

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052674.D
 Acq On : 16 Mar 2022 11:01
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 16 13:19:04 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

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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	39624	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	151143	20.000	ng	# 0.00
39) Acenaphthene-d10	14.776	164	109619	20.000	ng	0.00
64) Phenanthrene-d10	17.513	188	255406	20.000	ng	0.00
76) Chrysene-d12	21.801	240	289609	20.000	ng	-0.01
86) Perylene-d12	25.120	264	288811	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	219496	96.471	ng	0.00
7) Phenol-d6	7.297	99	317620	92.595	ng	0.00
23) Nitrobenzene-d5	9.312	82	216206	71.796	ng	0.00
42) 2,4,6-Tribromophenol	16.256	330	131156	89.041	ng	0.00
45) 2-Fluorobiphenyl	13.401	172	503239	67.707	ng	0.00
79) Terphenyl-d14	20.121	244	1010925	62.093	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.602	88	6979	6.132	ng	87
3) Pyridine	4.008	79	12799	4.387	ng	# 85
4) n-Nitrosodimethylamine	3.920	42	4398	3.398	ng	# 88
6) Aniline	7.468	93	18740	4.659	ng	97
8) 2-Chlorophenol	7.715	128	11173	4.673	ng	93
9) Benzaldehyde	7.286	77	12729	6.042	ng	82
10) Phenol	7.321	94	15020	4.436	ng	87
11) bis(2-Chloroethyl)ether	7.568	93	11539	4.513	ng	93
12) 1,3-Dichlorobenzene	8.043	146	12730m	4.422	ng	
13) 1,4-Dichlorobenzene	8.190	146	13182	4.558	ng	96
14) 1,2-Dichlorobenzene	8.513	146	12730	4.654	ng	98
15) Benzyl Alcohol	8.384	79	11875	4.112	ng	# 81
16) 2,2'-oxybis(1-Chloropr...	8.678	45	19022	4.272	ng	98
17) 2-Methylphenol	8.584	107	9966	4.415	ng	95
18) Hexachloroethane	9.254	117	4750	4.476	ng	90
19) n-Nitroso-di-n-propyla...	8.960	70	10933	4.500	ng	# 92
20) 3+4-Methylphenols	8.907	107	12564	3.977	ng	92
22) Acetophenone	8.972	105	19253	4.922	ng	# 93
24) Nitrobenzene	9.353	77	16019	5.316	ng	96
25) Isophorone	9.882	82	27204	4.665	ng	# 90
26) 2-Nitrophenol	10.076	139	4636	4.431	ng	# 81
27) 2,4-Dimethylphenol	10.123	122	10292	4.808	ng	# 78
28) bis(2-Chloroethoxy)met...	10.358	93	15742	4.566	ng	# 90
29) 2,4-Dichlorophenol	10.605	162	9794	4.066	ng	83
30) 1,2,4-Trichlorobenzene	10.828	180	14448	5.085	ng	# 84
31) Naphthalene	11.016	128	38092	4.874	ng	# 95
32) Benzoic acid	10.164	122	3224	2.241	ng	# 88
33) 4-Chloroaniline	11.116	127	14856	4.485	ng	96
34) Hexachlorobutadiene	11.310	225	9833	4.826	ng	94
35) Caprolactam	11.856	113	2888	4.391	ng	# 78
36) 4-Chloro-3-methylphenol	12.214	107	11136	3.981	ng	92
37) 2-Methylnaphthalene	12.614	142	27430	4.792	ng	98
38) 1-Methylnaphthalene	12.831	142	26313	4.710	ng	96
40) 1,2,4,5-Tetrachloroben...	12.978	216	16825	4.913	ng	98
41) Hexachlorocyclopentadiene	12.966	237	10840	5.340	ng	98
43) 2,4,6-Trichlorophenol	13.207	196	8459	3.857	ng	89

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 ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Mar 16 13:19:04 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.278	196	10284	4.620	ng	# 87
46) 1,1'-Biphenyl	13.607	154	36158	4.717	ng	92
47) 2-Chloronaphthalene	13.654	162	27953	4.630	ng	96
48) 2-Nitroaniline	13.842	65	6345	3.843	ng	94
49) Acenaphthylene	14.494	152	46823	4.865	ng	97
50) Dimethylphthalate	14.217	163	35687	4.380	ng	99
51) 2,6-Dinitrotoluene	14.329	165	5754	4.183	ng	93
52) Acenaphthene	14.834	154	28234	4.579	ng	98
53) 3-Nitroaniline	14.658	138	6151	3.822	ng	92
54) 2,4-Dinitrophenol	14.864	184	2576	3.436	ng	# 71
55) Dibenzofuran	15.169	168	45853	4.554	ng	99
56) 4-Nitrophenol	14.946	139	4896	3.729	ng	88
57) 2,4-Dinitrotoluene	15.110	165	7240	3.793	ng	90
58) Fluorene	15.815	166	38353	4.673	ng	# 85
59) 2,3,4,6-Tetrachlorophenol	15.387	232	8676	3.646	ng	# 98
60) Diethylphthalate	15.580	149	38160	4.437	ng	# 97
61) 4-Chlorophenyl-phenyle...	15.809	204	20574	4.546	ng	95
62) 4-Nitroaniline	15.809	138	7111	4.181	ng	94
63) Azobenzene	16.097	77	40307	4.385	ng	95
65) 4,6-Dinitro-2-methylph...	15.880	198	4311	3.786	ng	83
66) n-Nitrosodiphenylamine	16.015	169	31287	4.351	ng	95
67) 4-Bromophenyl-phenylether	16.702	248	12650	4.108	ng	93
68) Hexachlorobenzene	16.826	284	15024	4.539	ng	96
69) Atrazine	16.961	200	12273	4.629	ng	96
70) Pentachlorophenol	17.161	266	7049	3.433	ng	90
71) Phenanthrene	17.554	178	65456	4.791	ng	94
72) Anthracene	17.648	178	64001	4.738	ng	96
73) Carbazole	17.907	167	58309	4.359	ng	95
74) Di-n-butylphthalate	18.476	149	63824	4.367	ng	100
75) Fluoranthene	19.557	202	81588	4.704	ng	97
77) Benzidine	19.728	184	42081	5.634	ng	99
78) Pyrene	19.922	202	86305	4.296	ng	95
80) Butylbenzylphthalate	20.809	149	25324	3.554	ng	97
81) Benzo(a)anthracene	21.784	228	90073	4.645	ng	99
82) 3,3'-Dichlorobenzidine	21.690	252	31564	4.609	ng	96
83) Chrysene	21.848	228	81325	4.461	ng	97
84) Bis(2-ethylhexyl)phtha...	21.696	149	40814	4.211	ng	99
85) Di-n-octyl phthalate	22.947	149	60722	3.764	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.909	276	86637	4.383	ng	# 91
88) Benzo(b)fluoranthene	24.063	252	83949	4.681	ng	98
89) Benzo(k)fluoranthene	24.133	252	82419	4.671	ng	99
90) Benzo(a)pyrene	24.956	252	79026	5.206	ng	98
91) Dibenzo(a,h)anthracene	28.980	278	74846	4.595	ng	97
92) Benzo(g,h,i)perylene	30.096	276	74202	4.604	ng	# 97

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

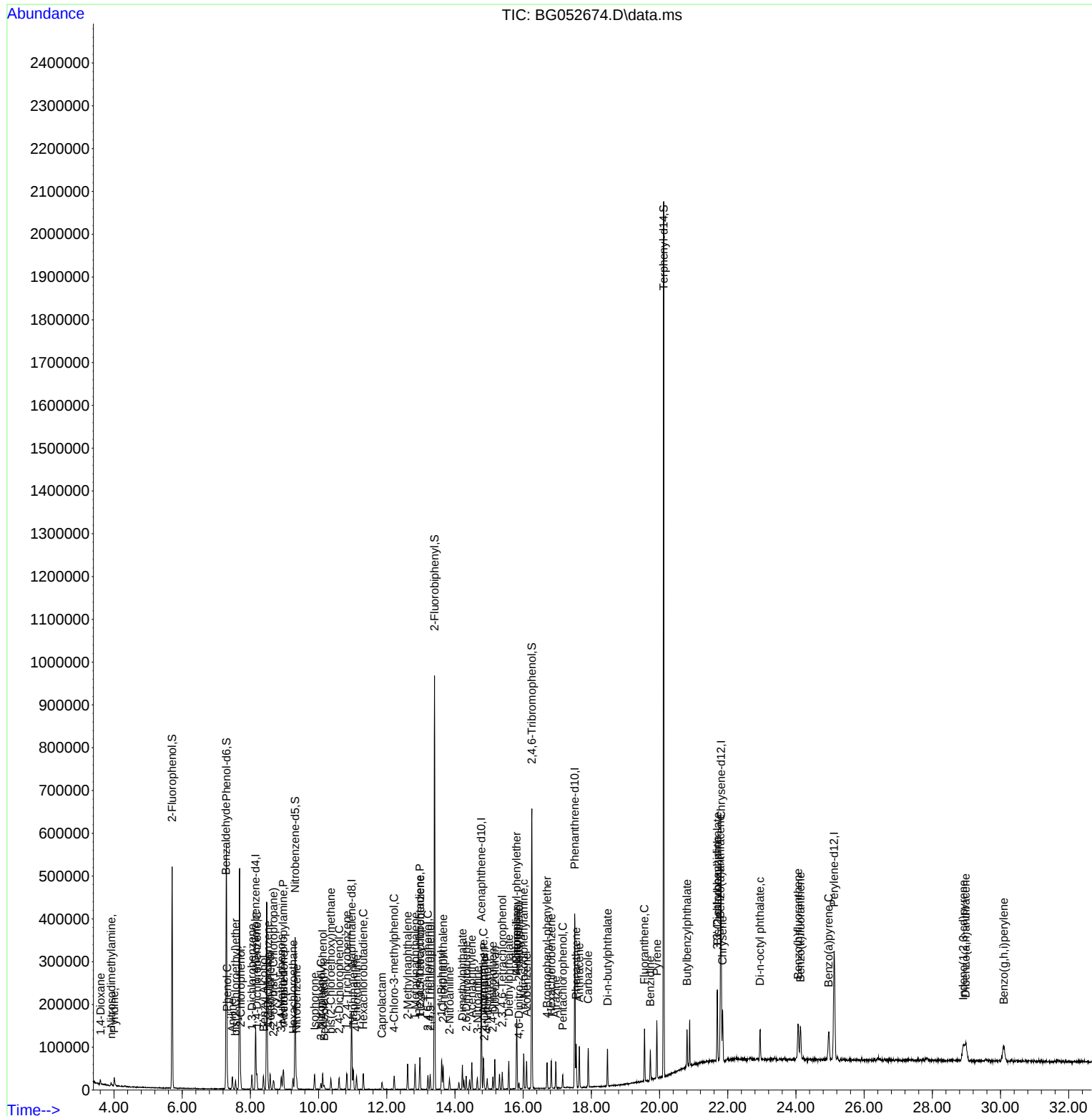
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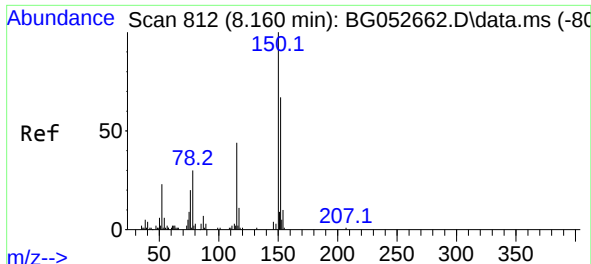
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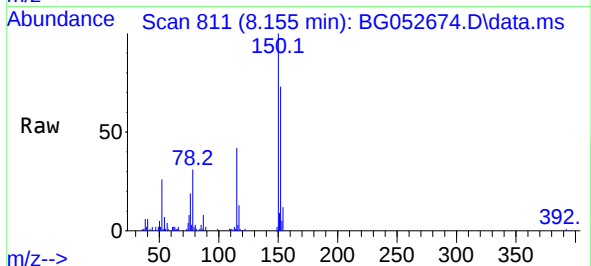
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

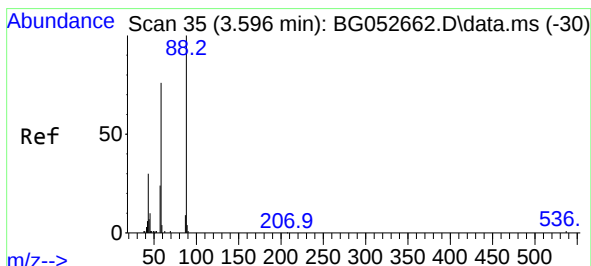
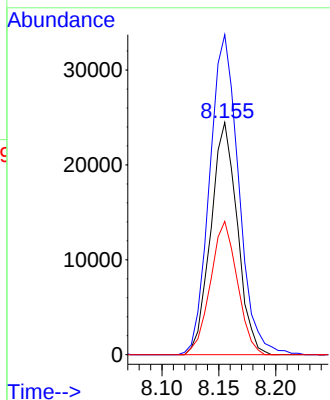
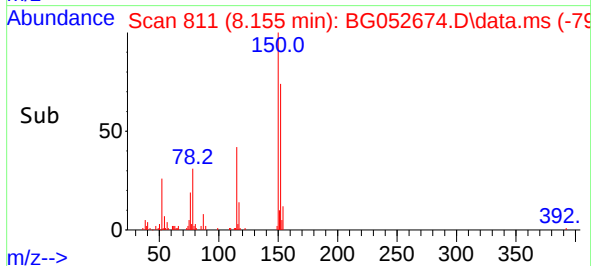
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:152 Resp: 39624
Ion Ratio Lower Upper
152 100
150 137.9 114.6 172.0
115 57.4 45.9 68.9

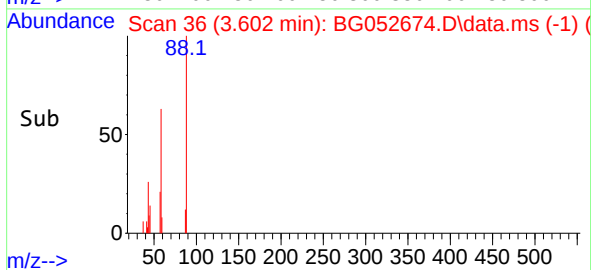
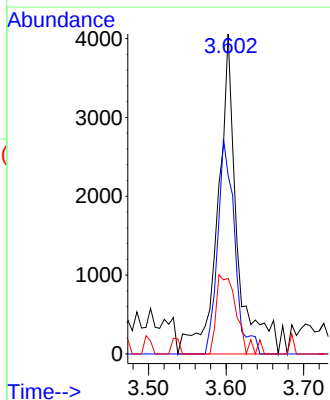
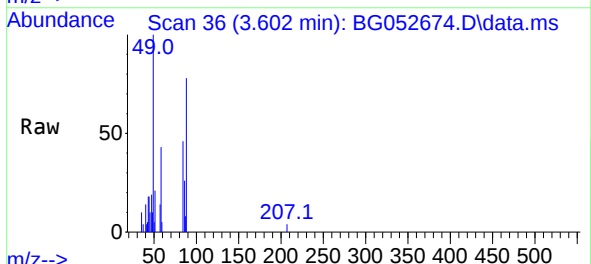
Manual Integrations
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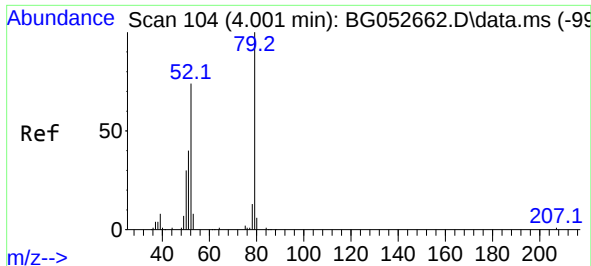
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#2
1,4-Dioxane
Concen: 6.132 ng
RT: 3.602 min Scan# 36
Delta R.T. 0.006 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

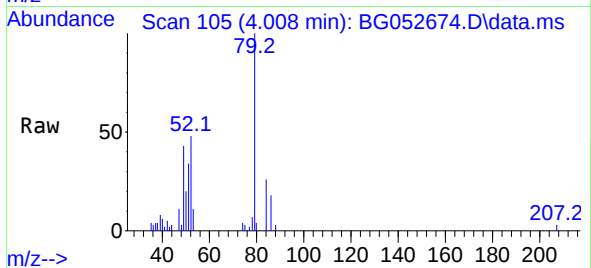
Tgt Ion: 88 Resp: 6979
Ion Ratio Lower Upper
88 100
58 59.4 58.2 87.2
43 26.2 23.4 35.0





#3
Pyridine
Concen: 4.387 ng
RT: 4.008 min Scan# 104
Delta R.T. 0.006 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

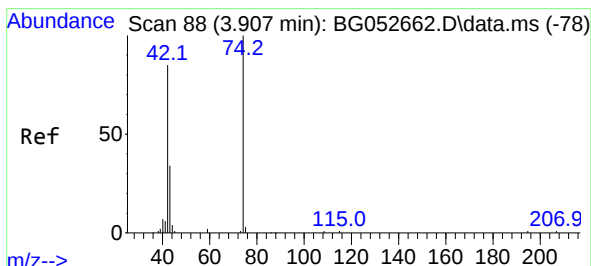
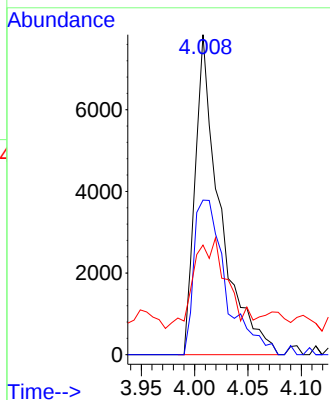
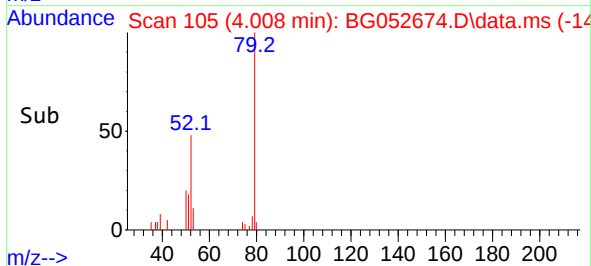
Instrument :
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ClientSampleId :
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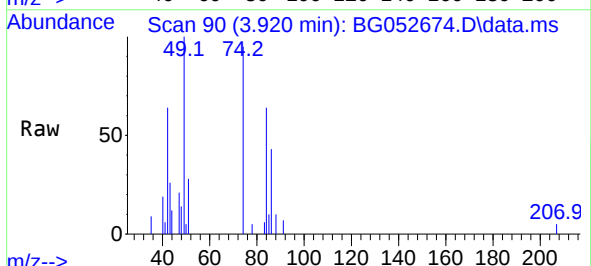
Tgt Ion: 79 Resp: 12799
Ion Ratio Lower Upper
79 100
52 48.3 50.9 76.3
51 34.2 24.4 36.6

