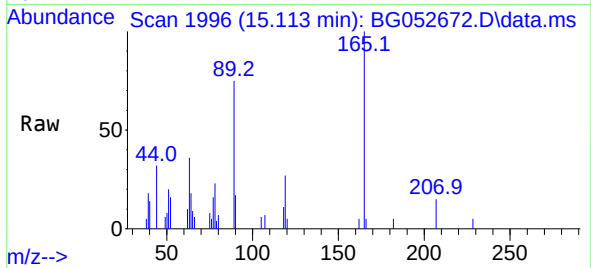
Tgt Ion:139 Resp: 3703
Ion Ratio Lower Upper
139 100
109 96.7 67.1 107.1
65 96.6 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 2.994 ng
RT: 15.113 min Scan# 1996
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

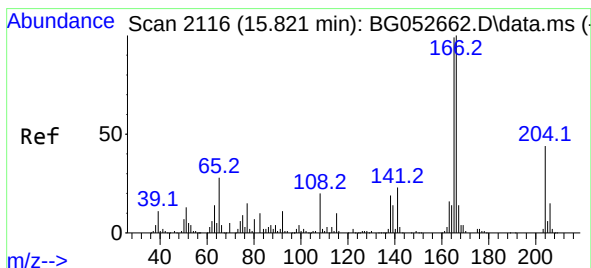
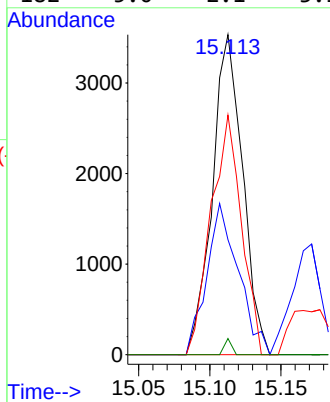
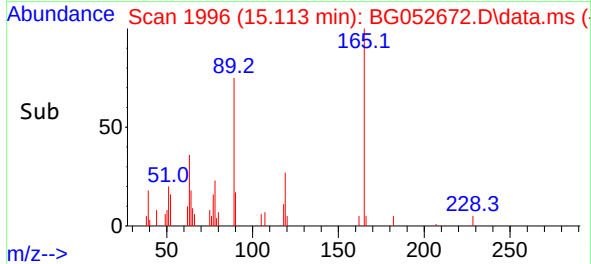
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



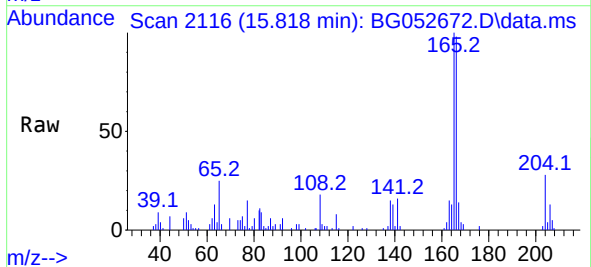
Tgt Ion:165 Resp: 524
Ion Ratio Lower Upper
165 100
63 36.0 34.8 52.2
89 74.9 57.4 86.0
182 5.0 2.1 3.1#

Manual Integrations
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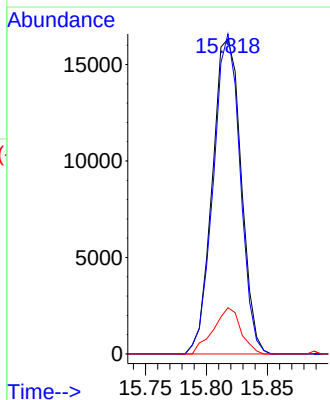
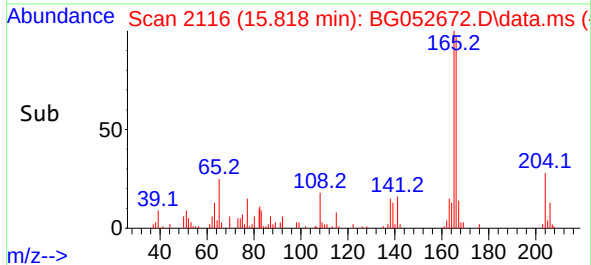
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

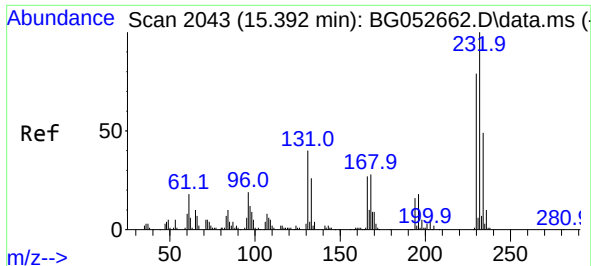


#58
Fluorene
Concen: 3.565 ng
RT: 15.818 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



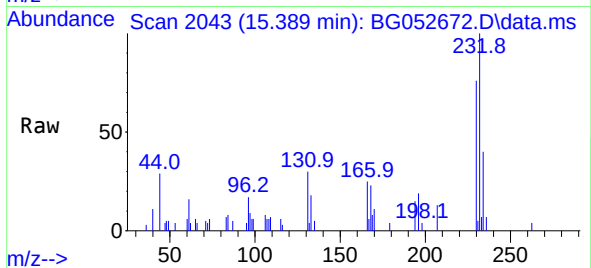
Tgt Ion:166 Resp: 26843
Ion Ratio Lower Upper
166 100
165 101.6 78.6 117.8
167 14.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.871 ng
RT: 15.389 min Scan# 2043
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

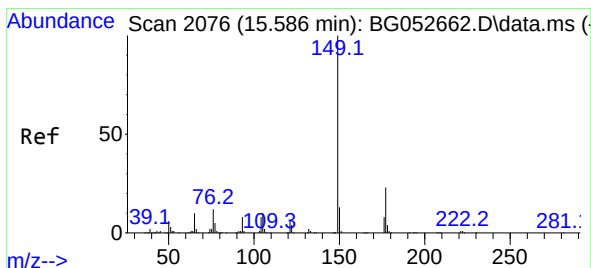
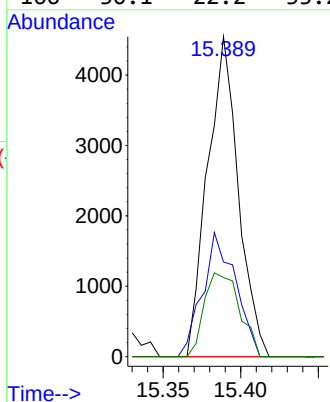
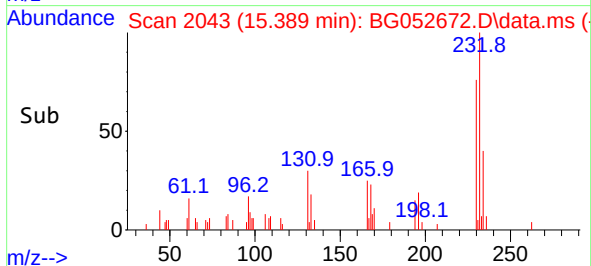
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



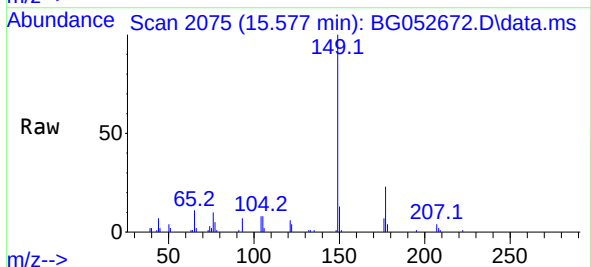
Tgt Ion:232 Resp: 6268
Ion Ratio Lower Upper
232 100
131 41.5 30.1 45.1
130 0.0 1.8 2.8
166 30.1 22.2 33.2

Manual Integrations
APPROVED

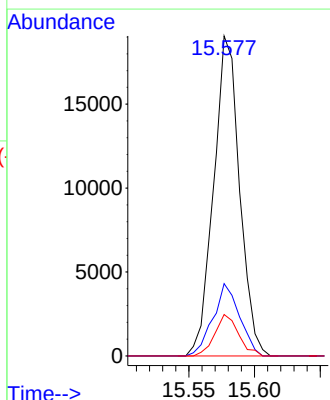
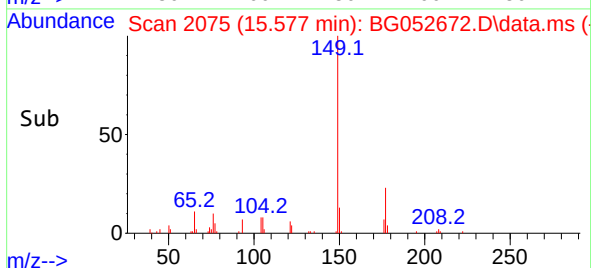
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

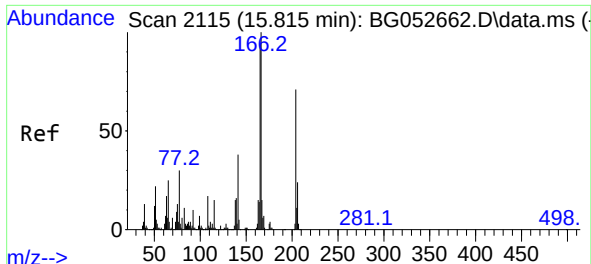


#60
Diethylphthalate
Concen: 3.316 ng
RT: 15.577 min Scan# 2075
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:149 Resp: 26158
Ion Ratio Lower Upper
149 100
177 22.6 18.2 27.2
150 13.0 9.9 14.9





