

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031722\
 Data File : BG052688.D
 Acq On : 17 Mar 2022 12:11
 Operator : CG/JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 17 13:25:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 12:13:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	37456	20.000	ng	0.00
21) Naphthalene-d8	10.965	136	156103	20.000	ng	0.00
39) Acenaphthene-d10	14.772	164	109300	20.000	ng	0.00
64) Phenanthrene-d10	17.515	188	254578	20.000	ng	0.00
76) Chrysene-d12	21.798	240	278969	20.000	ng	-0.01
86) Perylene-d12	25.123	264	273600	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	375136	174.419	ng	0.00
7) Phenol-d6	7.300	99	552431	170.371	ng	0.00
23) Nitrobenzene-d5	9.315	82	311683	100.212	ng	0.00
42) 2,4,6-Tribromophenol	16.258	330	235103	160.076	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	718258	96.919	ng	0.00
79) Terphenyl-d14	20.118	244	1364653	87.017	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.605	88	7124	6.622	ng	# 86
3) Pyridine	4.010	79	12203	4.425	ng	# 88
4) n-Nitrosodimethylamine	3.910	42	5297m	4.329	ng	
6) Aniline	7.476	93	18231	4.795	ng	# 93
8) 2-Chlorophenol	7.711	128	10207	4.517	ng	84
9) Benzaldehyde	7.288	77	12606	6.330	ng	90
10) Phenol	7.323	94	12862	4.018	ng	82
11) bis(2-Chloroethyl)ether	7.564	93	10021	4.146	ng	92
12) 1,3-Dichlorobenzene	8.040	146	12707m	4.670	ng	
13) 1,4-Dichlorobenzene	8.193	146	12344	4.515	ng	94
14) 1,2-Dichlorobenzene	8.510	146	11375	4.399	ng	94
15) Benzyl Alcohol	8.381	79	10753	3.939	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.680	45	18185	4.320	ng	94
17) 2-Methylphenol	8.580	107	9323	4.369	ng	# 96
18) Hexachloroethane	9.250	117	4152	4.139	ng	96
19) n-Nitroso-di-n-propyla...	8.956	70	10205	4.444	ng	# 94
20) 3+4-Methylphenols	8.909	107	12268	4.108	ng	97
22) Acetophenone	8.974	105	19294	4.776	ng	99
24) Nitrobenzene	9.356	77	15574	5.005	ng	90
25) Isophorone	9.885	82	27257	4.526	ng	96
26) 2-Nitrophenol	10.067	139	4844	4.482	ng	# 80
27) 2,4-Dimethylphenol	10.120	122	10006	4.526	ng	87
28) bis(2-Chloroethoxy)met...	10.355	93	15171	4.260	ng	# 86
29) 2,4-Dichlorophenol	10.601	162	9717	3.906	ng	89
30) 1,2,4-Trichlorobenzene	10.824	180	13031	4.440	ng	92
31) Naphthalene	11.018	128	36381	4.507	ng	97
32) Benzoic acid	10.167	122	3922m	2.639	ng	
33) 4-Chloroaniline	11.112	127	14112	4.125	ng	# 91
34) Hexachlorobutadiene	11.312	225	8768	4.167	ng	95
35) Caprolactam	11.870	113	2989	4.400	ng	# 78
36) 4-Chloro-3-methylphenol	12.217	107	11824	4.093	ng	# 91
37) 2-Methylnaphthalene	12.610	142	26344	4.456	ng	89
38) 1-Methylnaphthalene	12.834	142	25988	4.504	ng	90
40) 1,2,4,5-Tetrachloroben...	12.974	216	16021	4.692	ng	98
41) Hexachlorocyclopentadiene	12.963	237	10824	5.348	ng	90
43) 2,4,6-Trichlorophenol	13.204	196	8306m	3.798	ng	

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Instrument :
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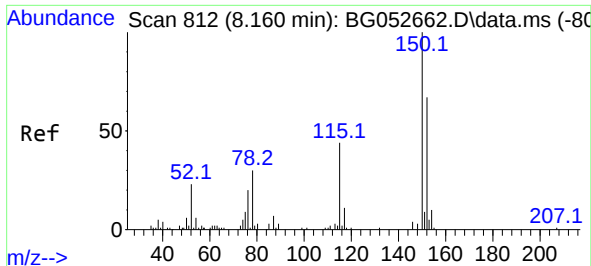
Quant Time: Mar 17 13:25:22 2022
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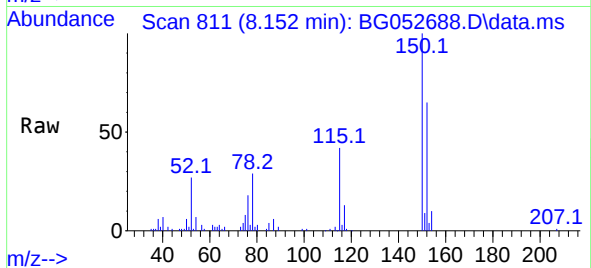
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44) 2,4,5-Trichlorophenol	13.274	196	9571	4.312	ng	# 85
46) 1,1'-Biphenyl	13.609	154	37367	4.889	ng	92
47) 2-Chloronaphthalene	13.656	162	27449	4.560	ng	96
48) 2-Nitroaniline	13.832	65	6493	3.944	ng	94
49) Acenaphthylene	14.496	152	44975	4.687	ng	96
50) Dimethylphthalate	14.214	163	34337	4.227	ng	98
51) 2,6-Dinitrotoluene	14.331	165	6010	4.382	ng	# 87
52) Acenaphthene	14.837	154	26994	4.391	ng	96
53) 3-Nitroaniline	14.655	138	6414	3.997	ng	100
54) 2,4-Dinitrophenol	14.854	184	2616	3.499	ng	# 9
55) Dibenzofuran	15.166	168	45389	4.521	ng	97
56) 4-Nitrophenol	14.942	139	4785	3.655	ng	93
57) 2,4-Dinitrotoluene	15.113	165	8259	4.340	ng	# 95
58) Fluorene	15.812	166	36247	4.429	ng	# 95
59) 2,3,4,6-Tetrachlorophenol	15.389	232	8345	3.517	ng	# 98
60) Diethylphthalate	15.577	149	34076	3.974	ng	94
61) 4-Chlorophenyl-phenyle...	15.806	204	19843	4.397	ng	92
62) 4-Nitroaniline	15.812	138	6903	4.071	ng	96
63) Azobenzene	16.100	77	38203	4.168	ng	99
65) 4,6-Dinitro-2-methylph...	15.871	198	3926	3.459	ng	88
66) n-Nitrosodiphenylamine	16.017	169	31636	4.414	ng	98
67) 4-Bromophenyl-phenylether	16.699	248	12168	3.964	ng	95
68) Hexachlorobenzene	16.822	284	13929	4.222	ng	# 85
69) Atrazine	16.957	200	12285	4.649	ng	93
70) Pentachlorophenol	17.163	266	6875	3.359	ng	99
71) Phenanthrene	17.557	178	61149	4.490	ng	98
72) Anthracene	17.645	178	61710	4.584	ng	95
73) Carbazole	17.909	167	53837	4.038	ng	95
74) Di-n-butylphthalate	18.473	149	59767	4.103	ng	98
75) Fluoranthene	19.560	202	76553	4.428	ng	99
77) Benzidine	19.730	184	32415	4.505	ng	# 95
78) Pyrene	19.918	202	79050	4.085	ng	98
80) Butylbenzylphthalate	20.805	149	25234	3.676	ng	# 90
81) Benzo(a)anthracene	21.780	228	81913m	4.385	ng	
82) 3,3'-Dichlorobenzidine	21.686	252	27002	4.093	ng	94
83) Chrysene	21.845	228	74194	4.225	ng	98
84) Bis(2-ethylhexyl)phtha...	21.692	149	35525	3.805	ng	93
85) Di-n-octyl phthalate	22.943	149	54062	3.479	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.906	276	77592	4.143	ng	# 91
88) Benzo(b)fluoranthene	24.059	252	74973	4.413	ng	98
89) Benzo(k)fluoranthene	24.136	252	74739	4.472	ng	98
90) Benzo(a)pyrene	24.958	252	72377	5.033	ng	# 95
91) Dibenzo(a,h)anthracene	28.988	278	67665	4.385	ng	# 91
92) Benzo(g,h,i)perylene	30.098	276	65944	4.319	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

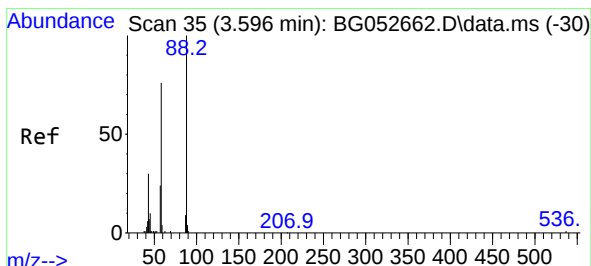
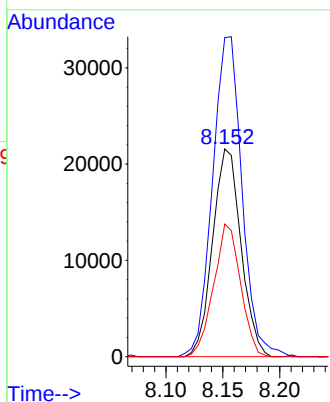
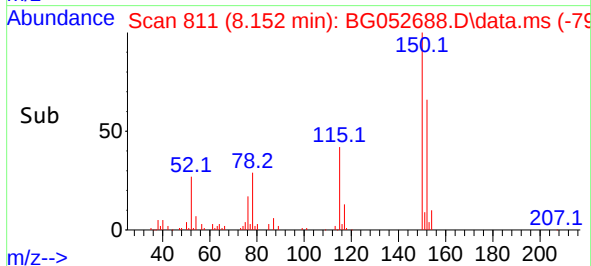
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 37450
Ion Ratio Lower Upper
152 100
150 153.6 114.6 172.0
115 63.9 45.9 68.9

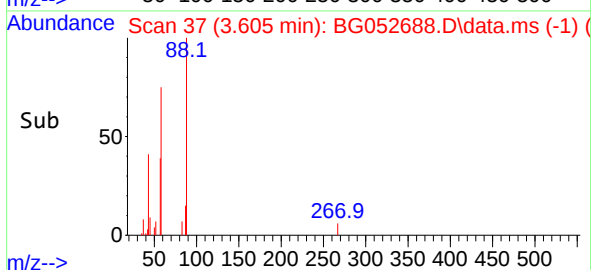
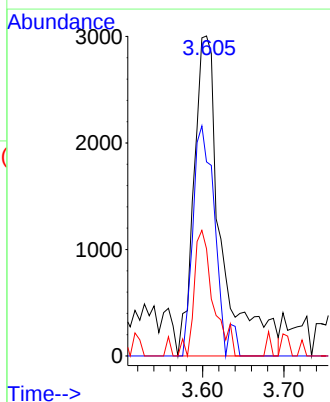
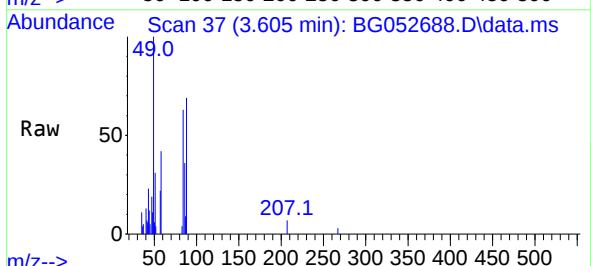
Manual Integrations
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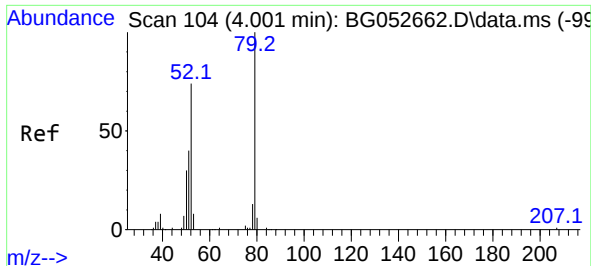
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#2
1,4-Dioxane
Concen: 6.622 ng
RT: 3.605 min Scan# 37
Delta R.T. 0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

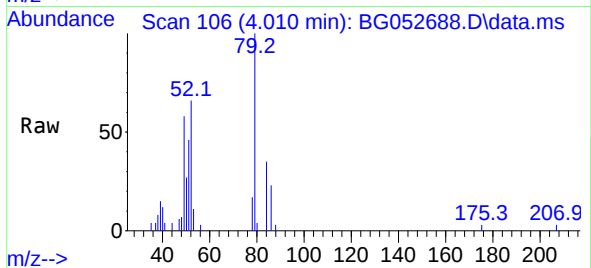
Tgt Ion: 88 Resp: 7124
Ion Ratio Lower Upper
88 100
58 57.1 58.2 87.2#
43 27.1 23.4 35.0





#3
Pyridine
Concen: 4.425 ng
RT: 4.010 min Scan# 106
Delta R.T. 0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

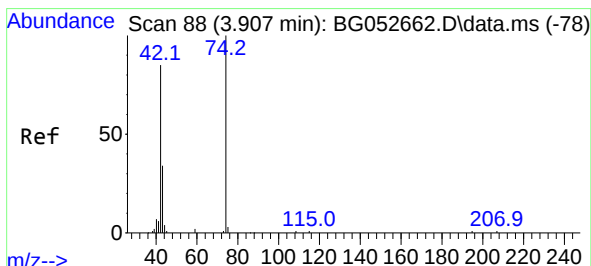
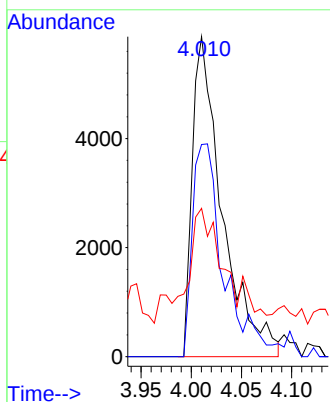
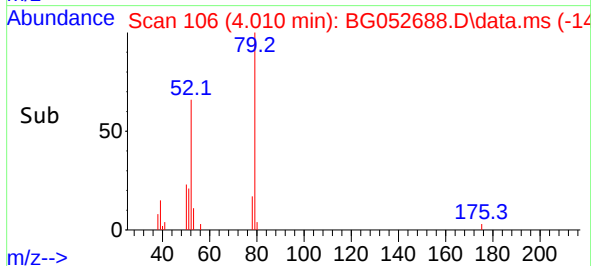
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 79 Resp: 1220
Ion Ratio Lower Upper
79 100
52 66.3 50.9 76.3
51 46.3 24.4 36.6

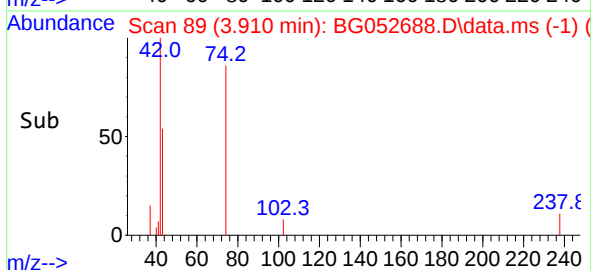
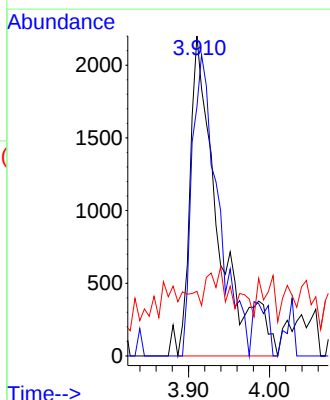
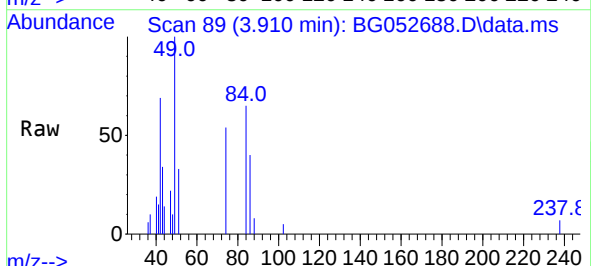
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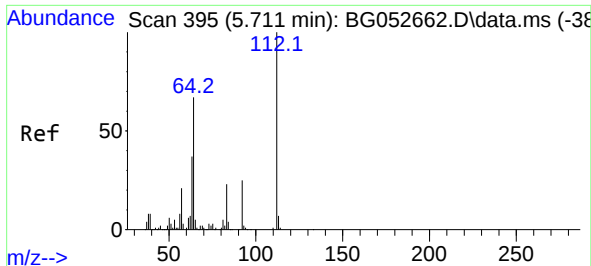
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#4
n-Nitrosodimethylamine
Concen: 4.329 ng m
RT: 3.910 min Scan# 89
Delta R.T. 0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

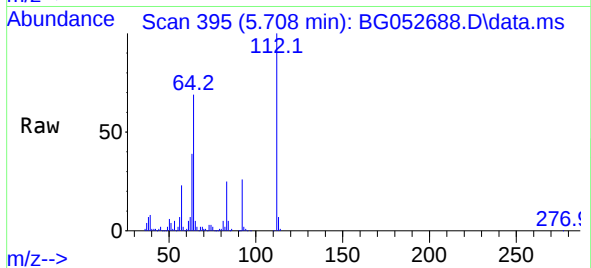
Tgt Ion: 42 Resp: 5297
Ion Ratio Lower Upper
42 100
74 77.8 108.9 163.3#
44 20.2 5.7 8.5#





#5
2-Fluorophenol
Concen: 174.419 ng
RT: 5.708 min Scan# 395
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

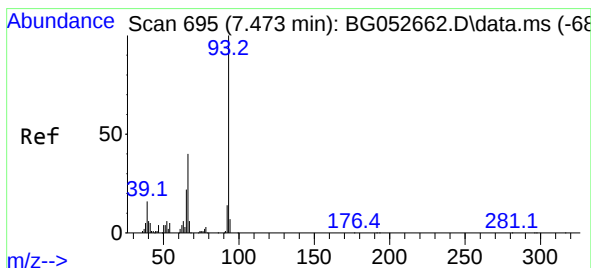
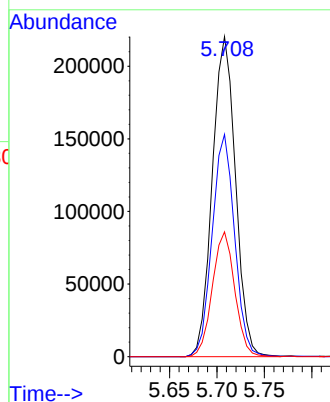
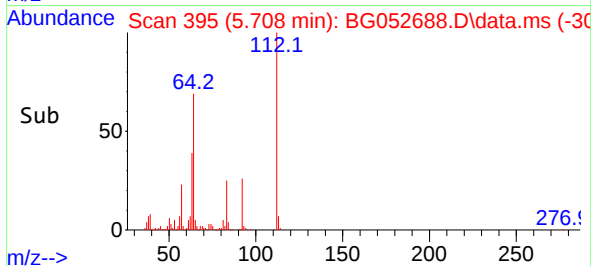
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ClientSampleId :
MDL-SOIL-03-QT1-2022



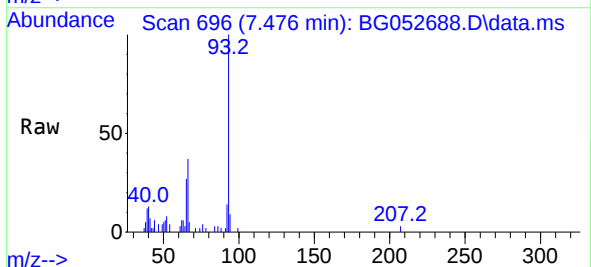
Tgt Ion:112 Resp: 375130
Ion Ratio Lower Upper
112 100
64 69.4 48.0 72.0
63 39.0 26.5 39.7

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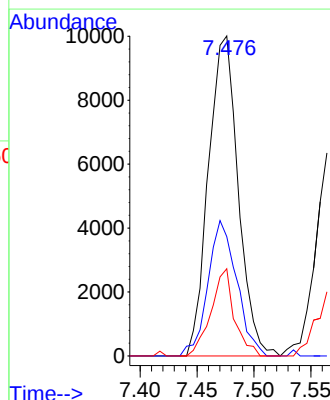
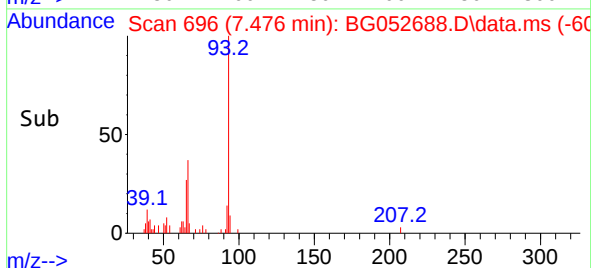
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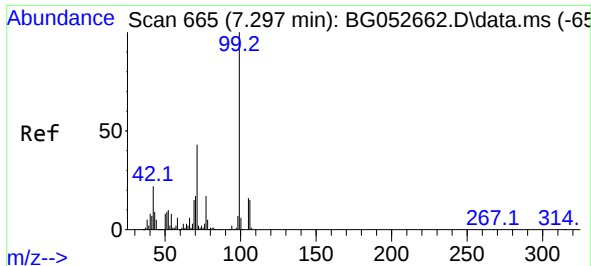


#6
Aniline
Concen: 4.795 ng
RT: 7.476 min Scan# 696
Delta R.T. 0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



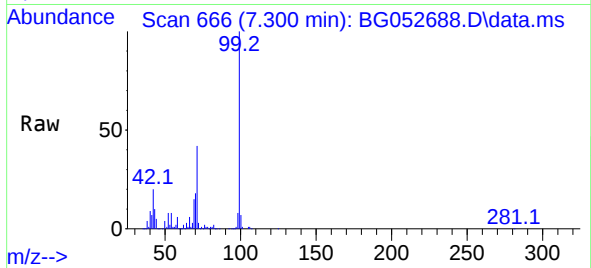
Tgt Ion: 93 Resp: 18231
Ion Ratio Lower Upper
93 100
66 37.3 31.3 46.9
65 27.2 16.7 25.1





#7
Phenol-d6
Concen: 170.371 ng
RT: 7.300 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

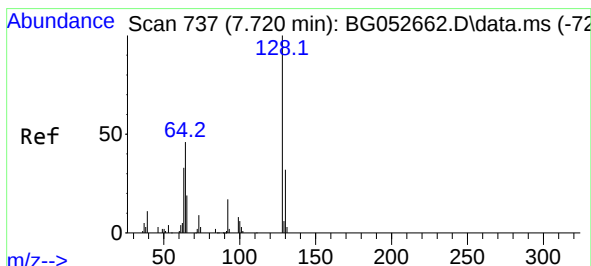
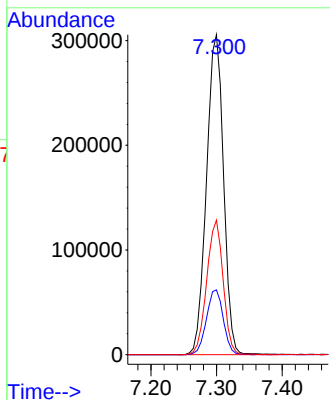
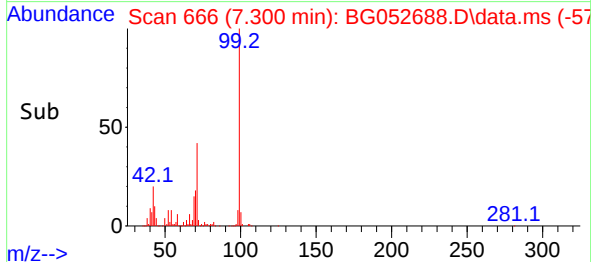
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BNA_G
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Tgt Ion: 99 Resp: 55243
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 42.1 29.2 43.8

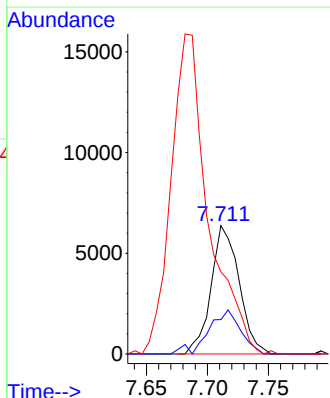
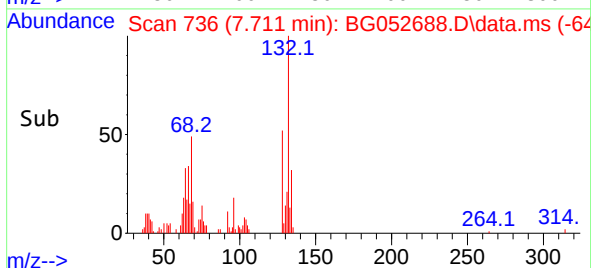
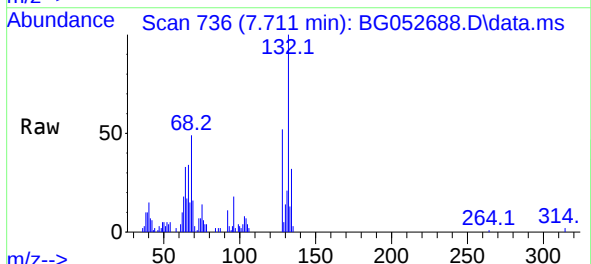
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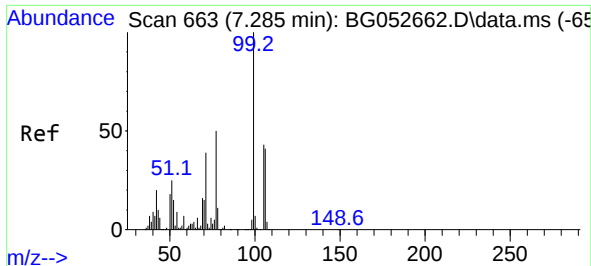
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#8
2-Chlorophenol
Concen: 4.517 ng
RT: 7.711 min Scan# 736
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

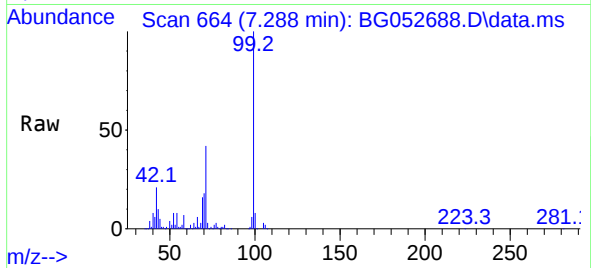
Tgt Ion:128 Resp: 10207
Ion Ratio Lower Upper
128 100
130 26.8 13.4 53.4
64 64.1 30.9 70.9





#9
Benzaldehyde
Concen: 6.330 ng
RT: 7.288 min Scan# 663
Delta R.T. 0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

