

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052675.D
 Acq On : 16 Mar 2022 11:40
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Manual Integrations
 APPROVED

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

Quant Time: Mar 16 13:26:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	36677	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	148308	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	105639	20.000	ng	0.00
64) Phenanthrene-d10	17.516	188	248967	20.000	ng	0.00
76) Chrysene-d12	21.805	240	275295	20.000	ng	0.00
86) Perylene-d12	25.124	264	277731	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.709	112	216566	102.831	ng	0.00
7) Phenol-d6	7.295	99	317170	99.894	ng	0.00
23) Nitrobenzene-d5	9.316	82	210026	71.077	ng	0.00
42) 2,4,6-Tribromophenol	16.253	330	133397	93.974	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	489674	68.364	ng	0.00
79) Terphenyl-d14	20.119	244	990576	64.007	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.600	88	11187	10.619	ng	96
3) Pyridine	4.011	79	25022	9.265	ng	98
4) n-Nitrosodimethylamine	3.911	42	10497	8.762	ng	# 93
6) Aniline	7.471	93	38175	10.254	ng	95
8) 2-Chlorophenol	7.718	128	21125	9.546	ng	96
9) Benzaldehyde	7.283	77	23873	12.242	ng	96
10) Phenol	7.324	94	29037	9.265	ng	85
11) bis(2-Chloroethyl)ether	7.565	93	22491	9.502	ng	98
12) 1,3-Dichlorobenzene	8.047	146	25073	9.410	ng	94
13) 1,4-Dichlorobenzene	8.188	146	25670	9.589	ng	98
14) 1,2-Dichlorobenzene	8.517	146	23864	9.426	ng	95
15) Benzyl Alcohol	8.382	79	22987	8.598	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.675	45	39481	9.578	ng	95
17) 2-Methylphenol	8.582	107	18856	9.025	ng	95
18) Hexachloroethane	9.257	117	9275	9.443	ng	93
19) n-Nitroso-di-n-propyla...	8.957	70	21167	9.413	ng	98
20) 3+4-Methylphenols	8.905	107	26273	8.985	ng	97
22) Acetophenone	8.975	105	38451	10.019	ng	# 93
24) Nitrobenzene	9.357	77	30591	10.347	ng	94
25) Isophorone	9.880	82	57200	9.997	ng	# 92
26) 2-Nitrophenol	10.074	139	8841	8.611	ng	91
27) 2,4-Dimethylphenol	10.121	122	21953	10.451	ng	91
28) bis(2-Chloroethoxy)met...	10.361	93	31479	9.305	ng	92
29) 2,4-Dichlorophenol	10.602	162	21711	9.186	ng	96
30) 1,2,4-Trichlorobenzene	10.826	180	27498	9.862	ng	# 92
31) Naphthalene	11.019	128	75055	9.786	ng	99
32) Benzoic acid	10.185	122	12459	8.825	ng	93
33) 4-Chloroaniline	11.113	127	31013	9.541	ng	97
34) Hexachlorobutadiene	11.313	225	18709	9.359	ng	95
35) Caprolactam	11.865	113	6193	9.596	ng	94
36) 4-Chloro-3-methylphenol	12.218	107	24225	8.826	ng	99
37) 2-Methylnaphthalene	12.611	142	53324	9.494	ng	98
38) 1-Methylnaphthalene	12.829	142	52474m	9.573	ng	
40) 1,2,4,5-Tetrachloroben...	12.976	216	32385	9.812	ng	97
41) Hexachlorocyclopentadiene	12.964	237	27520	14.067	ng	98
43) 2,4,6-Trichlorophenol	13.205	196	19140	9.056	ng	96

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Quant Time: Mar 16 13:26:54 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

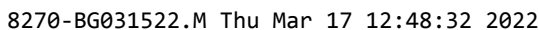
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

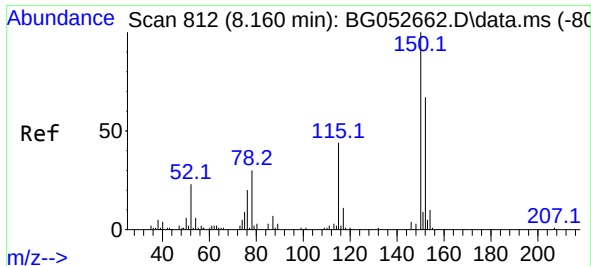
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.275	196	20015	9.330	ng	94
46) 1,1'-Biphenyl	13.610	154	75169	10.175	ng	96
47) 2-Chloronaphthalene	13.657	162	58137	9.993	ng	97
48) 2-Nitroaniline	13.839	65	12904	8.110	ng	# 83
49) Acenaphthylene	14.497	152	94115	10.148	ng	96
50) Dimethylphthalate	14.221	163	73151	9.317	ng	98
51) 2,6-Dinitrotoluene	14.327	165	12853	9.696	ng	95
52) Acenaphthene	14.838	154	59345	9.988	ng	92
53) 3-Nitroaniline	14.662	138	13930	8.981	ng	# 94
54) 2,4-Dinitrophenol	14.861	184	8576	11.869	ng	# 69
55) Dibenzofuran	15.167	168	93479	9.634	ng	99
56) 4-Nitrophenol	14.943	139	10606	8.382	ng	# 71
57) 2,4-Dinitrotoluene	15.114	165	17428	9.476	ng	# 90
58) Fluorene	15.819	166	75068	9.491	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.390	232	19769	8.621	ng	# 100
60) Diethylphthalate	15.578	149	76327	9.210	ng	98
61) 4-Chlorophenyl-phenyle...	15.807	204	40460	9.276	ng	94
62) 4-Nitroaniline	15.813	138	15061	9.189	ng	88
63) Azobenzene	16.101	77	81871	9.243	ng	94
65) 4,6-Dinitro-2-methylph...	15.878	198	11417	10.286	ng	97
66) n-Nitrosodiphenylamine	16.019	169	66103	9.431	ng	98
67) 4-Bromophenyl-phenylether	16.700	248	26519	8.835	ng	96
68) Hexachlorobenzene	16.823	284	30963	9.597	ng	# 93
69) Atrazine	16.958	200	25944	10.038	ng	86
70) Pentachlorophenol	17.158	266	15569	7.778	ng	93
71) Phenanthrene	17.558	178	132621	9.957	ng	98
72) Anthracene	17.646	178	130933	9.944	ng	99
73) Carbazole	17.910	167	122062	9.360	ng	97
74) Di-n-butylphthalate	18.474	149	134929	9.472	ng	100
75) Fluoranthene	19.561	202	168758	9.982	ng	98
77) Benzidine	19.731	184	86955	12.246	ng	99
78) Pyrene	19.919	202	177369	9.288	ng	96
80) Butylbenzylphthalate	20.806	149	57063	8.424	ng	95
81) Benzo(a)anthracene	21.781	228	175156	9.502	ng	96
82) 3,3'-Dichlorobenzidine	21.687	252	63627	9.774	ng	97
83) Chrysene	21.852	228	163080	9.410	ng	98
84) Bis(2-ethylhexyl)phtha...	21.699	149	84028	9.121	ng	97
85) Di-n-octyl phthalate	22.950	149	130756	8.526	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.925	276	175349	9.224	ng	98
88) Benzo(b)fluoranthene	24.066	252	173978	10.089	ng	99
89) Benzo(k)fluoranthene	24.137	252	168098	9.908	ng	99
90) Benzo(a)pyrene	24.965	252	164323	11.257	ng	96
91) Dibenzo(a,h)anthracene	28.989	278	156077	9.964	ng	99
92) Benzo(g,h,i)perylene	30.088	276	152729	9.854	ng	# 94

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

Manual Integrations

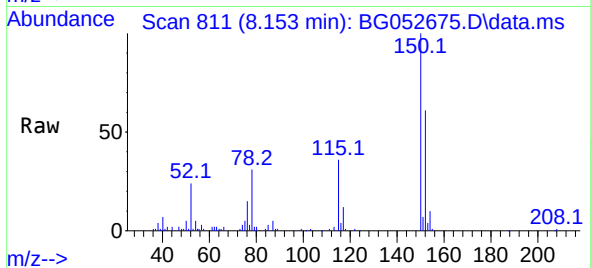
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QLast Update : Wed Mar 16 11:53:01 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

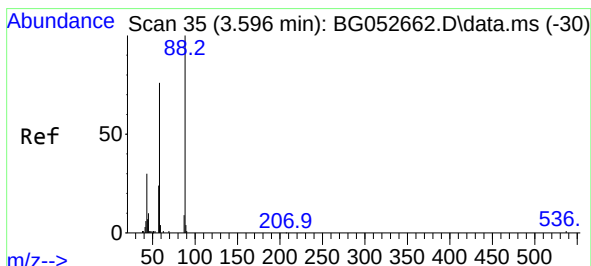
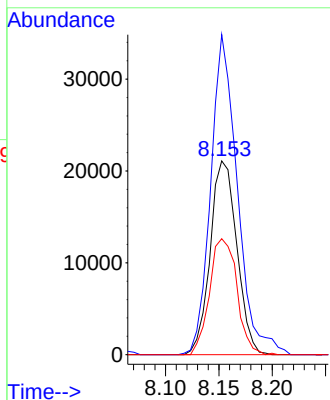
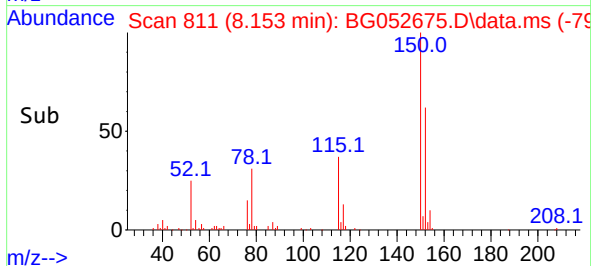
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



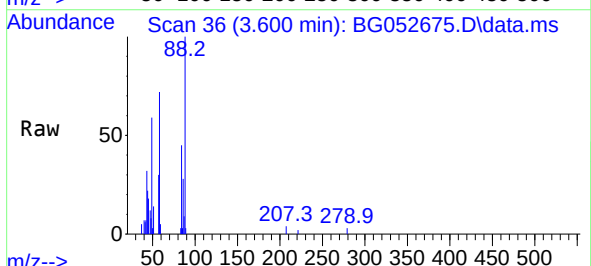
Tgt Ion:152 Resp: 3667
Ion Ratio Lower Upper
152 100
150 165.1 114.6 172.0
115 59.8 45.9 68.9

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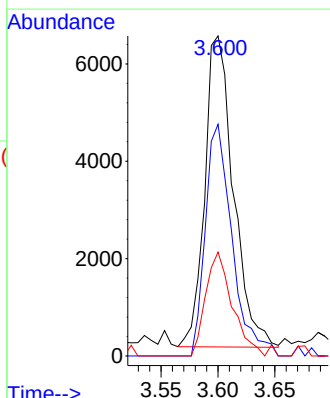
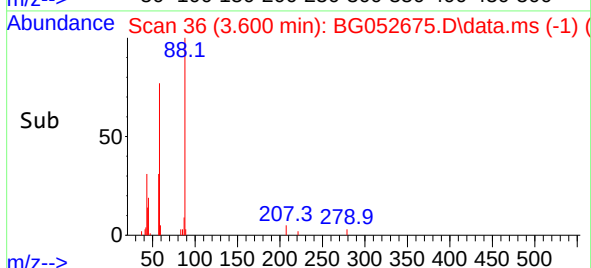
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

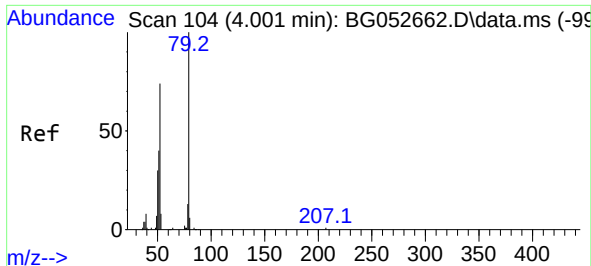


#2
1,4-Dioxane
Concen: 10.619 ng
RT: 3.600 min Scan# 36
Delta R.T. 0.004 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



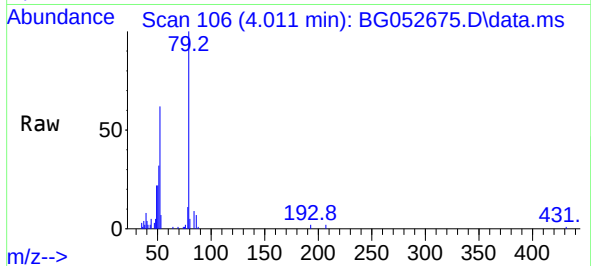
Tgt Ion: 88 Resp: 11187
Ion Ratio Lower Upper
88 100
58 69.5 58.2 87.2
43 30.9 23.4 35.0





#3
Pyridine
Concen: 9.265 ng
RT: 4.011 min Scan# 106
Delta R.T. 0.010 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

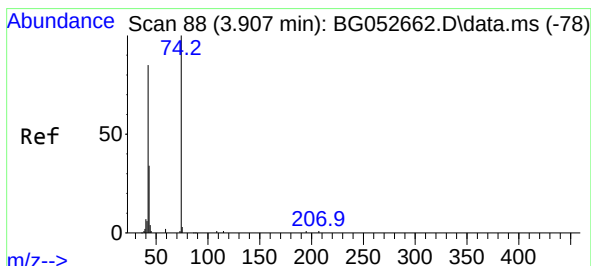
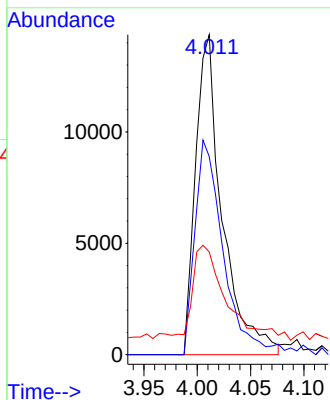
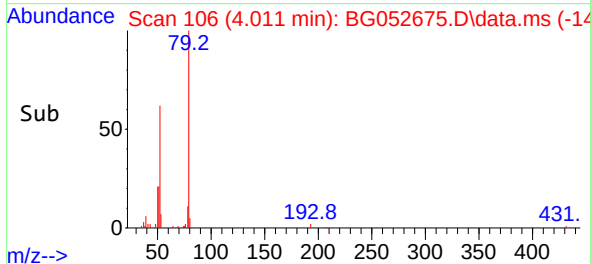
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ClientSampleId :
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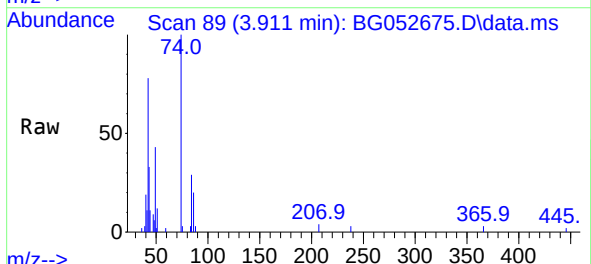
Tgt Ion: 79 Resp: 2502
Ion Ratio Lower Upper
79 100
52 61.9 50.9 76.3
51 32.1 24.4 36.6

Manual Integrations
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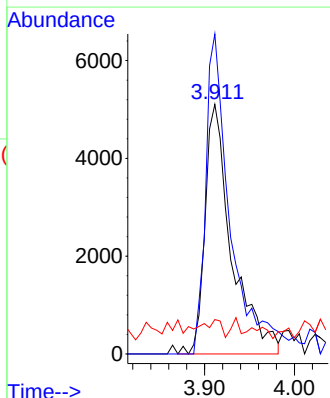
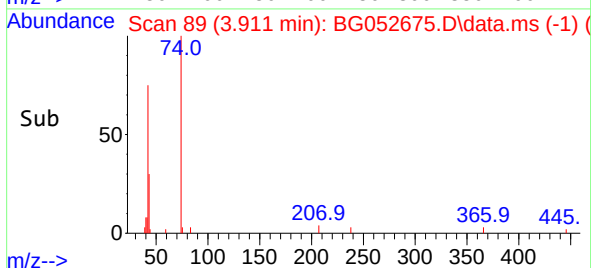
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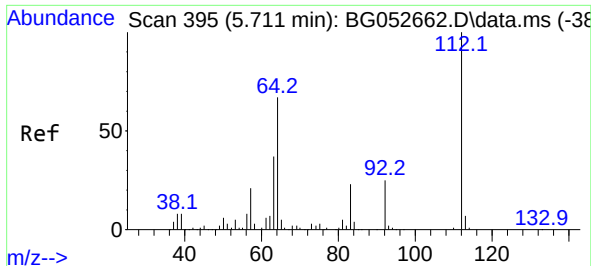


#4
n-Nitrosodimethylamine
Concen: 8.762 ng
RT: 3.911 min Scan# 89
Delta R.T. 0.004 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



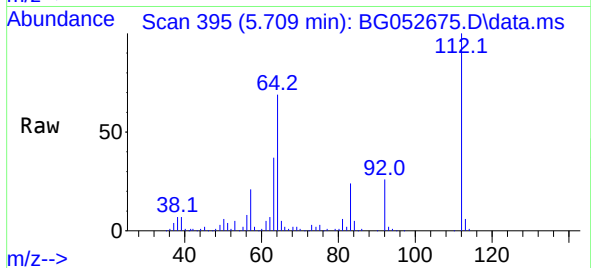
Tgt Ion: 42 Resp: 10497
Ion Ratio Lower Upper
42 100
74 128.2 108.9 163.3
44 13.8 5.7 8.5





#5
2-Fluorophenol
Concen: 102.831 ng
RT: 5.709 min Scan# 395
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

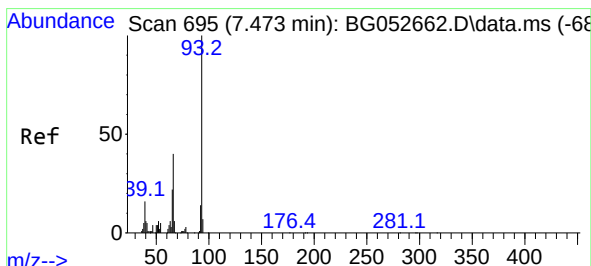
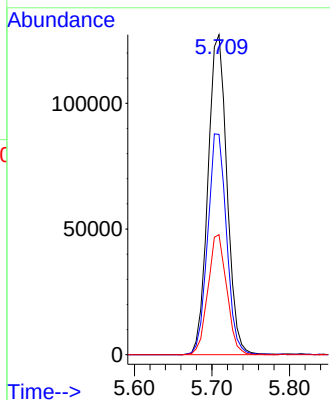
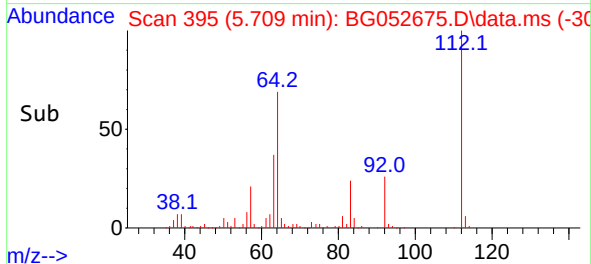
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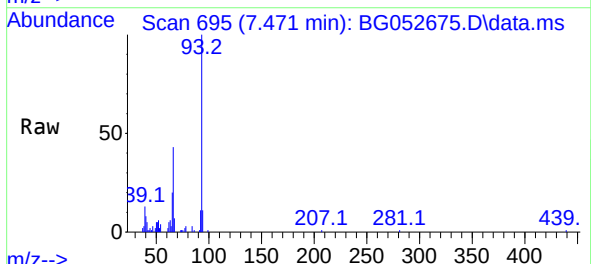
Tgt Ion:112 Resp: 216560
Ion Ratio Lower Upper
112 100
64 68.9 48.0 72.0
63 37.5 26.5 39.7

Manual Integrations
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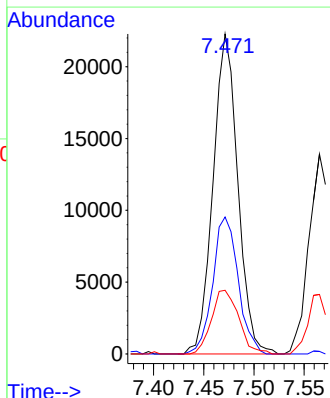
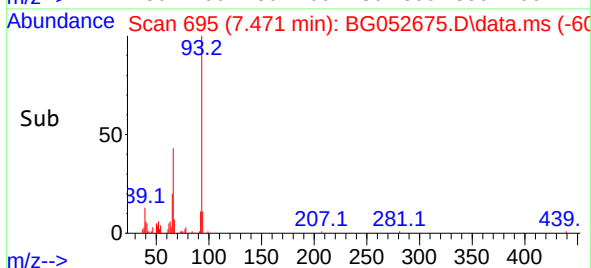
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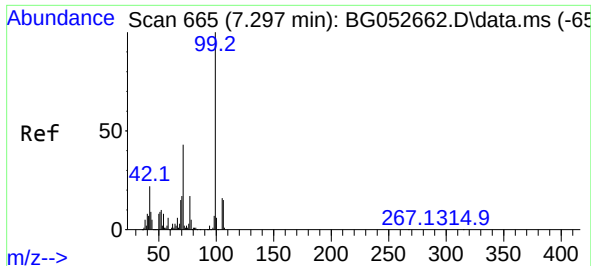


#6
Aniline
Concen: 10.254 ng
RT: 7.471 min Scan# 695
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



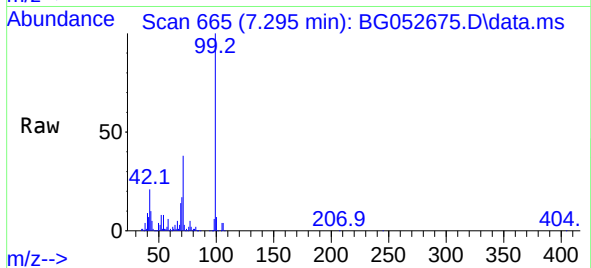
Tgt Ion: 93 Resp: 38175
Ion Ratio Lower Upper
93 100
66 42.8 31.3 46.9
65 19.9 16.7 25.1





#7
Phenol-d6
Concen: 99.894 ng
RT: 7.295 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

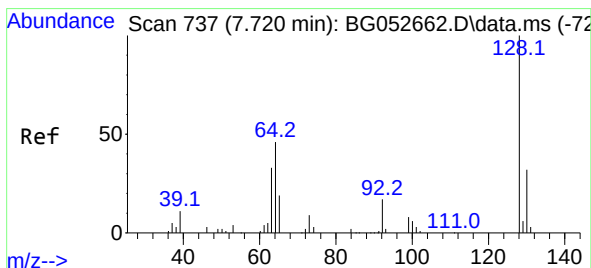
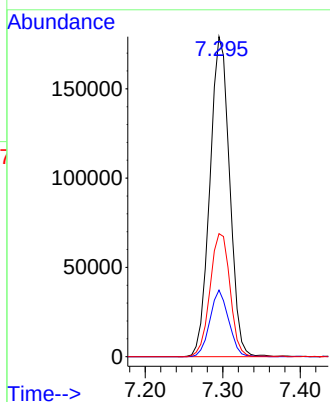
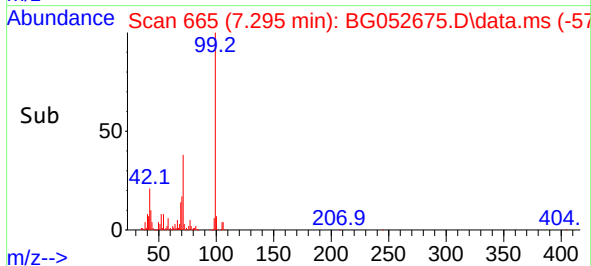
Instrument : BNA_G
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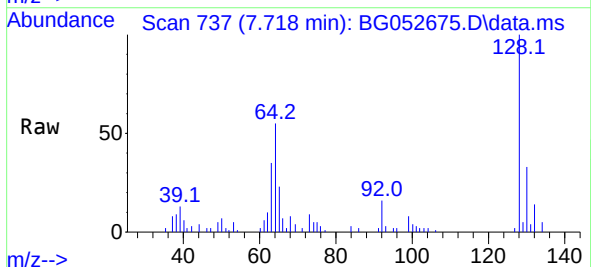
Tgt Ion: 99 Resp: 317170
Ion Ratio Lower Upper
99 100
42 20.8 14.7 22.1
71 38.5 29.2 43.8

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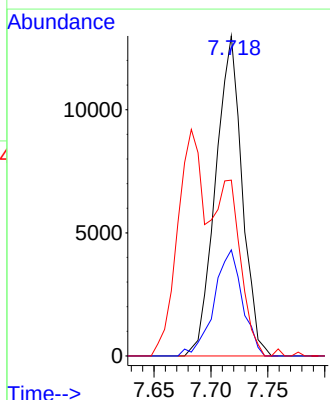
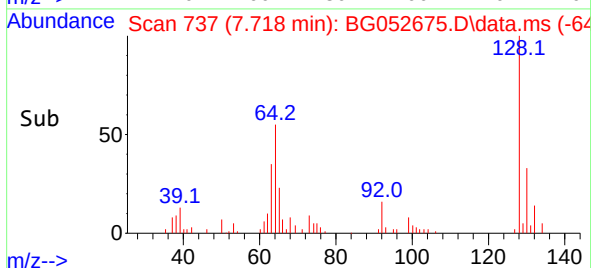
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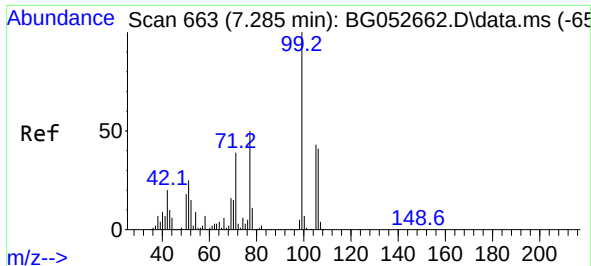


#8
2-Chlorophenol
Concen: 9.546 ng
RT: 7.718 min Scan# 737
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



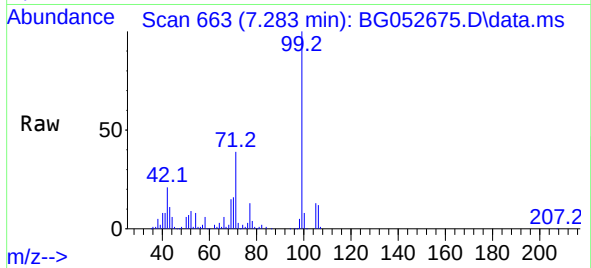
Tgt Ion:128 Resp: 21125
Ion Ratio Lower Upper
128 100
130 33.2 13.4 53.4
64 54.9 30.9 70.9





#9
Benzaldehyde
Concen: 12.242 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