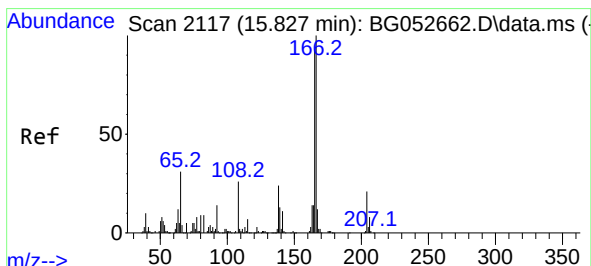
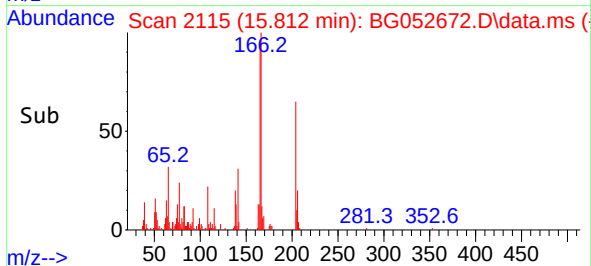
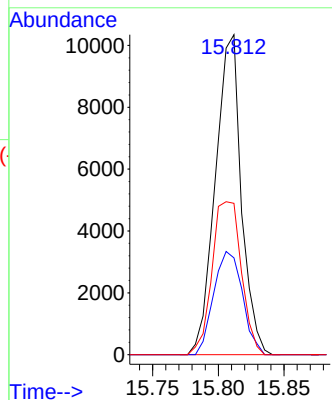
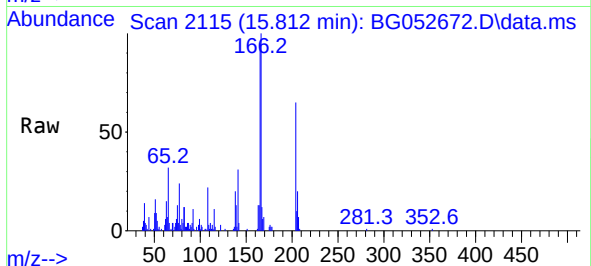
#61
4-Chlorophenyl-phenylether
Concen: 3.424 ng
RT: 15.812 min Scan# 2115
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:204 Resp: 1421
Ion Ratio Lower Upper
204 100
206 30.2 28.3 42.5
141 47.3 45.8 68.8

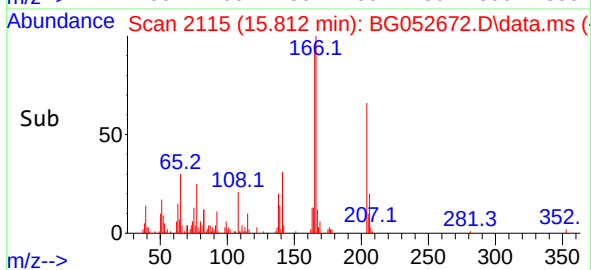
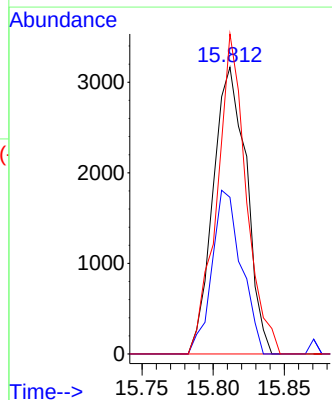
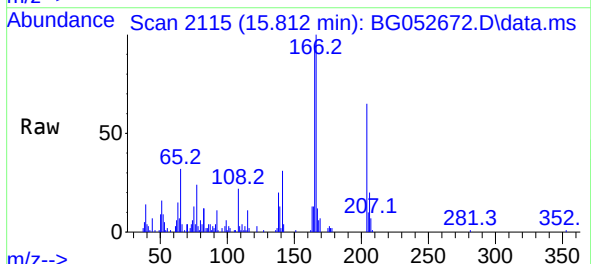
Manual Integrations
APPROVED

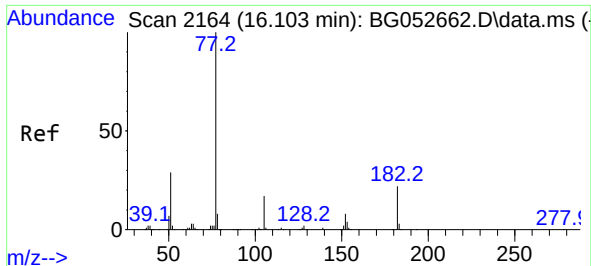
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#62
4-Nitroaniline
Concen: 3.306 ng
RT: 15.812 min Scan# 2115
Delta R.T. -0.015 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:138 Resp: 5158
Ion Ratio Lower Upper
138 100
92 54.6 33.3 73.3
108 111.6 74.2 114.2





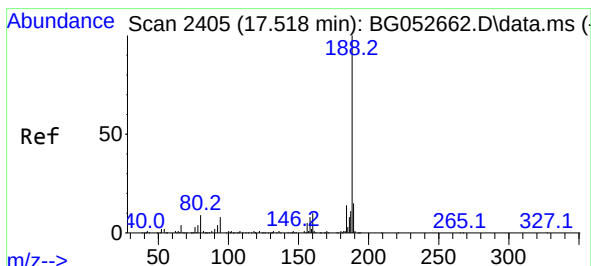
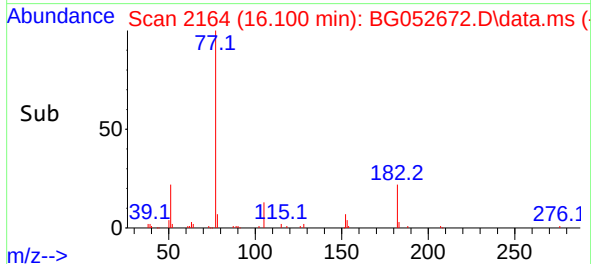
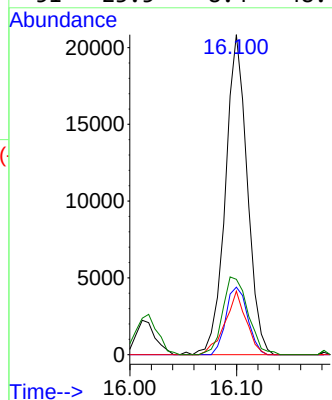
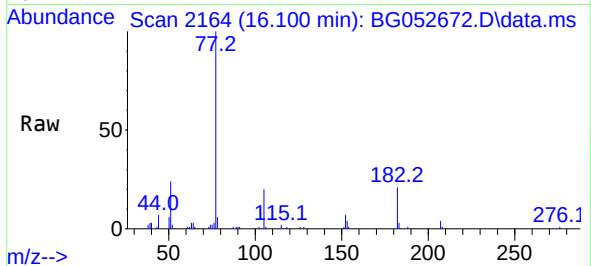
#63
Azobenzene
Concen: 3.514 ng
RT: 16.100 min Scan# 2164
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 77	Resp: 2963
Ion Ratio	Lower Upper
77 100	
182 21.1	5.6 45.6
105 19.9	0.0 38.8
51 23.5	8.4 48.4

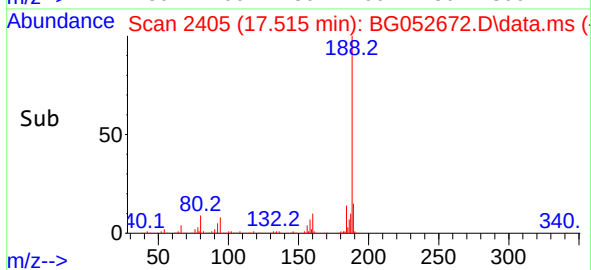
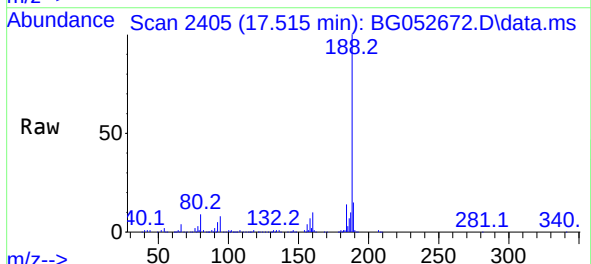
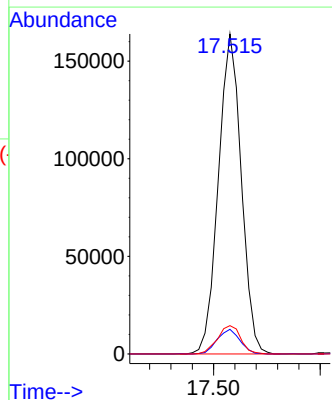
Manual Integrations
APPROVED

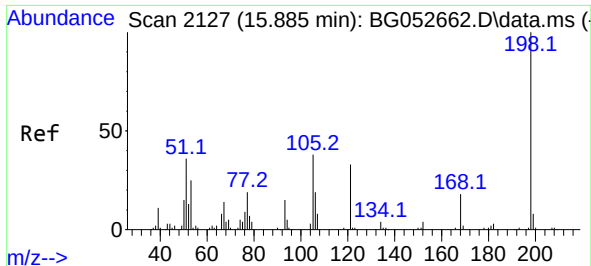
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.515 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:188	Resp: 243769
Ion Ratio	Lower Upper
188 100	
94 7.7	5.7 8.5
80 8.9	7.2 10.8





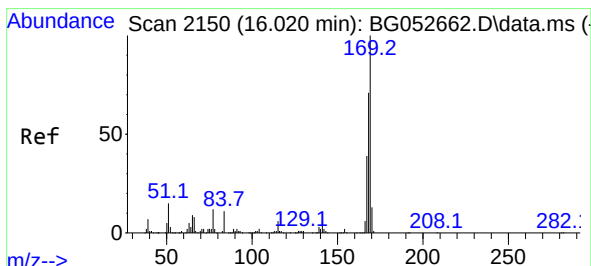
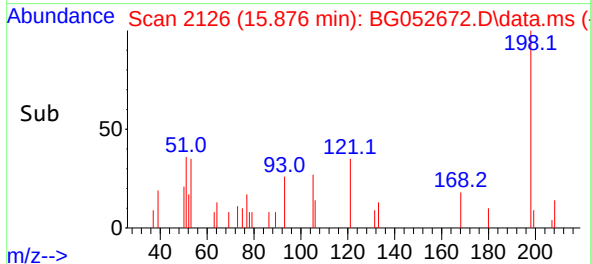
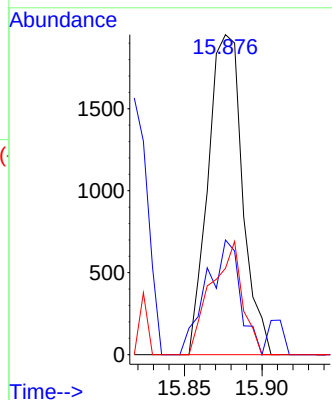
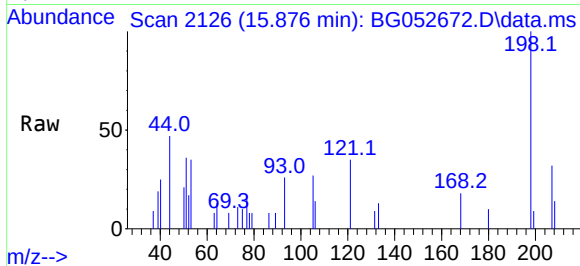
#65
4,6-Dinitro-2-methylphenol
Concen: 2.776 ng
RT: 15.876 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:198 Resp: 301
Ion Ratio Lower Upper
198 100
51 35.9 21.7 61.7
105 27.0 20.8 60.8