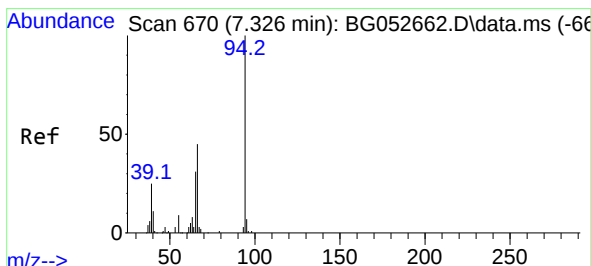
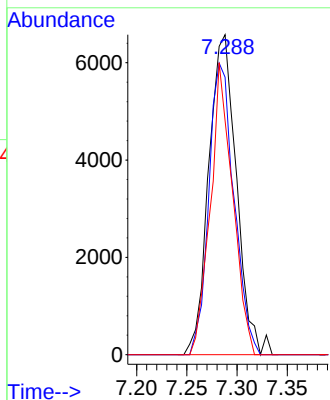
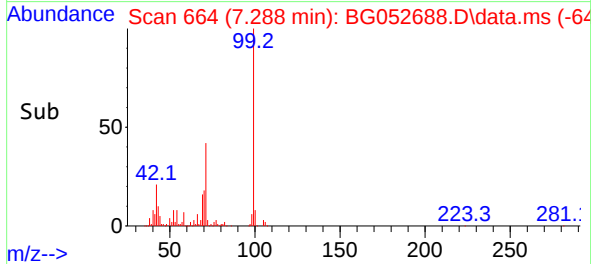
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MDL-SOIL-03-QT1-2022



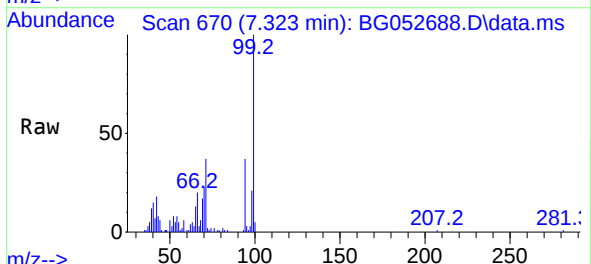
Tgt Ion: 77 Resp: 12600
Ion Ratio Lower Upper
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105 86.7 70.6 110.6
106 73.1 67.6 107.6

Manual Integrations
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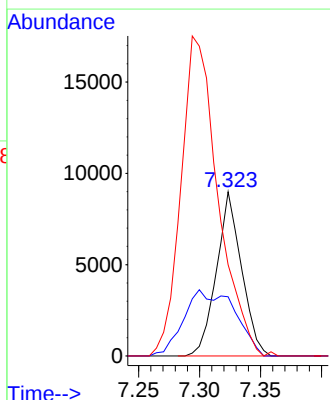
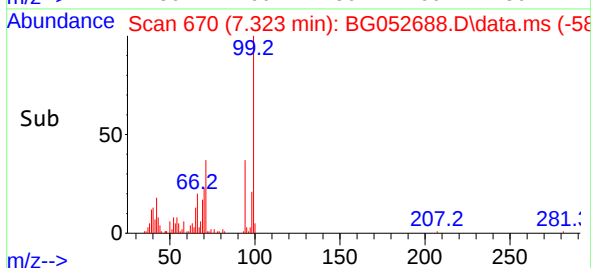
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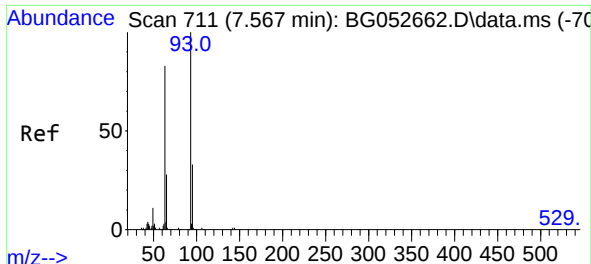


#10
Phenol
Concen: 4.018 ng
RT: 7.323 min Scan# 670
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



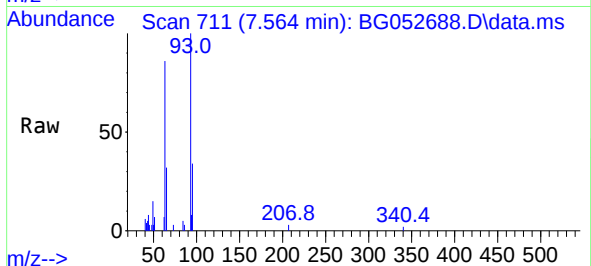
Tgt Ion: 94 Resp: 12862
Ion Ratio Lower Upper
94 100
65 36.1 11.1 51.1
66 55.5 20.0 60.0





#11
bis(2-Chloroethyl)ether
Concen: 4.146 ng
RT: 7.564 min Scan# 711
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

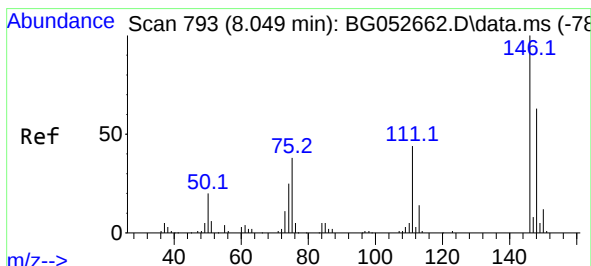
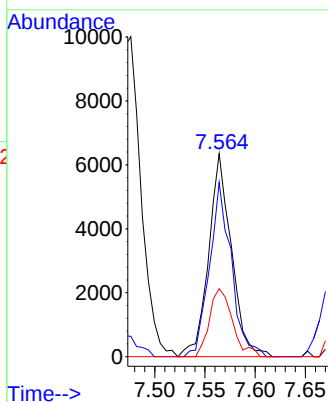
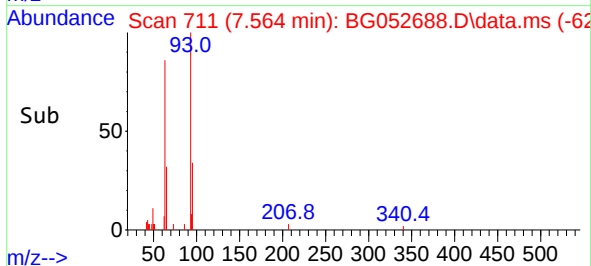
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 93 Resp: 1002
Ion Ratio Lower Upper
93 100
63 85.8 56.9 96.9
95 33.5 14.5 54.5

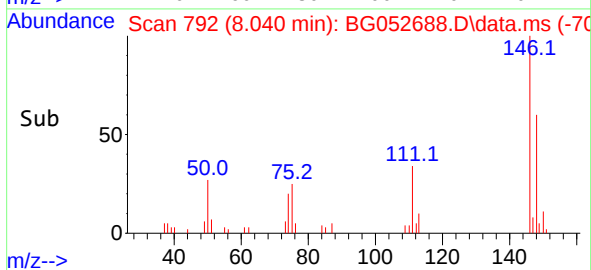
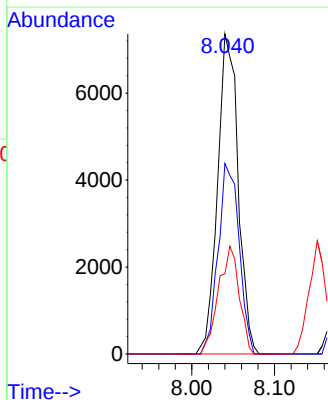
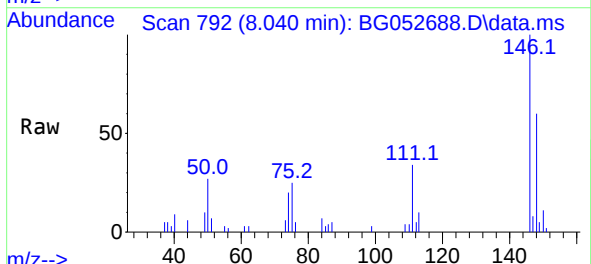
Manual Integrations
APPROVED

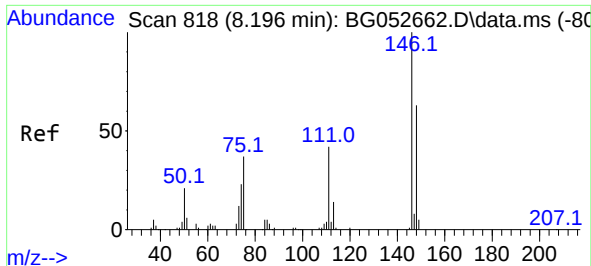
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#12
1,3-Dichlorobenzene
Concen: 4.670 ng m
RT: 8.040 min Scan# 792
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

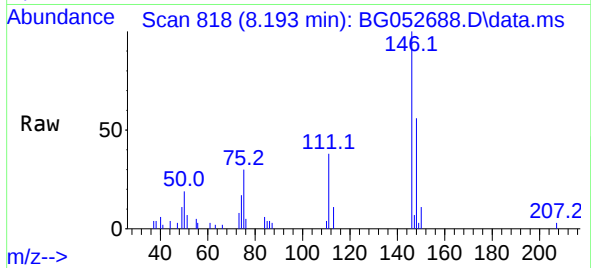
Tgt Ion:146 Resp: 12707
Ion Ratio Lower Upper
146 100
148 59.5 50.6 76.0
75 25.1 25.9 38.9#





#13
1,4-Dichlorobenzene
Concen: 4.515 ng
RT: 8.193 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

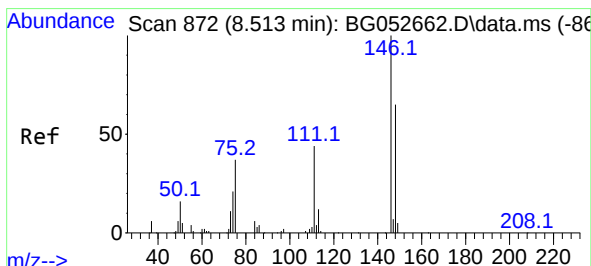
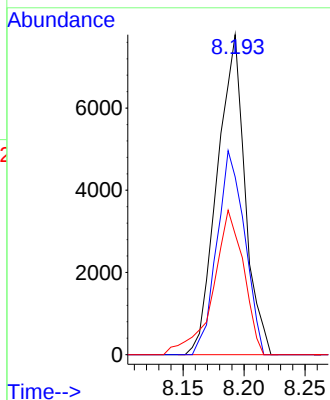
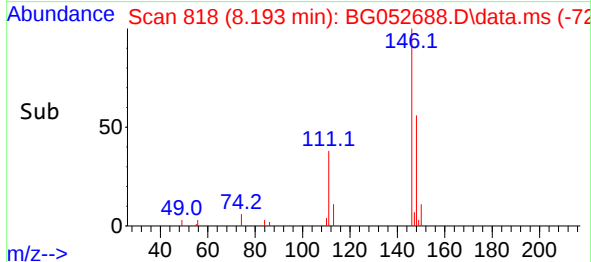
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



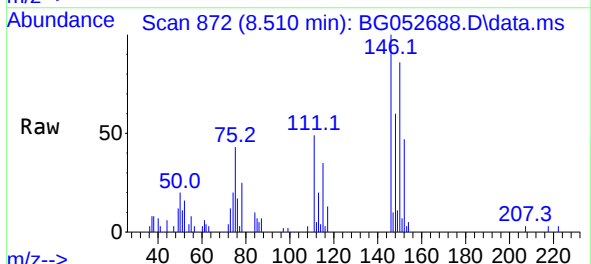
Tgt Ion:146 Resp: 12344
Ion Ratio Lower Upper
146 100
148 55.5 50.0 75.0
111 37.7 31.0 46.4

Manual Integrations
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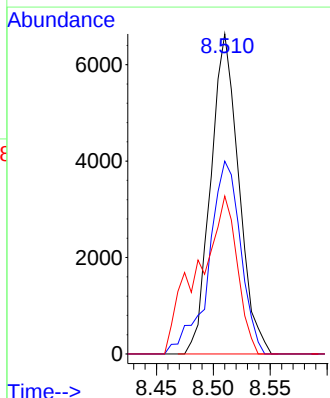
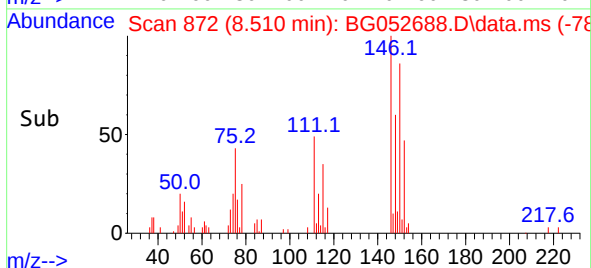
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

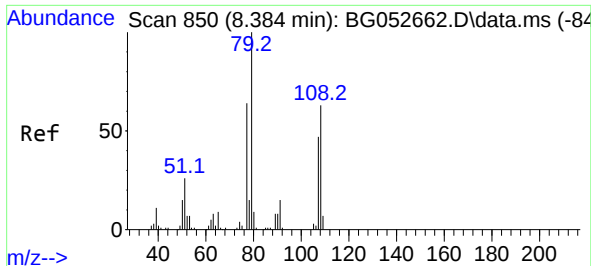


#14
1,2-Dichlorobenzene
Concen: 4.399 ng
RT: 8.510 min Scan# 872
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



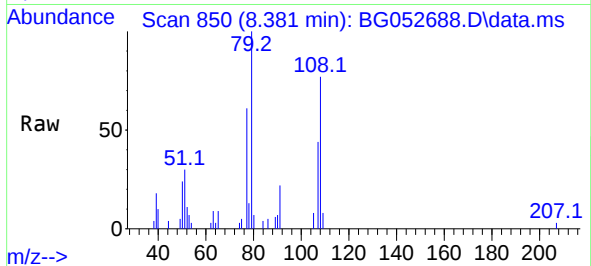
Tgt Ion:146 Resp: 11375
Ion Ratio Lower Upper
146 100
148 60.2 51.0 76.6
111 49.4 34.7 52.1





#15
Benzyl Alcohol
Concen: 3.939 ng
RT: 8.381 min Scan# 815
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

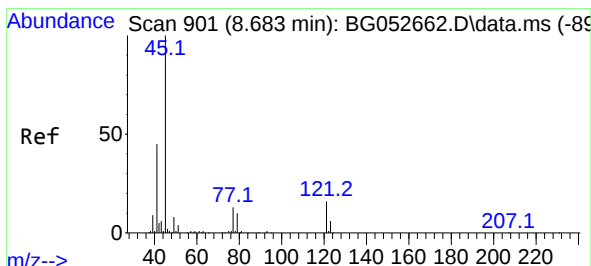
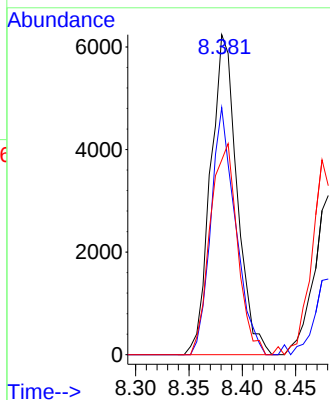
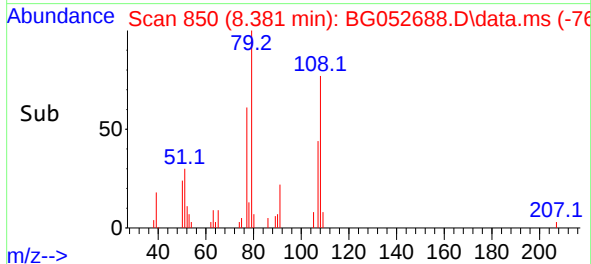
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



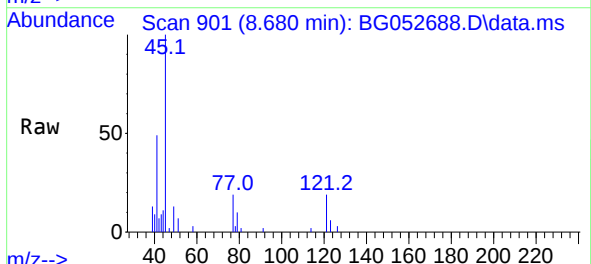
Tgt Ion: 79 Resp: 1075
Ion Ratio Lower Upper
79 100
108 77.2 55.1 82.7
77 60.8 52.4 78.6

Manual Integrations
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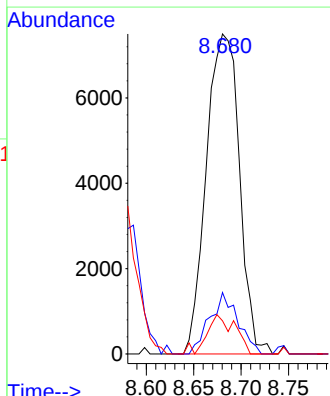
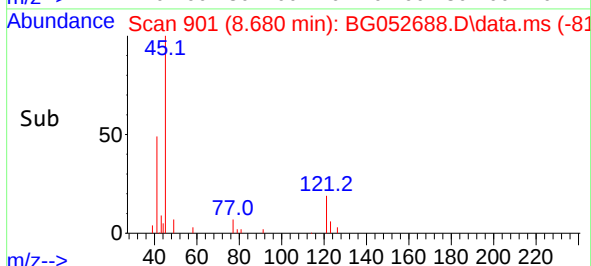
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

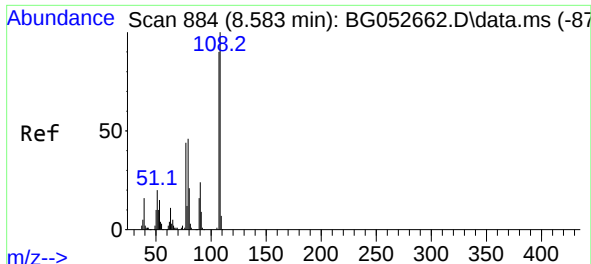


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.320 ng
RT: 8.680 min Scan# 901
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



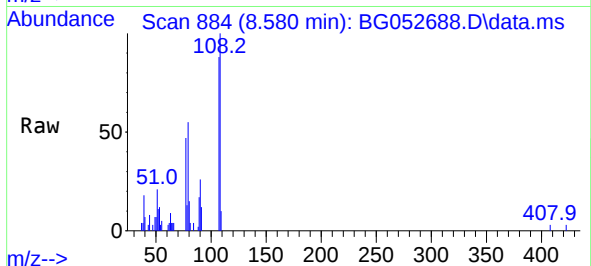
Tgt Ion: 45 Resp: 18185
Ion Ratio Lower Upper
45 100
77 19.2 0.0 34.9
79 10.3 0.0 30.7





#17
2-Methylphenol
Concen: 4.369 ng
RT: 8.580 min Scan# 884
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

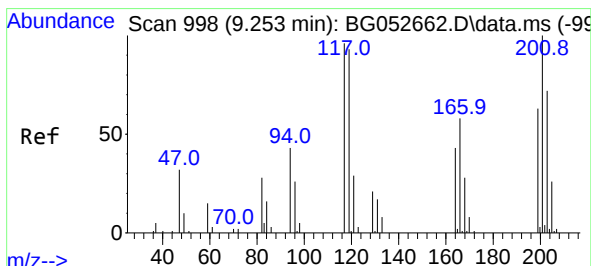
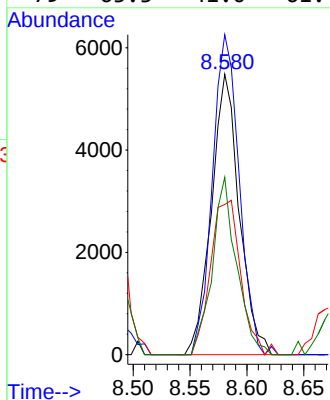
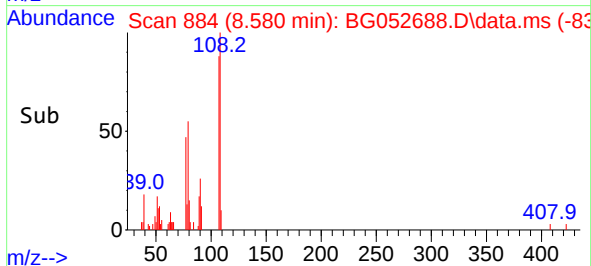
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:107 Resp: 932
Ion Ratio Lower Upper
107 100
108 114.1 91.5 137.3
77 53.5 42.5 63.7
79 63.3 41.0 61.4#

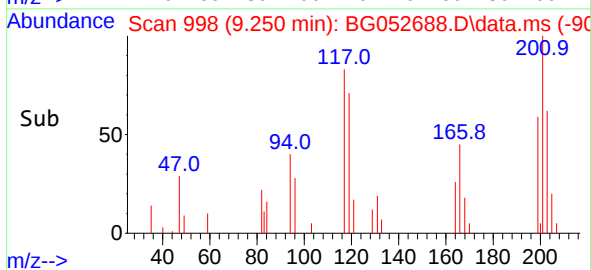
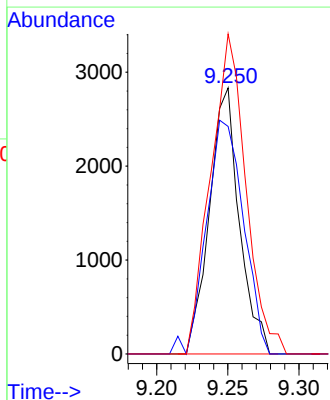
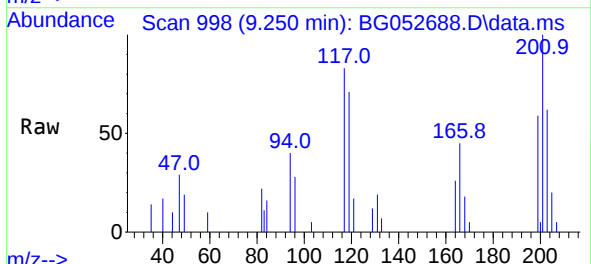
Manual Integrations
APPROVED

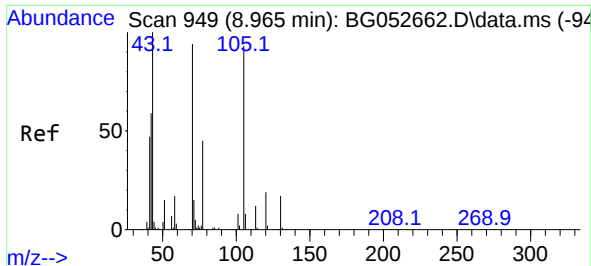
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#18
Hexachloroethane
Concen: 4.139 ng
RT: 9.250 min Scan# 998
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

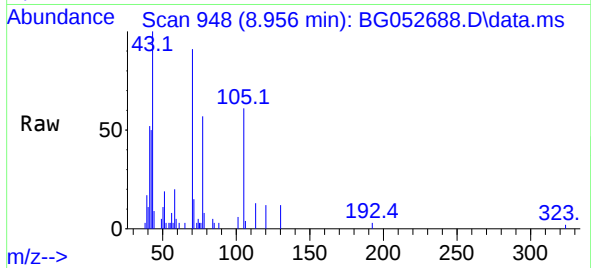
Tgt Ion:117 Resp: 4152
Ion Ratio Lower Upper
117 100
119 85.5 75.1 112.7
201 120.3 96.6 145.0





#19
n-Nitroso-di-n-propylamine
Concen: 4.444 ng
RT: 8.956 min Scan# 949
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

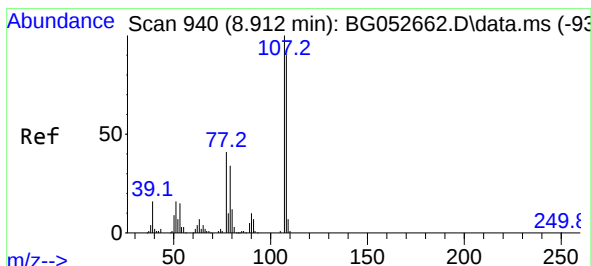
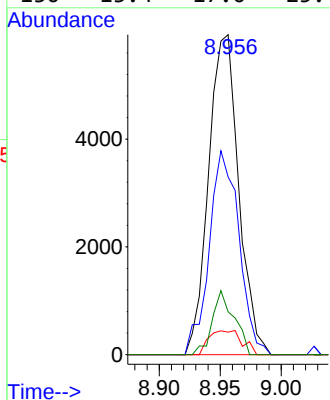
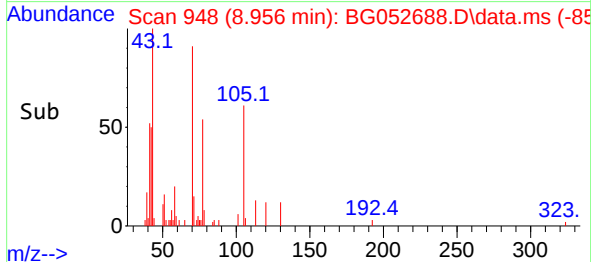
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 70 Resp: 1020
Ion Ratio Lower Upper
70 100
42 55.6 46.0 69.0
101 7.1 6.2 9.4
130 13.4 17.0 25.4#

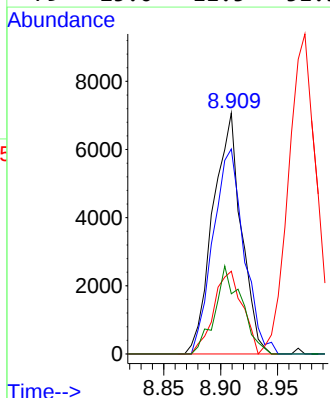
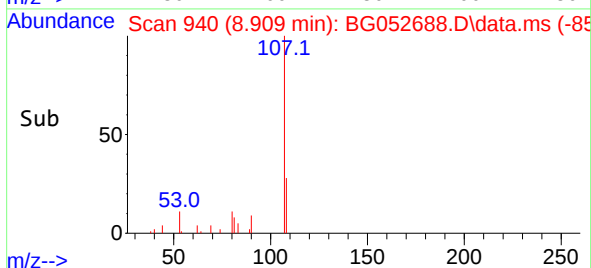
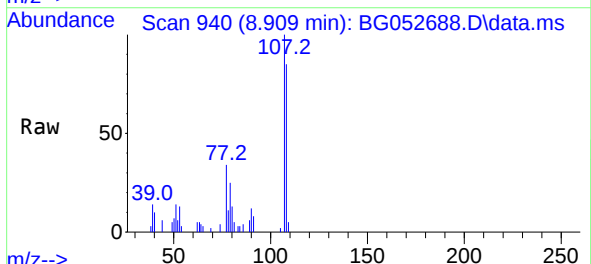
Manual Integrations
APPROVED

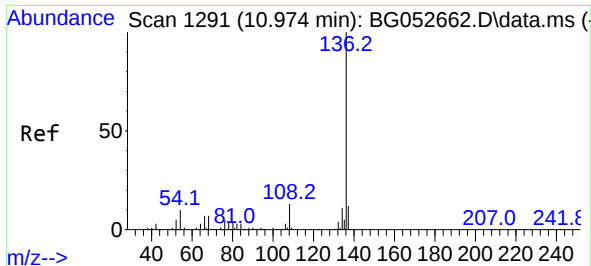
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#20
3+4-Methylphenols
Concen: 4.108 ng
RT: 8.909 min Scan# 940
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

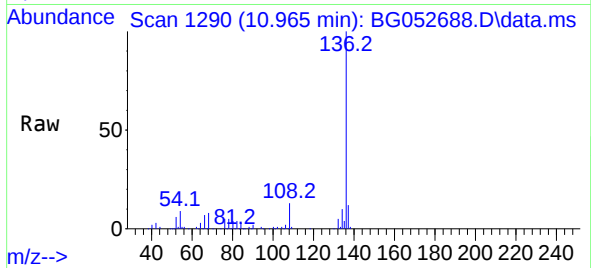
Tgt Ion:107 Resp: 12268
Ion Ratio Lower Upper
107 100
108 85.1 64.8 104.8
77 34.3 15.9 55.9
79 25.0 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.965 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