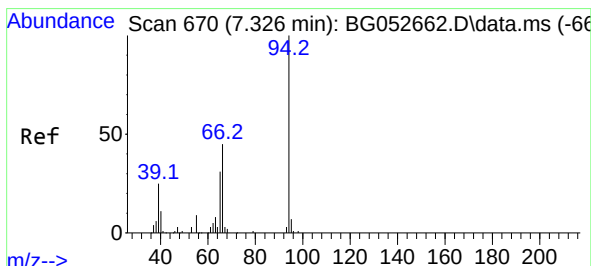
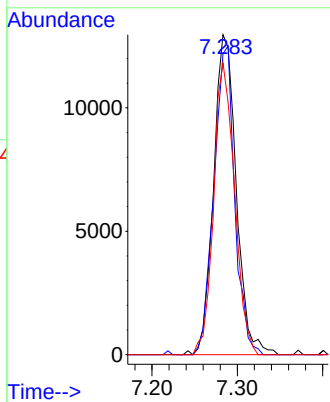
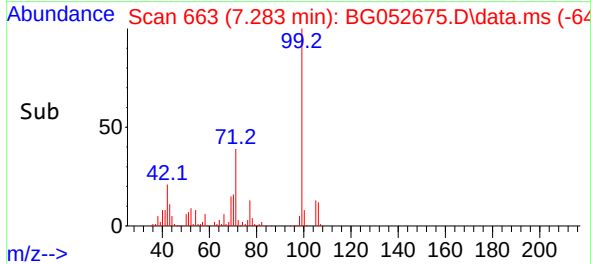
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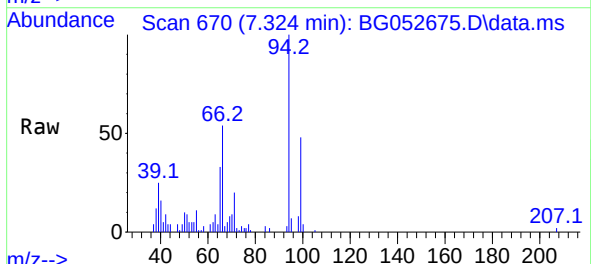
Tgt Ion: 77 Resp: 2387
Ion Ratio Lower Upper
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106 91.1 67.6 107.6

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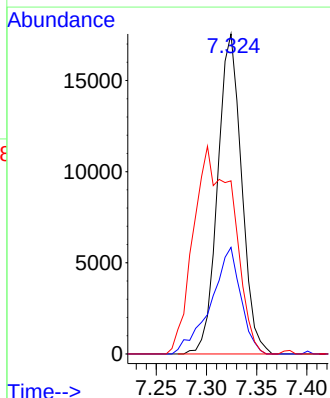
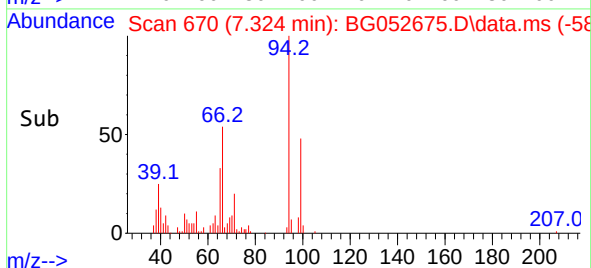
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

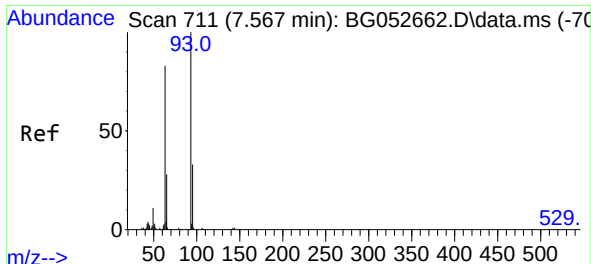


#10
Phenol
Concen: 9.265 ng
RT: 7.324 min Scan# 670
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



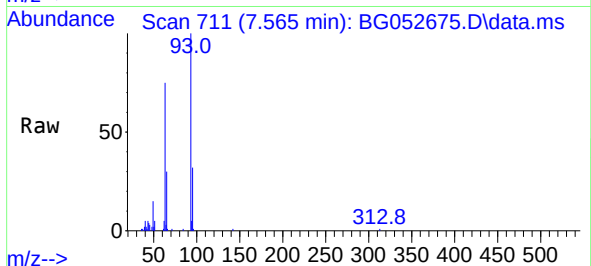
Tgt Ion: 94 Resp: 29037
Ion Ratio Lower Upper
94 100
65 33.3 11.1 51.1
66 54.1 20.0 60.0





#11
bis(2-Chloroethyl)ether
Concen: 9.502 ng
RT: 7.565 min Scan# 711
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

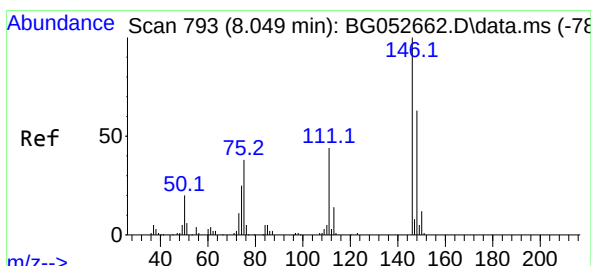
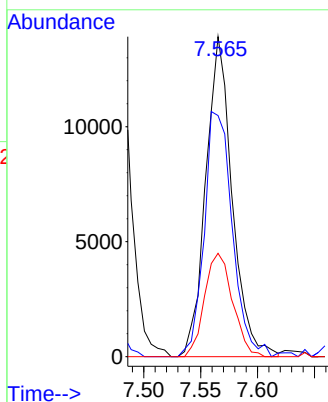
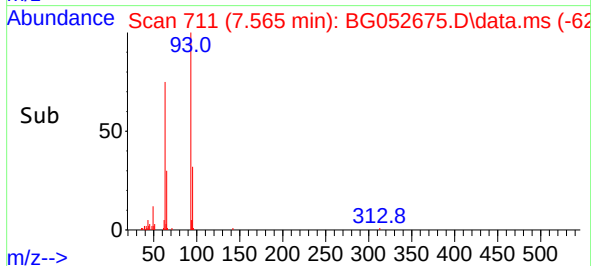
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



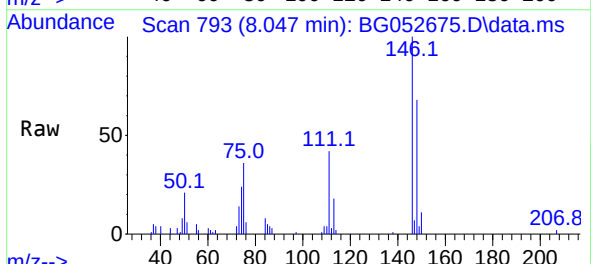
Tgt Ion: 93 Resp: 2249
Ion Ratio Lower Upper
93 100
63 75.3 56.9 96.9
95 32.3 14.5 54.5

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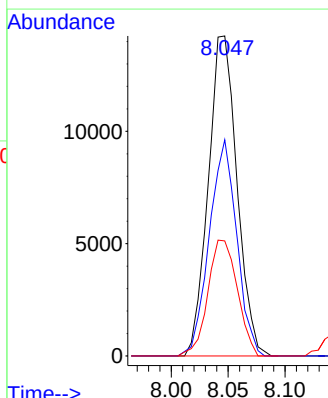
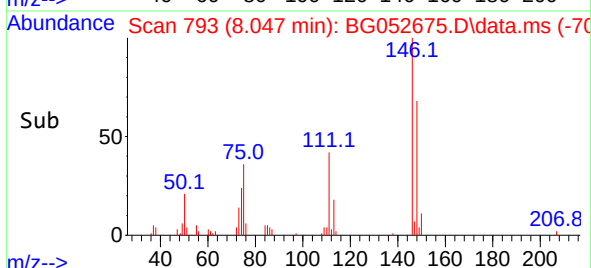
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

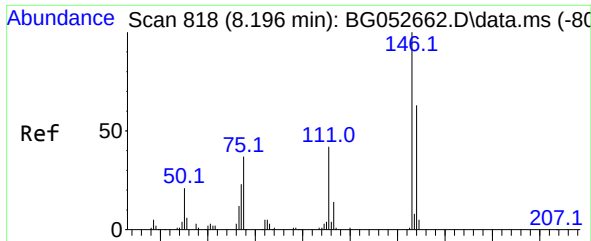


#12
1,3-Dichlorobenzene
Concen: 9.410 ng
RT: 8.047 min Scan# 793
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



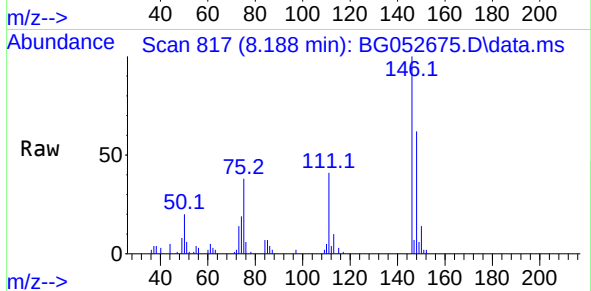
Tgt Ion:146 Resp: 25073
Ion Ratio Lower Upper
146 100
148 67.5 50.6 76.0
75 36.0 25.9 38.9





#13
1,4-Dichlorobenzene
Concen: 9.589 ng
RT: 8.188 min Scan# 818
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

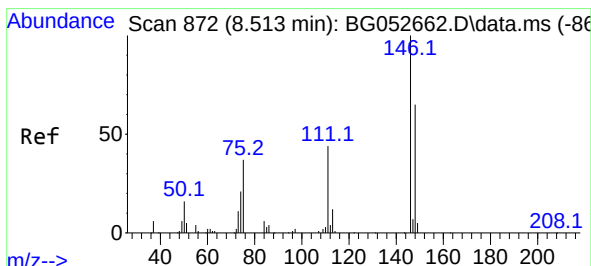
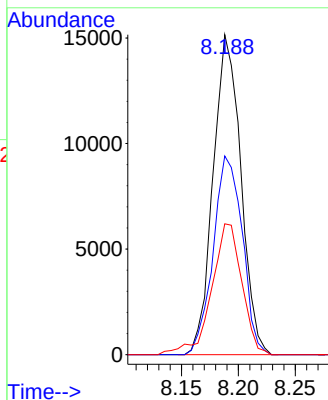
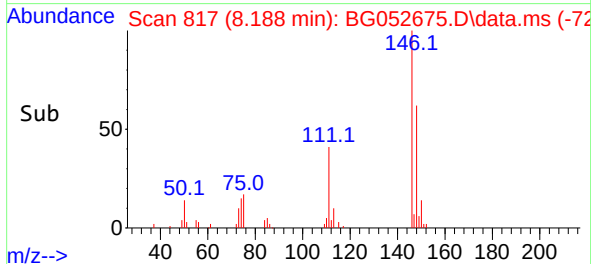
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:146 Resp: 25670
Ion Ratio Lower Upper
146 100
148 62.1 50.0 75.0
111 40.9 31.0 46.4

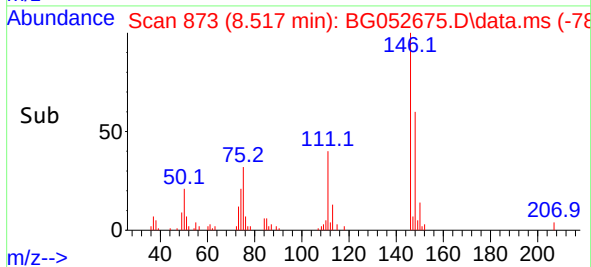
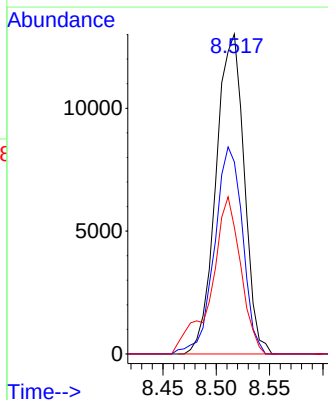
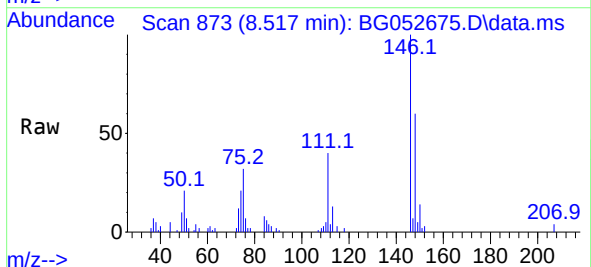
Manual Integrations
APPROVED

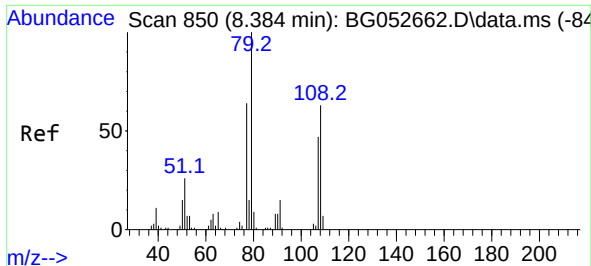
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#14
1,2-Dichlorobenzene
Concen: 9.426 ng
RT: 8.517 min Scan# 873
Delta R.T. 0.004 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

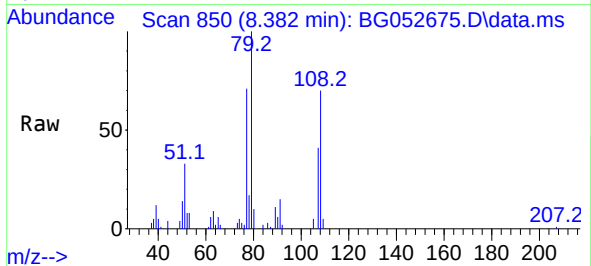
Tgt Ion:146 Resp: 23864
Ion Ratio Lower Upper
146 100
148 60.0 51.0 76.6
111 39.6 34.7 52.1





#15
Benzyl Alcohol
Concen: 8.598 ng
RT: 8.382 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

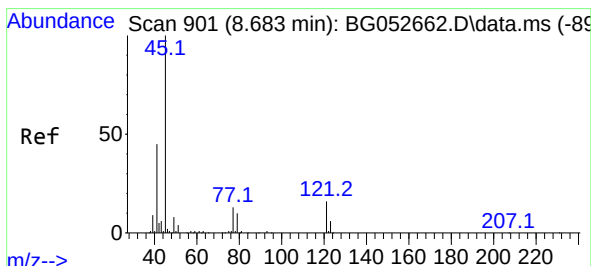
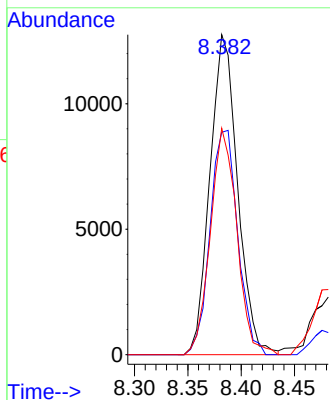
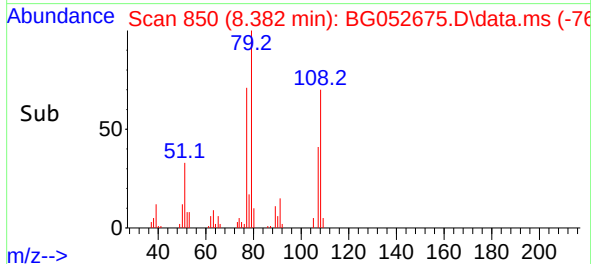
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



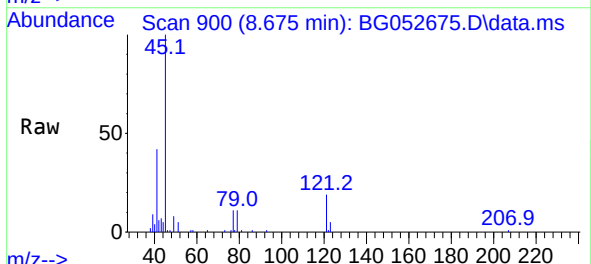
Tgt Ion: 79 Resp: 2298
Ion Ratio Lower Upper
79 100
108 69.5 55.1 82.7
77 70.7 52.4 78.6

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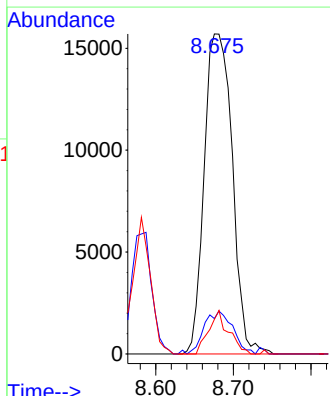
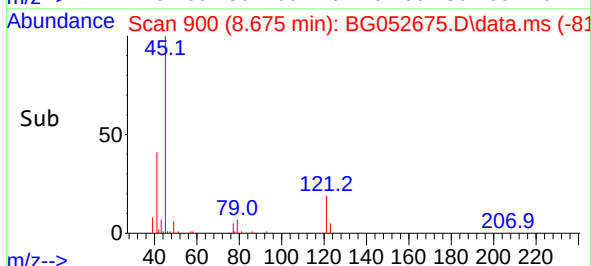
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

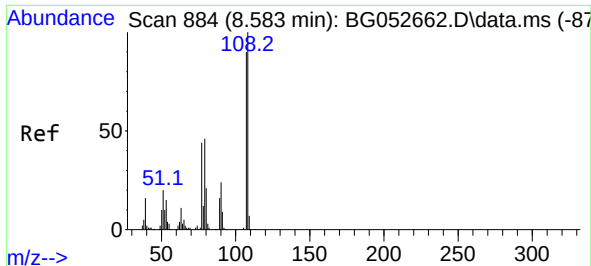


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.578 ng
RT: 8.675 min Scan# 900
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



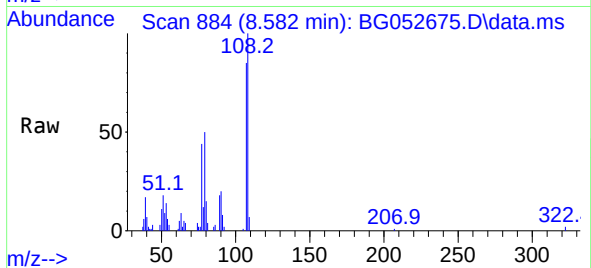
Tgt Ion: 45 Resp: 39481
Ion Ratio Lower Upper
45 100
77 11.1 0.0 34.9
79 10.8 0.0 30.7





#17
2-Methylphenol
Concen: 9.025 ng
RT: 8.582 min Scan# 884
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

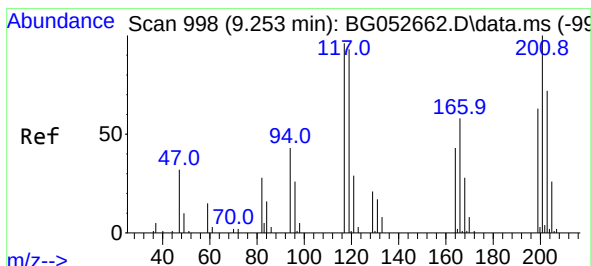
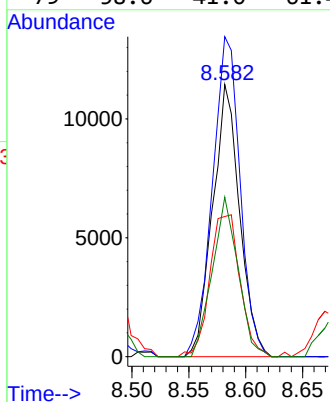
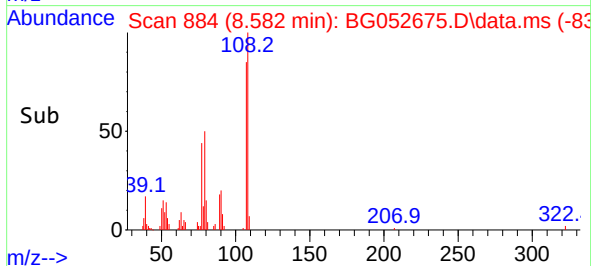
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



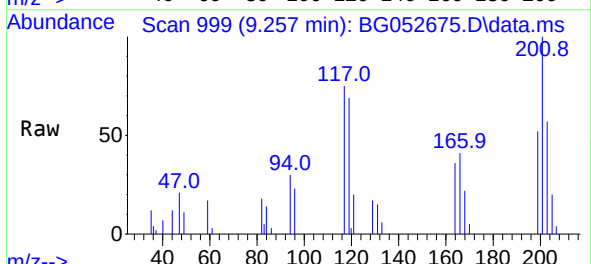
Tgt Ion:107 Resp: 1885
Ion Ratio Lower Upper
107 100
108 117.5 91.5 137.3
77 51.5 42.5 63.7
79 58.6 41.0 61.4

Manual Integrations
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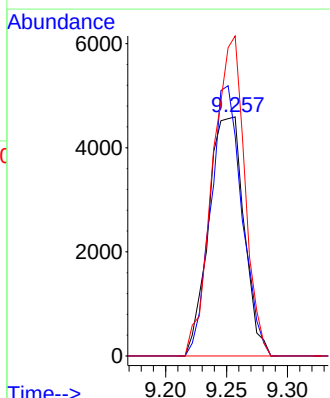
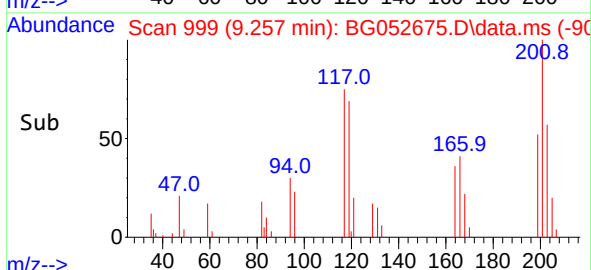
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Supervised By :Jagrut Upadhyay 03/17/2022

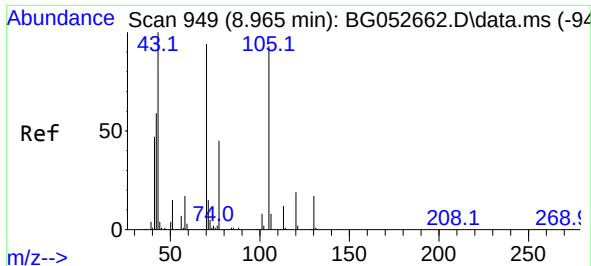


#18
Hexachloroethane
Concen: 9.443 ng
RT: 9.257 min Scan# 999
Delta R.T. 0.004 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



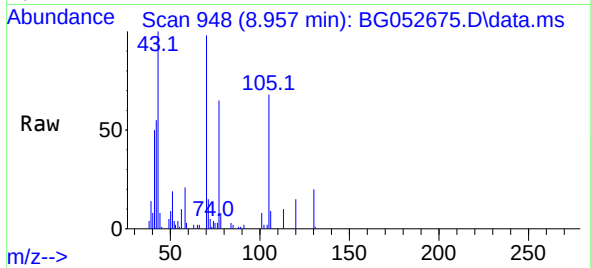
Tgt Ion:117 Resp: 9275
Ion Ratio Lower Upper
117 100
119 92.1 75.1 112.7
201 133.9 96.6 145.0





#19
n-Nitroso-di-n-propylamine
Concen: 9.413 ng
RT: 8.957 min Scan# 949
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

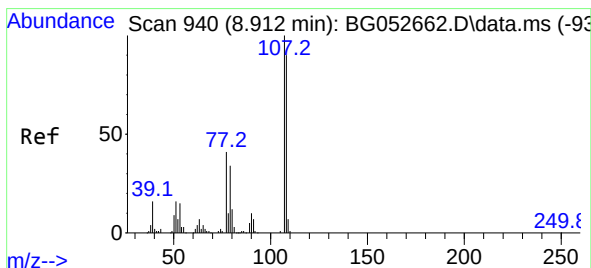
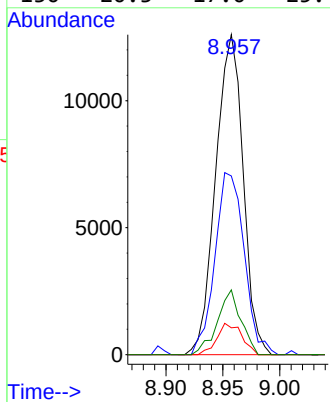
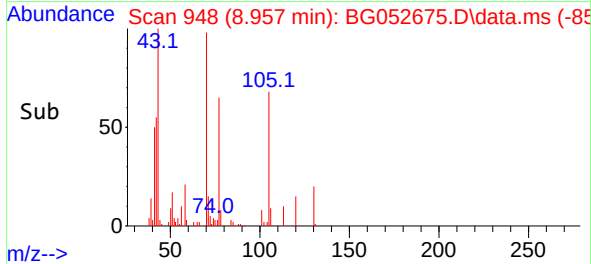
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



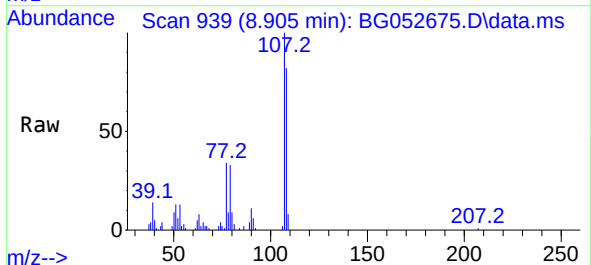
Tgt Ion: 70 Resp: 2116
Ion Ratio Lower Upper
70 100
42 55.8 46.0 69.0
101 8.4 6.2 9.4
130 20.3 17.0 25.4

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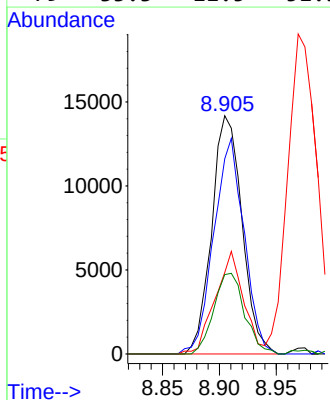
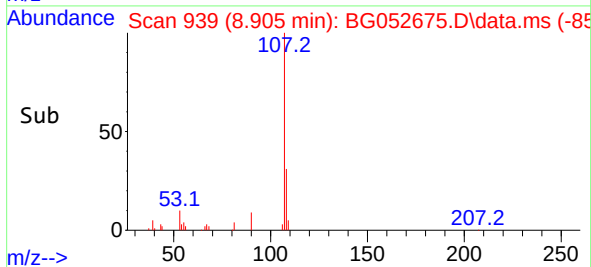
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

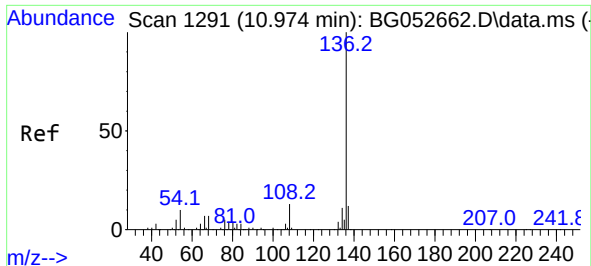


#20
3+4-Methylphenols
Concen: 8.985 ng
RT: 8.905 min Scan# 939
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



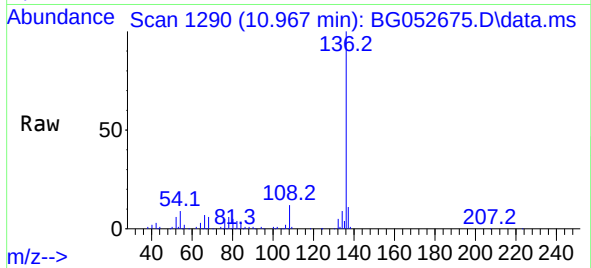
Tgt Ion:107 Resp: 26273
Ion Ratio Lower Upper
107 100
108 82.0 64.8 104.8
77 34.2 15.9 55.9
79 33.3 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1291
Delta R.T. -0.007 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