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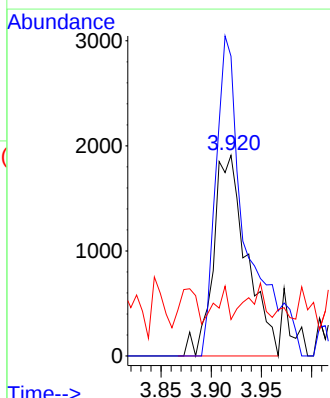
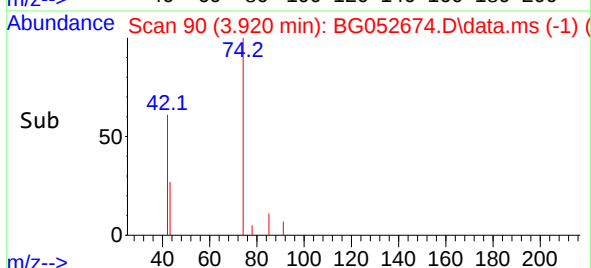
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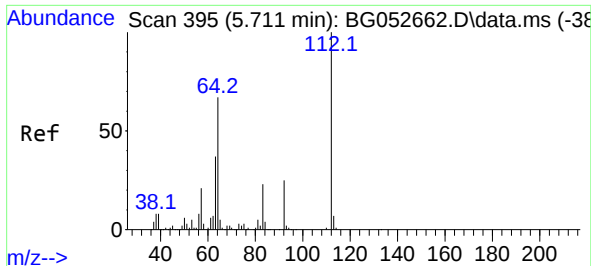


#4
n-Nitrosodimethylamine
Concen: 3.398 ng
RT: 3.920 min Scan# 90
Delta R.T. 0.012 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



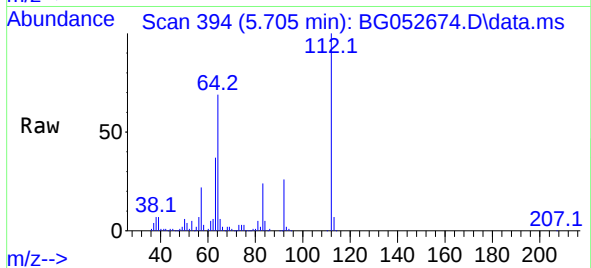
Tgt Ion: 42 Resp: 4398
Ion Ratio Lower Upper
42 100
74 149.3 108.9 163.3
44 18.2 5.7 8.5





#5
2-Fluorophenol
Concen: 96.471 ng
RT: 5.705 min Scan# 394
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

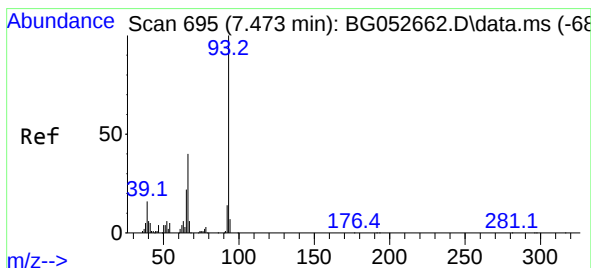
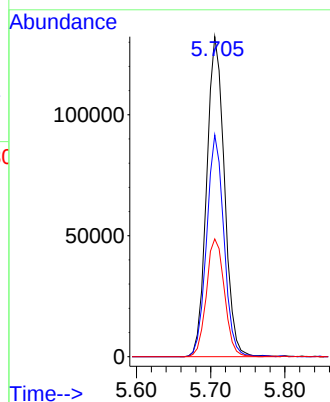
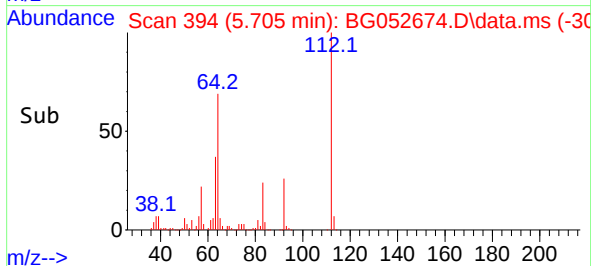
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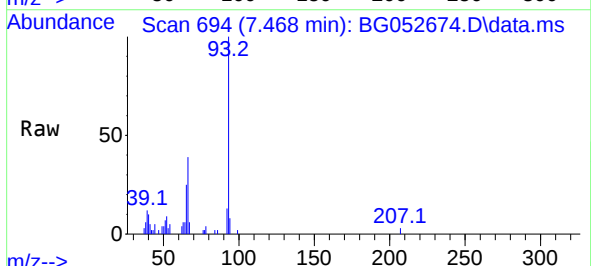
Tgt Ion:112 Resp: 219490
Ion Ratio Lower Upper
112 100
64 69.3 48.0 72.0
63 36.8 26.5 39.7

Manual Integrations
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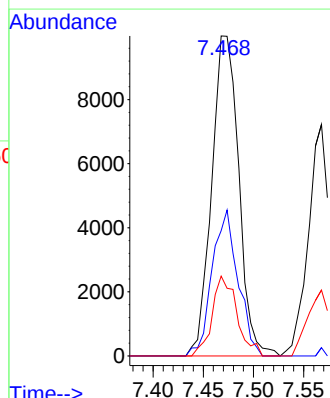
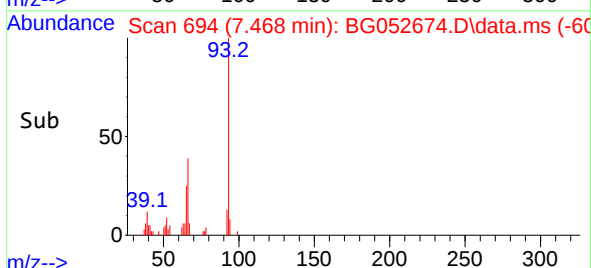
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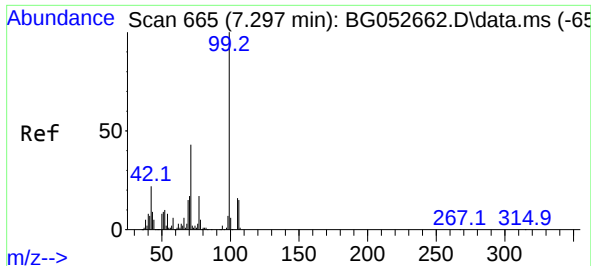


#6
Aniline
Concen: 4.659 ng
RT: 7.468 min Scan# 694
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



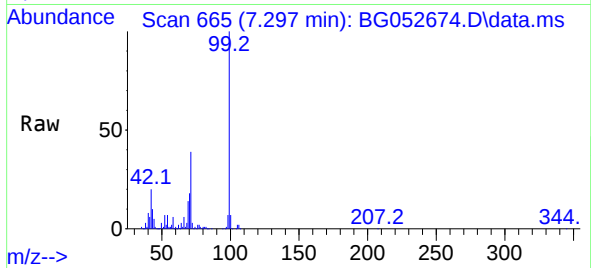
Tgt Ion: 93 Resp: 18740
Ion Ratio Lower Upper
93 100
66 39.2 31.3 46.9
65 25.0 16.7 25.1





#7
Phenol-d6
Concen: 92.595 ng
RT: 7.297 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

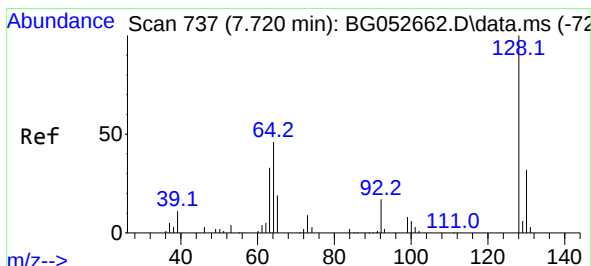
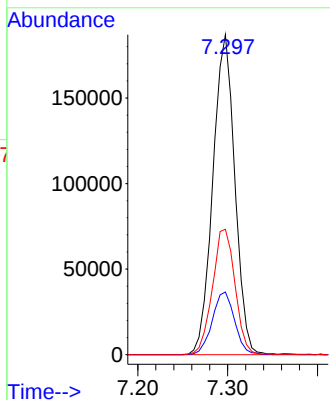
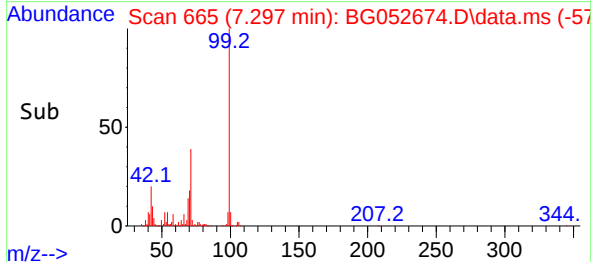
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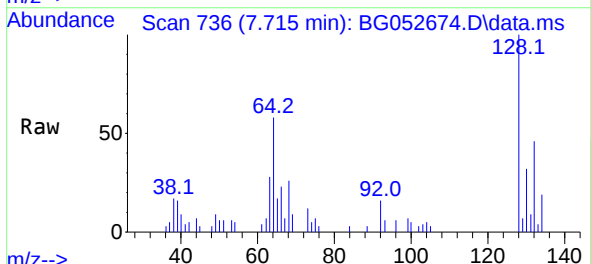
Tgt Ion: 99 Resp: 317620
Ion Ratio Lower Upper
99 100
42 19.6 14.7 22.1
71 39.2 29.2 43.8

Manual Integrations
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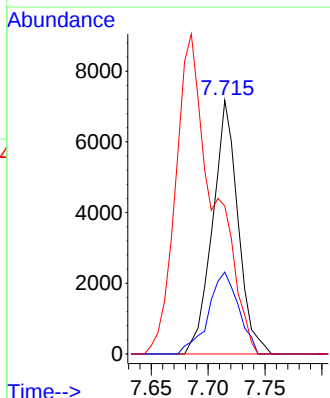
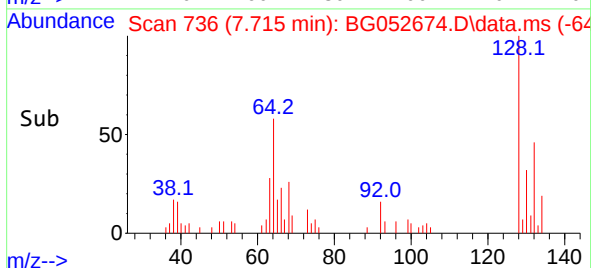
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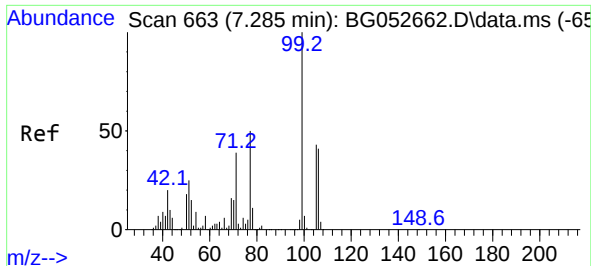


#8
2-Chlorophenol
Concen: 4.673 ng
RT: 7.715 min Scan# 736
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



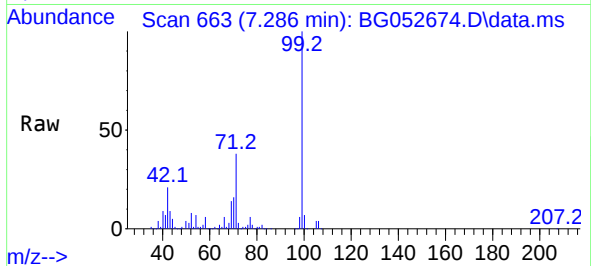
Tgt Ion:128 Resp: 11173
Ion Ratio Lower Upper
128 100
130 32.3 13.4 53.4
64 58.3 30.9 70.9





#9
Benzaldehyde
Concen: 6.042 ng
RT: 7.286 min Scan# 663
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

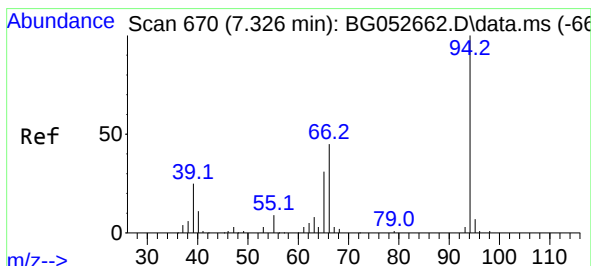
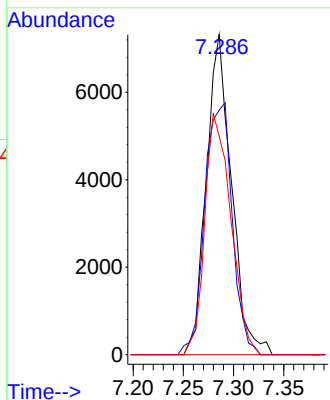
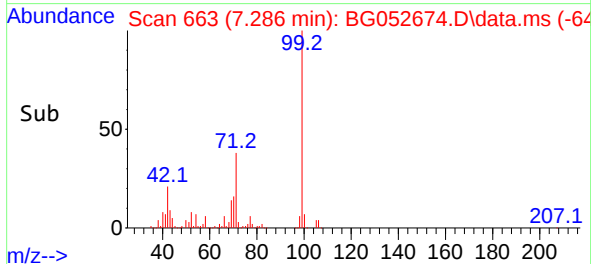
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ClientSampleId :
LOQ-SOIL-02-QT1-2022



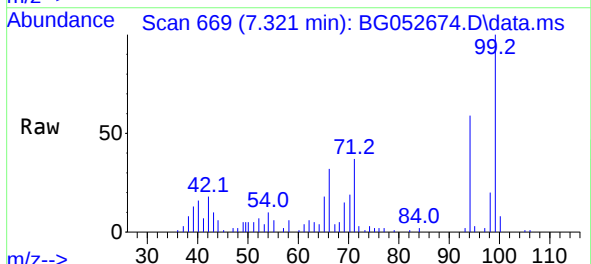
Tgt Ion: 77 Resp: 12729
Ion Ratio Lower Upper
77 100
105 76.4 70.6 110.6
106 68.3 67.6 107.6

Manual Integrations
APPROVED

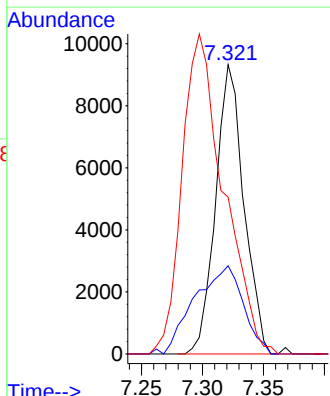
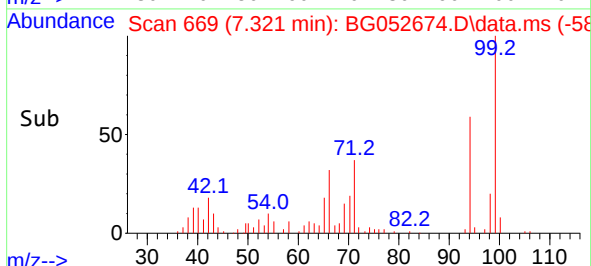
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

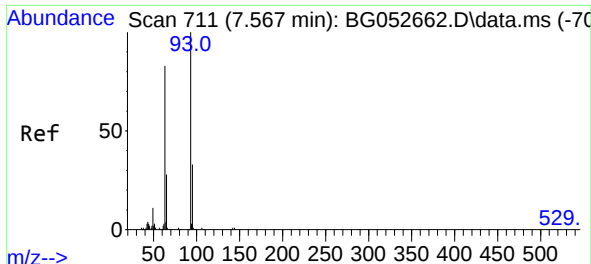


#10
Phenol
Concen: 4.436 ng
RT: 7.321 min Scan# 669
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



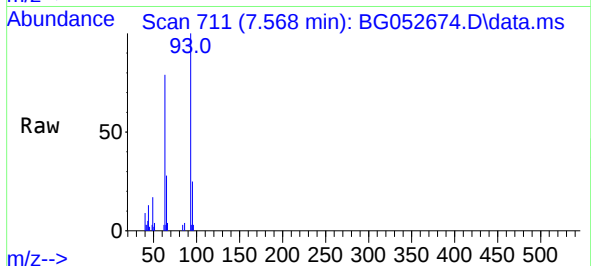
Tgt Ion: 94 Resp: 15020
Ion Ratio Lower Upper
94 100
65 30.5 11.1 51.1
66 54.2 20.0 60.0





#11
bis(2-Chloroethyl)ether
Concen: 4.513 ng
RT: 7.568 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

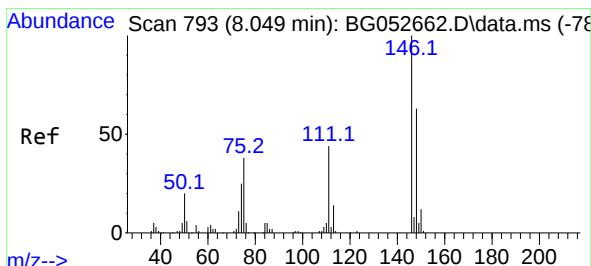
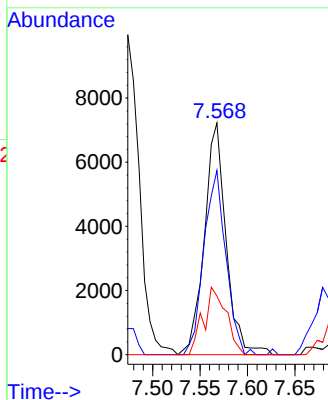
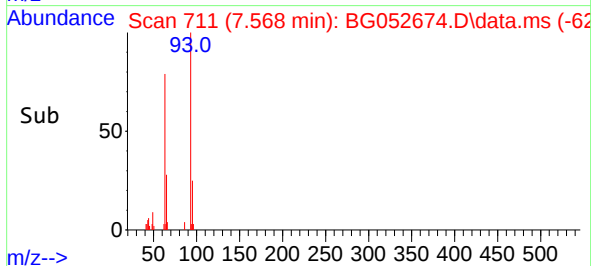
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 93 Resp: 11539
Ion Ratio Lower Upper
93 100
63 79.4 56.9 96.9
95 25.3 14.5 54.5

