

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052673.D
 Acq On : 16 Mar 2022 10:23
 Operator : CG/JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 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 12:01:42 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	8.151	152	34930	20.000	ng	# 0.00
21) Naphthalene-d8	10.965	136	146635	20.000	ng	0.00
39) Acenaphthene-d10	14.772	164	104092	20.000	ng	0.00
64) Phenanthrene-d10	17.515	188	248232	20.000	ng	0.00
76) Chrysene-d12	21.803	240	274695	20.000	ng	0.00
86) Perylene-d12	25.122	264	279256	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	306184	152.655	ng	0.00
7) Phenol-d6	7.299	99	450527	148.992	ng	0.00
23) Nitrobenzene-d5	9.314	82	246570	84.396	ng	0.00
42) 2,4,6-Tribromophenol	16.258	330	187989	134.401	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	573245	81.221	ng	0.00
79) Terphenyl-d14	20.123	244	1181053	76.482	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.604	88	7406	7.381	ng	# 83
3) Pyridine	4.010	79	20019	7.784	ng	# 88
4) n-Nitrosodimethylamine	3.910	42	8611m	7.547	ng	
6) Aniline	7.470	93	31429	8.864	ng	99
8) 2-Chlorophenol	7.717	128	16357	7.761	ng	85
9) Benzaldehyde	7.288	77	20306	10.933	ng	83
10) Phenol	7.323	94	22608	7.574	ng	85
11) bis(2-Chloroethyl)ether	7.564	93	17941	7.959	ng	95
12) 1,3-Dichlorobenzene	8.045	146	19695	7.762	ng	95
13) 1,4-Dichlorobenzene	8.192	146	21139	8.291	ng	93
14) 1,2-Dichlorobenzene	8.510	146	19629	8.141	ng	93
15) Benzyl Alcohol	8.380	79	19677	7.728	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.686	45	30948	7.884	ng	93
17) 2-Methylphenol	8.580	107	15567	7.823	ng	91
18) Hexachloroethane	9.250	117	7563	8.085	ng	85
19) n-Nitroso-di-n-propyla...	8.956	70	16181	7.555	ng	# 95
20) 3+4-Methylphenols	8.903	107	19913	7.151	ng	94
22) Acetophenone	8.974	105	29972	7.898	ng	# 94
24) Nitrobenzene	9.350	77	24992	8.549	ng	# 87
25) Isophorone	9.884	82	43000	7.601	ng	99
26) 2-Nitrophenol	10.072	139	7131	7.025	ng	87
27) 2,4-Dimethylphenol	10.119	122	18297	8.810	ng	86
28) bis(2-Chloroethoxy)met...	10.360	93	24437	7.306	ng	97
29) 2,4-Dichlorophenol	10.601	162	12625	6.960	ng	96
30) 1,2,4-Trichlorobenzene	10.830	180	21452	7.781	ng	91
31) Naphthalene	11.018	128	59505	7.847	ng	96
32) Benzoic acid	10.178	122	6809	4.878	ng	90
33) 4-Chloroaniline	11.118	127	24476	7.616	ng	94
34) Hexachlorobutadiene	11.312	225	14819	7.497	ng	# 79
35) Caprolactam	11.858	113	4260	6.676	ng	# 73
36) 4-Chloro-3-methylphenol	12.216	107	17632	6.497	ng	98
37) 2-Methylnaphthalene	12.616	142	42357	7.628	ng	99
38) 1-Methylnaphthalene	12.827	142	41605	7.677	ng	98
40) 1,2,4,5-Tetrachloroben...	12.980	216	26158	8.044	ng	99
41) Hexachlorocyclopentadiene	12.962	237	15610	8.098	ng	91
43) 2,4,6-Trichlorophenol	13.209	196	14894	7.152	ng	85

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 Sample : N1645-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 16 12:01:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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 QLast Update : Wed Mar 16 11:53:01 2022
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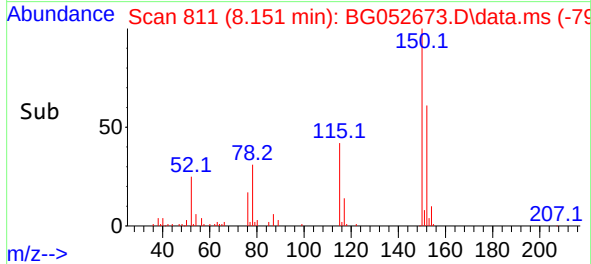
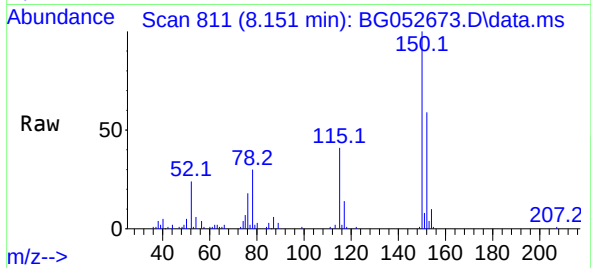
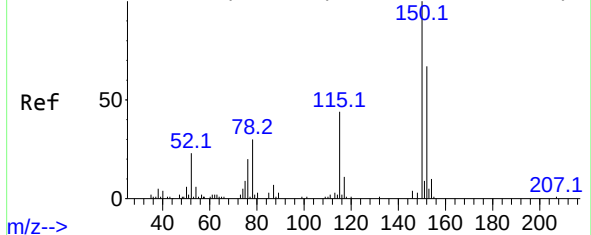
Manual Integrations
 APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.274	196	15586	7.373	ng	# 90
46) 1,1'-Biphenyl	13.609	154	58482	8.034	ng	99
47) 2-Chloronaphthalene	13.656	162	44542	7.770	ng	98
48) 2-Nitroaniline	13.838	65	10431	6.653	ng	87
49) Acenaphthylene	14.496	152	74700	8.174	ng	97
50) Dimethylphthalate	14.219	163	55719	7.202	ng	99
51) 2,6-Dinitrotoluene	14.331	165	9175	7.024	ng	91
52) Acenaphthene	14.836	154	44764	7.646	ng	93
53) 3-Nitroaniline	14.654	138	10096	6.606	ng	96
54) 2,4-Dinitrophenol	14.860	184	4816	6.764	ng	# 58
55) Dibenzofuran	15.171	168	74260	7.767	ng	98
56) 4-Nitrophenol	14.942	139	8590	6.890	ng	95
57) 2,4-Dinitrotoluene	15.112	165	12234	6.751	ng	# 87
58) Fluorene	15.817	166	59495	7.634	ng	90
59) 2,3,4,6-Tetrachlorophenol	15.389	232	13818	6.116	ng	97
60) Diethylphthalate	15.576	149	57668	7.062	ng	98
61) 4-Chlorophenyl-phenyle...	15.806	204	31112	7.239	ng	# 94
62) 4-Nitroaniline	15.811	138	11415	7.068	ng	91
63) Azobenzene	16.099	77	63160	7.236	ng	92
65) 4,6-Dinitro-2-methylph...	15.876	198	6644	6.004	ng	91
66) n-Nitrosodiphenylamine	16.017	169	51678	7.395	ng	99
67) 4-Bromophenyl-phenylether	16.698	248	20197	6.749	ng	# 90
68) Hexachlorobenzene	16.822	284	23089	7.178	ng	92
69) Atrazine	16.963	200	19772	7.673	ng	97
70) Pentachlorophenol	17.157	266	13091	6.560	ng	93
71) Phenanthrene	17.556	178	102672m	7.731	ng	
72) Anthracene	17.650	178	102936	7.841	ng	97
73) Carbazole	17.909	167	96709	7.438	ng	98
74) Di-n-butylphthalate	18.473	149	103103	7.259	ng	98
75) Fluoranthene	19.559	202	133803	7.938	ng	96
77) Benzidine	19.730	184	60051	8.476	ng	98
78) Pyrene	19.924	202	137020	7.191	ng	95
80) Butylbenzylphthalate	20.811	149	42951	6.354	ng	97
81) Benzo(a)anthracene	21.780	228	137524	7.477	ng	98
82) 3,3'-Dichlorobenzidine	21.692	252	46312	7.130	ng	99
83) Chrysene	21.850	228	127993	7.402	ng	97
84) Bis(2-ethylhexyl)phtha...	21.698	149	63337	6.890	ng	99
85) Di-n-octyl phthalate	22.949	149	100248	6.551	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.911	276	138507	7.246	ng	# 91
88) Benzo(b)fluoranthene	24.065	252	138314	7.977	ng	98
89) Benzo(k)fluoranthene	24.135	252	129874	7.613	ng	97
90) Benzo(a)pyrene	24.964	252	126377	8.610	ng	99
91) Dibenzo(a,h)anthracene	28.994	278	120768	7.668	ng	97
92) Benzo(g,h,i)perylene	30.080	276	119032	7.638	ng	# 96

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

Abundance Scan 812 (8.160 min): BG052662.D\data.ms (-80



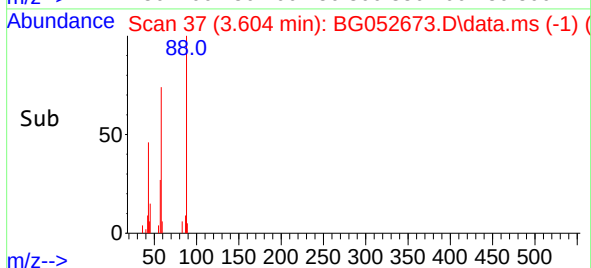
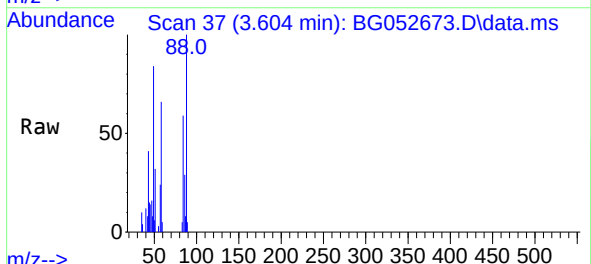
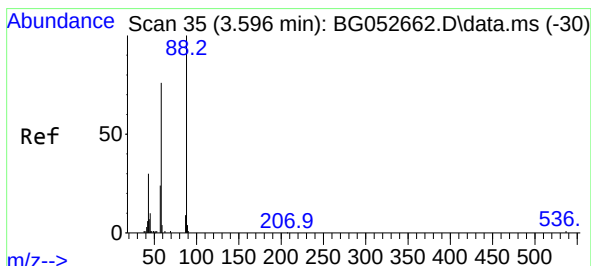
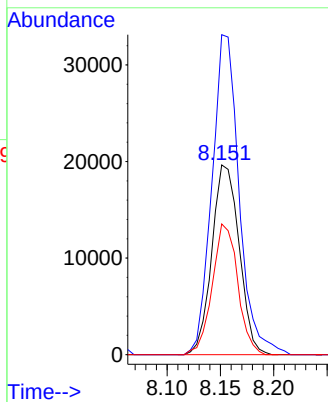
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:152 Resp: 34930
Ion Ratio Lower Upper
152 100
150 168.6 114.6 172.0
115 68.9 45.9 68.9

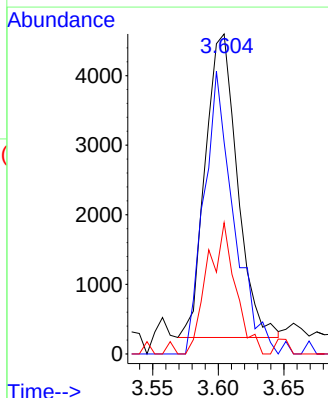
Manual Integrations
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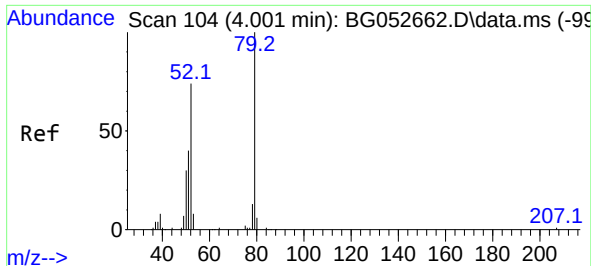
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#2
1,4-Dioxane
Concen: 7.381 ng
RT: 3.604 min Scan# 37
Delta R.T. 0.008 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

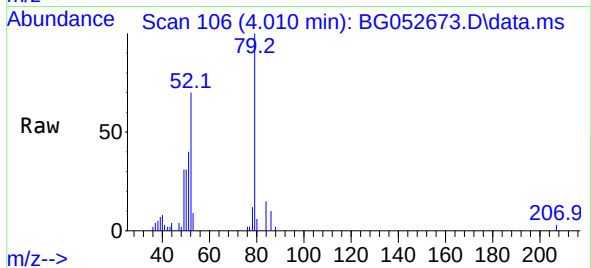
Tgt Ion: 88 Resp: 7406
Ion Ratio Lower Upper
88 100
58 87.6 58.2 87.2#
43 37.8 23.4 35.0#





#3
Pyridine
Concen: 7.784 ng
RT: 4.010 min Scan# 104
Delta R.T. 0.008 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

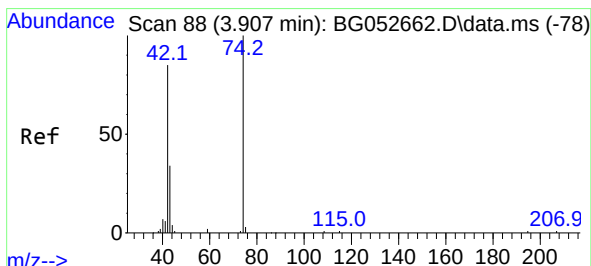
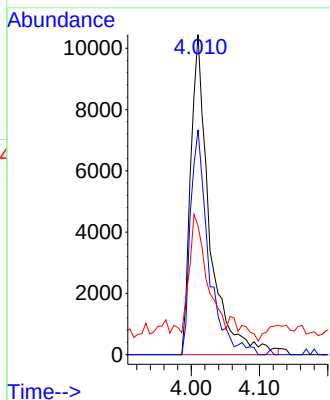
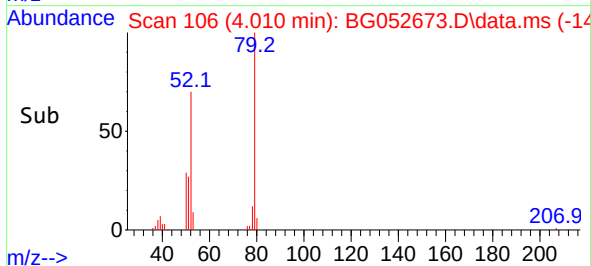
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



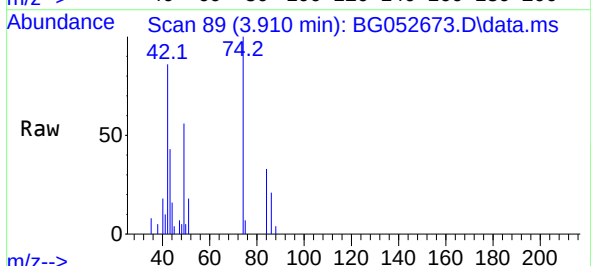
Tgt Ion: 79 Resp: 20019
Ion Ratio Lower Upper
79 100
52 70.3 50.9 76.3
51 40.2 24.4 36.6

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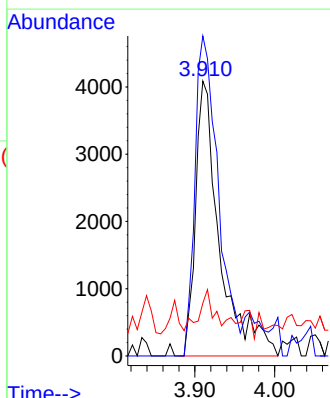
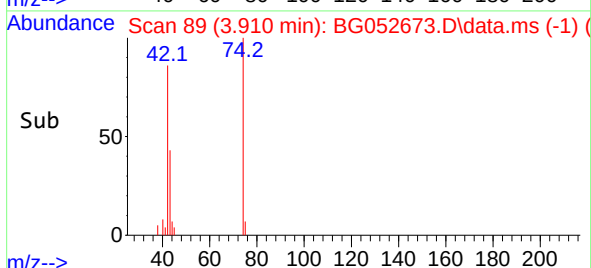
Reviewed By :Christian Giraldo 03/17/2022
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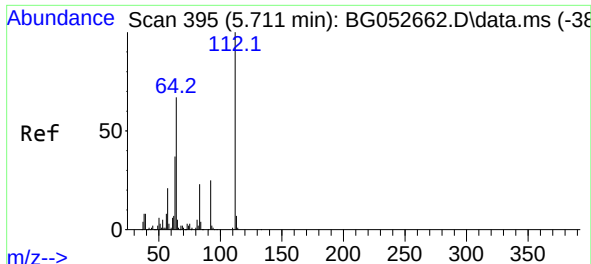


#4
n-Nitrosodimethylamine
Concen: 7.547 ng m
RT: 3.910 min Scan# 89
Delta R.T. 0.002 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



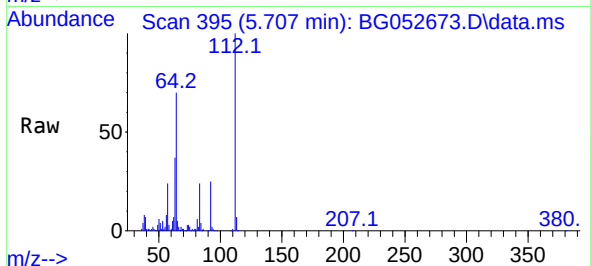
Tgt Ion: 42 Resp: 8611
Ion Ratio Lower Upper
42 100
74 116.4 108.9 163.3
44 19.2 5.7 8.5





#5
2-Fluorophenol
Concen: 152.655 ng
RT: 5.707 min Scan# 395
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

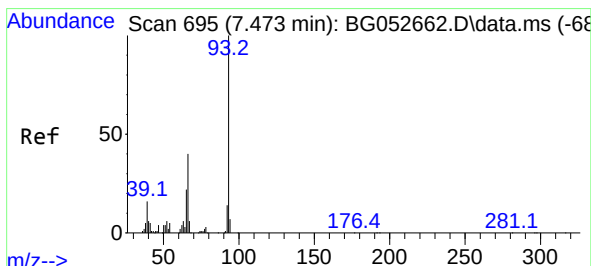
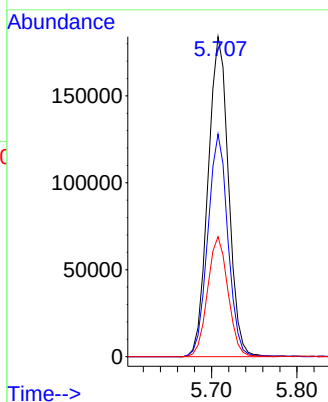
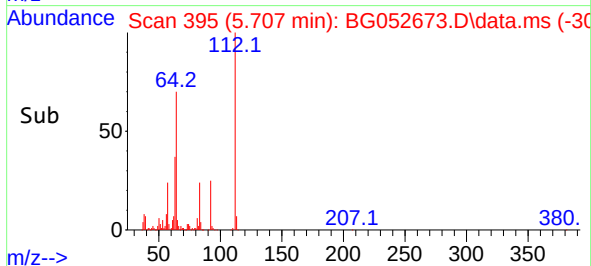


Tgt Ion: 112 Resp: 306184

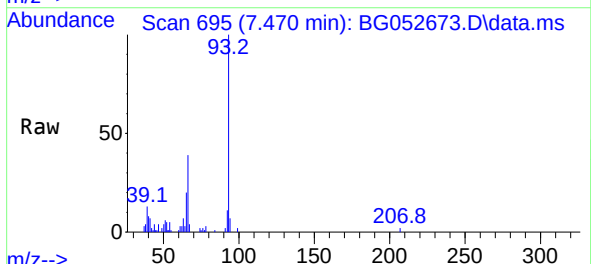
Ion	Ratio	Lower	Upper
112	100		
64	69.6	48.0	72.0
63	37.5	26.5	39.7

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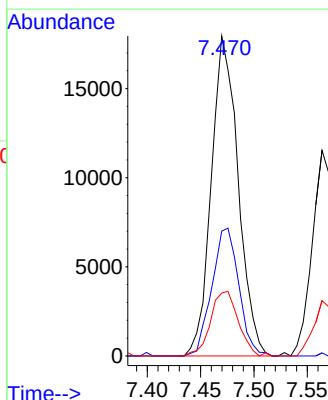
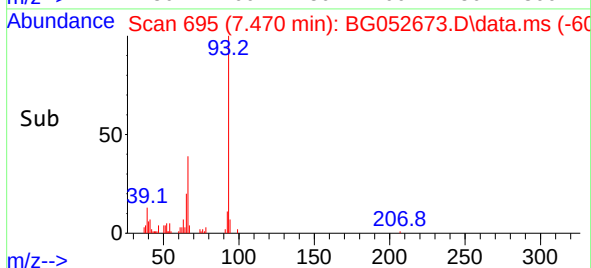


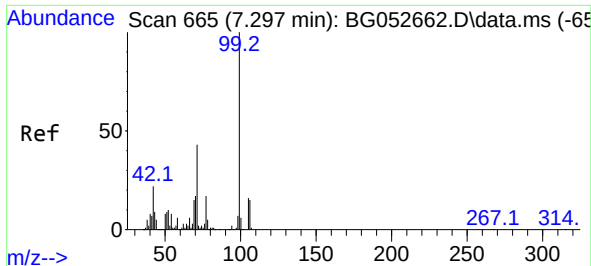
#6
Aniline
Concen: 8.864 ng
RT: 7.470 min Scan# 695
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion: 93 Resp: 31429

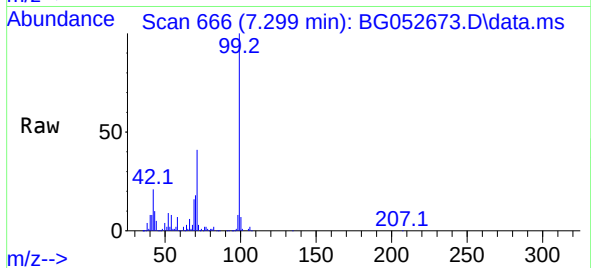
Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.3	46.9
65	19.7	16.7	25.1





#7
Phenol-d6
Concen: 148.992 ng
RT: 7.299 min Scan# 665
Delta R.T. 0.002 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

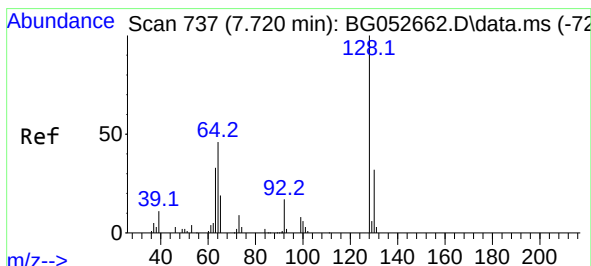
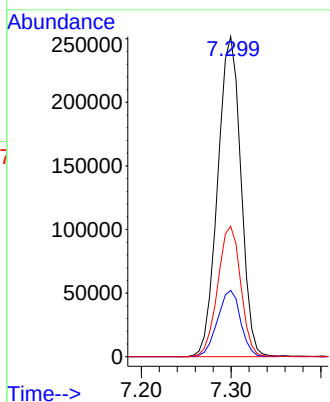
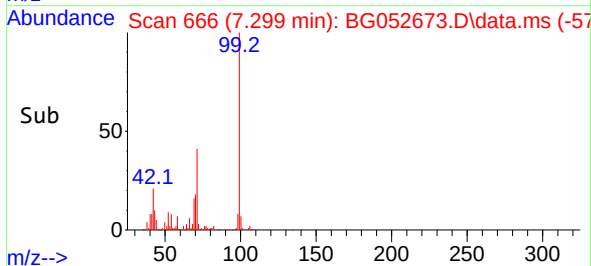
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 99 Resp: 45052
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 40.8 29.2 43.8

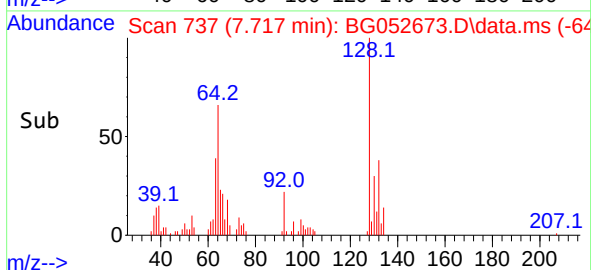
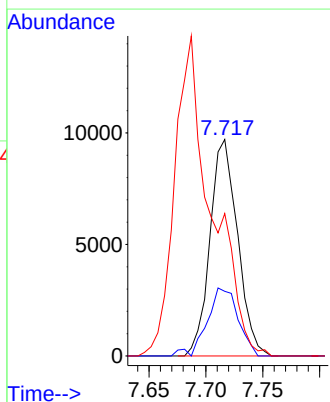
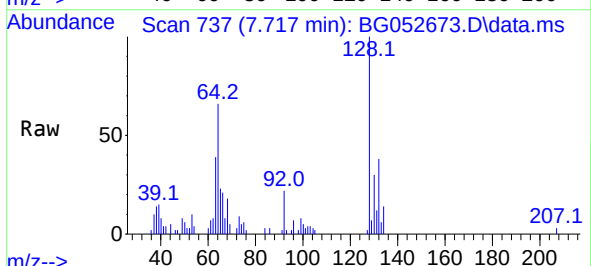
Manual Integrations
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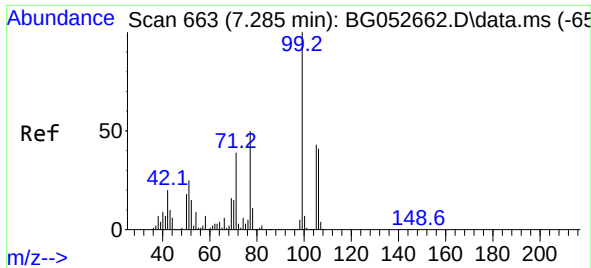
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#8
2-Chlorophenol
Concen: 7.761 ng
RT: 7.717 min Scan# 737
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

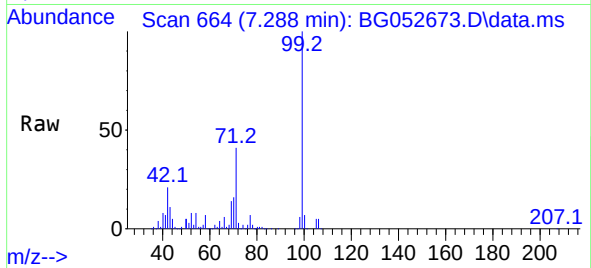
Tgt Ion:128 Resp: 16357
Ion Ratio Lower Upper
128 100
130 29.9 13.4 53.4
64 65.8 30.9 70.9





#9
Benzaldehyde
Concen: 10.933 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