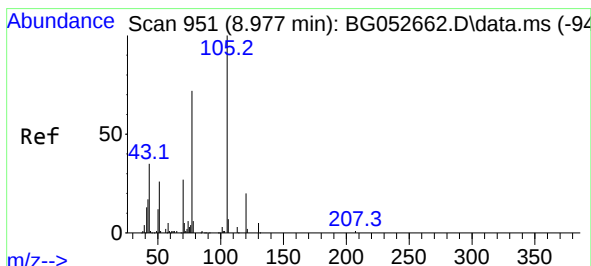
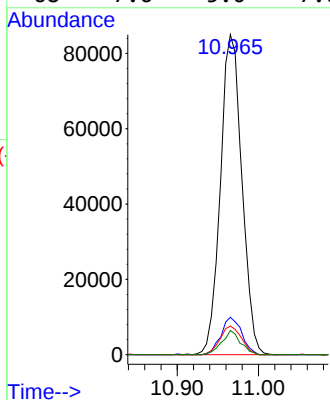
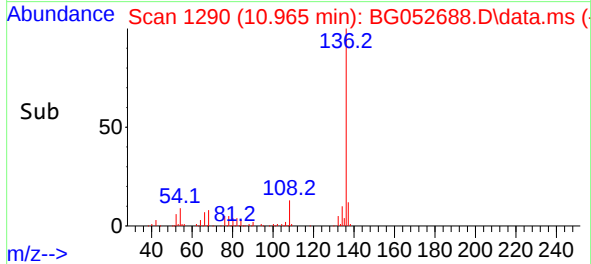
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 15610
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 9.0 6.4 9.6
68 7.6 5.0 7.6

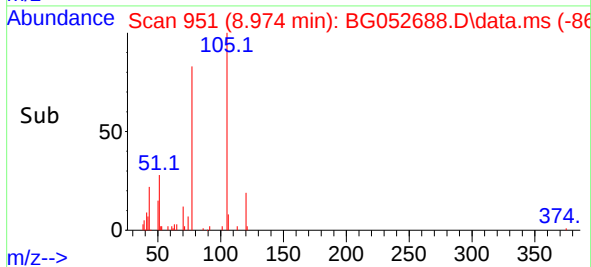
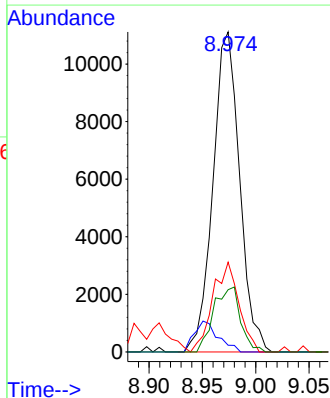
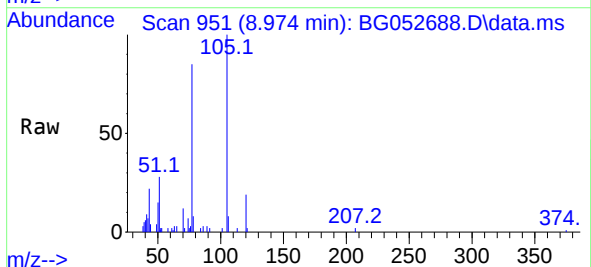
Manual Integrations
APPROVED

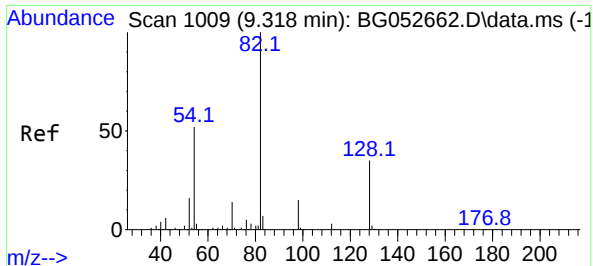
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#22
Acetophenone
Concen: 4.776 ng
RT: 8.974 min Scan# 951
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

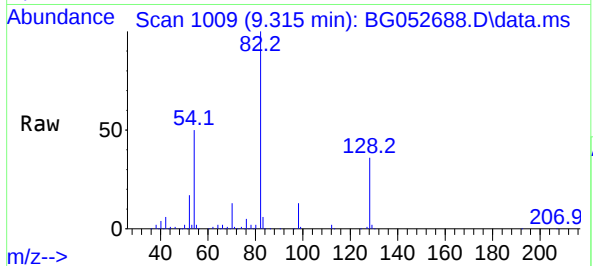
Tgt Ion:105 Resp: 19294
Ion Ratio Lower Upper
105 100
71 2.1 2.1 3.1
51 28.0 21.9 32.9
120 19.5 15.3 22.9





#23
Nitrobenzene-d5
Concen: 100.212 ng
RT: 9.315 min Scan# 1009
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

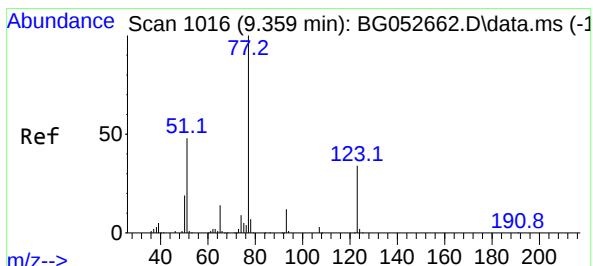
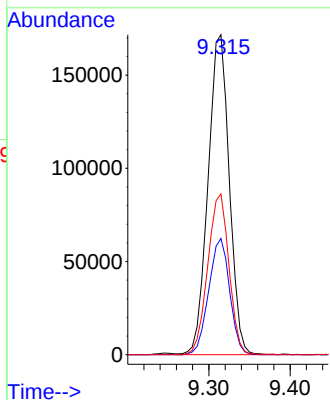
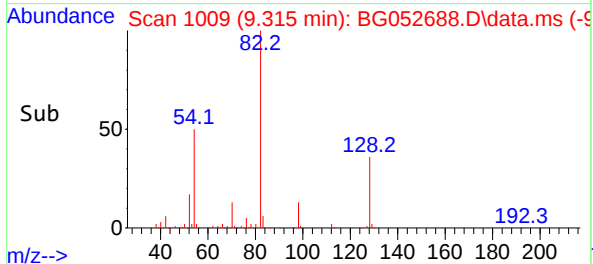
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



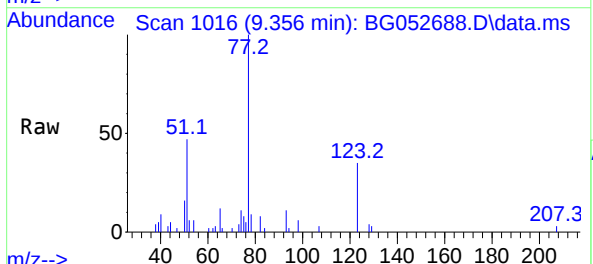
Tgt Ion: 82 Resp: 31168
Ion Ratio Lower Upper
82 100
128 36.3 31.3 46.9
54 50.3 37.8 56.8

Manual Integrations
APPROVED

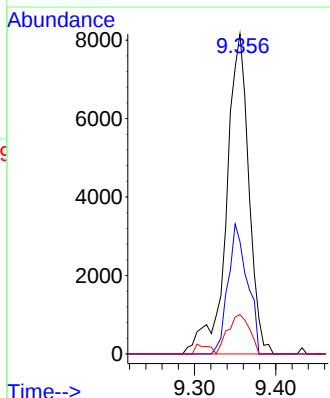
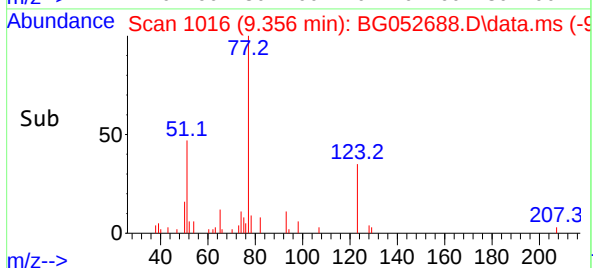
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

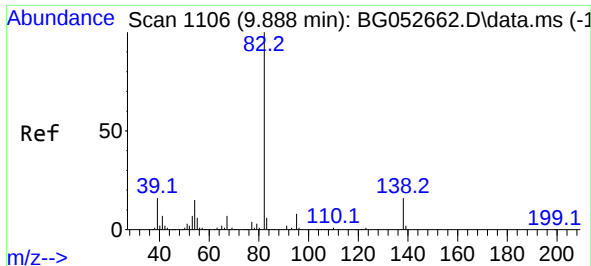


#24
Nitrobenzene
Concen: 5.005 ng
RT: 9.356 min Scan# 1016
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



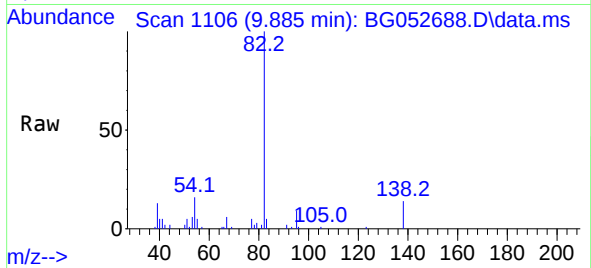
Tgt Ion: 77 Resp: 15574
Ion Ratio Lower Upper
77 100
123 35.1 34.4 51.6
65 12.3 11.2 16.8





#25
Isophorone
Concen: 4.526 ng
RT: 9.885 min Scan# 1106
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

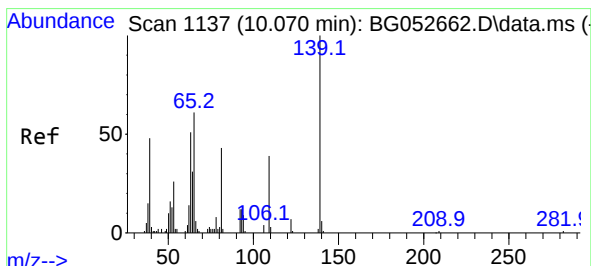
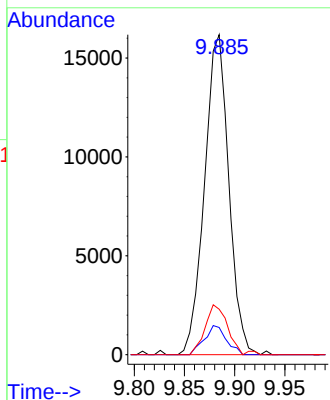
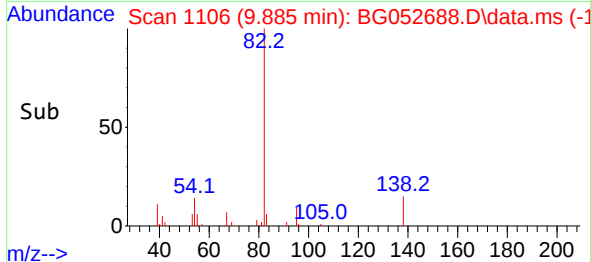
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



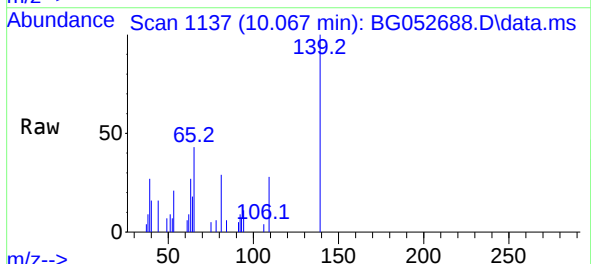
Tgt Ion: 82 Resp: 2725
Ion Ratio Lower Upper
82 100
95 8.5 5.8 8.6
138 14.2 12.6 18.8

Manual Integrations
APPROVED

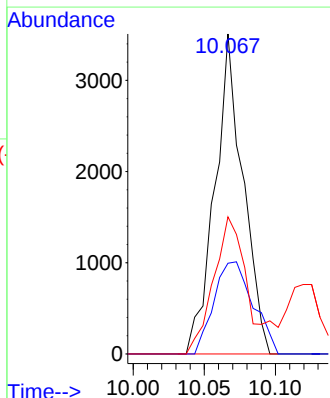
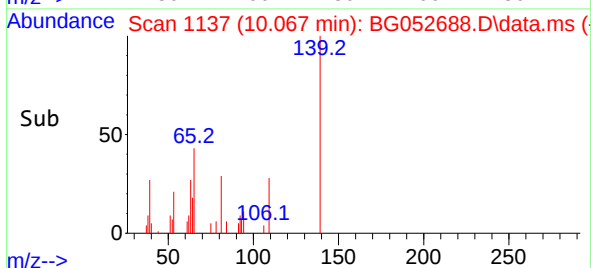
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

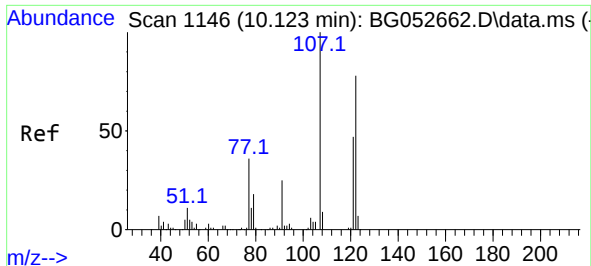


#26
2-Nitrophenol
Concen: 4.482 ng
RT: 10.067 min Scan# 1137
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



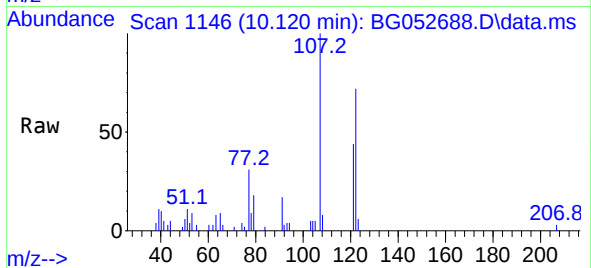
Tgt Ion:139 Resp: 4844
Ion Ratio Lower Upper
139 100
109 28.4 29.4 44.0#
65 42.8 48.2 72.2#





#27
2,4-Dimethylphenol
Concen: 4.526 ng
RT: 10.120 min Scan# 1146
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

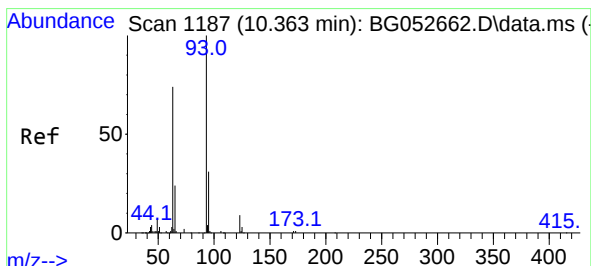
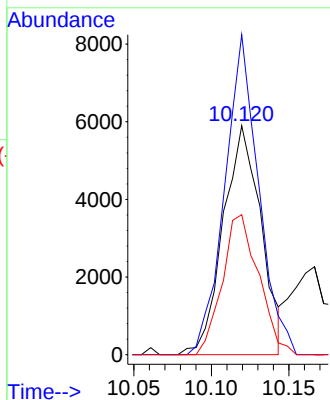
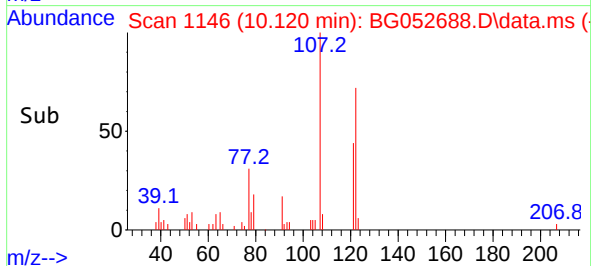
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:122 Resp: 10000
Ion Ratio Lower Upper
122 100
107 139.8 96.7 145.1
121 61.1 46.3 69.5

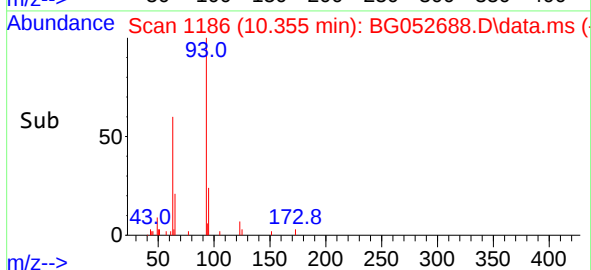
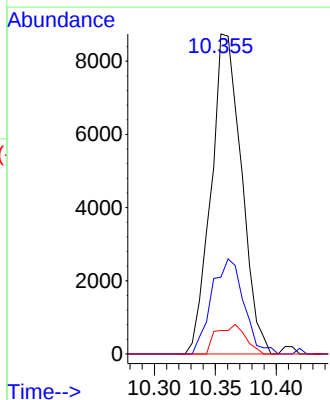
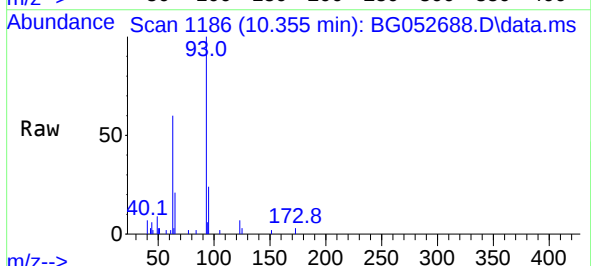
Manual Integrations
APPROVED

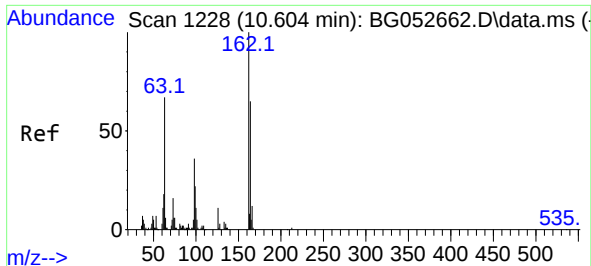
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#28
bis(2-Chloroethoxy)methane
Concen: 4.260 ng
RT: 10.355 min Scan# 1186
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

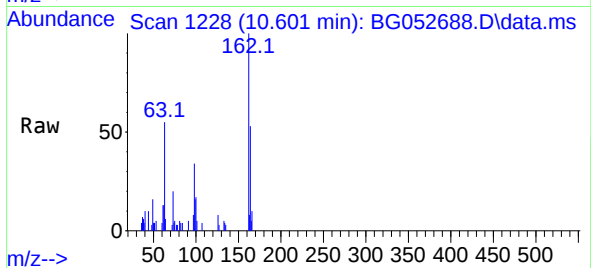
Tgt Ion: 93 Resp: 15171
Ion Ratio Lower Upper
93 100
95 24.0 26.5 39.7#
123 7.4 8.6 12.8#





#29
2,4-Dichlorophenol
Concen: 3.906 ng
RT: 10.601 min Scan# 1228
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

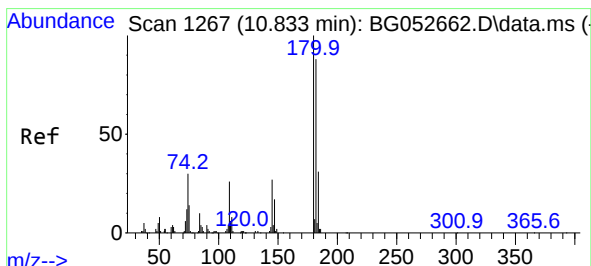
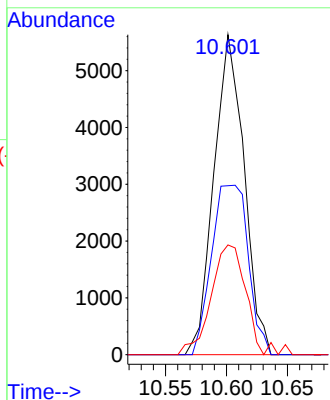
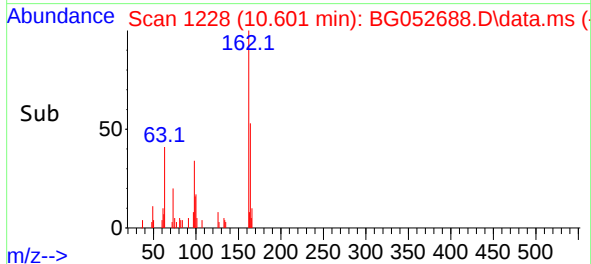
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2022



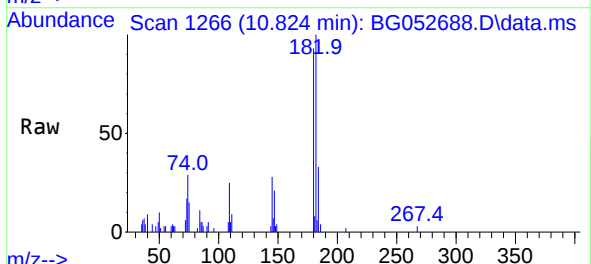
Tgt Ion:162 Resp: 971
Ion Ratio Lower Upper
162 100
164 52.8 44.0 84.0
98 34.3 17.3 57.3

Manual Integrations
APPROVED

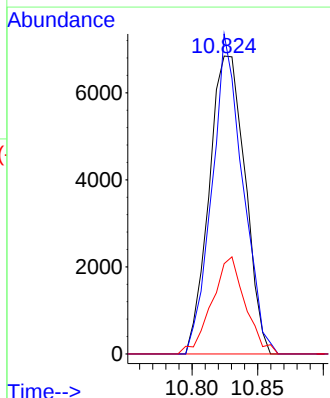
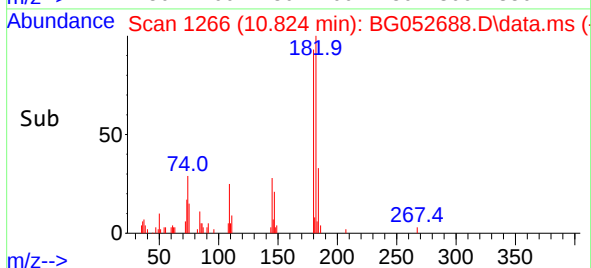
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

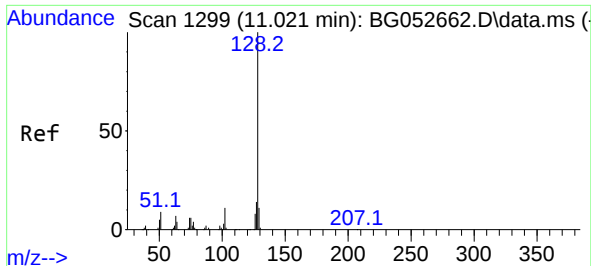


#30
1,2,4-Trichlorobenzene
Concen: 4.440 ng
RT: 10.824 min Scan# 1266
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



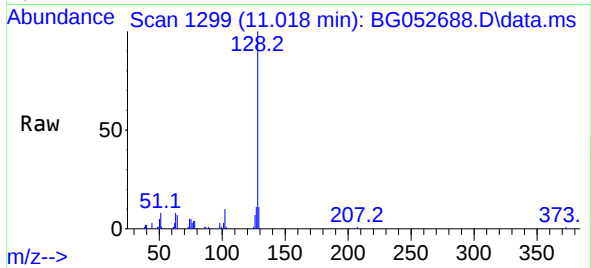
Tgt Ion:180 Resp: 13031
Ion Ratio Lower Upper
180 100
182 107.4 77.8 116.6
145 30.3 24.4 36.6





#31
Naphthalene
Concen: 4.507 ng
RT: 11.018 min Scan# 1154
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

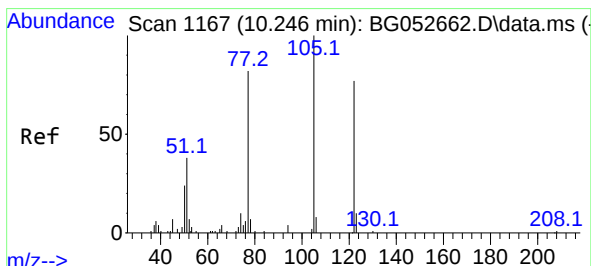
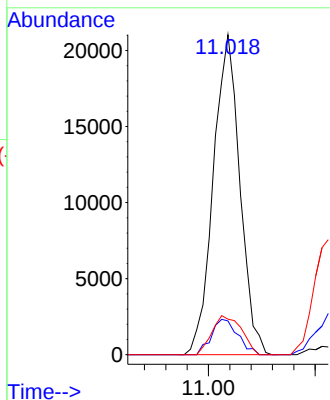
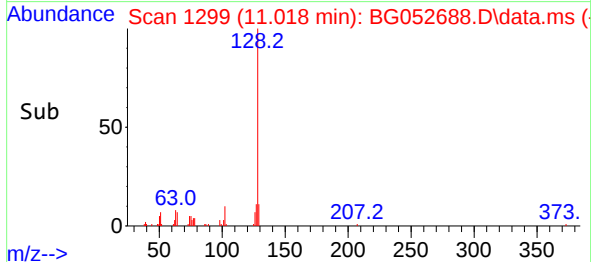
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 3638
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 11.1 10.5 15.7

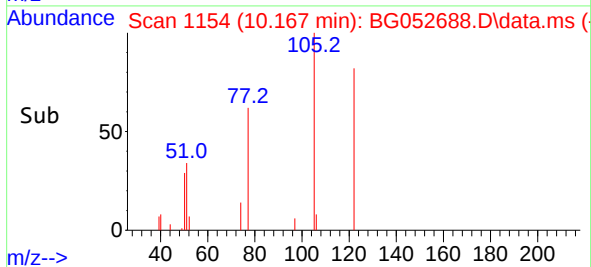
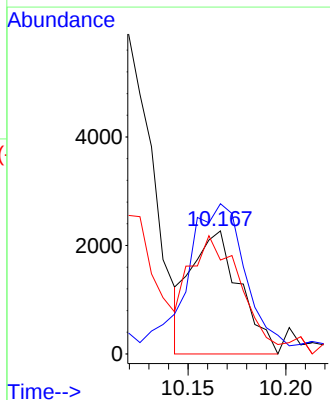
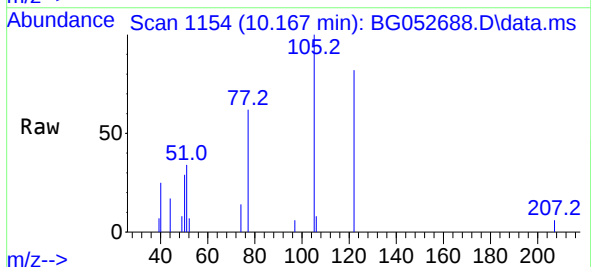
Manual Integrations
APPROVED

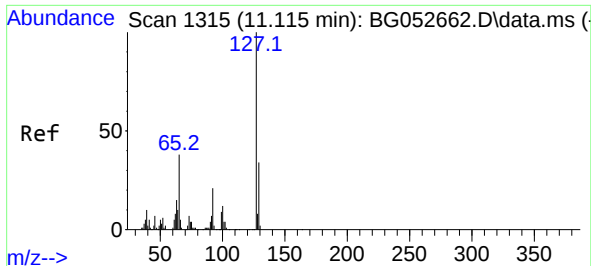
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#32
Benzoic acid
Concen: 2.639 ng m
RT: 10.167 min Scan# 1154
Delta R.T. -0.079 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