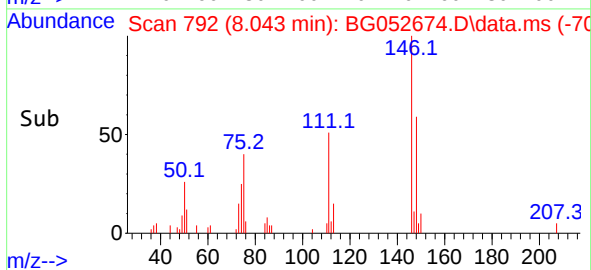
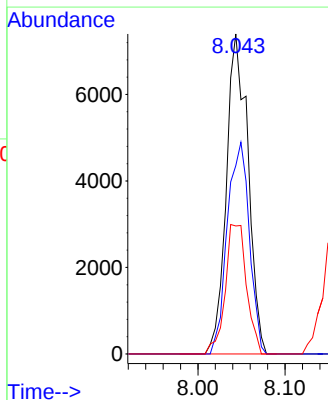
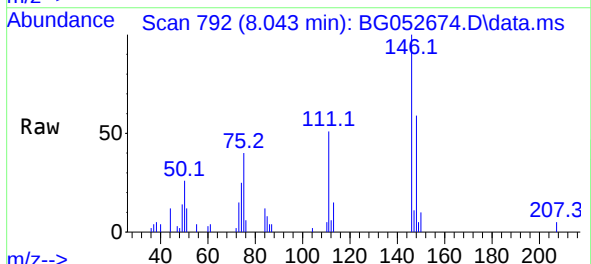
Manual Integrations
APPROVED

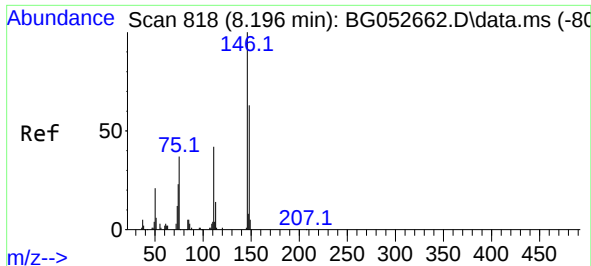
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#12
1,3-Dichlorobenzene
Concen: 4.422 ng m
RT: 8.043 min Scan# 792
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

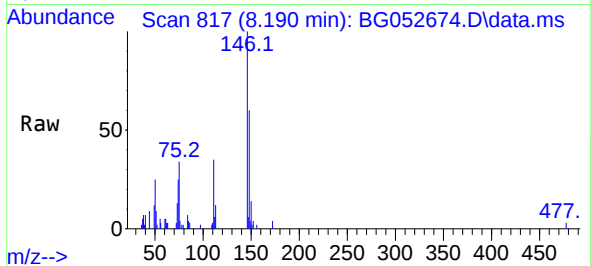
Tgt Ion:146 Resp: 12730
Ion Ratio Lower Upper
146 100
148 58.9 50.6 76.0
75 40.0 25.9 38.9#





#13
1,4-Dichlorobenzene
Concen: 4.558 ng
RT: 8.190 min Scan# 818
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

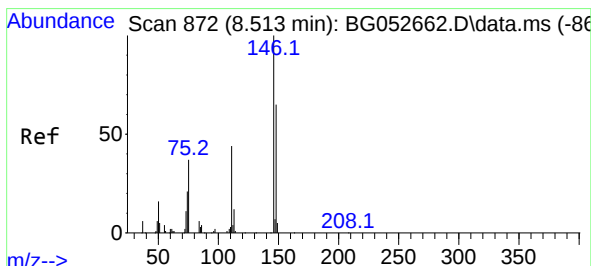
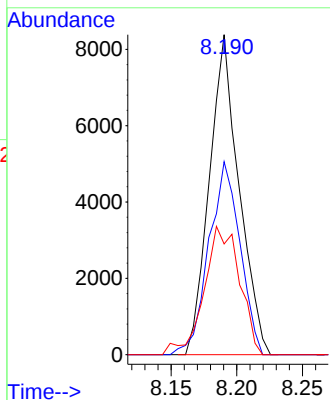
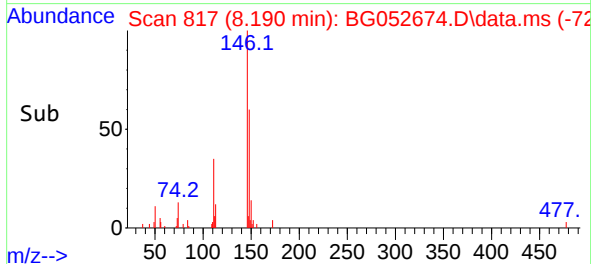
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:146 Resp: 1318
Ion Ratio Lower Upper
146 100
148 60.3 50.0 75.0
111 34.6 31.0 46.4

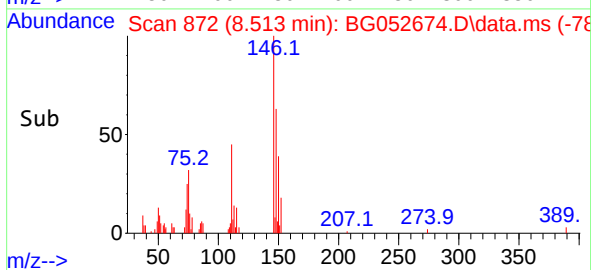
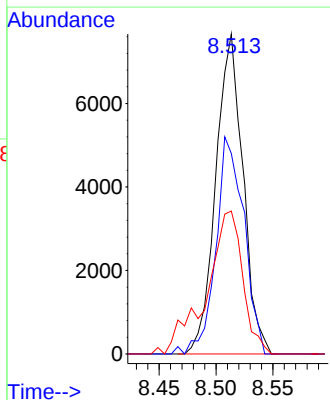
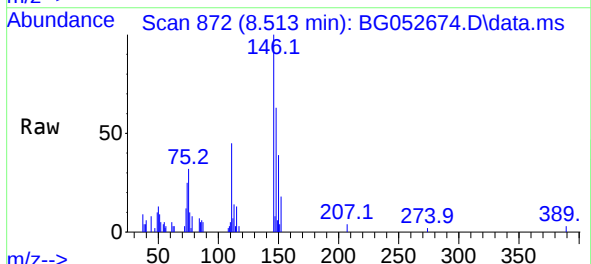
Manual Integrations
APPROVED

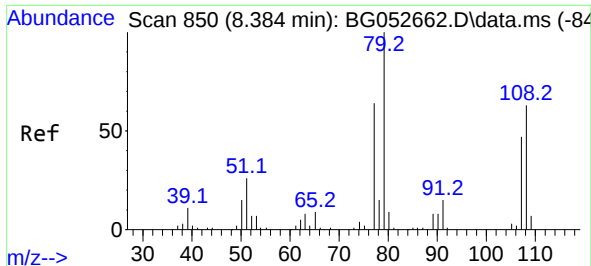
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#14
1,2-Dichlorobenzene
Concen: 4.654 ng
RT: 8.513 min Scan# 872
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:146 Resp: 12730
Ion Ratio Lower Upper
146 100
148 62.6 51.0 76.6
111 44.7 34.7 52.1





#15
Benzyl Alcohol
Concen: 4.112 ng
RT: 8.384 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

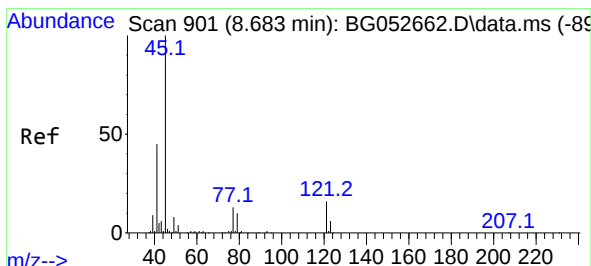
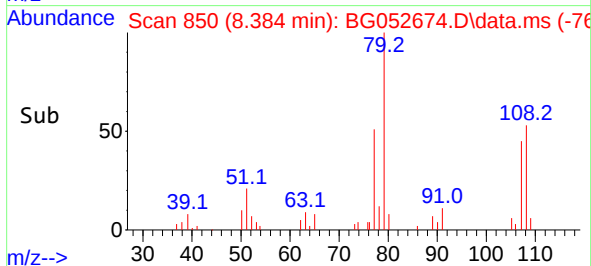
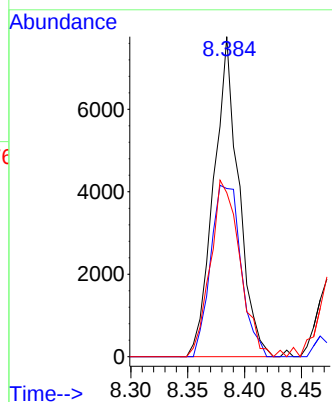
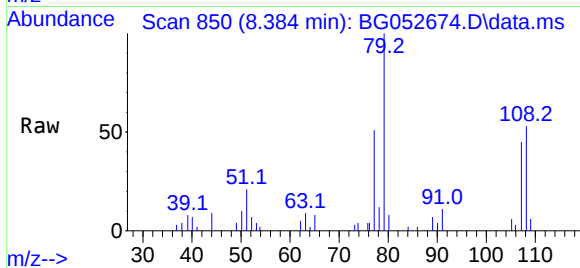
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 79 Resp: 1187

Ion	Ratio	Lower	Upper
79	100		
108	52.6	55.1	82.7
77	51.3	52.4	78.6

Manual Integrations
APPROVED

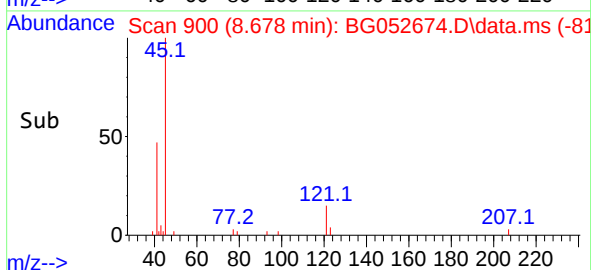
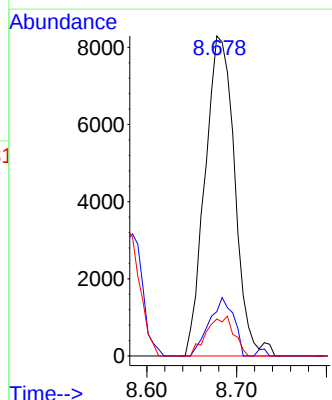
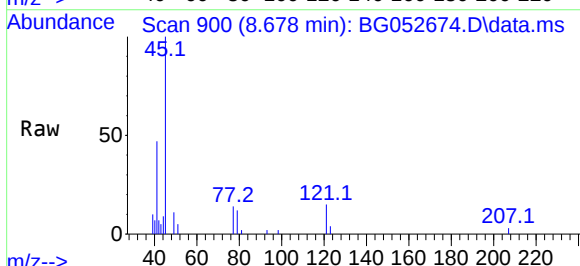
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

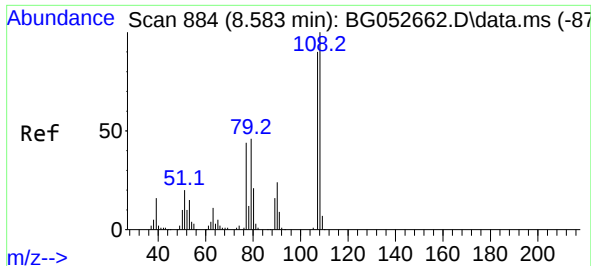


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.272 ng
RT: 8.678 min Scan# 900
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion: 45 Resp: 19022

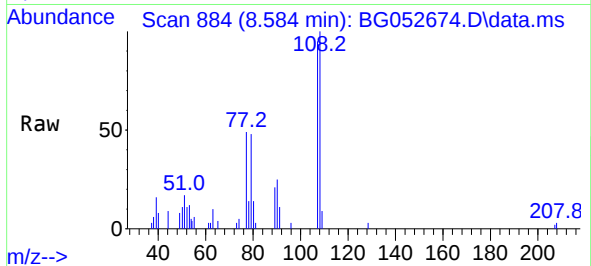
Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.9
79	11.5	0.0	30.7





#17
2-Methylphenol
Concen: 4.415 ng
RT: 8.584 min Scan# 884
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

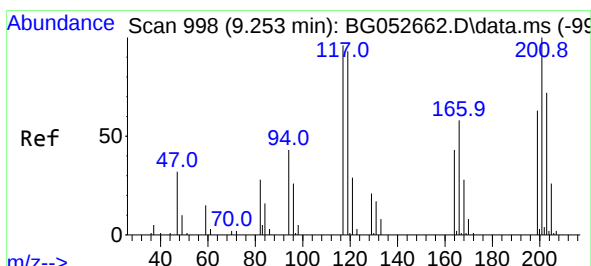
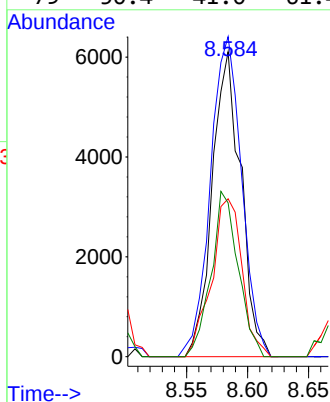
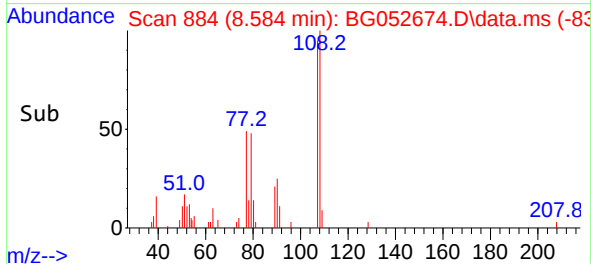
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:	107	Resp:	996
Ion	Ratio	Lower	Upper
107	100		
108	104.9	91.5	137.3
77	51.8	42.5	63.7
79	50.4	41.0	61.4

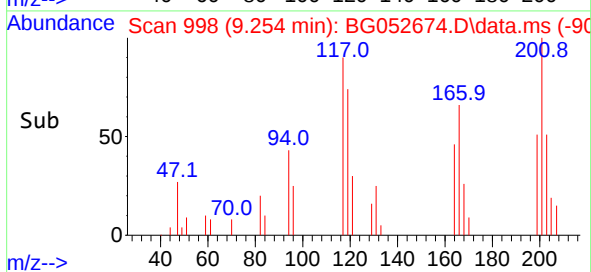
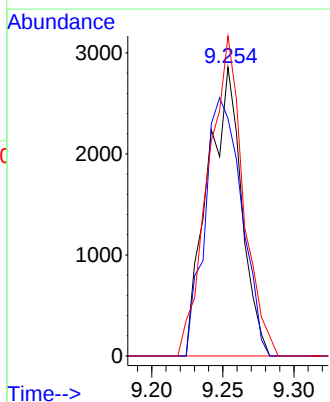
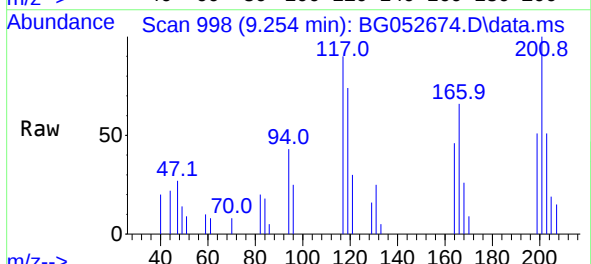
Manual Integrations
APPROVED

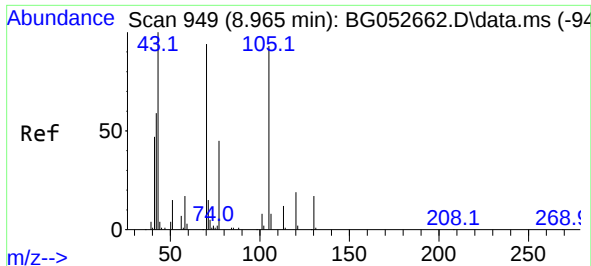
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#18
Hexachloroethane
Concen: 4.476 ng
RT: 9.254 min Scan# 998
Delta R.T. 0.000 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

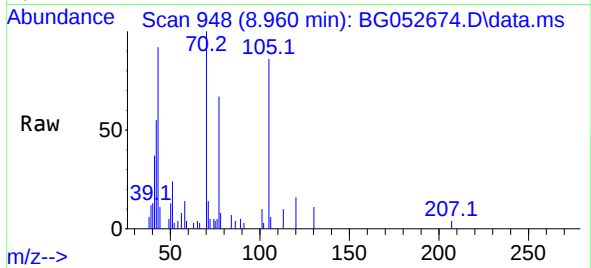
Tgt Ion:	117	Resp:	4750
Ion	Ratio	Lower	Upper
117	100		
119	82.3	75.1	112.7
201	110.9	96.6	145.0





#19
n-Nitroso-di-n-propylamine
Concen: 4.500 ng
RT: 8.960 min Scan# 949
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

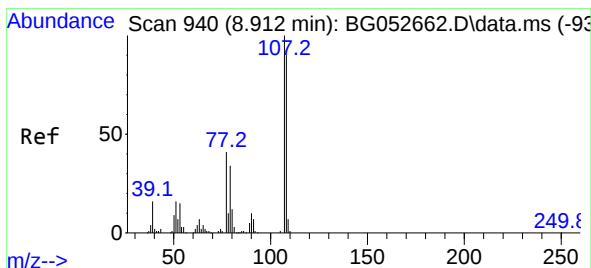
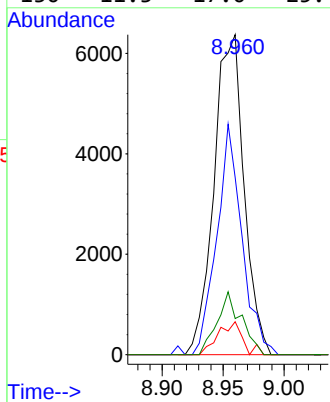
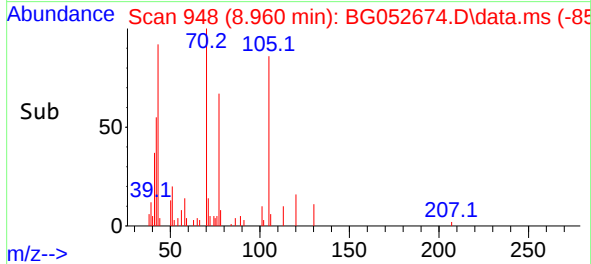
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion: 70 Resp: 1093
Ion Ratio Lower Upper
70 100
42 55.4 46.0 69.0
101 10.3 6.2 9.4
130 11.3 17.0 25.4

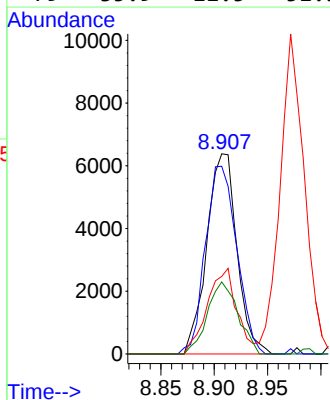
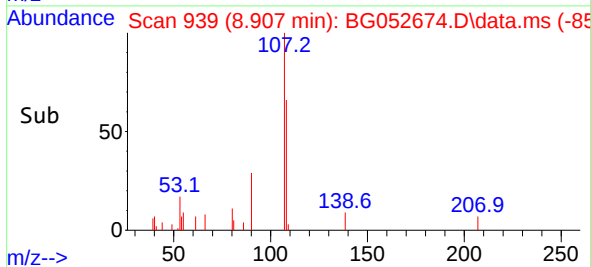
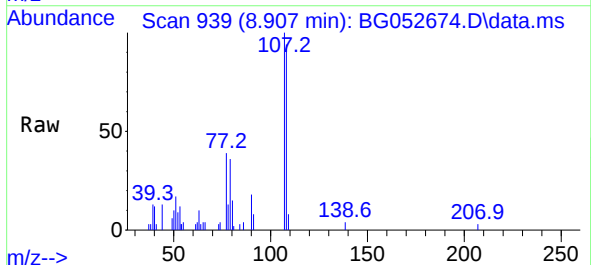
Manual Integrations
APPROVED