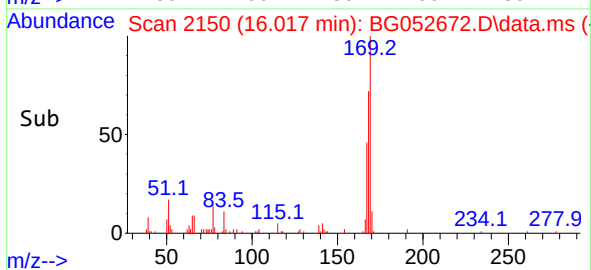
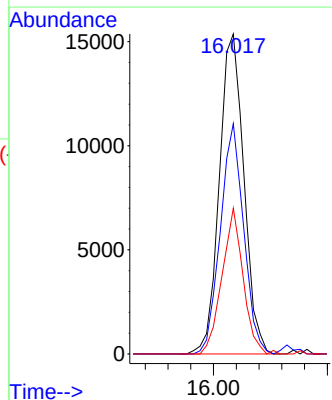
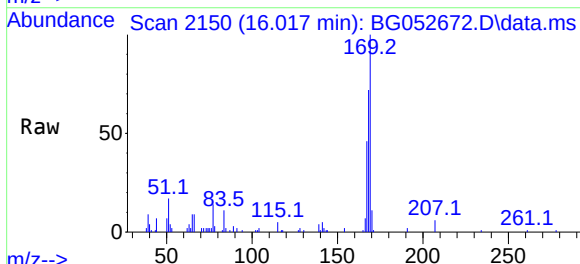
Manual Integrations
APPROVED

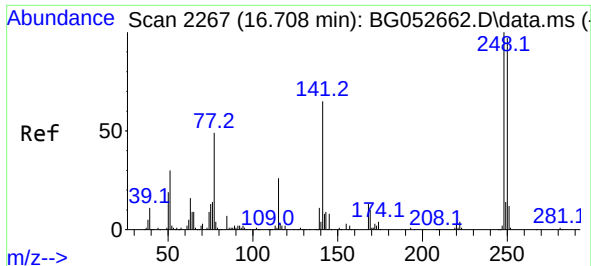
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 3.351 ng
RT: 16.017 min Scan# 2150
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:169 Resp: 23000
Ion Ratio Lower Upper
169 100
168 71.9 54.5 81.7
167 45.5 29.6 44.4#





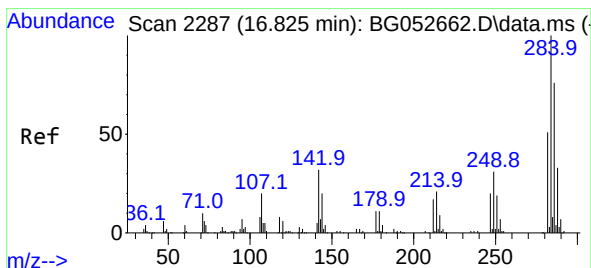
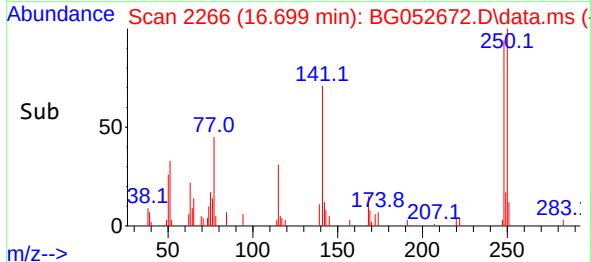
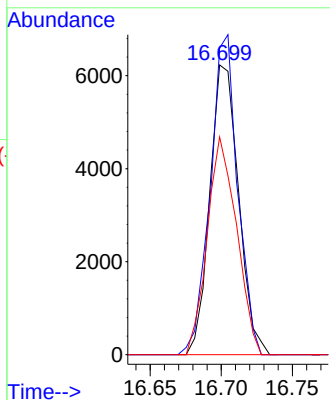
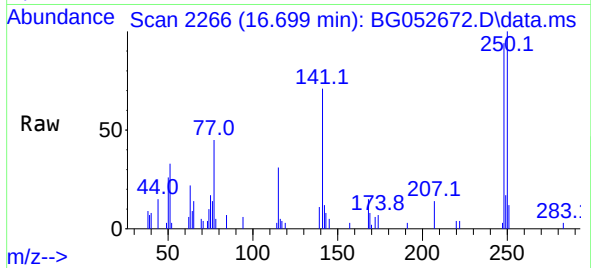
#67
4-Bromophenyl-phenylether
Concen: 2.986 ng
RT: 16.699 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:248 Resp: 877
Ion Ratio Lower Upper
248 100
250 105.9 77.9 116.9
141 75.2 49.2 73.8

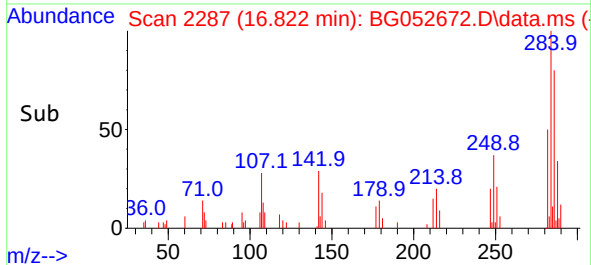
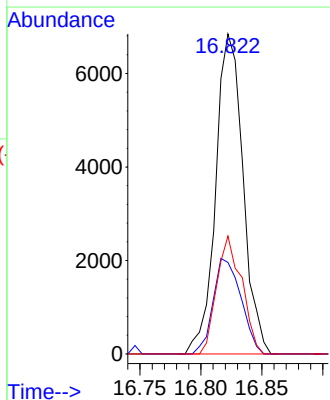
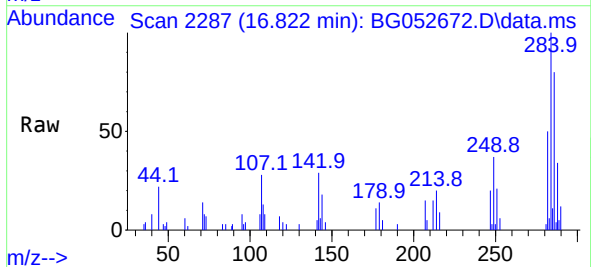
Manual Integrations
APPROVED

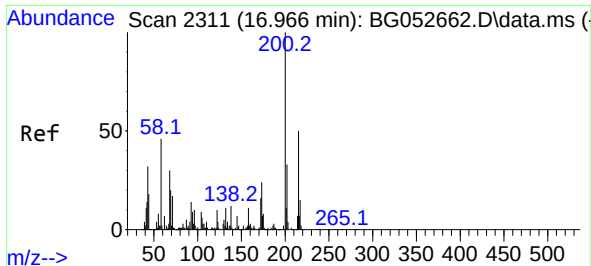
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#68
Hexachlorobenzene
Concen: 3.383 ng
RT: 16.822 min Scan# 2287
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:284 Resp: 10687
Ion Ratio Lower Upper
284 100
142 28.6 21.0 31.4
249 36.9 22.7 34.1





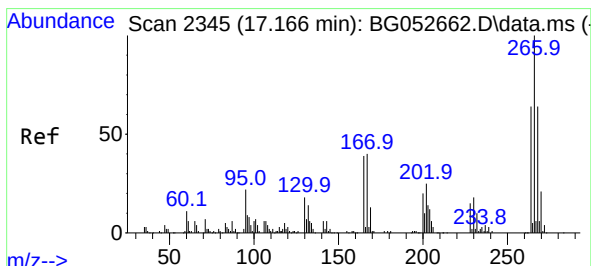
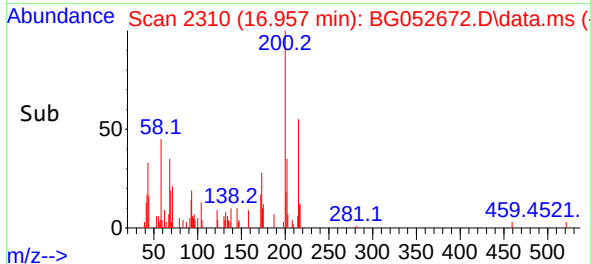
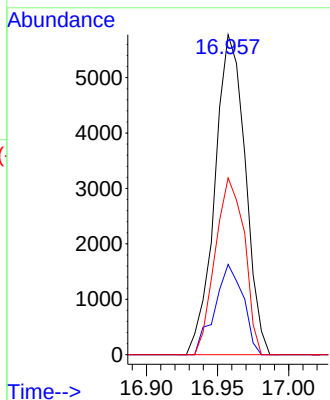
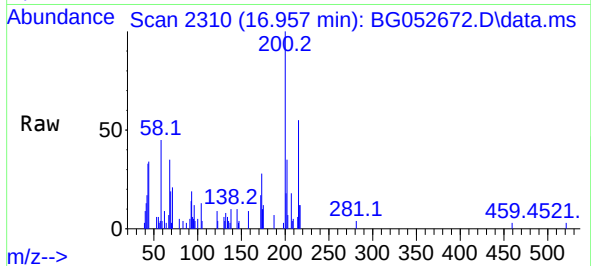
#69
Atrazine
Concen: 3.397 ng
RT: 16.957 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:200 Resp: 859
Ion Ratio Lower Upper
200 100
173 28.2 3.8 43.8
215 55.3 26.3 66.3