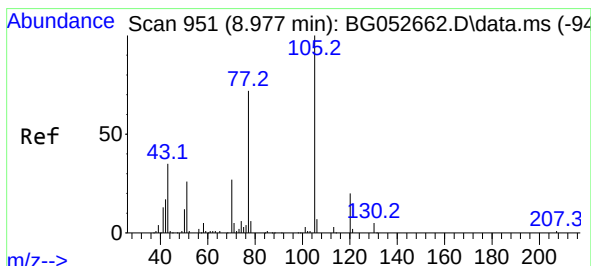
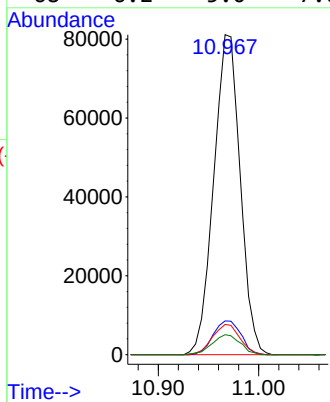
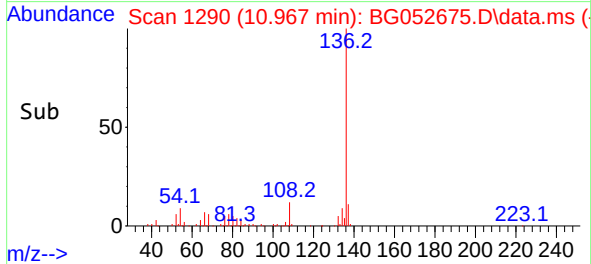
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 148308
Ion Ratio Lower Upper
136 100
137 10.6 9.4 14.2
54 9.5 6.4 9.6
68 6.2 5.0 7.6

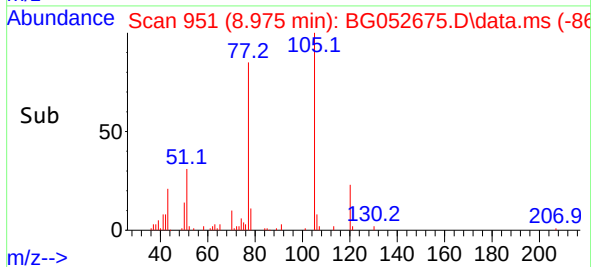
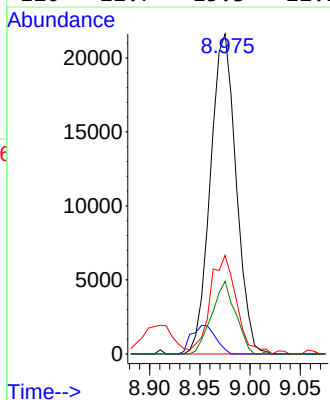
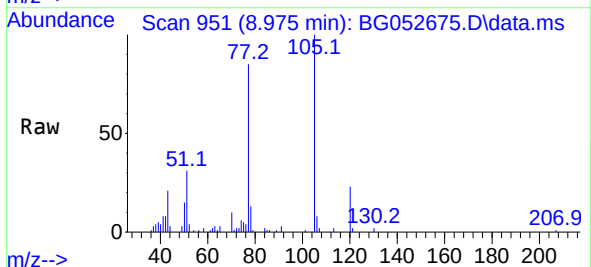
Manual Integrations
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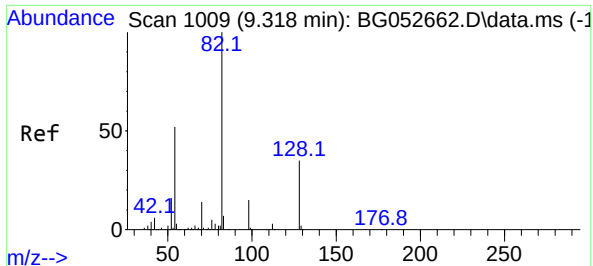
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 10.019 ng
RT: 8.975 min Scan# 951
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Tgt Ion:105 Resp: 38451
Ion Ratio Lower Upper
105 100
71 1.4 2.1 3.1#
51 30.8 21.9 32.9
120 22.7 15.3 22.9





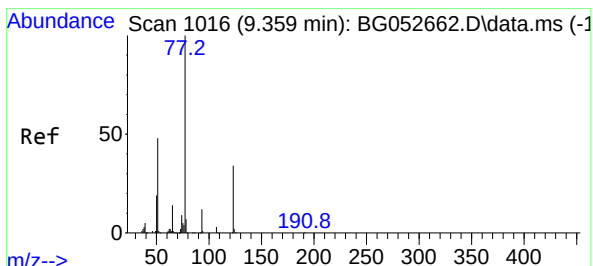
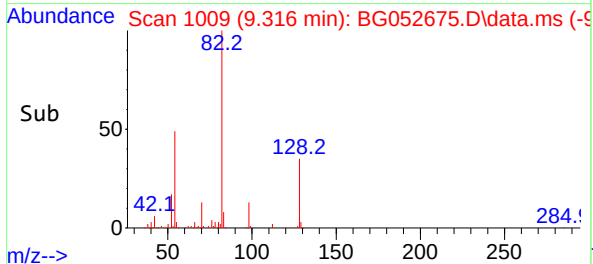
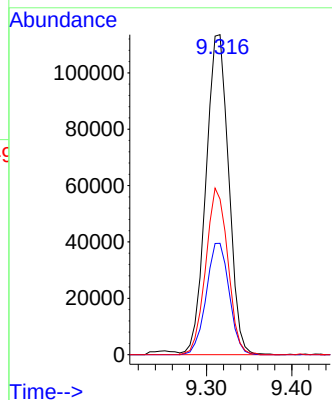
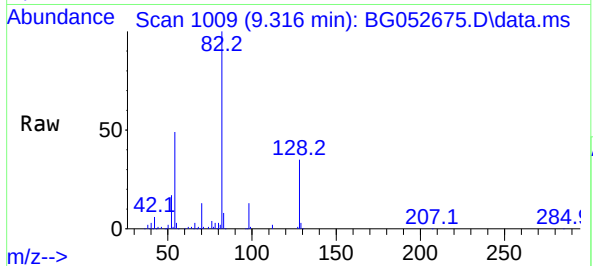
#23
Nitrobenzene-d5
Concen: 71.077 ng
RT: 9.316 min Scan# 1009
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 210020
Ion Ratio Lower Upper
82 100
128 34.8 31.3 46.9
54 48.6 37.8 56.8

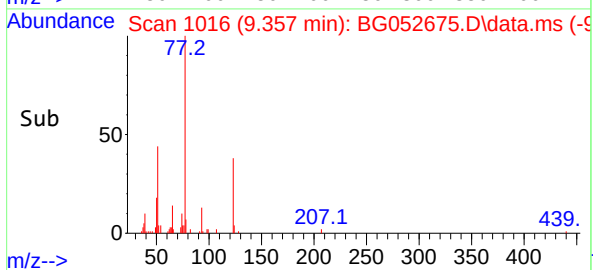
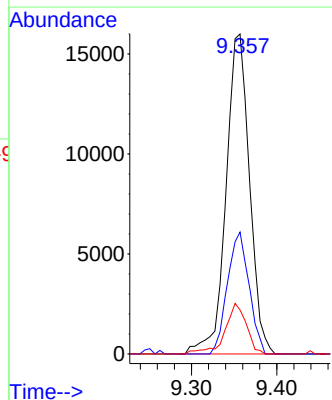
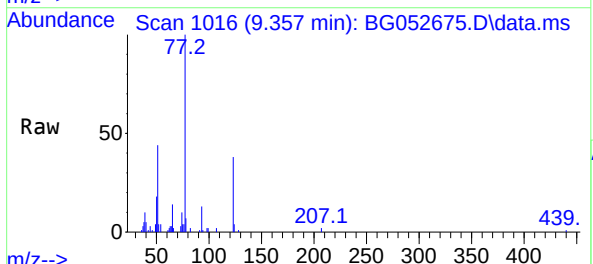
Manual Integrations
APPROVED

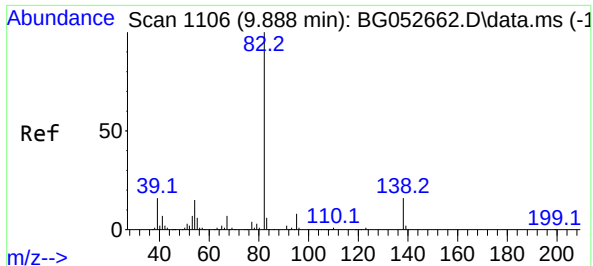
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#24
Nitrobenzene
Concen: 10.347 ng
RT: 9.357 min Scan# 1016
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

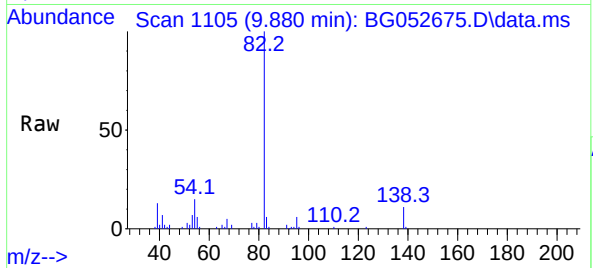
Tgt Ion: 77 Resp: 30591
Ion Ratio Lower Upper
77 100
123 38.1 34.4 51.6
65 13.8 11.2 16.8





#25
Isophorone
Concen: 9.997 ng
RT: 9.880 min Scan# 1106
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

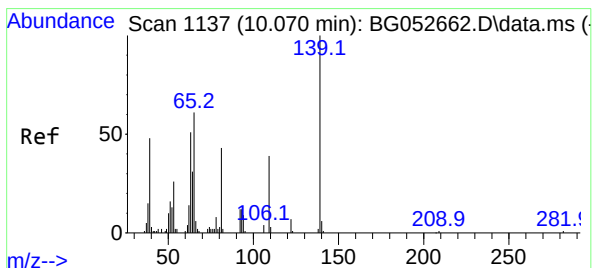
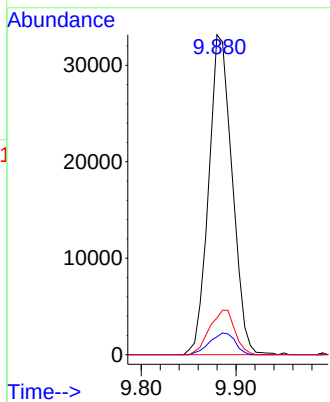
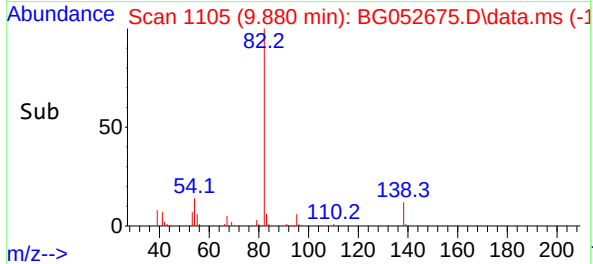
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



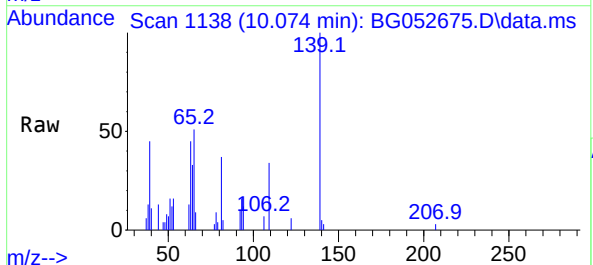
Tgt Ion: 82 Resp: 57200
Ion Ratio Lower Upper
82 100
95 5.6 5.8 8.6
138 11.5 12.6 18.8

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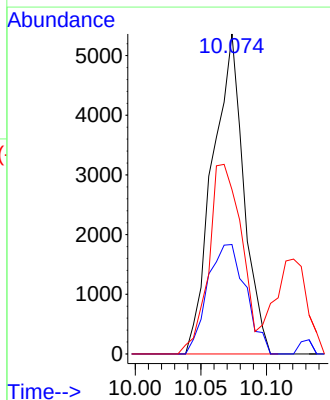
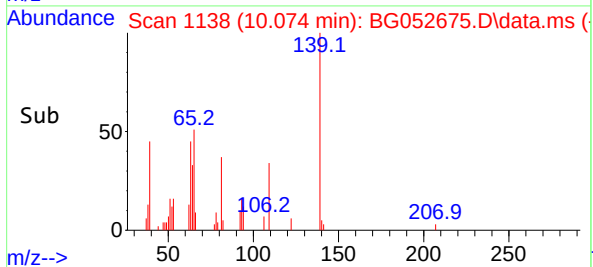
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

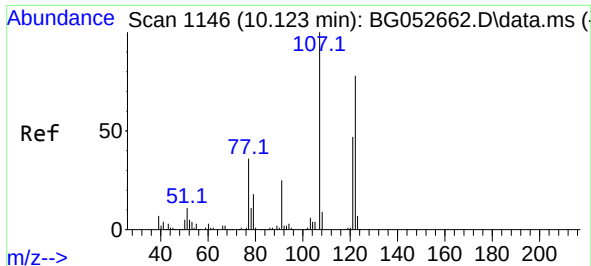


#26
2-Nitrophenol
Concen: 8.611 ng
RT: 10.074 min Scan# 1138
Delta R.T. 0.004 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



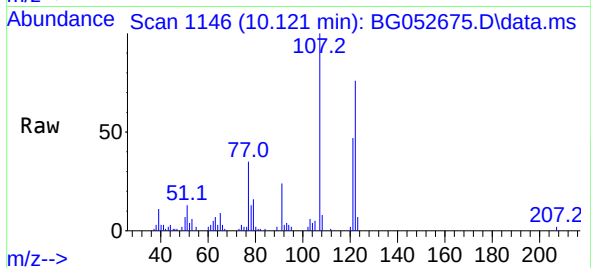
Tgt Ion:139 Resp: 8841
Ion Ratio Lower Upper
139 100
109 34.2 29.4 44.0
65 51.4 48.2 72.2





#27
2,4-Dimethylphenol
Concen: 10.451 ng
RT: 10.121 min Scan# 1146
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

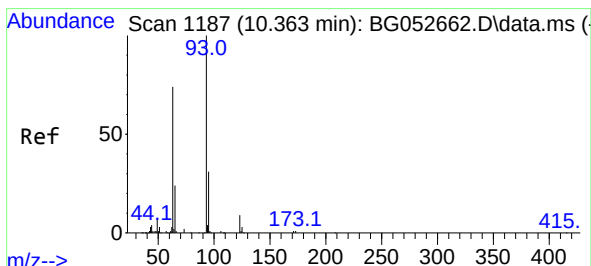
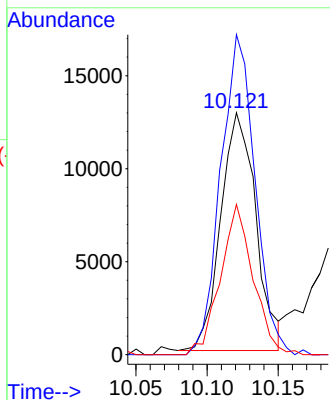
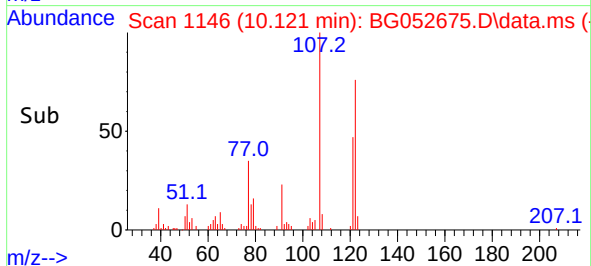
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:122 Resp: 2195
Ion Ratio Lower Upper
122 100
107 132.3 96.7 145.1
121 62.1 46.3 69.5

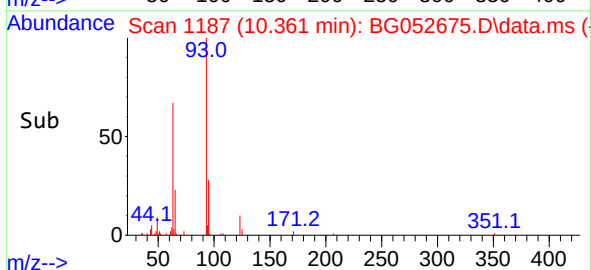
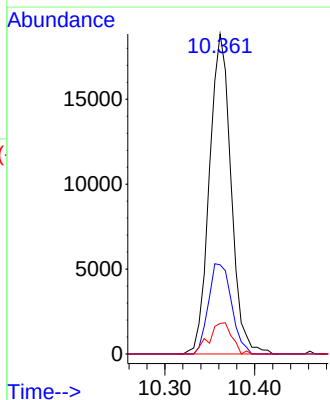
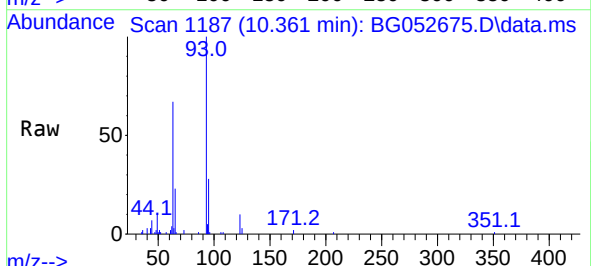
Manual Integrations
APPROVED

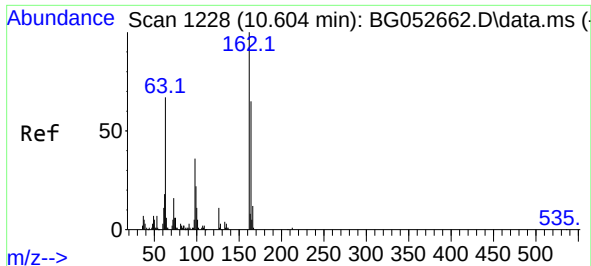
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#28
bis(2-Chloroethoxy)methane
Concen: 9.305 ng
RT: 10.361 min Scan# 1187
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

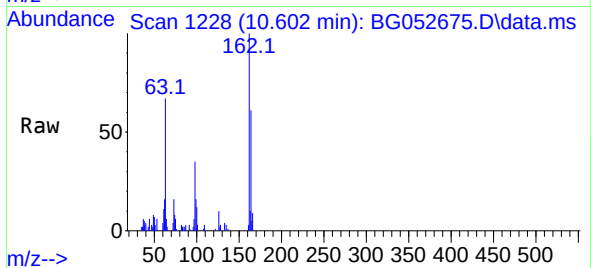
Tgt Ion: 93 Resp: 31479
Ion Ratio Lower Upper
93 100
95 27.9 26.5 39.7
123 9.5 8.6 12.8





#29
2,4-Dichlorophenol
Concen: 9.186 ng
RT: 10.602 min Scan# 1228
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

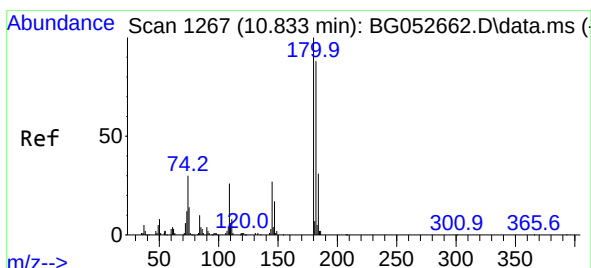
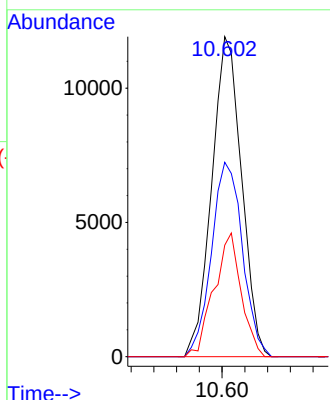
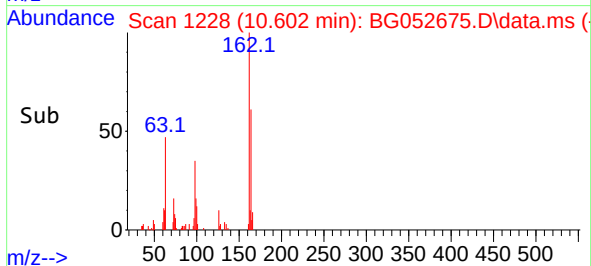
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



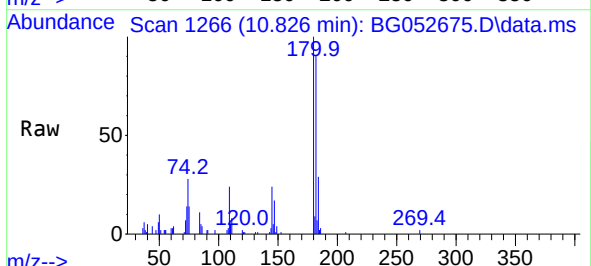
Tgt Ion:162 Resp: 2171
Ion Ratio Lower Upper
162 100
164 60.7 44.0 84.0
98 34.8 17.3 57.3

Manual Integrations
APPROVED

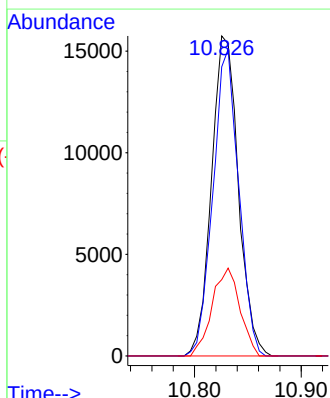
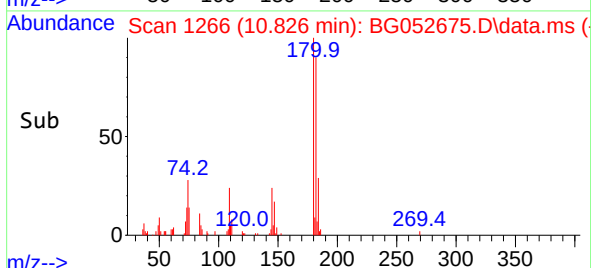
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

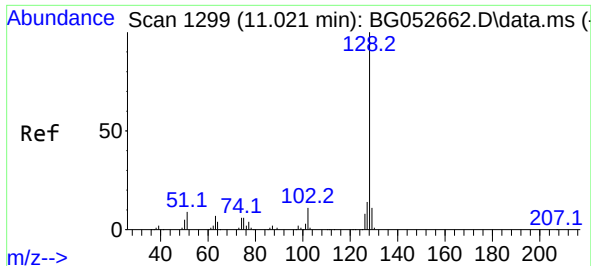


#30
1,2,4-Trichlorobenzene
Concen: 9.862 ng
RT: 10.826 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



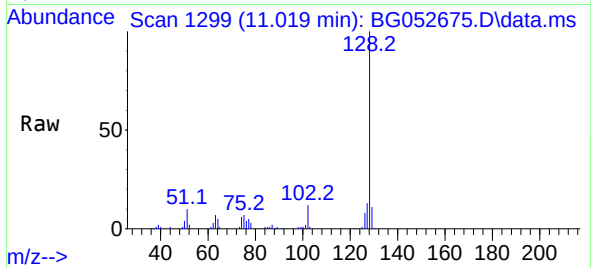
Tgt Ion:180 Resp: 27498
Ion Ratio Lower Upper
180 100
182 90.4 77.8 116.6
145 23.9 24.4 36.6#





#31
Naphthalene
Concen: 9.786 ng
RT: 11.019 min Scan# 11019
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

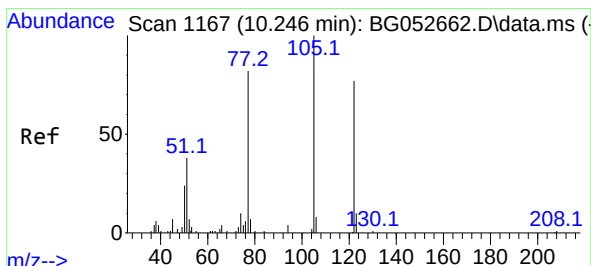
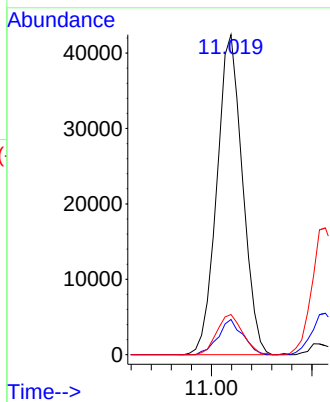
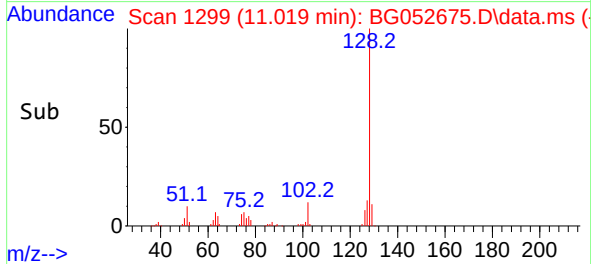
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



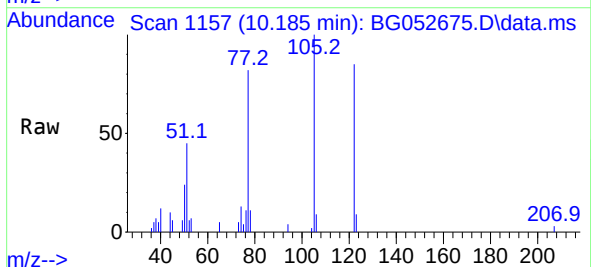
Tgt Ion:128 Resp: 7505
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.5 10.5 15.7

Manual Integrations
APPROVED

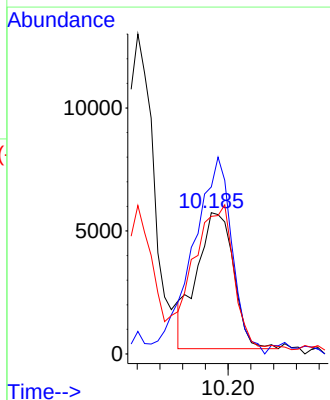
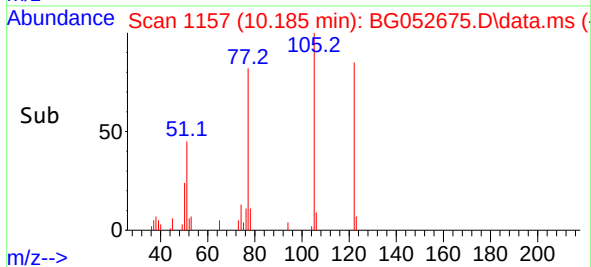
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

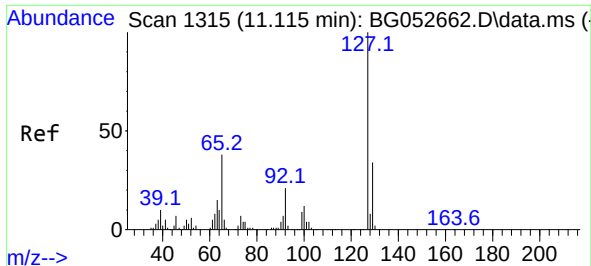


#32
Benzoic acid
Concen: 8.825 ng
RT: 10.185 min Scan# 1157
Delta R.T. -0.061 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



Tgt Ion:122 Resp: 12459
Ion Ratio Lower Upper
122 100
105 118.3 112.8 152.8
77 97.4 78.4 118.4