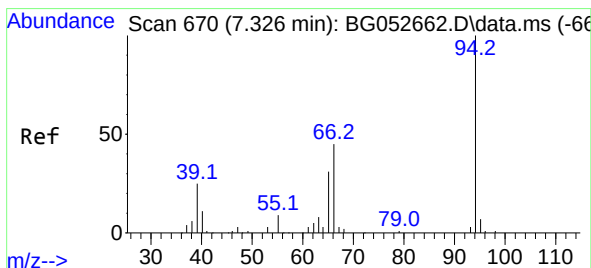
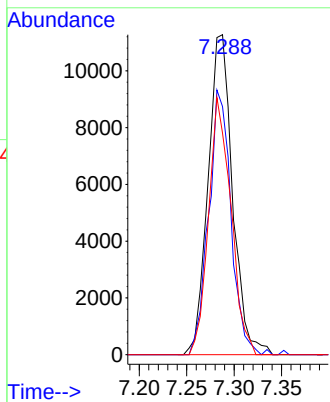
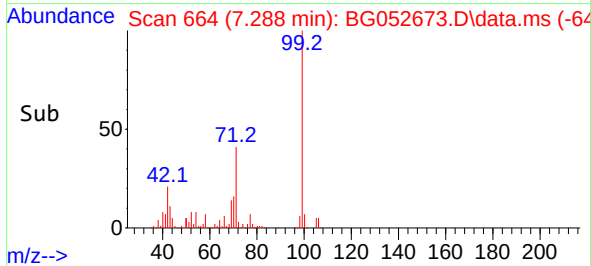
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 77 Resp: 20300
Ion Ratio Lower Upper
77 100
105 77.6 70.6 110.6
106 69.3 67.6 107.6

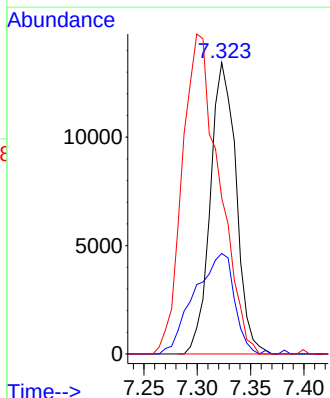
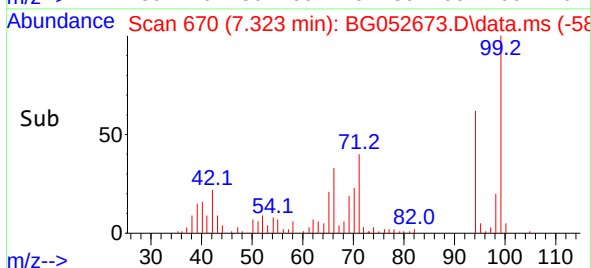
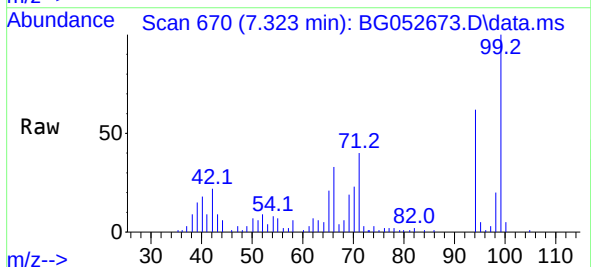
Manual Integrations
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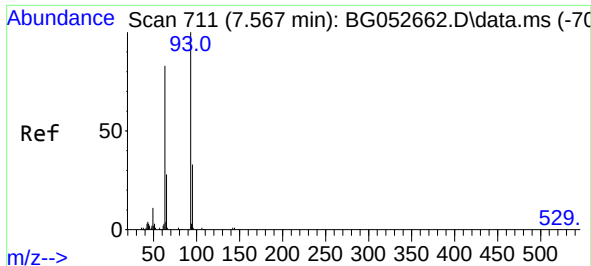
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#10
Phenol
Concen: 7.574 ng
RT: 7.323 min Scan# 670
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

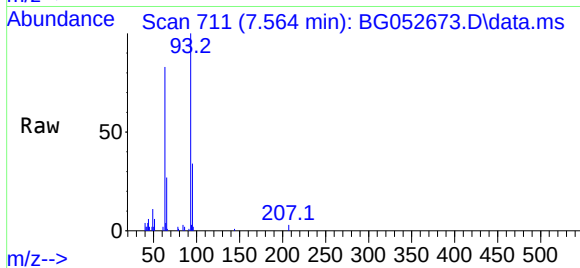
Tgt Ion: 94 Resp: 22608
Ion Ratio Lower Upper
94 100
65 34.5 11.1 51.1
66 53.6 20.0 60.0





#11
bis(2-Chloroethyl)ether
Concen: 7.959 ng
RT: 7.564 min Scan# 711
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

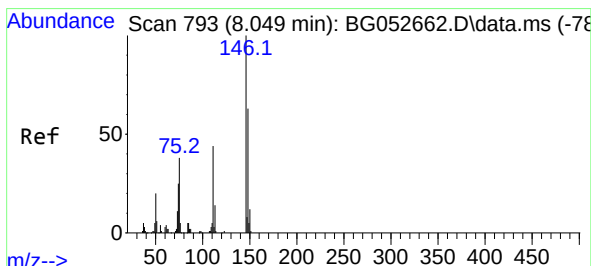
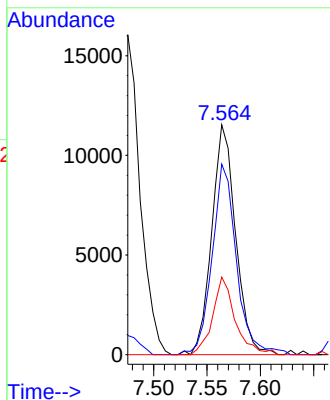
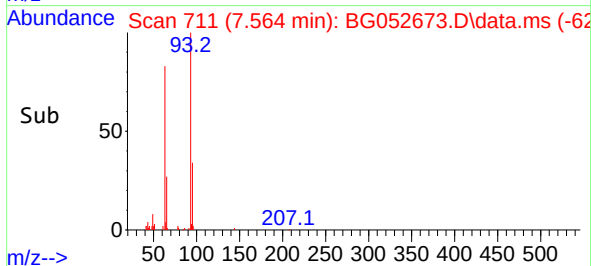
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 93 Resp: 1794
Ion Ratio Lower Upper
93 100
63 82.9 56.9 96.9
95 33.8 14.5 54.5

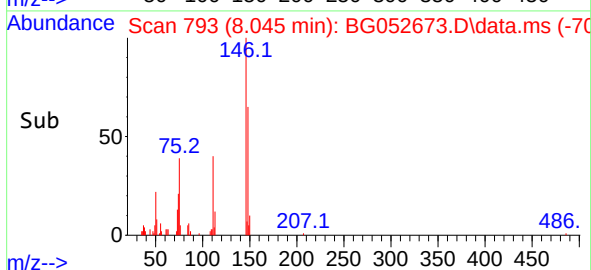
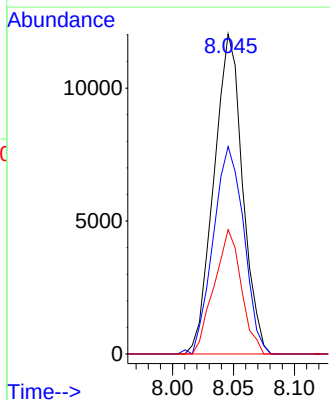
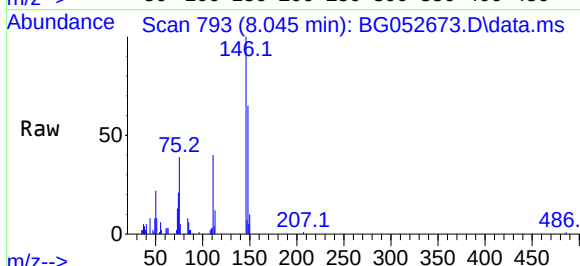
Manual Integrations
APPROVED

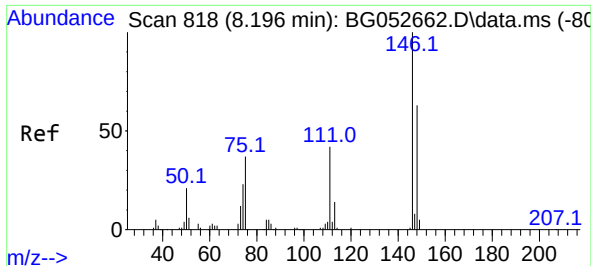
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#12
1,3-Dichlorobenzene
Concen: 7.762 ng
RT: 8.045 min Scan# 793
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

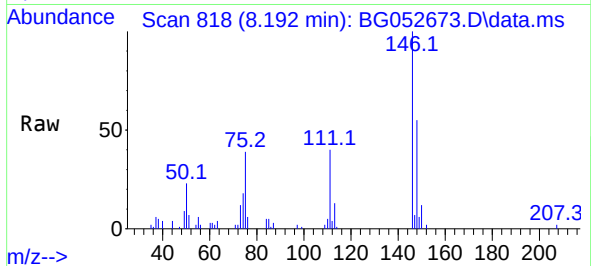
Tgt Ion:146 Resp: 19695
Ion Ratio Lower Upper
146 100
148 64.8 50.6 76.0
75 38.9 25.9 38.9





#13
1,4-Dichlorobenzene
Concen: 8.291 ng
RT: 8.192 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

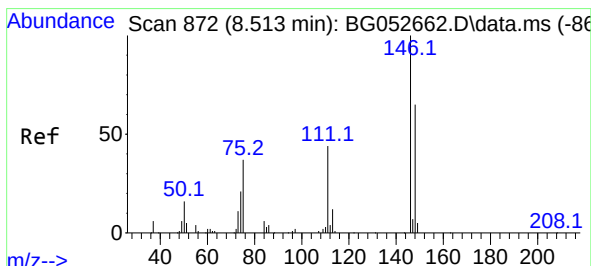
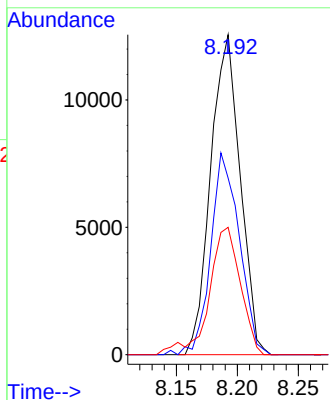
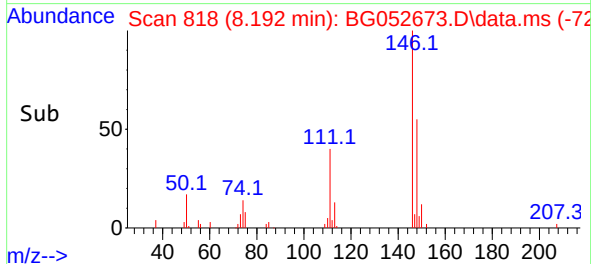
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



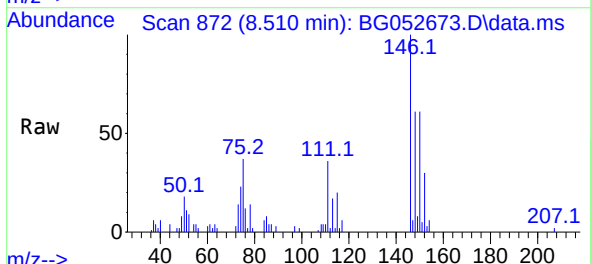
Tgt Ion:146 Resp: 21139
Ion Ratio Lower Upper
146 100
148 55.2 50.0 75.0
111 39.8 31.0 46.4

Manual Integrations
APPROVED

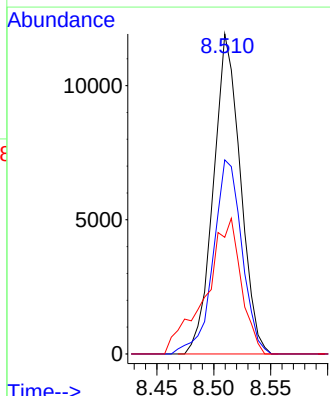
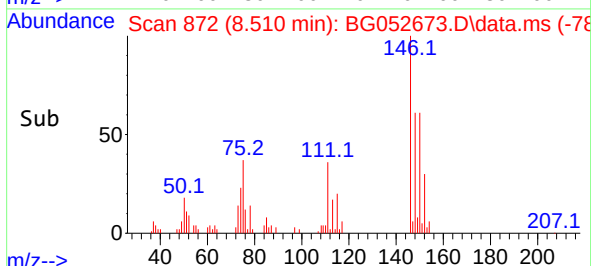
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

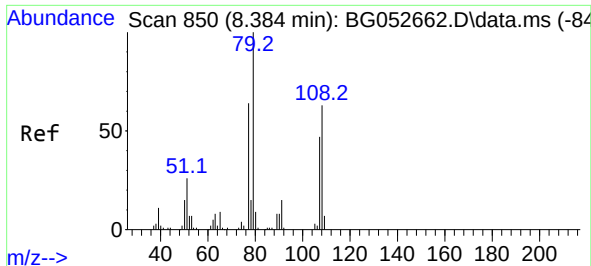


#14
1,2-Dichlorobenzene
Concen: 8.141 ng
RT: 8.510 min Scan# 872
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:146 Resp: 19629
Ion Ratio Lower Upper
146 100
148 60.7 51.0 76.6
111 36.4 34.7 52.1





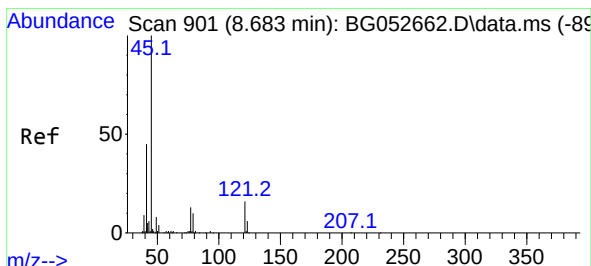
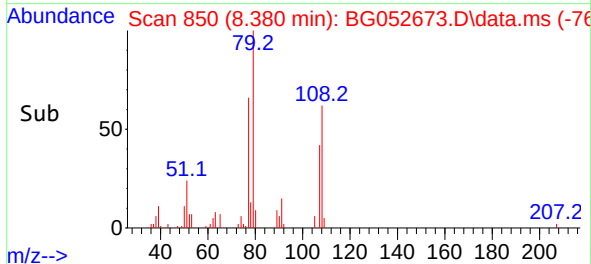
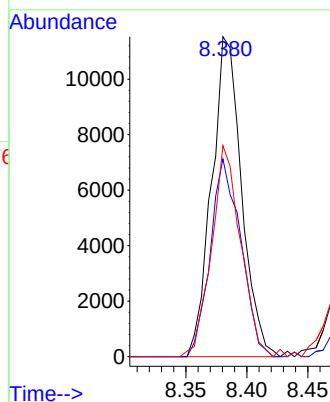
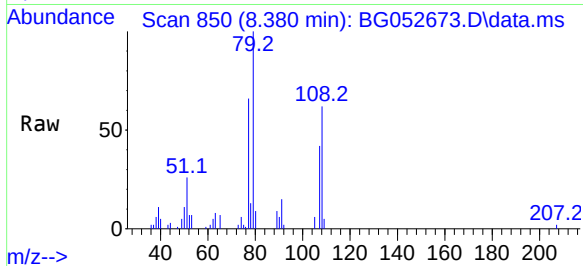
#15
Benzyl Alcohol
Concen: 7.728 ng
RT: 8.380 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion: 79 Resp: 1967
Ion Ratio Lower Upper
79 100
108 61.8 55.1 82.7
77 66.0 52.4 78.6

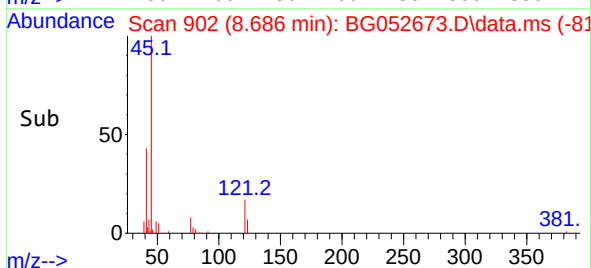
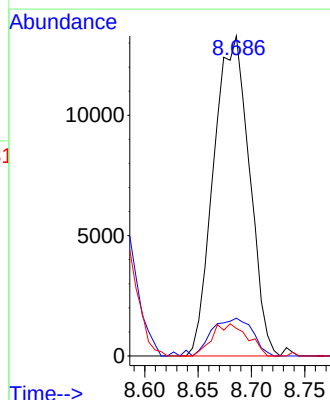
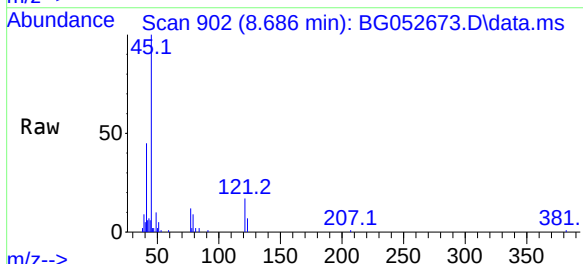
Manual Integrations
APPROVED

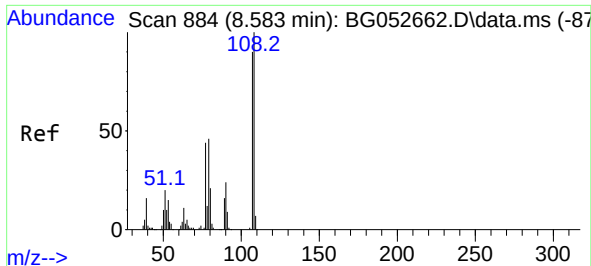
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.884 ng
RT: 8.686 min Scan# 902
Delta R.T. 0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

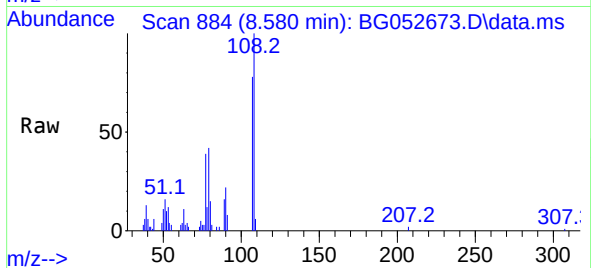
Tgt Ion: 45 Resp: 30948
Ion Ratio Lower Upper
45 100
77 11.8 0.0 34.9
79 8.6 0.0 30.7





#17
2-Methylphenol
Concen: 7.823 ng
RT: 8.580 min Scan# 884
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

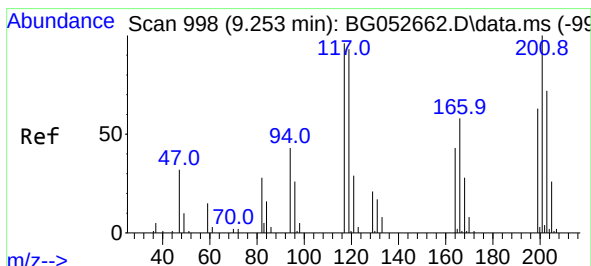
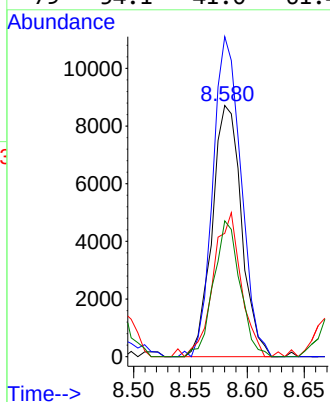
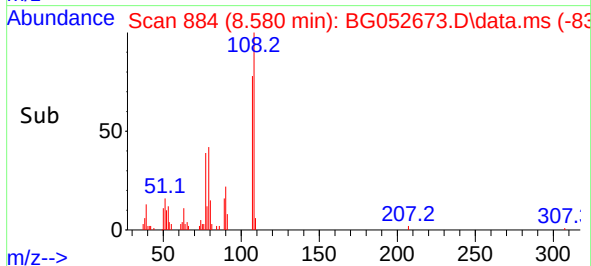
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



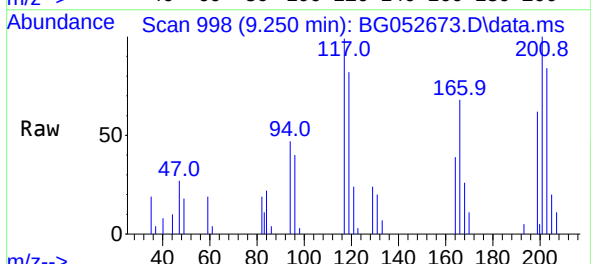
Tgt Ion:	107	Resp:	1556
Ion	Ratio	Lower	Upper
107	100		
108	127.4	91.5	137.3
77	49.1	42.5	63.7
79	54.1	41.0	61.4

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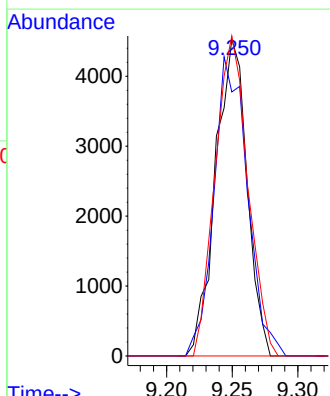
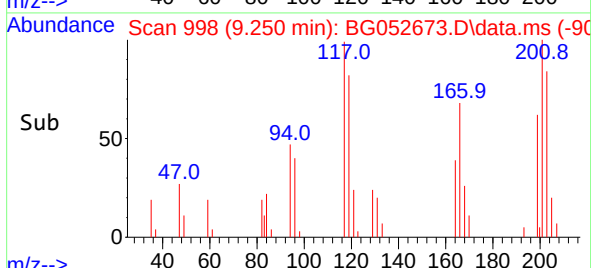
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

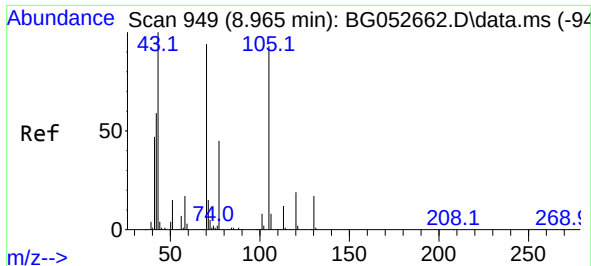


#18
Hexachloroethane
Concen: 8.085 ng
RT: 9.250 min Scan# 998
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



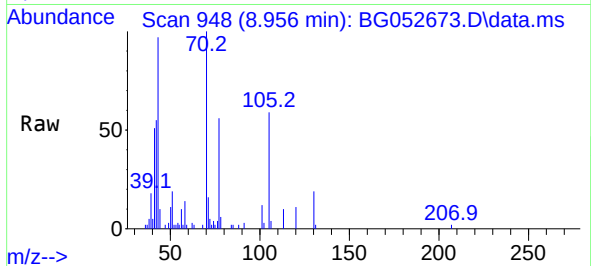
Tgt Ion:	117	Resp:	7563
Ion	Ratio	Lower	Upper
117	100		
119	83.4	75.1	112.7
201	101.1	96.6	145.0





#19
n-Nitroso-di-n-propylamine
Concen: 7.555 ng
RT: 8.956 min Scan# 949
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

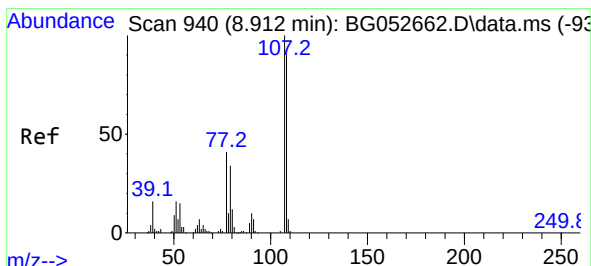
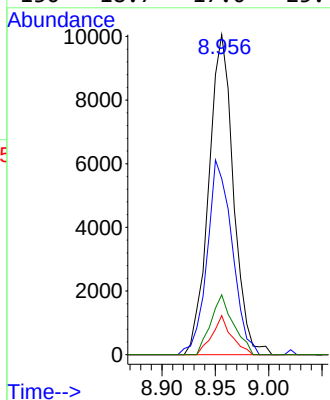
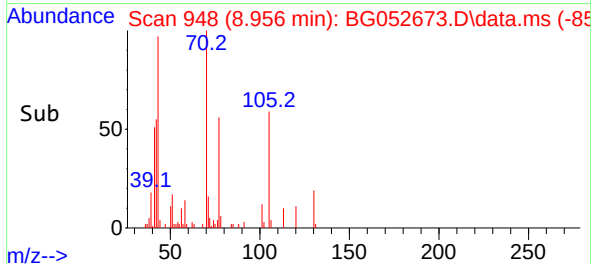
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 70 Resp: 1618
Ion Ratio Lower Upper
70 100
42 55.0 46.0 69.0
101 12.2 6.2 9.4
130 18.7 17.0 25.4

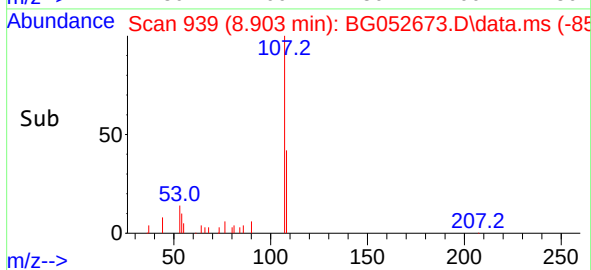
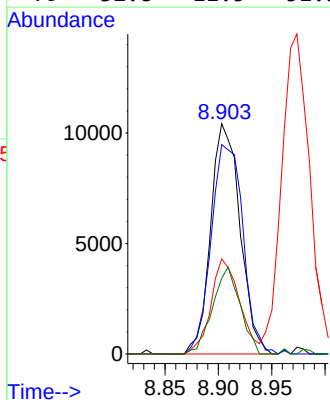
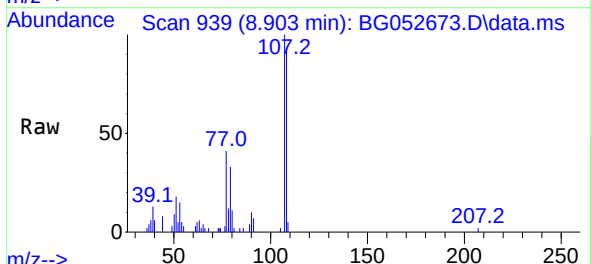
Manual Integrations
APPROVED

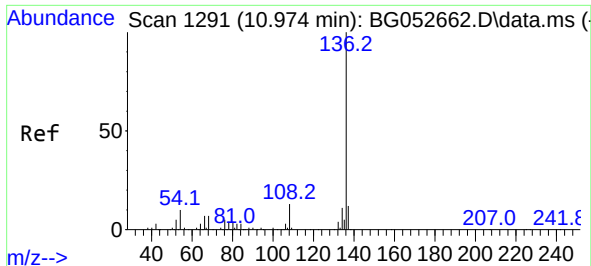
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#20
3+4-Methylphenols
Concen: 7.151 ng
RT: 8.903 min Scan# 939
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

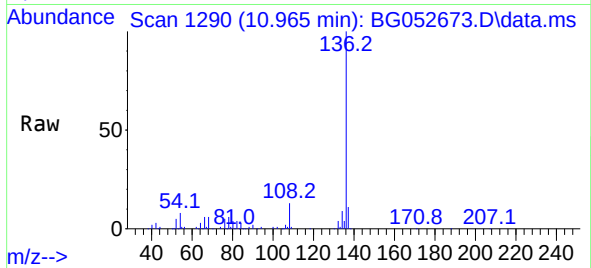
Tgt Ion:107 Resp: 19913
Ion Ratio Lower Upper
107 100
108 90.9 64.8 104.8
77 41.3 15.9 55.9
79 32.8 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.965 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