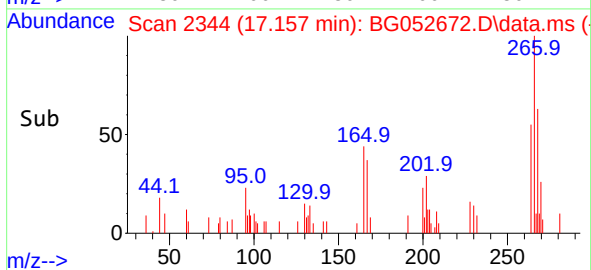
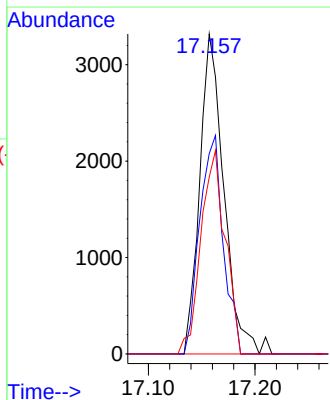
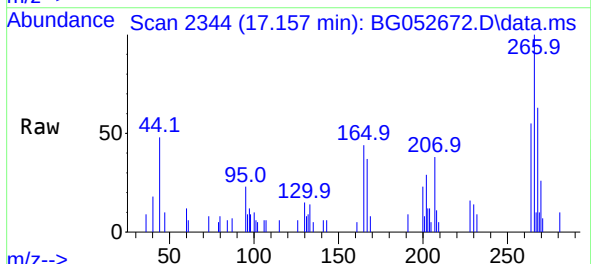
Manual Integrations
APPROVED

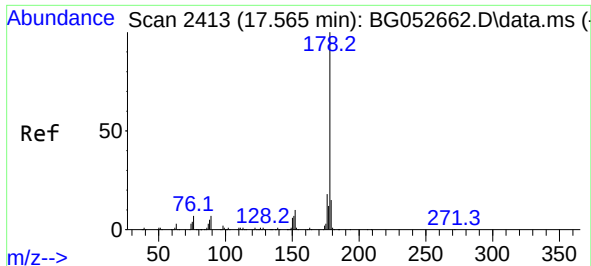
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#70
Pentachlorophenol
Concen: 2.678 ng
RT: 17.157 min Scan# 2344
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:266 Resp: 5249
Ion Ratio Lower Upper
266 100
268 62.6 45.9 68.9
264 55.3 45.3 67.9





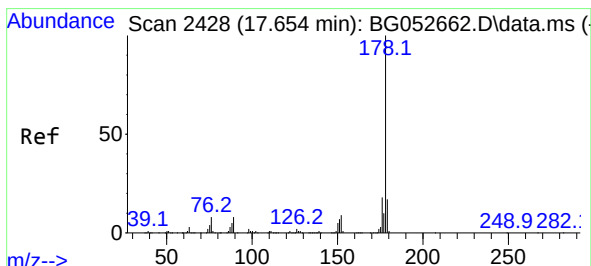
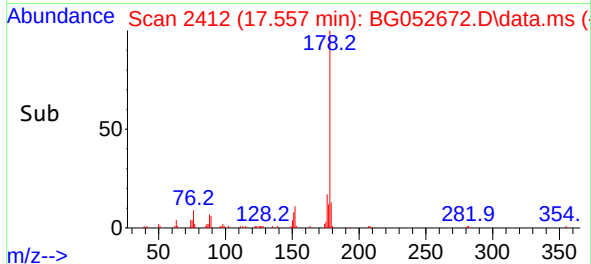
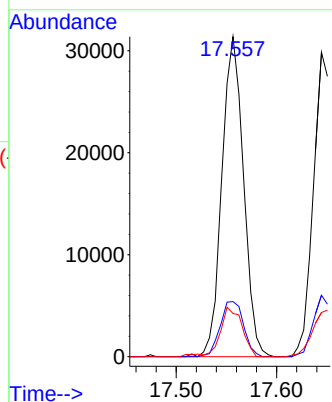
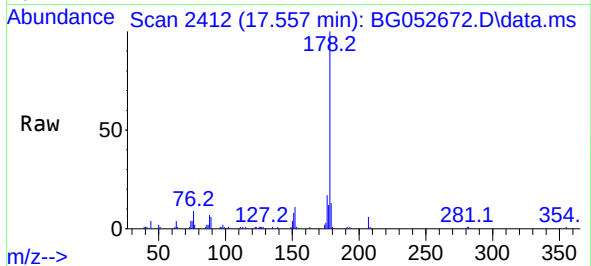
#71
Phenanthrene
Concen: 3.599 ng
RT: 17.557 min Scan# 2413
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:178 Resp: 46929
Ion Ratio Lower Upper
178 100
176 17.2 15.9 23.9
179 13.5 13.4 20.2

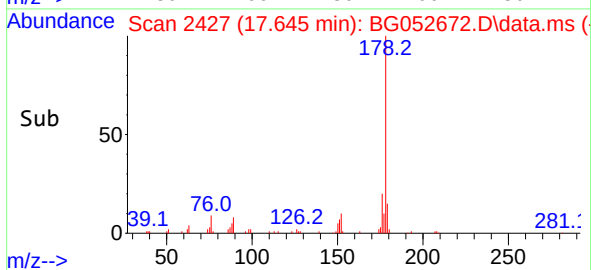
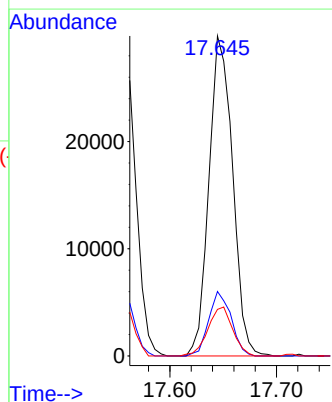
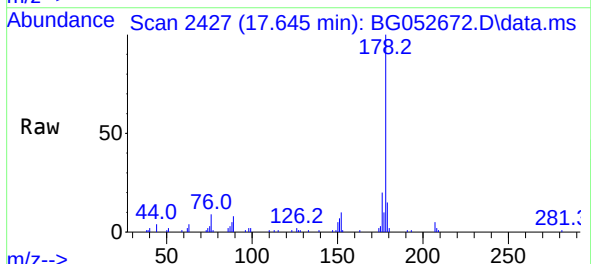
Manual Integrations
APPROVED

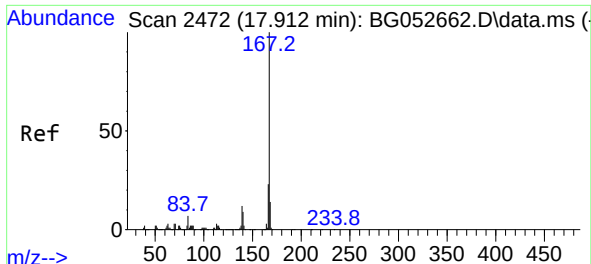
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#72
Anthracene
Concen: 3.568 ng
RT: 17.645 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Tgt Ion:178 Resp: 45996
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 14.5 13.2 19.8





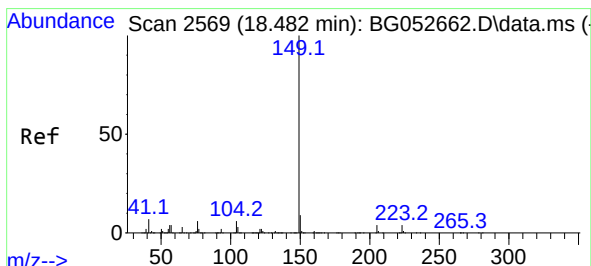
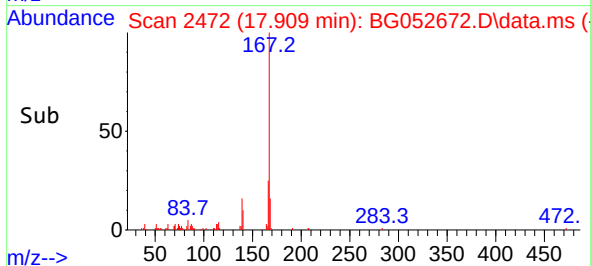
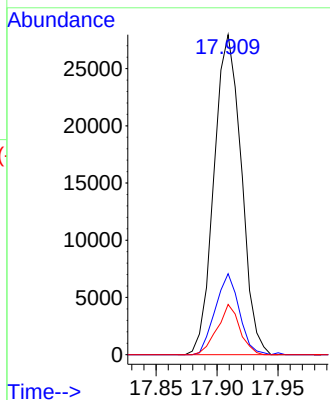
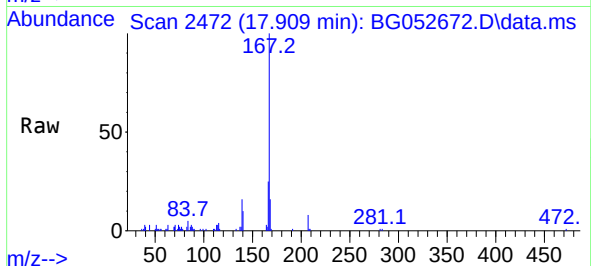
#73
 Carbazole
 Concen: 3.409 ng
 RT: 17.909 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG052672.D
 Acq: 16 Mar 2022 9:44

Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:	167	Resp:	4353
Ion Ratio	Lower	Upper	
167	100		
166	25.3	18.5	27.7
139	15.7	10.0	15.0

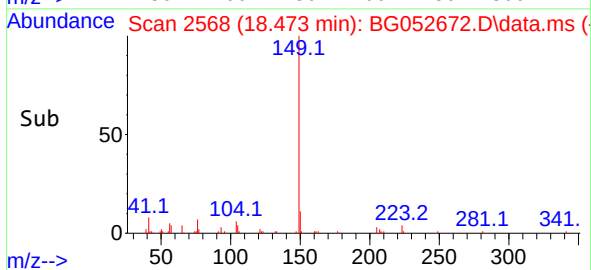
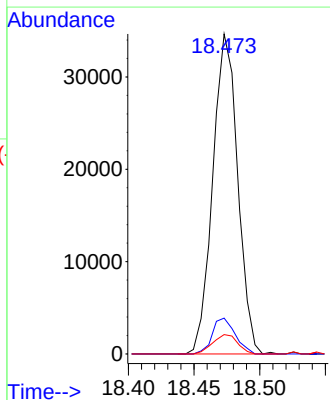
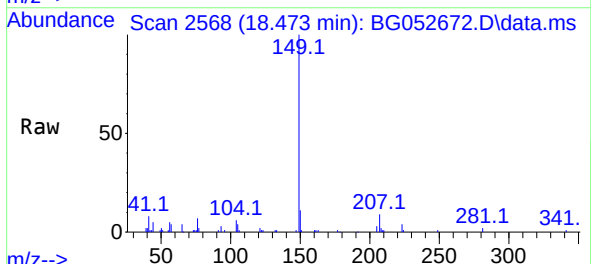
Manual Integrations
 APPROVED