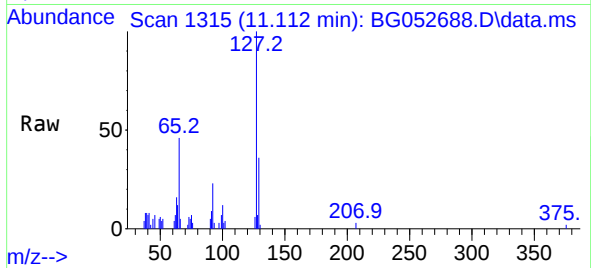
Tgt Ion:122 Resp: 3922
Ion Ratio Lower Upper
122 100
105 122.2 112.8 152.8
77 76.3 78.4 118.4#





#33
4-Chloroaniline
Concen: 4.125 ng
RT: 11.112 min Scan# 1315
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

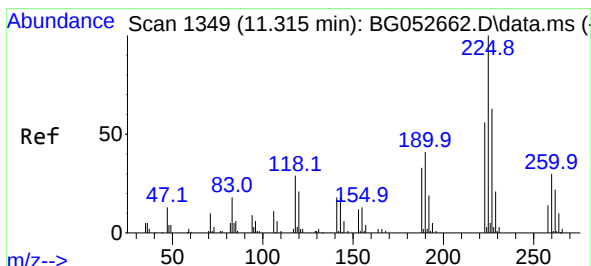
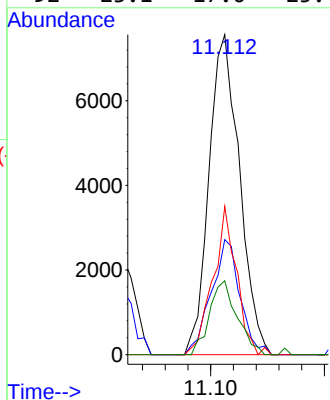
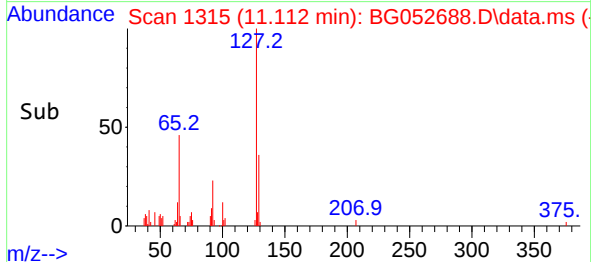
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.9	27.6	41.4
65	46.3	28.2	42.4
92	23.1	17.0	25.4

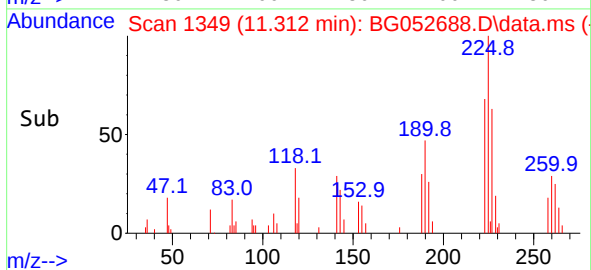
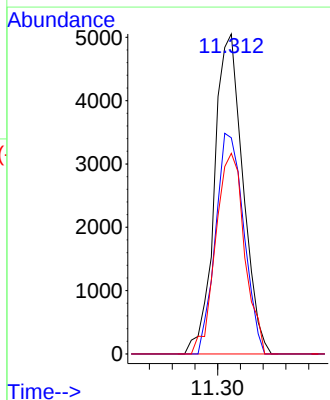
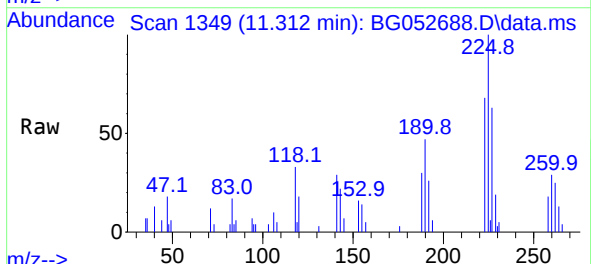
Manual Integrations
APPROVED

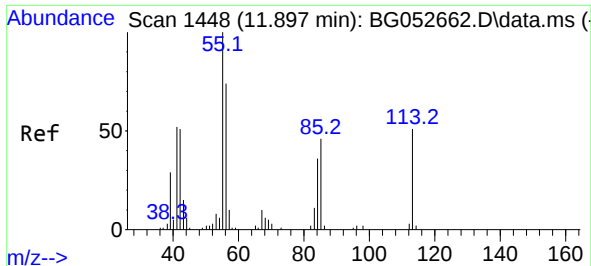
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#34
Hexachlorobutadiene
Concen: 4.167 ng
RT: 11.312 min Scan# 1349
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

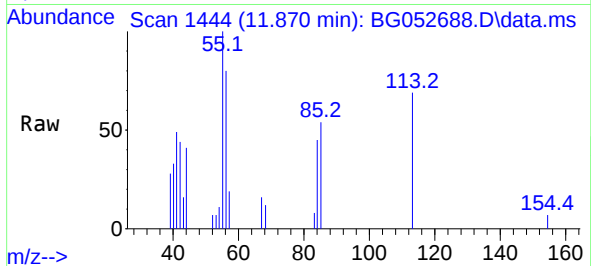
Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.5	50.2	75.2
227	62.7	52.0	78.0





#35
Caprolactam
Concen: 4.400 ng
RT: 11.870 min Scan# 1448
Delta R.T. -0.026 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

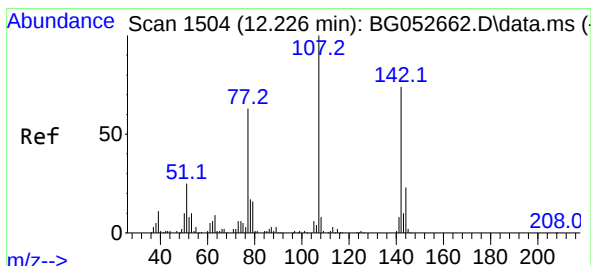
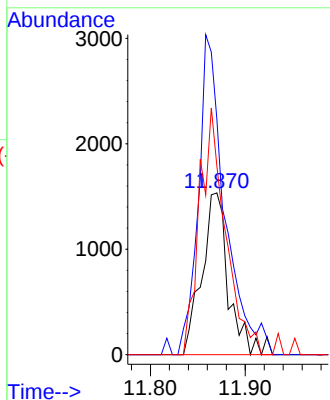
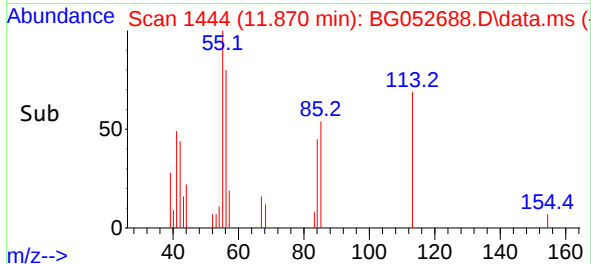
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



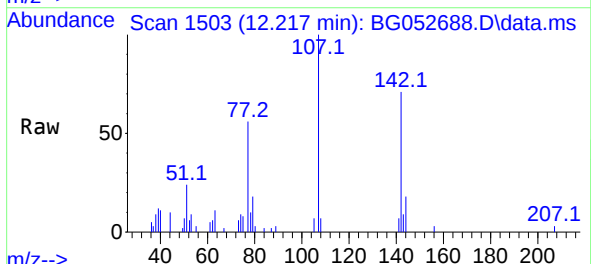
Tgt Ion:113 Resp: 2989
Ion Ratio Lower Upper
113 100
55 145.1 151.3 191.3
56 116.3 128.5 168.5

Manual Integrations
APPROVED

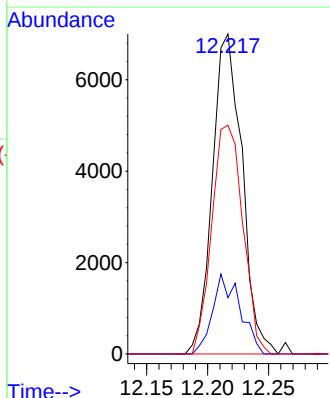
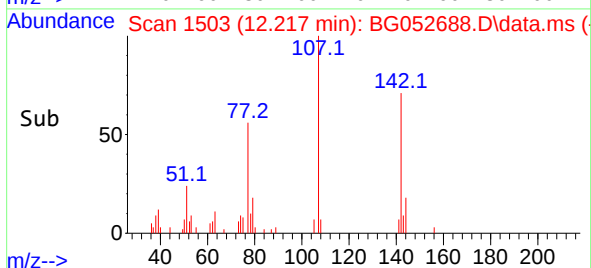
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

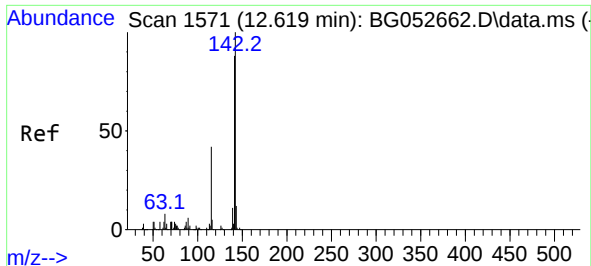


#36
4-Chloro-3-methylphenol
Concen: 4.093 ng
RT: 12.217 min Scan# 1503
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



Tgt Ion:107 Resp: 11824
Ion Ratio Lower Upper
107 100
144 17.6 21.4 32.0
142 71.5 61.7 92.5





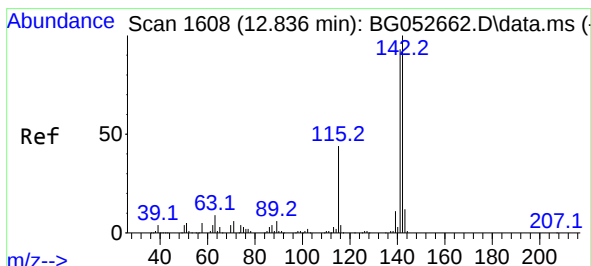
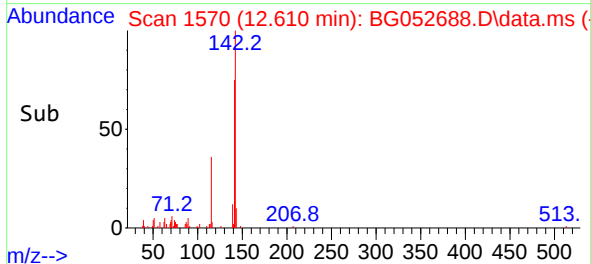
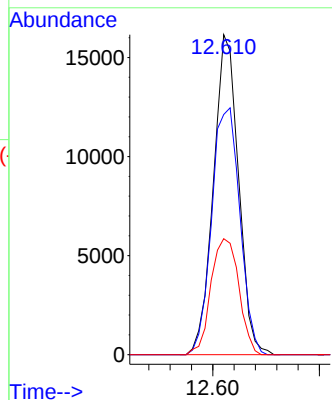
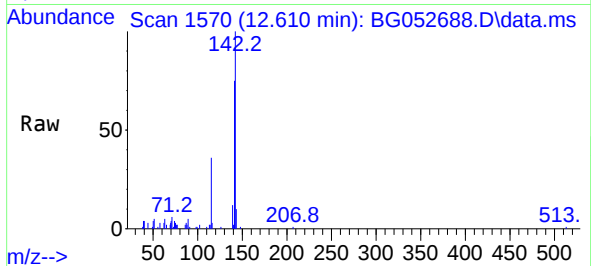
#37
2-Methylnaphthalene
Concen: 4.456 ng
RT: 12.610 min Scan# 1571
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:142 Resp: 26344
Ion Ratio Lower Upper
142 100
141 75.1 71.3 106.9
115 36.2 29.5 44.3

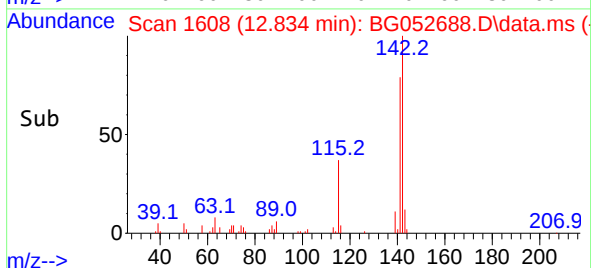
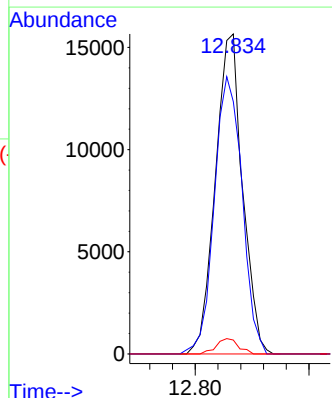
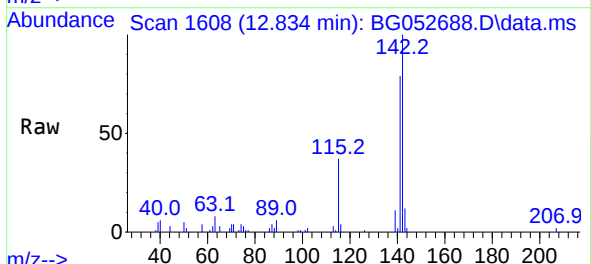
Manual Integrations
APPROVED

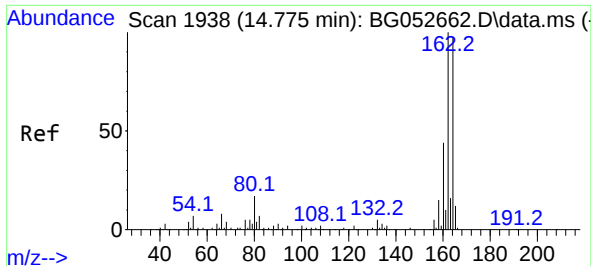
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#38
1-Methylnaphthalene
Concen: 4.504 ng
RT: 12.834 min Scan# 1608
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

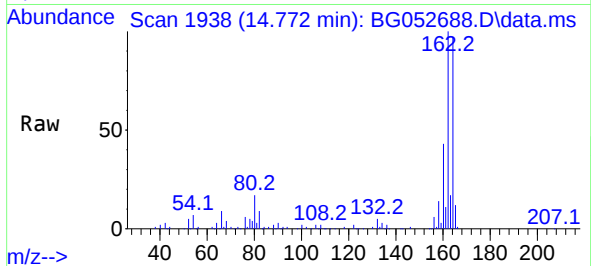
Tgt Ion:142 Resp: 25988
Ion Ratio Lower Upper
142 100
141 78.8 70.5 105.7
116 4.3 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1938
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

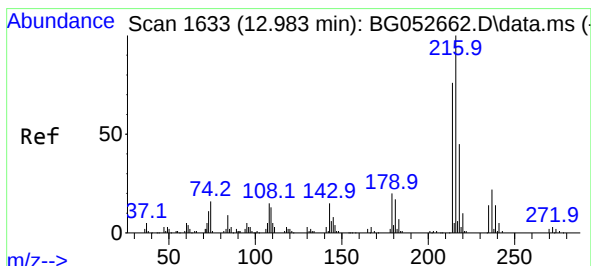
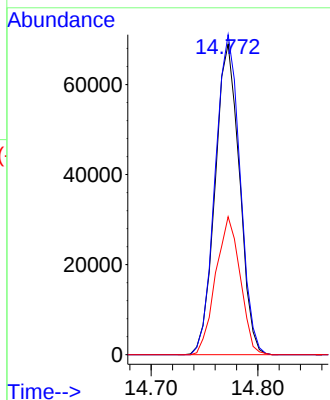
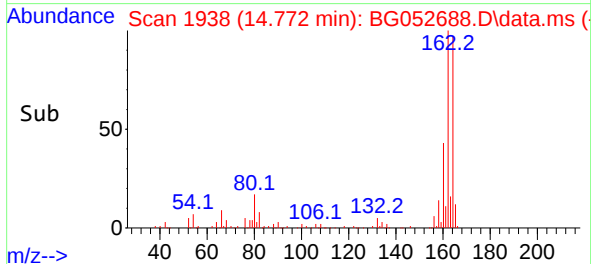
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:164 Resp: 109300
Ion Ratio Lower Upper
164 100
162 103.1 80.0 120.0
160 44.4 38.8 58.2

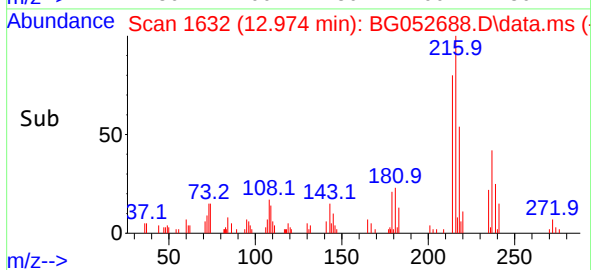
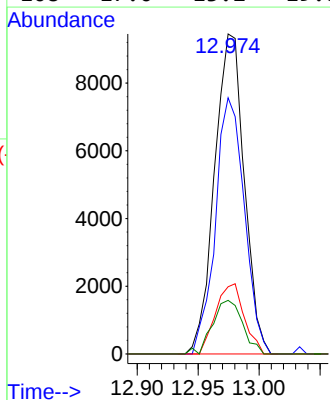
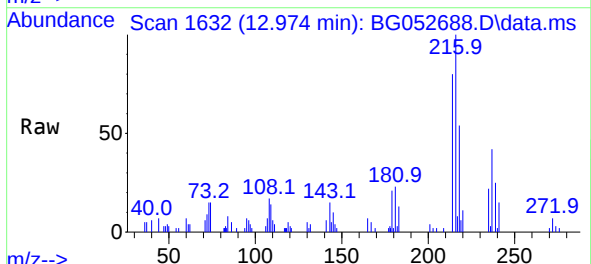
Manual Integrations
APPROVED

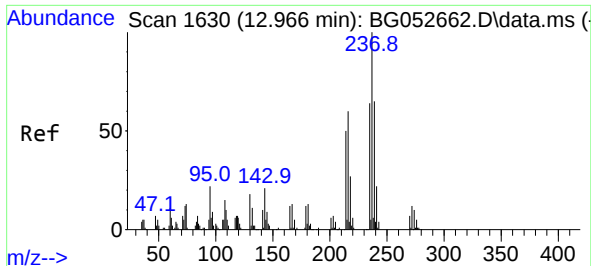
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.692 ng
RT: 12.974 min Scan# 1632
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

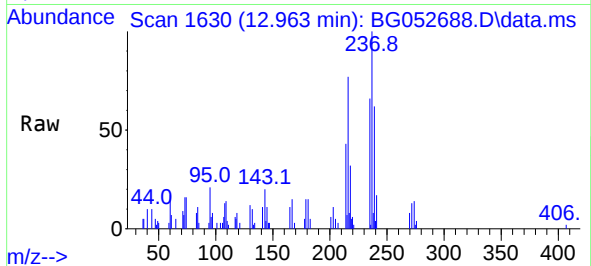
Tgt Ion:216 Resp: 16021
Ion Ratio Lower Upper
216 100
214 78.1 63.8 95.6
179 21.0 15.7 23.5
108 17.0 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 5.348 ng
RT: 12.963 min Scan# 10824
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

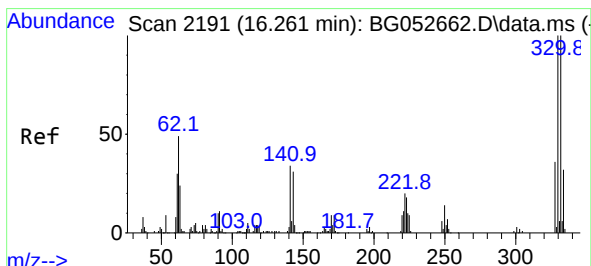
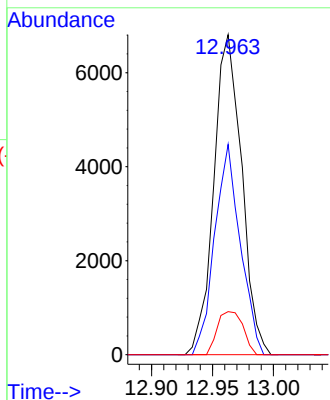
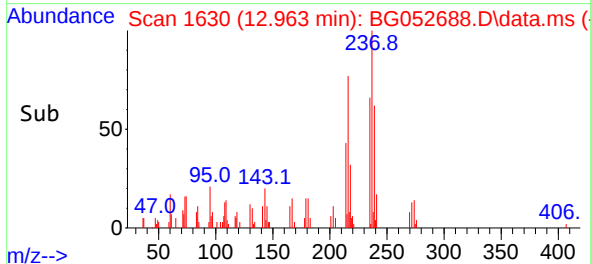
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



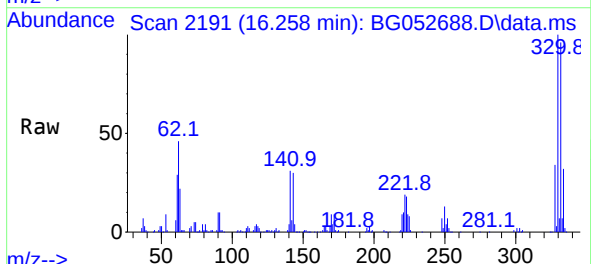
Tgt Ion:237 Resp: 10824
Ion Ratio Lower Upper
237 100
235 65.7 37.7 77.7
272 13.5 0.0 30.7

Manual Integrations
APPROVED

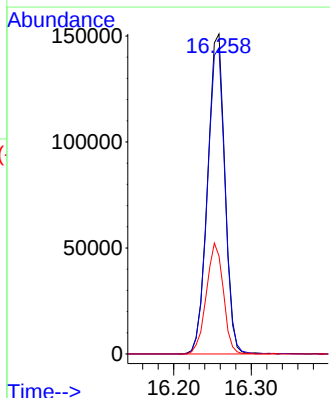
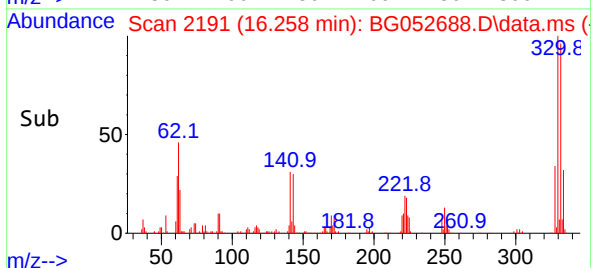
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

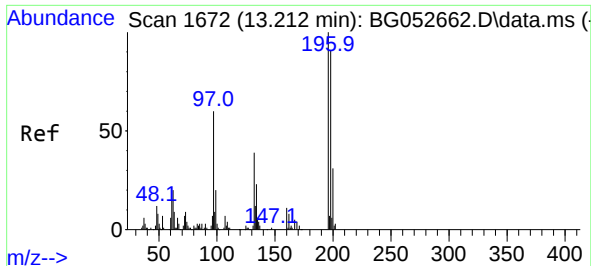


#42
2,4,6-Tribromophenol
Concen: 160.076 ng
RT: 16.258 min Scan# 2191
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



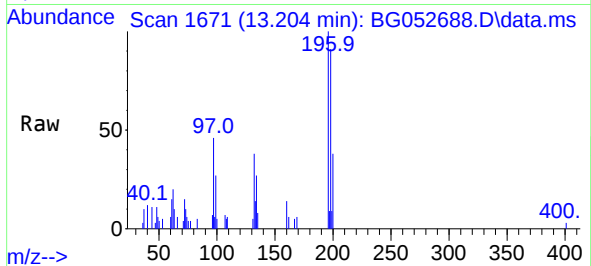
Tgt Ion:330 Resp: 235103
Ion Ratio Lower Upper
330 100
332 96.6 75.8 113.6
141 33.9 24.6 36.8





#43
2,4,6-Trichlorophenol
Concen: 3.798 ng m
RT: 13.204 min Scan# 1672
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

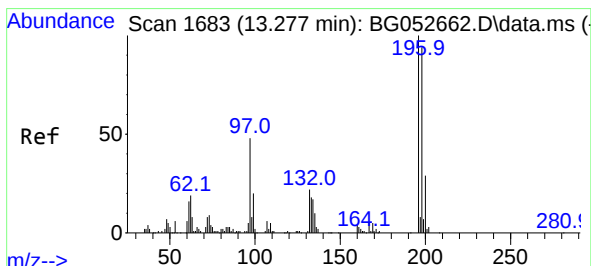
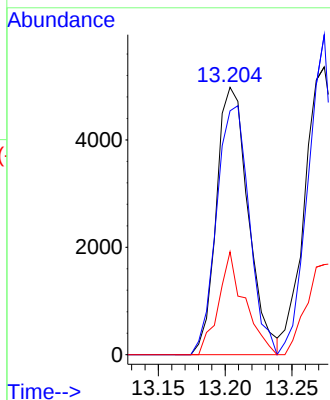
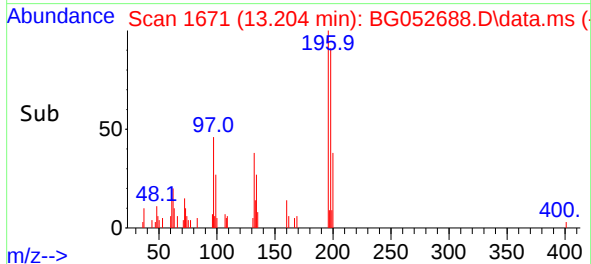
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



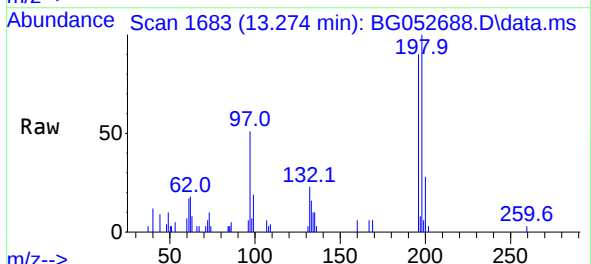
Tgt Ion:196 Resp: 8300
Ion Ratio Lower Upper
196 100
198 91.2 78.8 118.2
200 38.5 25.1 37.7

Manual Integrations
APPROVED

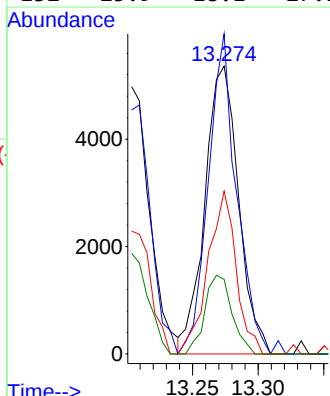
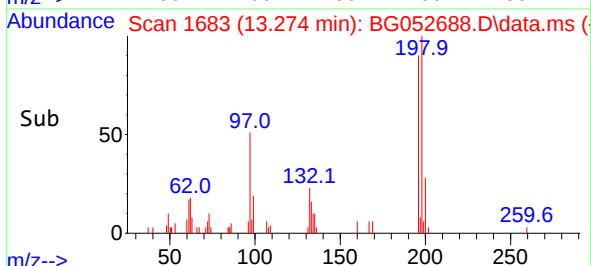
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

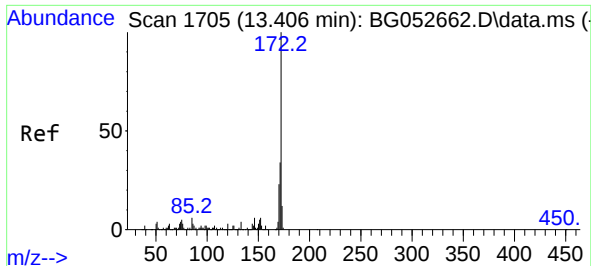


#44
2,4,5-Trichlorophenol
Concen: 4.312 ng
RT: 13.274 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