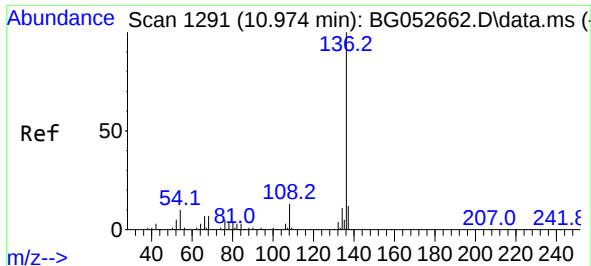
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#20
3+4-Methylphenols
Concen: 3.977 ng
RT: 8.907 min Scan# 939
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

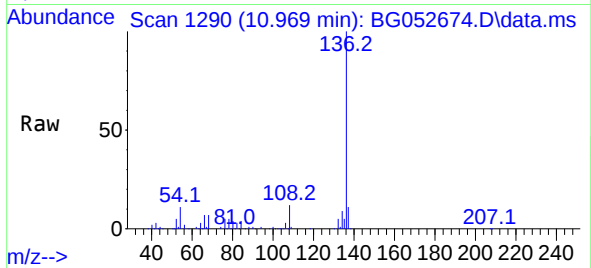
Tgt Ion:107 Resp: 12564
Ion Ratio Lower Upper
107 100
108 93.8 64.8 104.8
77 38.7 15.9 55.9
79 35.9 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

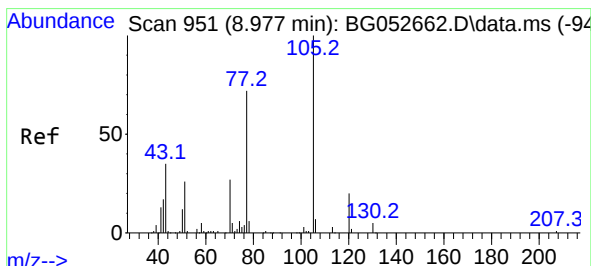
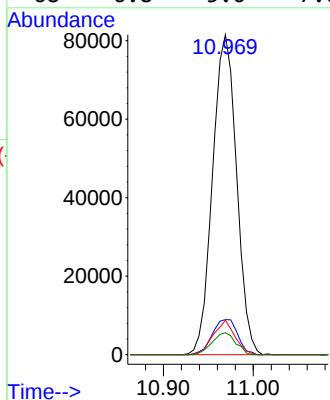
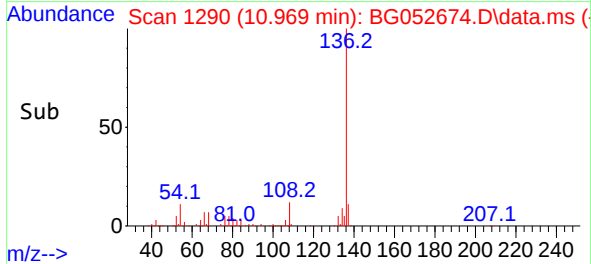
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 15114
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 10.8 6.4 9.6
68 6.8 5.0 7.6

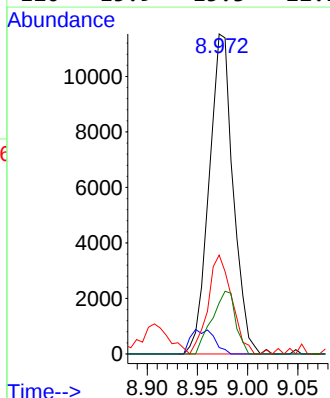
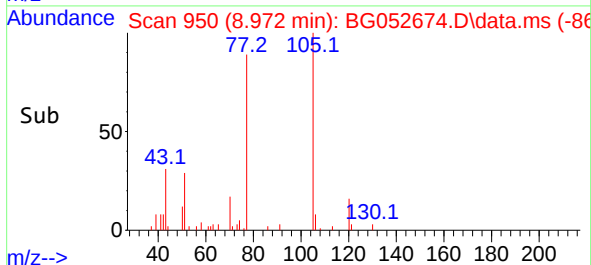
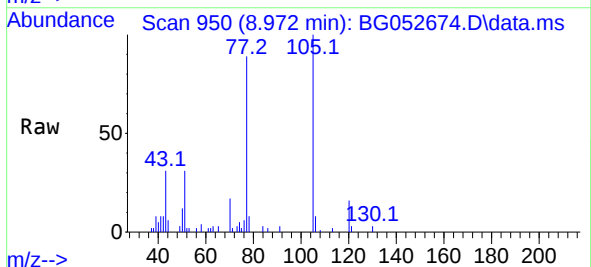
Manual Integrations
APPROVED

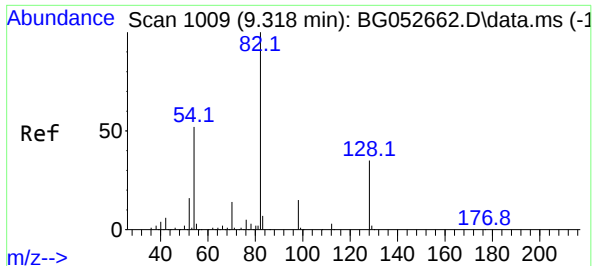
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 4.922 ng
RT: 8.972 min Scan# 950
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:105 Resp: 19253
Ion Ratio Lower Upper
105 100
71 2.0 2.1 3.1#
51 30.9 21.9 32.9
120 15.9 15.3 22.9





#23

Nitrobenzene-d5

Concen: 71.796 ng

RT: 9.312 min Scan# 1008

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 216200

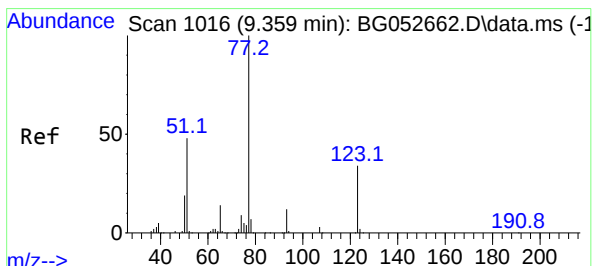
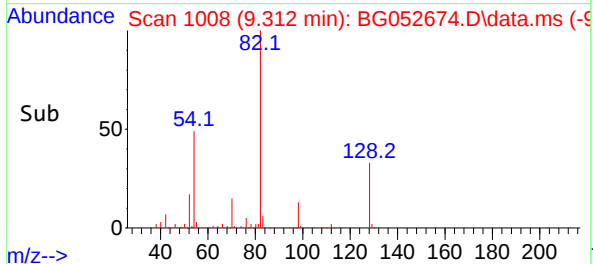
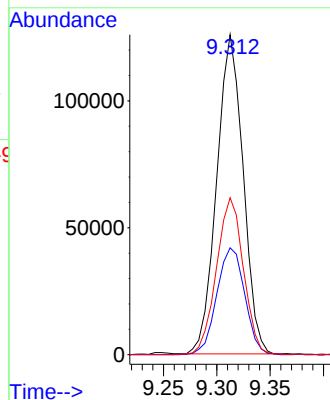
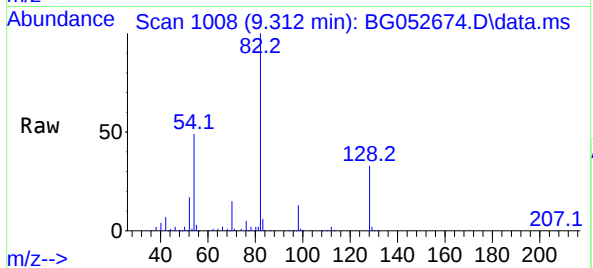
Ion	Ratio	Lower	Upper
82	100		
128	33.4	31.3	46.9
54	49.1	37.8	56.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#24

Nitrobenzene

Concen: 5.316 ng

RT: 9.353 min Scan# 1015

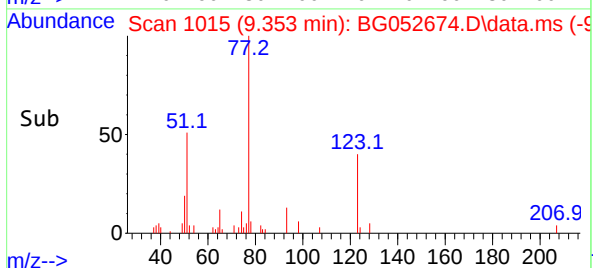
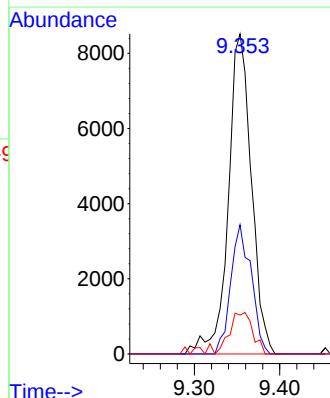
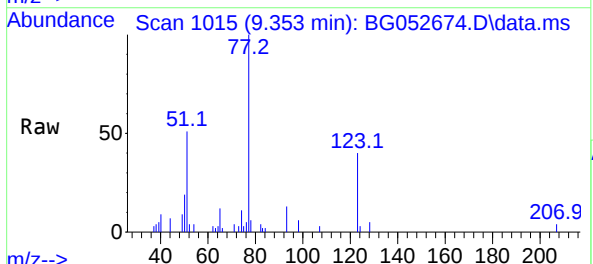
Delta R.T. -0.005 min

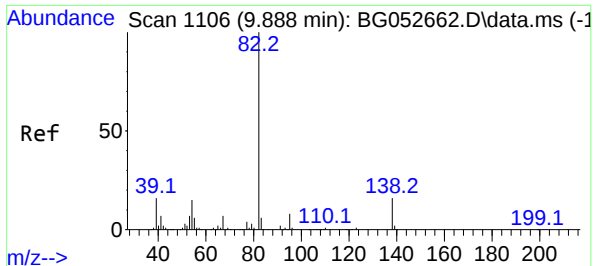
Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Tgt Ion: 77 Resp: 16019

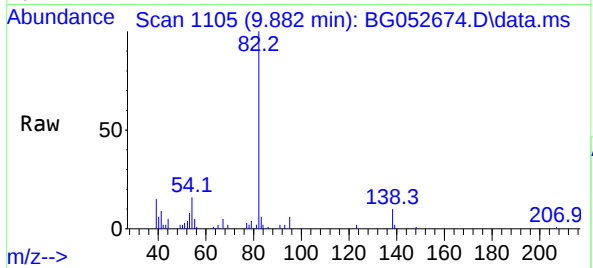
Ion	Ratio	Lower	Upper
77	100		
123	40.4	34.4	51.6
65	12.1	11.2	16.8





#25
Isophorone
Concen: 4.665 ng
RT: 9.882 min Scan# 1106
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

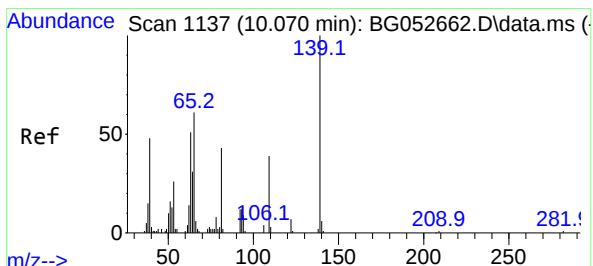
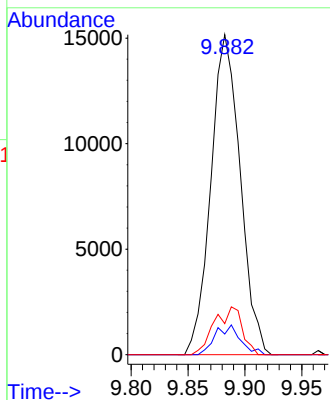
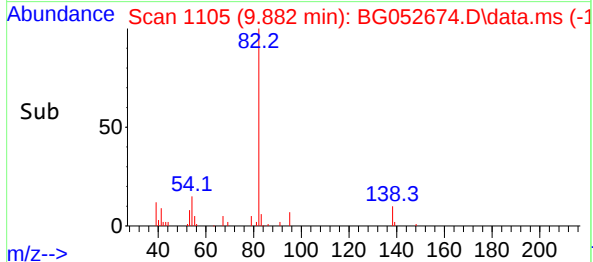
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



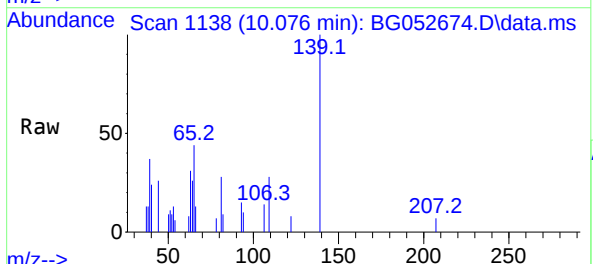
Tgt Ion: 82 Resp: 27204
Ion Ratio Lower Upper
82 100
95 6.4 5.8 8.6
138 9.7 12.6 18.8

Manual Integrations
APPROVED

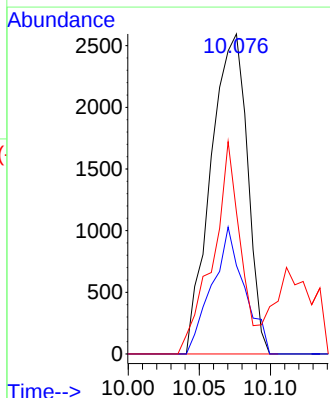
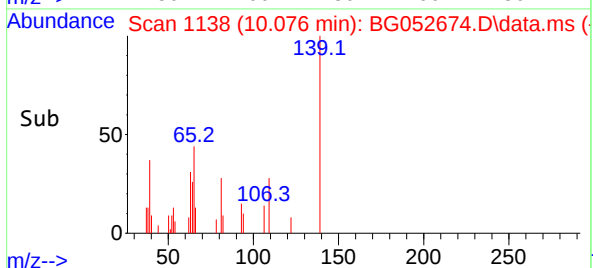
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

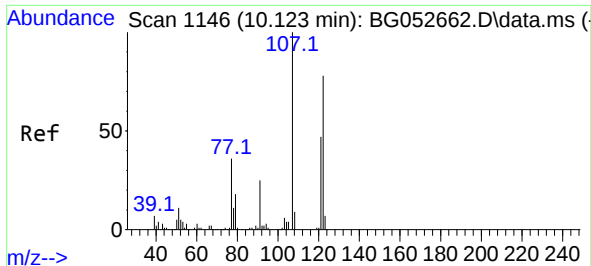


#26
2-Nitrophenol
Concen: 4.431 ng
RT: 10.076 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



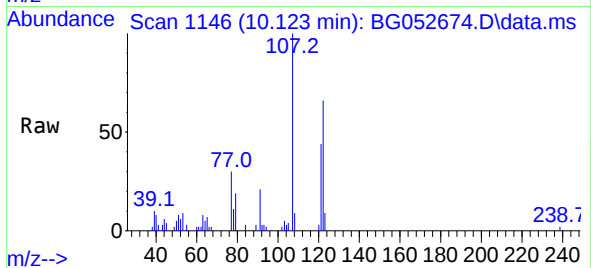
Tgt Ion:139 Resp: 4636
Ion Ratio Lower Upper
139 100
109 27.6 29.4 44.0#
65 44.4 48.2 72.2#





#27
2,4-Dimethylphenol
Concen: 4.808 ng
RT: 10.123 min Scan# 1146
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

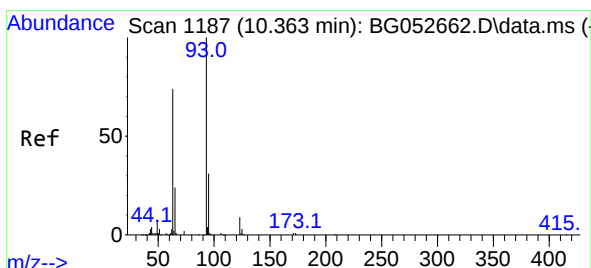
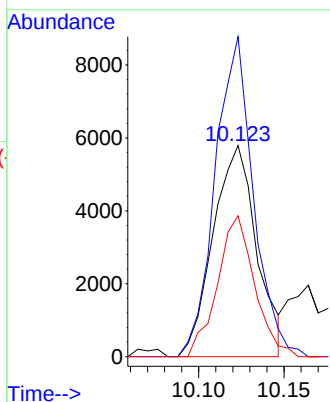
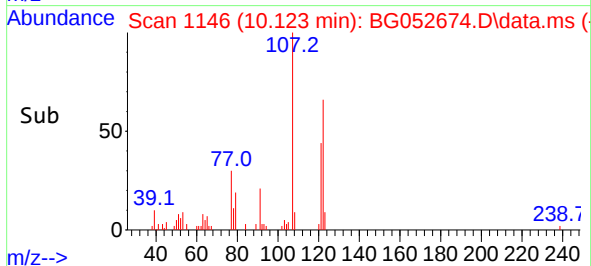
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:122 Resp: 10292
Ion Ratio Lower Upper
122 100
107 151.5 96.7 145.1
121 66.8 46.3 69.5

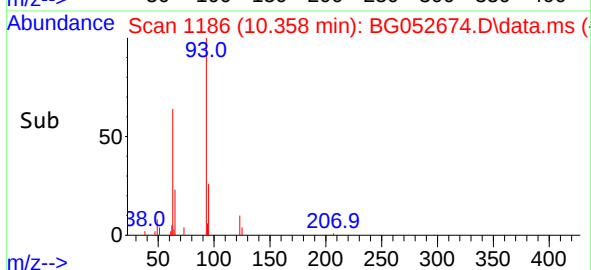
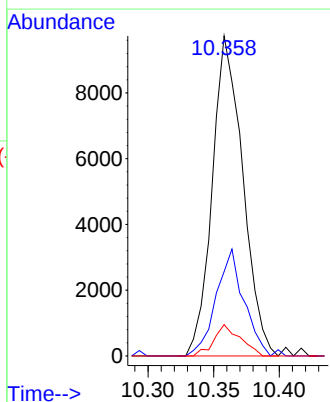
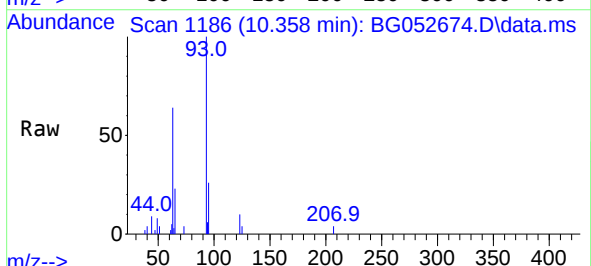
Manual Integrations
APPROVED