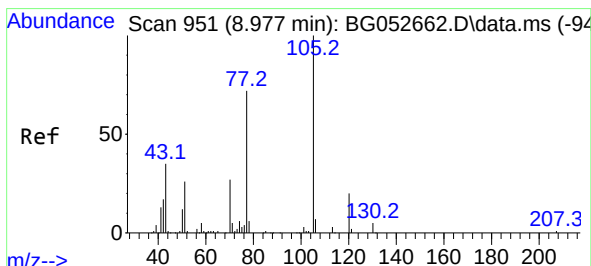
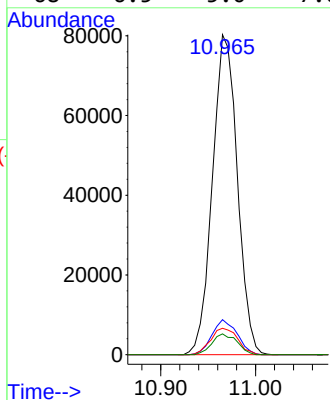
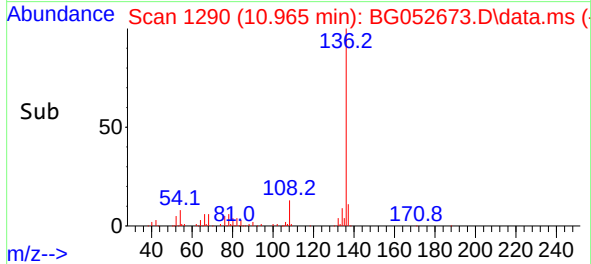
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:136 Resp: 146635
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 8.3 6.4 9.6
68 6.5 5.0 7.6

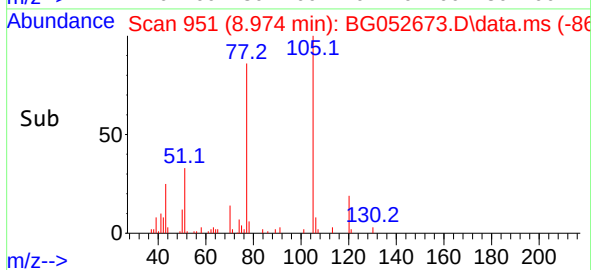
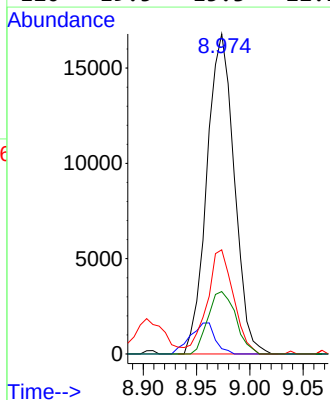
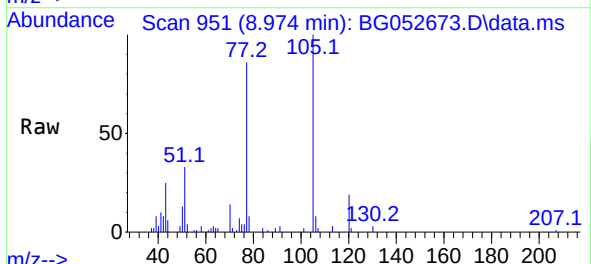
Manual Integrations
APPROVED

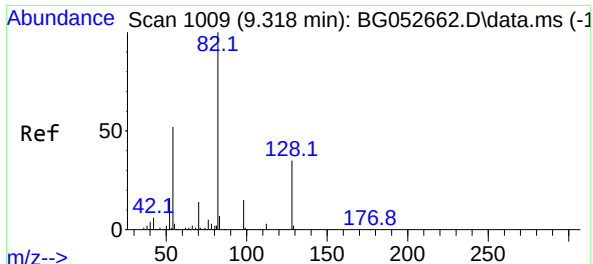
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 7.898 ng
RT: 8.974 min Scan# 951
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:105 Resp: 29972
Ion Ratio Lower Upper
105 100
71 1.6 2.1 3.1#
51 32.5 21.9 32.9
120 19.5 15.3 22.9





#23

Nitrobenzene-d5

Concen: 84.396 ng

RT: 9.314 min Scan# 1009

Delta R.T. -0.003 min

Lab File: BG052673.D

Acq: 16 Mar 2022 10:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 82 Resp: 246570

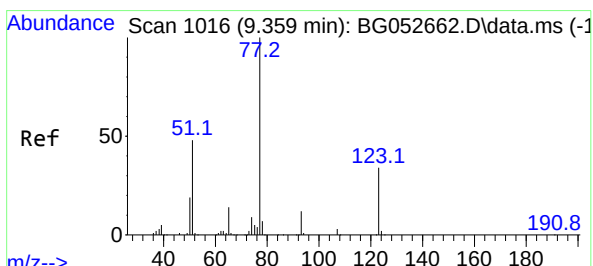
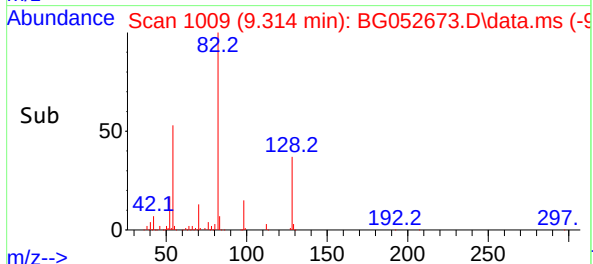
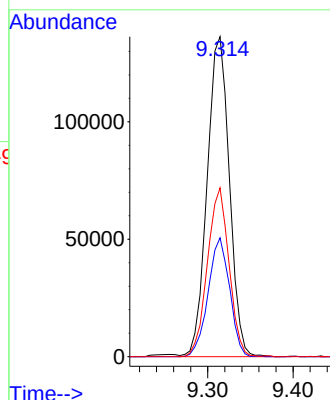
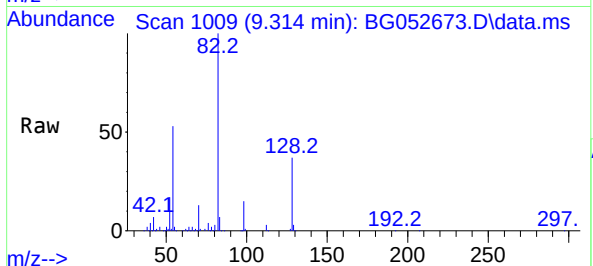
Ion	Ratio	Lower	Upper
82	100		
128	37.1	31.3	46.9
54	52.7	37.8	56.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#24

Nitrobenzene

Concen: 8.549 ng

RT: 9.350 min Scan# 1015

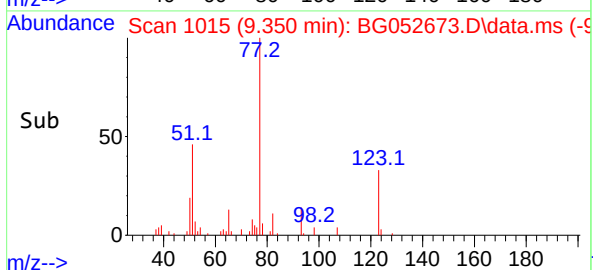
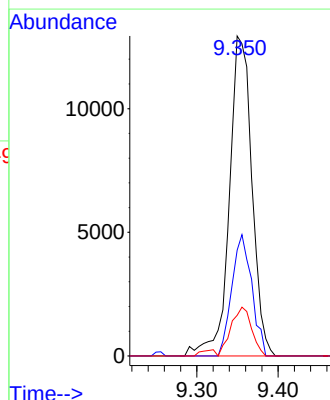
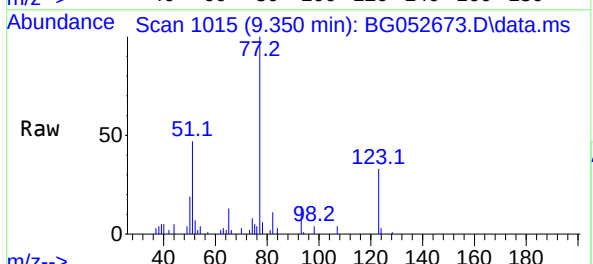
Delta R.T. -0.009 min

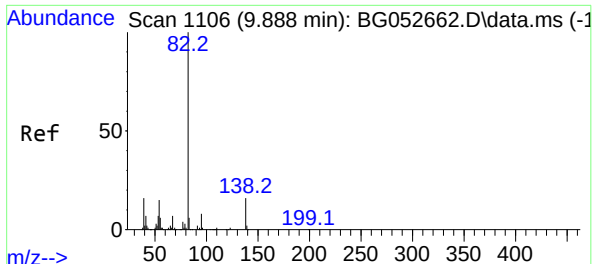
Lab File: BG052673.D

Acq: 16 Mar 2022 10:23

Tgt Ion: 77 Resp: 24992

Ion	Ratio	Lower	Upper
77	100		
123	33.1	34.4	51.6#
65	12.7	11.2	16.8





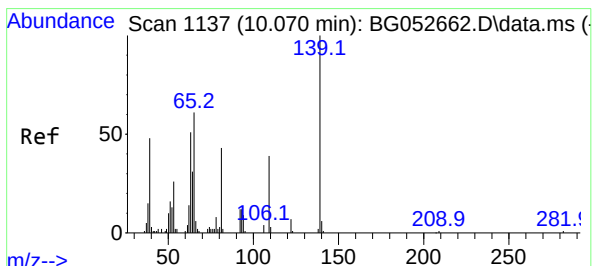
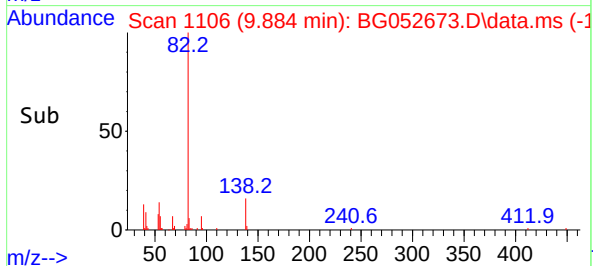
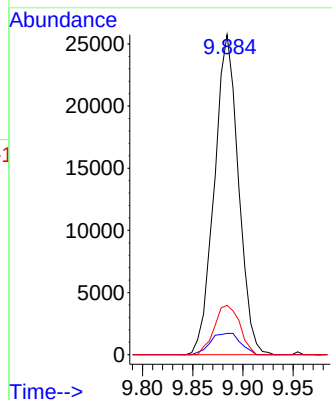
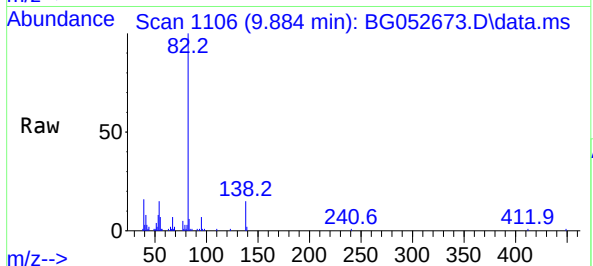
#25
Isophorone
Concen: 7.601 ng
RT: 9.884 min Scan# 1106
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion: 82 Resp: 43000
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 15.4 12.6 18.8

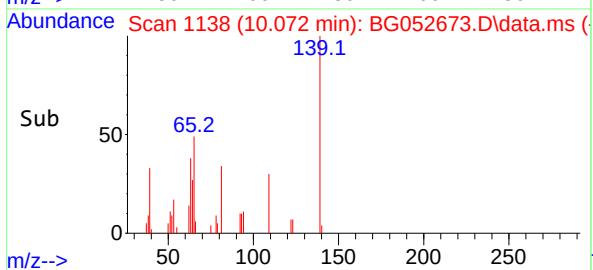
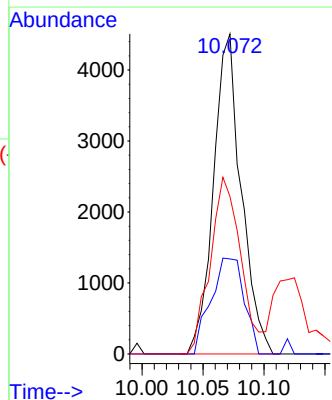
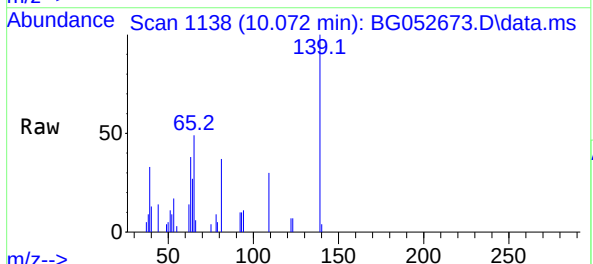
Manual Integrations
APPROVED

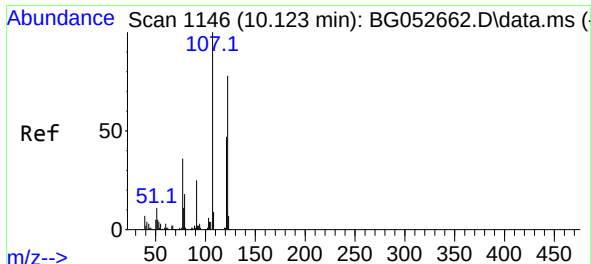
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#26
2-Nitrophenol
Concen: 7.025 ng
RT: 10.072 min Scan# 1138
Delta R.T. 0.002 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

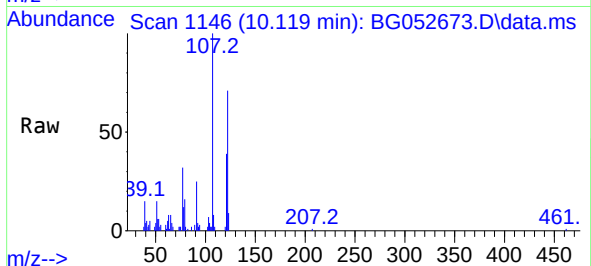
Tgt Ion:139 Resp: 7131
Ion Ratio Lower Upper
139 100
109 29.7 29.4 44.0
65 49.2 48.2 72.2





#27
2,4-Dimethylphenol
Concen: 8.810 ng
RT: 10.119 min Scan# 1146
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

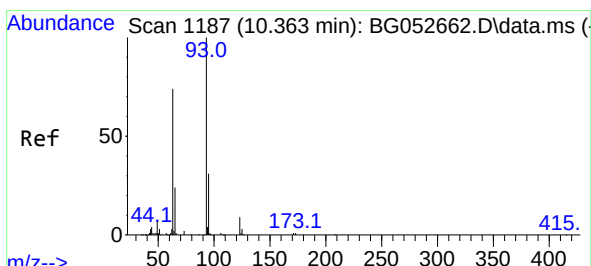
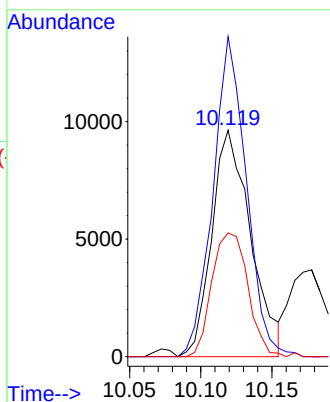
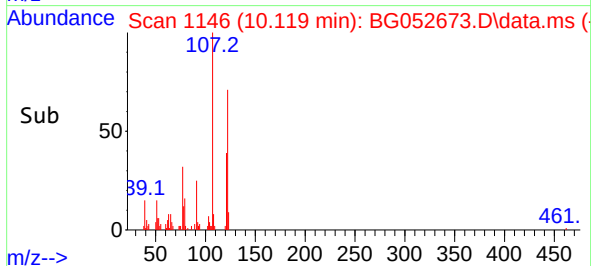
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:122 Resp: 1829
Ion Ratio Lower Upper
122 100
107 141.3 96.7 145.1
121 54.7 46.3 69.5

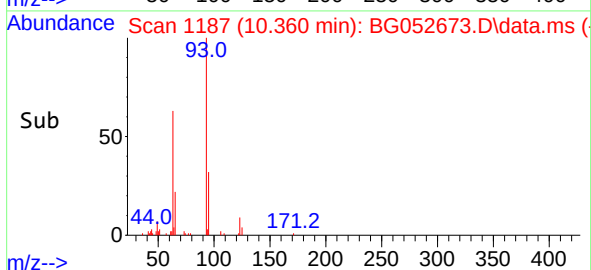
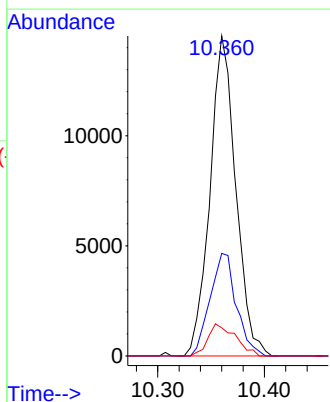
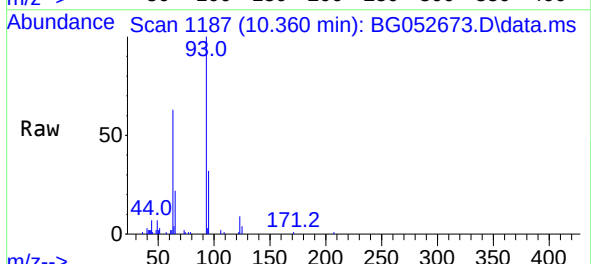
Manual Integrations
APPROVED

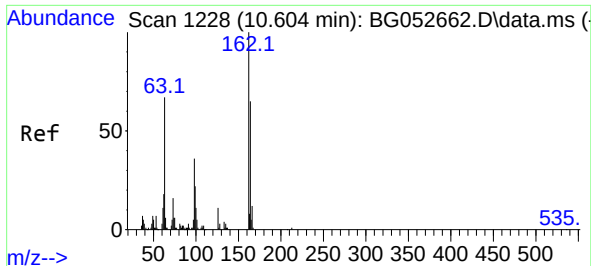
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#28
bis(2-Chloroethoxy)methane
Concen: 7.306 ng
RT: 10.360 min Scan# 1187
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

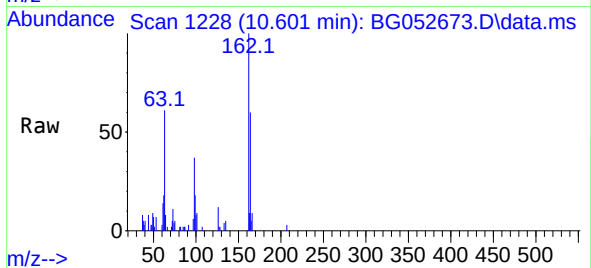
Tgt Ion: 93 Resp: 24437
Ion Ratio Lower Upper
93 100
95 32.1 26.5 39.7
123 8.8 8.6 12.8





#29
2,4-Dichlorophenol
Concen: 6.960 ng
RT: 10.601 min Scan# 1228
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

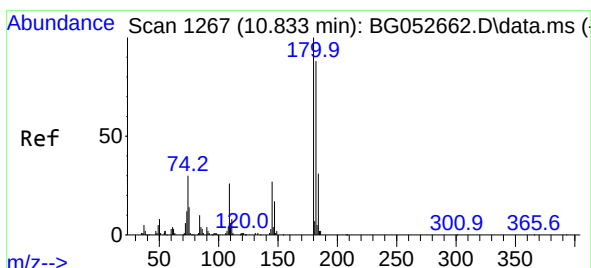
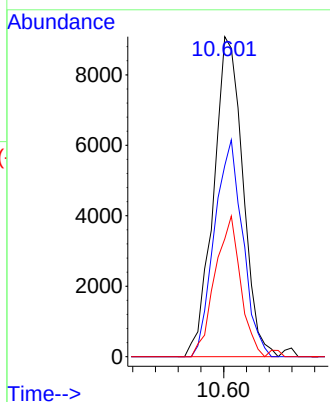
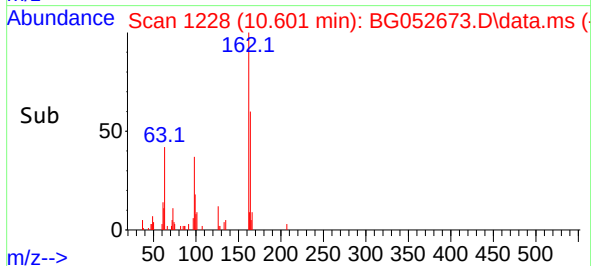
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



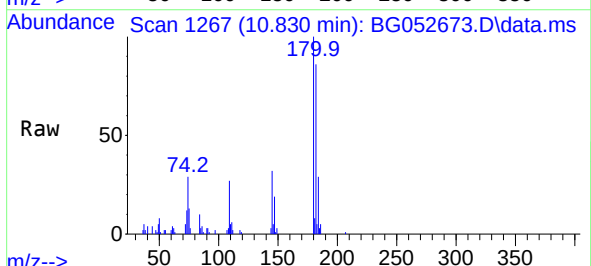
Tgt Ion:162 Resp: 1626
Ion Ratio Lower Upper
162 100
164 59.7 44.0 84.0
98 36.8 17.3 57.3

Manual Integrations
APPROVED

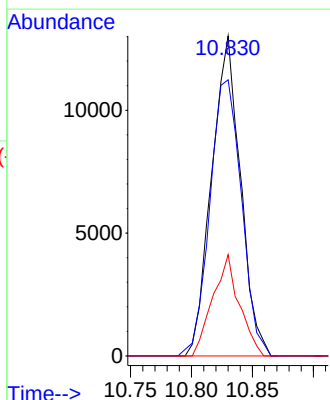
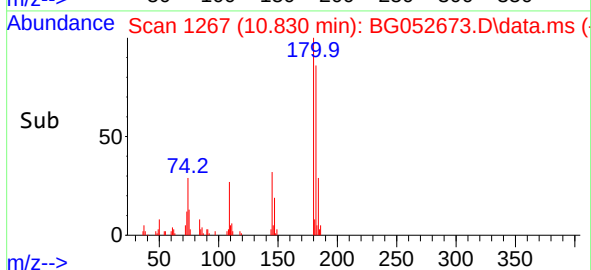
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

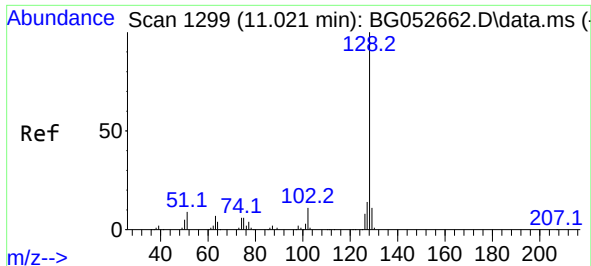


#30
1,2,4-Trichlorobenzene
Concen: 7.781 ng
RT: 10.830 min Scan# 1267
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:180 Resp: 21452
Ion Ratio Lower Upper
180 100
182 86.3 77.8 116.6
145 31.6 24.4 36.6





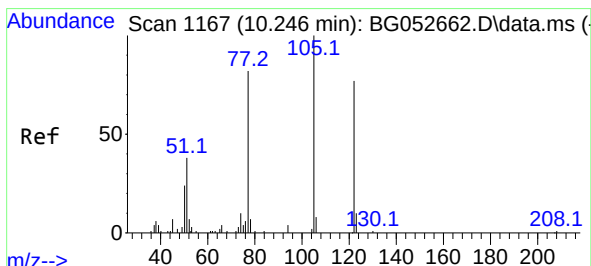
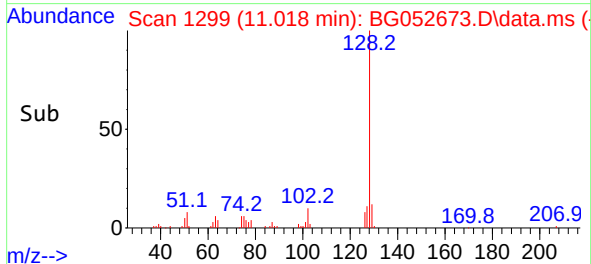
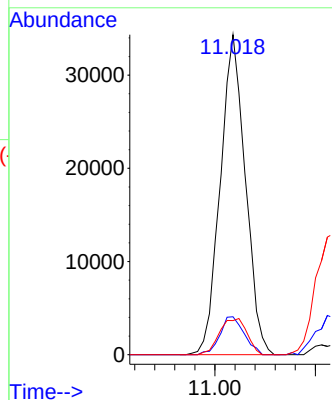
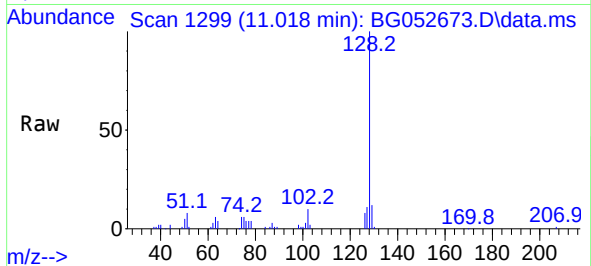
#31
Naphthalene
Concen: 7.847 ng
RT: 11.018 min Scan# 1105
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:128 Resp: 5950
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 10.7 10.5 15.7

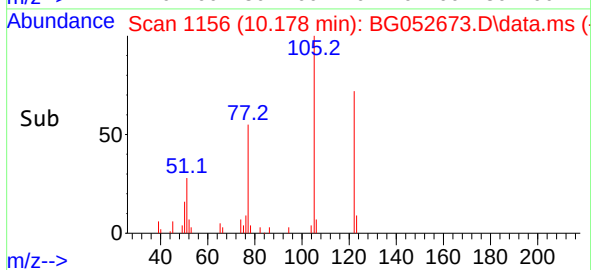
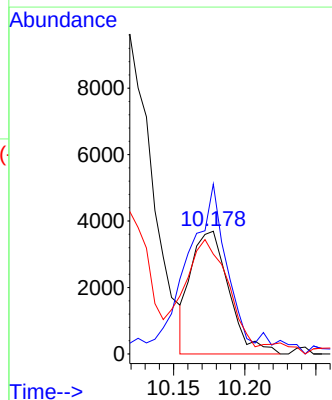
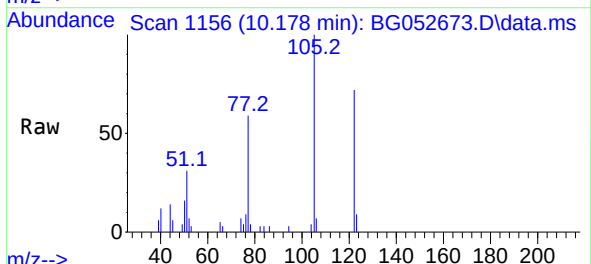
Manual Integrations
APPROVED

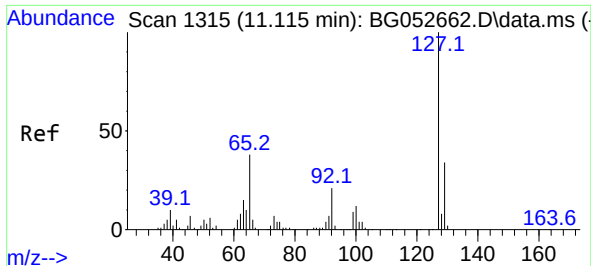
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 4.878 ng
RT: 10.178 min Scan# 1156
Delta R.T. -0.068 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:122 Resp: 6809
Ion Ratio Lower Upper
122 100
105 138.4 112.8 152.8
77 81.4 78.4 118.4