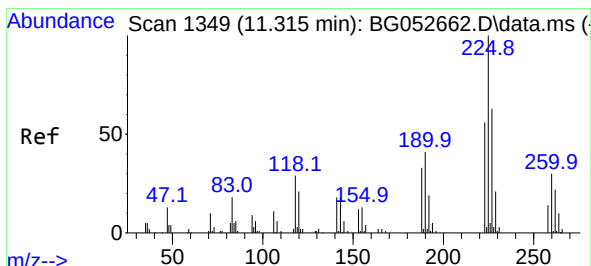
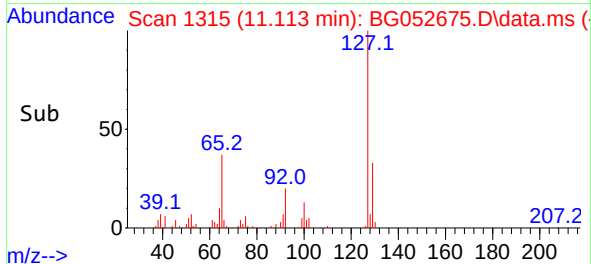
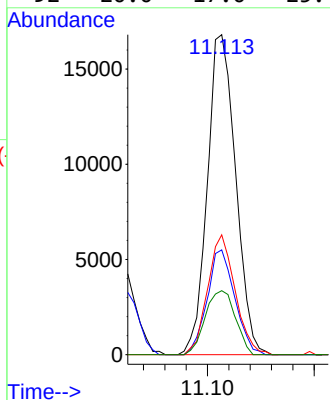
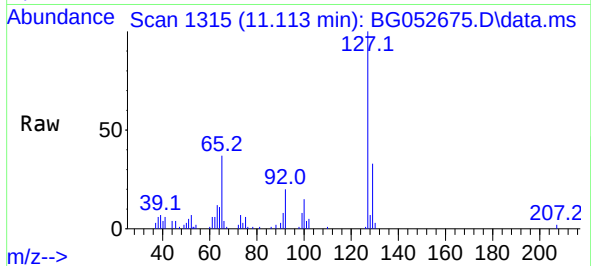
#33
4-Chloroaniline
Concen: 9.541 ng
RT: 11.113 min Scan# 1315
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:	127	Resp:	3101
Ion Ratio	Lower	Upper	
127	100		
129	32.7	27.6	41.4
65	37.5	28.2	42.4
92	20.0	17.0	25.4

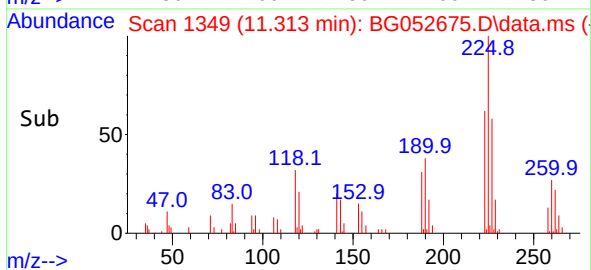
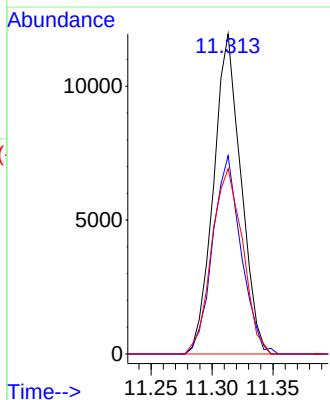
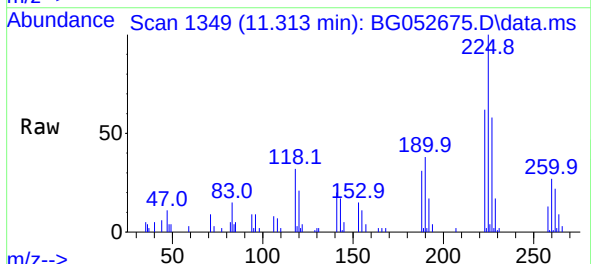
Manual Integrations
APPROVED

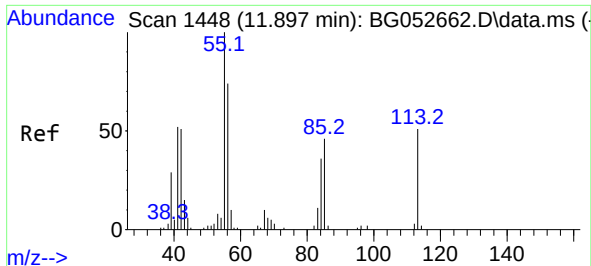
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#34
Hexachlorobutadiene
Concen: 9.359 ng
RT: 11.313 min Scan# 1349
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

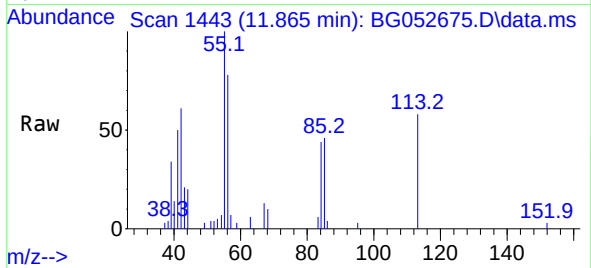
Tgt Ion:	225	Resp:	18709
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.2	75.2
227	57.9	52.0	78.0





#35
Caprolactam
Concen: 9.596 ng
RT: 11.865 min Scan# 1443
Delta R.T. -0.031 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

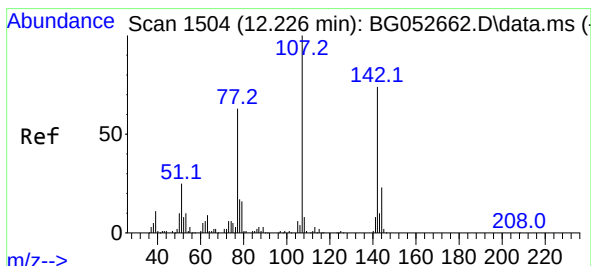
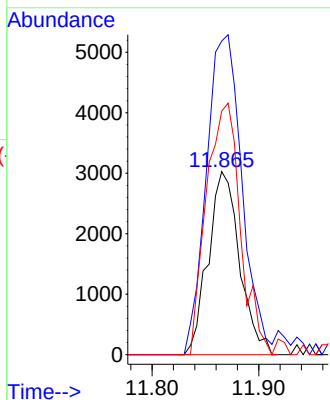
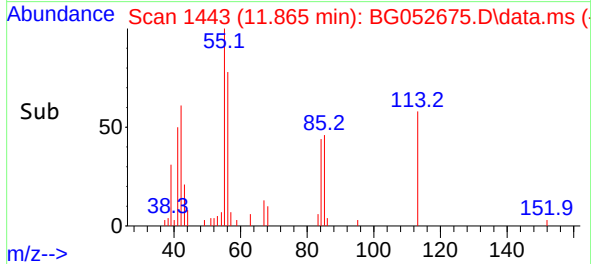
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



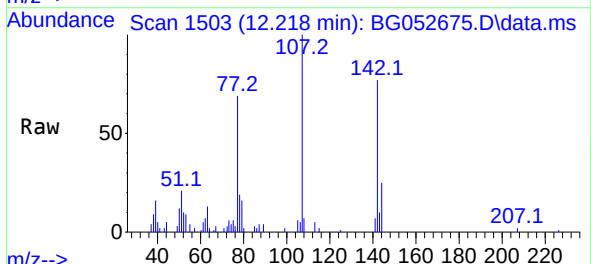
Tgt Ion:113 Resp: 619
Ion Ratio Lower Upper
113 100
55 171.3 151.3 191.3
56 133.0 128.5 168.5

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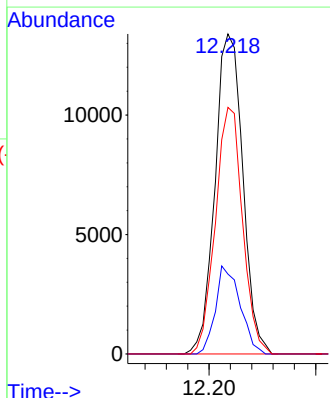
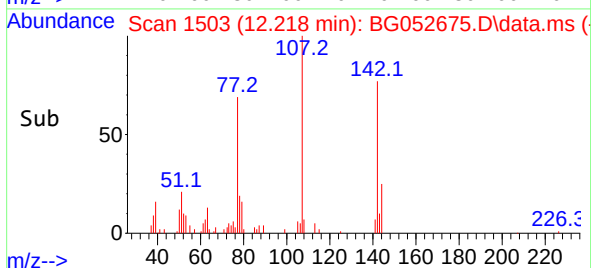
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

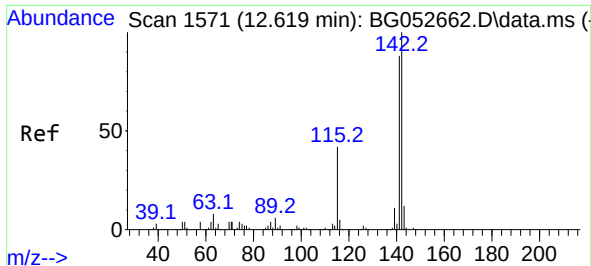


#36
4-Chloro-3-methylphenol
Concen: 8.826 ng
RT: 12.218 min Scan# 1503
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



Tgt Ion:107 Resp: 24225
Ion Ratio Lower Upper
107 100
144 24.9 21.4 32.0
142 77.1 61.7 92.5





#37

2-Methylnaphthalene

Concen: 9.494 ng

RT: 12.611 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG052675.D

Acq: 16 Mar 2022 11:40

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

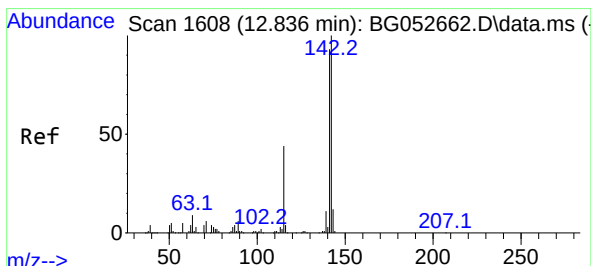
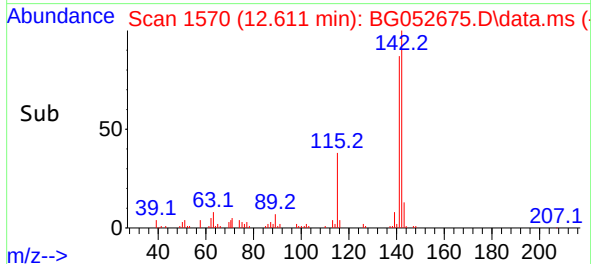
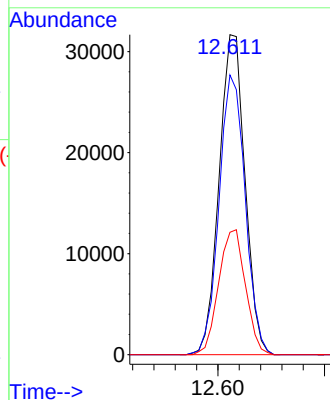
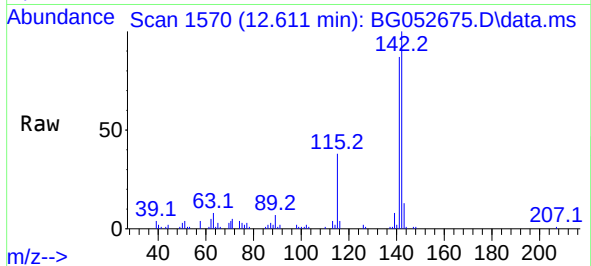
Tgt Ion:142	Resp:	53324
Ion Ratio	Lower	Upper
142	100	
141	87.4	71.3 106.9
115	38.3	29.5 44.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#38

1-Methylnaphthalene

Concen: 9.573 ng m

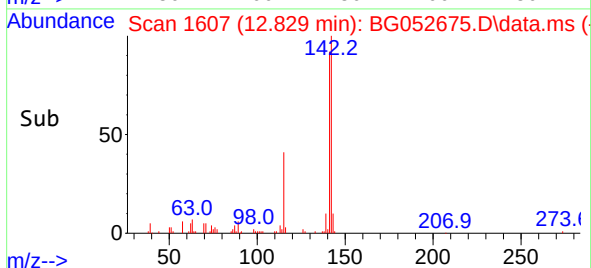
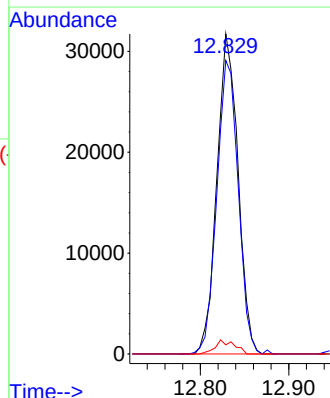
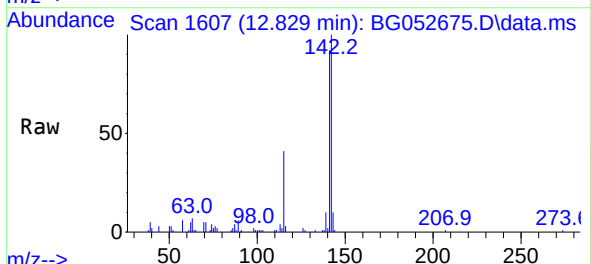
RT: 12.829 min Scan# 1607

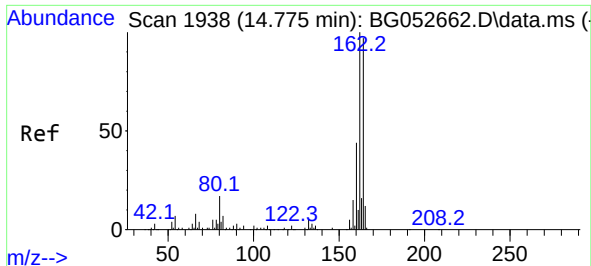
Delta R.T. -0.008 min

Lab File: BG052675.D

Acq: 16 Mar 2022 11:40

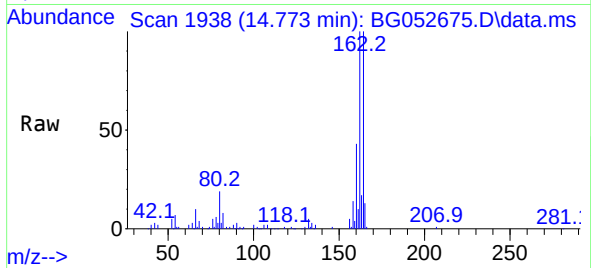
Tgt Ion:142	Resp:	52474
Ion Ratio	Lower	Upper
142	100	
141	91.7	70.5 105.7
116	2.9	3.1 4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

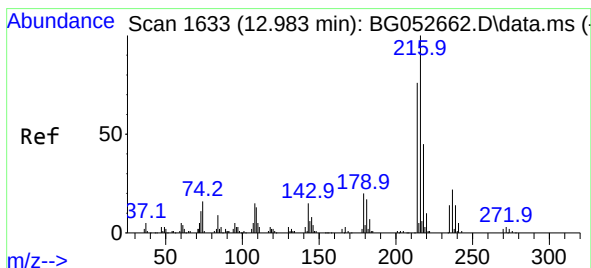
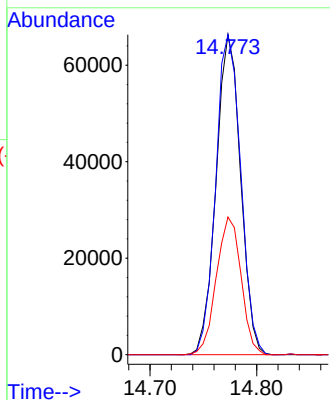
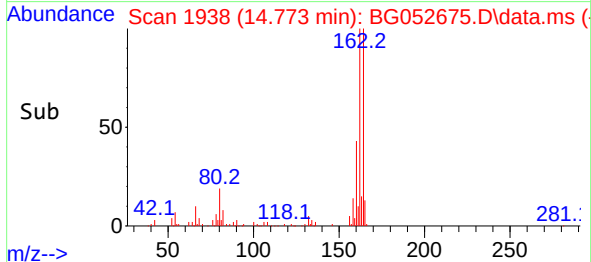
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



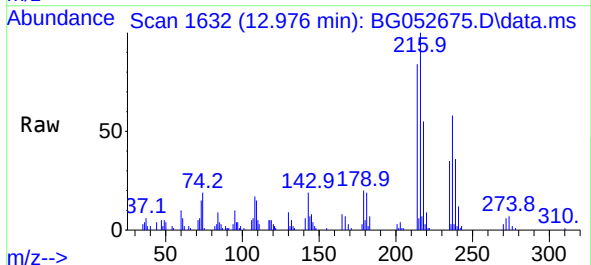
Tgt Ion:164 Resp: 105639
Ion Ratio Lower Upper
164 100
162 100.0 80.0 120.0
160 43.0 38.8 58.2

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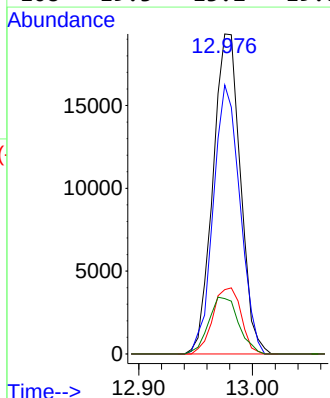
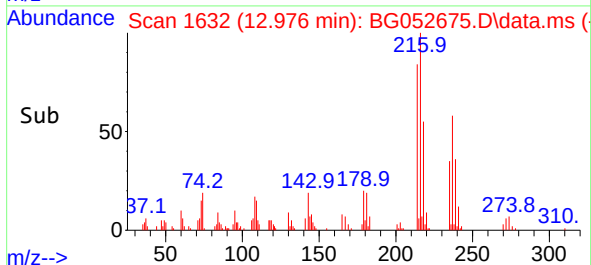
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

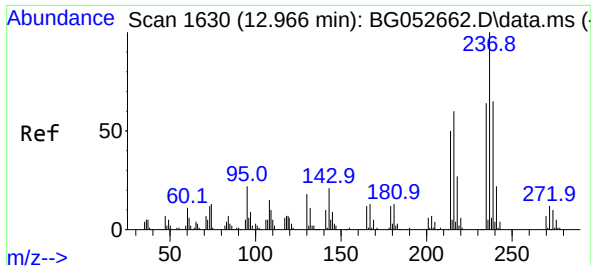


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.812 ng
RT: 12.976 min Scan# 1632
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



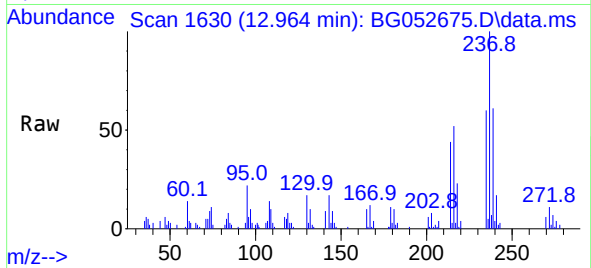
Tgt Ion:216 Resp: 32385
Ion Ratio Lower Upper
216 100
214 81.8 63.8 95.6
179 21.3 15.7 23.5
108 19.3 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 14.067 ng
RT: 12.964 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

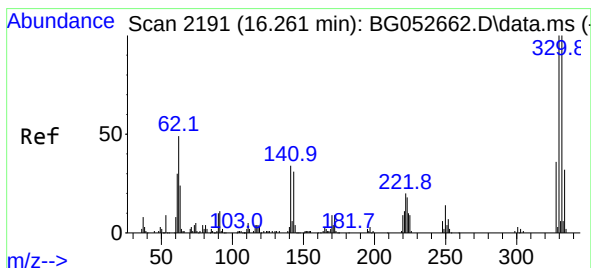
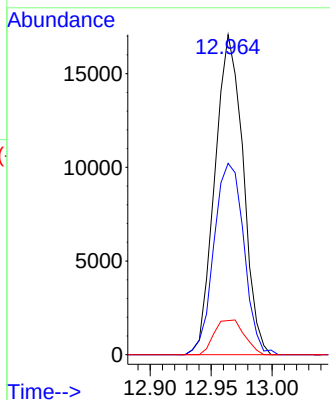
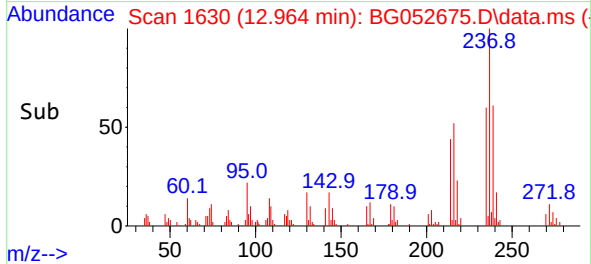
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



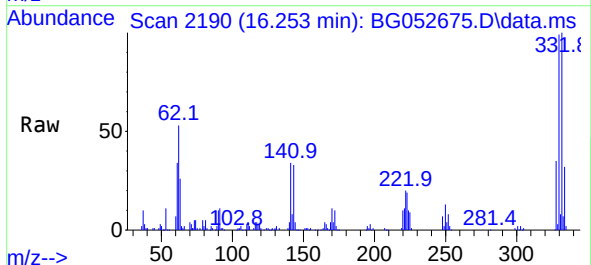
Tgt Ion:237 Resp: 27520
Ion Ratio Lower Upper
237 100
235 59.8 37.7 77.7
272 10.7 0.0 30.7

Manual Integrations
APPROVED

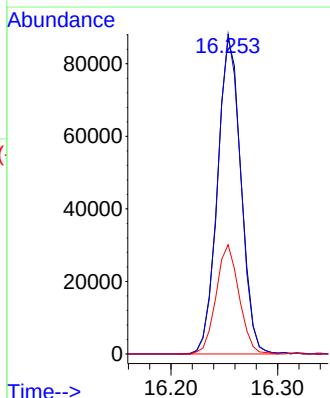
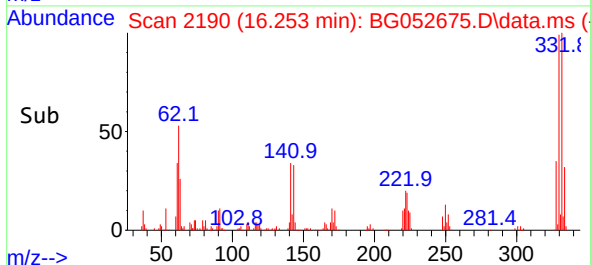
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

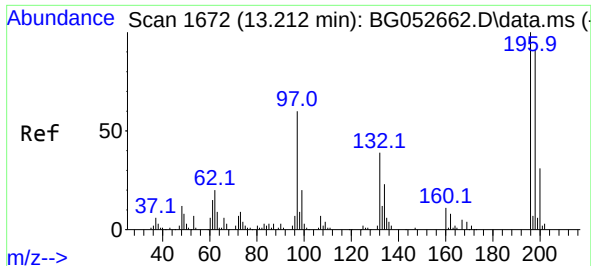


#42
2,4,6-Tribromophenol
Concen: 93.974 ng
RT: 16.253 min Scan# 2190
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



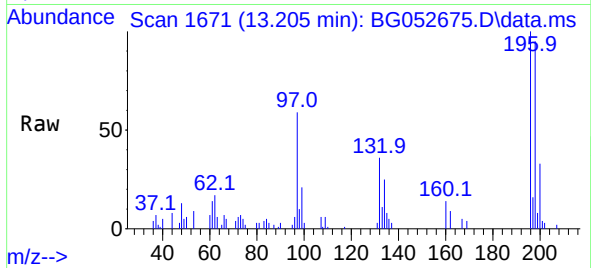
Tgt Ion:330 Resp: 133397
Ion Ratio Lower Upper
330 100
332 99.5 75.8 113.6
141 33.6 24.6 36.8





#43
2,4,6-Trichlorophenol
Concen: 9.056 ng
RT: 13.205 min Scan# 1671
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

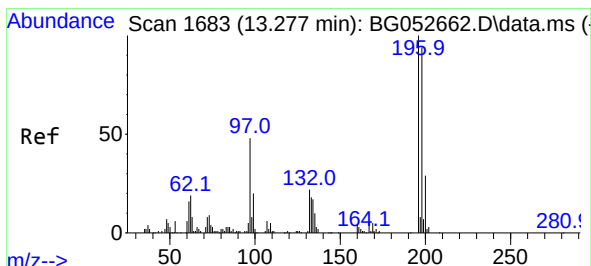
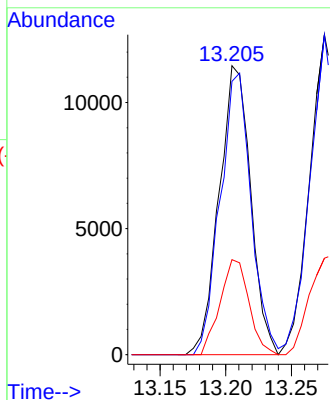
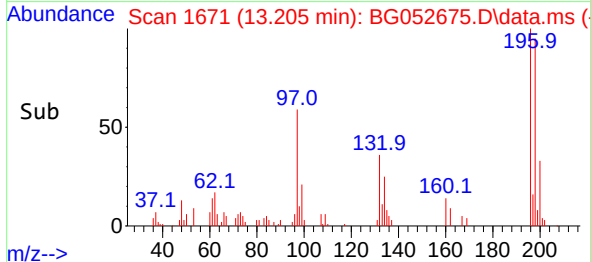
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



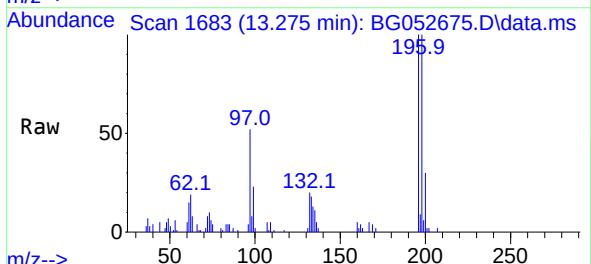
Tgt Ion:196 Resp: 19140
Ion Ratio Lower Upper
196 100
198 94.6 78.8 118.2
200 32.9 25.1 37.7

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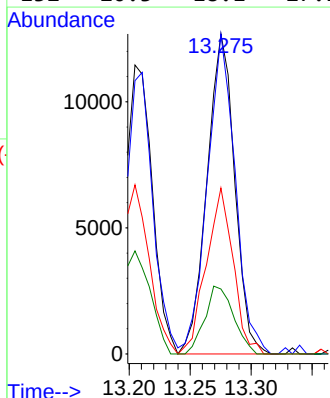
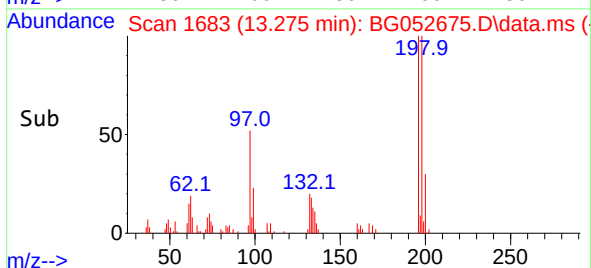
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