Tgt Ion:196 Resp: 9571
Ion Ratio Lower Upper
196 100
198 111.2 75.8 113.6
97 56.6 36.5 54.7#
132 25.9 18.1 27.1





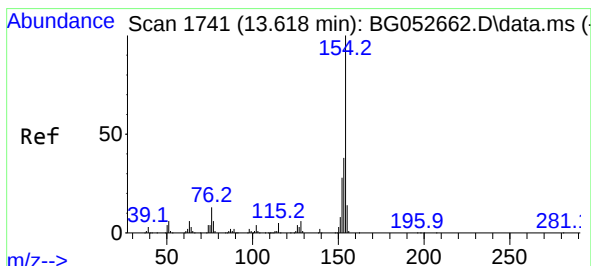
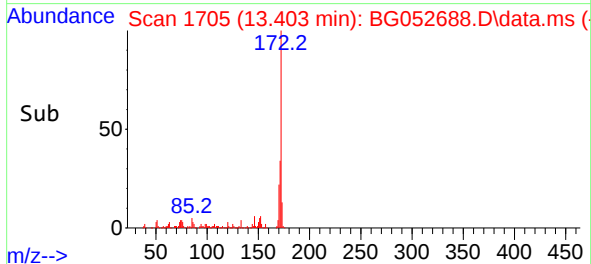
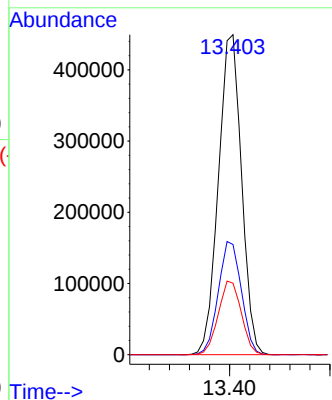
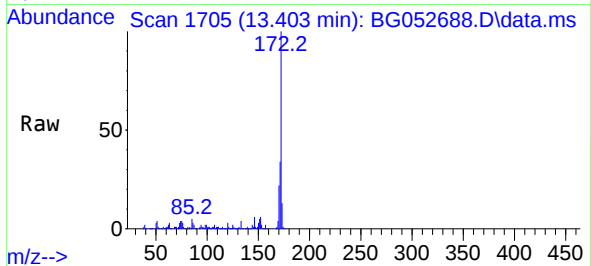
#45
2-Fluorobiphenyl
Concen: 96.919 ng
RT: 13.403 min Scan# 1705
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:172 Resp: 718258
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.4 18.0 27.0

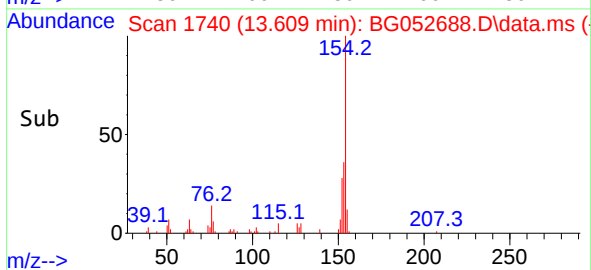
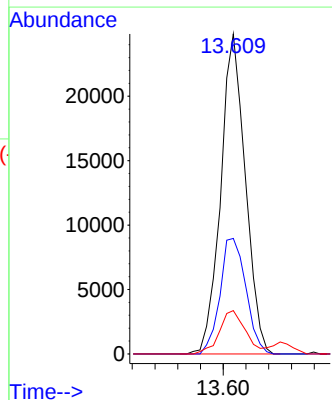
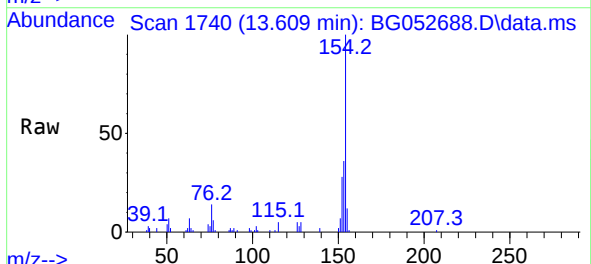
Manual Integrations
APPROVED

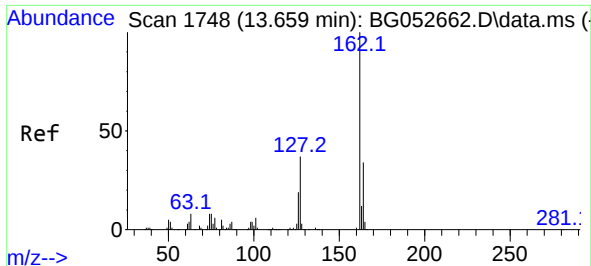
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#46
1,1'-Biphenyl
Concen: 4.889 ng
RT: 13.609 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

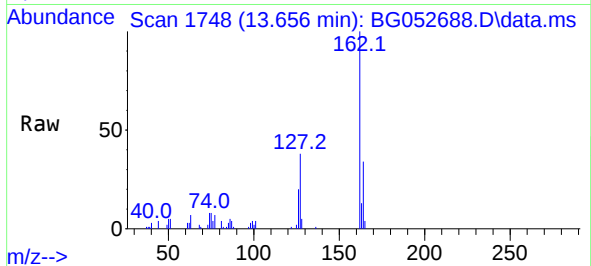
Tgt Ion:154 Resp: 37367
Ion Ratio Lower Upper
154 100
153 36.1 21.6 61.6
76 13.6 0.0 31.5





#47
2-Chloronaphthalene
Concen: 4.560 ng
RT: 13.656 min Scan# 1748
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

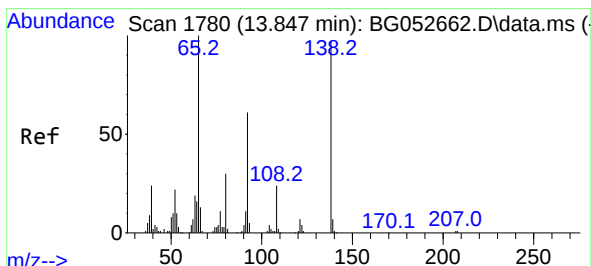
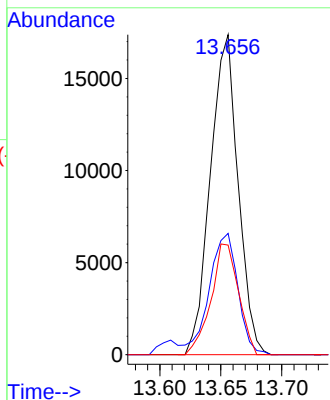
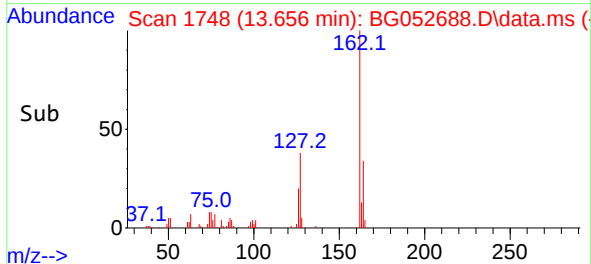
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



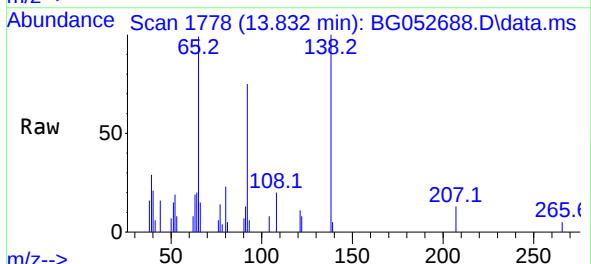
Tgt Ion:162 Resp: 27449
Ion Ratio Lower Upper
162 100
127 37.9 28.1 42.1
164 34.3 26.0 39.0

Manual Integrations
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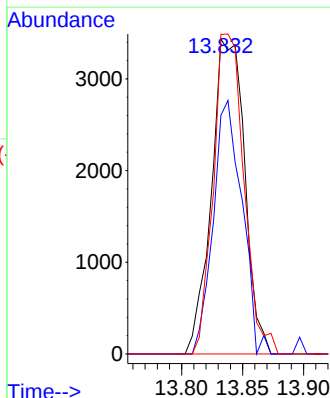
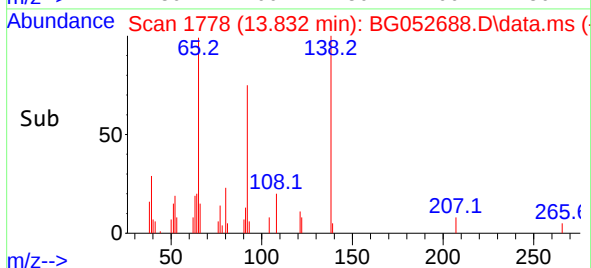
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

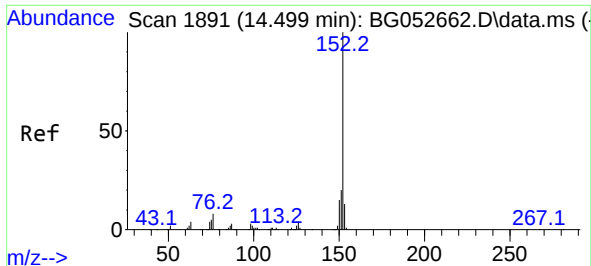


#48
2-Nitroaniline
Concen: 3.944 ng
RT: 13.832 min Scan# 1778
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



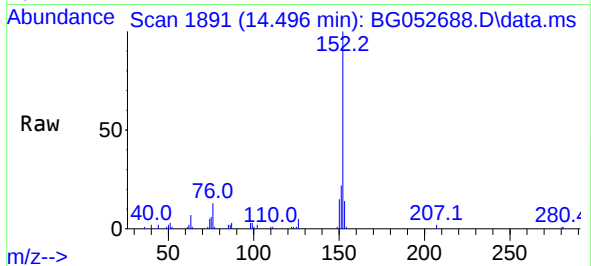
Tgt Ion: 65 Resp: 6493
Ion Ratio Lower Upper
65 100
92 75.8 52.1 78.1
138 101.5 80.1 120.1





#49
Acenaphthylene
Concen: 4.687 ng
RT: 14.496 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

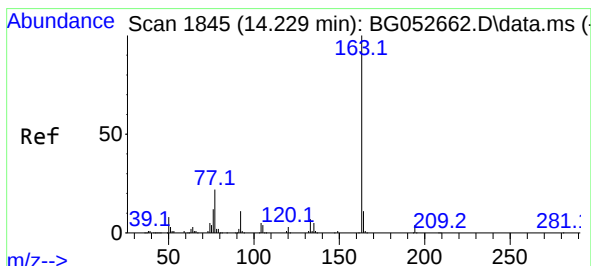
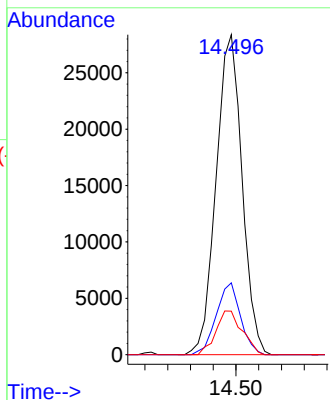
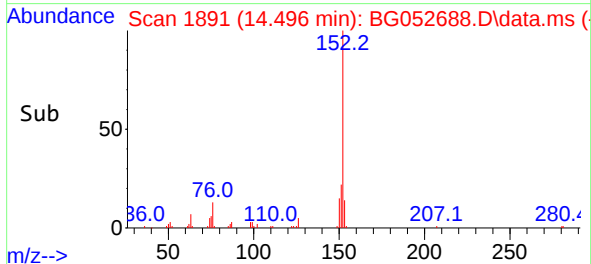
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2022



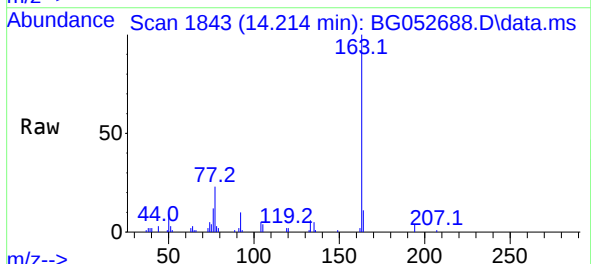
Tgt Ion:152 Resp: 44975
Ion Ratio Lower Upper
152 100
151 22.5 15.8 23.6
153 13.6 10.6 15.8

Manual Integrations
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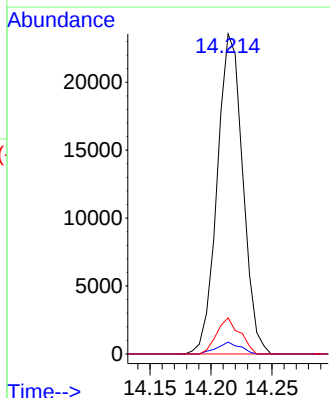
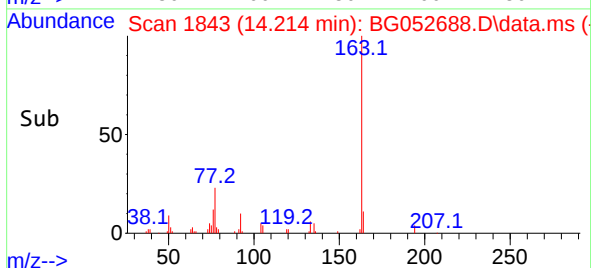
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

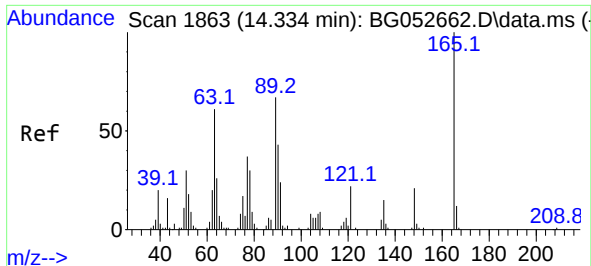


#50
Dimethylphthalate
Concen: 4.227 ng
RT: 14.214 min Scan# 1843
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



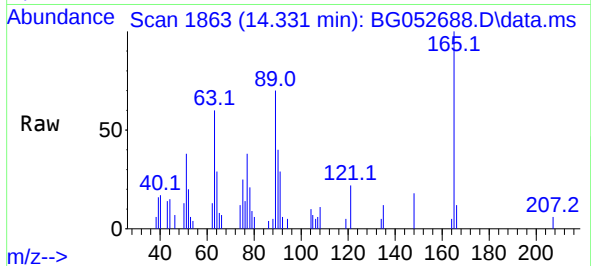
Tgt Ion:163 Resp: 34337
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 11.3 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 4.382 ng
RT: 14.331 min Scan# 1863
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

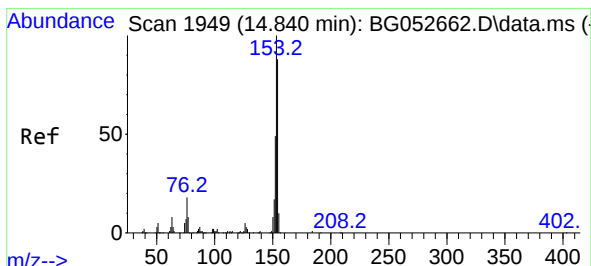
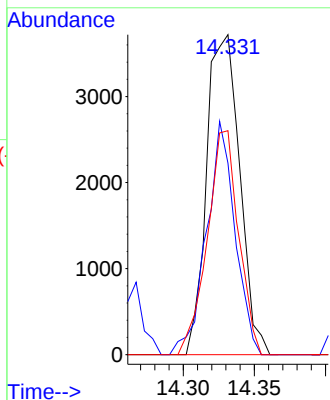
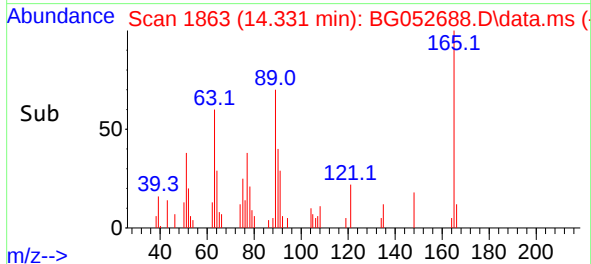
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 6010
Ion Ratio Lower Upper
165 100
63 59.9 43.7 65.5
89 70.0 45.0 67.4

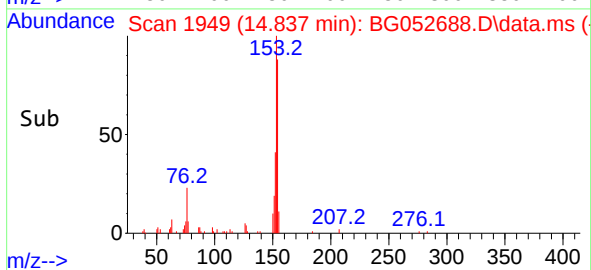
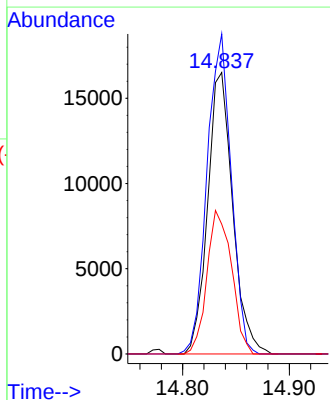
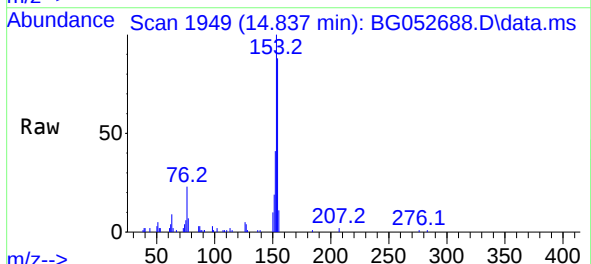
Manual Integrations
APPROVED

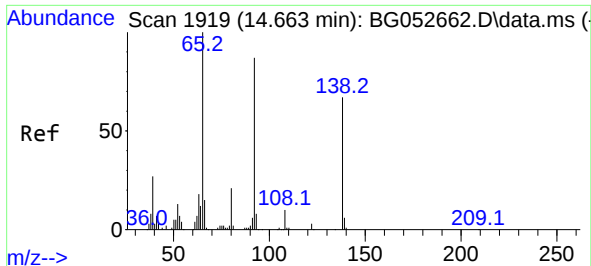
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#52
Acenaphthene
Concen: 4.391 ng
RT: 14.837 min Scan# 1949
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

Tgt Ion:154 Resp: 26994
Ion Ratio Lower Upper
154 100
153 113.7 89.0 133.4
152 46.1 40.5 60.7





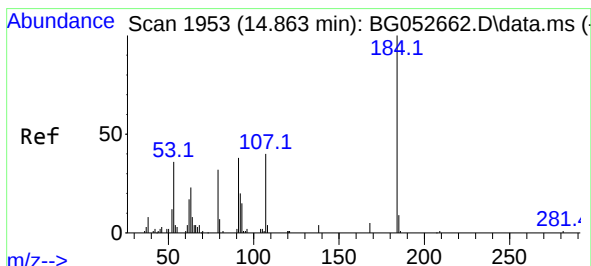
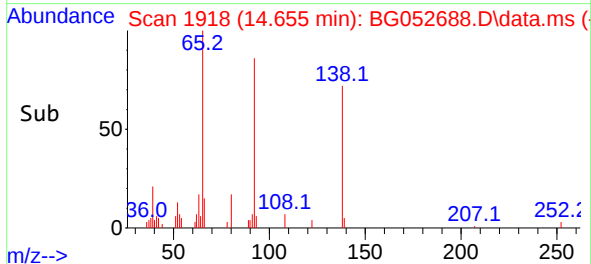
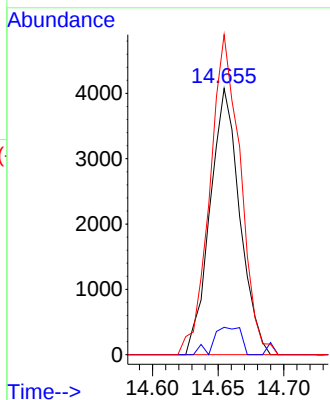
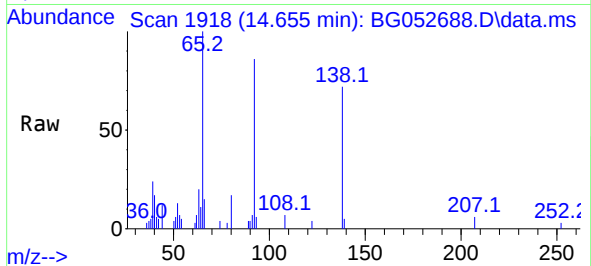
#53
3-Nitroaniline
Concen: 3.997 ng
RT: 14.655 min Scan# 1919
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:138 Resp: 6414
Ion Ratio Lower Upper
138 100
108 10.3 8.0 12.0
92 120.2 96.2 144.2

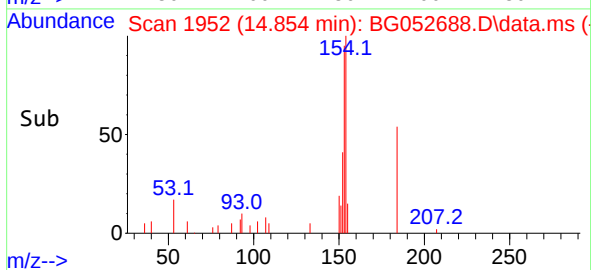
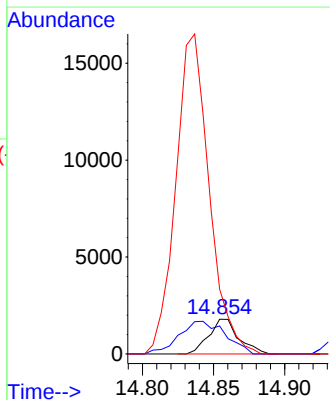
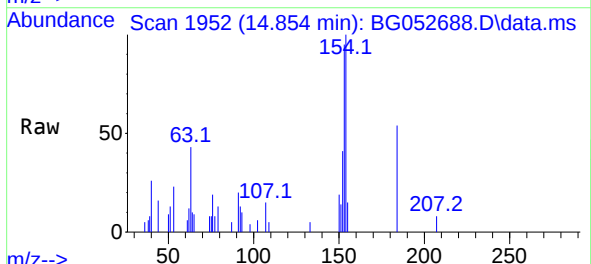
Manual Integrations
APPROVED

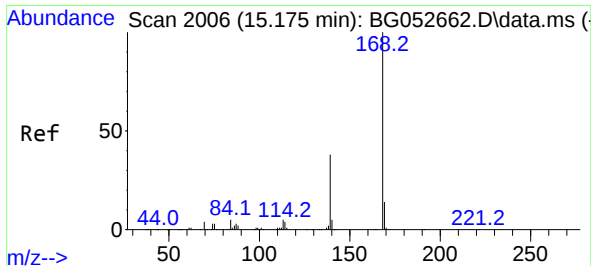
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#54
2,4-Dinitrophenol
Concen: 3.499 ng
RT: 14.854 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

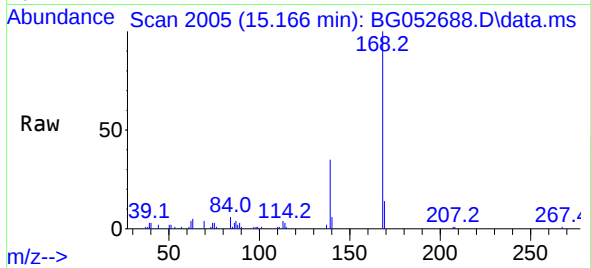
Tgt Ion:184 Resp: 2616
Ion Ratio Lower Upper
184 100
63 80.6 51.8 77.6#
154 186.7 47.8 71.6#





#55
Dibenzenofuran
Concen: 4.521 ng
RT: 15.166 min Scan# 2006
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

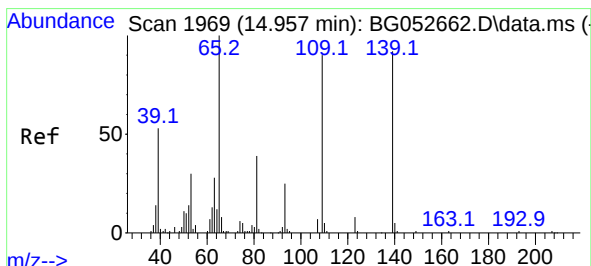
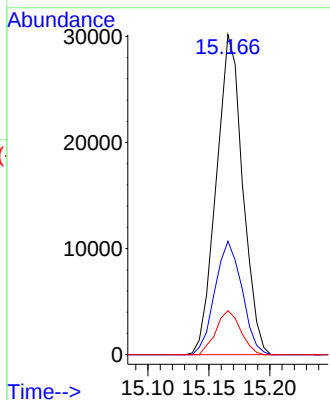
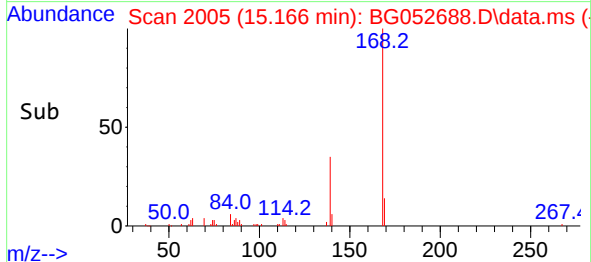
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:168 Resp: 45389
Ion Ratio Lower Upper
168 100
139 35.5 30.2 45.4
169 13.7 10.7 16.1

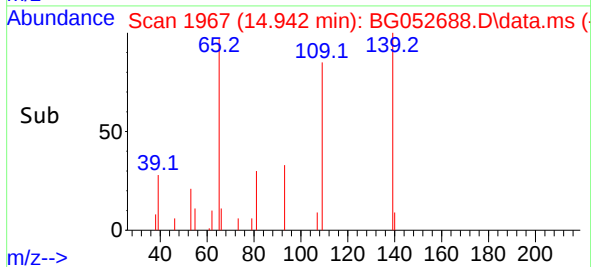
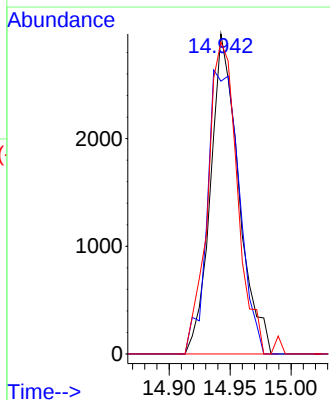
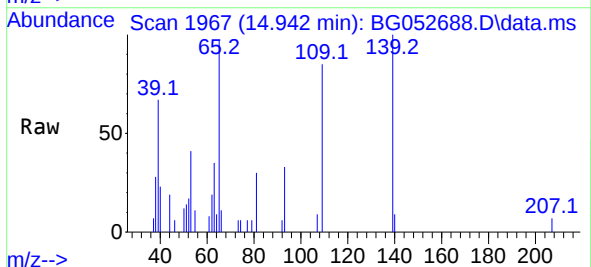
Manual Integrations
APPROVED