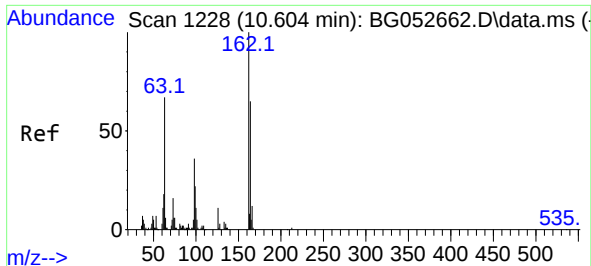
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#28
bis(2-Chloroethoxy)methane
Concen: 4.566 ng
RT: 10.358 min Scan# 1186
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

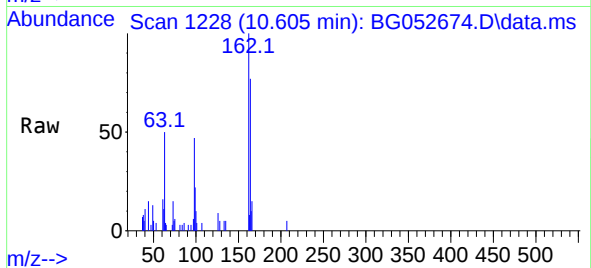
Tgt Ion: 93 Resp: 15742
Ion Ratio Lower Upper
93 100
95 26.3 26.5 39.7#
123 9.8 8.6 12.8





#29
2,4-Dichlorophenol
Concen: 4.066 ng
RT: 10.605 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

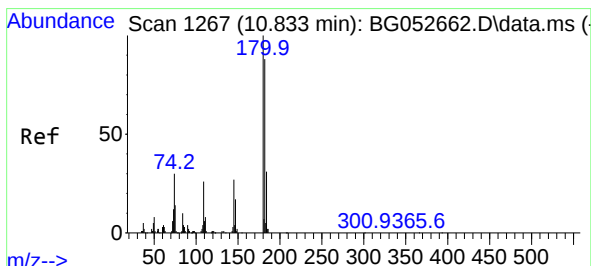
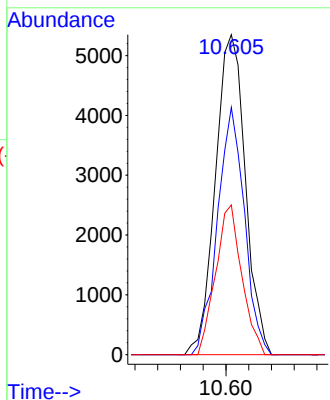
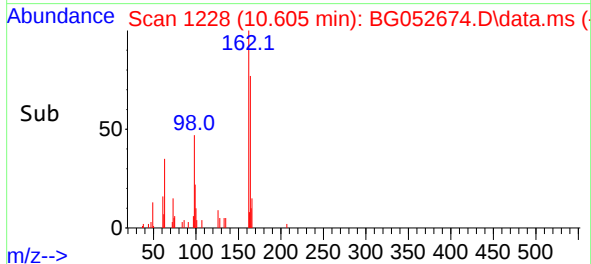
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:162 Resp: 9794
Ion Ratio Lower Upper
162 100
164 77.2 44.0 84.0
98 46.8 17.3 57.3

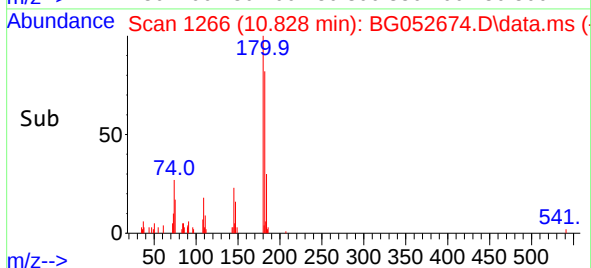
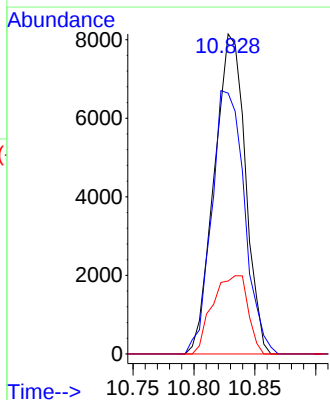
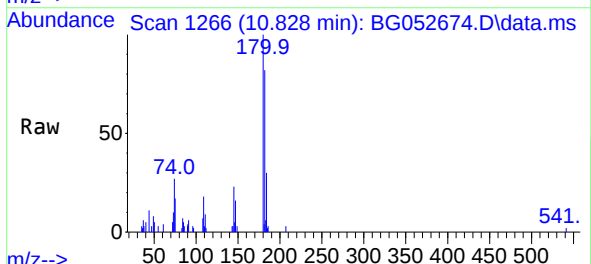
Manual Integrations
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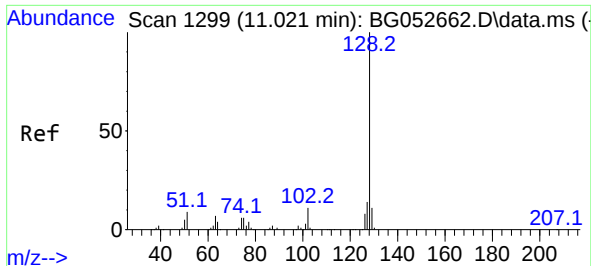
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#30
1,2,4-Trichlorobenzene
Concen: 5.085 ng
RT: 10.828 min Scan# 1266
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:180 Resp: 14448
Ion Ratio Lower Upper
180 100
182 81.5 77.8 116.6
145 22.8 24.4 36.6#





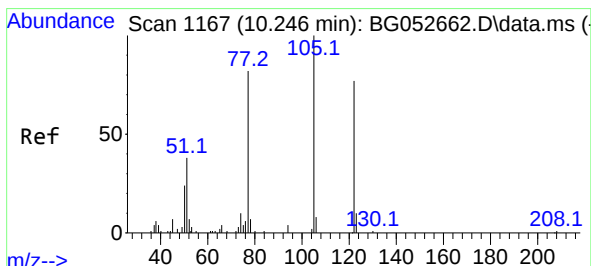
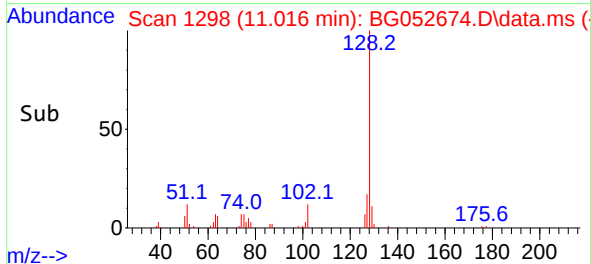
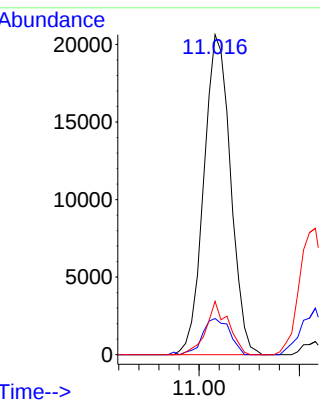
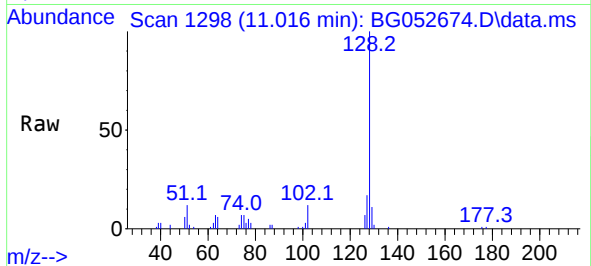
#31
Naphthalene
Concen: 4.874 ng
RT: 11.016 min Scan# 1153
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

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

Tgt Ion:128 Resp: 3809
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 16.7 10.5 15.7

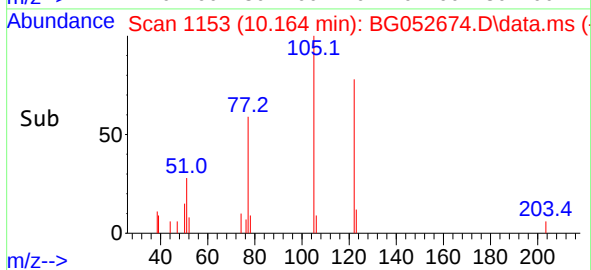
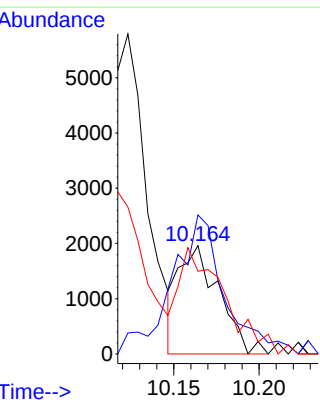
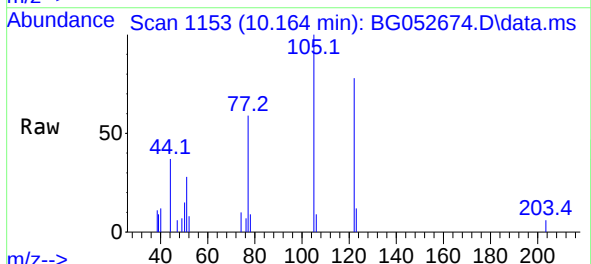
Manual Integrations
APPROVED

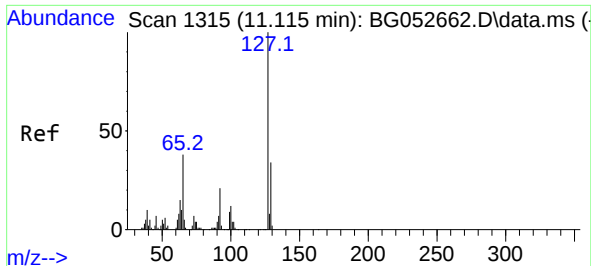
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 2.241 ng
RT: 10.164 min Scan# 1153
Delta R.T. -0.082 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

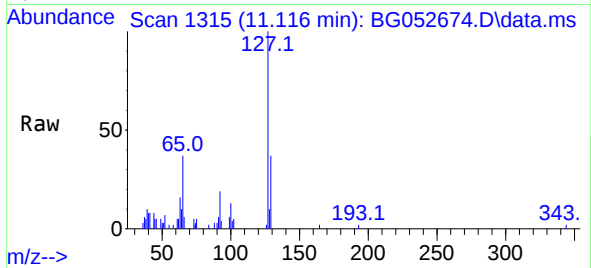
Tgt Ion:122 Resp: 3224
Ion Ratio Lower Upper
122 100
105 128.3 112.8 152.8
77 76.4 78.4 118.4#





#33
4-Chloroaniline
Concen: 4.485 ng
RT: 11.116 min Scan# 1115
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

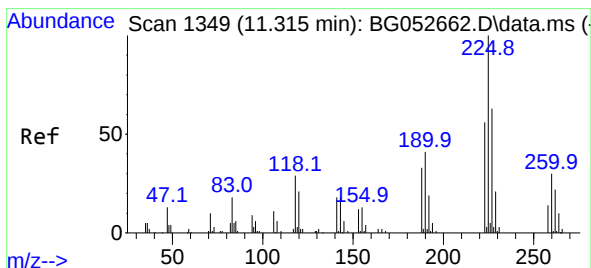
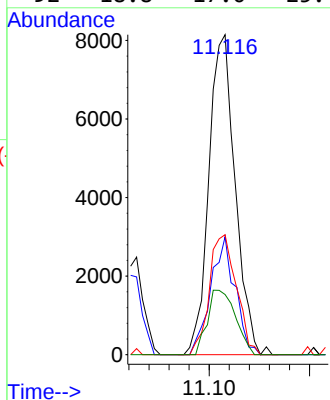
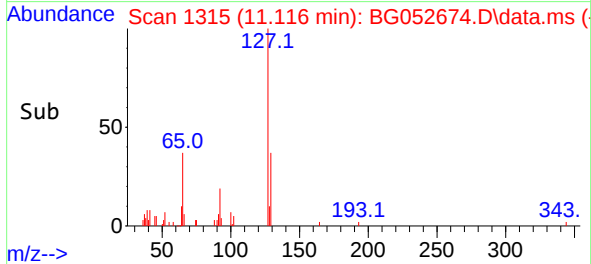
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



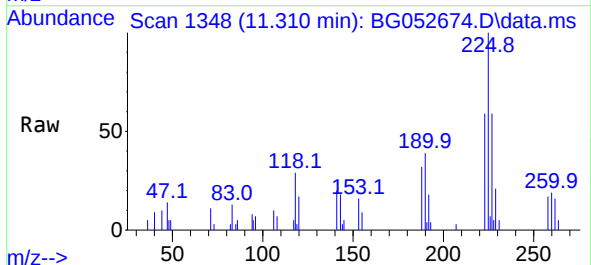
Tgt Ion:127 Resp: 14850
Ion Ratio Lower Upper
127 100
129 36.9 27.6 41.4
65 37.5 28.2 42.4
92 18.8 17.0 25.4

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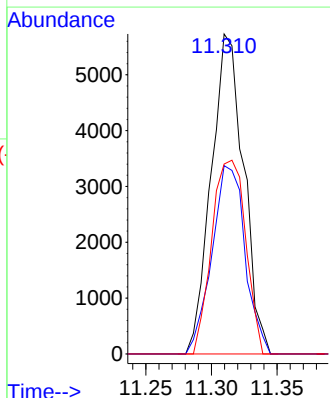
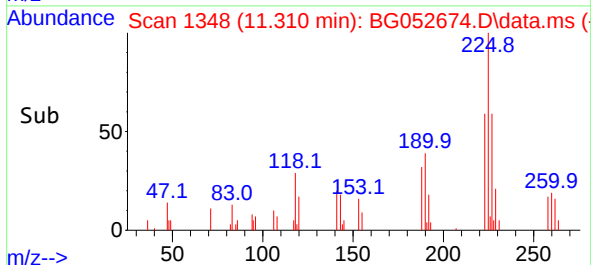
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

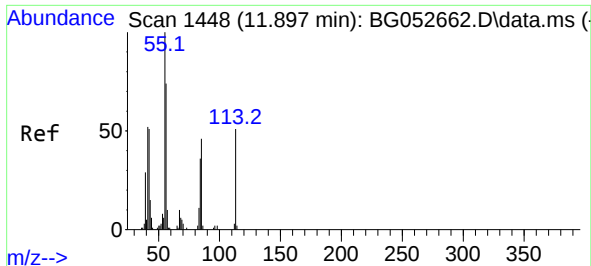


#34
Hexachlorobutadiene
Concen: 4.826 ng
RT: 11.310 min Scan# 1348
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



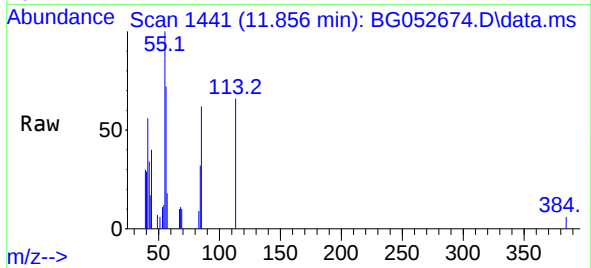
Tgt Ion:225 Resp: 9833
Ion Ratio Lower Upper
225 100
223 58.8 50.2 75.2
227 59.4 52.0 78.0





#35
Caprolactam
Concen: 4.391 ng
RT: 11.856 min Scan# 14
Delta R.T. -0.041 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

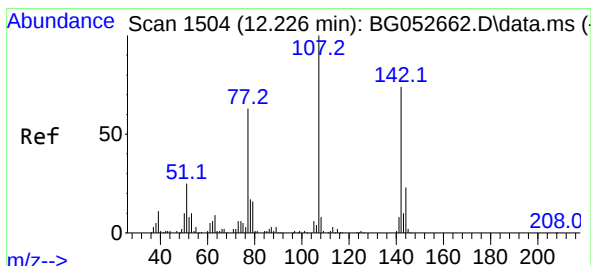
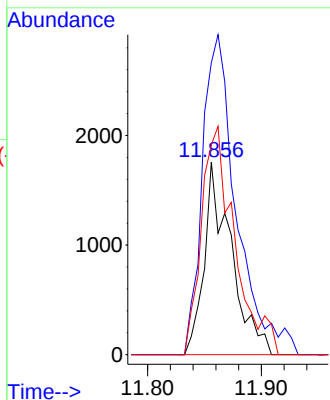
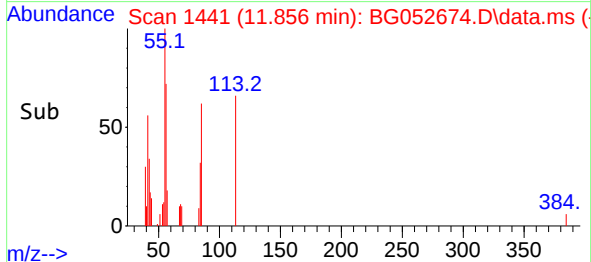
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:113 Resp: 288
Ion Ratio Lower Upper
113 100
55 151.5 151.3 191.3
56 108.9 128.5 168.5

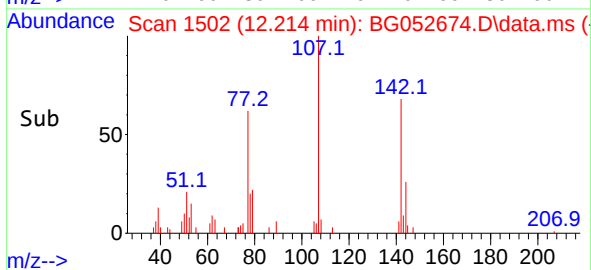
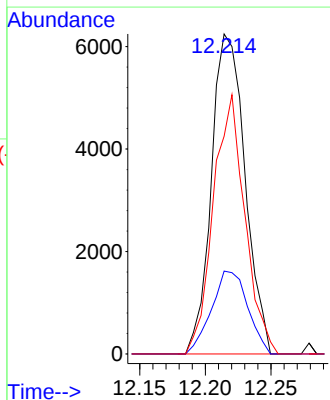
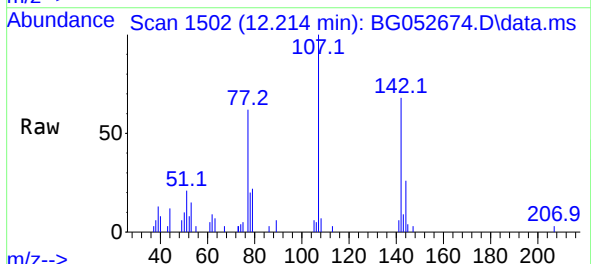
Manual Integrations
APPROVED