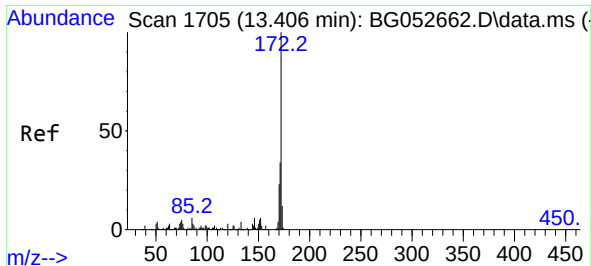


#44
2,4,5-Trichlorophenol
Concen: 9.330 ng
RT: 13.275 min Scan# 1683
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



Tgt Ion:196 Resp: 20015
Ion Ratio Lower Upper
196 100
198 99.9 75.8 113.6
97 51.8 36.5 54.7
132 20.3 18.1 27.1





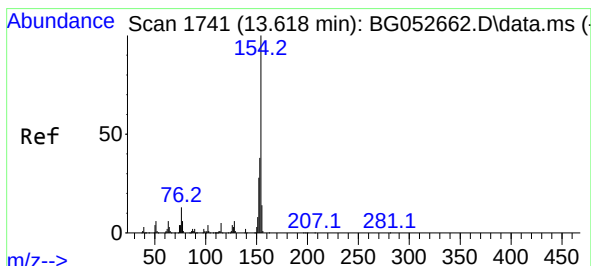
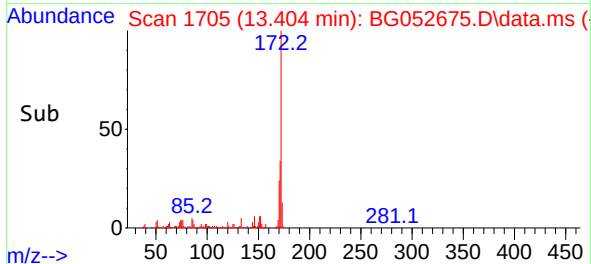
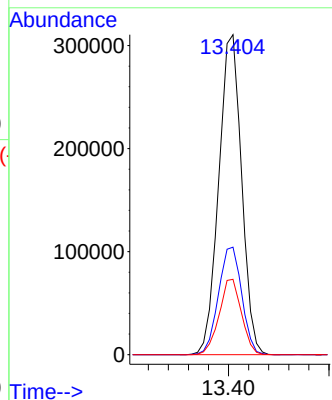
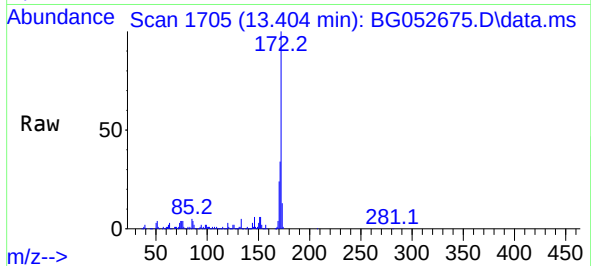
#45
2-Fluorobiphenyl
Concen: 68.364 ng
RT: 13.404 min Scan# 1705
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:172 Resp: 489674
Ion Ratio Lower Upper
172 100
171 33.6 28.3 42.5
170 23.5 18.0 27.0

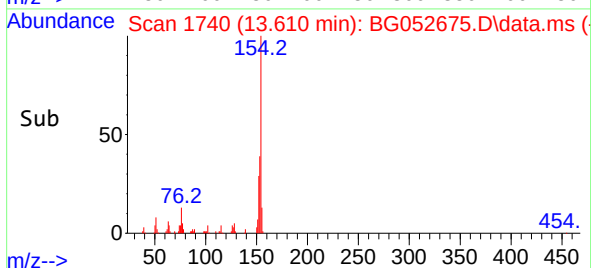
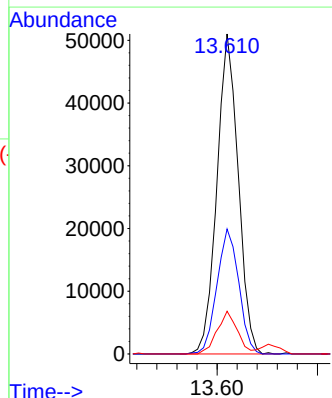
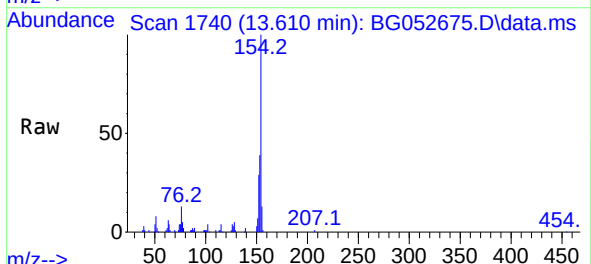
Manual Integrations
APPROVED

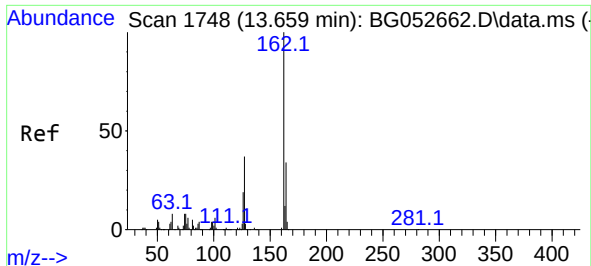
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#46
1,1'-Biphenyl
Concen: 10.175 ng
RT: 13.610 min Scan# 1740
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Tgt Ion:154 Resp: 75169
Ion Ratio Lower Upper
154 100
153 39.0 21.6 61.6
76 13.3 0.0 31.5





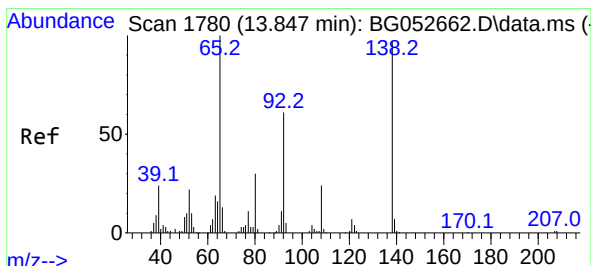
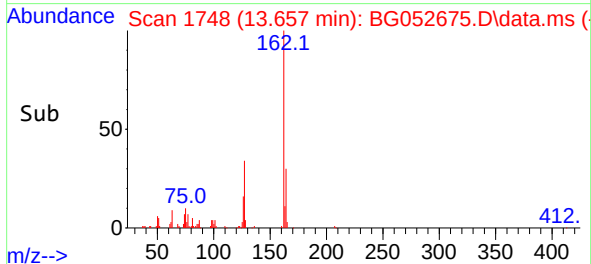
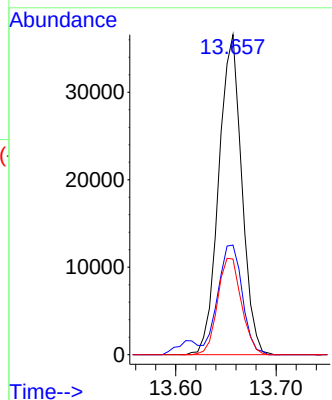
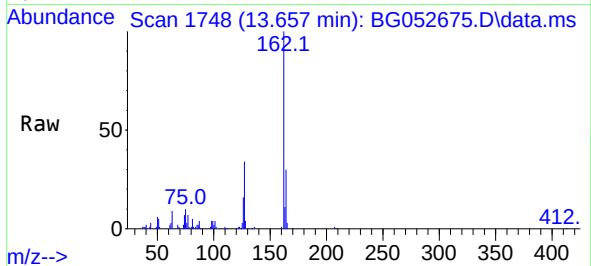
#47
2-Chloronaphthalene
Concen: 9.993 ng
RT: 13.657 min Scan# 1748
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.3	28.1	42.1
164	29.9	26.0	39.0

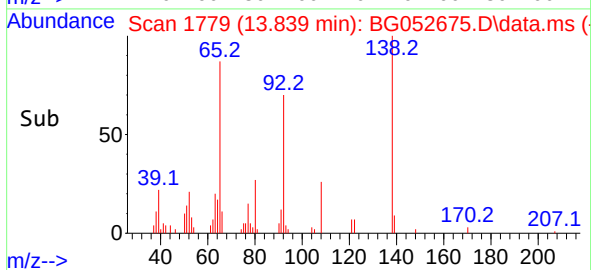
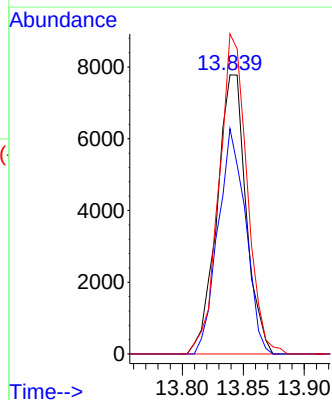
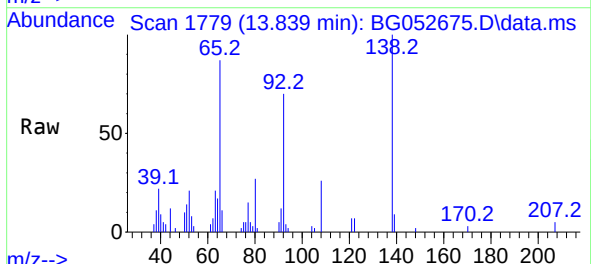
Manual Integrations
APPROVED

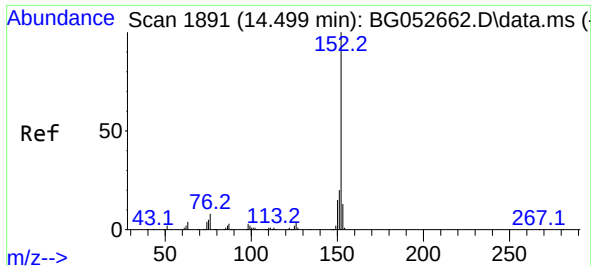
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#48
2-Nitroaniline
Concen: 8.110 ng
RT: 13.839 min Scan# 1779
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

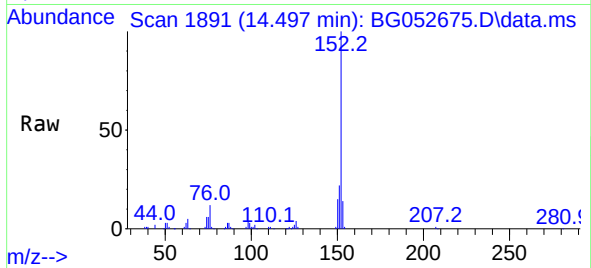
Tgt Ion	Ratio	Lower	Upper
65	100		
92	80.7	52.1	78.1
138	114.7	80.1	120.1





#49
Acenaphthylene
Concen: 10.148 ng
RT: 14.497 min Scan# 1891
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

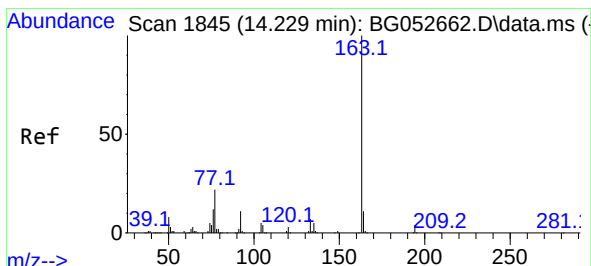
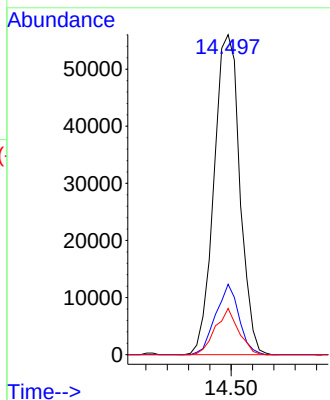
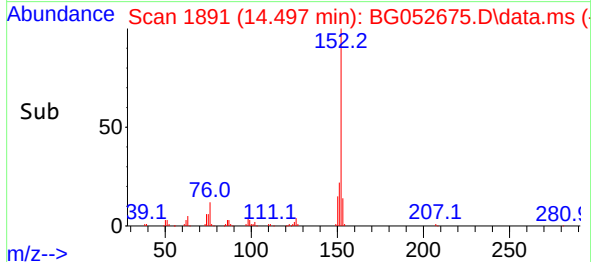
Instrument : BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



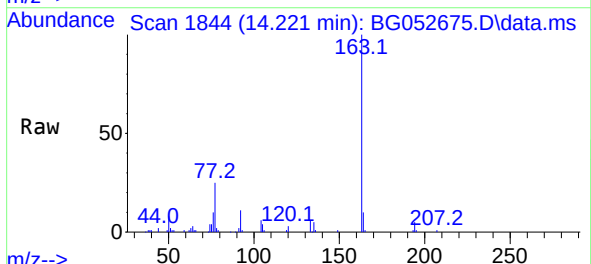
Tgt Ion:152 Resp: 94115
Ion Ratio Lower Upper
152 100
151 22.0 15.8 23.6
153 14.4 10.6 15.8

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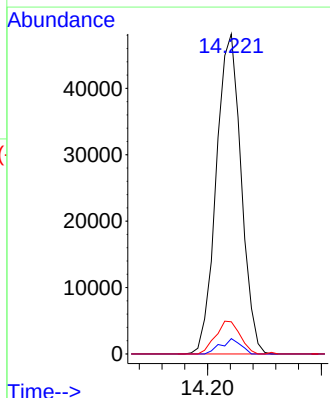
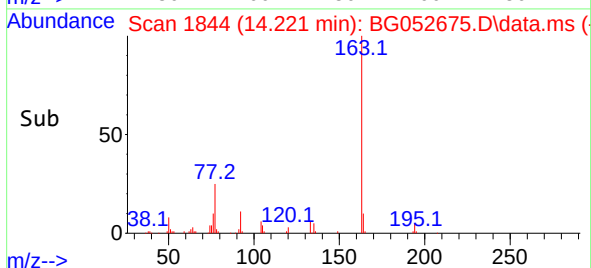
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

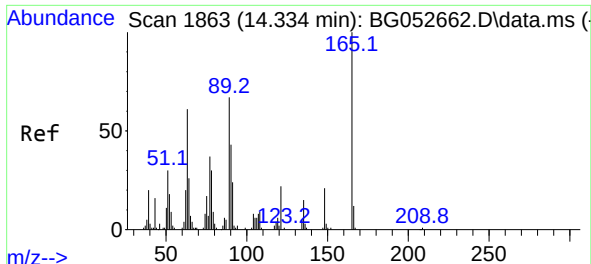


#50
Dimethylphthalate
Concen: 9.317 ng
RT: 14.221 min Scan# 1844
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



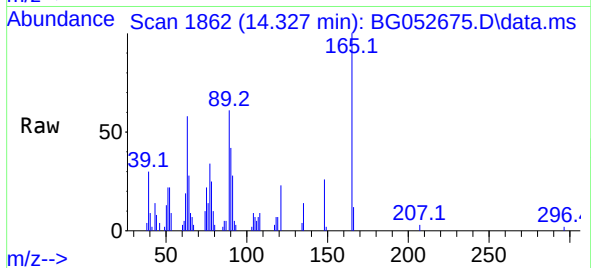
Tgt Ion:163 Resp: 73151
Ion Ratio Lower Upper
163 100
194 4.8 3.3 4.9
164 10.0 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 9.696 ng
RT: 14.327 min Scan# 1862
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

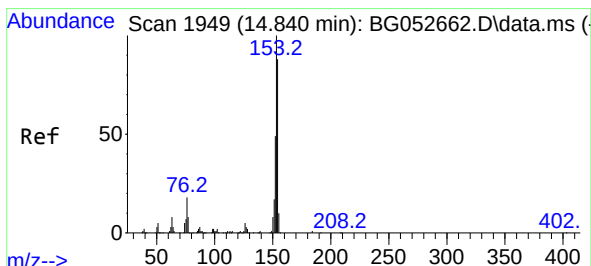
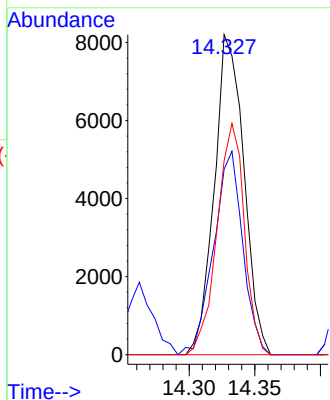
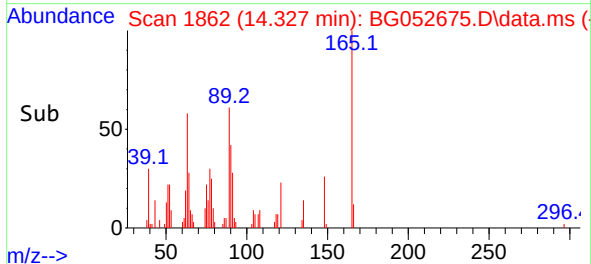
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 1285
Ion Ratio Lower Upper
165 100
63 58.0 43.7 65.5
89 60.6 45.0 67.4

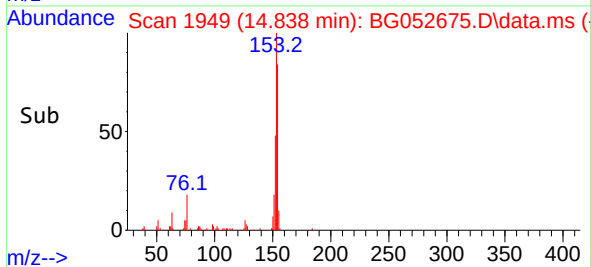
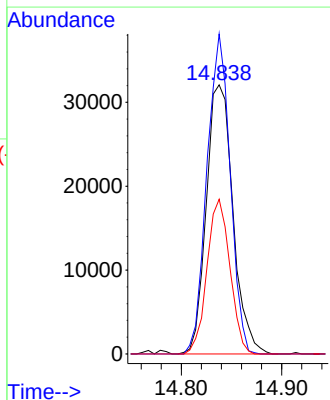
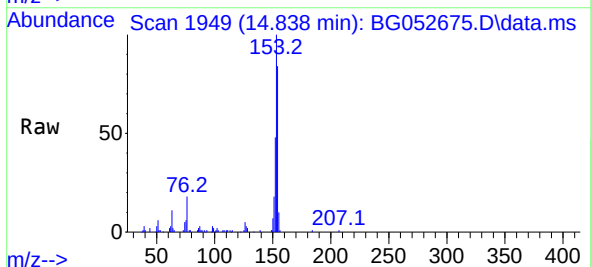
Manual Integrations
APPROVED

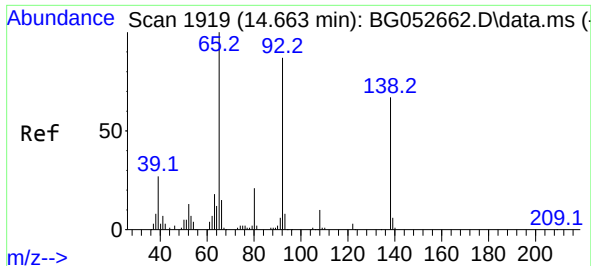
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#52
Acenaphthene
Concen: 9.988 ng
RT: 14.838 min Scan# 1949
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

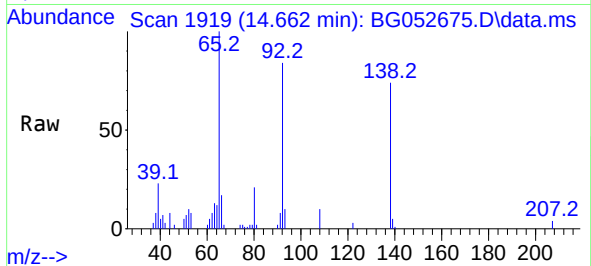
Tgt Ion:154 Resp: 59345
Ion Ratio Lower Upper
154 100
153 118.9 89.0 133.4
152 57.5 40.5 60.7





#53
3-Nitroaniline
Concen: 8.981 ng
RT: 14.662 min Scan# 1919
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

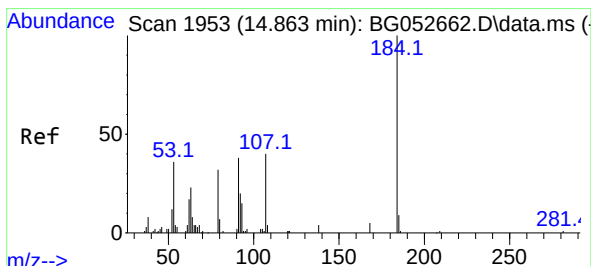
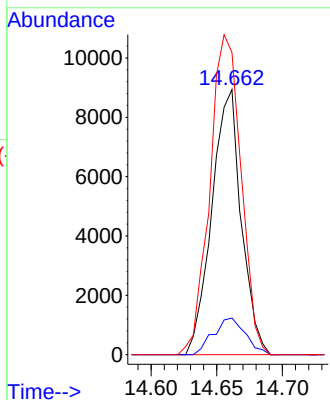
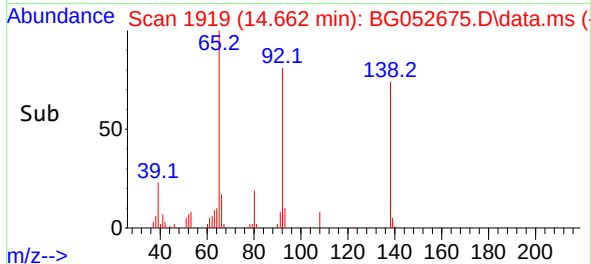
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



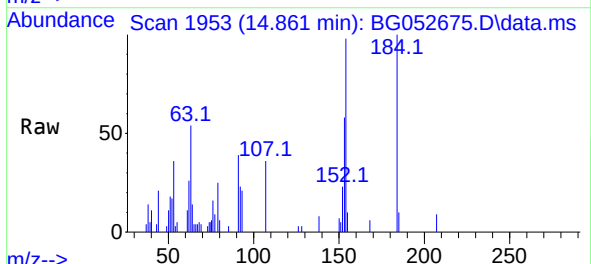
Tgt Ion:138 Resp: 13930
Ion Ratio Lower Upper
138 100
108 13.8 8.0 12.0
92 114.0 96.2 144.2

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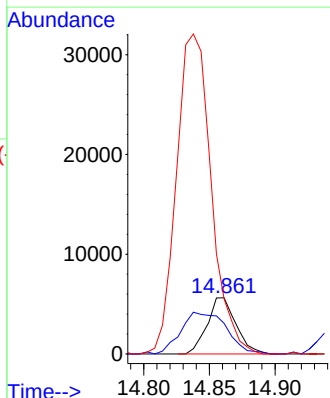
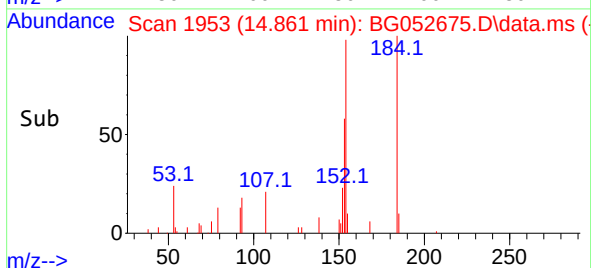
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

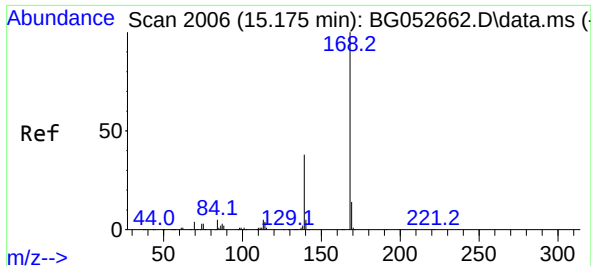


#54
2,4-Dinitrophenol
Concen: 11.869 ng
RT: 14.861 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



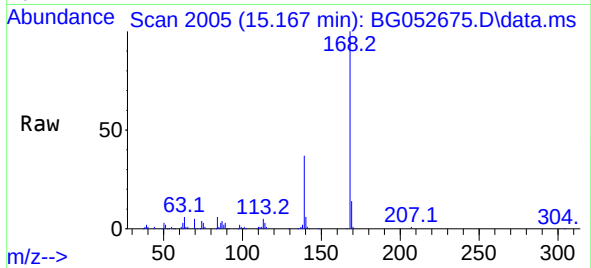
Tgt Ion:184 Resp: 8576
Ion Ratio Lower Upper
184 100
63 54.4 51.8 77.6
154 97.7 47.8 71.6





#55
Dibenzenofuran
Concen: 9.634 ng
RT: 15.167 min Scan# 2006
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

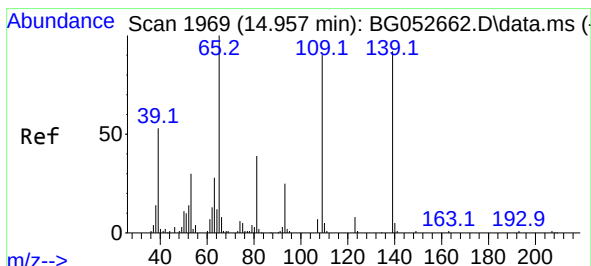
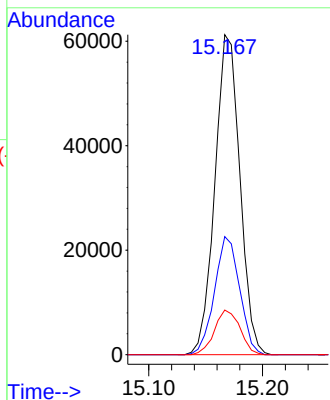
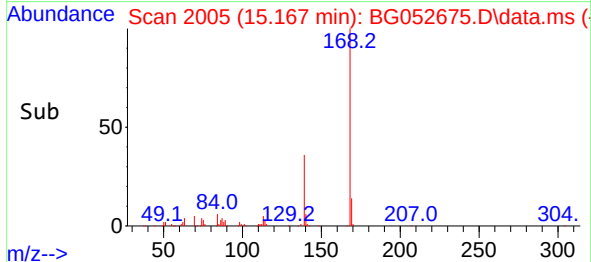
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



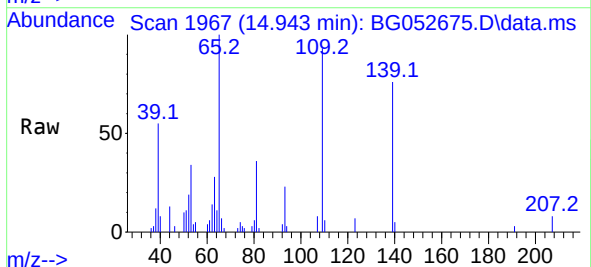
Tgt Ion:168 Resp: 93479
Ion Ratio Lower Upper
168 100
139 36.9 30.2 45.4
169 14.0 10.7 16.1

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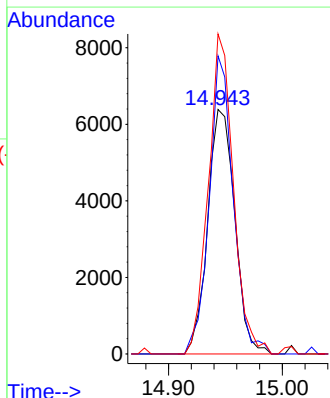
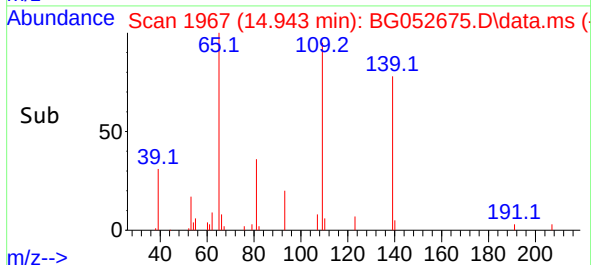
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