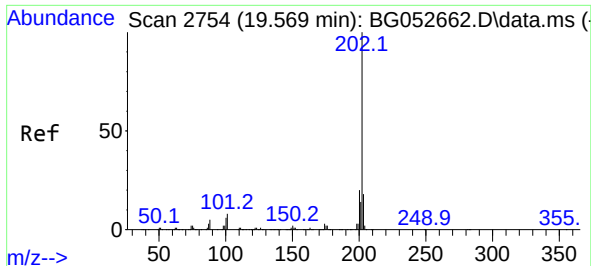
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#74
 Di-n-butylphthalate
 Concen: 3.281 ng
 RT: 18.473 min Scan# 2568
 Delta R.T. -0.009 min
 Lab File: BG052672.D
 Acq: 16 Mar 2022 9:44

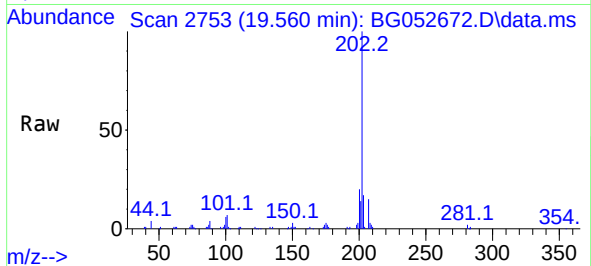
Tgt Ion:	149	Resp:	45771
Ion Ratio	Lower	Upper	
149	100		
150	11.2	7.0	10.6
104	6.0	4.6	7.0





#75
Fluoranthene
Concen: 3.711 ng
RT: 19.560 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

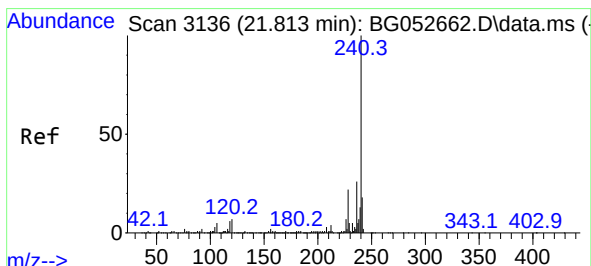
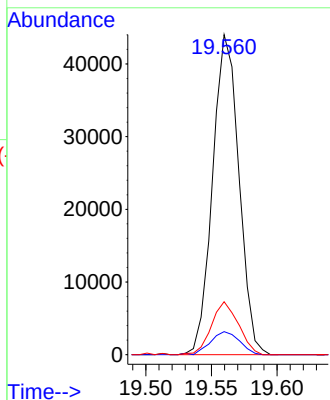
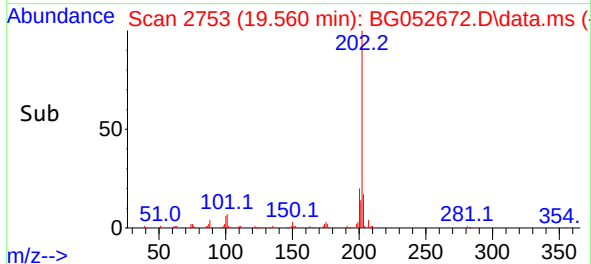
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



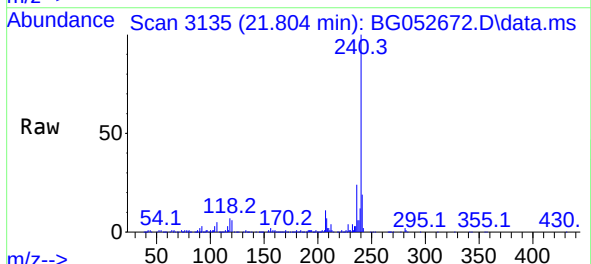
Tgt Ion:202 Resp: 6143
Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.3
203 16.5 0.0 37.7

Manual Integrations
APPROVED

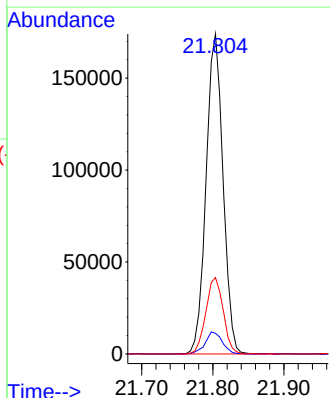
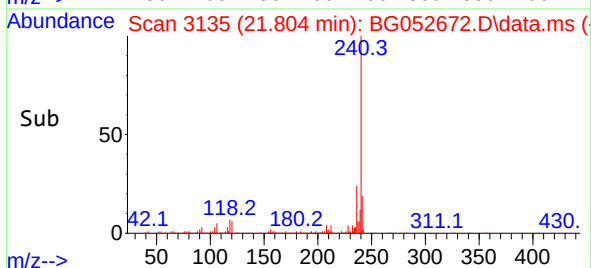
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

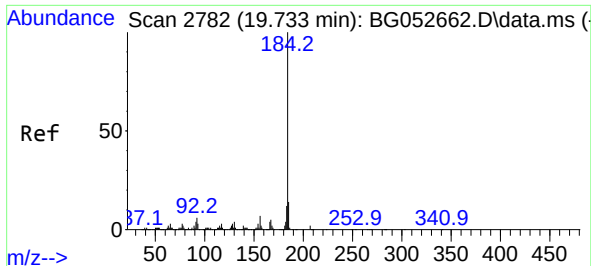


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.804 min Scan# 3135
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:240 Resp: 288824
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 23.9 19.8 29.6





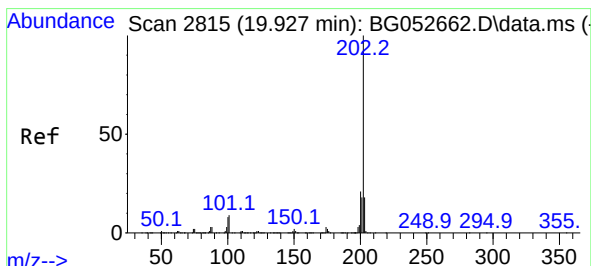
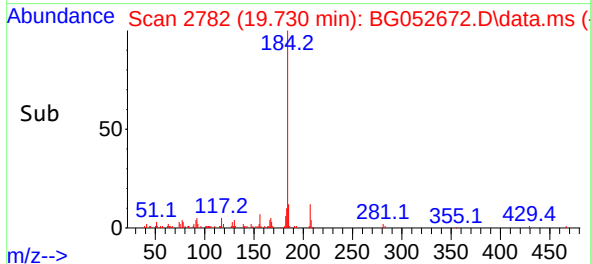
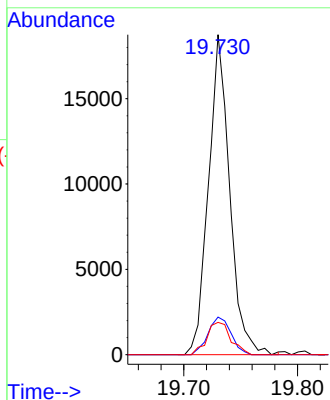
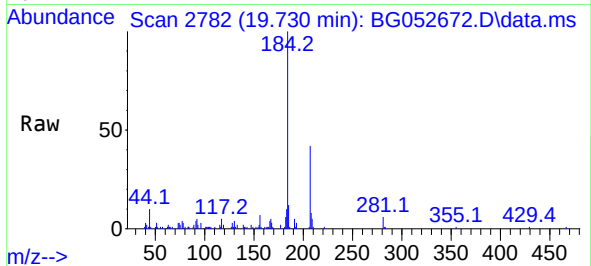
#77
Benzidine
Concen: 3.265 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:184 Resp: 2432
Ion Ratio Lower Upper
184 100
185 11.7 11.5 17.3
183 10.1 9.4 14.2

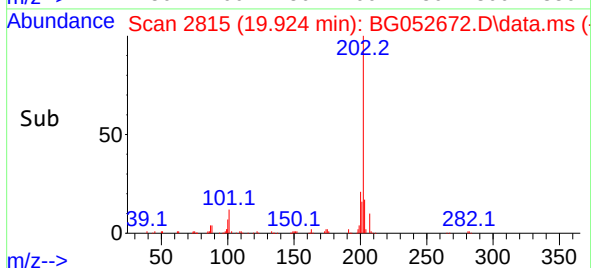
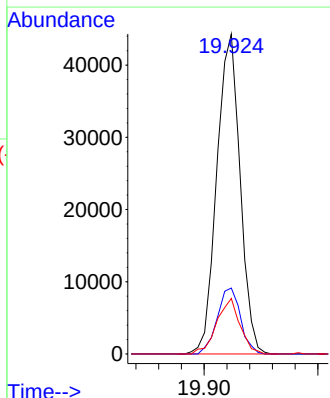
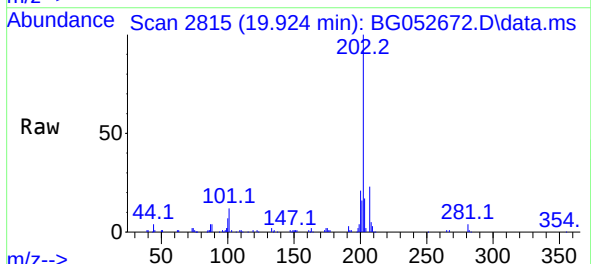
Manual Integrations
APPROVED

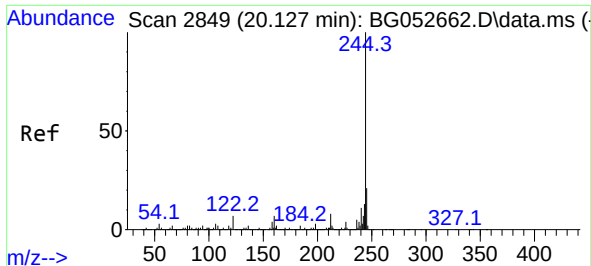
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#78
Pyrene
Concen: 3.147 ng
RT: 19.924 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

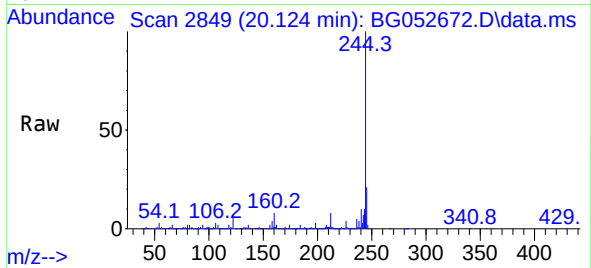
Tgt Ion:202 Resp: 63044
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 17.3 15.0 22.6