#33
4-Chloroaniline
Concen: 7.616 ng
RT: 11.118 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

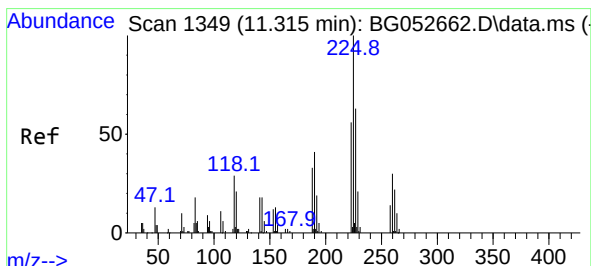
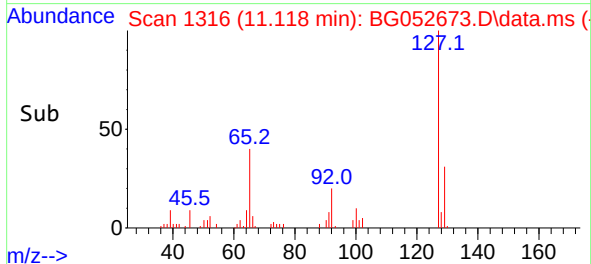
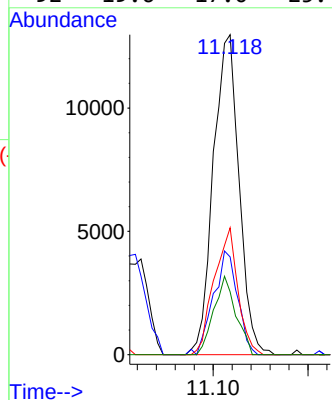
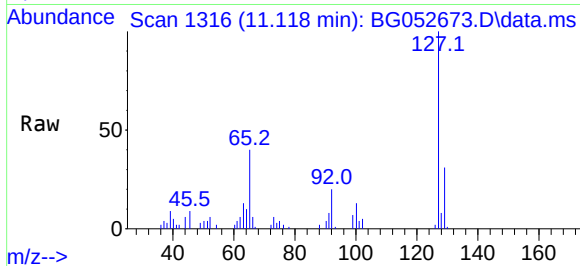
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:127 Resp: 24470

Ion	Ratio	Lower	Upper
127	100		
129	30.6	27.6	41.4
65	39.7	28.2	42.4
92	19.6	17.0	25.4

Manual Integrations
APPROVED

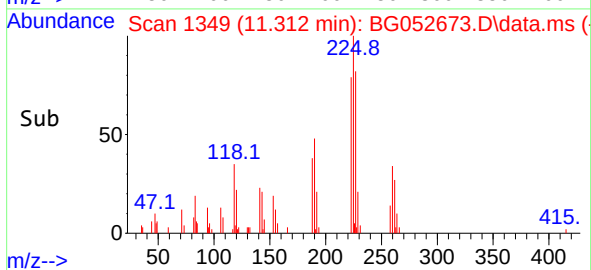
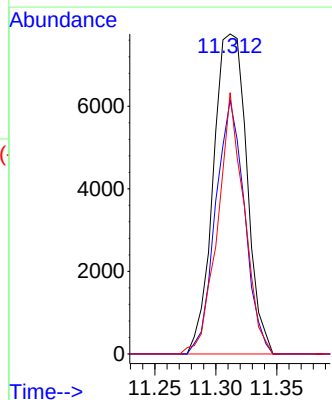
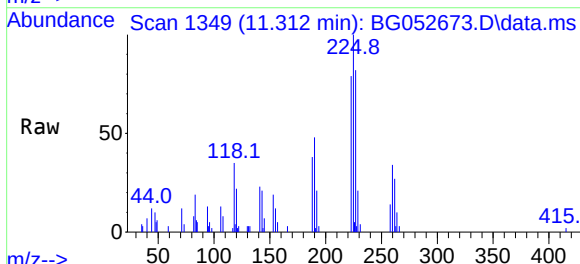
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

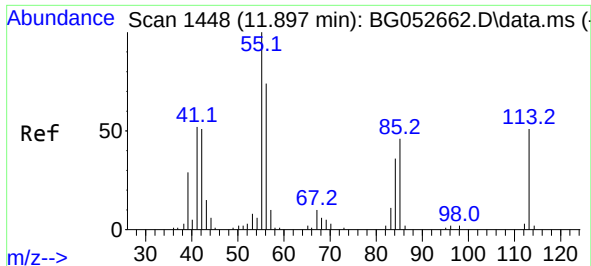


#34
Hexachlorobutadiene
Concen: 7.497 ng
RT: 11.312 min Scan# 1349
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:225 Resp: 14819

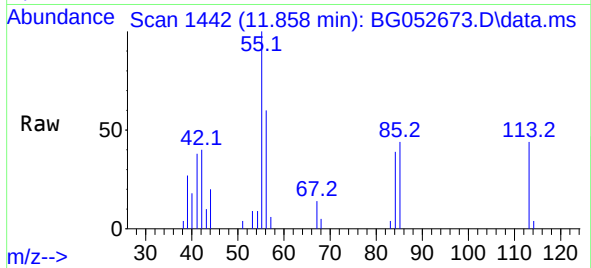
Ion	Ratio	Lower	Upper
225	100		
223	79.3	50.2	75.2#
227	81.6	52.0	78.0#





#35
Caprolactam
Concen: 6.676 ng
RT: 11.858 min Scan# 14
Delta R.T. -0.039 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

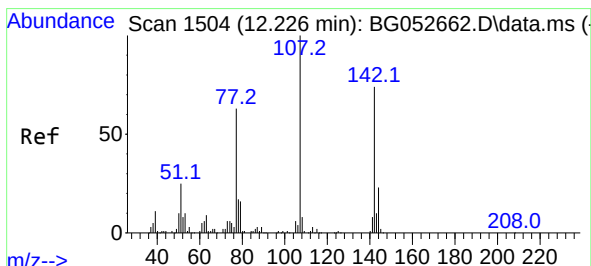
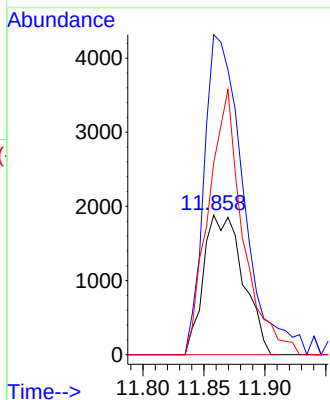
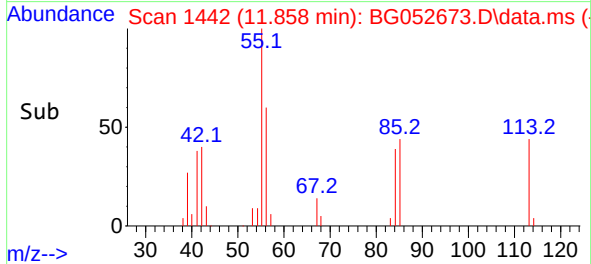
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



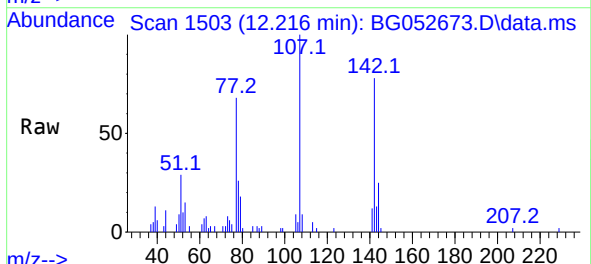
Tgt Ion:113 Resp: 4260
Ion Ratio Lower Upper
113 100
55 229.3 151.3 191.3
56 137.5 128.5 168.5

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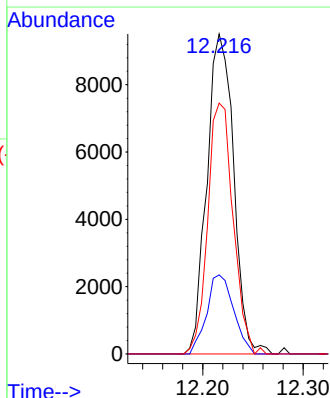
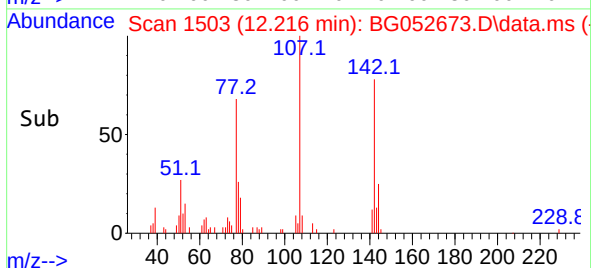
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

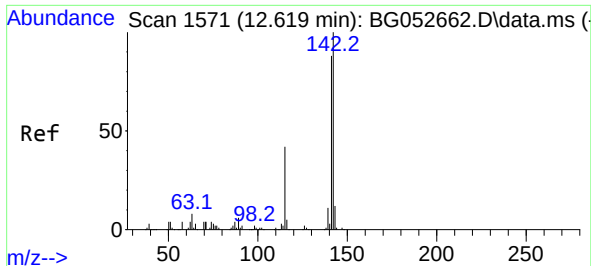


#36
4-Chloro-3-methylphenol
Concen: 6.497 ng
RT: 12.216 min Scan# 1503
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:107 Resp: 17632
Ion Ratio Lower Upper
107 100
144 24.7 21.4 32.0
142 78.4 61.7 92.5





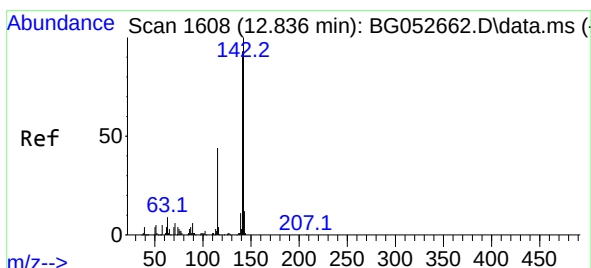
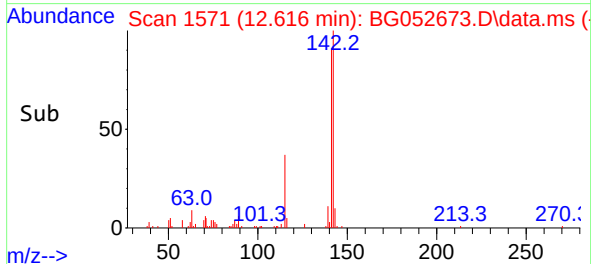
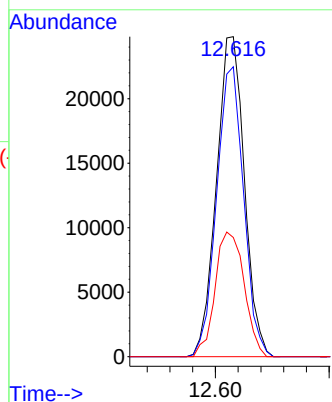
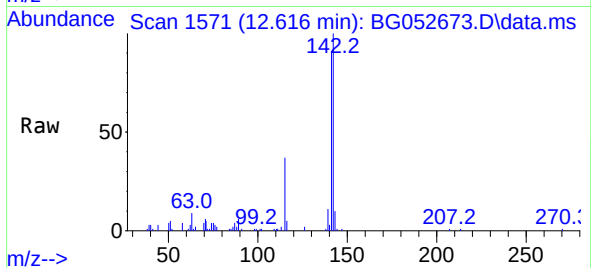
#37
2-Methylnaphthalene
Concen: 7.628 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:142 Resp: 4235
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9
115 37.2 29.5 44.3

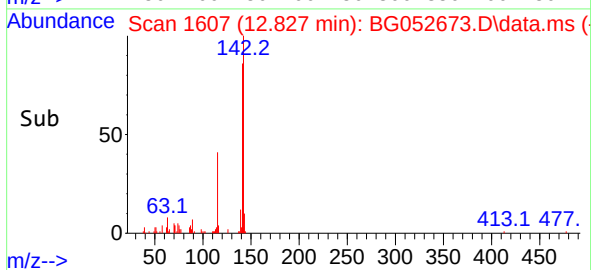
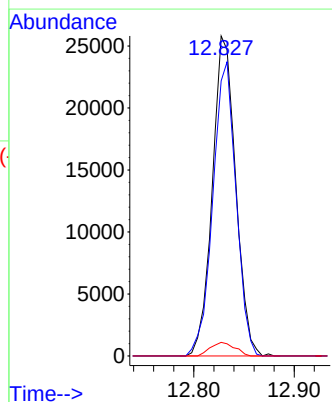
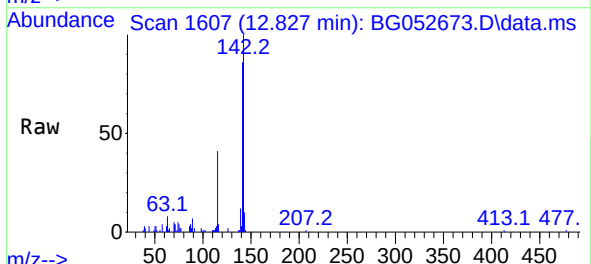
Manual Integrations
APPROVED

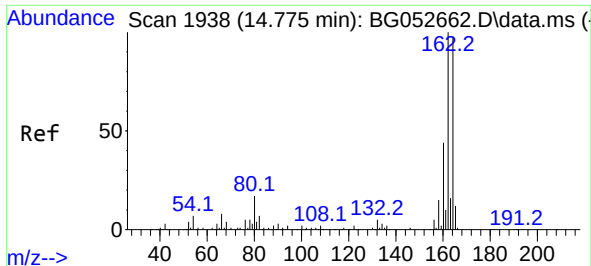
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#38
1-Methylnaphthalene
Concen: 7.677 ng
RT: 12.827 min Scan# 1607
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

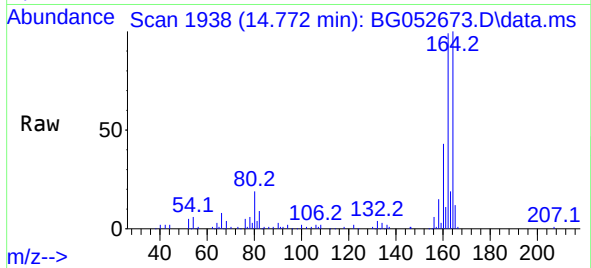
Tgt Ion:142 Resp: 41605
Ion Ratio Lower Upper
142 100
141 85.9 70.5 105.7
116 4.2 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1938
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

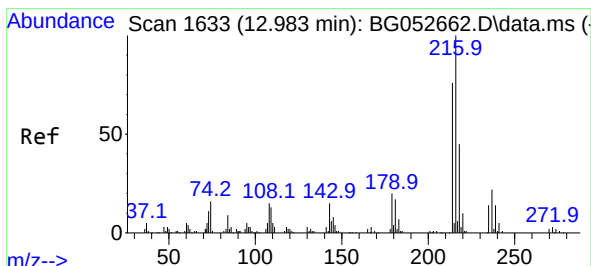
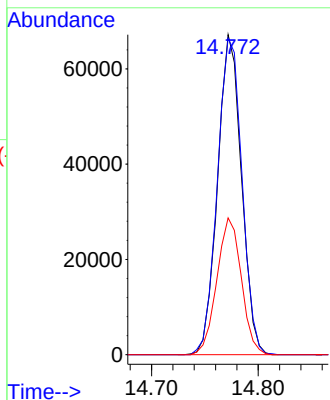
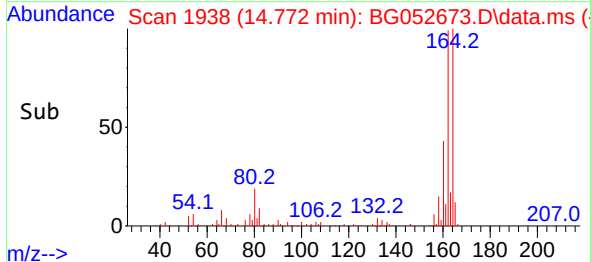
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



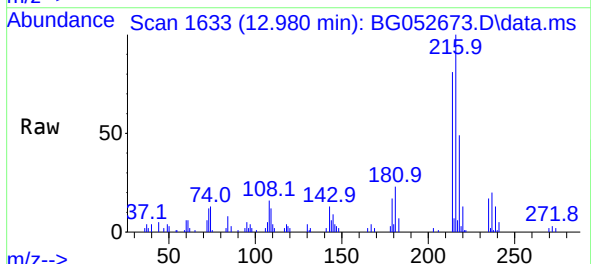
Tgt Ion:164 Resp: 104092
Ion Ratio Lower Upper
164 100
162 98.9 80.0 120.0
160 42.8 38.8 58.2

Manual Integrations
APPROVED

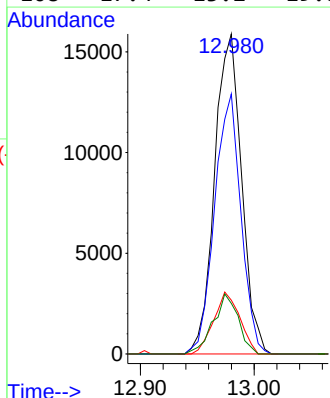
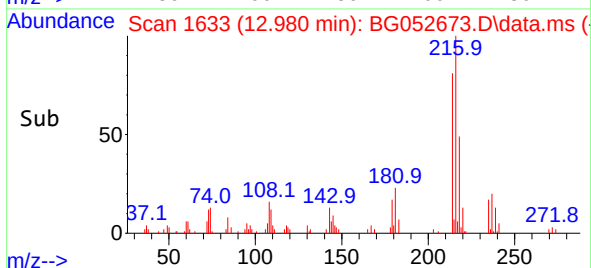
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

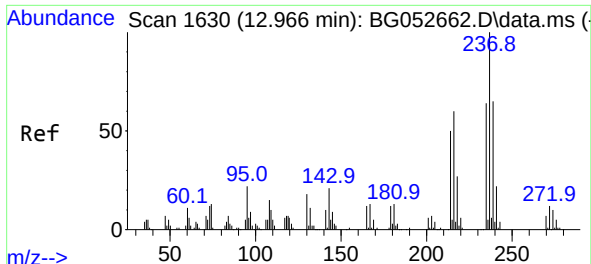


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.044 ng
RT: 12.980 min Scan# 1633
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



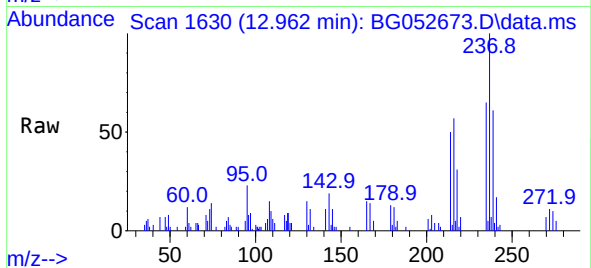
Tgt Ion:216 Resp: 26158
Ion Ratio Lower Upper
216 100
214 79.3 63.8 95.6
179 18.7 15.7 23.5
108 17.4 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 8.098 ng
RT: 12.962 min Scan# 1630
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

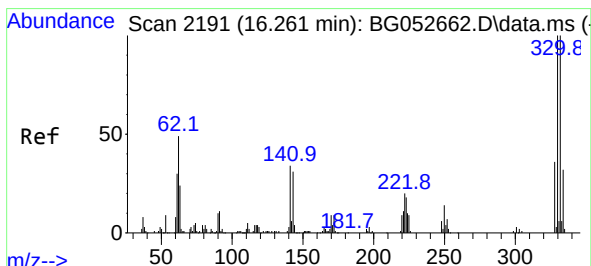
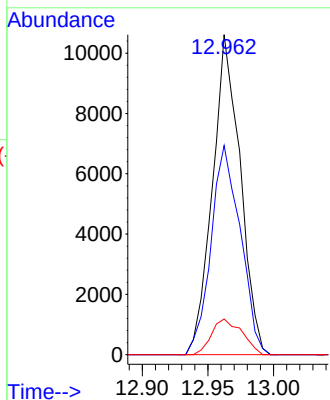
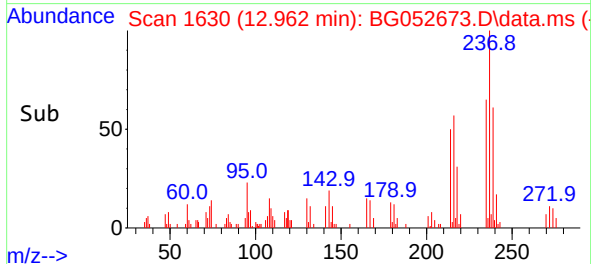
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



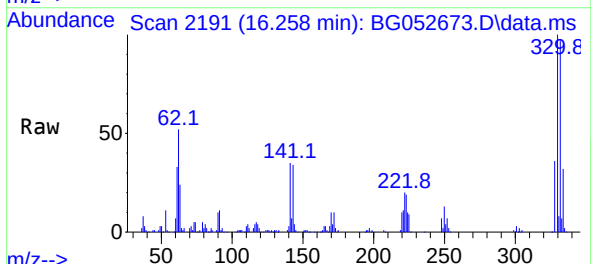
Tgt Ion:237 Resp: 15610
Ion Ratio Lower Upper
237 100
235 65.3 37.7 77.7
272 11.1 0.0 30.7

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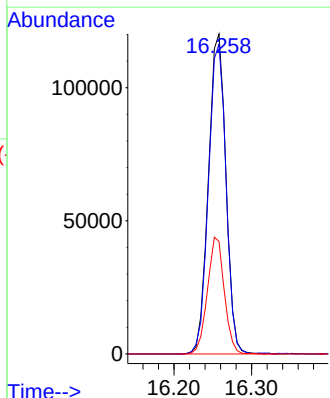
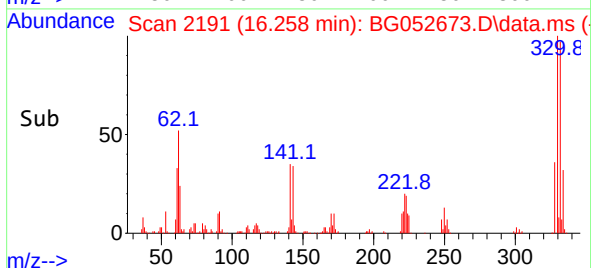
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

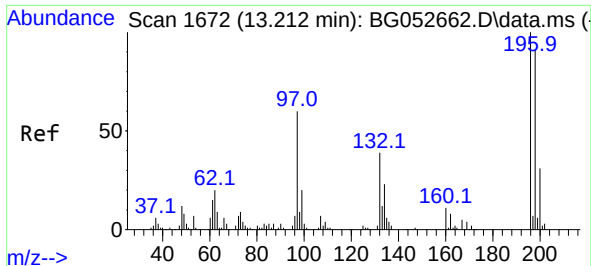


#42
2,4,6-Tribromophenol
Concen: 134.401 ng
RT: 16.258 min Scan# 2191
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



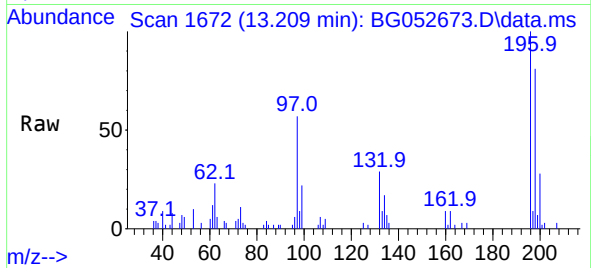
Tgt Ion:330 Resp: 187989
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 35.3 24.6 36.8





#43
2,4,6-Trichlorophenol
Concen: 7.152 ng
RT: 13.209 min Scan# 1672
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

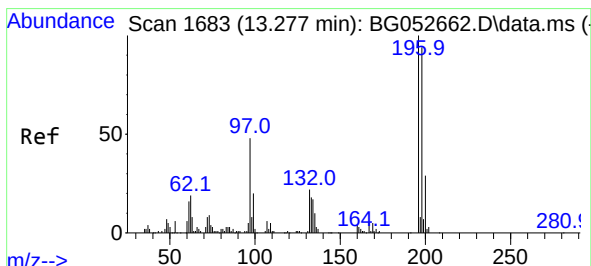
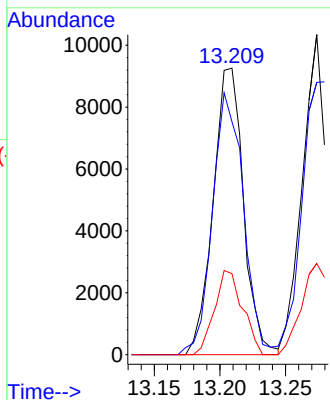
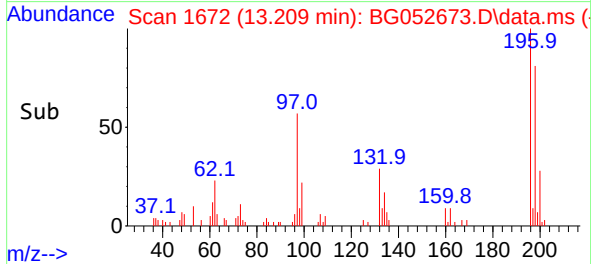
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



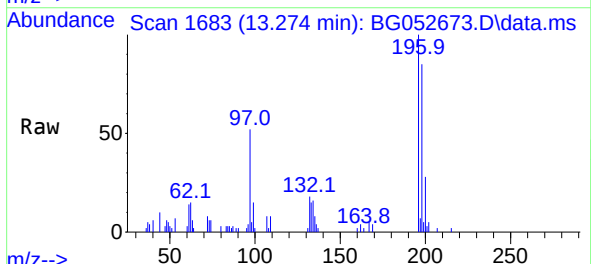
Tgt Ion:196 Resp: 14894
Ion Ratio Lower Upper
196 100
198 81.3 78.8 118.2
200 28.3 25.1 37.7

Manual Integrations
APPROVED

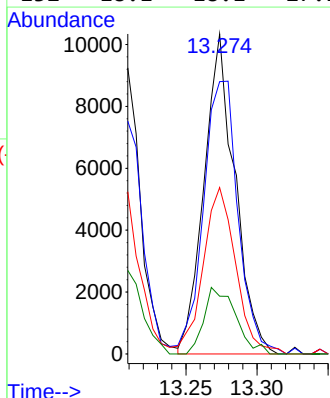
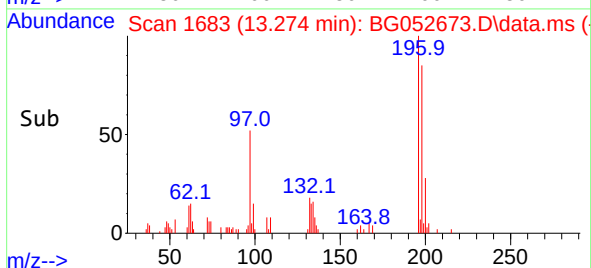
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