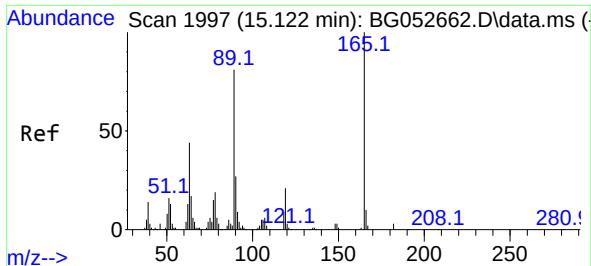


#56
4-Nitrophenol
Concen: 8.382 ng
RT: 14.943 min Scan# 1967
Delta R.T. -0.014 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



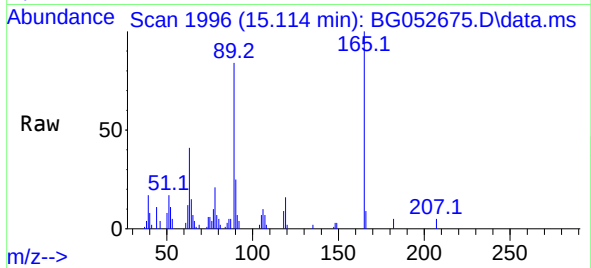
Tgt Ion:139 Resp: 10606
Ion Ratio Lower Upper
139 100
109 122.0 67.1 107.1#
65 130.9 88.2 128.2#





#57
2,4-Dinitrotoluene
Concen: 9.476 ng
RT: 15.114 min Scan# 1996
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

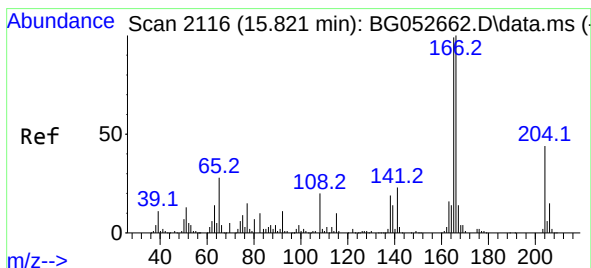
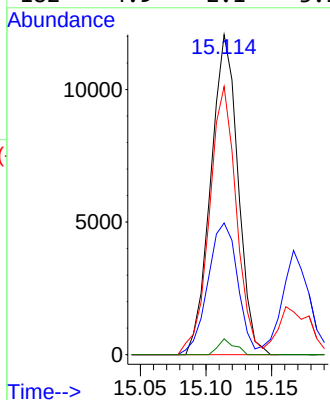
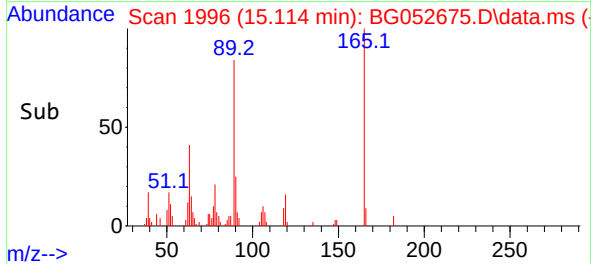
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 17428
Ion Ratio Lower Upper
165 100
63 41.2 34.8 52.2
89 83.8 57.4 86.0
182 4.9 2.1 3.1#

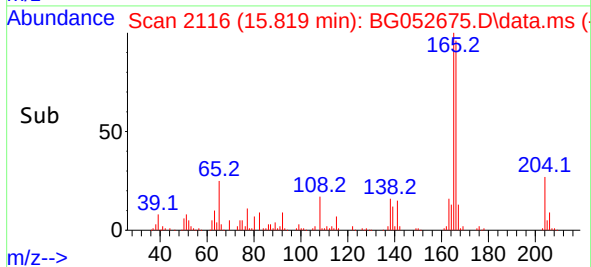
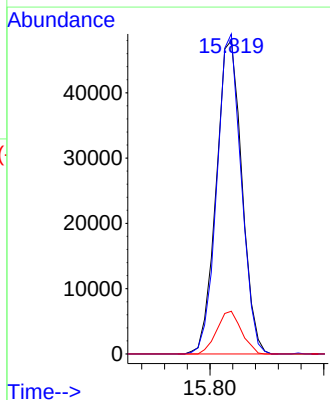
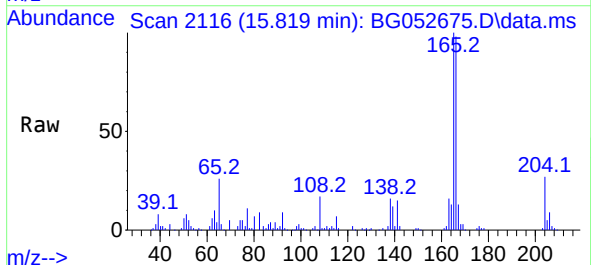
Manual Integrations
APPROVED

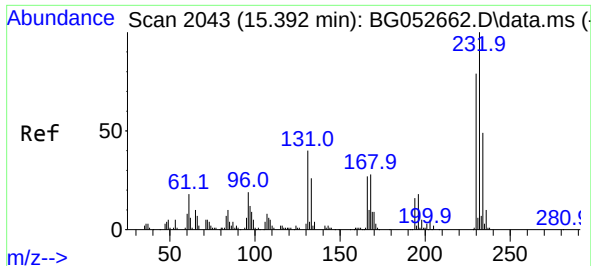
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 9.491 ng
RT: 15.819 min Scan# 2116
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

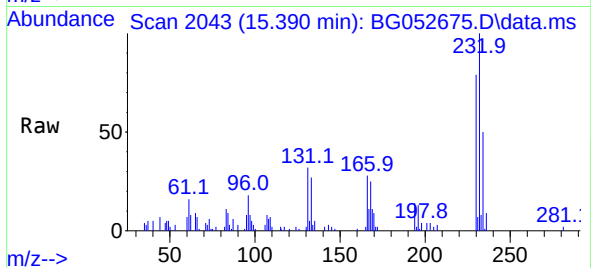
Tgt Ion:166 Resp: 75068
Ion Ratio Lower Upper
166 100
165 102.1 78.6 117.8
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.621 ng
RT: 15.390 min Scan# 2043
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

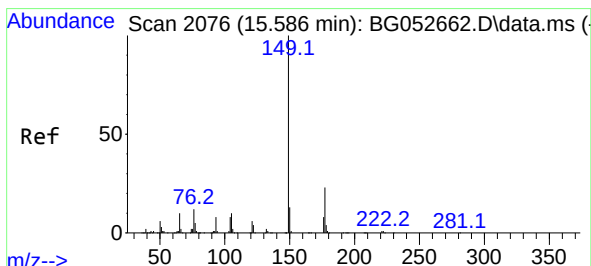
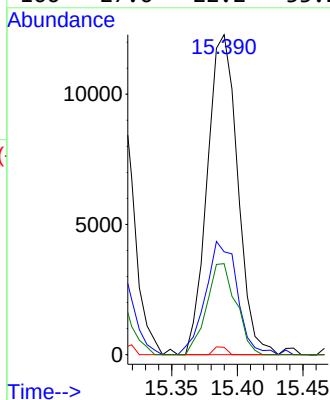
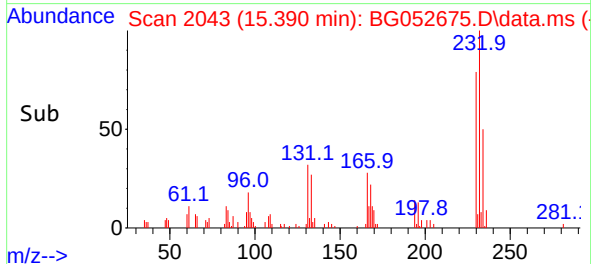
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



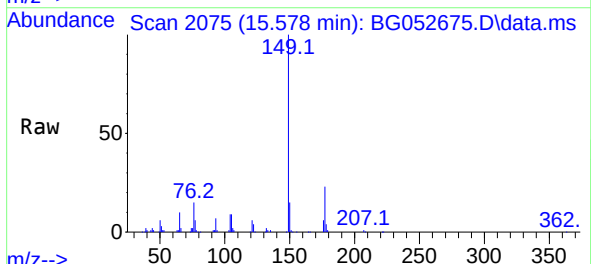
Tgt Ion:232 Resp: 19769
Ion Ratio Lower Upper
232 100
131 37.4 30.1 45.1
130 1.0 1.8 2.8
166 27.6 22.2 33.2

Manual Integrations
APPROVED

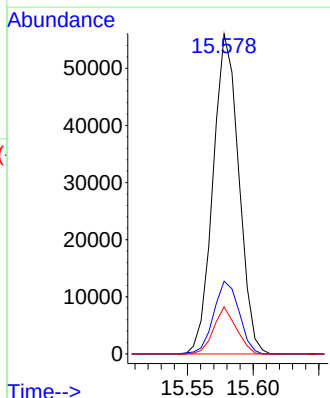
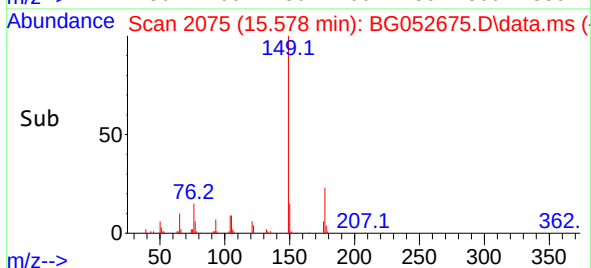
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

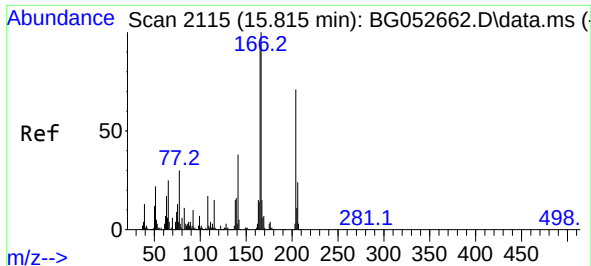


#60
Diethylphthalate
Concen: 9.210 ng
RT: 15.578 min Scan# 2075
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



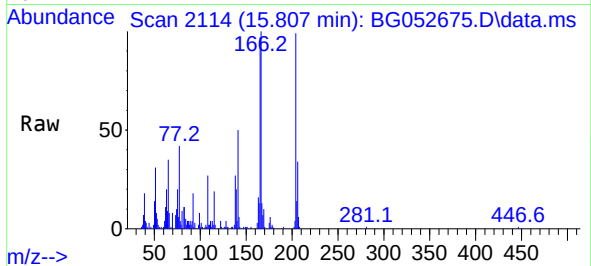
Tgt Ion:149 Resp: 76327
Ion Ratio Lower Upper
149 100
177 22.8 18.2 27.2
150 14.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 9.276 ng
RT: 15.807 min Scan# 2114
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

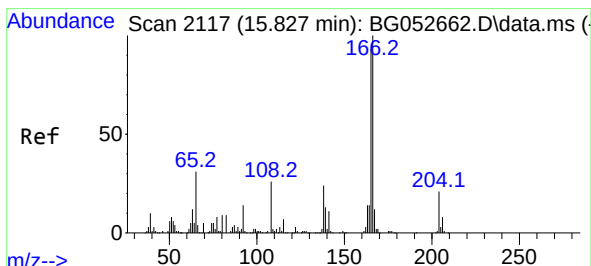
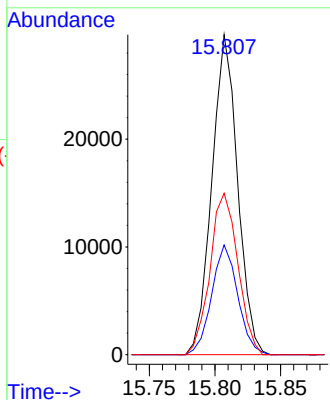
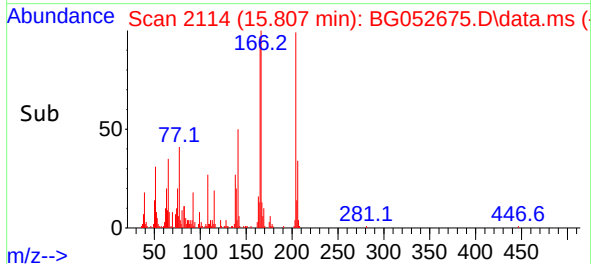
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



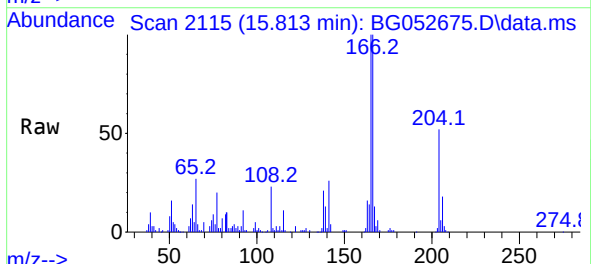
Tgt Ion:204 Resp: 40460
Ion Ratio Lower Upper
204 100
206 34.3 28.3 42.5
141 50.5 45.8 68.8

Manual Integrations
APPROVED

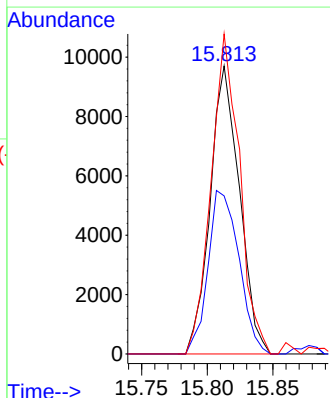
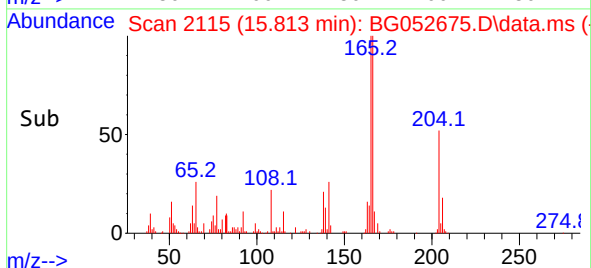
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

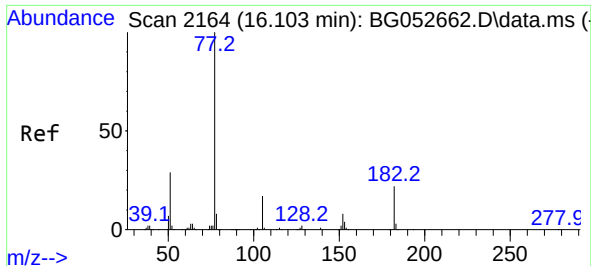


#62
4-Nitroaniline
Concen: 9.189 ng
RT: 15.813 min Scan# 2115
Delta R.T. -0.014 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



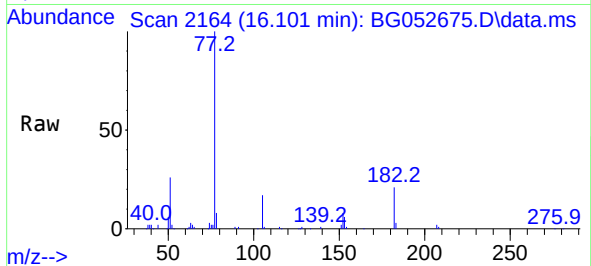
Tgt Ion:138 Resp: 15061
Ion Ratio Lower Upper
138 100
92 54.9 33.3 73.3
108 111.1 74.2 114.2





#63
Azobenzene
Concen: 9.243 ng
RT: 16.101 min Scan# 2164
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022

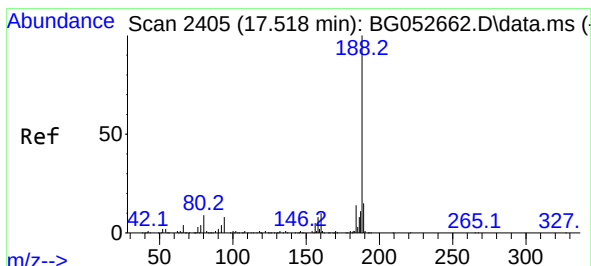
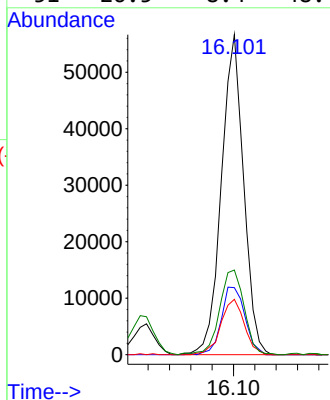
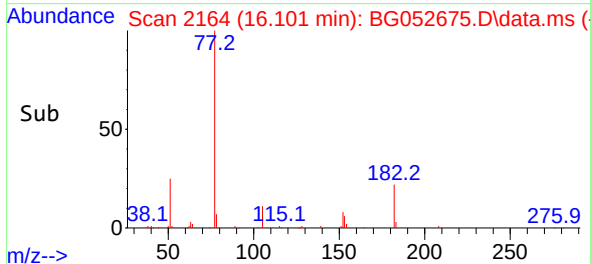


Tgt Ion: 77 Resp: 8187

Ion	Ratio	Lower	Upper
77	100		
182	20.9	5.6	45.6
105	17.3	0.0	38.8
51	26.5	8.4	48.4

Manual Integrations
APPROVED

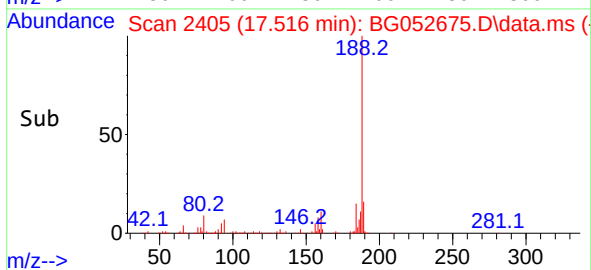
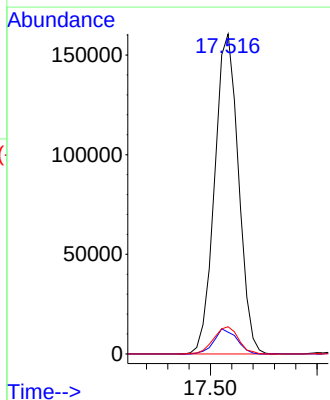
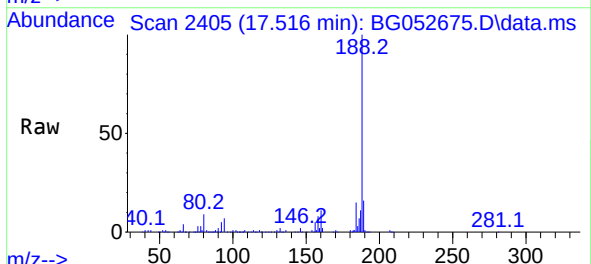
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

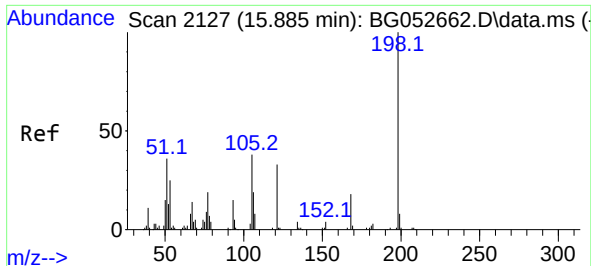


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.516 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Tgt Ion:188 Resp: 248967

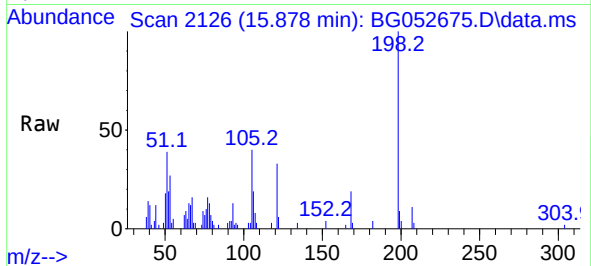
Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	8.5	7.2	10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 10.286 ng
RT: 15.878 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

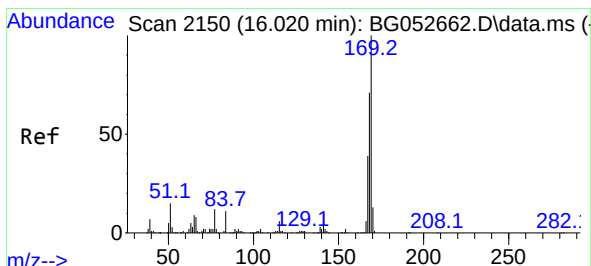
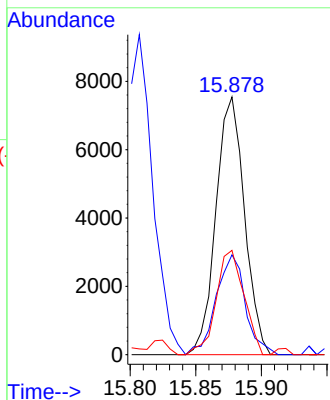
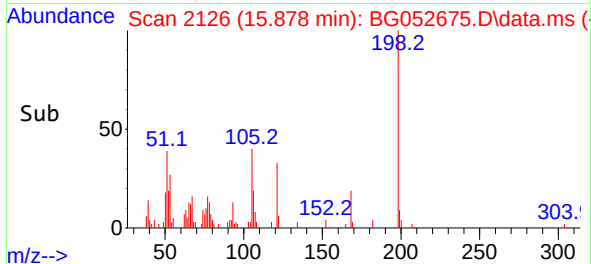
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



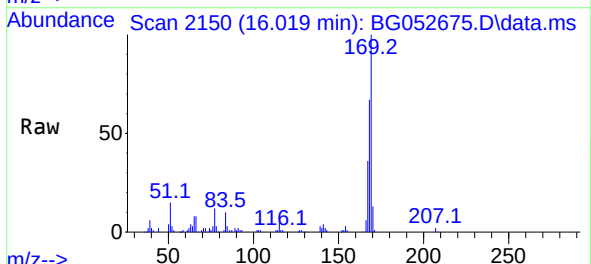
Tgt Ion:198 Resp: 1141
Ion Ratio Lower Upper
198 100
51 38.7 21.7 61.7
105 40.5 20.8 60.8

Manual Integrations
APPROVED

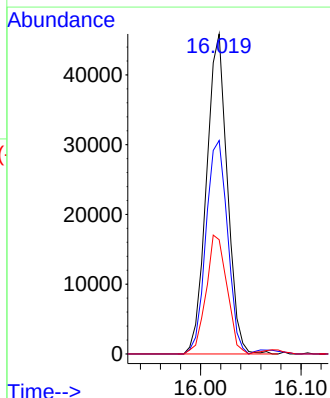
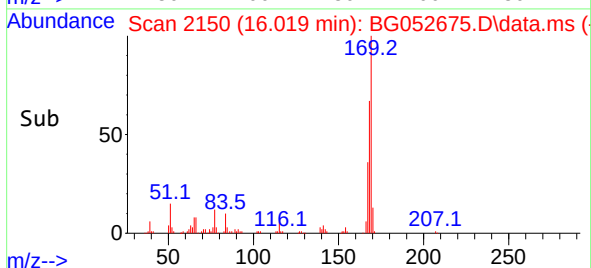
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

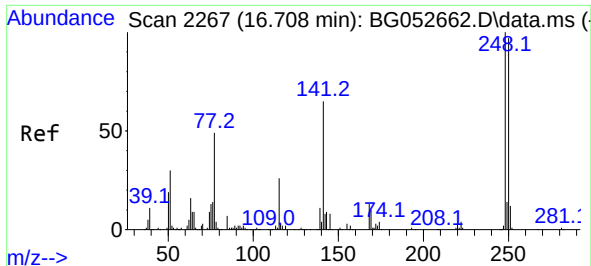


#66
n-Nitrosodiphenylamine
Concen: 9.431 ng
RT: 16.019 min Scan# 2150
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



Tgt Ion:169 Resp: 66103
Ion Ratio Lower Upper
169 100
168 66.7 54.5 81.7
167 35.7 29.6 44.4





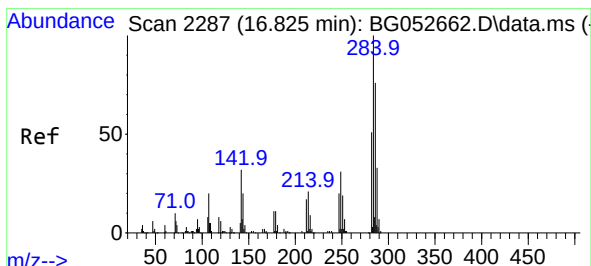
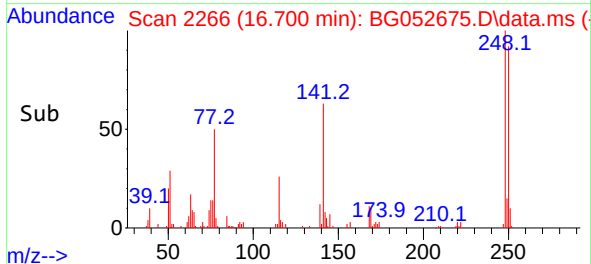
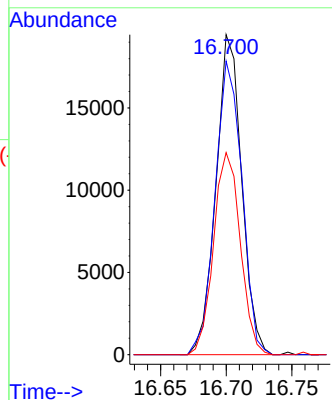
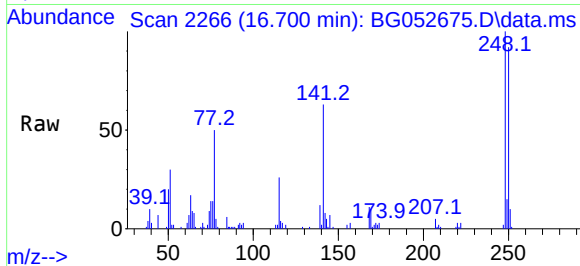
#67
4-Bromophenyl-phenylether
Concen: 8.835 ng
RT: 16.700 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:248 Resp: 26519
Ion Ratio Lower Upper
248 100
250 91.8 77.9 116.9
141 63.1 49.2 73.8

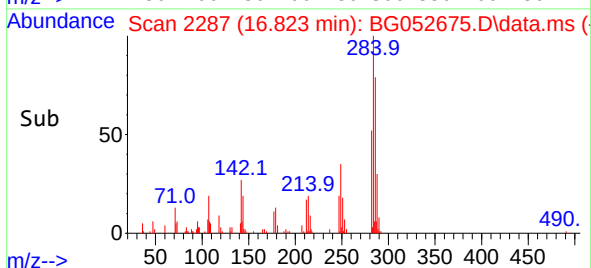
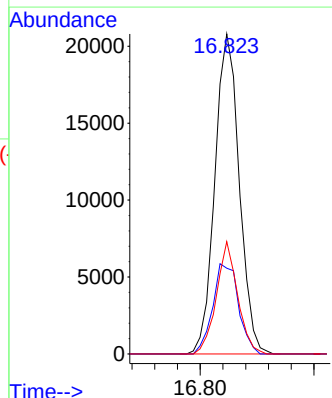
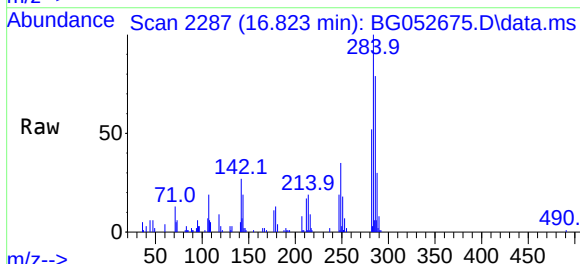
Manual Integrations
APPROVED