#79
 Terphenyl-d14
 Concen: 69.615 ng
 RT: 20.124 min Scan# 2849
 Delta R.T. -0.003 min
 Lab File: BG052672.D
 Acq: 16 Mar 2022 9:44

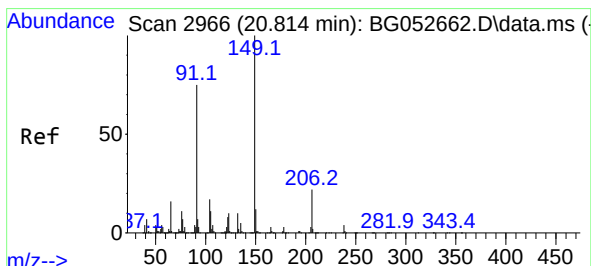
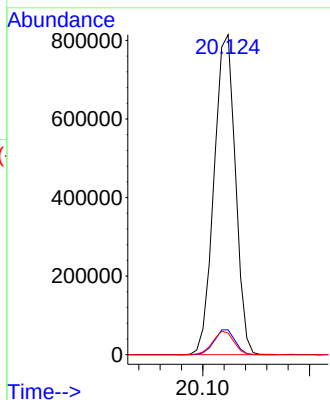
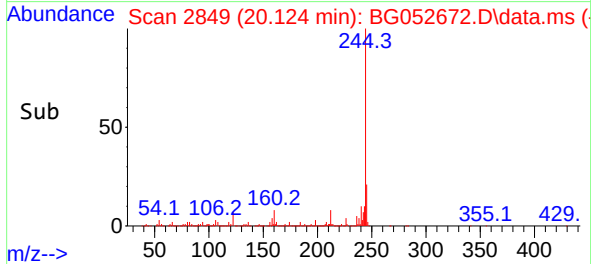
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:244 Resp: 1130310
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.7 5.8 8.6

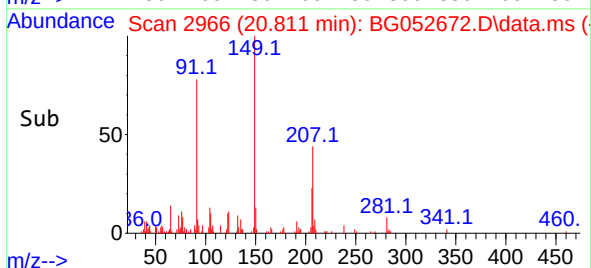
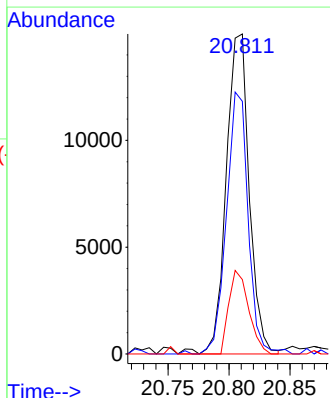
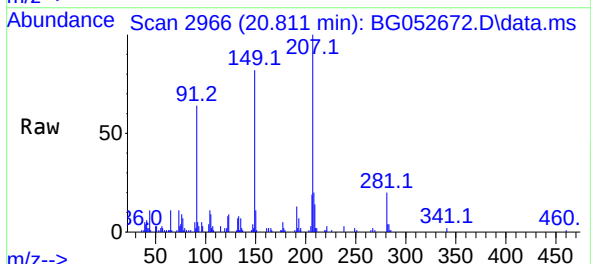
Manual Integrations
 APPROVED

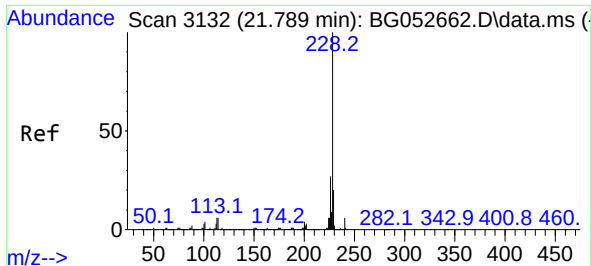
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#80
 Butylbenzylphthalate
 Concen: 2.773 ng
 RT: 20.811 min Scan# 2966
 Delta R.T. -0.003 min
 Lab File: BG052672.D
 Acq: 16 Mar 2022 9:44

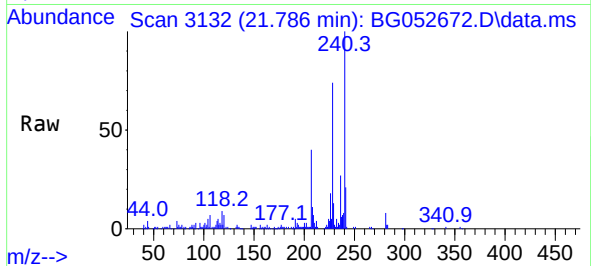
Tgt Ion:149 Resp: 19710
 Ion Ratio Lower Upper
 149 100
 91 78.9 60.2 90.4
 206 23.2 19.4 29.2





#81
Benzo(a)anthracene
Concen: 3.573 ng
RT: 21.786 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

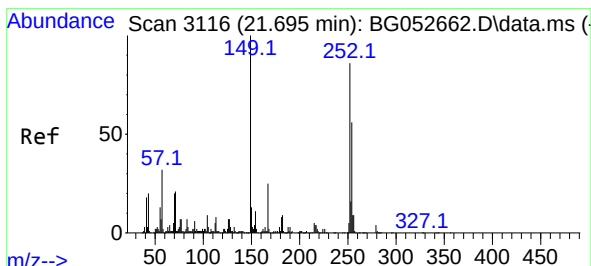
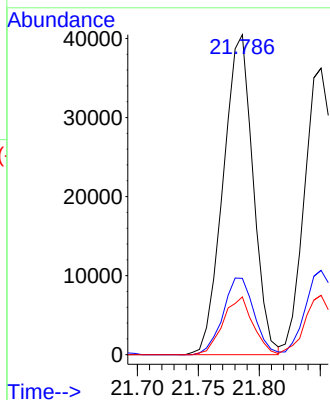
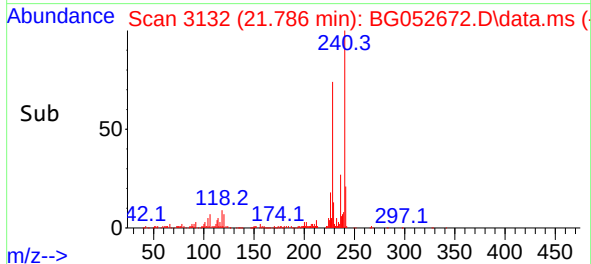
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



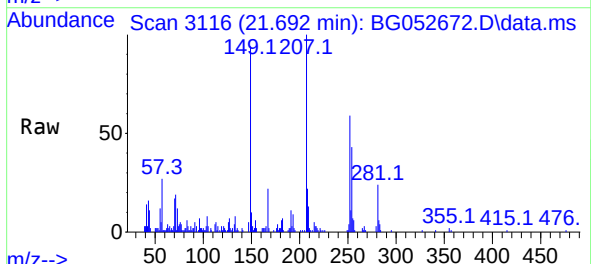
Tgt Ion:228 Resp: 69100
Ion Ratio Lower Upper
228 100
226 23.8 21.4 32.0
229 18.0 16.7 25.1

Manual Integrations
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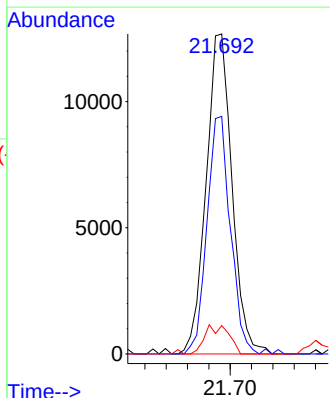
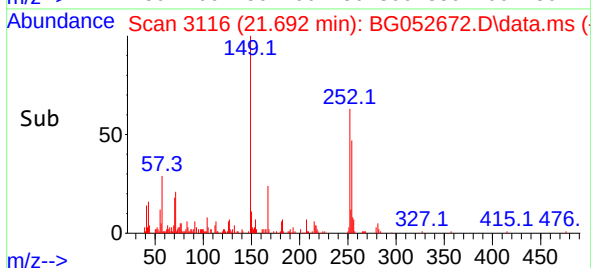
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

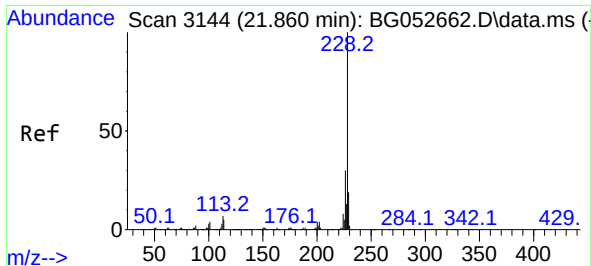


#82
3,3'-Dichlorobenzidine
Concen: 3.131 ng
RT: 21.692 min Scan# 3116
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



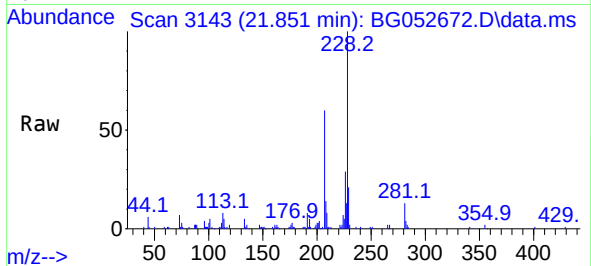
Tgt Ion:252 Resp: 21383
Ion Ratio Lower Upper
252 100
254 74.3 51.2 76.8
126 8.8 5.8 8.8#





#83
Chrysene
Concen: 3.425 ng
RT: 21.851 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