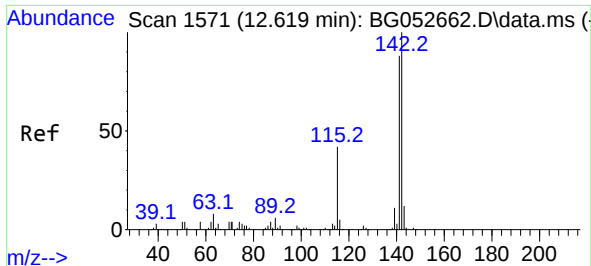
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#36
4-Chloro-3-methylphenol
Concen: 3.981 ng
RT: 12.214 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:107 Resp: 11136
Ion Ratio Lower Upper
107 100
144 25.9 21.4 32.0
142 68.1 61.7 92.5





#37

2-Methylnaphthalene

Concen: 4.792 ng

RT: 12.614 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

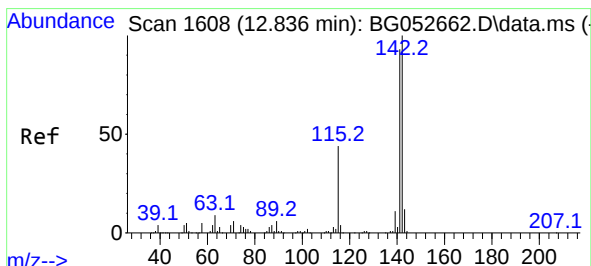
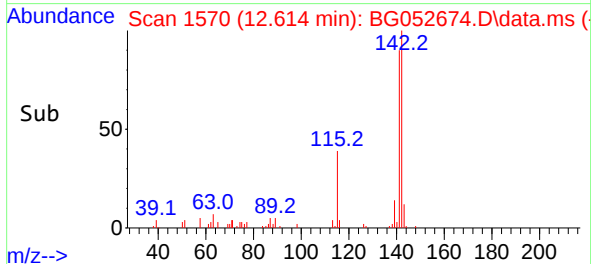
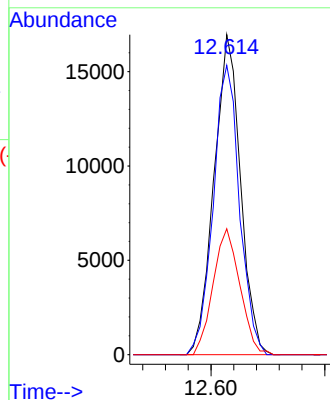
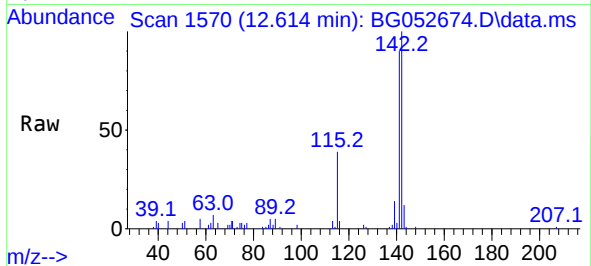
Tgt Ion:142	Resp:	27430
Ion Ratio	Lower	Upper
142	100	
141	90.4	71.3 106.9
115	39.4	29.5 44.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#38

1-Methylnaphthalene

Concen: 4.710 ng

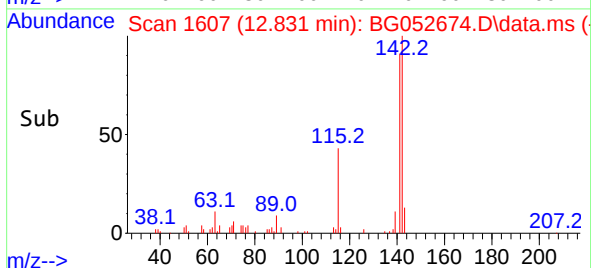
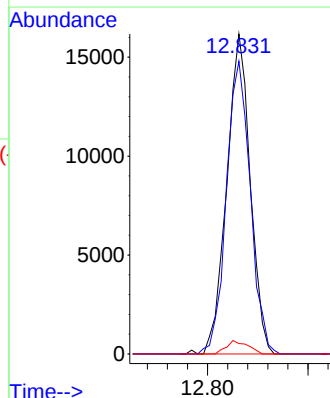
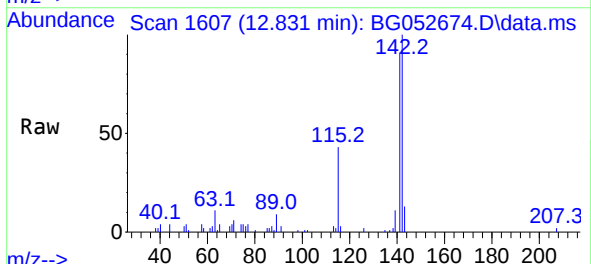
RT: 12.831 min Scan# 1607

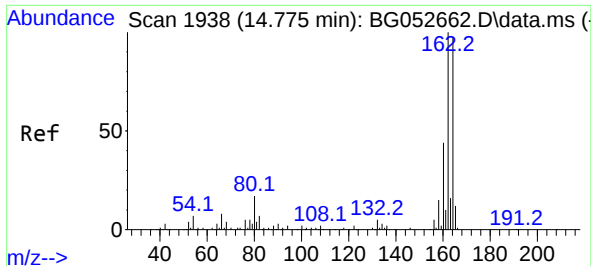
Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

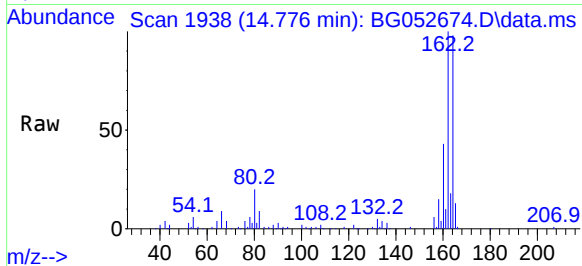
Tgt Ion:142	Resp:	26313
Ion Ratio	Lower	Upper
142	100	
141	91.4	70.5 105.7
116	3.2	3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

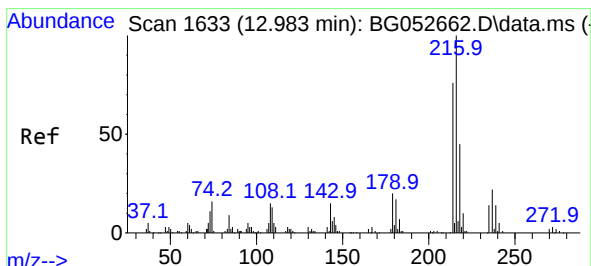
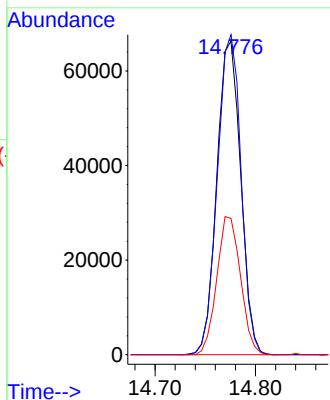
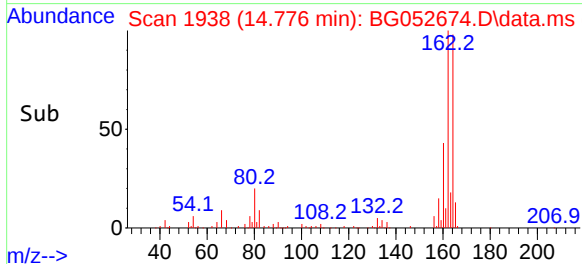
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



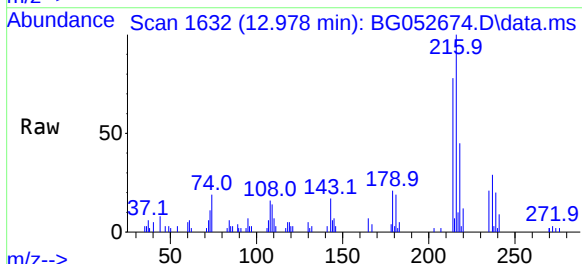
Tgt Ion:164 Resp: 109619
Ion Ratio Lower Upper
164 100
162 102.0 80.0 120.0
160 43.4 38.8 58.2

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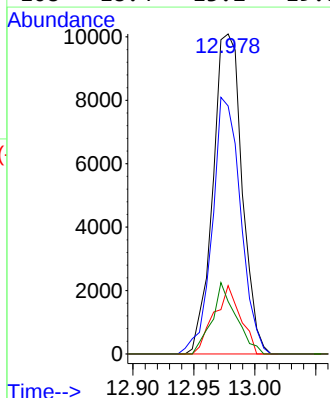
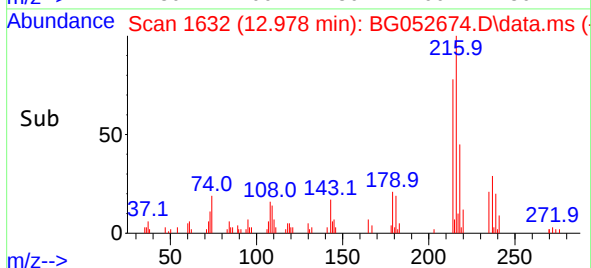
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

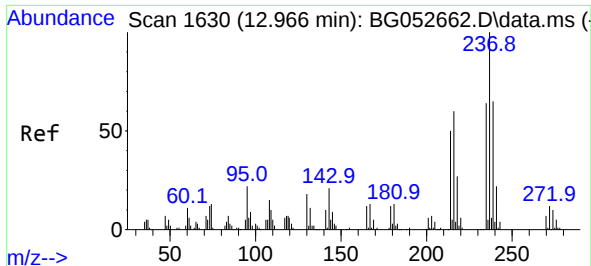


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.913 ng
RT: 12.978 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



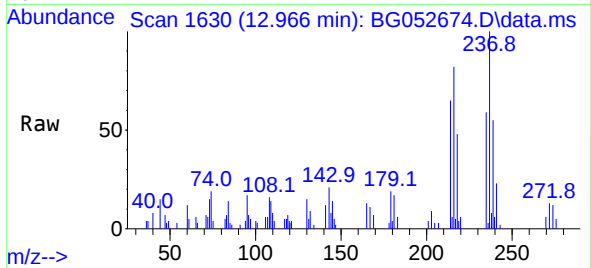
Tgt Ion:216 Resp: 16825
Ion Ratio Lower Upper
216 100
214 77.6 63.8 95.6
179 19.3 15.7 23.5
108 18.4 13.2 19.8





#41
Hexachlorocyclopentadiene
Concen: 5.340 ng
RT: 12.966 min Scan# 10840
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

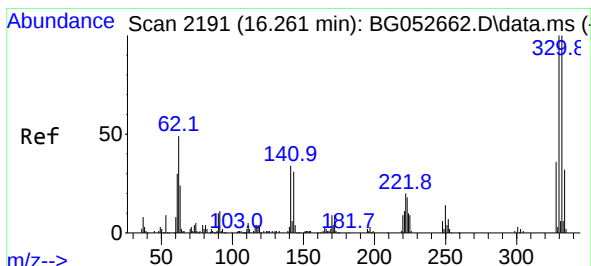
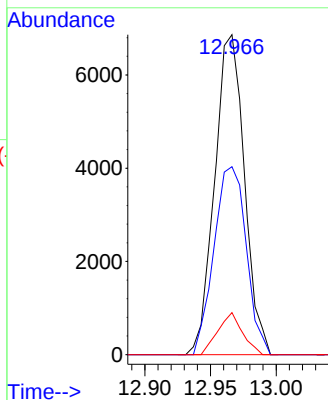
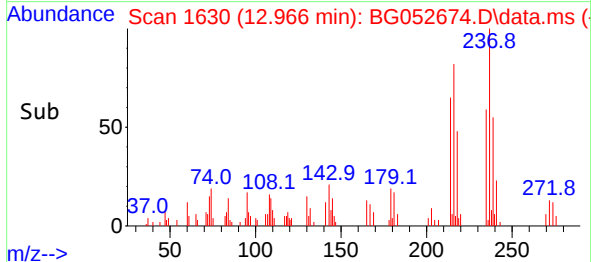
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



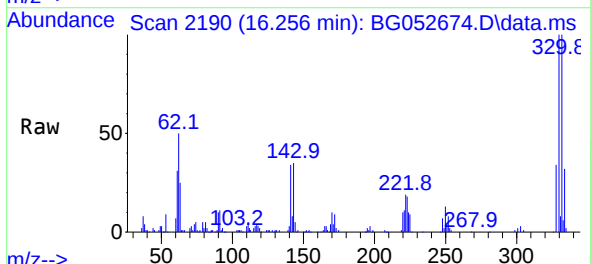
Tgt Ion:237 Resp: 10840
Ion Ratio Lower Upper
237 100
235 58.8 37.7 77.7
272 13.2 0.0 30.7

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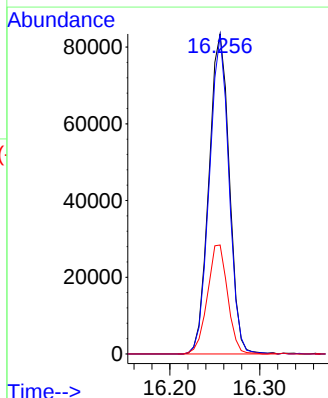
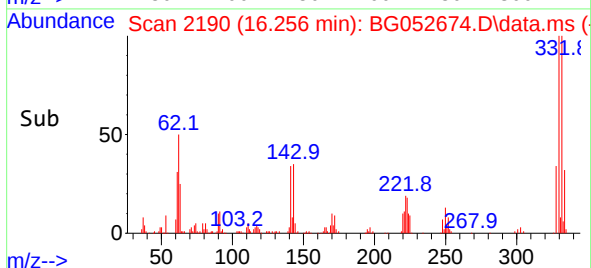
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

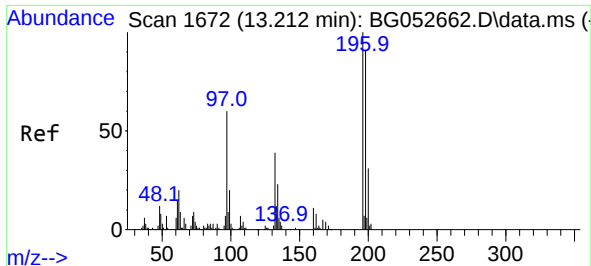


#42
2,4,6-Tribromophenol
Concen: 89.041 ng
RT: 16.256 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



Tgt Ion:330 Resp: 131156
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 33.9 24.6 36.8





#43

2,4,6-Trichlorophenol

Concen: 3.857 ng

RT: 13.207 min Scan# 1671

Delta R.T. -0.005 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:196 Resp: 845

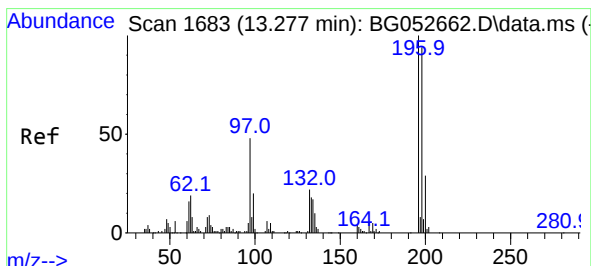
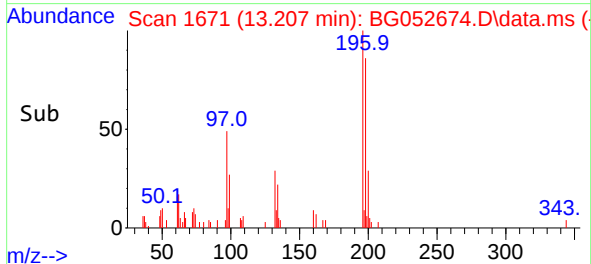
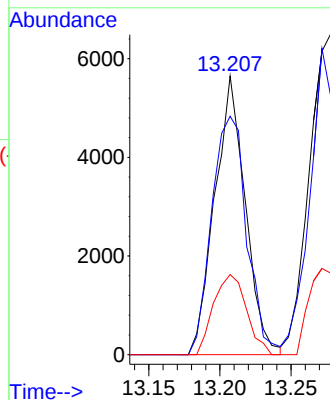
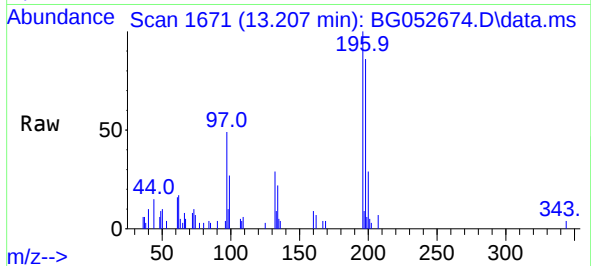
Ion	Ratio	Lower	Upper
196	100		
198	85.5	78.8	118.2
200	28.8	25.1	37.7

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: 4.620 ng

RT: 13.278 min Scan# 1683

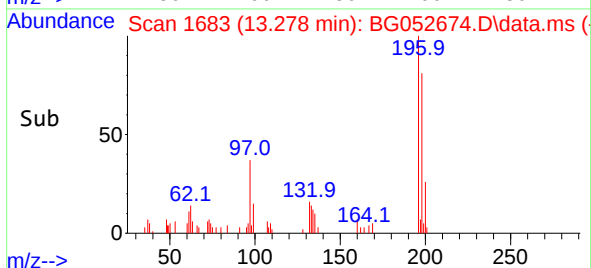
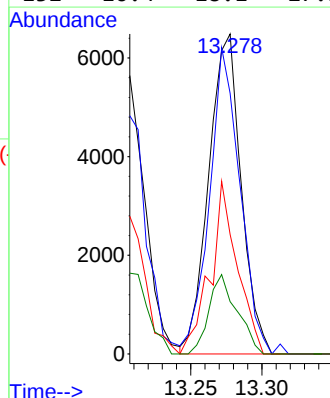
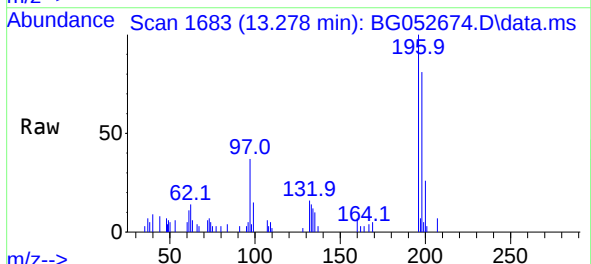
Delta R.T. 0.001 min

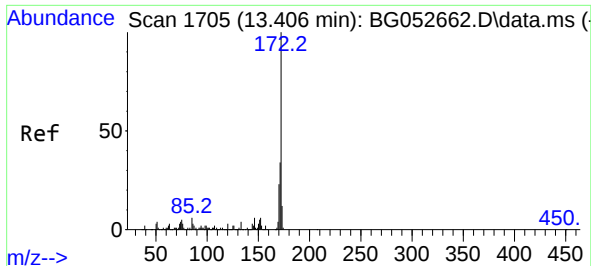
Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Tgt Ion:196 Resp: 10284