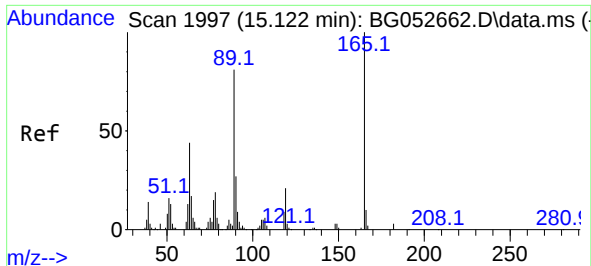
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#56
4-Nitrophenol
Concen: 3.655 ng
RT: 14.942 min Scan# 1967
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

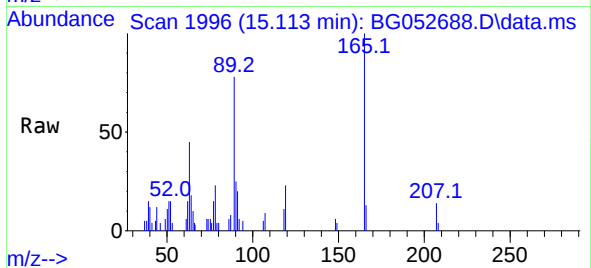
Tgt Ion:139 Resp: 4785
Ion Ratio Lower Upper
139 100
109 85.2 67.1 107.1
65 97.5 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 4.340 ng
RT: 15.113 min Scan# 1996
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

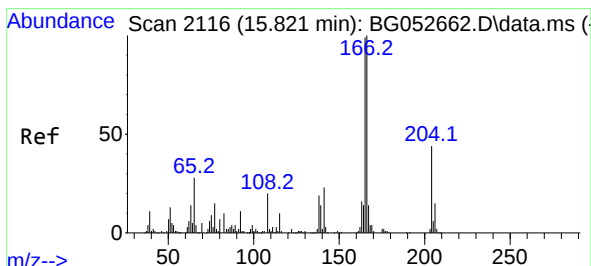
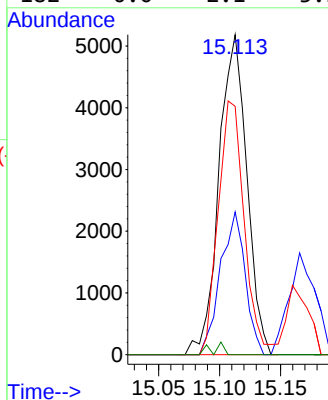
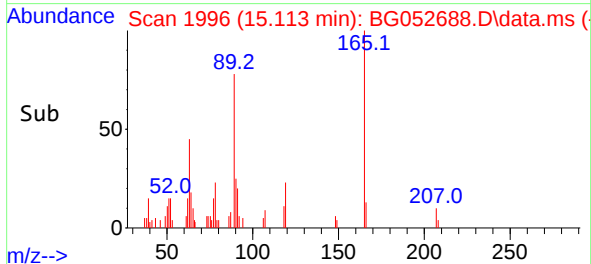
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 8259
Ion Ratio Lower Upper
165 100
63 44.6 34.8 52.2
89 77.6 57.4 86.0
182 0.0 2.1 3.1#

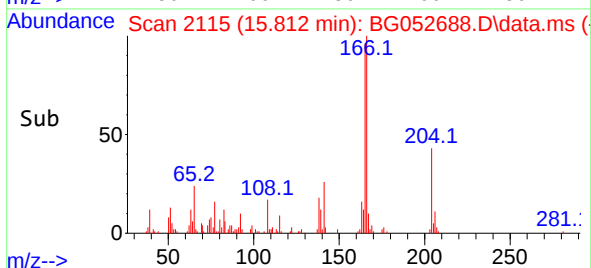
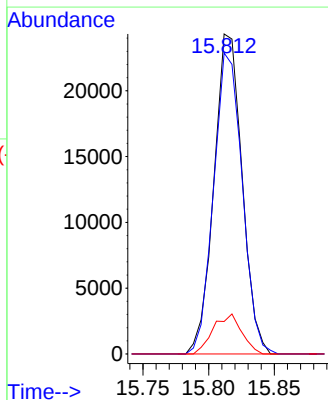
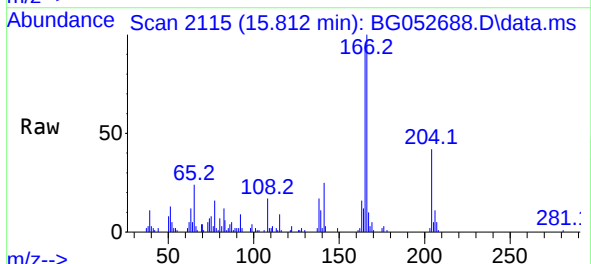
Manual Integrations
APPROVED

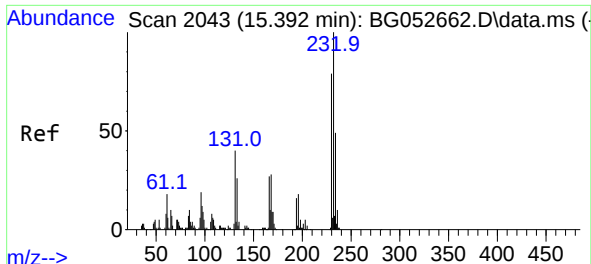
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#58
Fluorene
Concen: 4.429 ng
RT: 15.812 min Scan# 2115
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

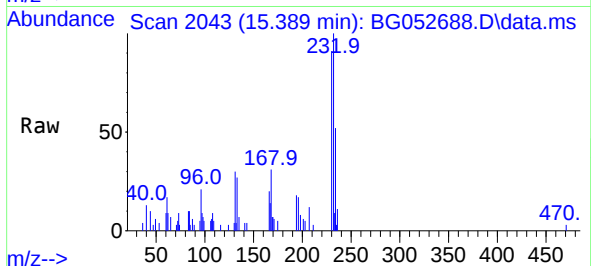
Tgt Ion:166 Resp: 36247
Ion Ratio Lower Upper
166 100
165 94.0 78.6 117.8
167 10.2 10.9 16.3#





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.517 ng
RT: 15.389 min Scan# 2043
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

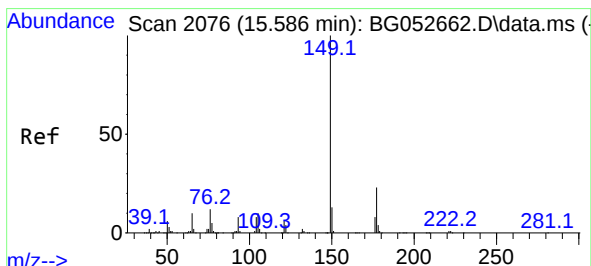
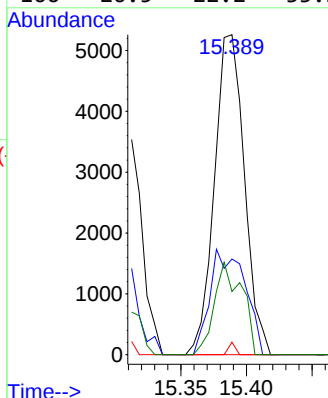
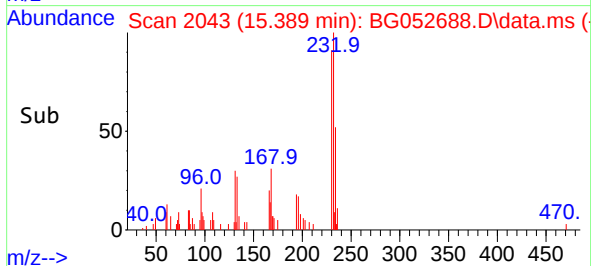
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:232 Resp: 834
Ion Ratio Lower Upper
232 100
131 38.5 30.1 45.1
130 0.9 1.8 2.8
166 26.5 22.2 33.2

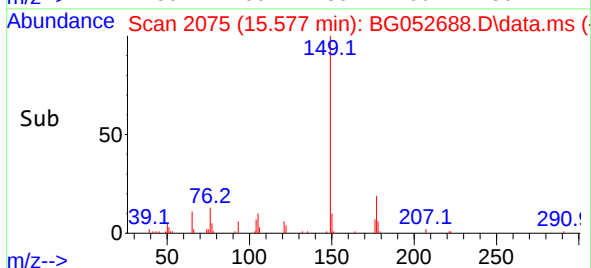
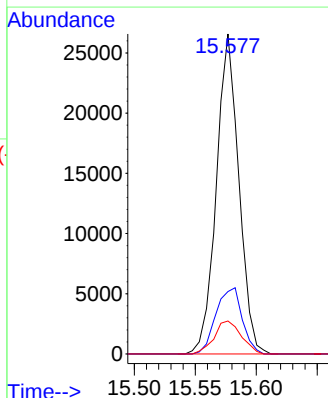
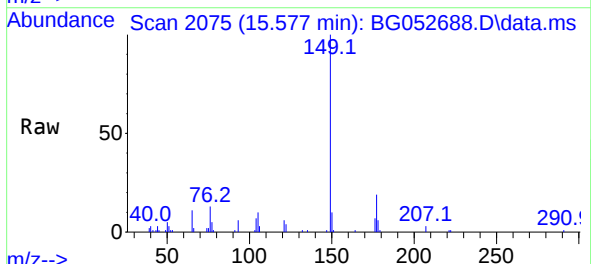
Manual Integrations
APPROVED

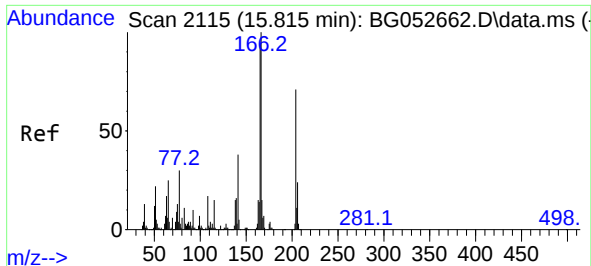
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#60
Diethylphthalate
Concen: 3.974 ng
RT: 15.577 min Scan# 2075
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

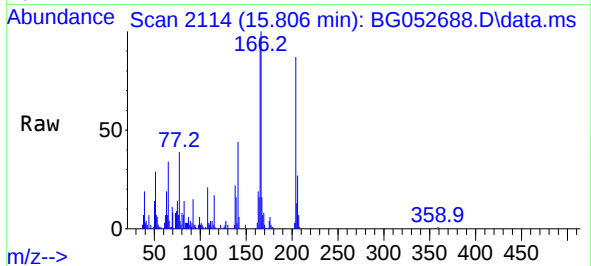
Tgt Ion:149 Resp: 34076
Ion Ratio Lower Upper
149 100
177 19.5 18.2 27.2
150 10.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.397 ng
RT: 15.806 min Scan# 2114
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

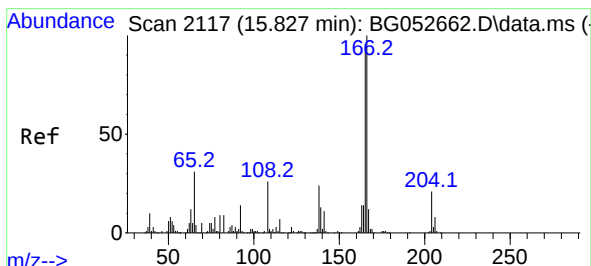
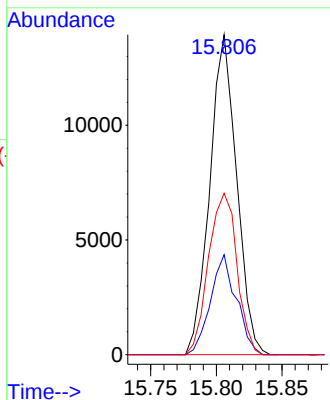
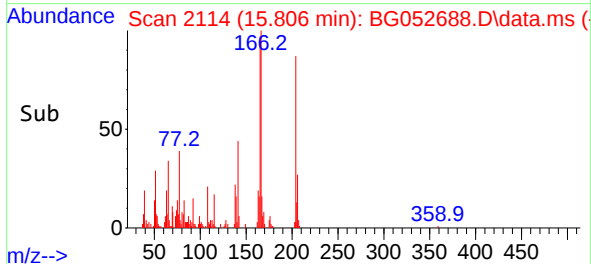
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



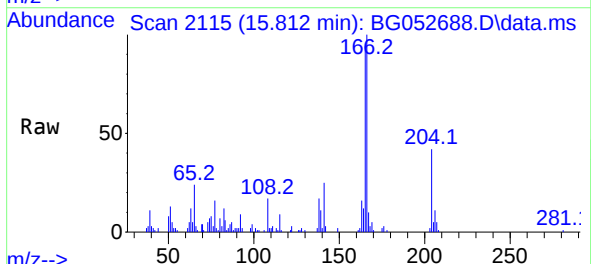
Tgt Ion:204 Resp: 1984
Ion Ratio Lower Upper
204 100
206 31.3 28.3 42.5
141 50.5 45.8 68.8

Manual Integrations
APPROVED

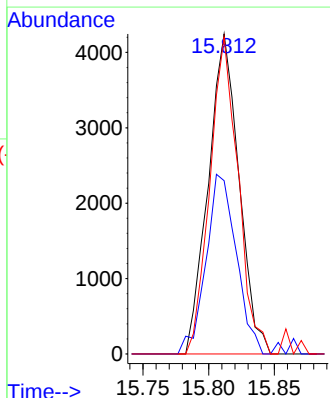
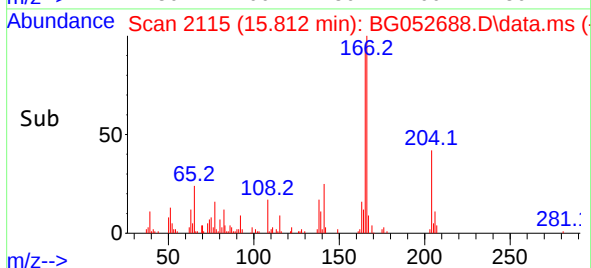
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

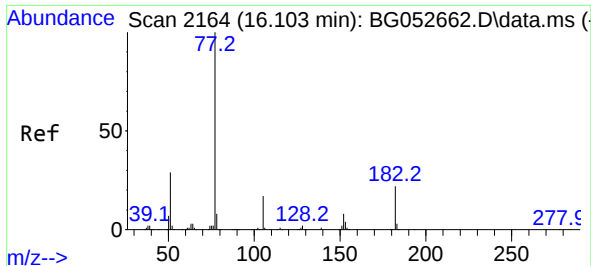


#62
4-Nitroaniline
Concen: 4.071 ng
RT: 15.812 min Scan# 2115
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



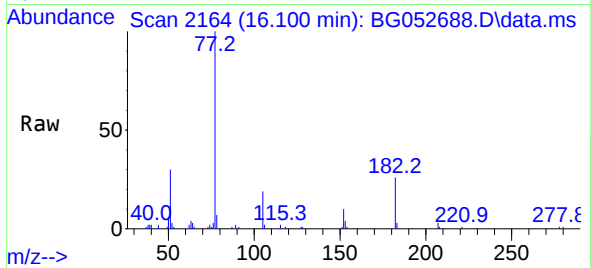
Tgt Ion:138 Resp: 6903
Ion Ratio Lower Upper
138 100
92 54.1 33.3 73.3
108 99.0 74.2 114.2





#63
Azobenzene
Concen: 4.168 ng
RT: 16.100 min Scan# 2164
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

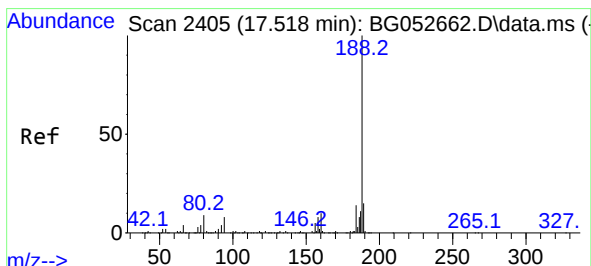
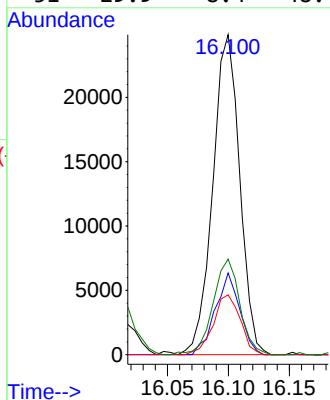
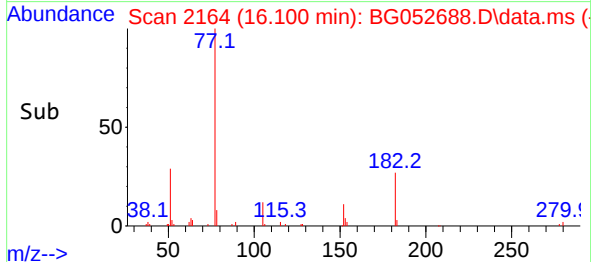
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 3820
Ion Ratio Lower Upper
77 100
182 25.6 5.6 45.6
105 18.7 0.0 38.8
51 29.9 8.4 48.4

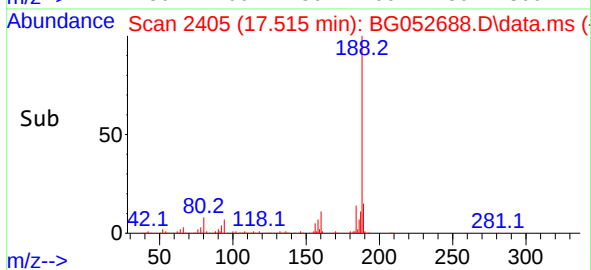
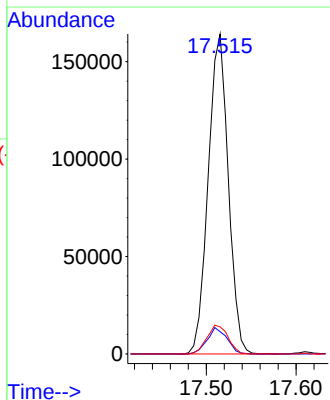
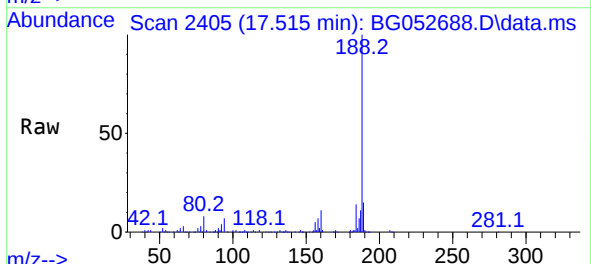
Manual Integrations
APPROVED

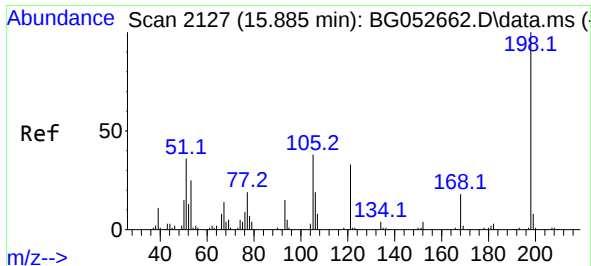
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.515 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

Tgt Ion:188 Resp: 254578
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.5 7.2 10.8





#65

4,6-Dinitro-2-methylphenol

Concen: 3.459 ng

RT: 15.871 min Scan# 2127

Delta R.T. -0.015 min

Lab File: BG052688.D

Acq: 17 Mar 2022 12:11

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2022

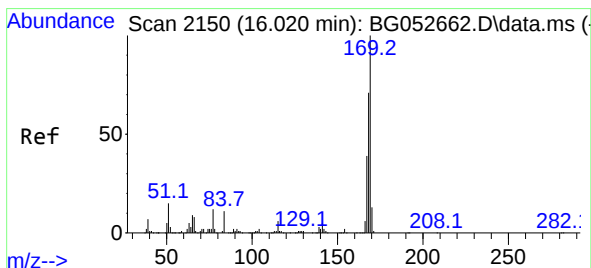
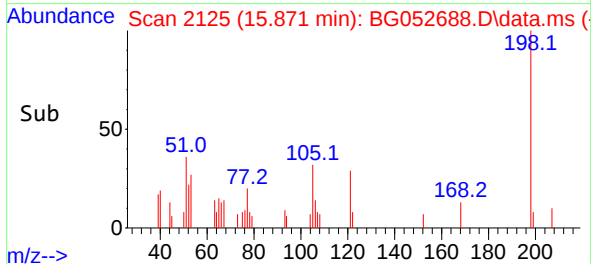
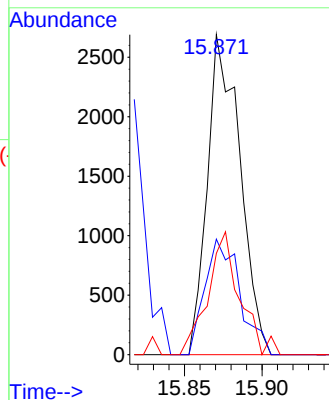
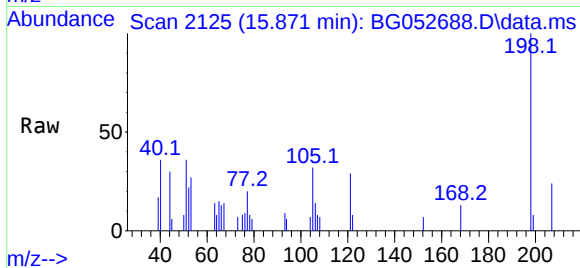
Tgt Ion:198	Resp:	3920
Ion Ratio	Lower	Upper
198	100	
51	36.1	21.7 61.7
105	31.6	20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/18/2022

Supervised By :Jagrut Upadhyay 03/18/2022



#66

n-Nitrosodiphenylamine

Concen: 4.414 ng

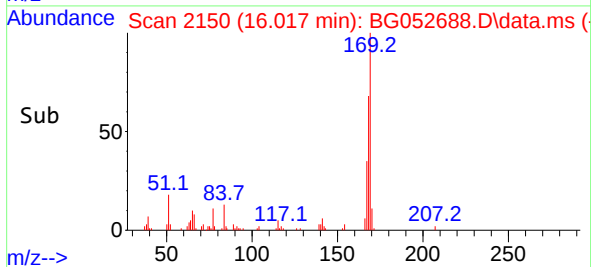
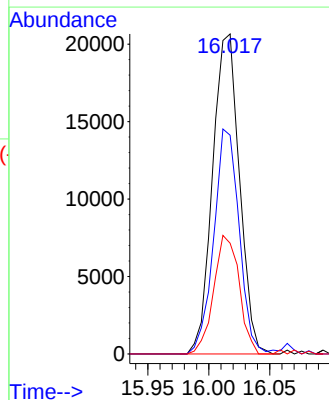
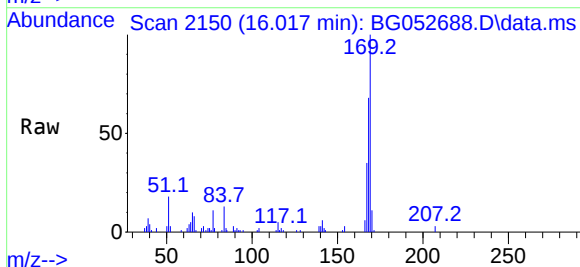
RT: 16.017 min Scan# 2150

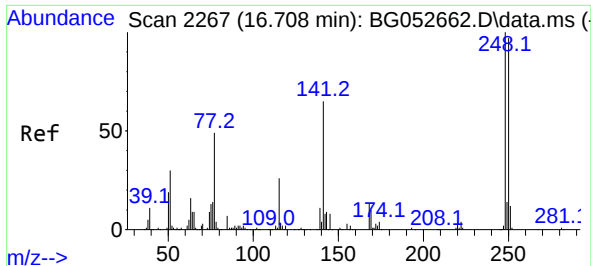
Delta R.T. -0.003 min

Lab File: BG052688.D

Acq: 17 Mar 2022 12:11

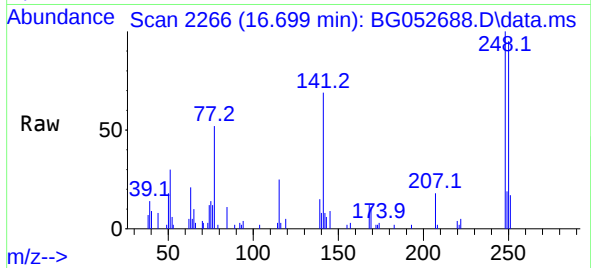
Tgt Ion:169	Resp:	31636
Ion Ratio	Lower	Upper
169	100	
168	68.4	54.5 81.7
167	34.6	29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 3.964 ng
RT: 16.699 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

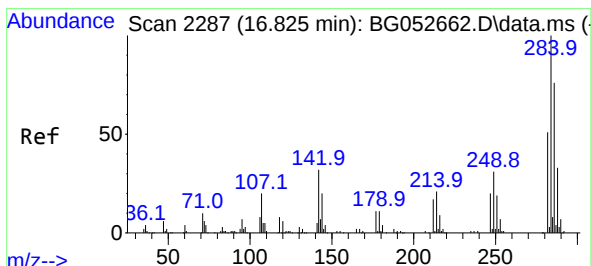
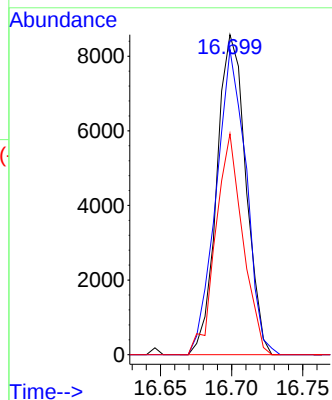
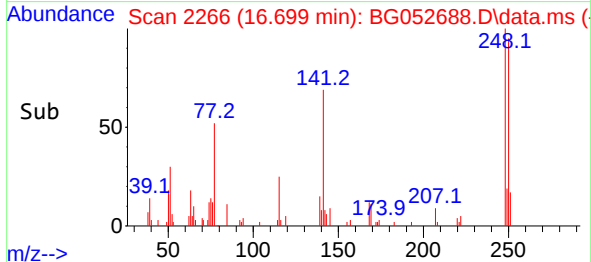
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



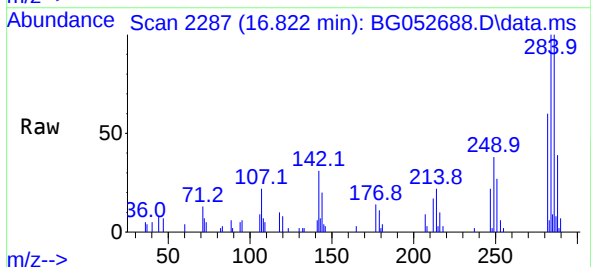
Tgt Ion:248 Resp: 1216
Ion Ratio Lower Upper
248 100
250 95.3 77.9 116.9
141 69.0 49.2 73.8

Manual Integrations
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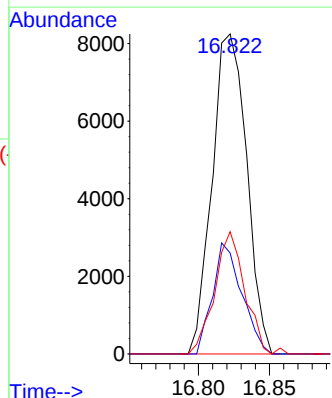
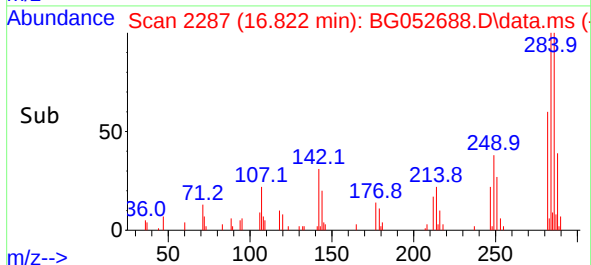
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