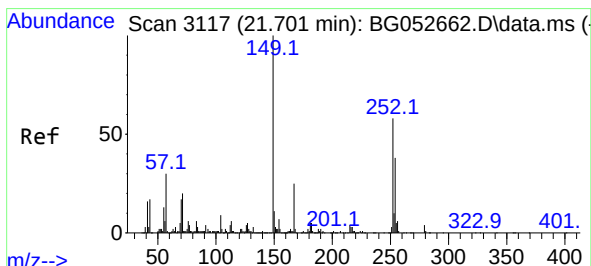
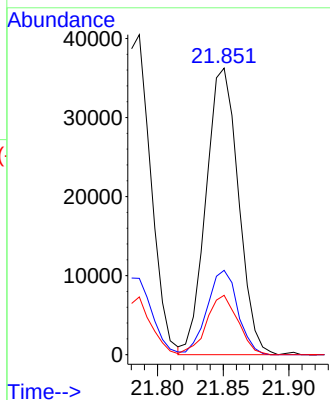
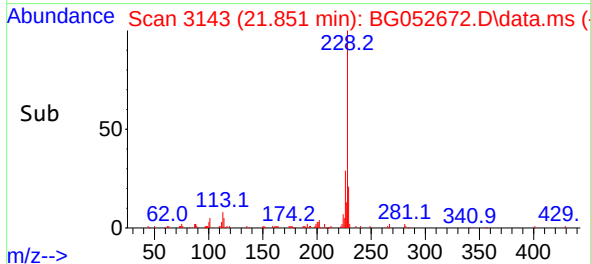
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:228 Resp: 62264
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 20.7 16.3 24.5

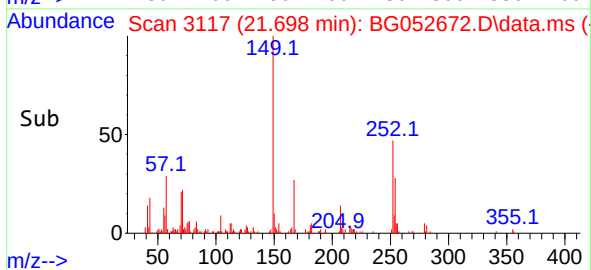
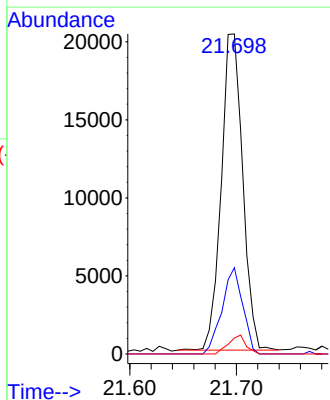
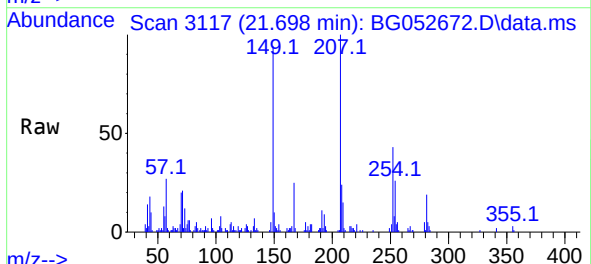
Manual Integrations
APPROVED

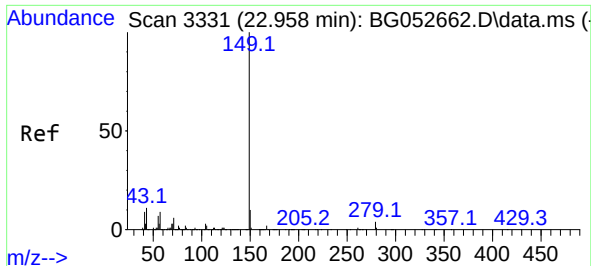
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.927 ng
RT: 21.698 min Scan# 3117
Delta R.T. -0.003 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

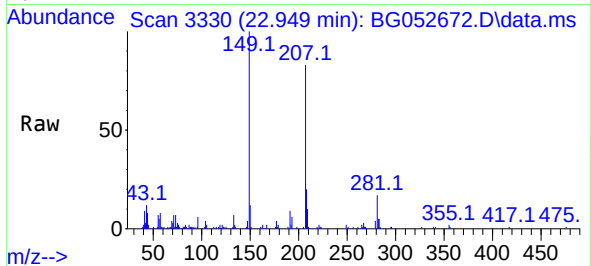
Tgt Ion:149 Resp: 28294
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.2
279 5.0 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 2.834 ng
RT: 22.949 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

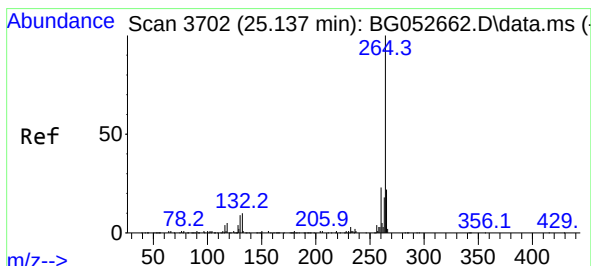
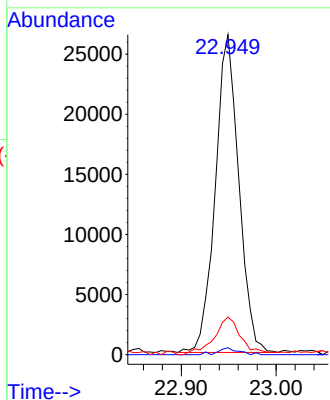
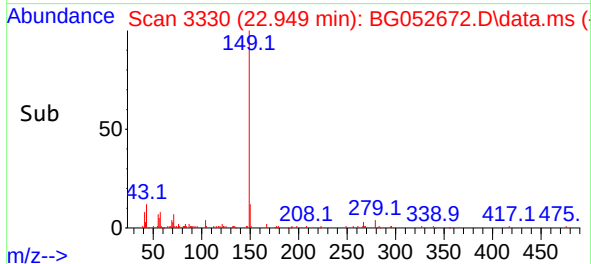
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



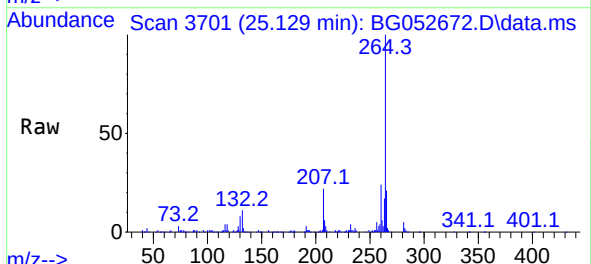
Tgt Ion:149 Resp: 45604
Ion Ratio Lower Upper
149 100
167 1.9 1.2 1.8
43 13.7 7.6 11.4

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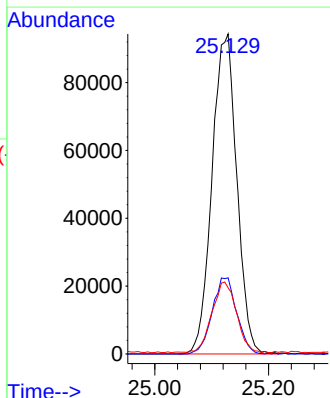
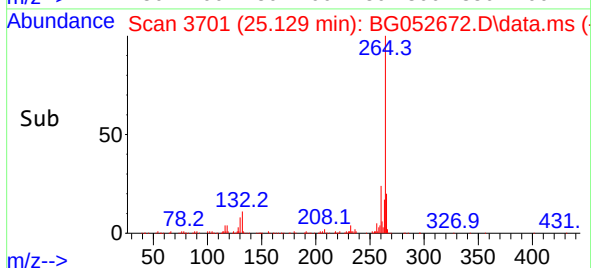
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

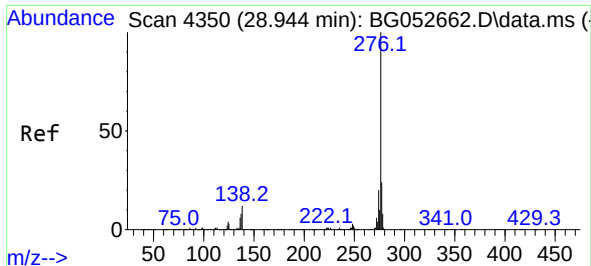


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.129 min Scan# 3701
Delta R.T. -0.009 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



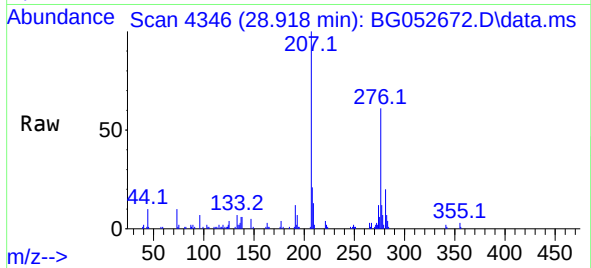
Tgt Ion:264 Resp: 285228
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.2
265 20.7 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.397 ng
RT: 28.918 min Scan# 41
Delta R.T. -0.026 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

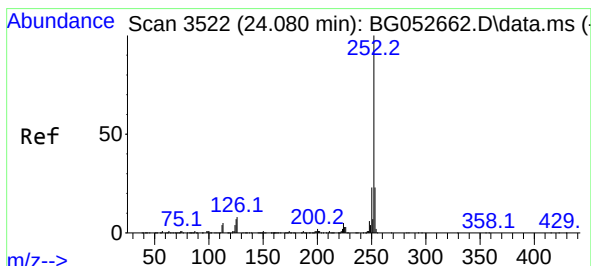
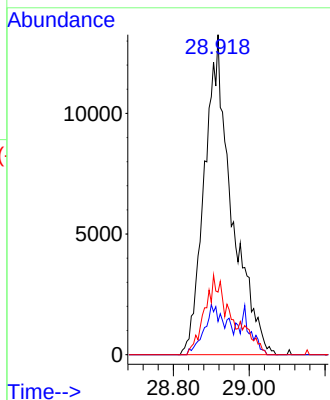
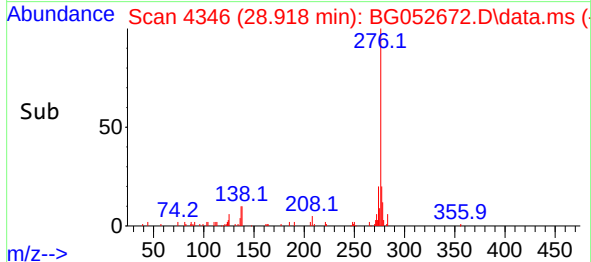
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