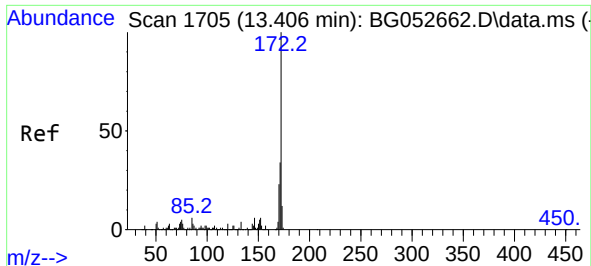


#44
2,4,5-Trichlorophenol
Concen: 7.373 ng
RT: 13.274 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:196 Resp: 15586
Ion Ratio Lower Upper
196 100
198 85.1 75.8 113.6
97 52.0 36.5 54.7
132 18.1 18.1 27.1#





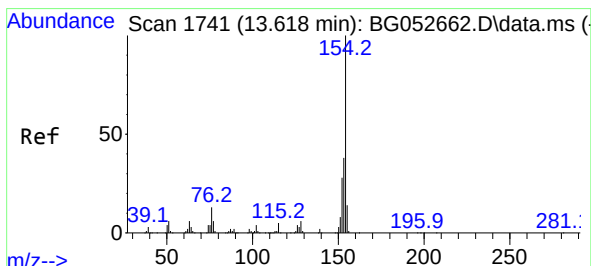
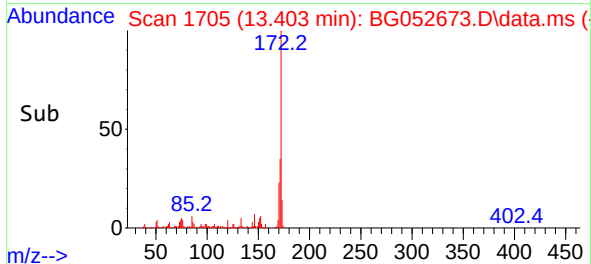
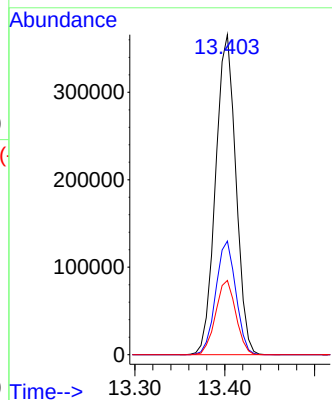
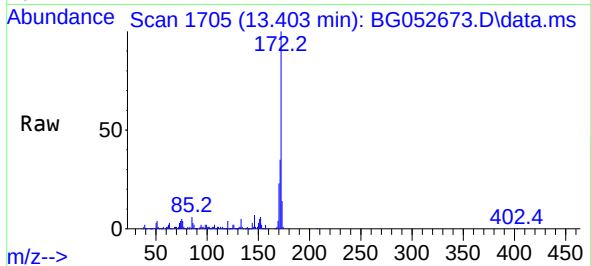
#45
2-Fluorobiphenyl
Concen: 81.221 ng
RT: 13.403 min Scan# 1705
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:172 Resp: 57324
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.2 18.0 27.0

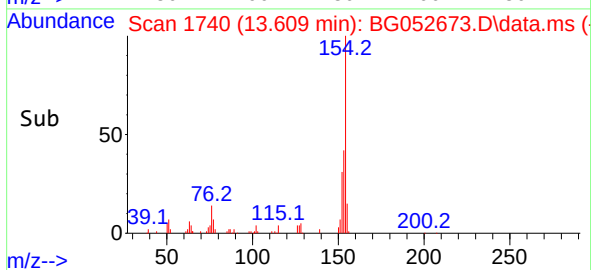
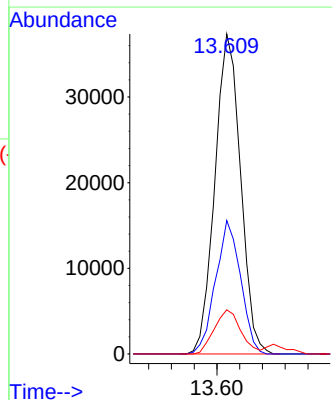
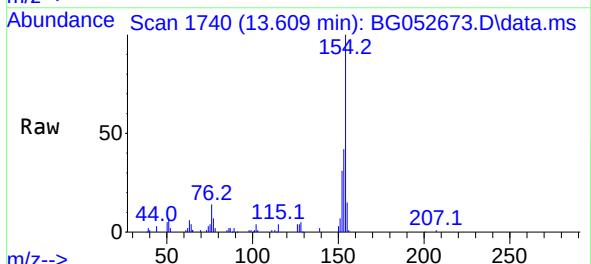
Manual Integrations
APPROVED

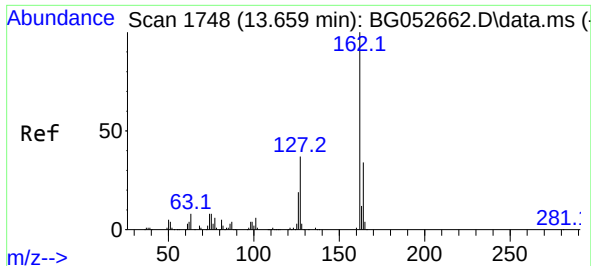
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#46
1,1'-Biphenyl
Concen: 8.034 ng
RT: 13.609 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

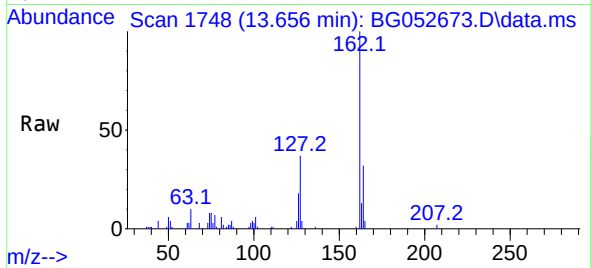
Tgt Ion:154 Resp: 58482
Ion Ratio Lower Upper
154 100
153 41.7 21.6 61.6
76 13.8 0.0 31.5





#47
2-Chloronaphthalene
Concen: 7.770 ng
RT: 13.656 min Scan# 1779
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

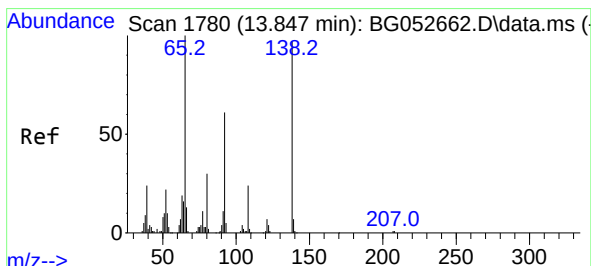
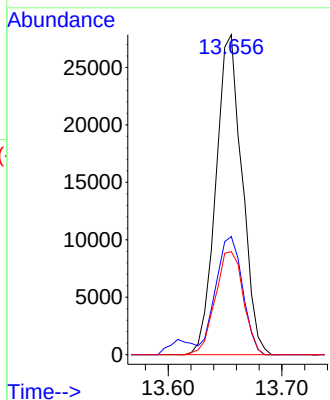
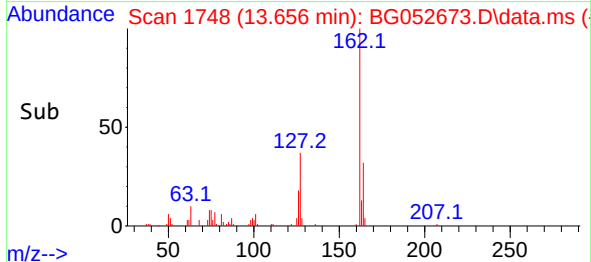
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



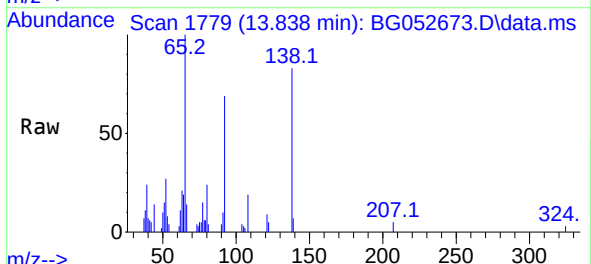
Tgt Ion:162 Resp: 4454
Ion Ratio Lower Upper
162 100
127 36.9 28.1 42.1
164 32.2 26.0 39.0

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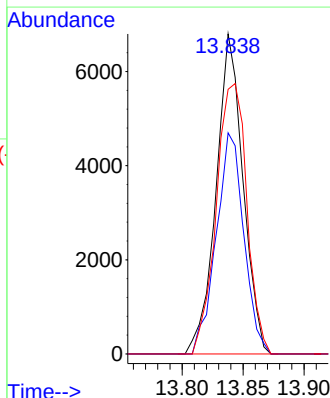
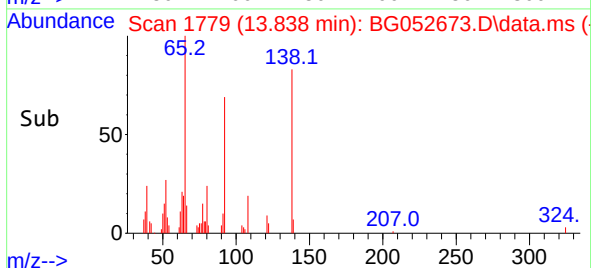
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

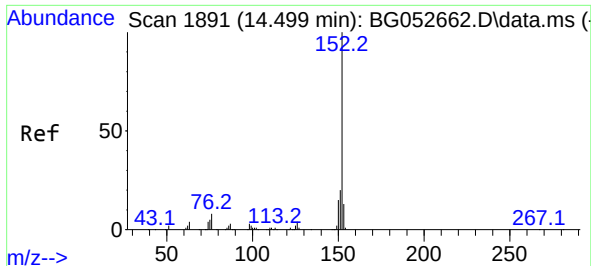


#48
2-Nitroaniline
Concen: 6.653 ng
RT: 13.838 min Scan# 1779
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



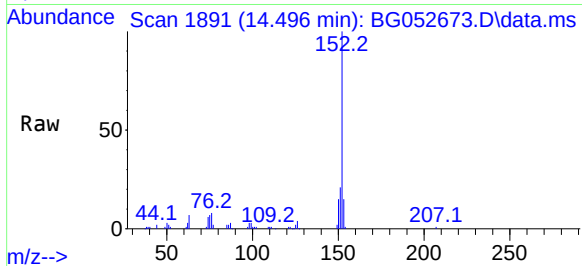
Tgt Ion: 65 Resp: 10431
Ion Ratio Lower Upper
65 100
92 69.1 52.1 78.1
138 82.7 80.1 120.1





#49
Acenaphthylene
Concen: 8.174 ng
RT: 14.496 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

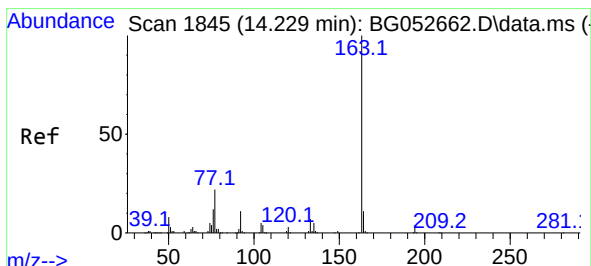
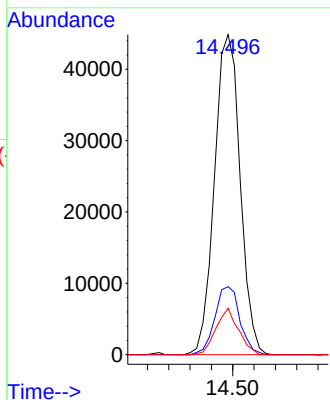
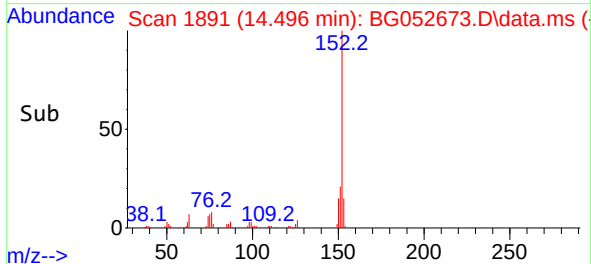
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



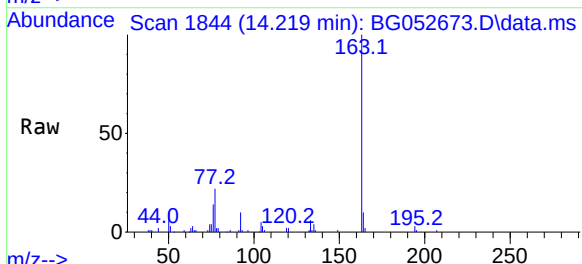
Tgt Ion:152 Resp: 74700
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.6
153 14.5 10.6 15.8

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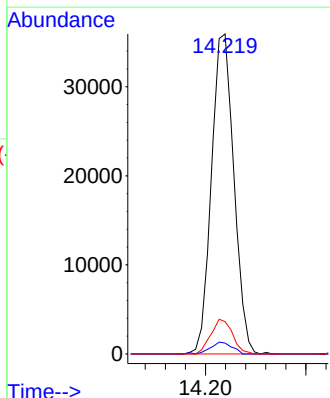
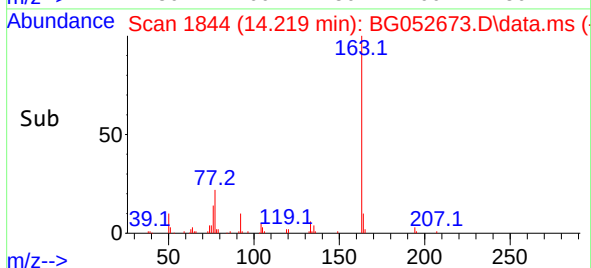
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

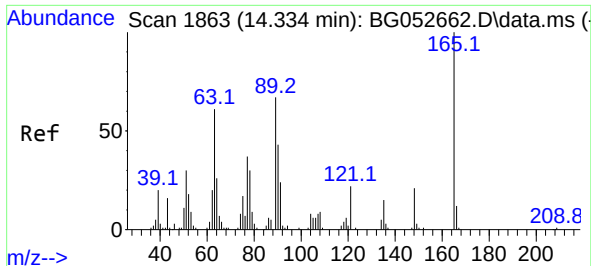


#50
Dimethylphthalate
Concen: 7.202 ng
RT: 14.219 min Scan# 1844
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



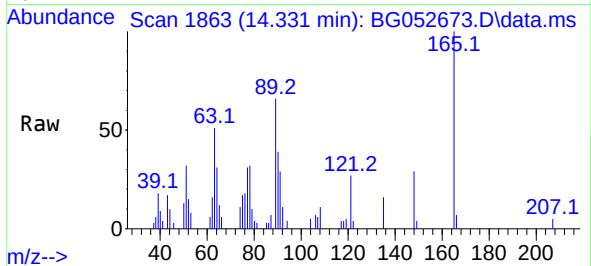
Tgt Ion:163 Resp: 55719
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 10.1 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 7.024 ng
RT: 14.331 min Scan# 1863
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

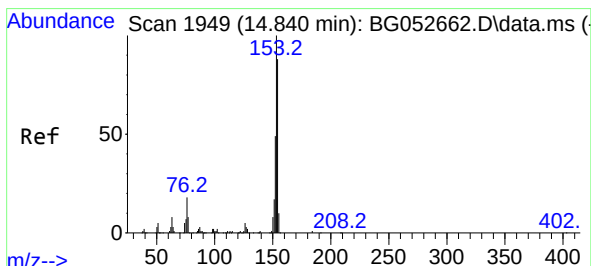
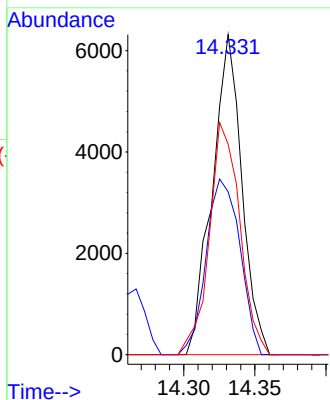
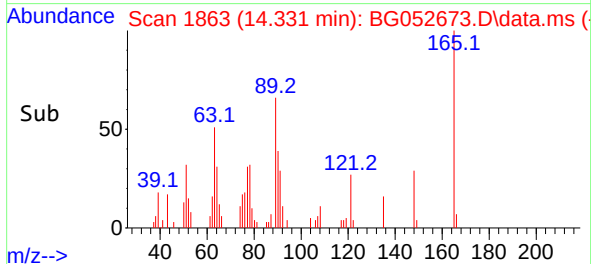
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



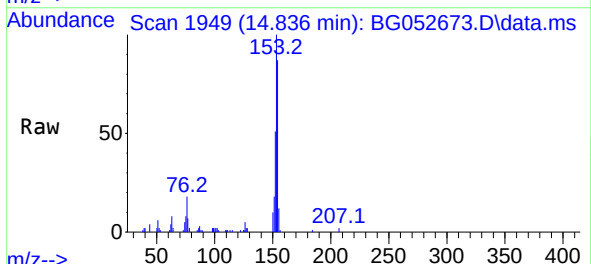
Tgt Ion:165 Resp: 917
Ion Ratio Lower Upper
165 100
63 50.9 43.7 65.5
89 65.8 45.0 67.4

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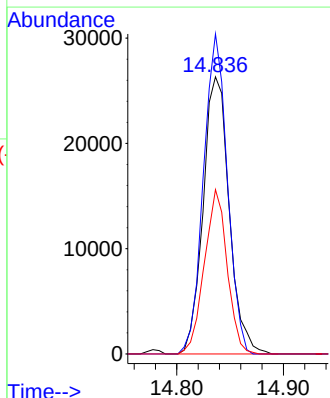
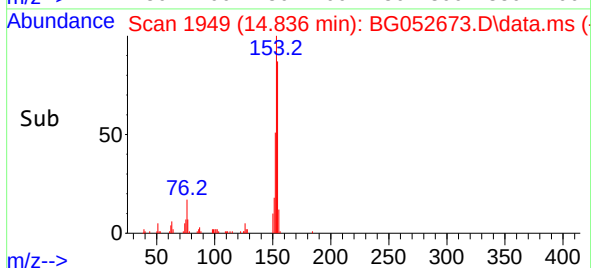
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

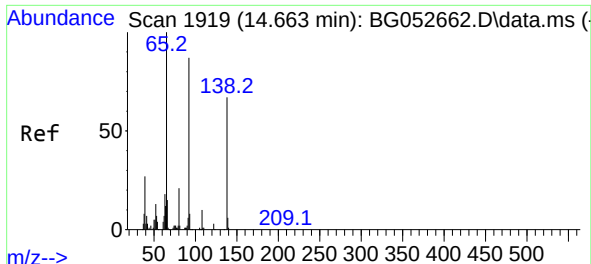


#52
Acenaphthene
Concen: 7.646 ng
RT: 14.836 min Scan# 1949
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:154 Resp: 44764
Ion Ratio Lower Upper
154 100
153 115.5 89.0 133.4
152 59.3 40.5 60.7





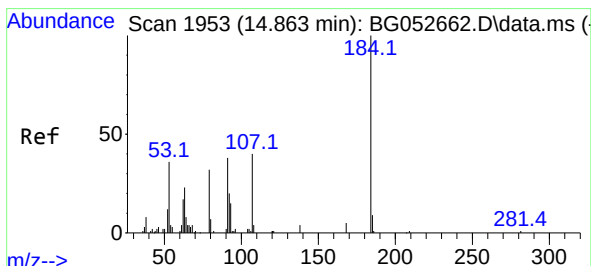
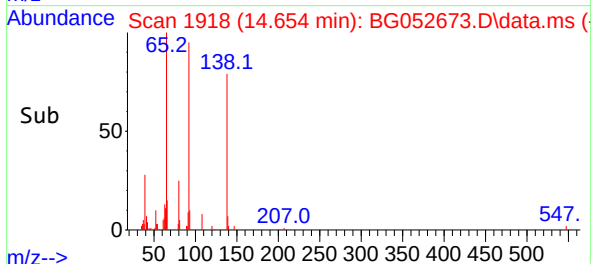
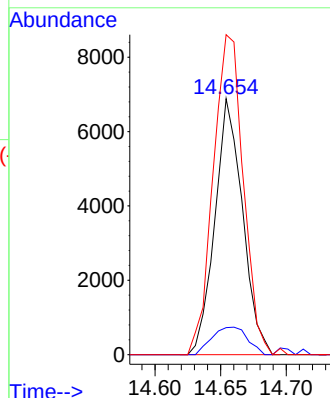
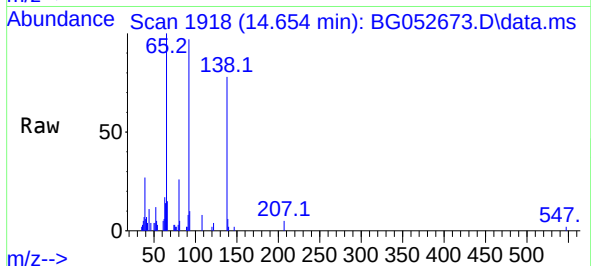
#53
3-Nitroaniline
Concen: 6.606 ng
RT: 14.654 min Scan# 1918
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:138 Resp: 10090
Ion Ratio Lower Upper
138 100
108 10.5 8.0 12.0
92 125.0 96.2 144.2

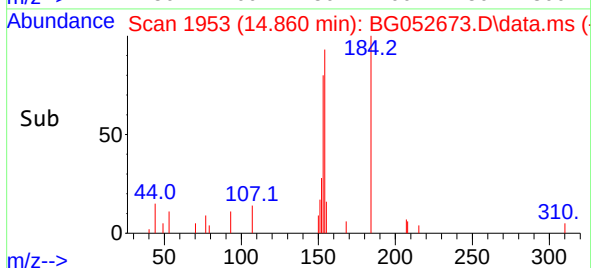
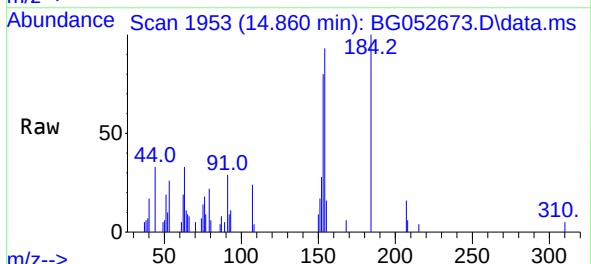
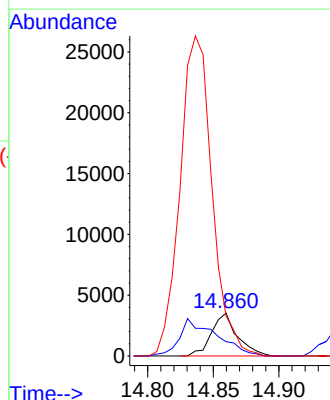
Manual Integrations
APPROVED

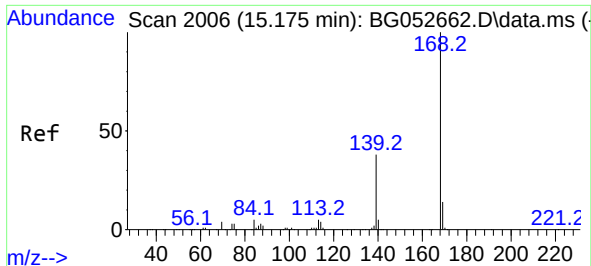
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#54
2,4-Dinitrophenol
Concen: 6.764 ng
RT: 14.860 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:184 Resp: 4816
Ion Ratio Lower Upper
184 100
63 33.2 51.8 77.6#
154 92.9 47.8 71.6#





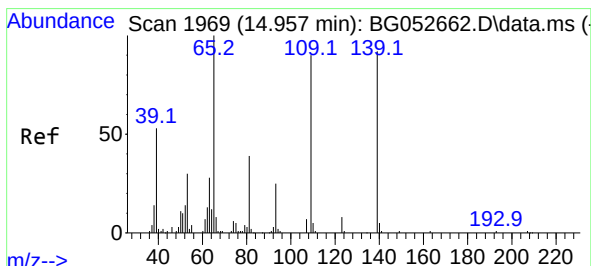
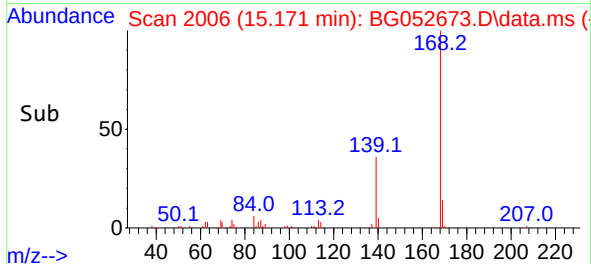
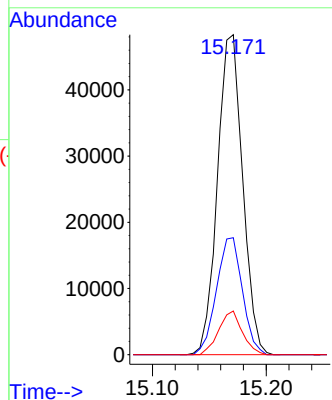
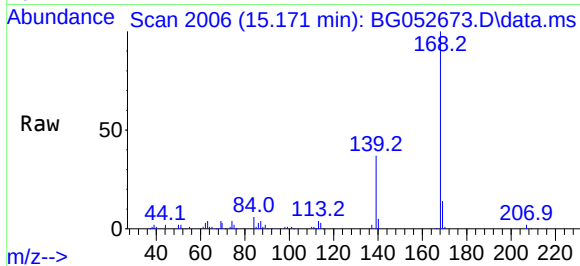
#55
Dibenzofuran
Concen: 7.767 ng
RT: 15.171 min Scan# 2006
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:168 Resp: 74260
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.4
169 13.7 10.7 16.1

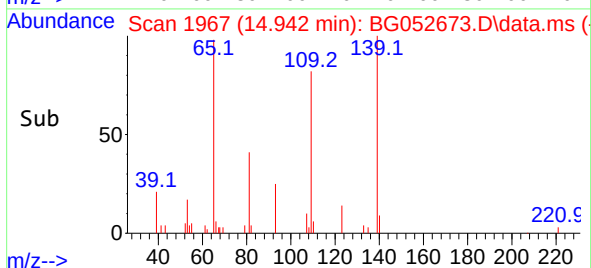
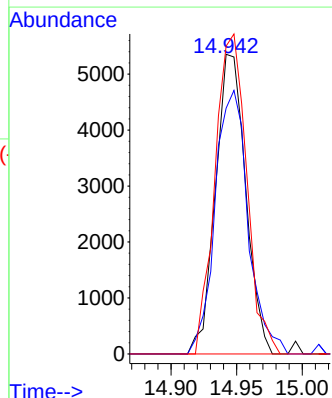
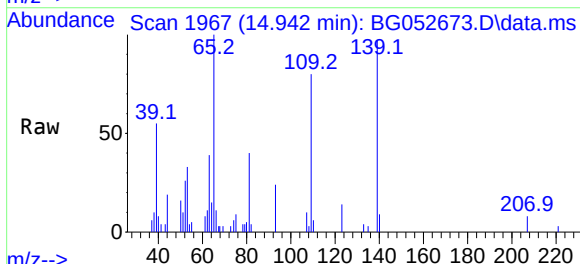
Manual Integrations
APPROVED