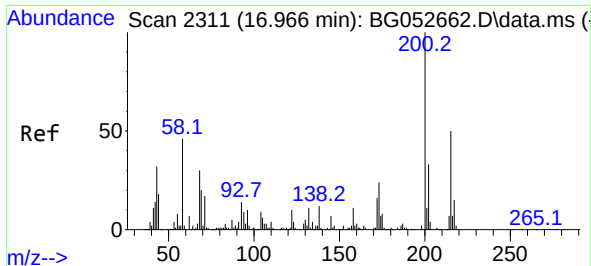
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#68
Hexachlorobenzene
Concen: 9.597 ng
RT: 16.823 min Scan# 2287
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

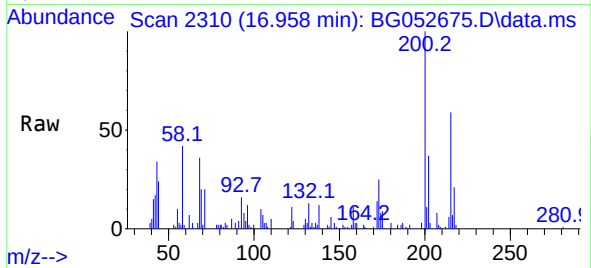
Tgt Ion:284 Resp: 30963
Ion Ratio Lower Upper
284 100
142 26.8 21.0 31.4
249 35.1 22.7 34.1#





#69
Atrazine
Concen: 10.038 ng
RT: 16.958 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

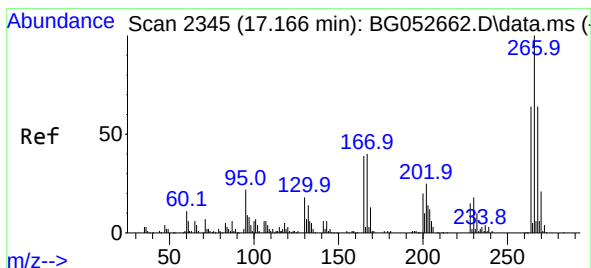
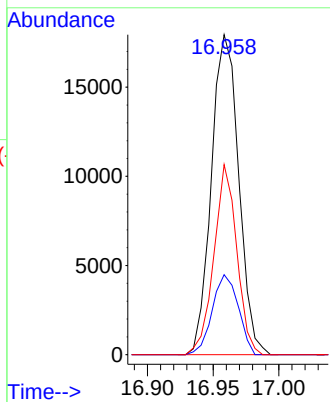
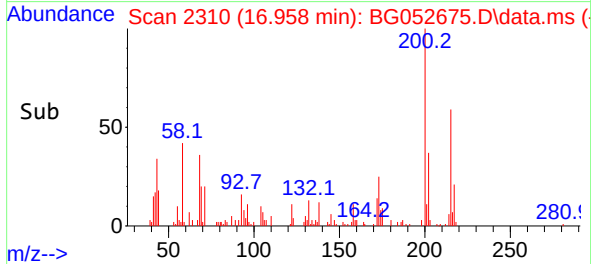
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



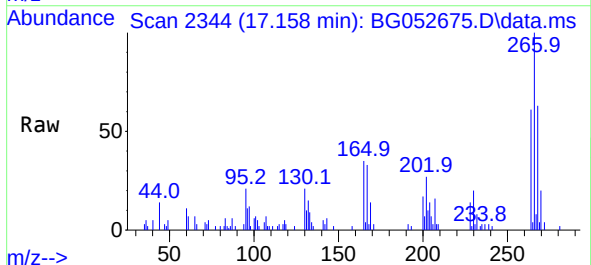
Tgt Ion:200 Resp: 2594
Ion Ratio Lower Upper
200 100
173 25.0 3.8 43.8
215 59.4 26.3 66.3

Manual Integrations
APPROVED

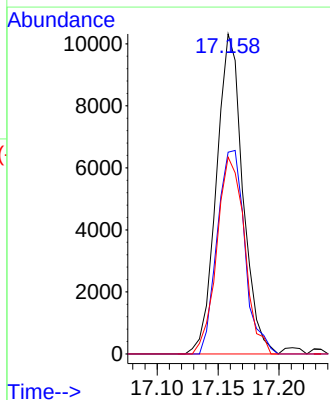
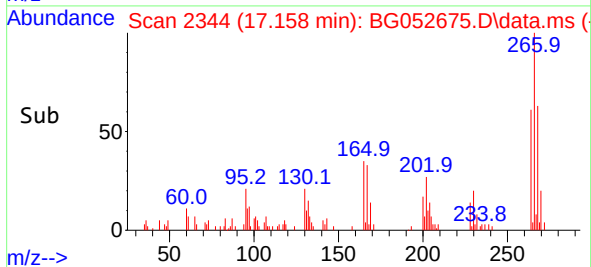
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

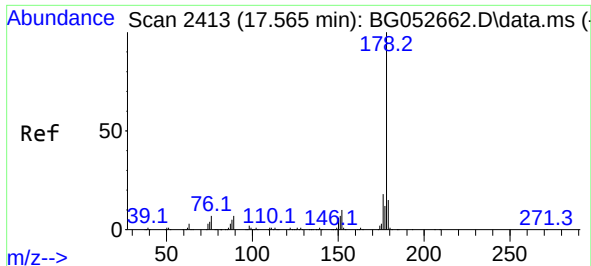


#70
Pentachlorophenol
Concen: 7.778 ng
RT: 17.158 min Scan# 2344
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



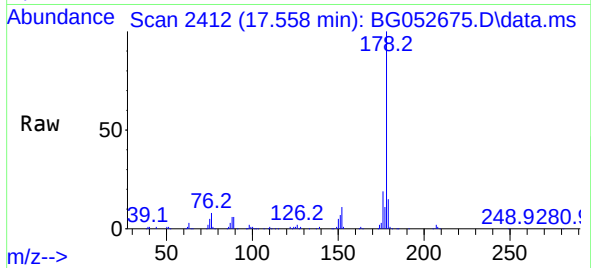
Tgt Ion:266 Resp: 15569
Ion Ratio Lower Upper
266 100
268 63.1 45.9 68.9
264 61.5 45.3 67.9





#71
Phenanthrene
Concen: 9.957 ng
RT: 17.558 min Scan# 2413
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

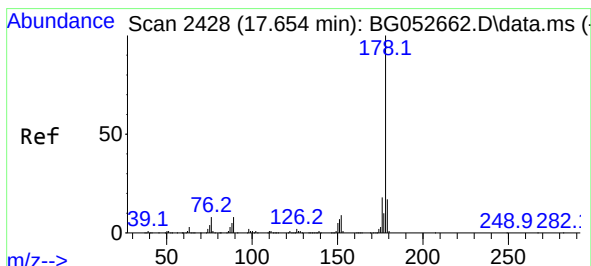
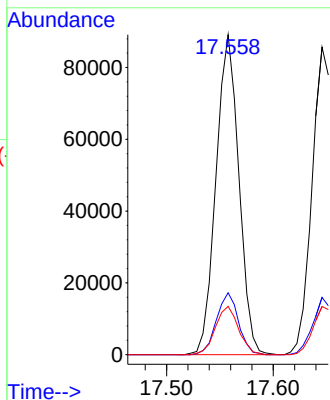
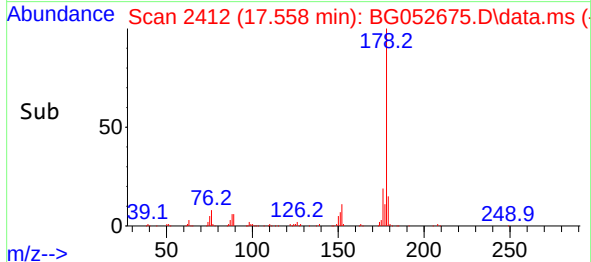
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



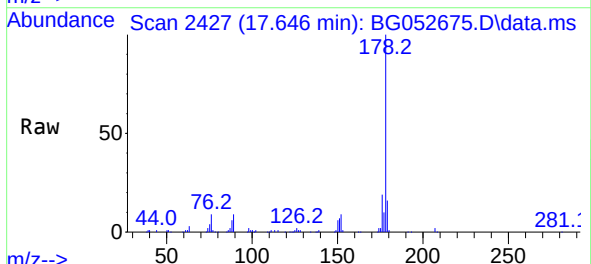
Tgt Ion:178 Resp: 13262
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.1 13.4 20.2

Manual Integrations
APPROVED

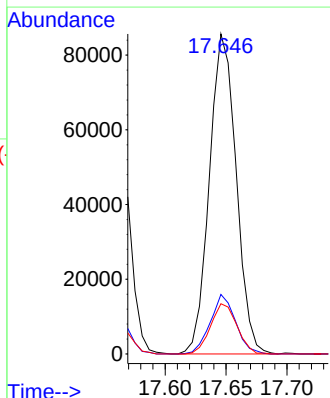
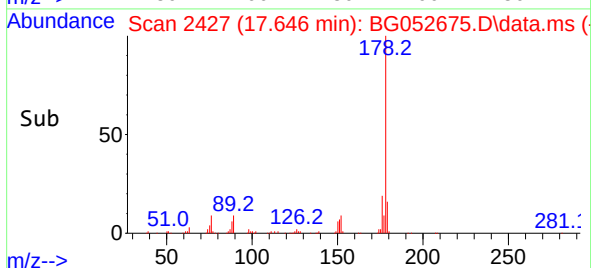
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

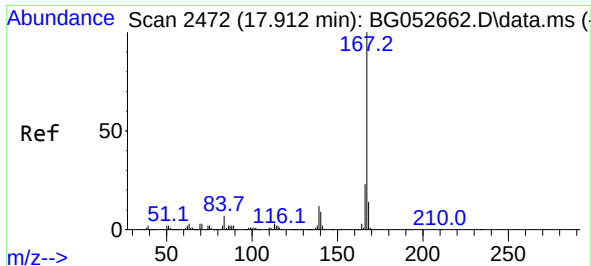


#72
Anthracene
Concen: 9.944 ng
RT: 17.646 min Scan# 2427
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



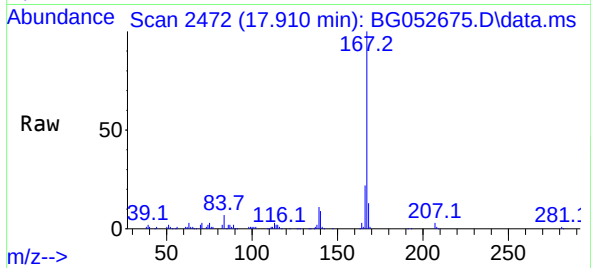
Tgt Ion:178 Resp: 130933
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.7 13.2 19.8





#73
 Carbazole
 Concen: 9.360 ng
 RT: 17.910 min Scan# 2472
 Delta R.T. -0.002 min
 Lab File: BG052675.D
 Acq: 16 Mar 2022 11:40

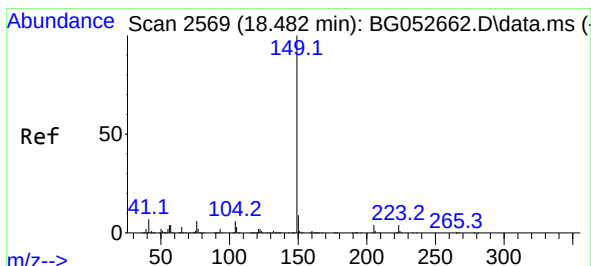
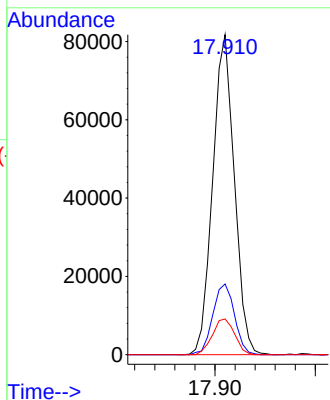
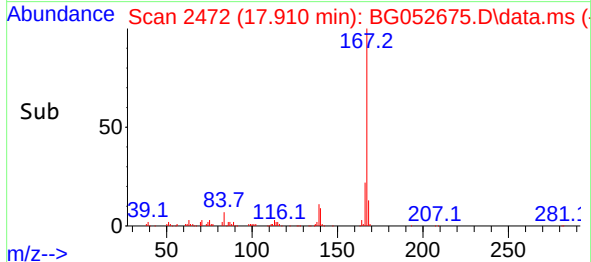
Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT1-2022



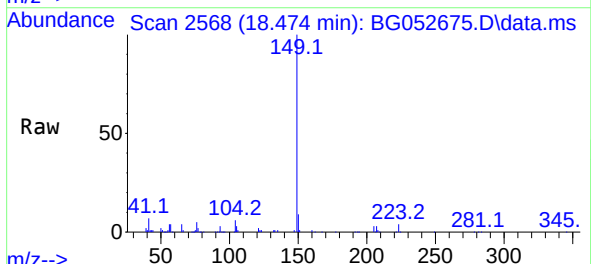
Tgt Ion:167 Resp: 122062
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.5 27.7
 139 11.2 10.0 15.0

Manual Integrations
 APPROVED

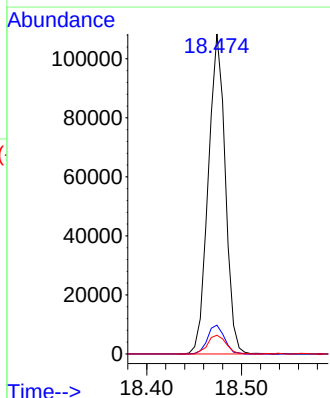
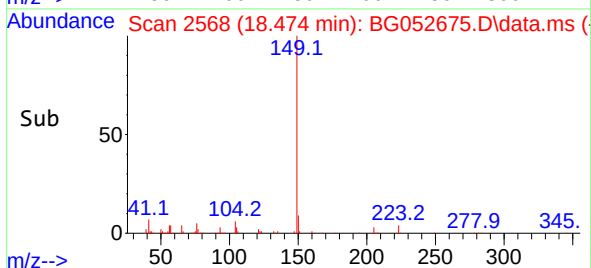
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

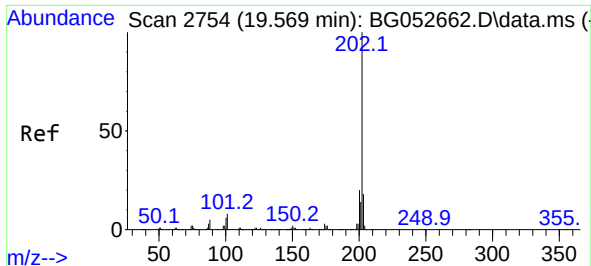


#74
 Di-n-butylphthalate
 Concen: 9.472 ng
 RT: 18.474 min Scan# 2568
 Delta R.T. -0.008 min
 Lab File: BG052675.D
 Acq: 16 Mar 2022 11:40



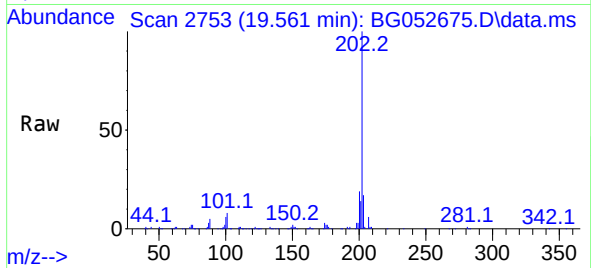
Tgt Ion:149 Resp: 134929
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.0 10.6
 104 5.9 4.6 7.0





#75
Fluoranthene
Concen: 9.982 ng
RT: 19.561 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

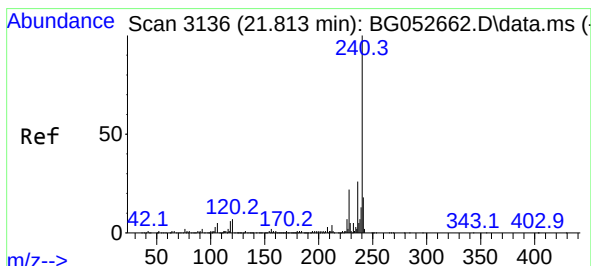
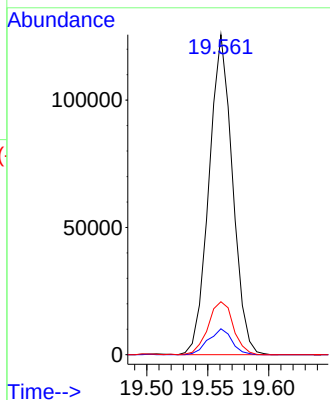
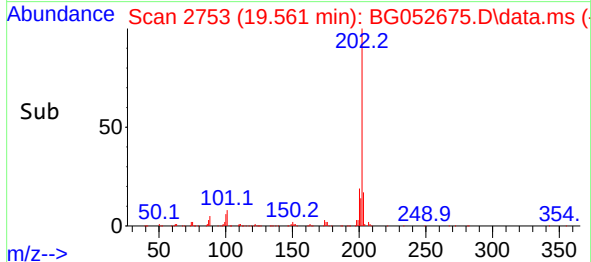
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



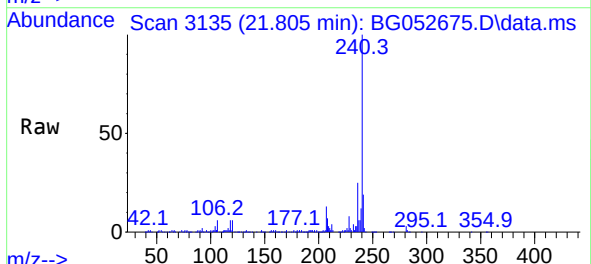
Tgt Ion:202 Resp: 168758
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.3
203 16.6 0.0 37.7

Manual Integrations
APPROVED

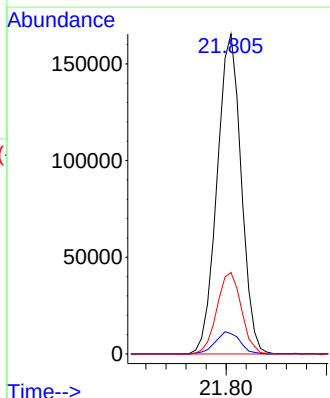
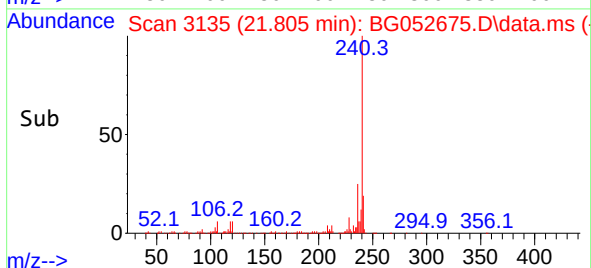
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

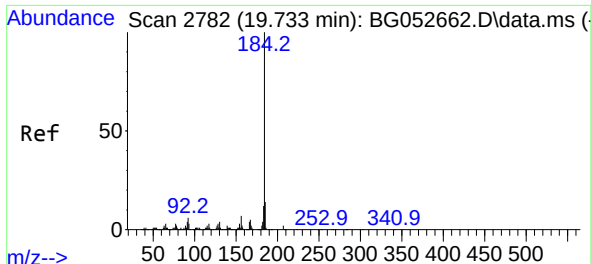


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.805 min Scan# 3135
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



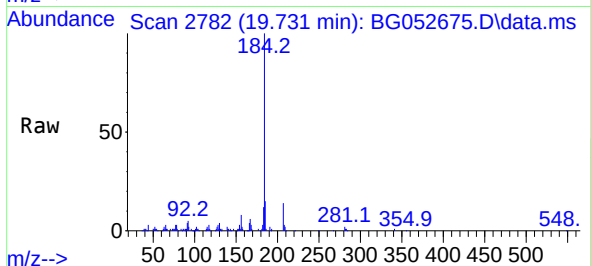
Tgt Ion:240 Resp: 275295
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.4 19.8 29.6





#77
Benzidine
Concen: 12.246 ng
RT: 19.731 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

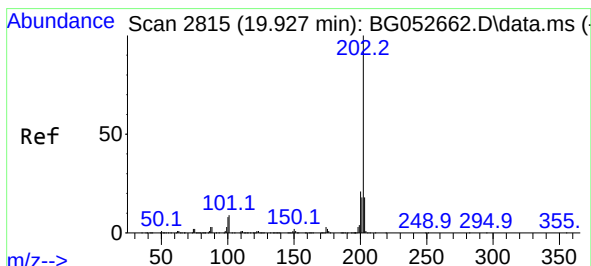
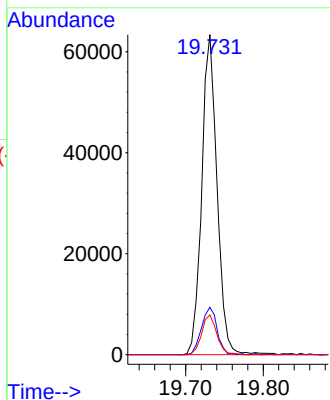
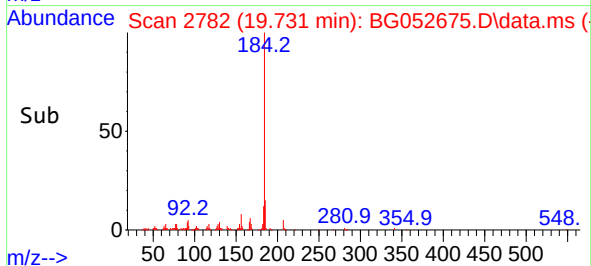
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



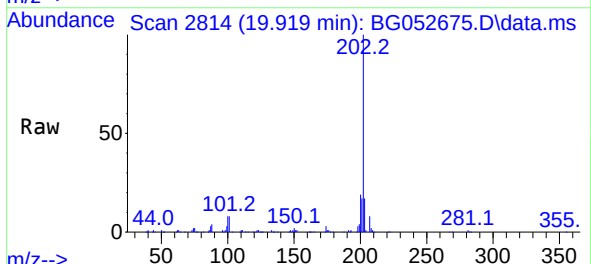
Tgt Ion:184 Resp: 8695
Ion Ratio Lower Upper
184 100
185 14.8 11.5 17.3
183 12.5 9.4 14.2

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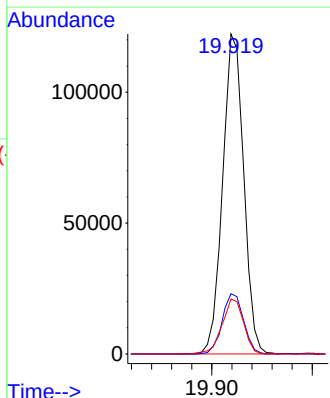
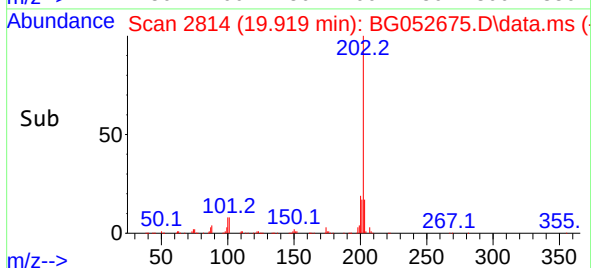
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

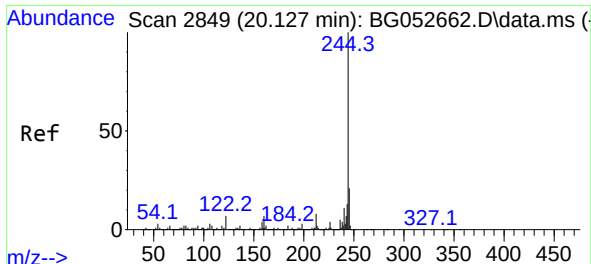


#78
Pyrene
Concen: 9.288 ng
RT: 19.919 min Scan# 2814
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



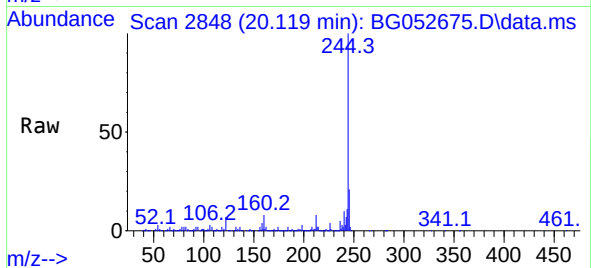
Tgt Ion:202 Resp: 177369
Ion Ratio Lower Upper
202 100
200 18.9 17.0 25.6
203 17.1 15.0 22.6





#79
 Terphenyl-d14
 Concen: 64.007 ng
 RT: 20.119 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG052675.D
 Acq: 16 Mar 2022 11:40

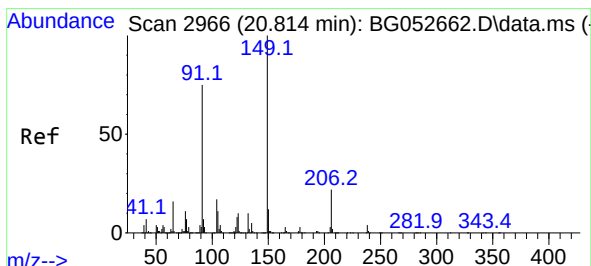
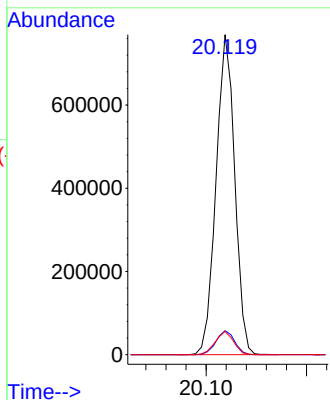
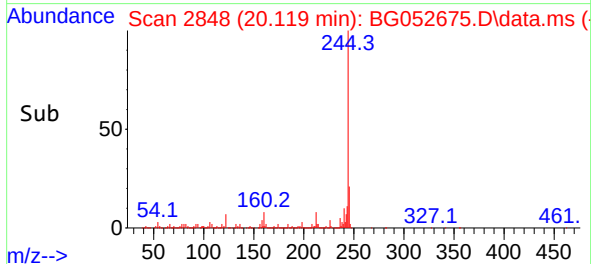
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



Tgt Ion:244 Resp: 990570
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 7.3 5.8 8.6