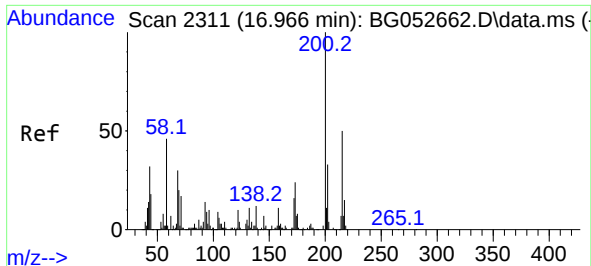


#68
Hexachlorobenzene
Concen: 4.222 ng
RT: 16.822 min Scan# 2287
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



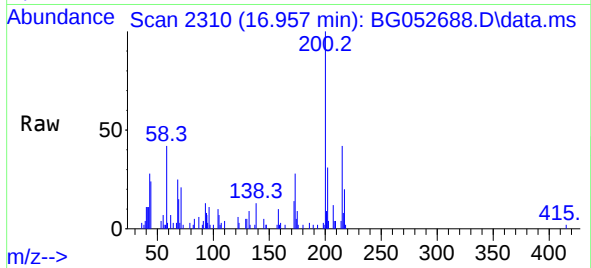
Tgt Ion:284 Resp: 13929
Ion Ratio Lower Upper
284 100
142 31.5 21.0 31.4#
249 38.2 22.7 34.1#





#69
Atrazine
Concen: 4.649 ng
RT: 16.957 min Scan# 211
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

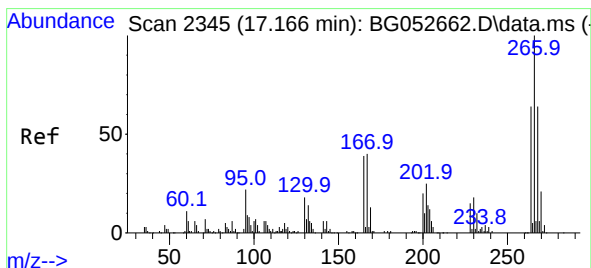
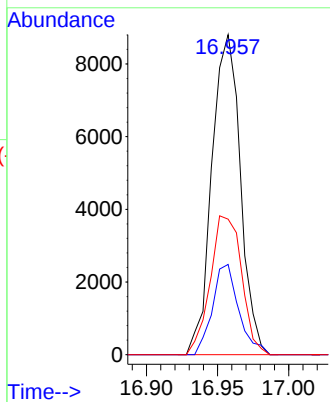
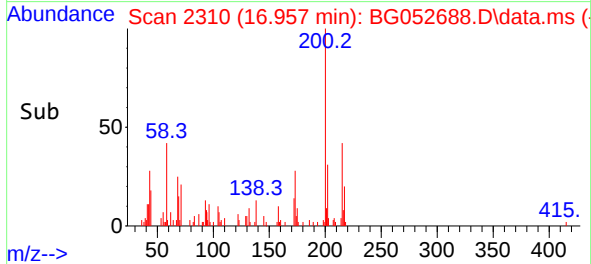
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



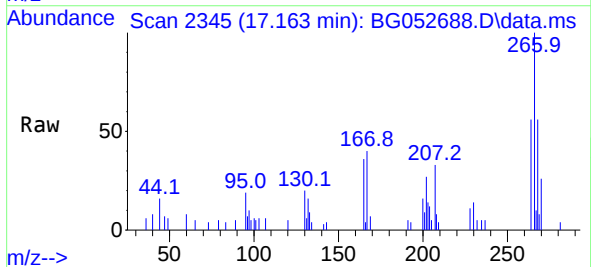
Tgt Ion:200 Resp: 1228
Ion Ratio Lower Upper
200 100
173 28.2 3.8 43.8
215 42.4 26.3 66.3

Manual Integrations
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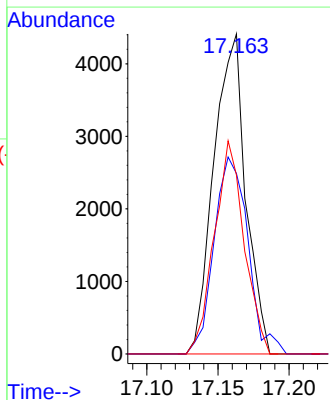
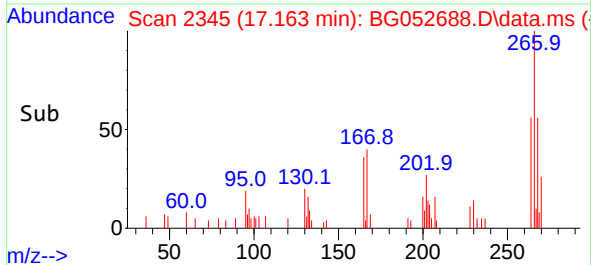
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

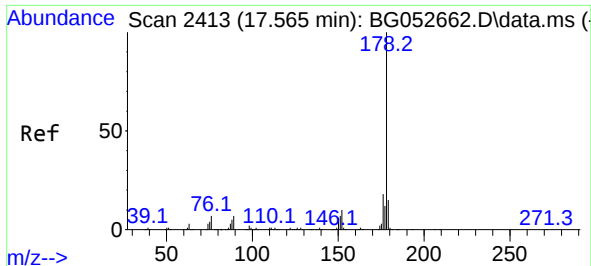


#70
Pentachlorophenol
Concen: 3.359 ng
RT: 17.163 min Scan# 2345
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



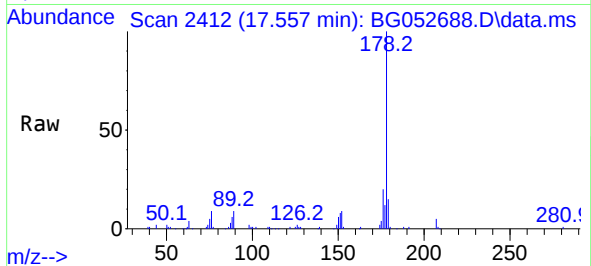
Tgt Ion:266 Resp: 6875
Ion Ratio Lower Upper
266 100
268 56.4 45.9 68.9
264 55.9 45.3 67.9





#71
Phenanthrene
Concen: 4.490 ng
RT: 17.557 min Scan# 2413
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

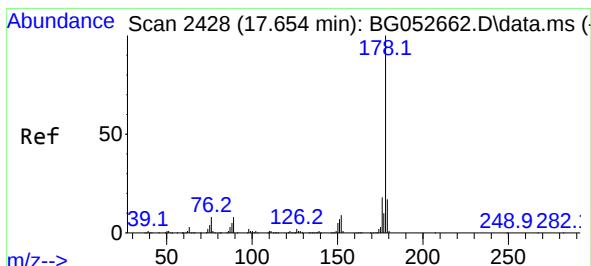
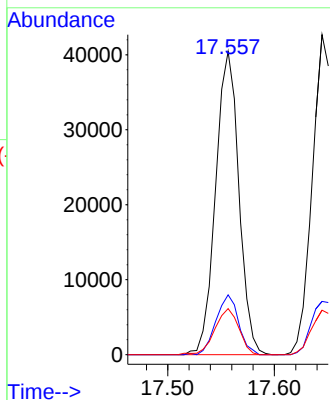
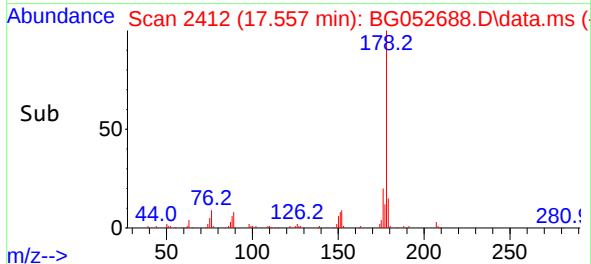
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



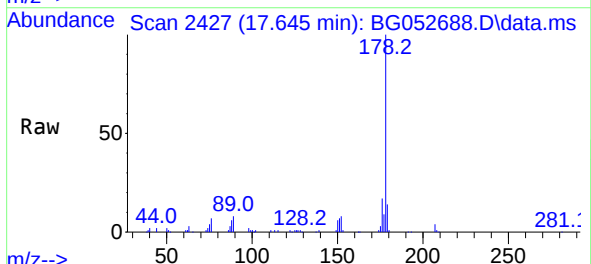
Tgt Ion:178 Resp: 61149
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.2 13.4 20.2

Manual Integrations
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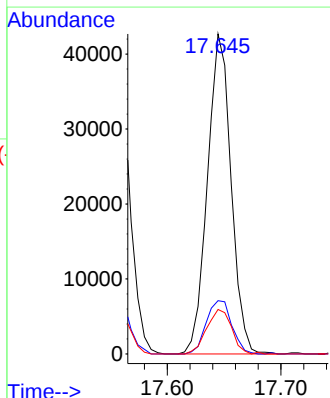
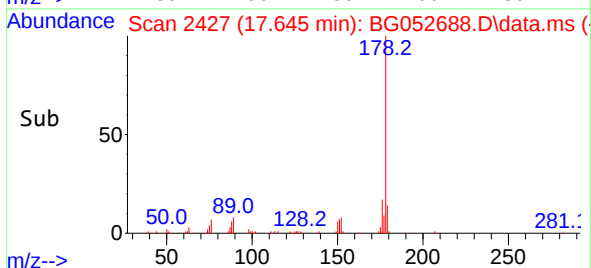
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

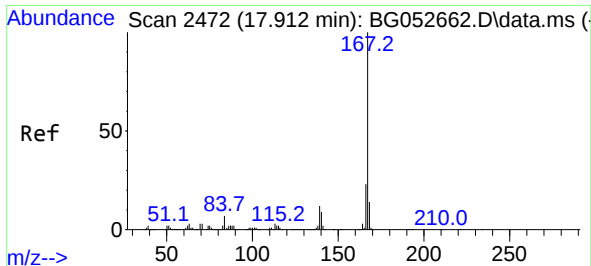


#72
Anthracene
Concen: 4.584 ng
RT: 17.645 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



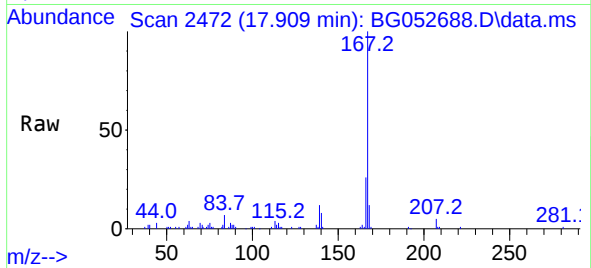
Tgt Ion:178 Resp: 61710
Ion Ratio Lower Upper
178 100
176 16.7 14.7 22.1
179 13.9 13.2 19.8





#73
 Carbazole
 Concen: 4.038 ng
 RT: 17.909 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11

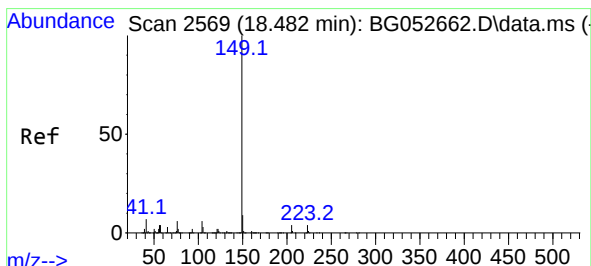
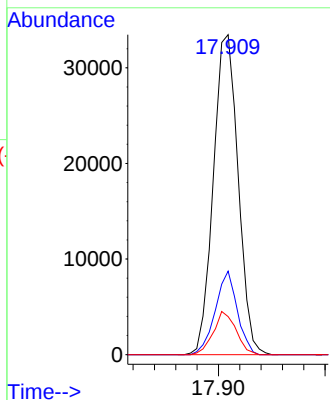
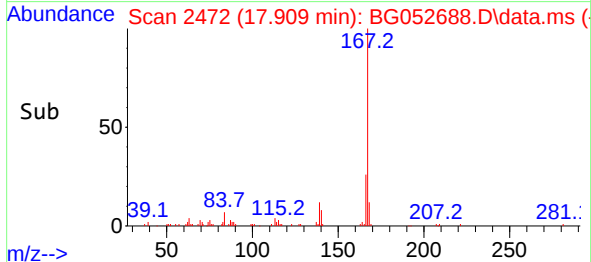
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:167 Resp: 5383
 Ion Ratio Lower Upper
 167 100
 166 26.1 18.5 27.7
 139 11.9 10.0 15.0

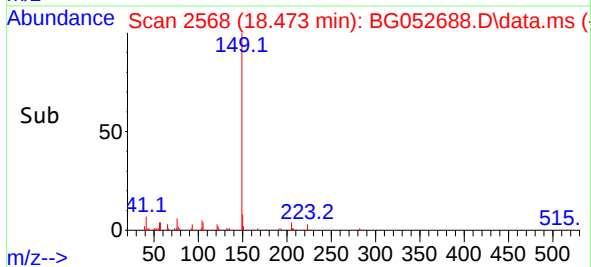
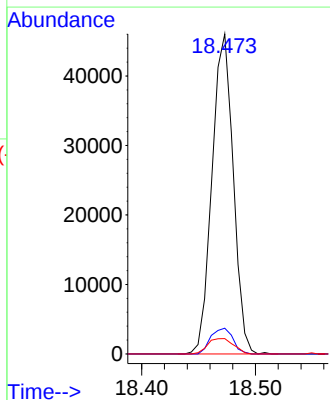
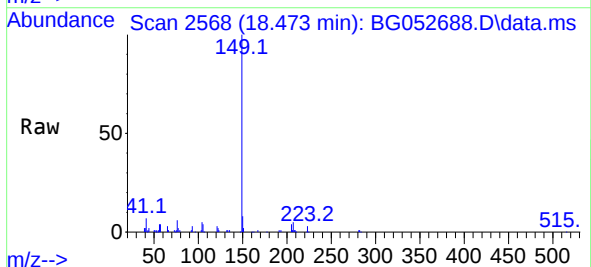
Manual Integrations
 APPROVED

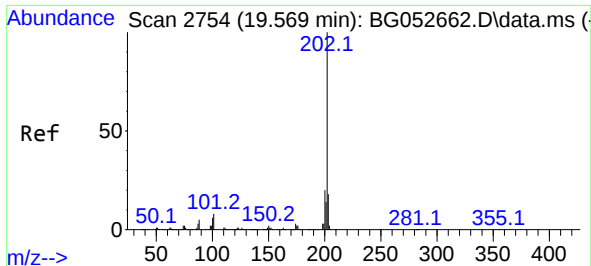
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#74
 Di-n-butylphthalate
 Concen: 4.103 ng
 RT: 18.473 min Scan# 2568
 Delta R.T. -0.009 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11

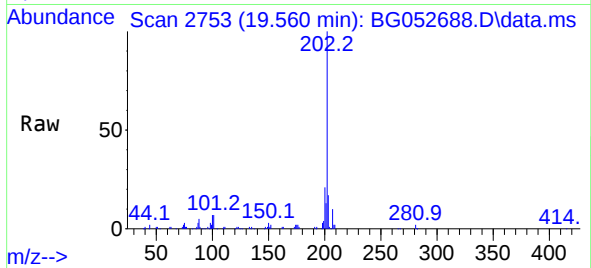
Tgt Ion:149 Resp: 59767
 Ion Ratio Lower Upper
 149 100
 150 8.0 7.0 10.6
 104 4.8 4.6 7.0





#75
Fluoranthene
Concen: 4.428 ng
RT: 19.560 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

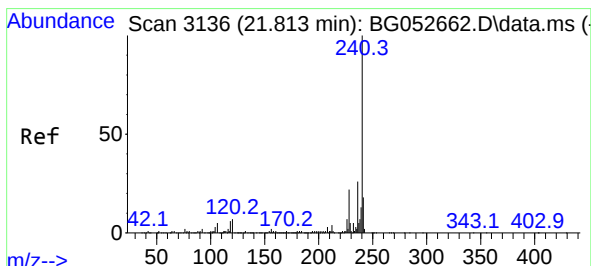
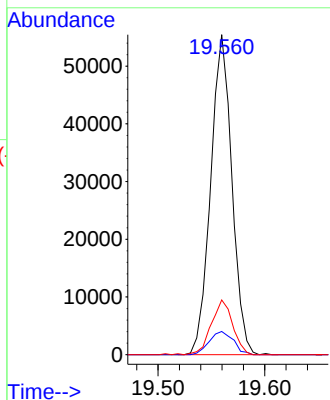
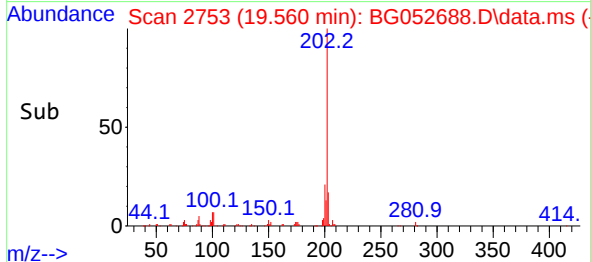
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:202 Resp: 7655
Ion Ratio Lower Upper
202 100
101 7.3 0.0 27.3
203 17.1 0.0 37.7

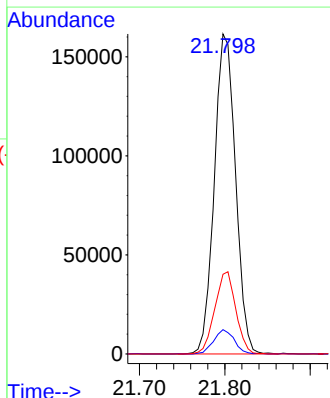
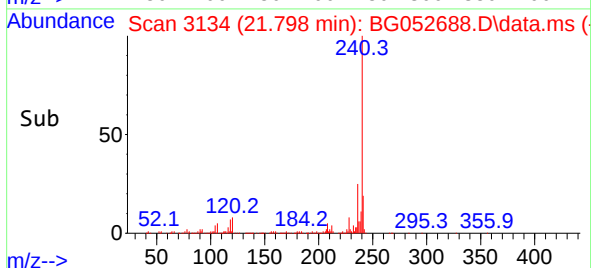
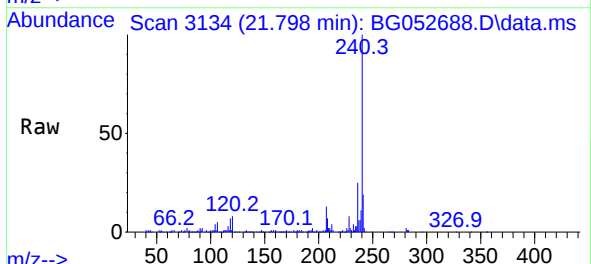
Manual Integrations
APPROVED

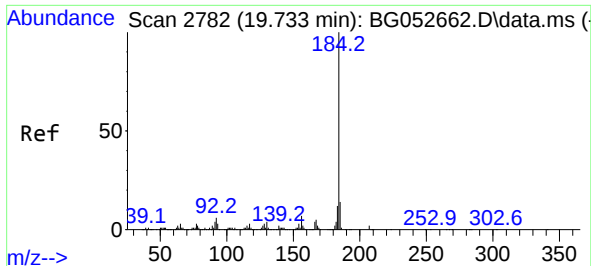
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.798 min Scan# 3134
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

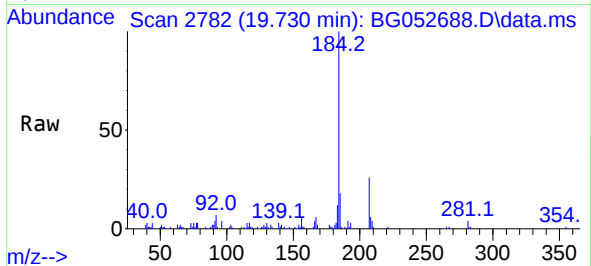
Tgt Ion:240 Resp: 278969
Ion Ratio Lower Upper
240 100
120 7.6 5.4 8.0
236 24.9 19.8 29.6





#77
Benzidine
Concen: 4.505 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

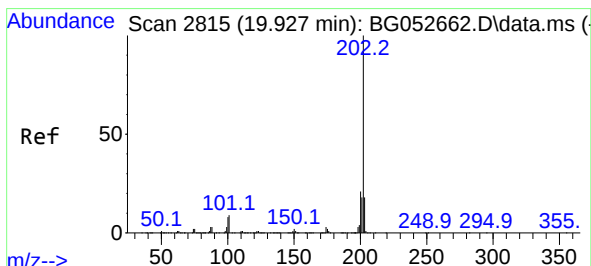
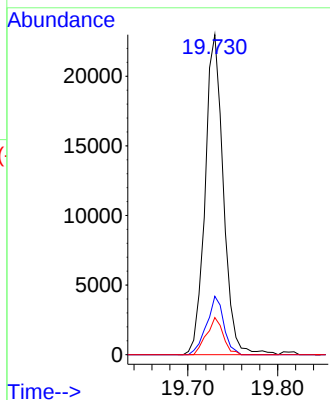
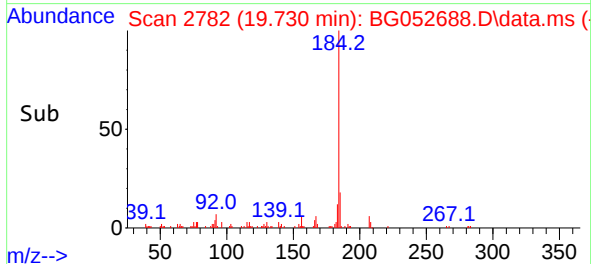
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



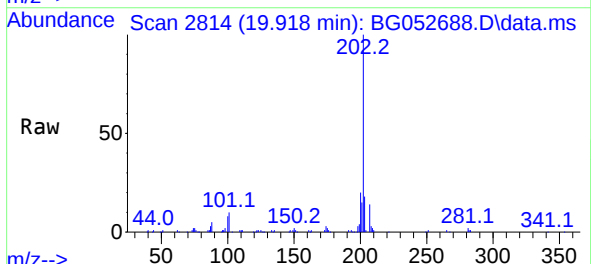
Tgt Ion:184 Resp: 32415
Ion Ratio Lower Upper
184 100
185 18.2 11.5 17.3
183 11.6 9.4 14.2

Manual Integrations
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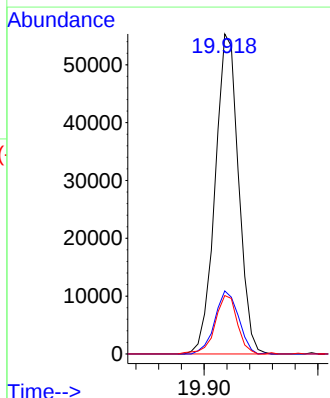
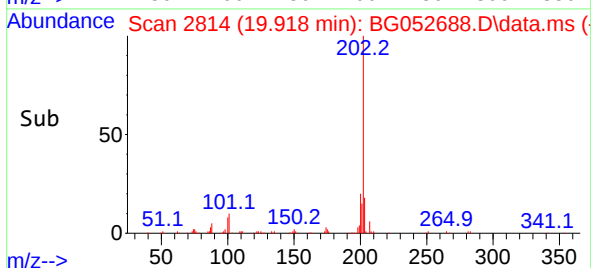
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

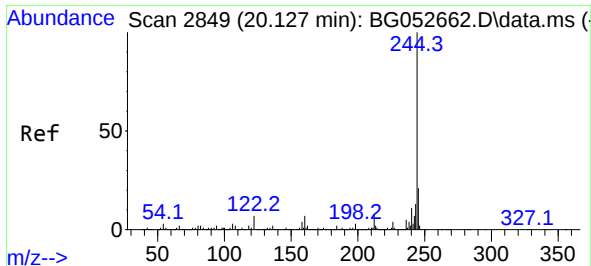


#78
Pyrene
Concen: 4.085 ng
RT: 19.918 min Scan# 2814
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



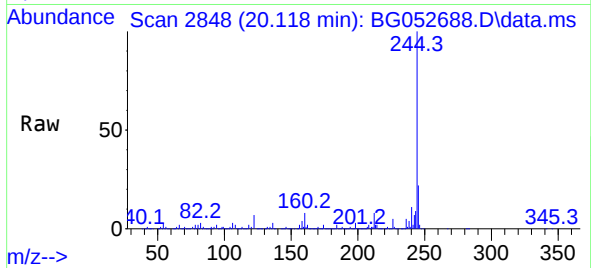
Tgt Ion:202 Resp: 79050
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.6
203 18.2 15.0 22.6





#79
 Terphenyl-d14
 Concen: 87.017 ng
 RT: 20.118 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11

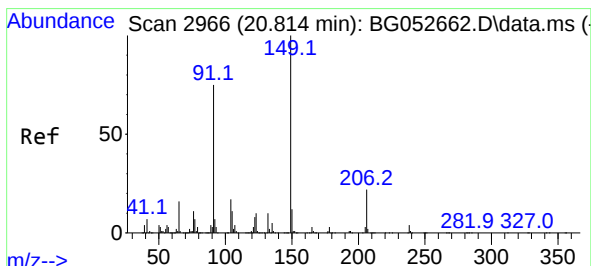
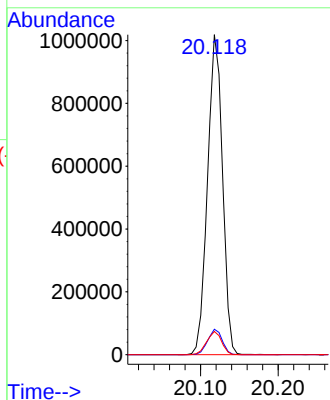
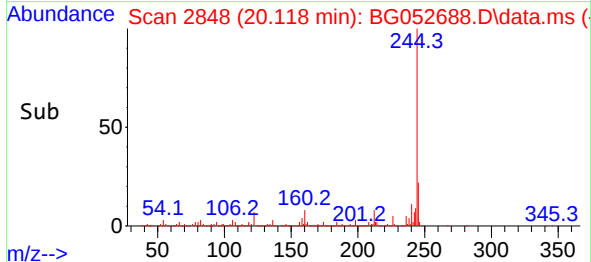
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 136465
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 7.3 5.8 8.6

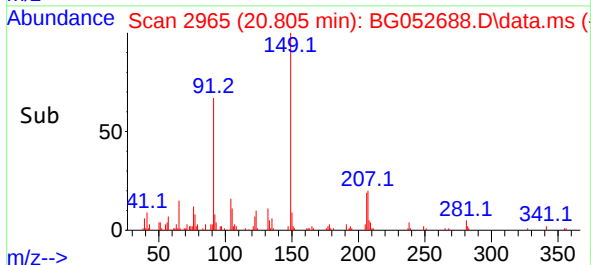
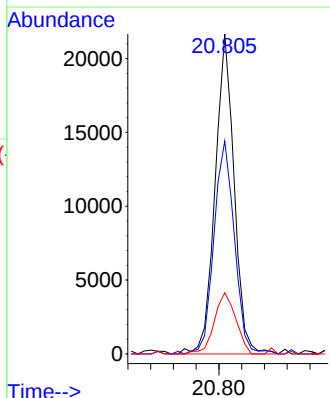
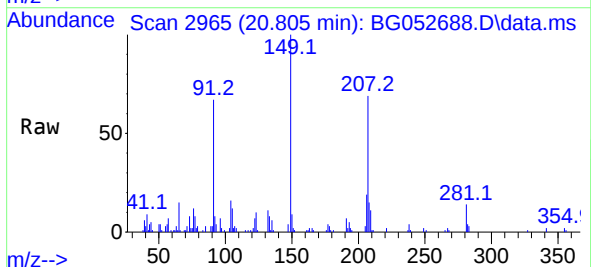
Manual Integrations
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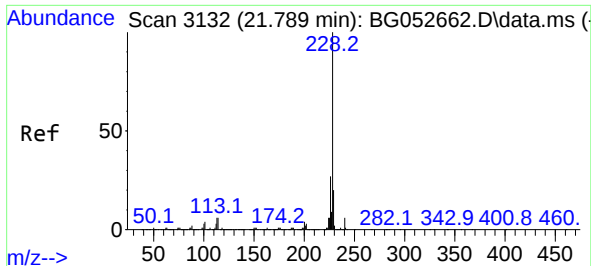
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#80
 Butylbenzylphthalate
 Concen: 3.676 ng
 RT: 20.805 min Scan# 2965
 Delta R.T. -0.009 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11