Ion	Ratio	Lower	Upper
196	100		
198	81.4	75.8	113.6
97	37.3	36.5	54.7
132	16.4	18.1	27.1





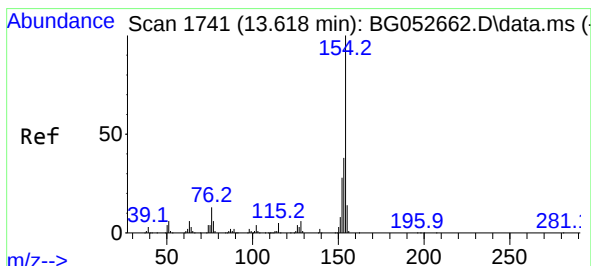
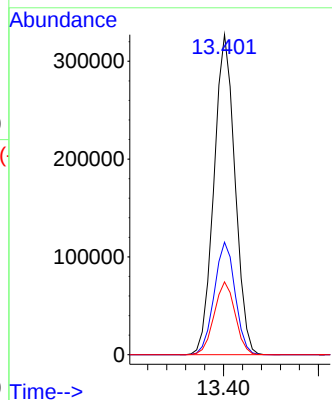
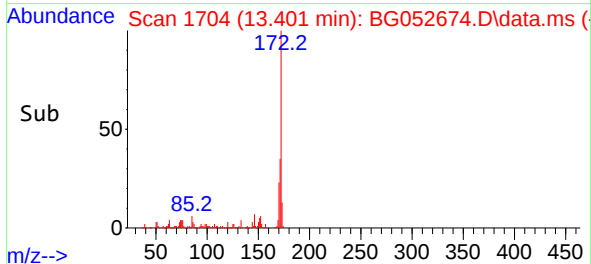
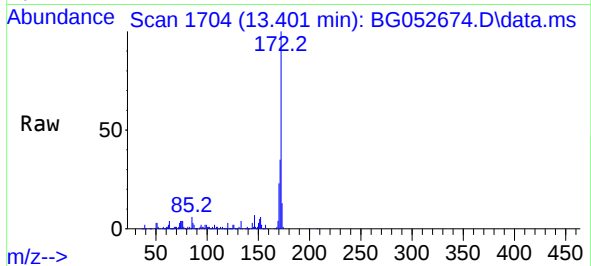
#45
2-Fluorobiphenyl
Concen: 67.707 ng
RT: 13.401 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

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

Tgt Ion:172 Resp: 503239
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.8 18.0 27.0

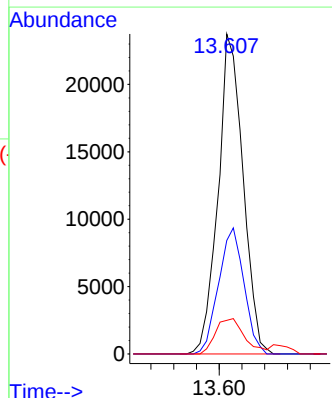
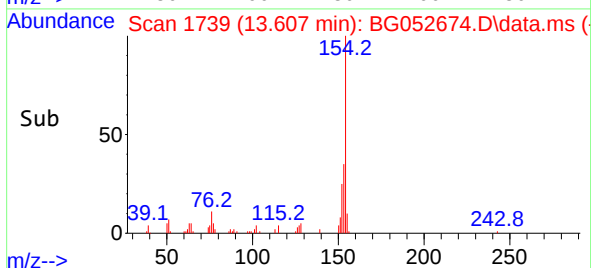
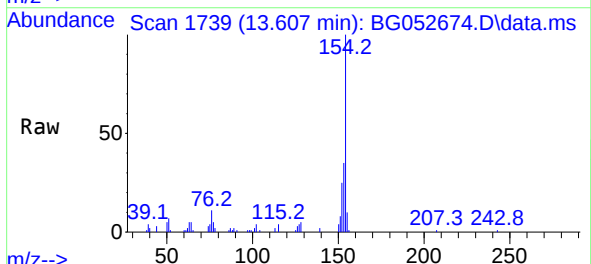
Manual Integrations
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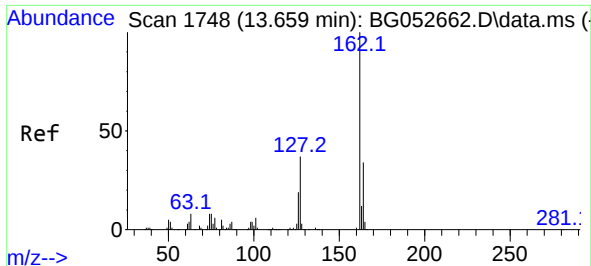
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#46
1,1'-Biphenyl
Concen: 4.717 ng
RT: 13.607 min Scan# 1739
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

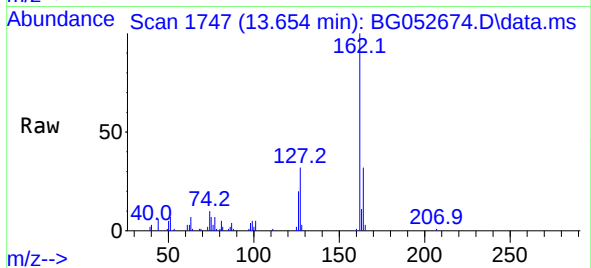
Tgt Ion:154 Resp: 36158
Ion Ratio Lower Upper
154 100
153 35.5 21.6 61.6
76 10.5 0.0 31.5





#47
2-Chloronaphthalene
Concen: 4.630 ng
RT: 13.654 min Scan# 1748
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

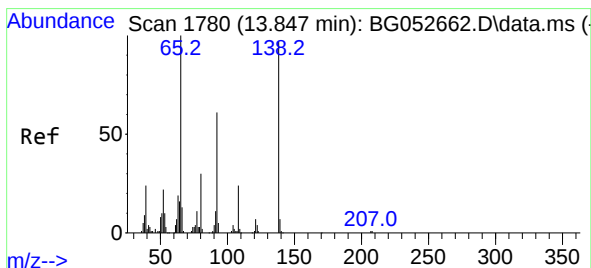
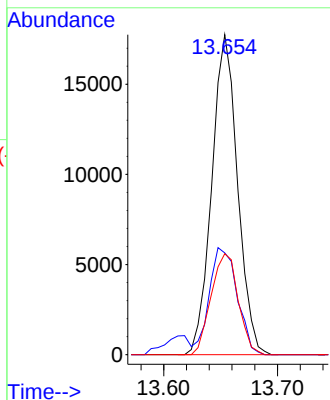
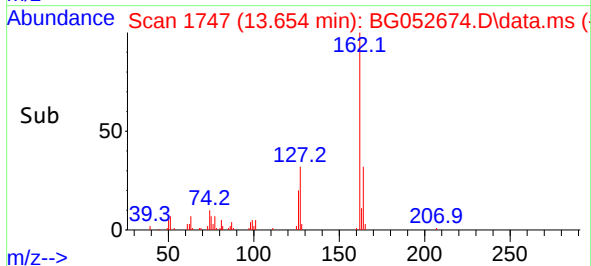
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



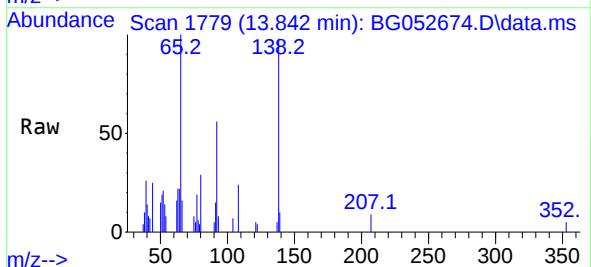
Tgt Ion:162 Resp: 2795
Ion Ratio Lower Upper
162 100
127 31.8 28.1 42.1
164 31.5 26.0 39.0

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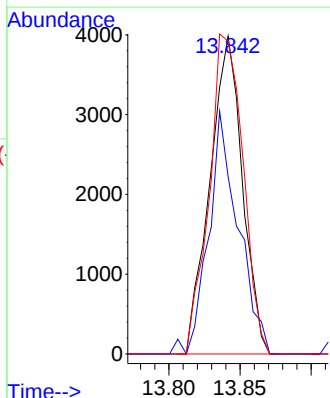
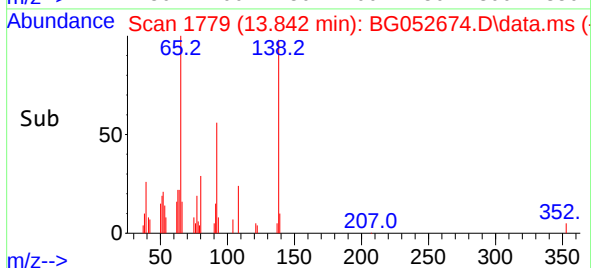
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

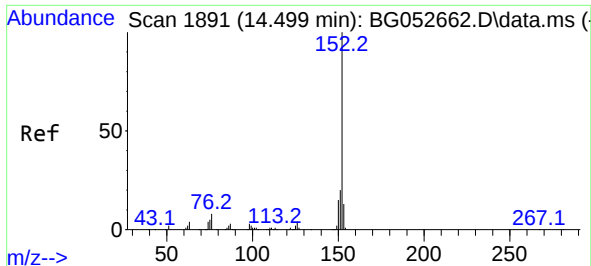


#48
2-Nitroaniline
Concen: 3.843 ng
RT: 13.842 min Scan# 1779
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



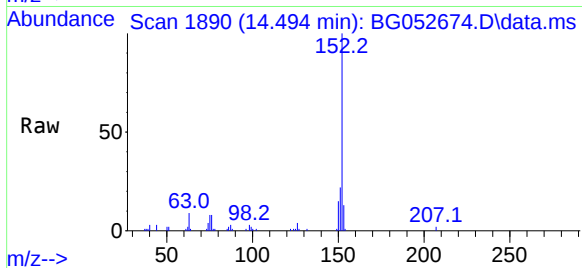
Tgt Ion: 65 Resp: 6345
Ion Ratio Lower Upper
65 100
92 55.9 52.1 78.1
138 98.5 80.1 120.1





#49
Acenaphthylene
Concen: 4.865 ng
RT: 14.494 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

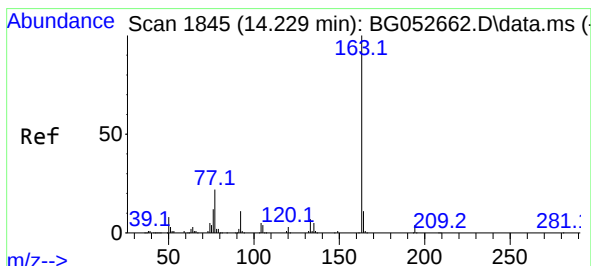
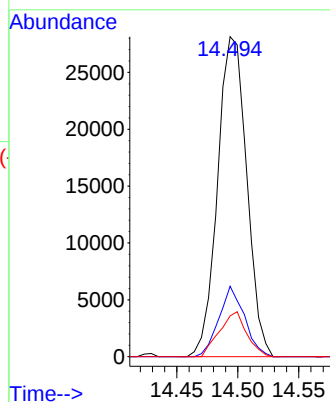
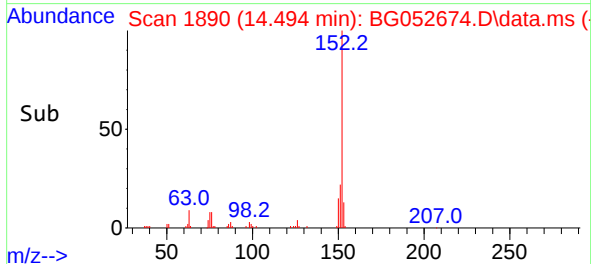
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



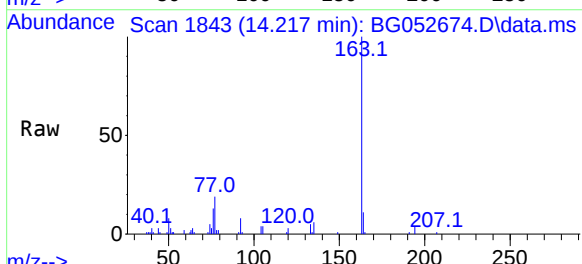
Tgt Ion:152 Resp: 4682
Ion Ratio Lower Upper
152 100
151 22.0 15.8 23.6
153 12.7 10.6 15.8

Manual Integrations
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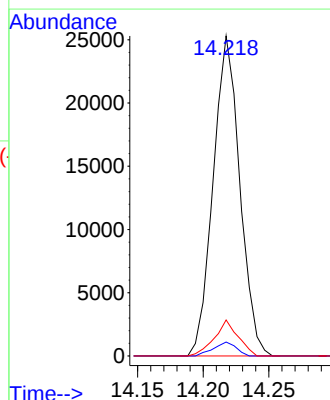
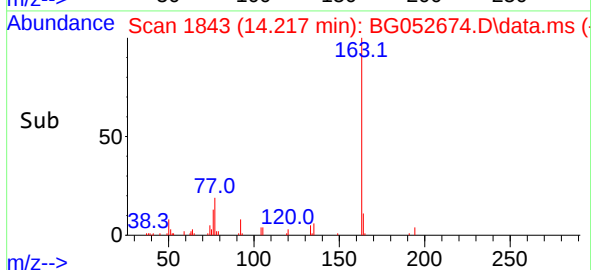
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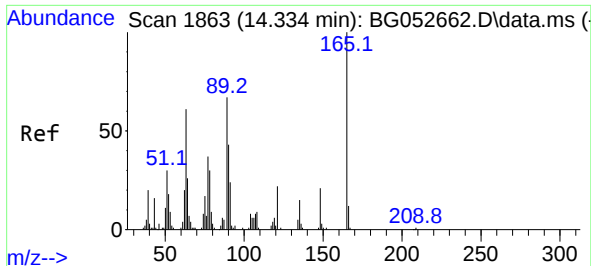


#50
Dimethylphthalate
Concen: 4.380 ng
RT: 14.217 min Scan# 1843
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



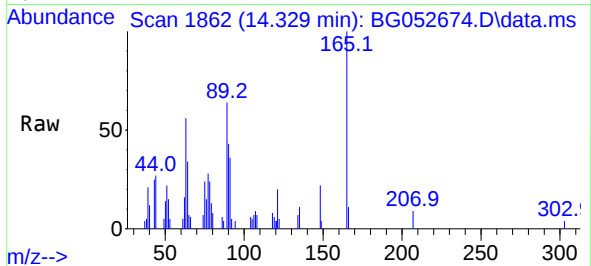
Tgt Ion:163 Resp: 35687
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 11.2 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 4.183 ng
RT: 14.329 min Scan# 1862
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

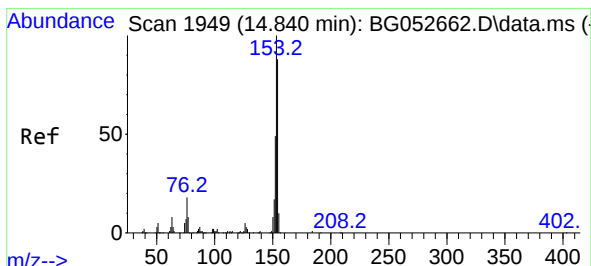
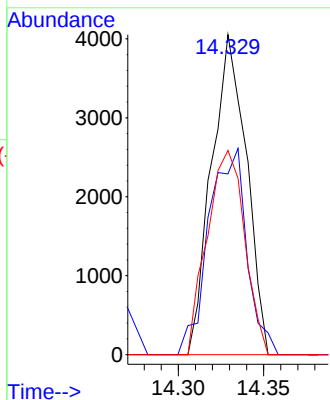
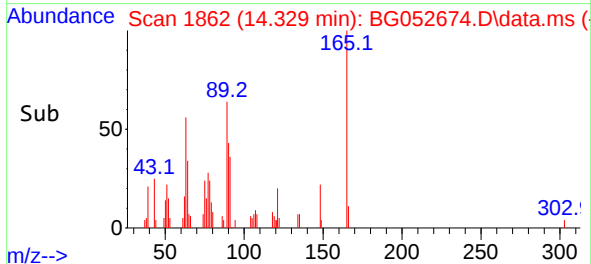
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



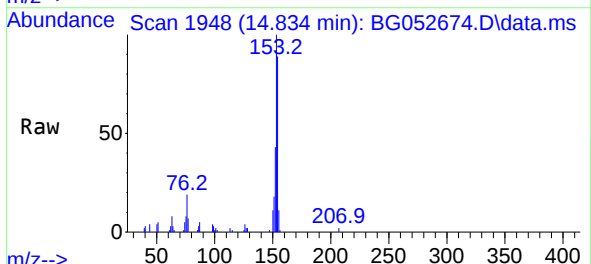
Tgt Ion:165 Resp: 5754
Ion Ratio Lower Upper
165 100
63 56.5 43.7 65.5
89 63.8 45.0 67.4

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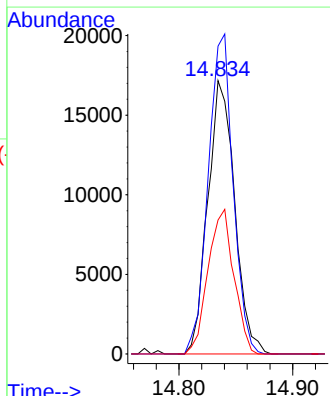
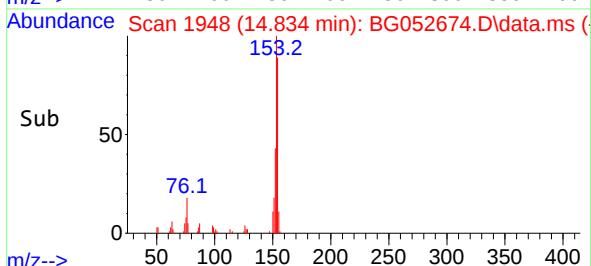
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

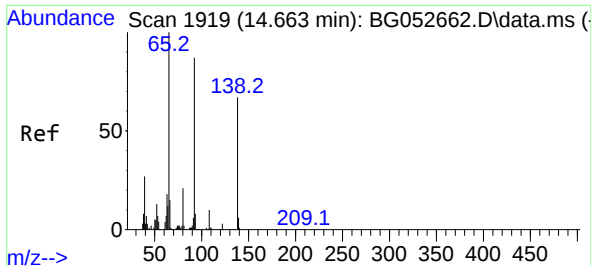


#52
Acenaphthene
Concen: 4.579 ng
RT: 14.834 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