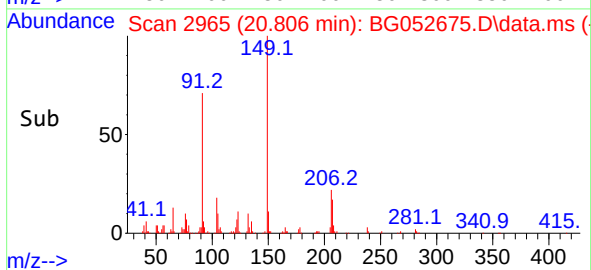
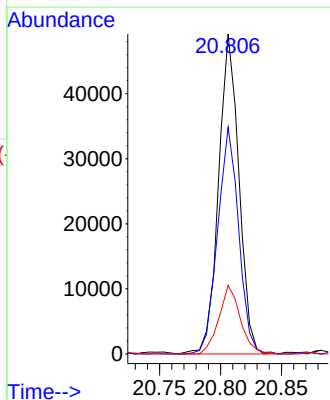
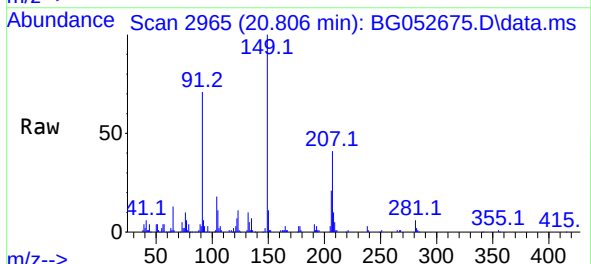
Manual Integrations
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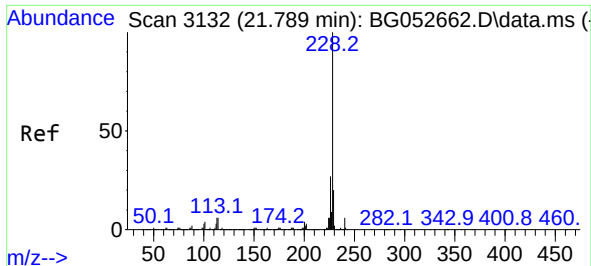
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#80
 Butylbenzylphthalate
 Concen: 8.424 ng
 RT: 20.806 min Scan# 2965
 Delta R.T. -0.008 min
 Lab File: BG052675.D
 Acq: 16 Mar 2022 11:40

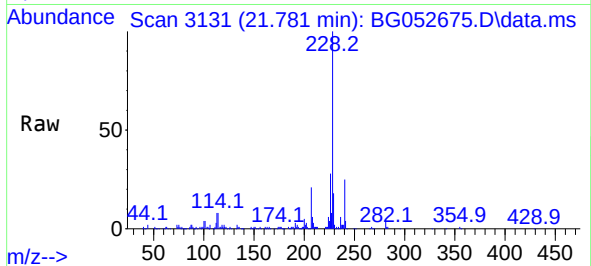
Tgt Ion:149 Resp: 57063
 Ion Ratio Lower Upper
 149 100
 91 70.9 60.2 90.4
 206 21.4 19.4 29.2





#81
Benzo(a)anthracene
Concen: 9.502 ng
RT: 21.781 min Scan# 3132
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

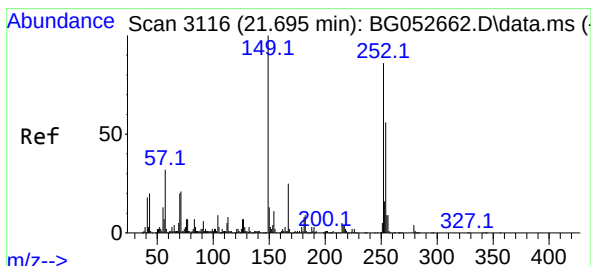
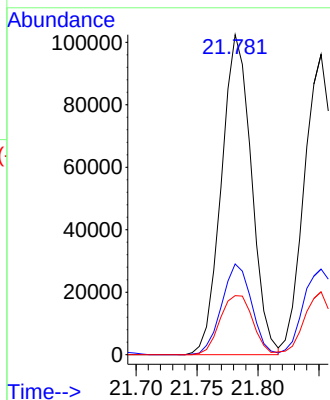
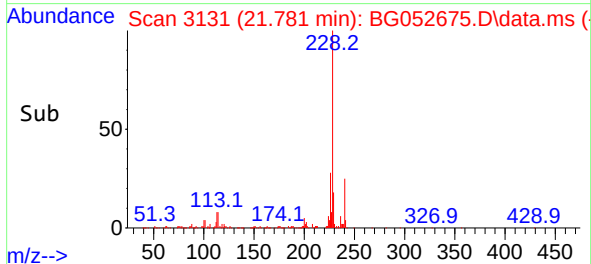
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 175150
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 18.5 16.7 25.1

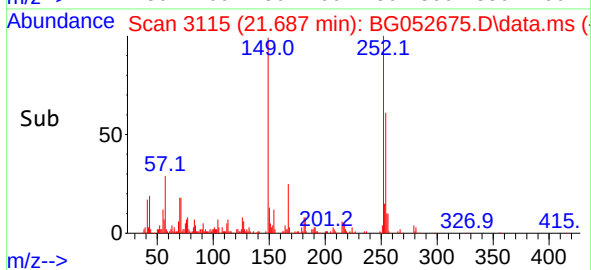
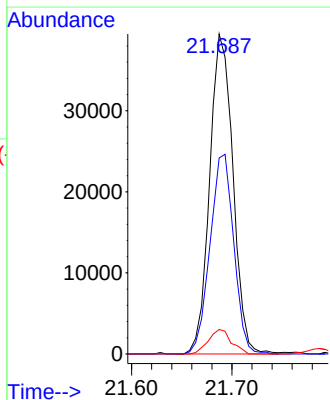
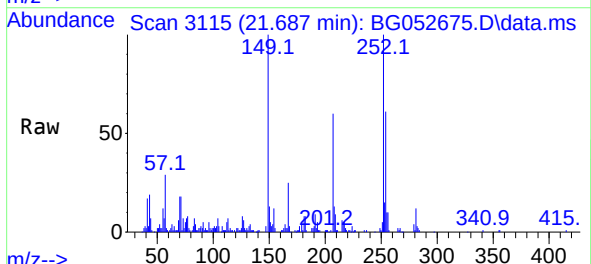
Manual Integrations
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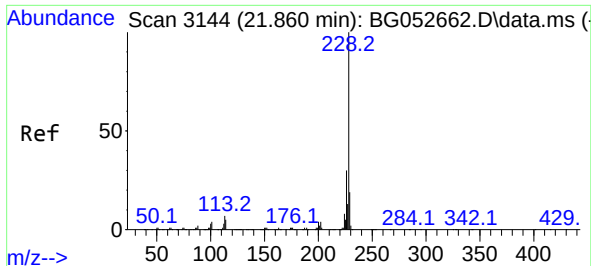
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 9.774 ng
RT: 21.687 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

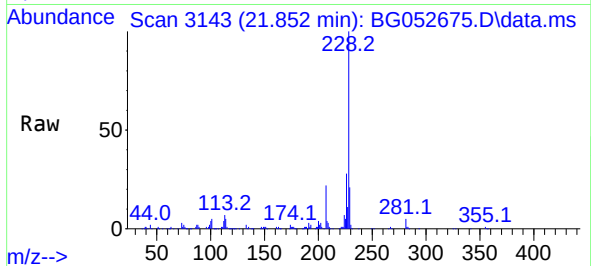
Tgt Ion:252 Resp: 63627
Ion Ratio Lower Upper
252 100
254 61.3 51.2 76.8
126 7.7 5.8 8.8





#83
Chrysene
Concen: 9.410 ng
RT: 21.852 min Scan# 3144
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

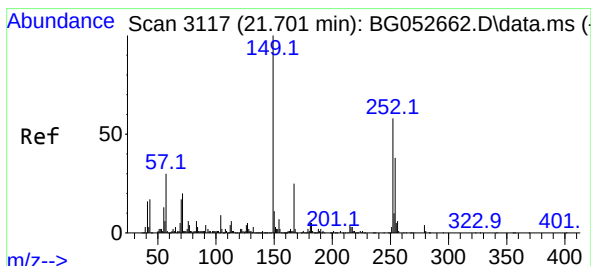
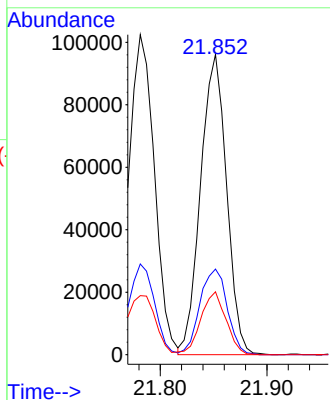
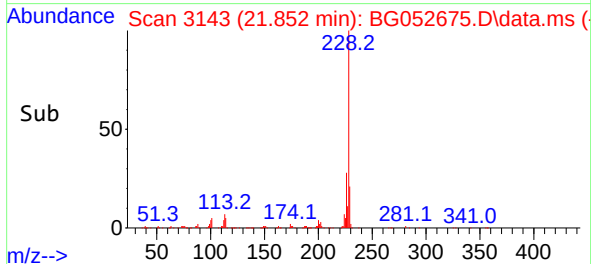
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 163080
Ion Ratio Lower Upper
228 100
226 28.5 24.2 36.4
229 20.9 16.3 24.5

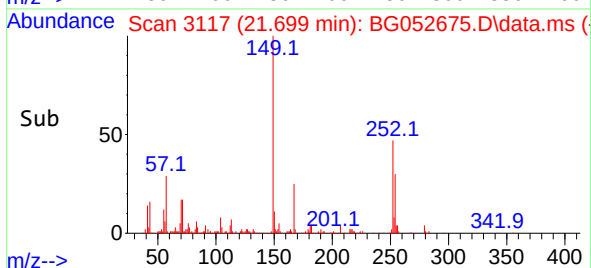
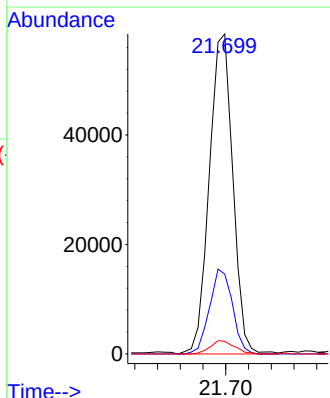
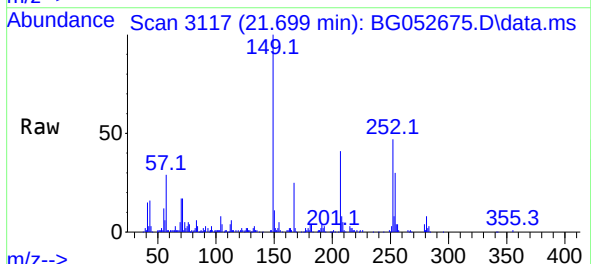
Manual Integrations
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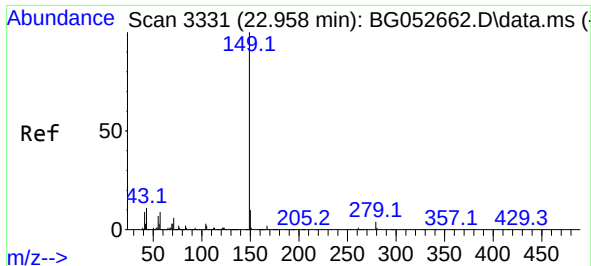
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.121 ng
RT: 21.699 min Scan# 3117
Delta R.T. -0.002 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

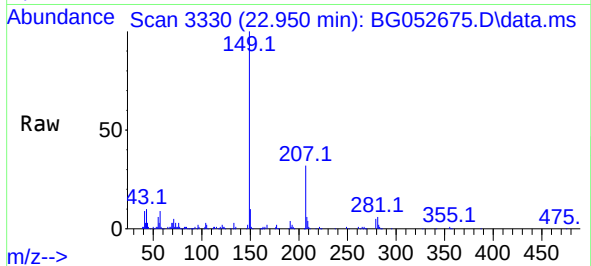
Tgt Ion:149 Resp: 84028
Ion Ratio Lower Upper
149 100
167 25.0 21.4 32.2
279 3.9 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 8.526 ng
RT: 22.950 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

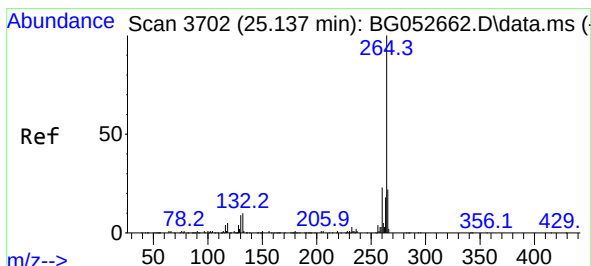
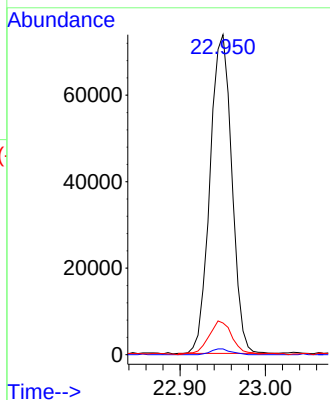
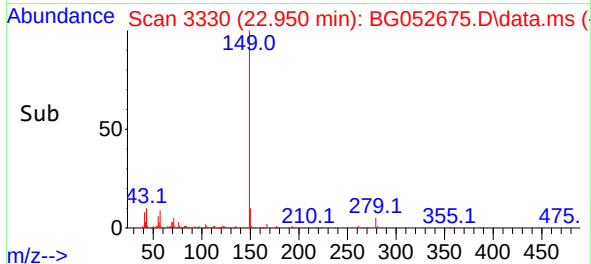
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



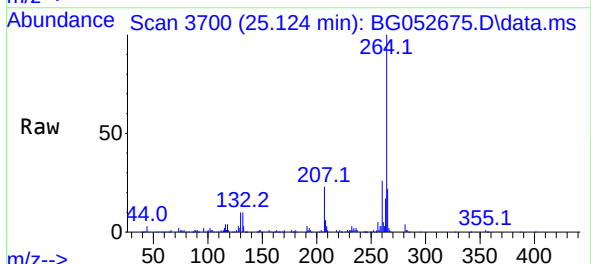
Tgt Ion:149 Resp: 130750
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.6 7.6 11.4

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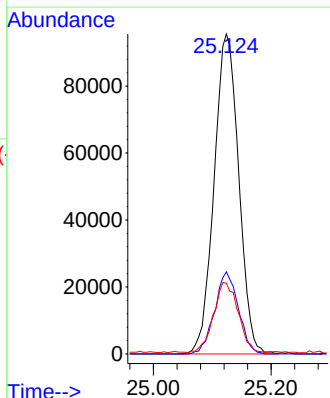
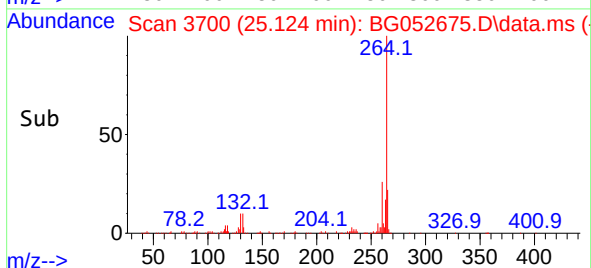
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

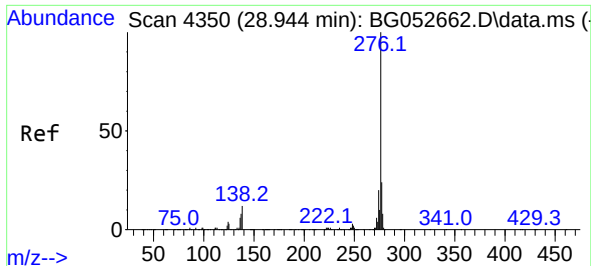


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.124 min Scan# 3700
Delta R.T. -0.014 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



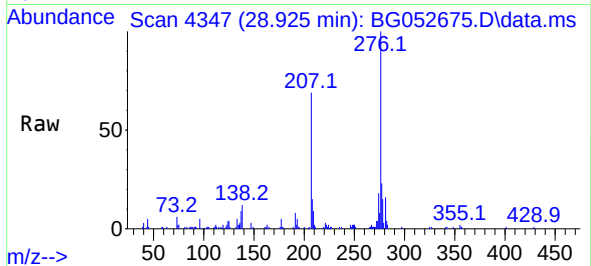
Tgt Ion:264 Resp: 277731
Ion Ratio Lower Upper
264 100
260 25.7 18.2 27.2
265 22.2 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.224 ng
RT: 28.925 min Scan# 41
Delta R.T. -0.020 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

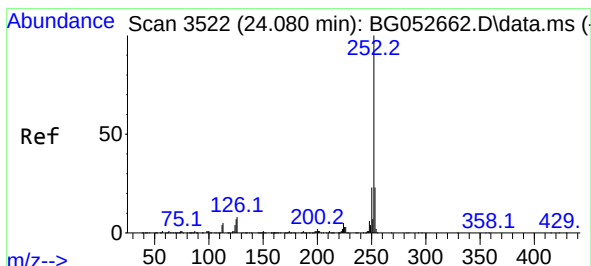
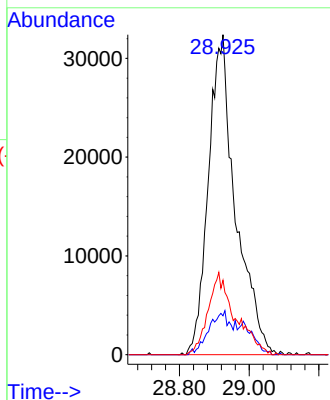
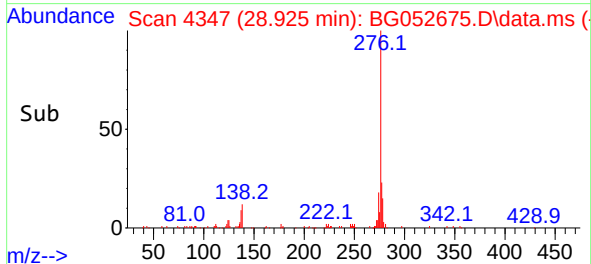
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



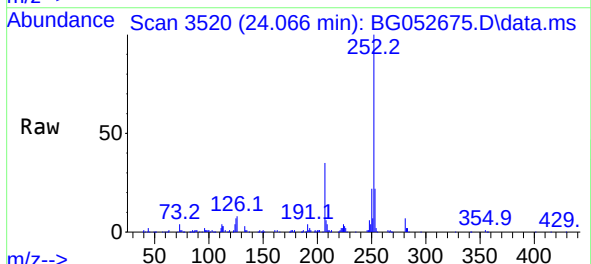
Tgt Ion:276 Resp: 175349
Ion Ratio Lower Upper
276 100
138 9.5 8.7 13.1
277 25.7 20.2 30.4

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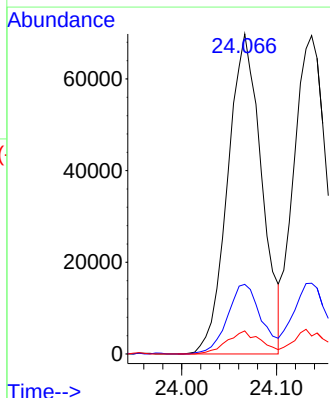
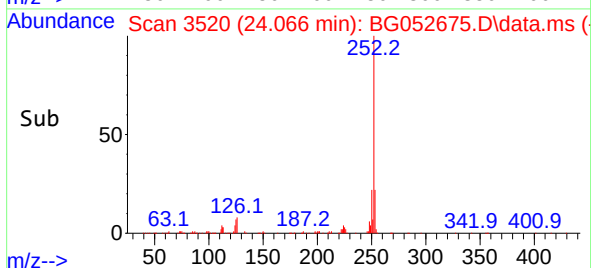
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

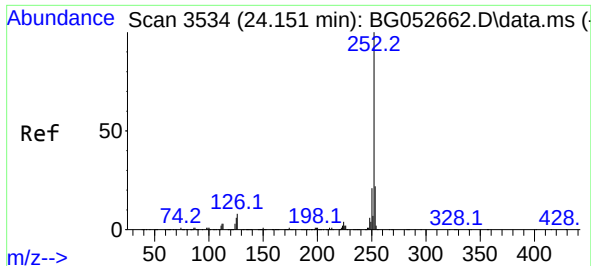


#88
Benzo(b)fluoranthene
Concen: 10.089 ng
RT: 24.066 min Scan# 3520
Delta R.T. -0.014 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40



Tgt Ion:252 Resp: 173978
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 7.2 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 9.908 ng

RT: 24.137 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG052675.D

Acq: 16 Mar 2022 11:40

Instrument :

BNA_G

ClientSampleId :

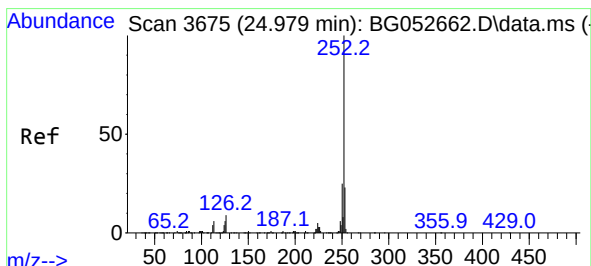
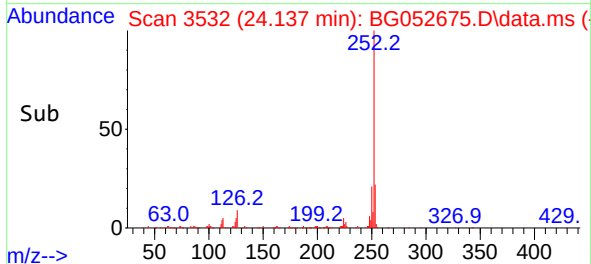
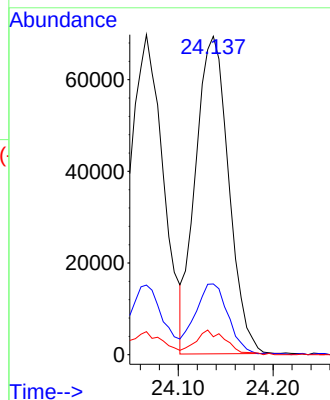
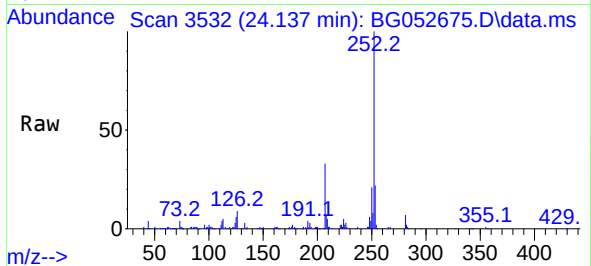
LOQ-SOIL-02-QT1-2022

Tgt Ion:252 Resp: 168098
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 5.6 5.0 7.4

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 11.257 ng

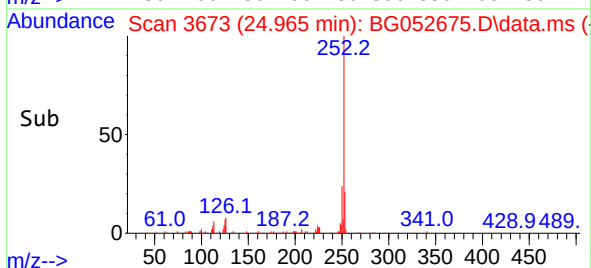
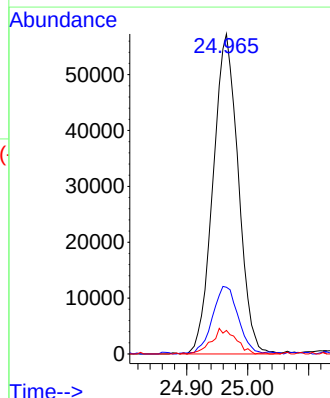
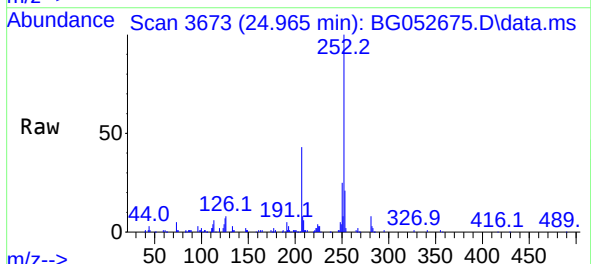
RT: 24.965 min Scan# 3673

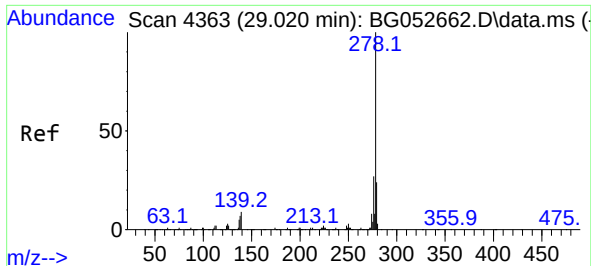
Delta R.T. -0.014 min

Lab File: BG052675.D

Acq: 16 Mar 2022 11:40

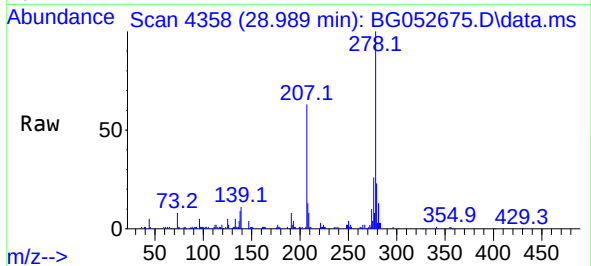
Tgt Ion:252 Resp: 164323
 Ion Ratio Lower Upper
 252 100
 253 20.8 18.4 27.6
 125 7.4 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 9.964 ng
RT: 28.989 min Scan# 41
Delta R.T. -0.031 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

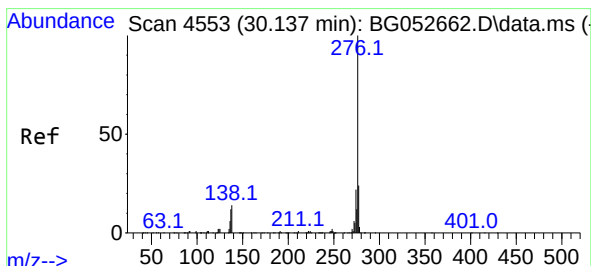
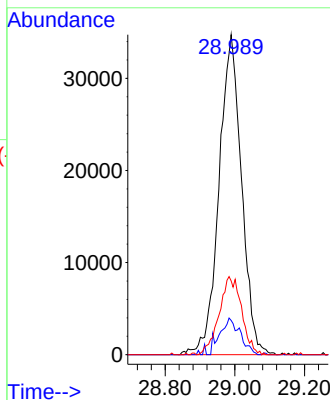
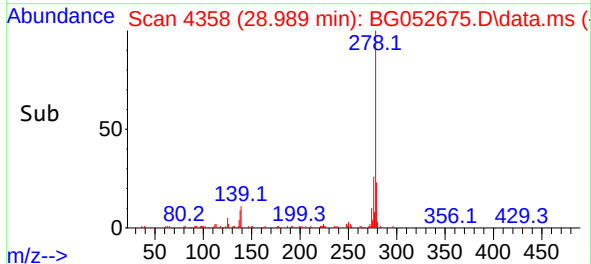
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:278 Resp: 15607
Ion Ratio Lower Upper
278 100
139 10.7 7.8 11.6
279 23.1 18.5 27.7

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



#92
Benzo(g,h,i)perylene
Concen: 9.854 ng
RT: 30.088 min Scan# 4545
Delta R.T. -0.049 min
Lab File: BG052675.D
Acq: 16 Mar 2022 11:40

Tgt Ion:276 Resp: 152729
Ion Ratio Lower Upper
276 100
277 20.7 18.2 27.2
138 15.1 9.1 13.7#