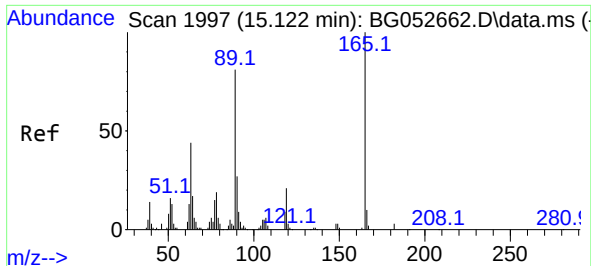
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#56
4-Nitrophenol
Concen: 6.890 ng
RT: 14.942 min Scan# 1967
Delta R.T. -0.015 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

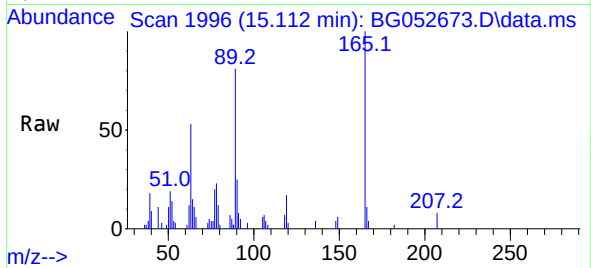
Tgt Ion:139 Resp: 8590
Ion Ratio Lower Upper
139 100
109 82.0 67.1 107.1
65 102.7 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 6.751 ng
RT: 15.112 min Scan# 1996
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

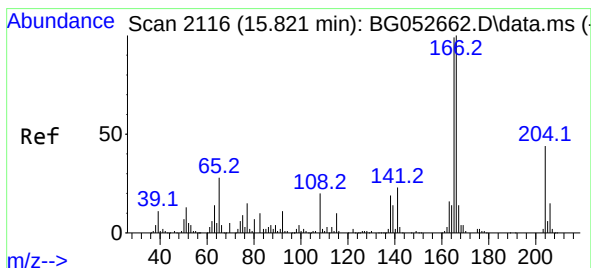
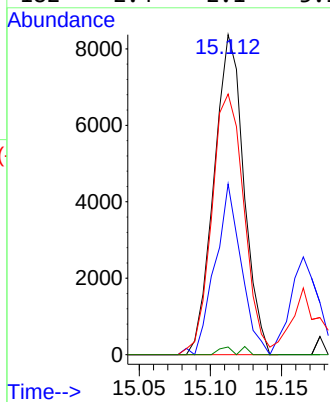
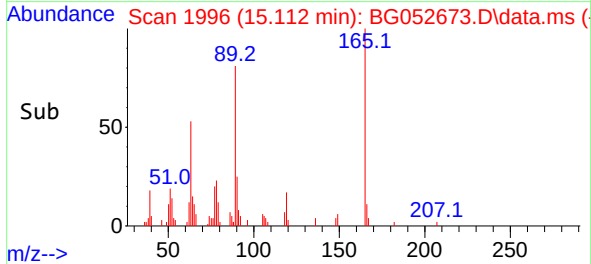
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



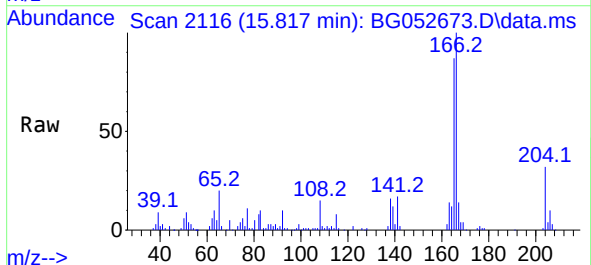
Tgt Ion:165 Resp: 12234
Ion Ratio Lower Upper
165 100
63 53.4 34.8 52.2
89 81.4 57.4 86.0
182 2.4 2.1 3.1

Manual Integrations
APPROVED

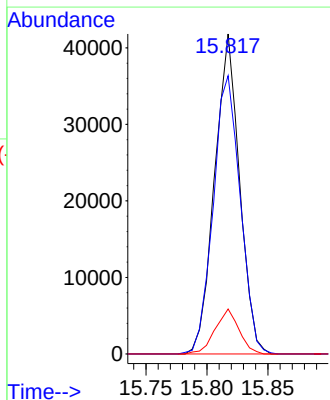
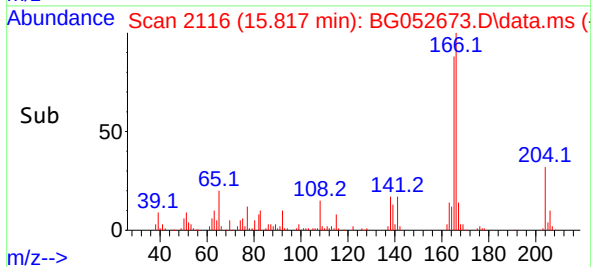
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

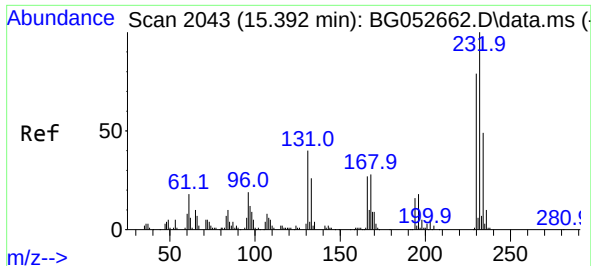


#58
Fluorene
Concen: 7.634 ng
RT: 15.817 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



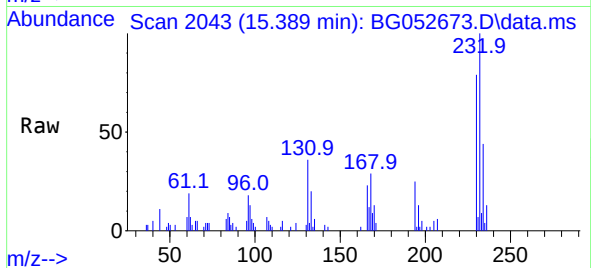
Tgt Ion:166 Resp: 59495
Ion Ratio Lower Upper
166 100
165 87.0 78.6 117.8
167 14.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.116 ng
RT: 15.389 min Scan# 2043
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

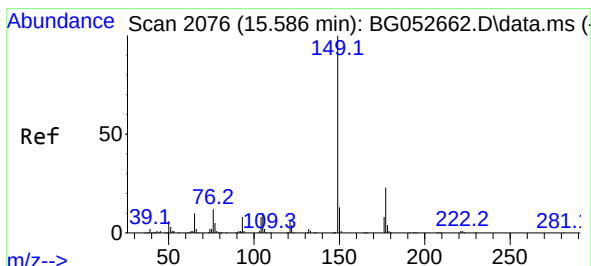
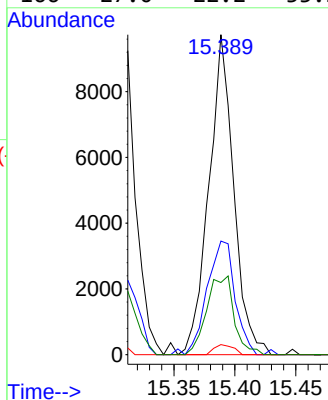
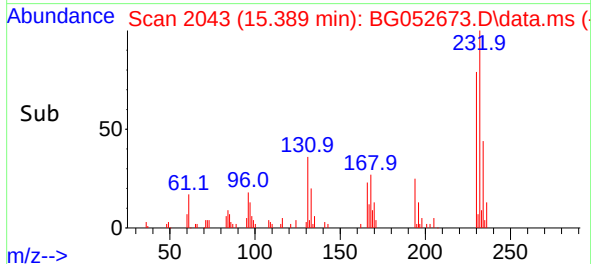
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



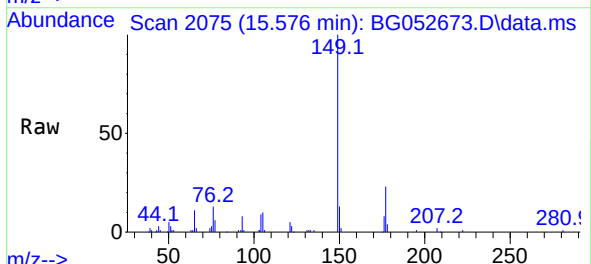
Tgt Ion:232 Resp: 13818
Ion Ratio Lower Upper
232 100
131 39.9 30.1 45.1
130 2.4 1.8 2.8
166 27.0 22.2 33.2

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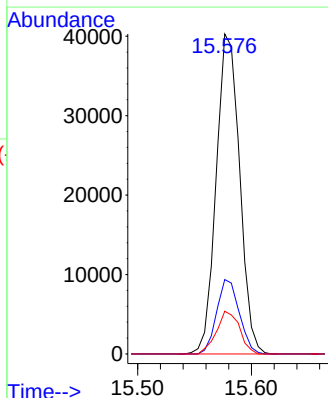
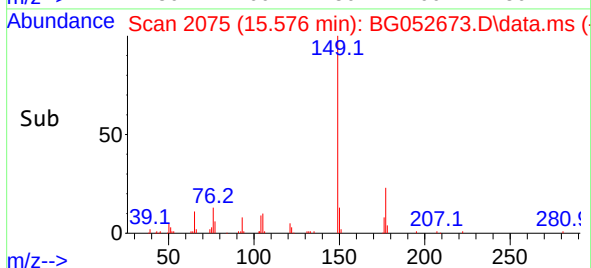
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

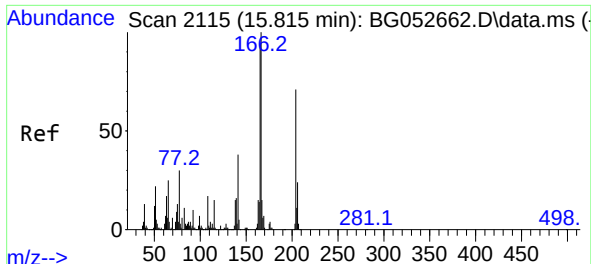


#60
Diethylphthalate
Concen: 7.062 ng
RT: 15.576 min Scan# 2075
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



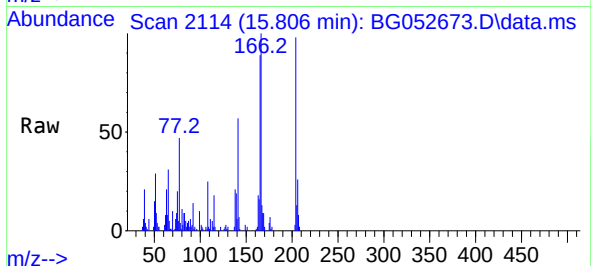
Tgt Ion:149 Resp: 57668
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.2
150 13.4 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.239 ng
RT: 15.806 min Scan# 2111
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

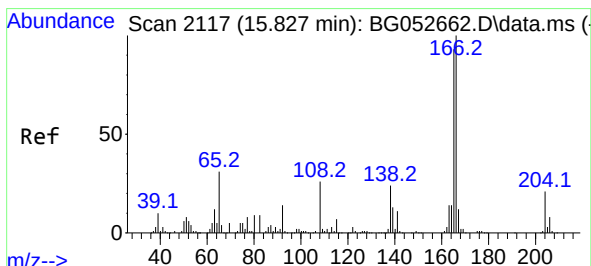
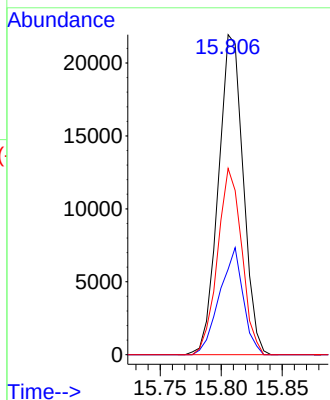
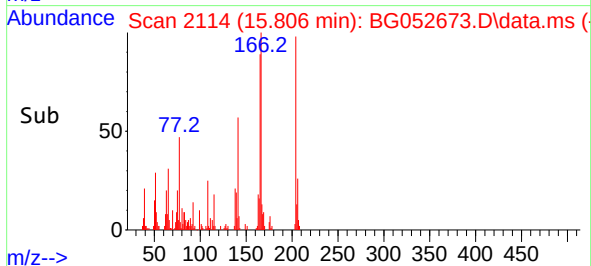
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



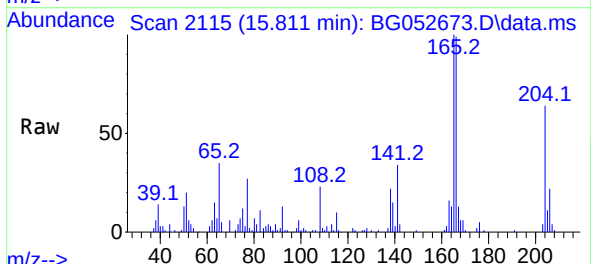
Tgt Ion:204 Resp: 3111
Ion Ratio Lower Upper
204 100
206 26.7 28.3 42.5
141 58.2 45.8 68.8

Manual Integrations
APPROVED

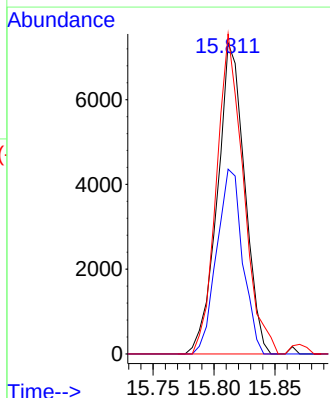
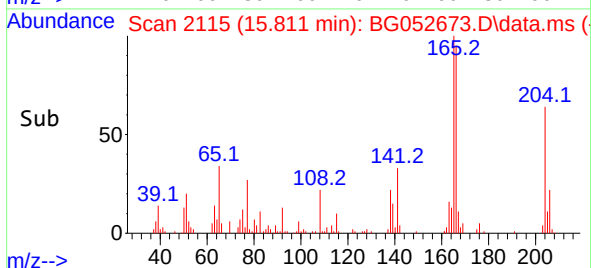
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

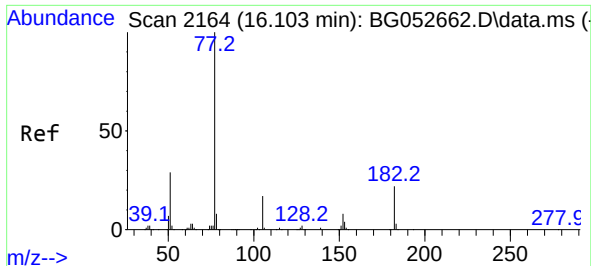


#62
4-Nitroaniline
Concen: 7.068 ng
RT: 15.811 min Scan# 2115
Delta R.T. -0.015 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



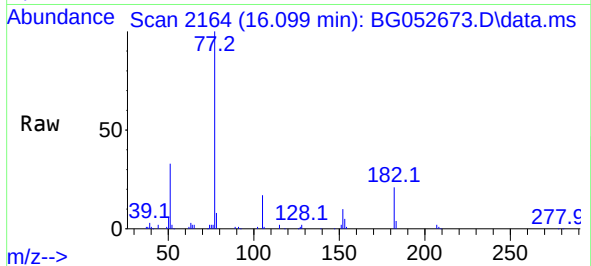
Tgt Ion:138 Resp: 11415
Ion Ratio Lower Upper
138 100
92 59.4 33.3 73.3
108 102.9 74.2 114.2





#63
Azobenzene
Concen: 7.236 ng
RT: 16.099 min Scan# 2164
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

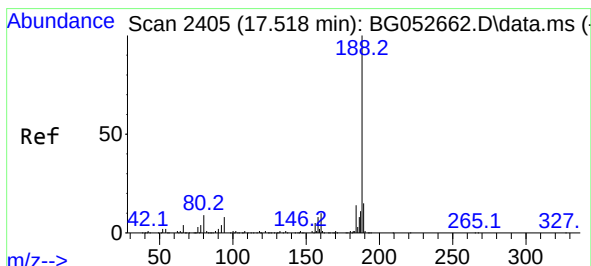
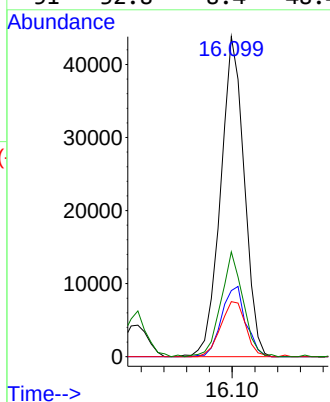
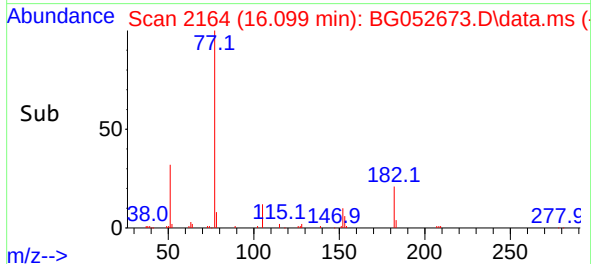
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 77 Resp: 63160
Ion Ratio Lower Upper
77 100
182 20.7 5.6 45.6
105 17.2 0.0 38.8
51 32.8 8.4 48.4

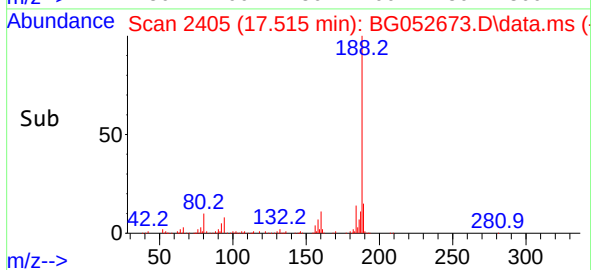
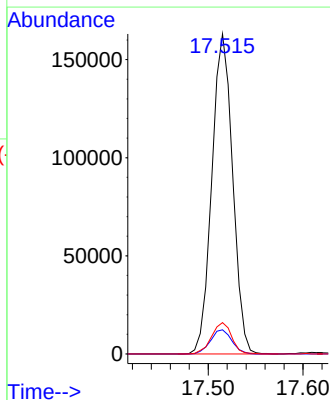
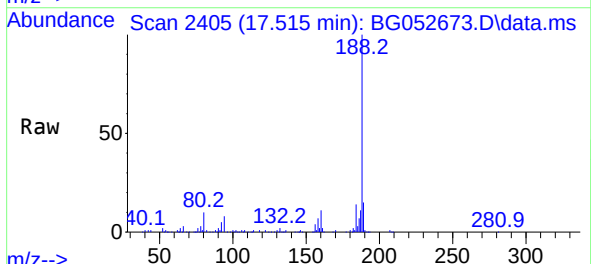
Manual Integrations
APPROVED

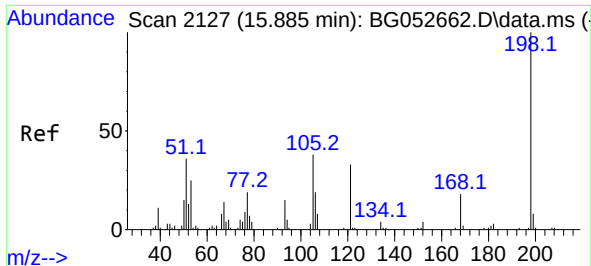
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.515 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:188 Resp: 248232
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 9.8 7.2 10.8





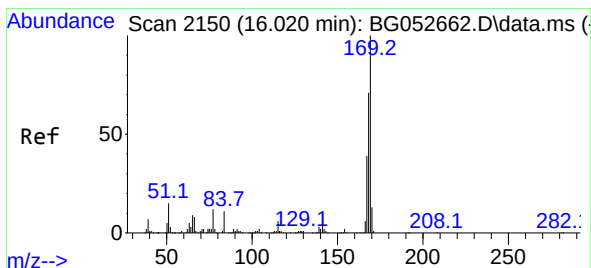
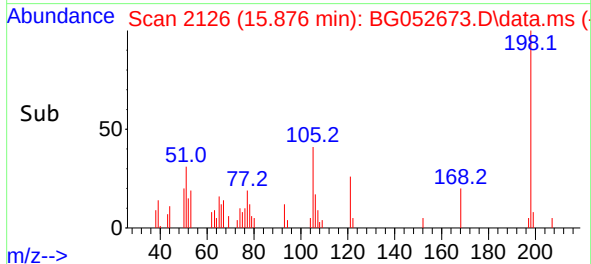
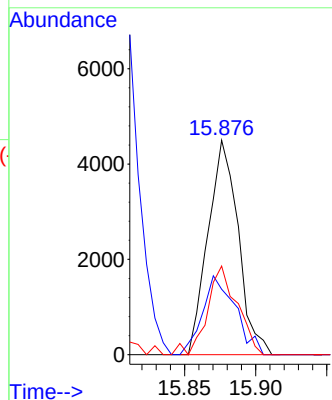
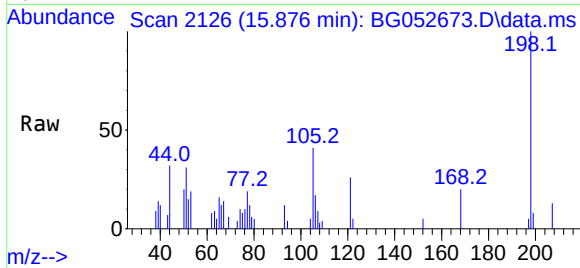
#65
4,6-Dinitro-2-methylphenol
Concen: 6.004 ng
RT: 15.876 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:198 Resp: 664
Ion Ratio Lower Upper
198 100
51 30.5 21.7 61.7
105 41.3 20.8 60.8

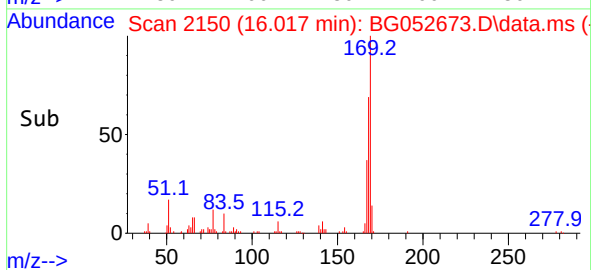
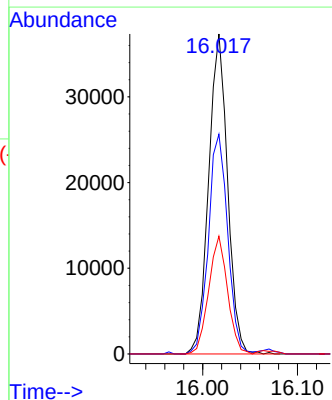
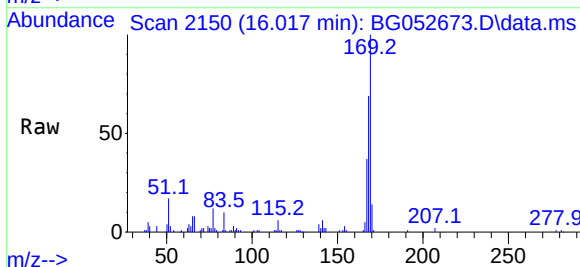
Manual Integrations
APPROVED

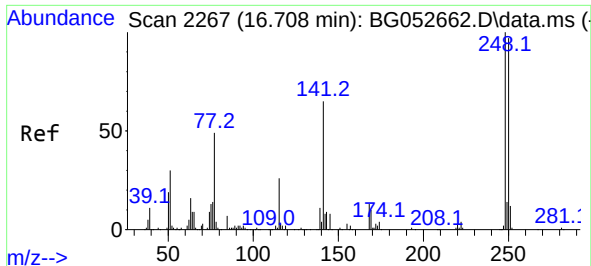
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 7.395 ng
RT: 16.017 min Scan# 2150
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:169 Resp: 51678
Ion Ratio Lower Upper
169 100
168 68.7 54.5 81.7
167 36.8 29.6 44.4





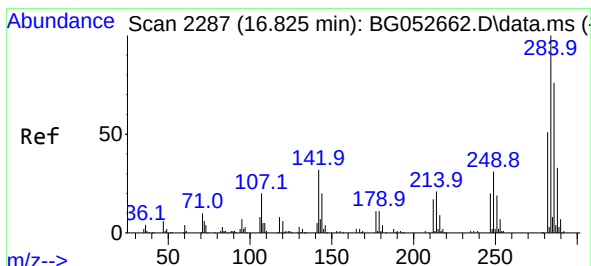
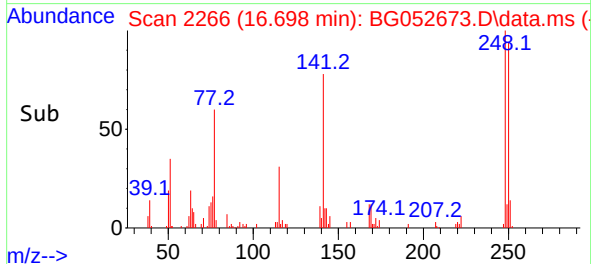
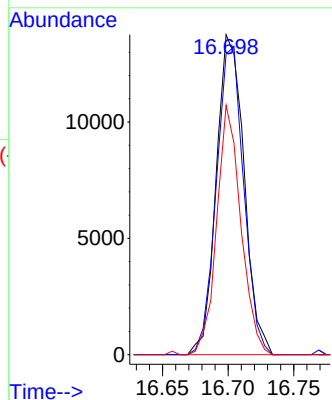
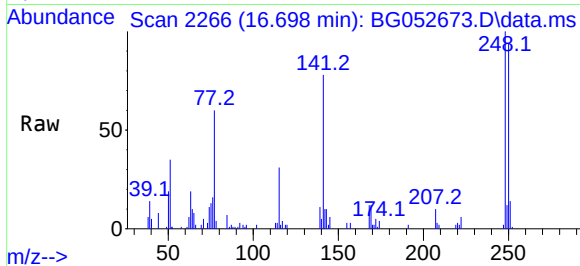
#67
4-Bromophenyl-phenylether
Concen: 6.749 ng
RT: 16.698 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:248 Resp: 2019
Ion Ratio Lower Upper
248 100
250 93.9 77.9 116.9
141 77.9 49.2 73.8

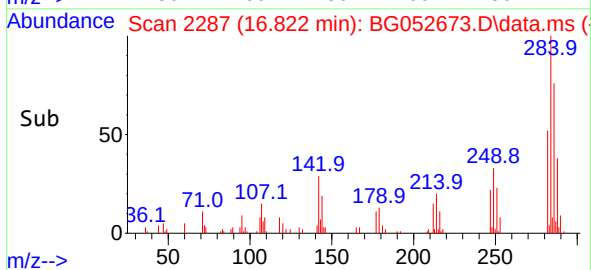
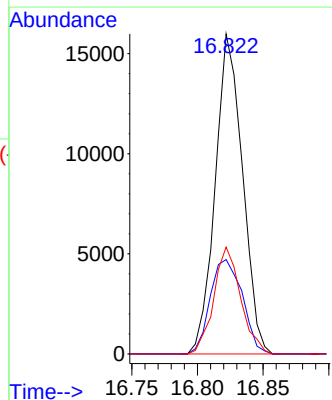
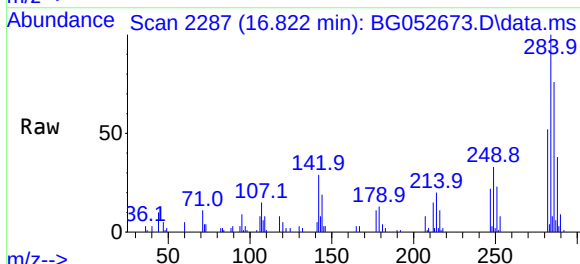
Manual Integrations
APPROVED