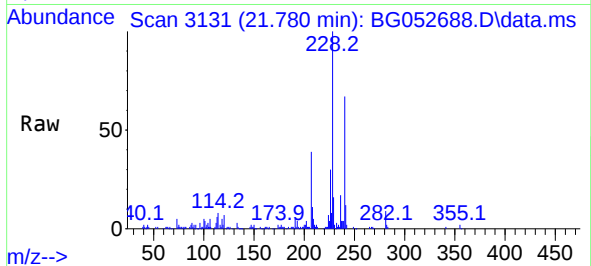
Tgt Ion:149 Resp: 25234
 Ion Ratio Lower Upper
 149 100
 91 66.6 60.2 90.4
 206 19.1 19.4 29.2#





#81
Benzo(a)anthracene
Concen: 4.385 ng m
RT: 21.780 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

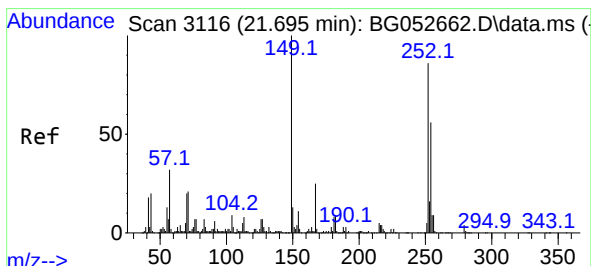
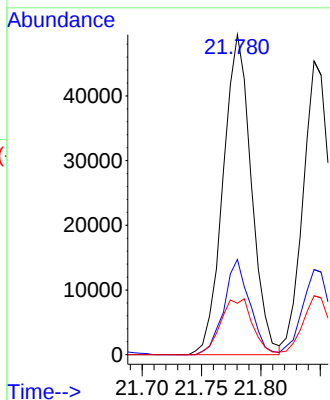
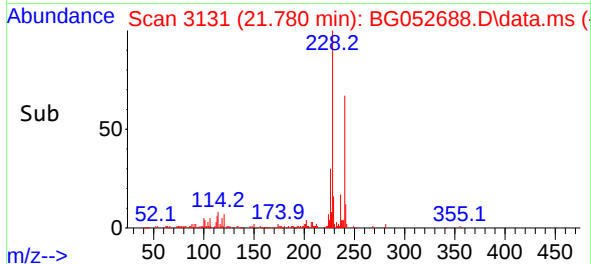
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:228 Resp: 8191
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.0
229 16.0 16.7 25.1

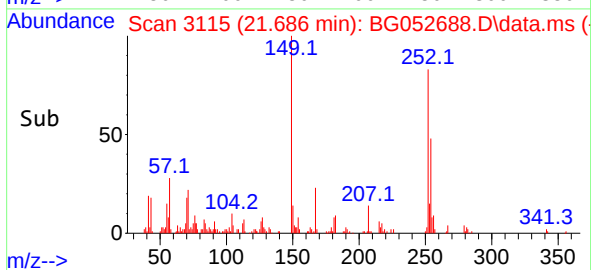
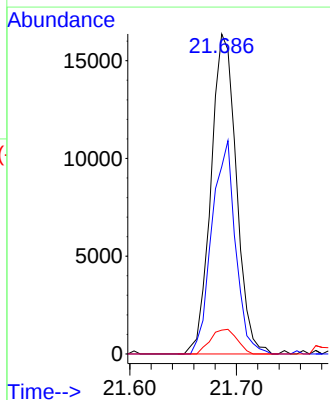
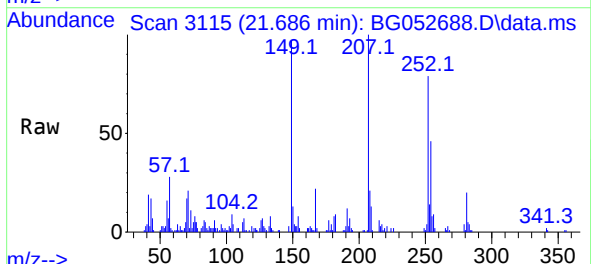
Manual Integrations
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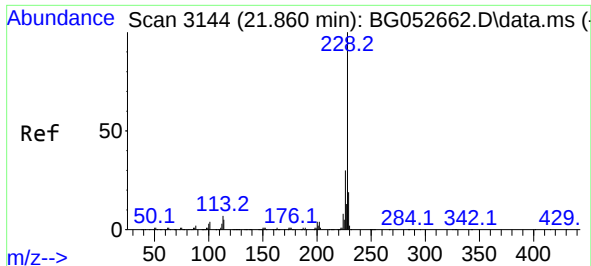
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#82
3,3'-Dichlorobenzidine
Concen: 4.093 ng
RT: 21.686 min Scan# 3115
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

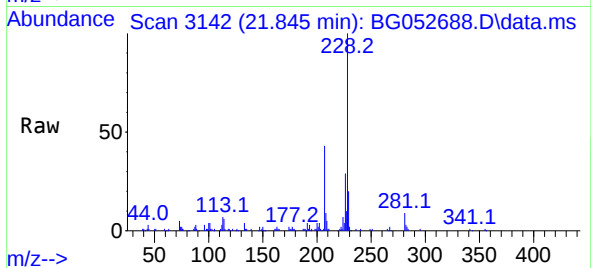
Tgt Ion:252 Resp: 27002
Ion Ratio Lower Upper
252 100
254 58.5 51.2 76.8
126 7.4 5.8 8.8





#83
Chrysene
Concen: 4.225 ng
RT: 21.845 min Scan# 3144
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

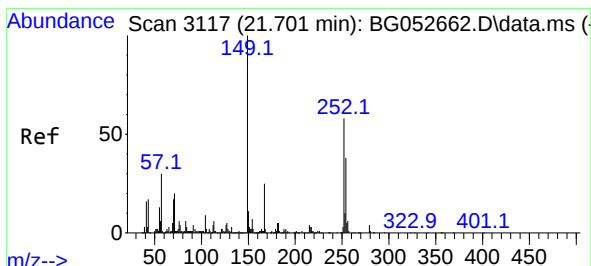
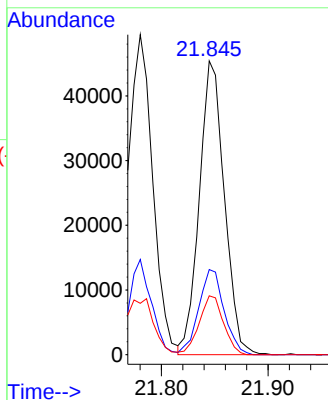
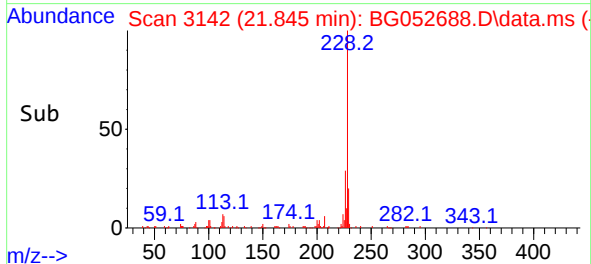
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



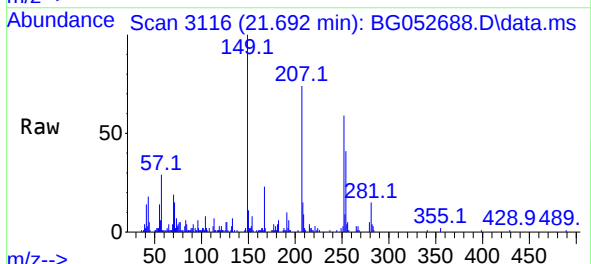
Tgt Ion:228 Resp: 74194
Ion Ratio Lower Upper
228 100
226 29.0 24.2 36.4
229 20.0 16.3 24.5

Manual Integrations
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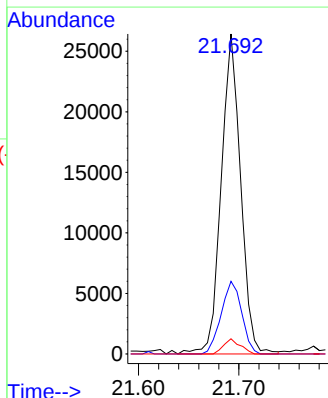
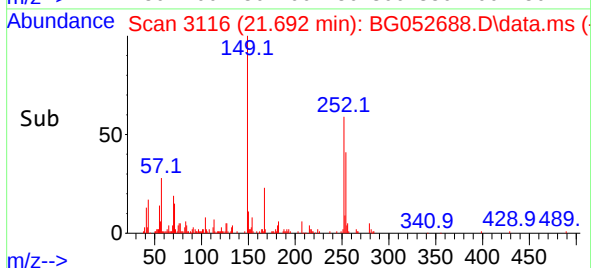
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

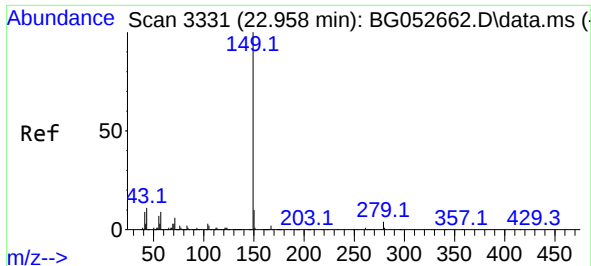


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.805 ng
RT: 21.692 min Scan# 3116
Delta R.T. -0.009 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



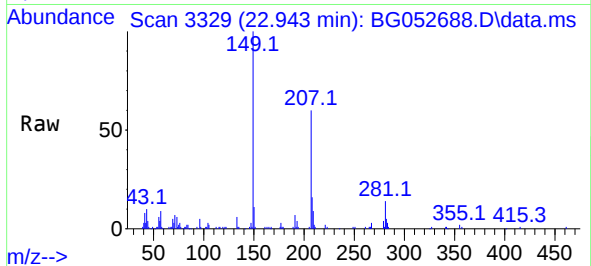
Tgt Ion:149 Resp: 35525
Ion Ratio Lower Upper
149 100
167 22.7 21.4 32.2
279 4.8 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 3.479 ng
RT: 22.943 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

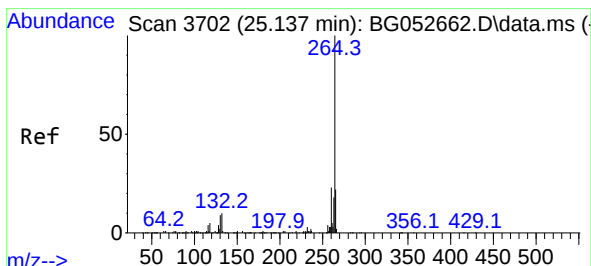
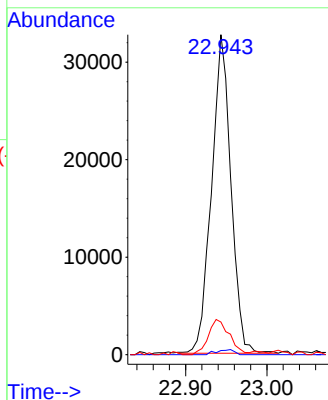
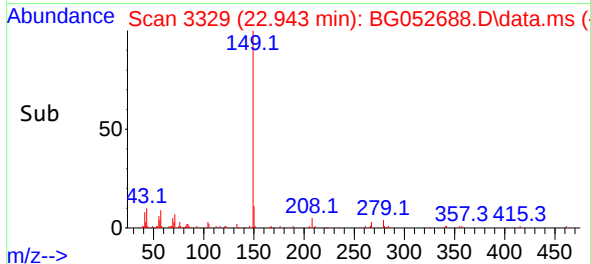
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



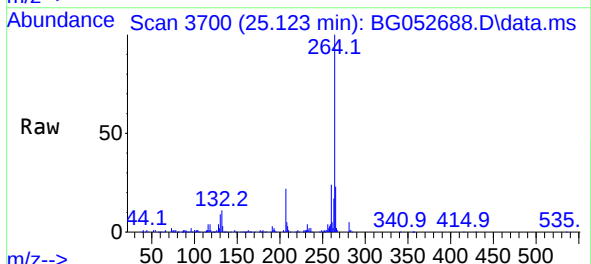
Tgt Ion:149 Resp: 54062
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 12.1 7.6 11.4

Manual Integrations
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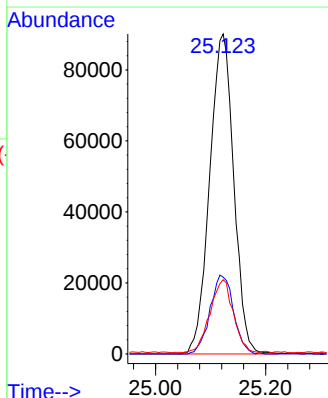
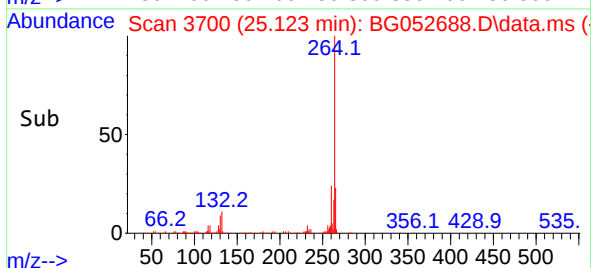
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

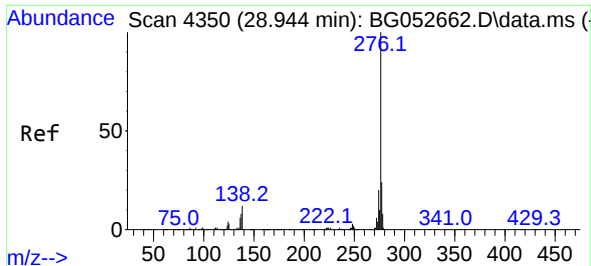


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.123 min Scan# 3700
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



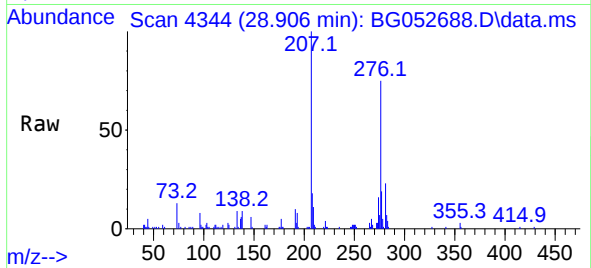
Tgt Ion:264 Resp: 273600
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 23.2 15.1 22.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.143 ng
 RT: 28.906 min Scan# 41
 Delta R.T. -0.038 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11

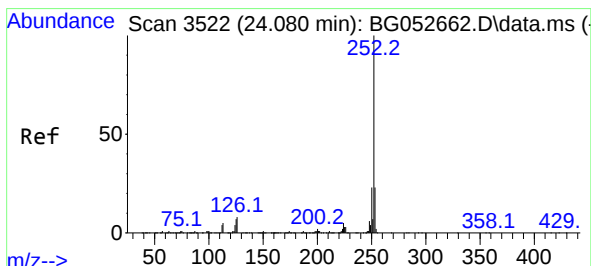
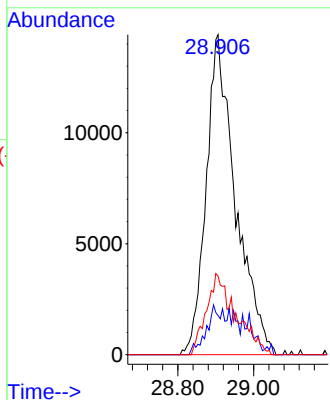
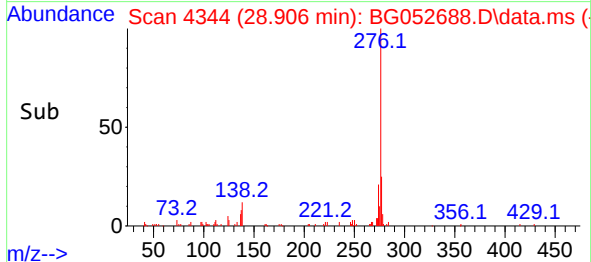
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



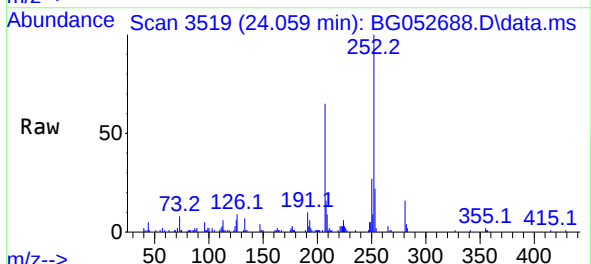
Tgt Ion:276 Resp: 77592
 Ion Ratio Lower Upper
 276 100
 138 6.9 8.7 13.1
 277 20.8 20.2 30.4

Manual Integrations
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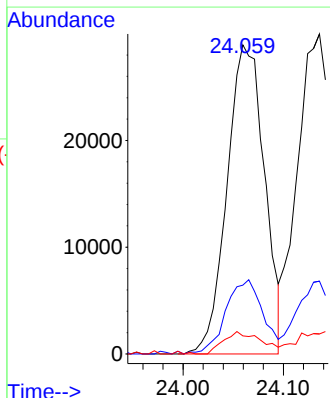
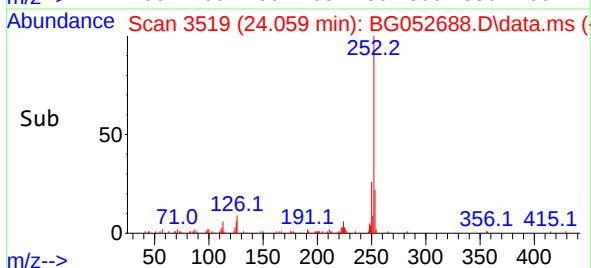
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022

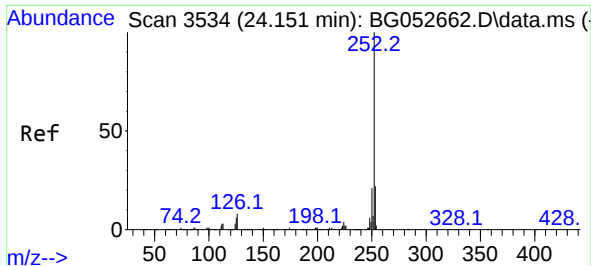


#88
 Benzo(b)fluoranthene
 Concen: 4.413 ng
 RT: 24.059 min Scan# 3519
 Delta R.T. -0.021 min
 Lab File: BG052688.D
 Acq: 17 Mar 2022 12:11



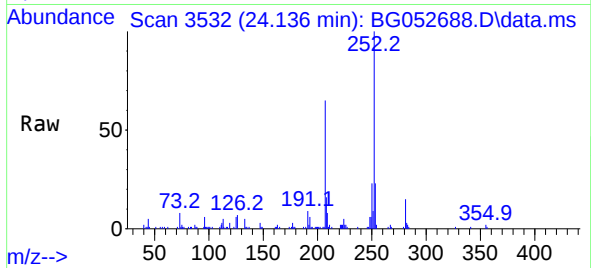
Tgt Ion:252 Resp: 74973
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.2 25.8
 125 5.9 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 4.472 ng
RT: 24.136 min Scan# 3534
Delta R.T. -0.015 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

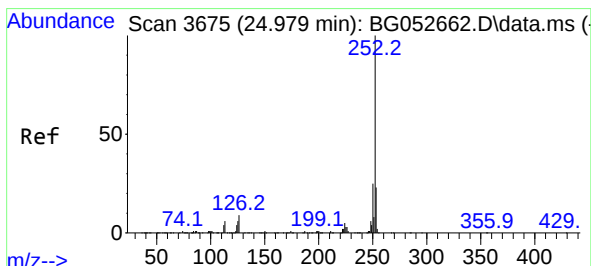
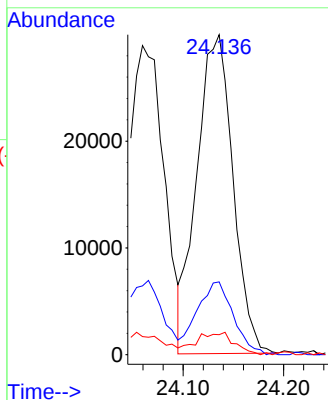
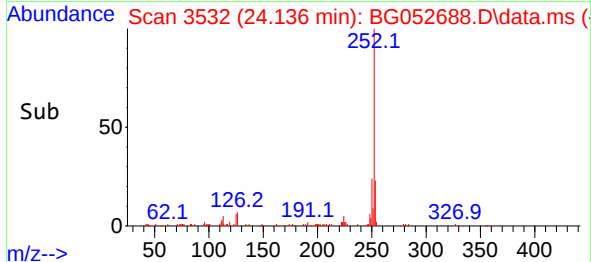
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2022



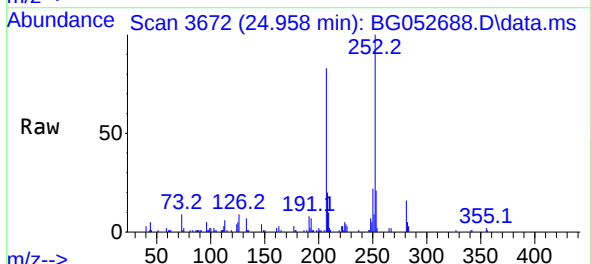
Tgt Ion:252 Resp: 74739
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 6.2 5.0 7.4

Manual Integrations
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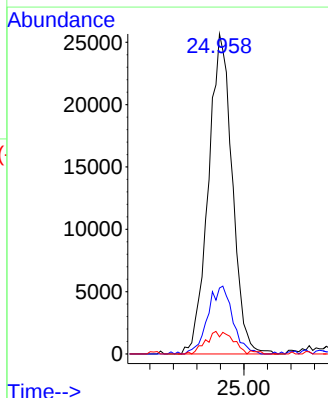
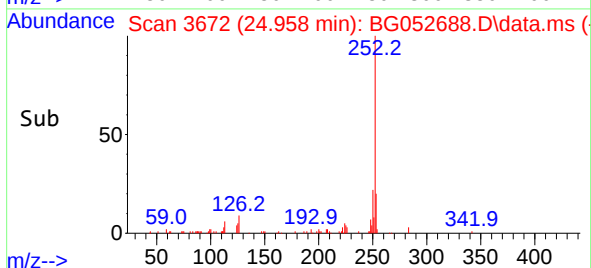
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

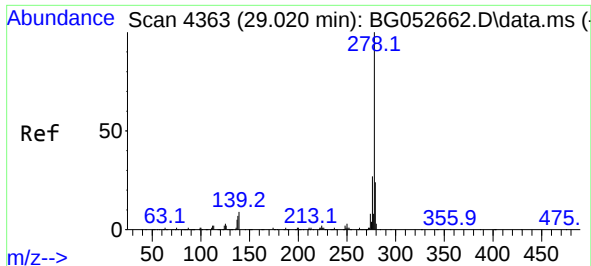


#90
Benzo(a)pyrene
Concen: 5.033 ng
RT: 24.958 min Scan# 3672
Delta R.T. -0.021 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



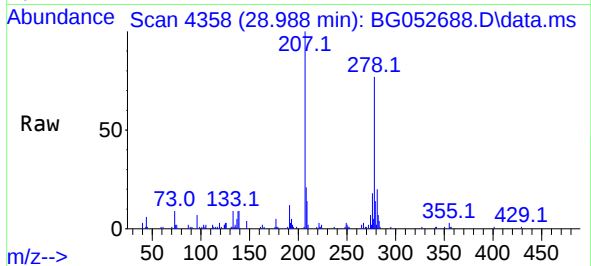
Tgt Ion:252 Resp: 72377
Ion Ratio Lower Upper
252 100
253 20.6 18.4 27.6
125 5.4 5.6 8.4#





#91
Dibenzo(a,h)anthracene
Concen: 4.385 ng
RT: 28.988 min Scan# 41
Delta R.T. -0.032 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11

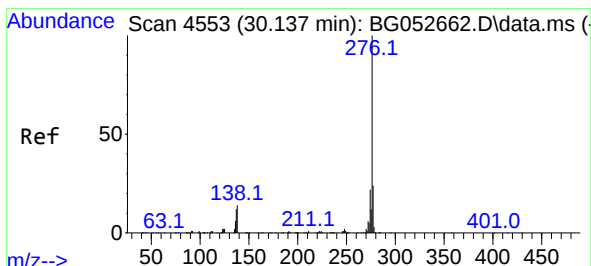
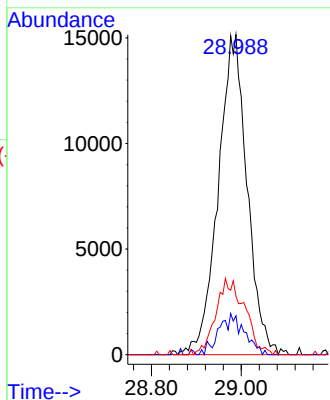
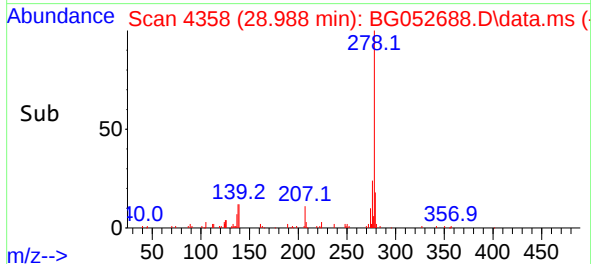
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2022



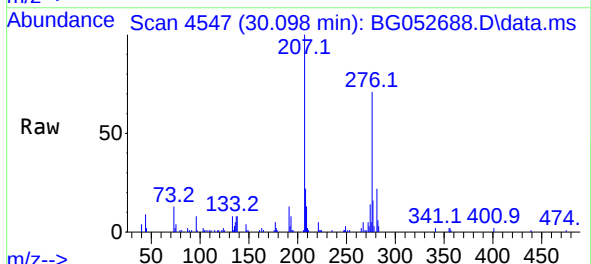
Tgt Ion:278 Resp: 6766
Ion Ratio Lower Upper
278 100
139 12.2 7.8 11.6
279 18.3 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#92
Benzo(g,h,i)perylene
Concen: 4.319 ng
RT: 30.098 min Scan# 4547
Delta R.T. -0.038 min
Lab File: BG052688.D
Acq: 17 Mar 2022 12:11



Tgt Ion:276 Resp: 65944
Ion Ratio Lower Upper
276 100
277 22.9 18.2 27.2
138 10.7 9.1 13.7