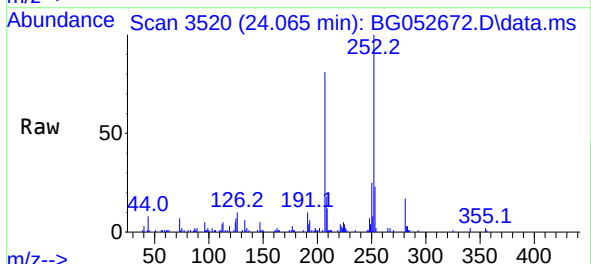
Tgt Ion: 276 Resp: 66328
Ion Ratio Lower Upper
276 100
138 9.8 8.7 13.1
277 20.4 20.2 30.4

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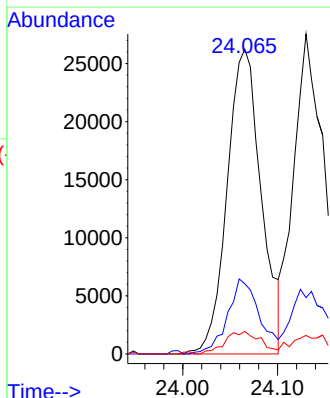
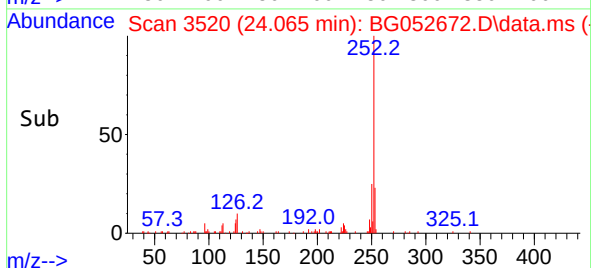
Reviewed By : Christian Giraldo 03/17/2022
Supervised By : Jagrut Upadhyay 03/17/2022

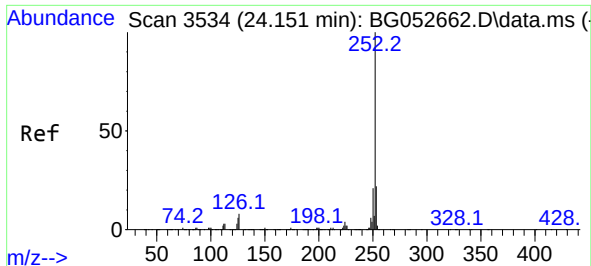


#88
Benzo(b)fluoranthene
Concen: 3.707 ng
RT: 24.065 min Scan# 3520
Delta R.T. -0.015 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion: 252 Resp: 65643
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 7.4 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 3.565 ng

RT: 24.130 min Scan# 3

Delta R.T. -0.021 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

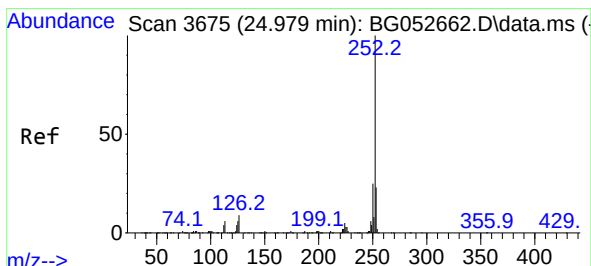
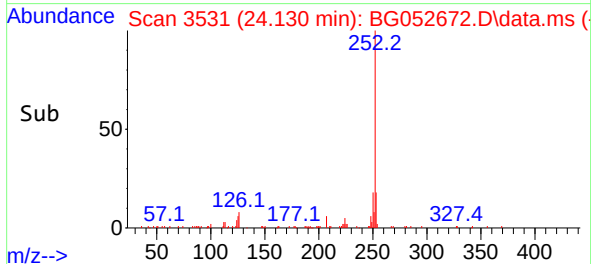
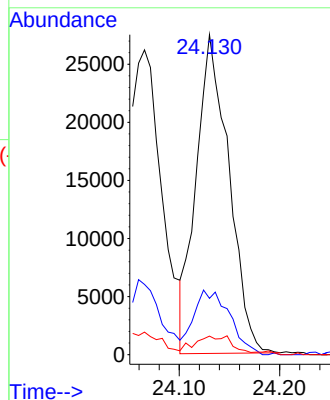
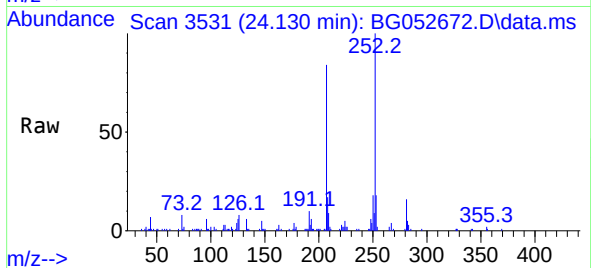
Tgt Ion:	252	Resp:	6212
Ion Ratio	Lower	Upper	
252	100		
253	17.6	17.4	26.0
125	5.8	5.0	7.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#90

Benzo(a)pyrene

Concen: 4.173 ng

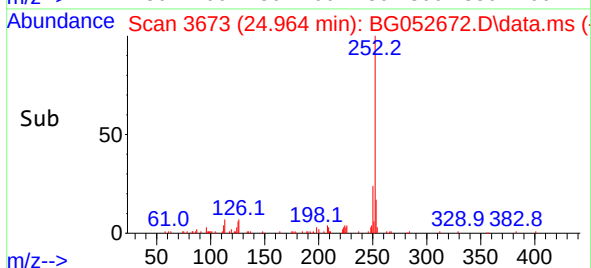
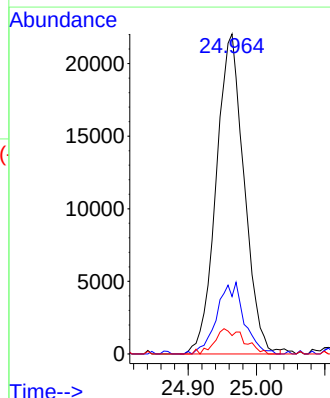
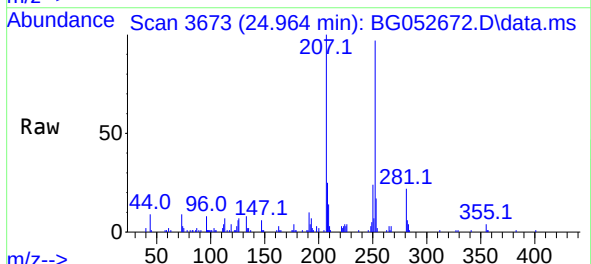
RT: 24.964 min Scan# 3673

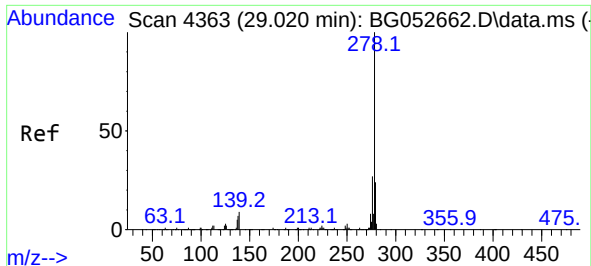
Delta R.T. -0.015 min

Lab File: BG052672.D

Acq: 16 Mar 2022 9:44

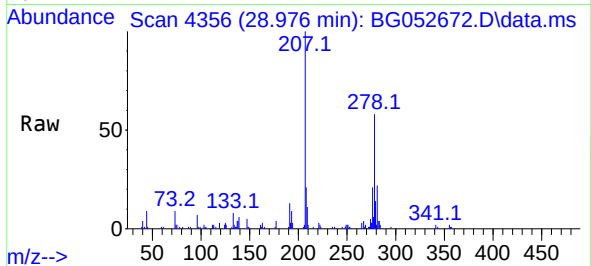
Tgt Ion:	252	Resp:	62551
Ion Ratio	Lower	Upper	
252	100		
253	17.9	18.4	27.6
125	5.7	5.6	8.4





#91
Dibenzo(a,h)anthracene
Concen: 3.706 ng
RT: 28.976 min Scan# 41
Delta R.T. -0.044 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44

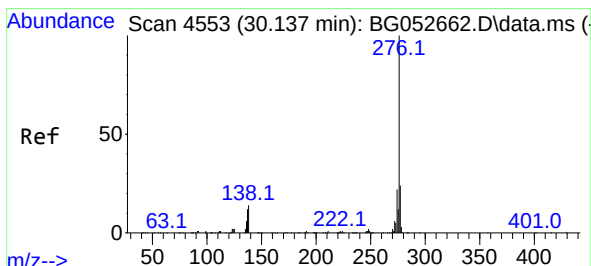
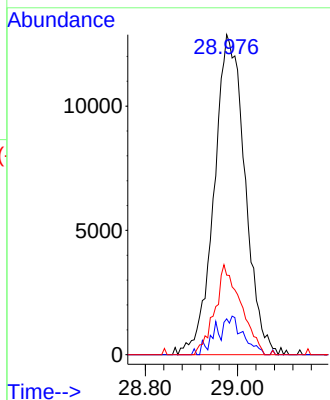
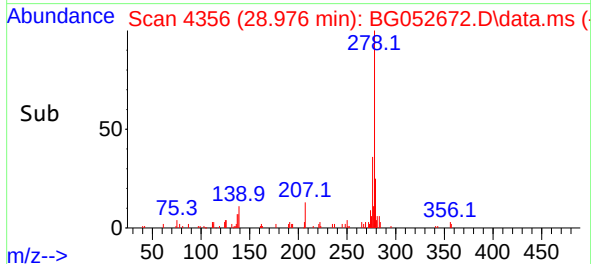
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



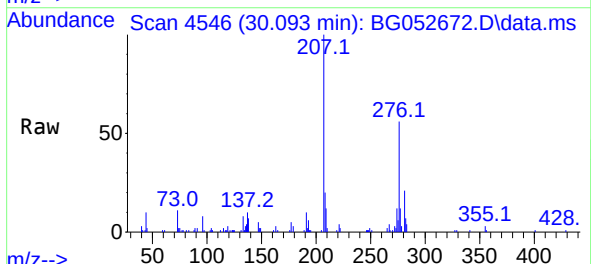
Tgt Ion:278 Resp: 5961
Ion Ratio Lower Upper
278 100
139 11.2 7.8 11.6
279 24.8 18.5 27.7

Manual Integrations
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Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 3.559 ng
RT: 30.093 min Scan# 4546
Delta R.T. -0.044 min
Lab File: BG052672.D
Acq: 16 Mar 2022 9:44



Tgt Ion:276 Resp: 56655
Ion Ratio Lower Upper
276 100
277 20.5 18.2 27.2
138 12.5 9.1 13.7