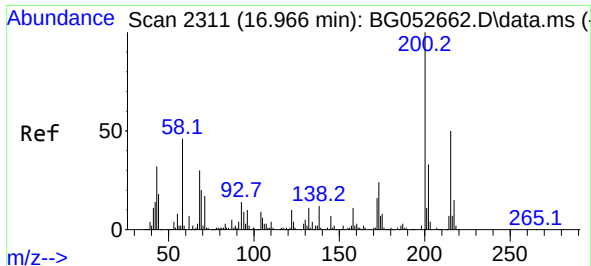
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#68
Hexachlorobenzene
Concen: 7.178 ng
RT: 16.822 min Scan# 2287
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

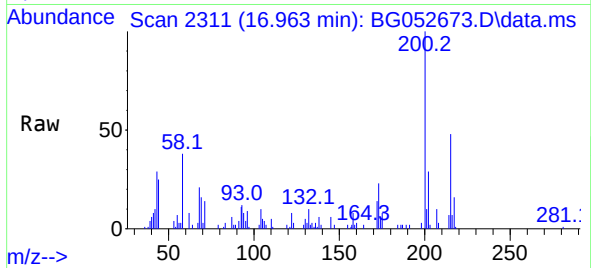
Tgt Ion:284 Resp: 23089
Ion Ratio Lower Upper
284 100
142 29.5 21.0 31.4
249 33.4 22.7 34.1





#69
Atrazine
Concen: 7.673 ng
RT: 16.963 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

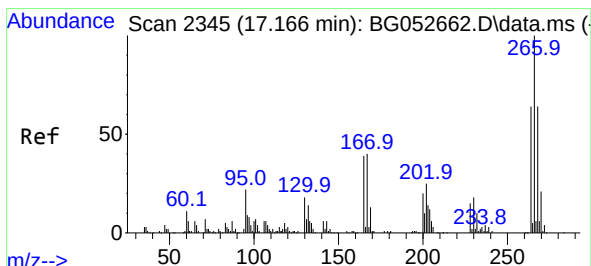
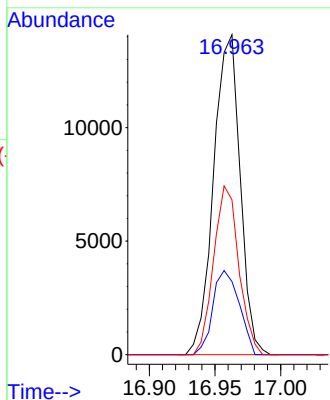
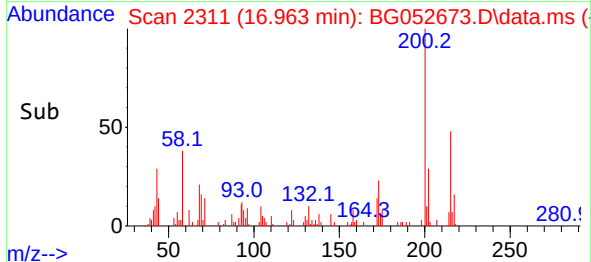
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



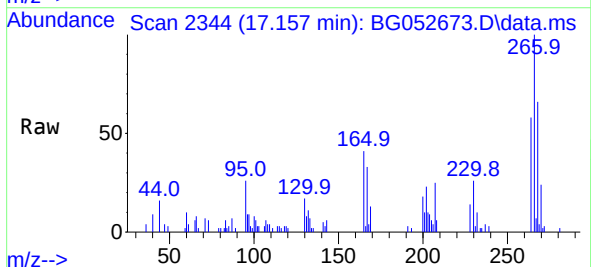
Tgt Ion:200 Resp: 1977
Ion Ratio Lower Upper
200 100
173 22.8 3.8 43.8
215 48.4 26.3 66.3

Manual Integrations
APPROVED

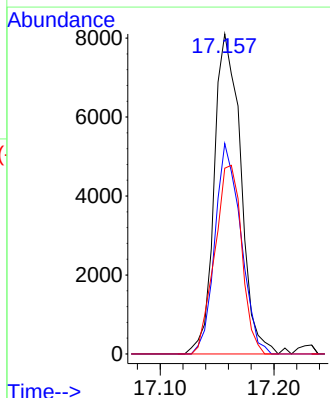
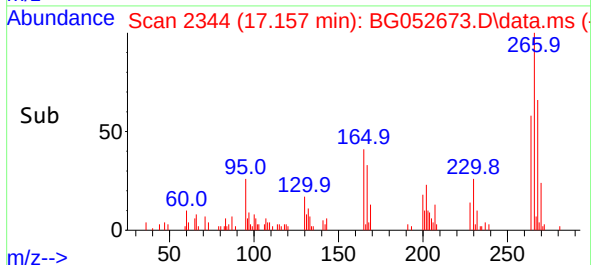
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

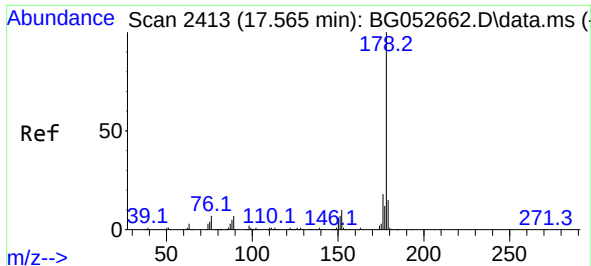


#70
Pentachlorophenol
Concen: 6.560 ng
RT: 17.157 min Scan# 2344
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:266 Resp: 13091
Ion Ratio Lower Upper
266 100
268 65.7 45.9 68.9
264 58.1 45.3 67.9





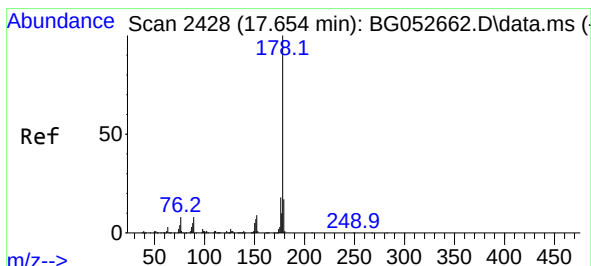
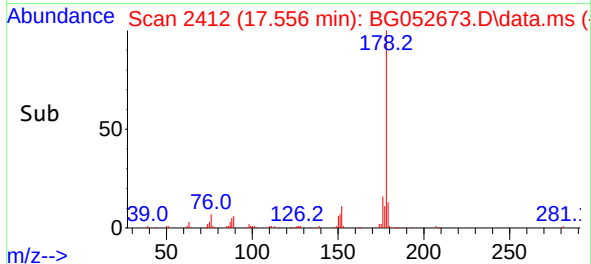
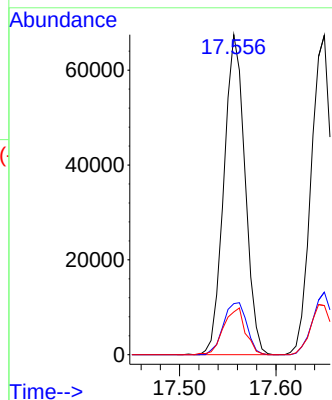
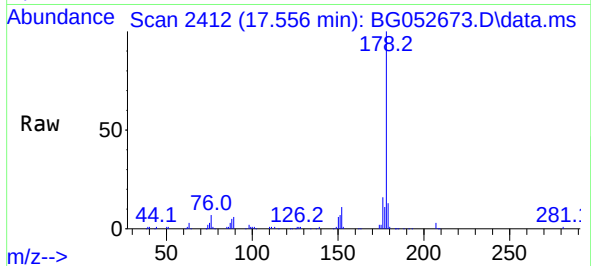
#71
Phenanthrene
Concen: 7.731 ng m
RT: 17.556 min Scan# 2413
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:178 Resp: 102672
Ion Ratio Lower Upper
178 100
176 16.0 15.9 23.9
179 13.4 13.4 20.2

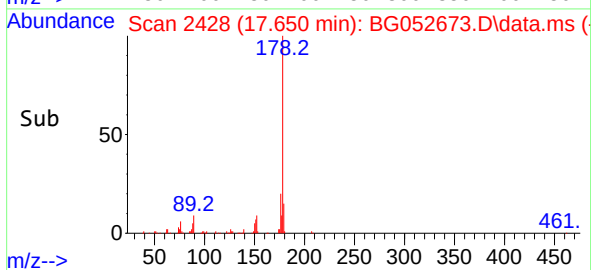
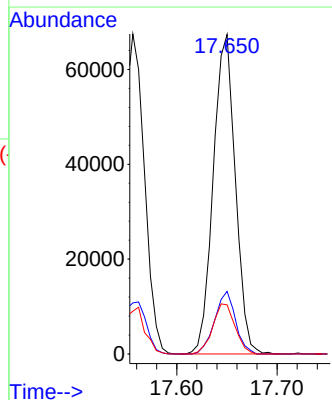
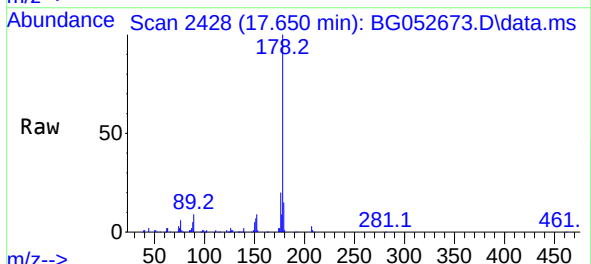
Manual Integrations
APPROVED

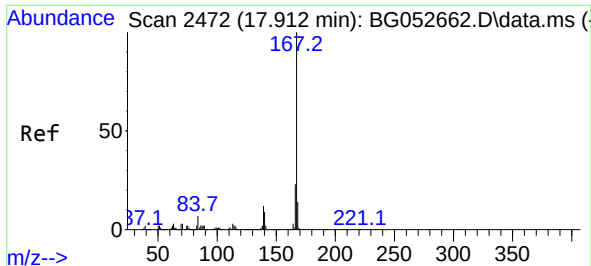
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#72
Anthracene
Concen: 7.841 ng
RT: 17.650 min Scan# 2428
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

Tgt Ion:178 Resp: 102936
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 15.4 13.2 19.8





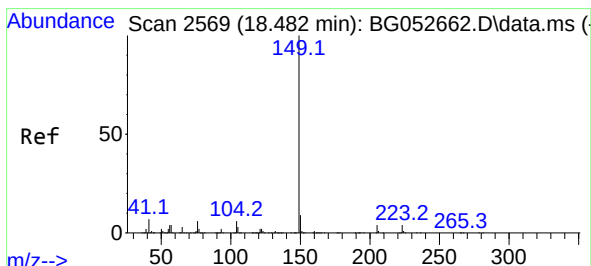
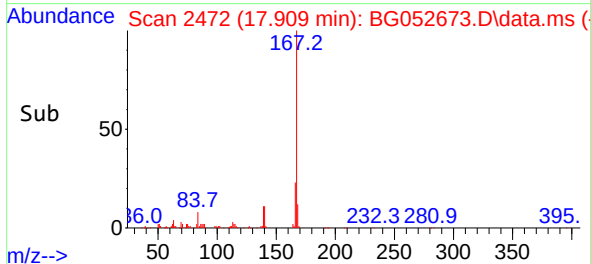
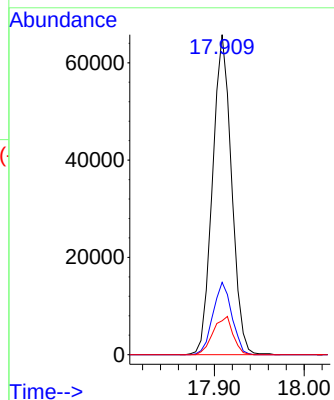
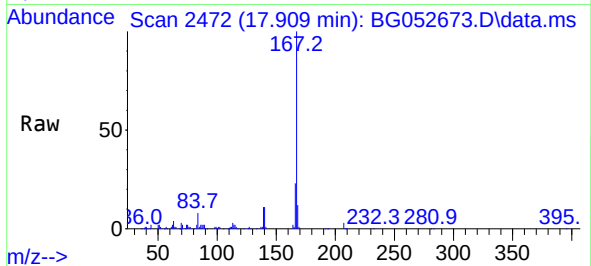
#73
 Carbazole
 Concen: 7.438 ng
 RT: 17.909 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23

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

Tgt Ion:167 Resp: 96709
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.5 27.7
 139 10.6 10.0 15.0

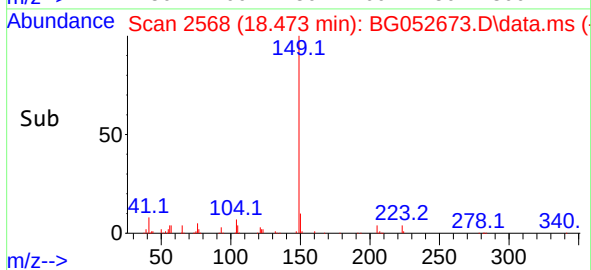
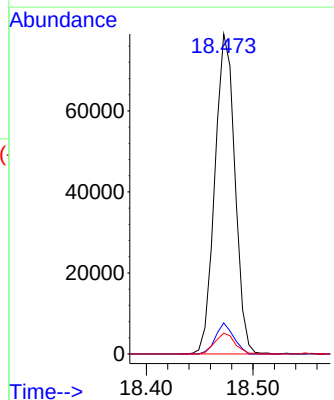
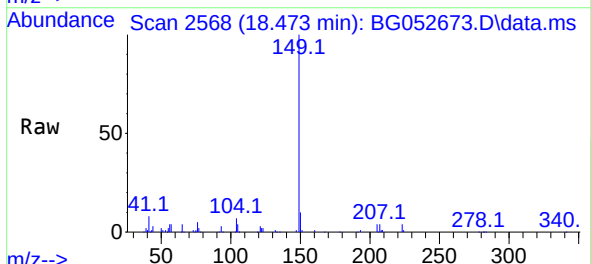
Manual Integrations
 APPROVED

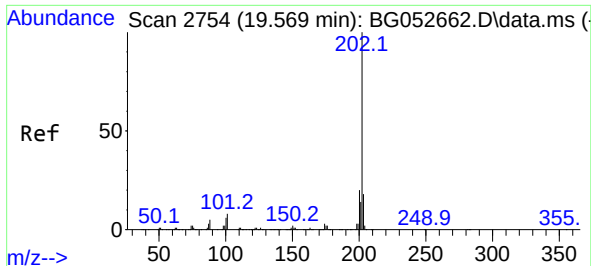
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#74
 Di-n-butylphthalate
 Concen: 7.259 ng
 RT: 18.473 min Scan# 2568
 Delta R.T. -0.009 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23

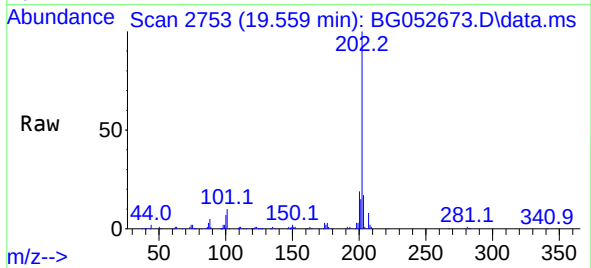
Tgt Ion:149 Resp: 103103
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.0 10.6
 104 6.5 4.6 7.0





#75
Fluoranthene
Concen: 7.938 ng
RT: 19.559 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

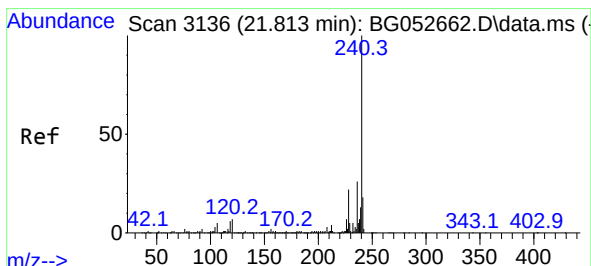
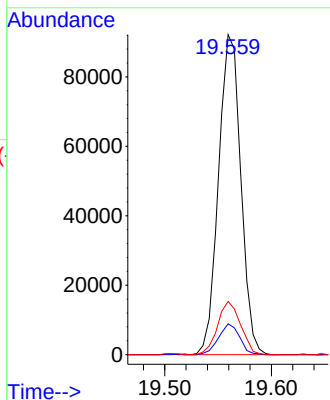
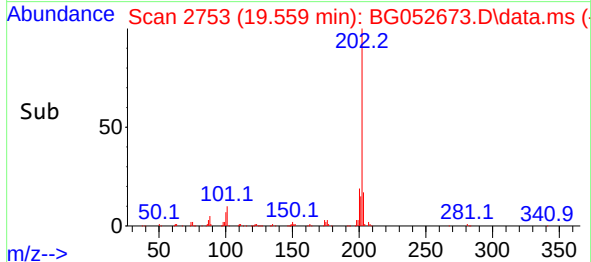
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



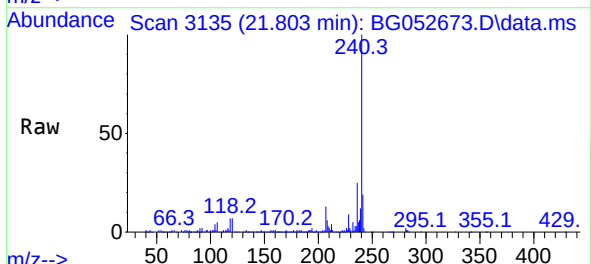
Tgt Ion:202 Resp: 13380
Ion Ratio Lower Upper
202 100
101 9.6 0.0 27.3
203 16.7 0.0 37.7

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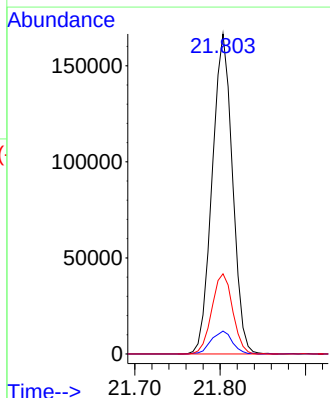
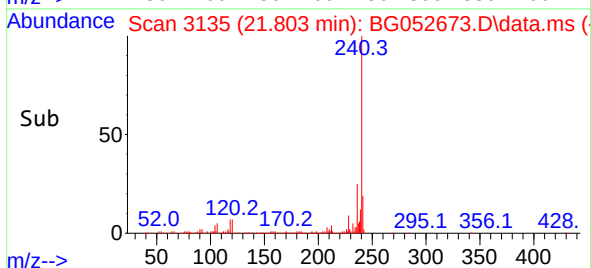
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

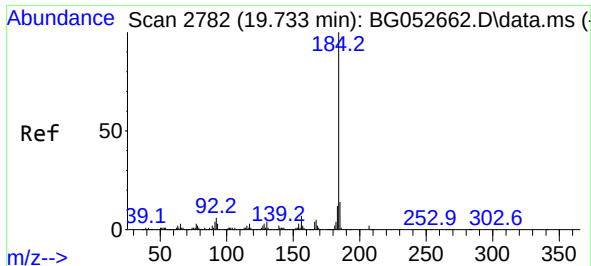


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.803 min Scan# 3135
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:240 Resp: 274695
Ion Ratio Lower Upper
240 100
120 7.2 5.4 8.0
236 25.1 19.8 29.6





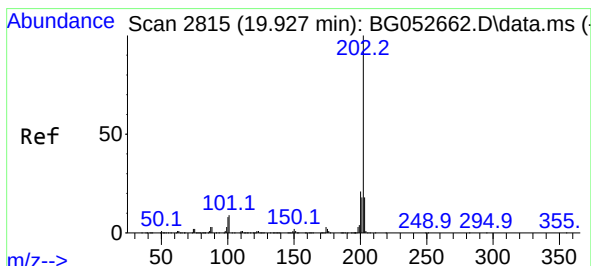
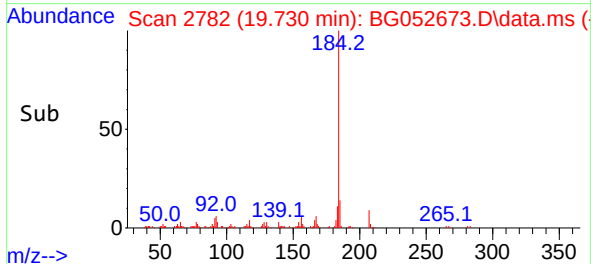
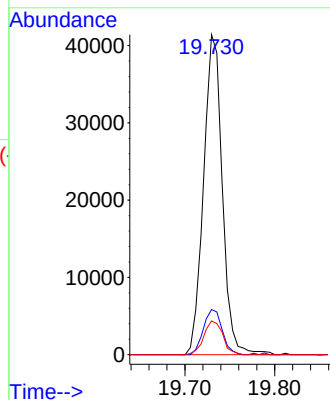
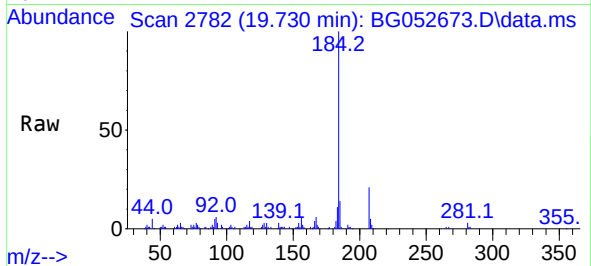
#77
Benzidine
Concen: 8.476 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:184 Resp: 6005
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 10.6 9.4 14.2

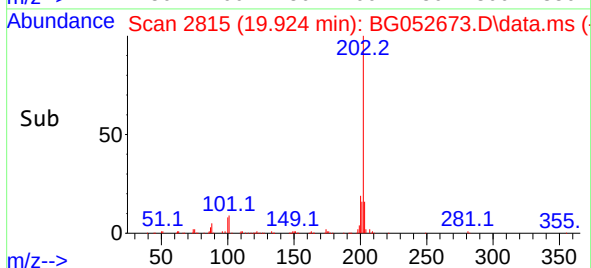
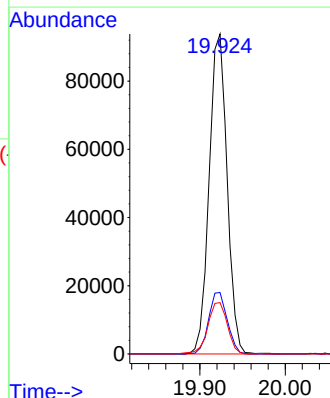
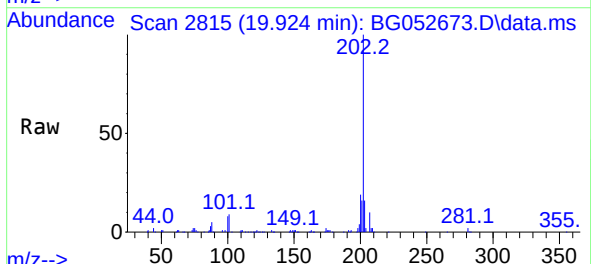
Manual Integrations
APPROVED

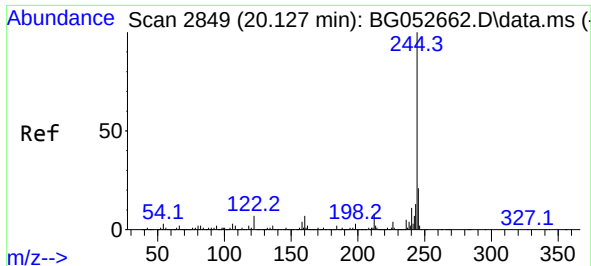
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#78
Pyrene
Concen: 7.191 ng
RT: 19.924 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

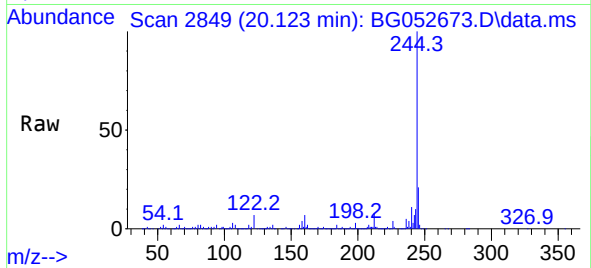
Tgt Ion:202 Resp: 137020
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.6
203 16.1 15.0 22.6





#79
 Terphenyl-d14
 Concen: 76.482 ng
 RT: 20.123 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23

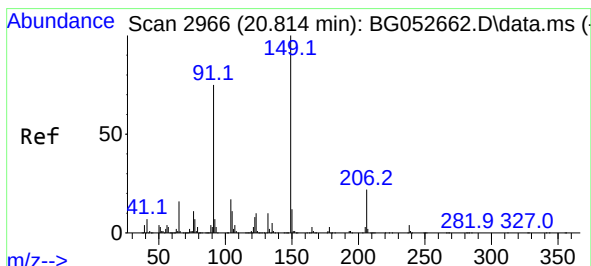
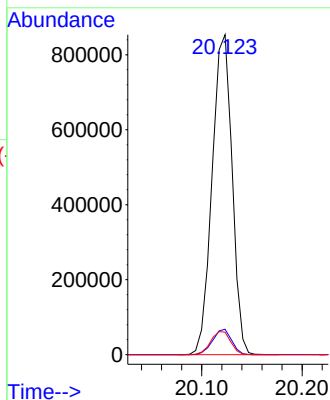
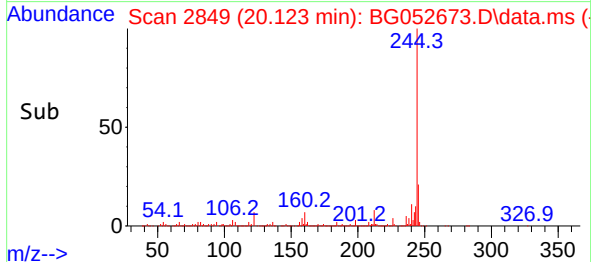
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



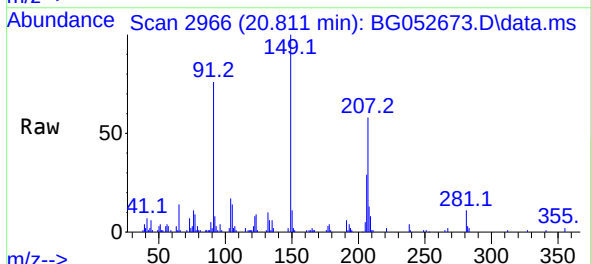
Tgt Ion:244 Resp: 118105
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 7.1 5.8 8.6

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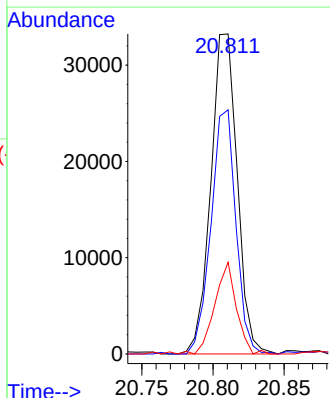
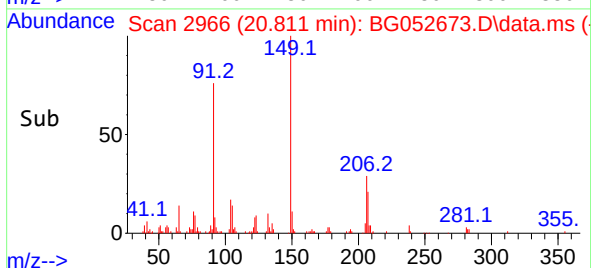
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

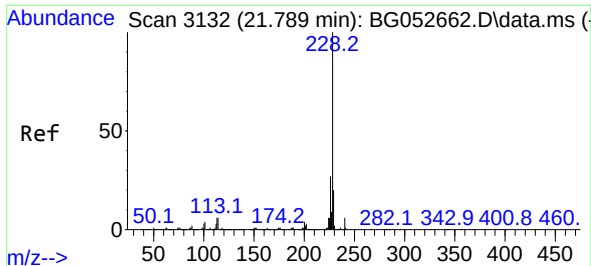


#80
 Butylbenzylphthalate
 Concen: 6.354 ng
 RT: 20.811 min Scan# 2966
 Delta R.T. -0.003 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23



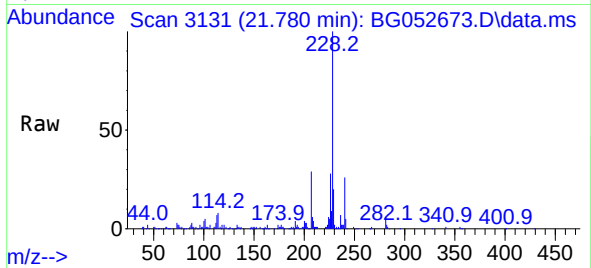
Tgt Ion:149 Resp: 42951
 Ion Ratio Lower Upper
 149 100
 91 76.3 60.2 90.4
 206 28.7 19.4 29.2





#81
Benzo(a)anthracene
Concen: 7.477 ng
RT: 21.780 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

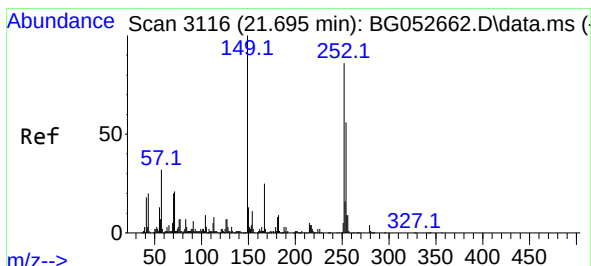
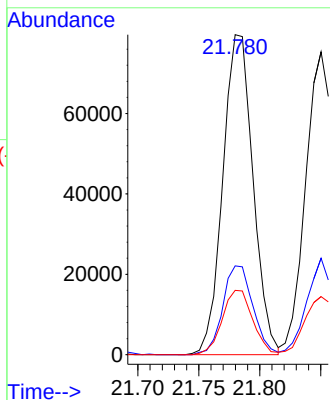
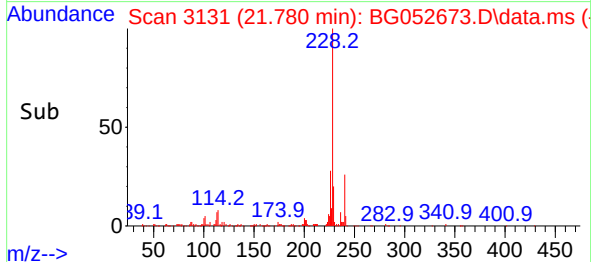
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:228 Resp: 137524
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 20.1 16.7 25.1

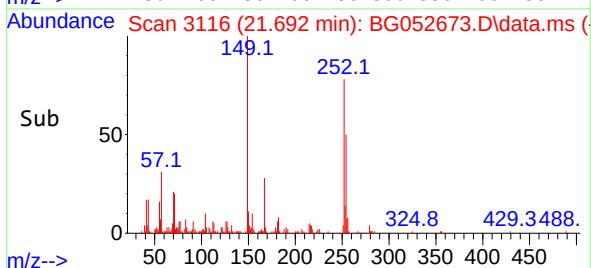
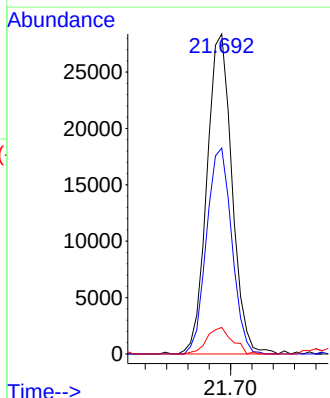
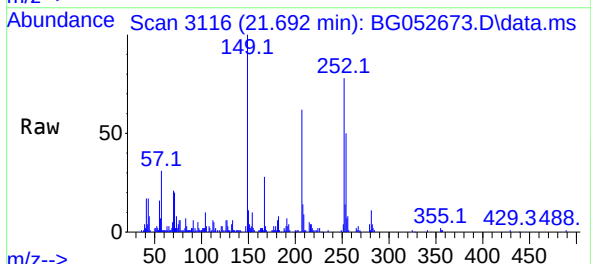
Manual Integrations
APPROVED

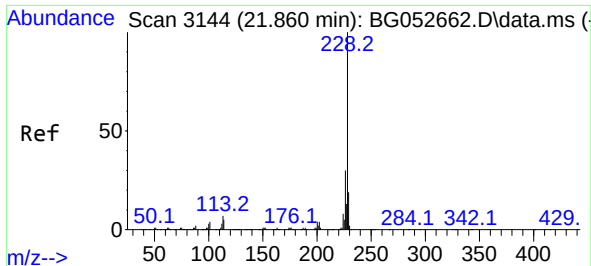
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 7.130 ng
RT: 21.692 min Scan# 3116
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

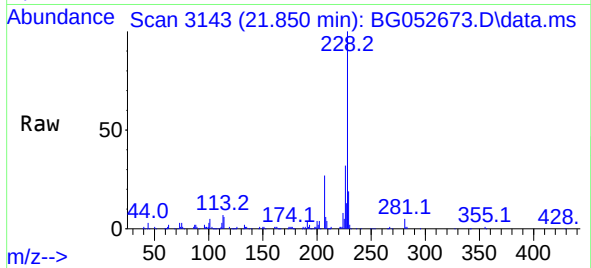
Tgt Ion:252 Resp: 46312
Ion Ratio Lower Upper
252 100
254 64.4 51.2 76.8
126 8.3 5.8 8.8





#83
Chrysene
Concen: 7.402 ng
RT: 21.850 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

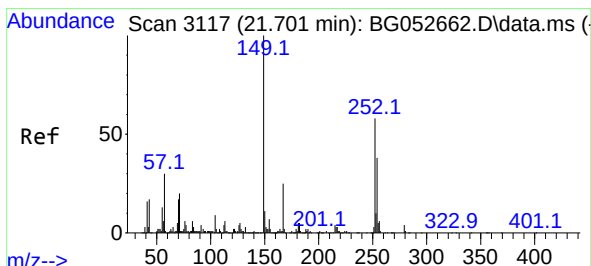
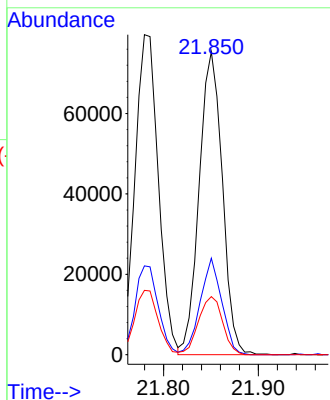
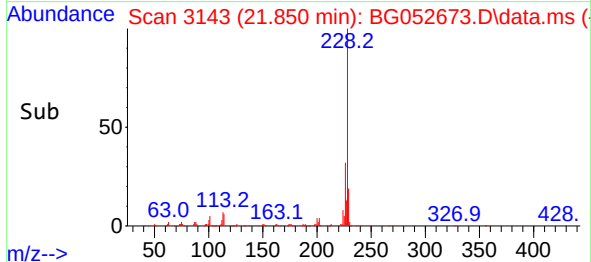
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:228 Resp: 127993
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.4
229 19.2 16.3 24.5

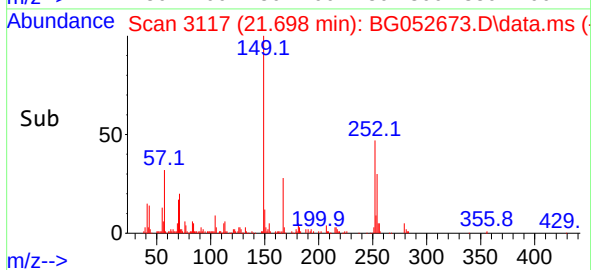
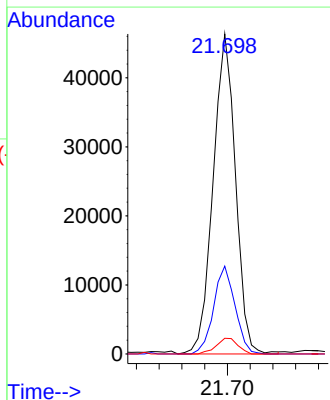
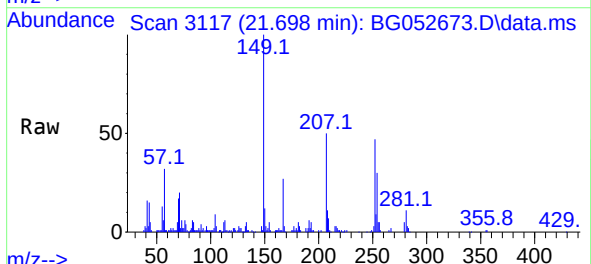
Manual Integrations
APPROVED

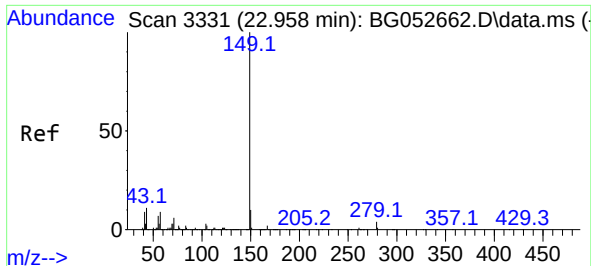
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.890 ng
RT: 21.698 min Scan# 3117
Delta R.T. -0.003 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

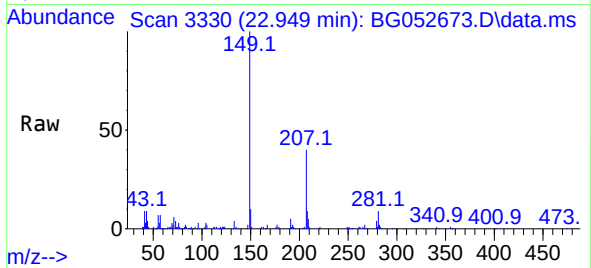
Tgt Ion:149 Resp: 63337
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.2
279 4.9 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 6.551 ng
RT: 22.949 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

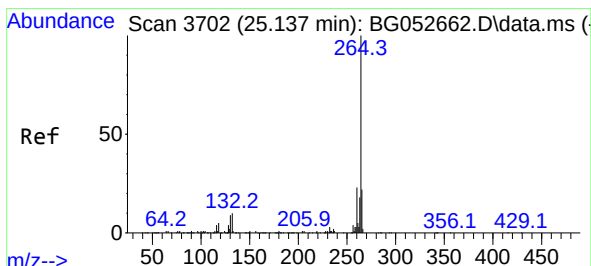
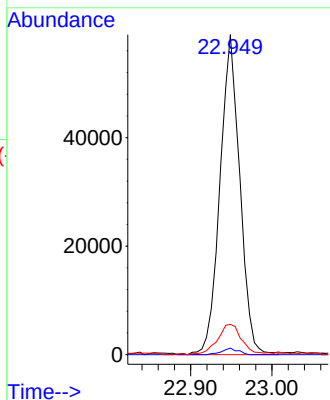
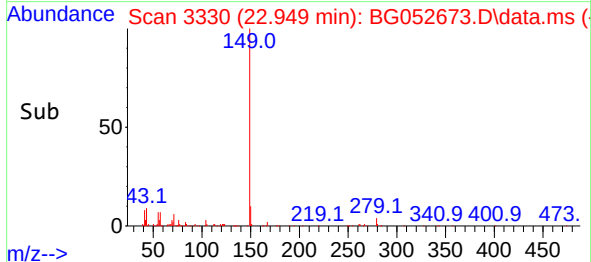
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:149 Resp: 10024
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.6 7.6 11.4

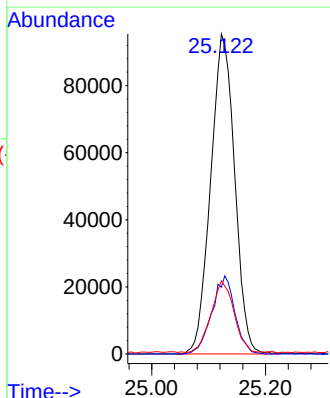
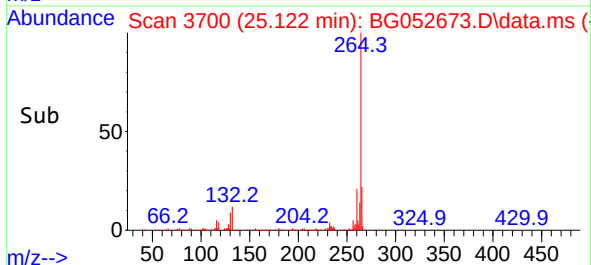
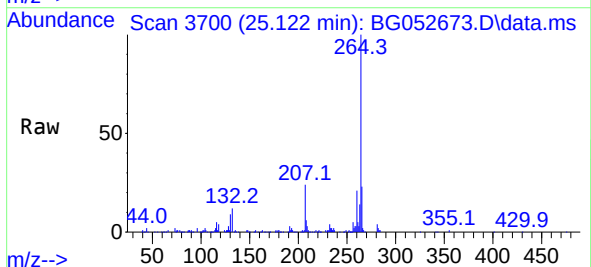
Manual Integrations
APPROVED

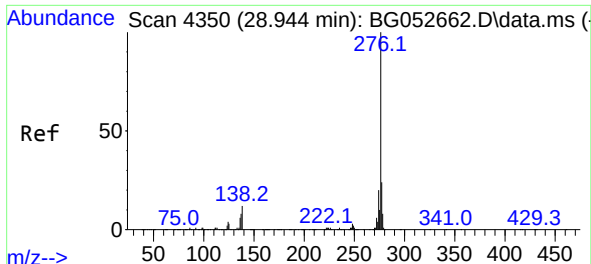
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.122 min Scan# 3700
Delta R.T. -0.015 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

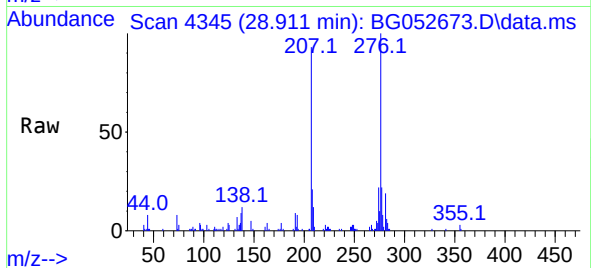
Tgt Ion:264 Resp: 279256
Ion Ratio Lower Upper
264 100
260 20.9 18.2 27.2
265 22.9 15.1 22.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.246 ng
 RT: 28.911 min Scan# 41
 Delta R.T. -0.033 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23

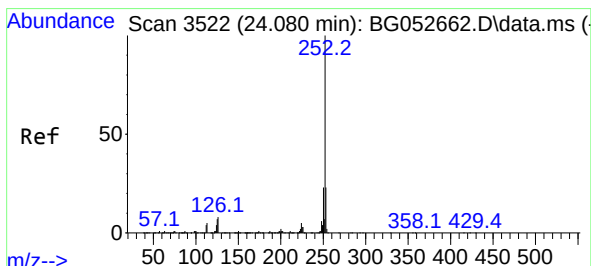
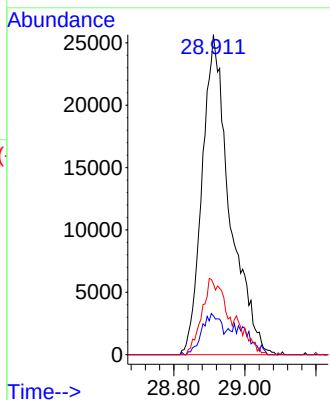
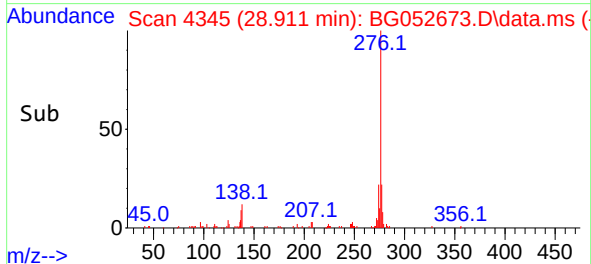
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



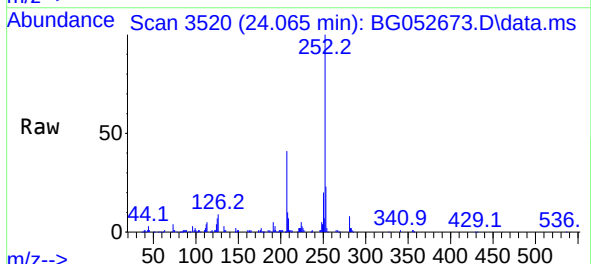
Tgt Ion: 276 Resp: 13850
 Ion Ratio Lower Upper
 276 100
 138 9.4 8.7 13.1
 277 19.9 20.2 30.4

Manual Integrations
 APPROVED

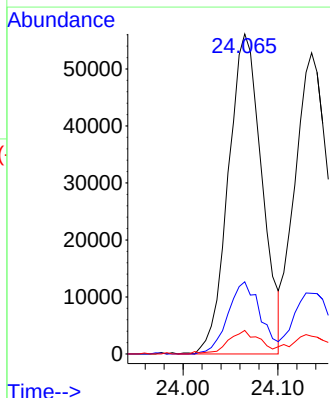
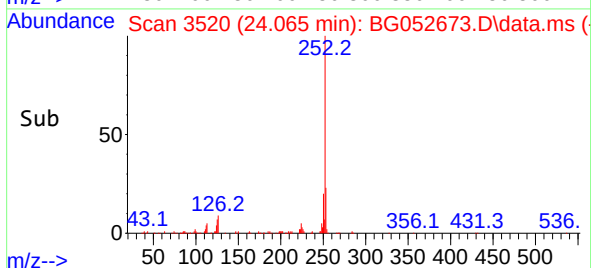
Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

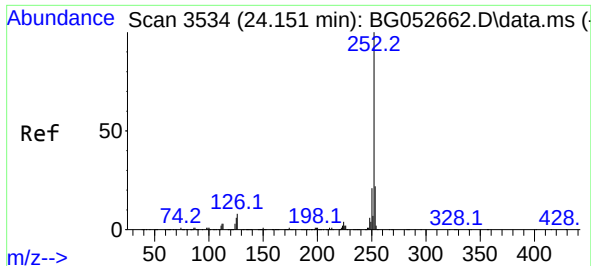


#88
 Benzo(b)fluoranthene
 Concen: 7.977 ng
 RT: 24.065 min Scan# 3520
 Delta R.T. -0.015 min
 Lab File: BG052673.D
 Acq: 16 Mar 2022 10:23



Tgt Ion: 252 Resp: 138314
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.2 25.8
 125 7.3 5.2 7.8





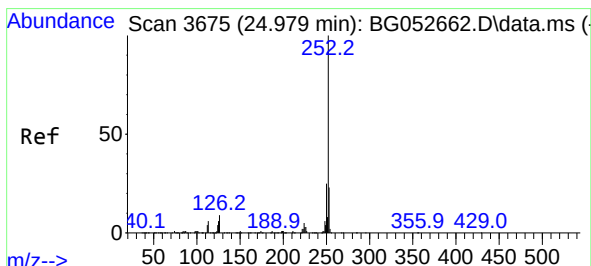
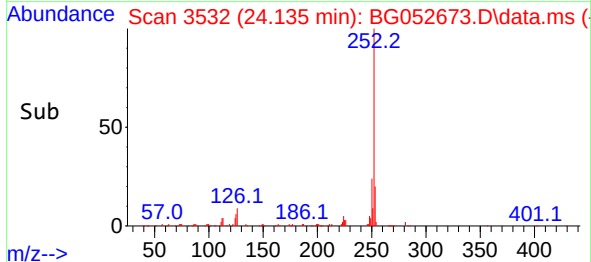
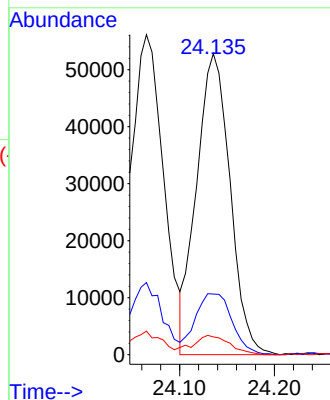
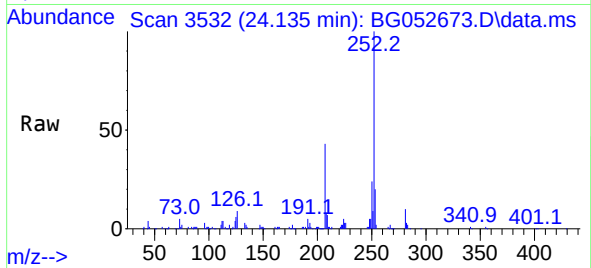
#89
Benzo(k)fluoranthene
Concen: 7.613 ng
RT: 24.135 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

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

Tgt Ion:252 Resp: 129874
Ion Ratio Lower Upper
252 100
253 20.1 17.4 26.0
125 5.9 5.0 7.4

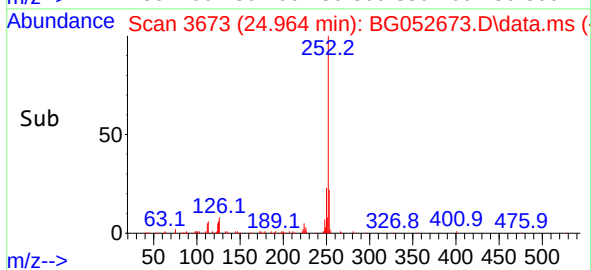
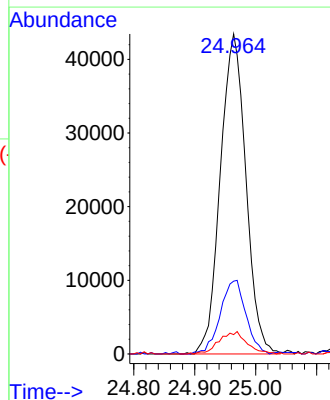
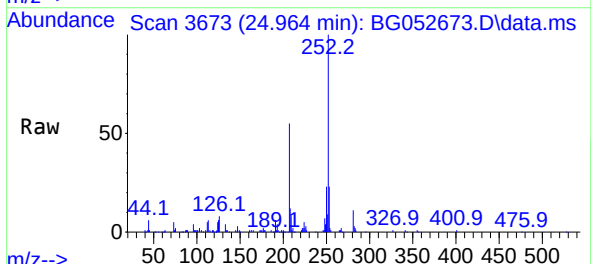
Manual Integrations
APPROVED

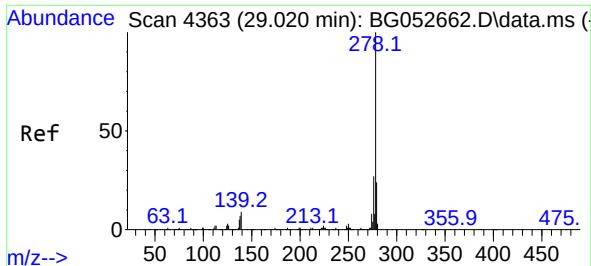
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#90
Benzo(a)pyrene
Concen: 8.610 ng
RT: 24.964 min Scan# 3673
Delta R.T. -0.015 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

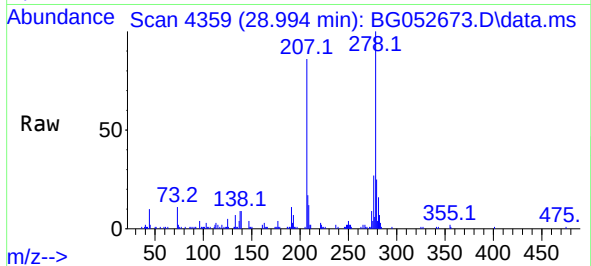
Tgt Ion:252 Resp: 126377
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 6.1 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 7.668 ng
RT: 28.994 min Scan# 41
Delta R.T. -0.027 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23

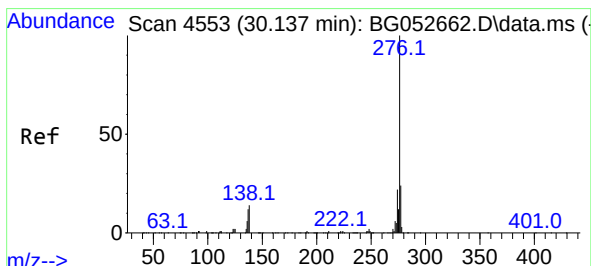
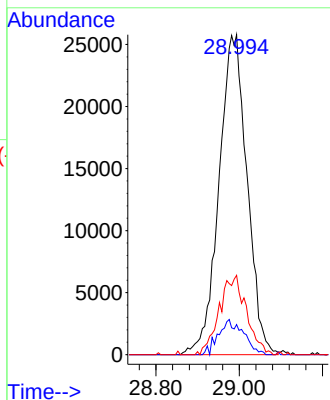
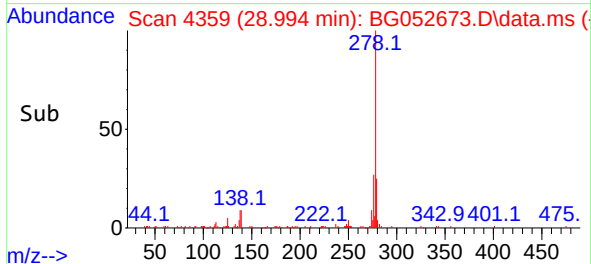
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



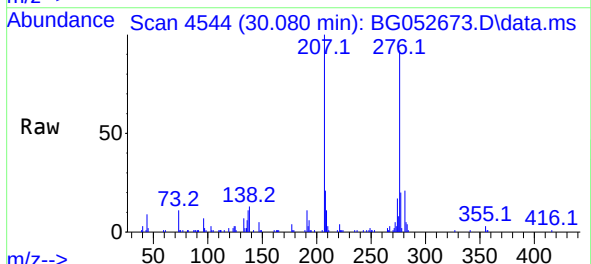
Tgt Ion:278 Resp: 120768
Ion Ratio Lower Upper
278 100
139 9.4 7.8 11.6
279 24.8 18.5 27.7

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.638 ng
RT: 30.080 min Scan# 4544
Delta R.T. -0.056 min
Lab File: BG052673.D
Acq: 16 Mar 2022 10:23



Tgt Ion:276 Resp: 119032
Ion Ratio Lower Upper
276 100
277 21.7 18.2 27.2
138 14.0 9.1 13.7#