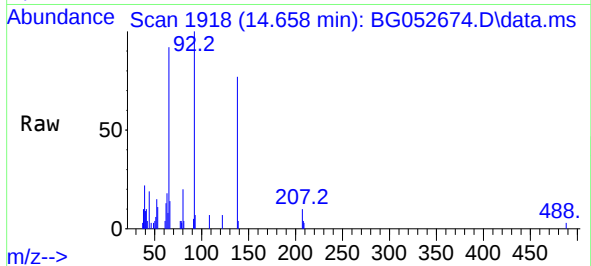
Tgt Ion:154 Resp: 28234
Ion Ratio Lower Upper
154 100
153 112.7 89.0 133.4
152 49.0 40.5 60.7





#53
3-Nitroaniline
Concen: 3.822 ng
RT: 14.658 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

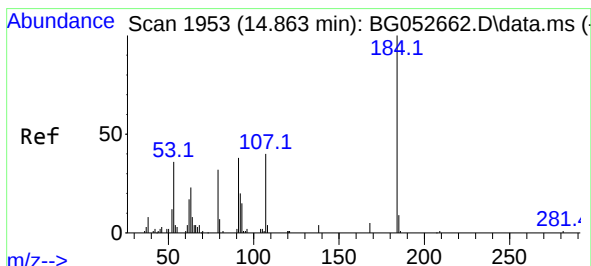
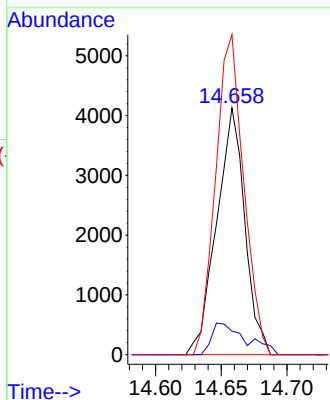
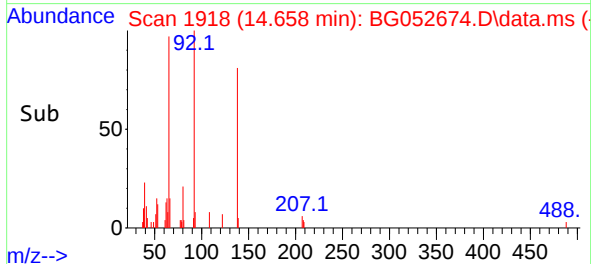
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2022



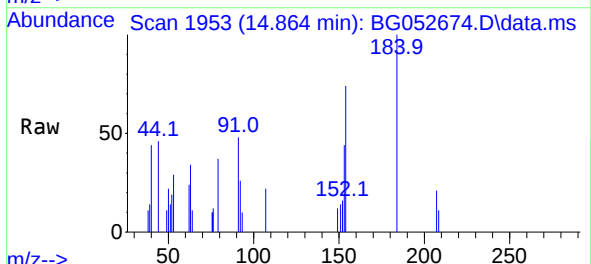
Tgt Ion:138 Resp: 615
Ion Ratio Lower Upper
138 100
108 9.5 8.0 12.0
92 129.7 96.2 144.2

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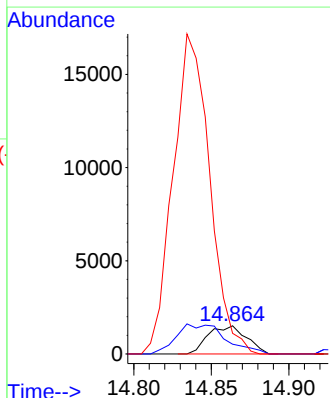
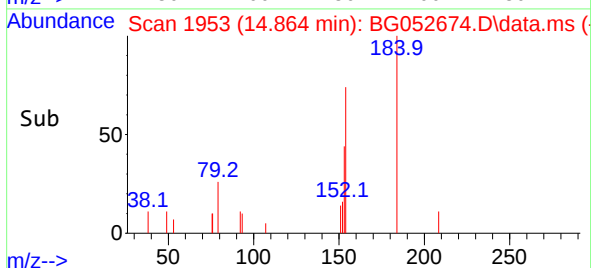
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

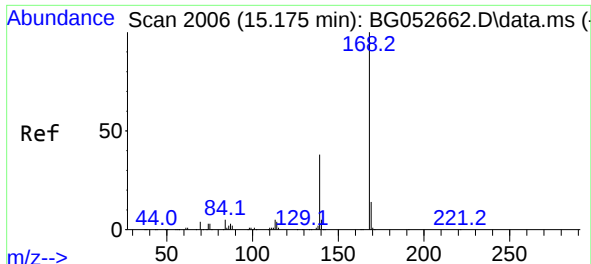


#54
2,4-Dinitrophenol
Concen: 3.436 ng
RT: 14.864 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



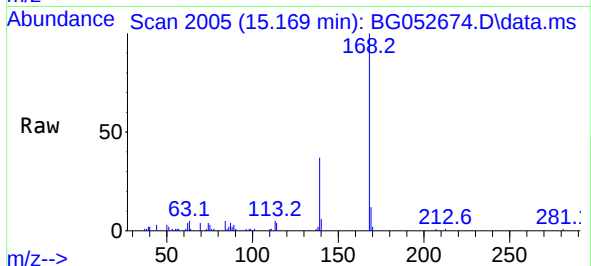
Tgt Ion:184 Resp: 2576
Ion Ratio Lower Upper
184 100
63 34.5 51.8 77.6#
154 73.6 47.8 71.6#





#55
Dibenzenofuran
Concen: 4.554 ng
RT: 15.169 min Scan# 2006
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

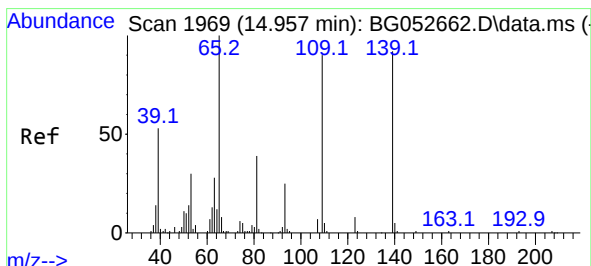
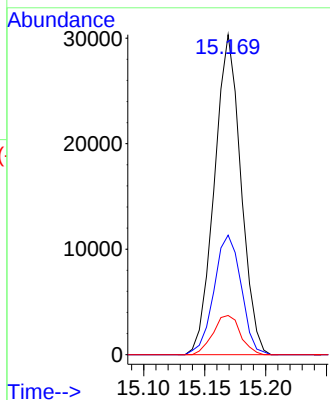
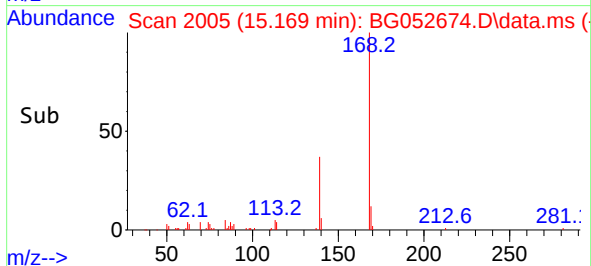
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



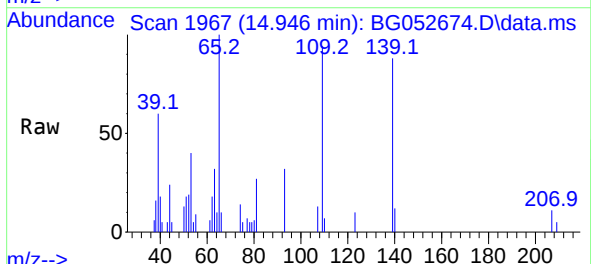
Tgt Ion:168 Resp: 4585
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.4
169 12.3 10.7 16.1

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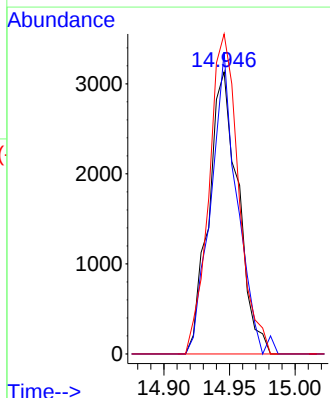
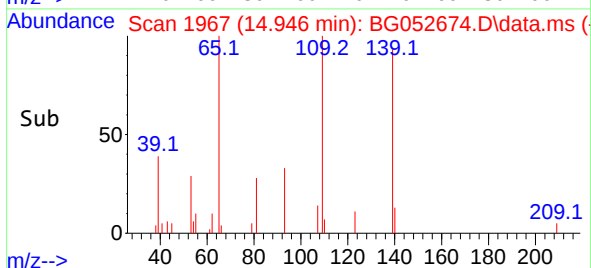
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

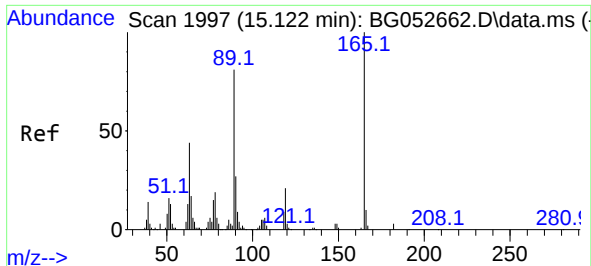


#56
4-Nitrophenol
Concen: 3.729 ng
RT: 14.946 min Scan# 1967
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



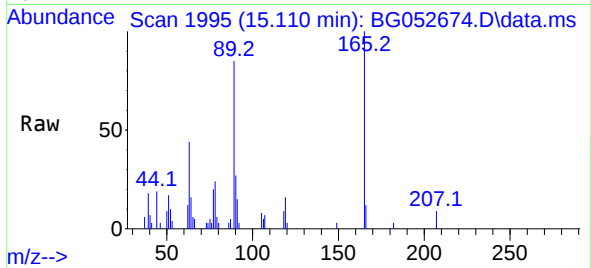
Tgt Ion:139 Resp: 4896
Ion Ratio Lower Upper
139 100
109 107.1 67.1 107.1
65 113.5 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 3.793 ng
RT: 15.110 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

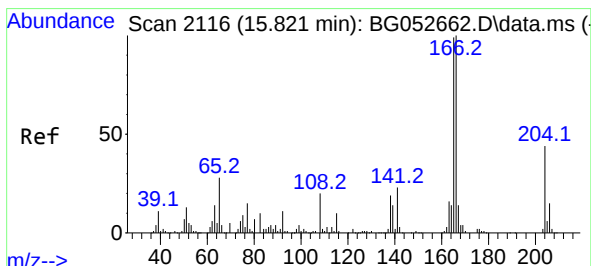
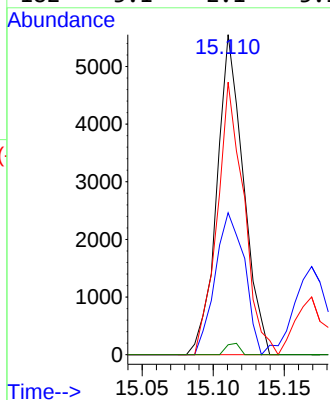
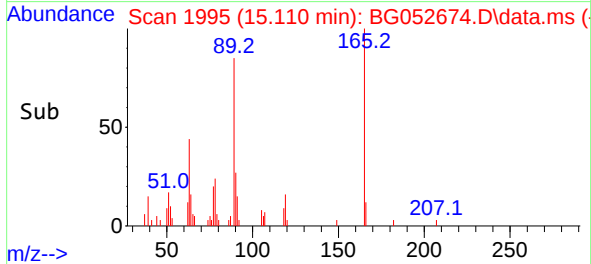
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



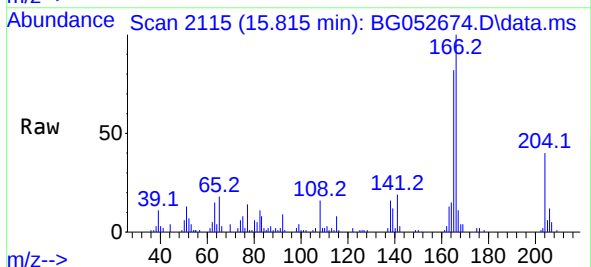
Tgt Ion:165 Resp: 7240
Ion Ratio Lower Upper
165 100
63 44.4 34.8 52.2
89 85.1 57.4 86.0
182 3.1 2.1 3.1

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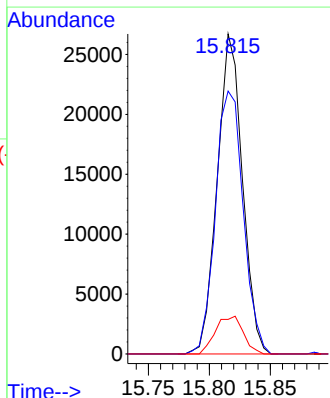
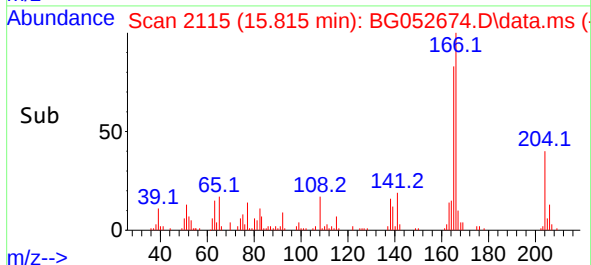
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

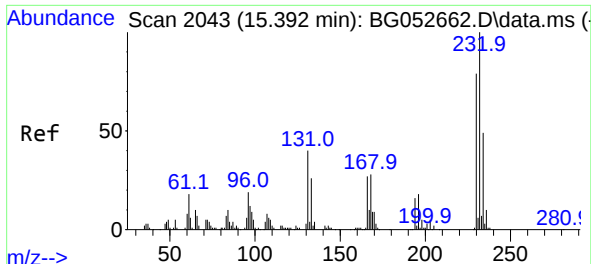


#58
Fluorene
Concen: 4.673 ng
RT: 15.815 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



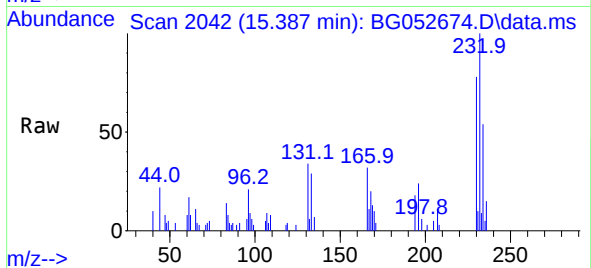
Tgt Ion:166 Resp: 38353
Ion Ratio Lower Upper
166 100
165 82.2 78.6 117.8
167 10.8 10.9 16.3#





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.646 ng
RT: 15.387 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

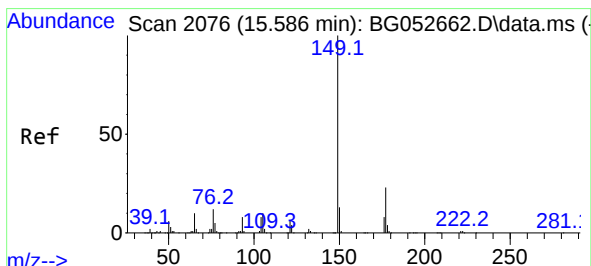
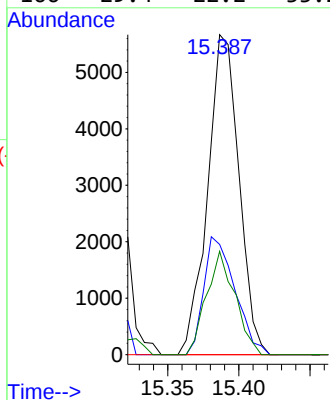
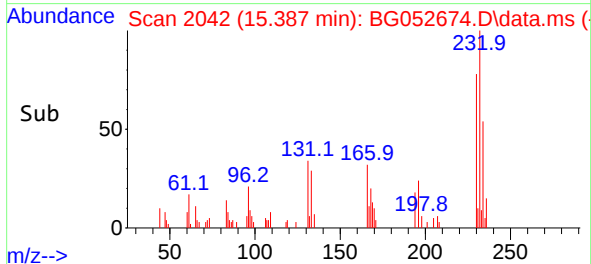
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:232 Resp: 8670
Ion Ratio Lower Upper
232 100
131 36.7 30.1 45.1
130 0.0 1.8 2.8
166 29.4 22.2 33.2

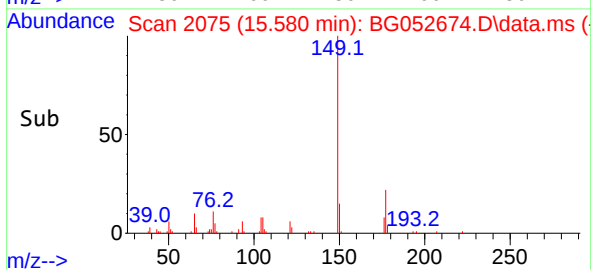
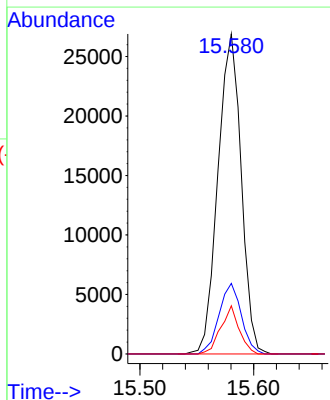
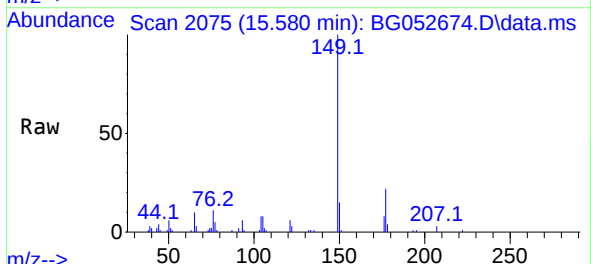
Manual Integrations
APPROVED

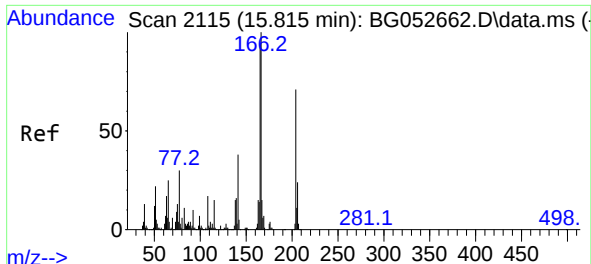
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#60
Diethylphthalate
Concen: 4.437 ng
RT: 15.580 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

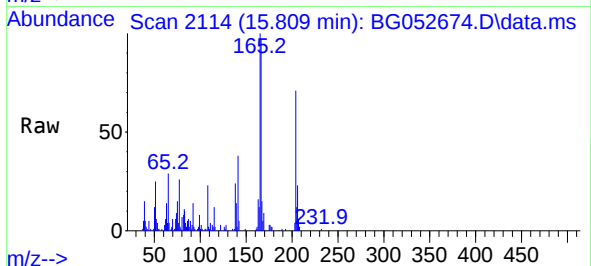
Tgt Ion:149 Resp: 38160
Ion Ratio Lower Upper
149 100
177 22.0 18.2 27.2
150 15.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.546 ng
RT: 15.809 min Scan# 2114
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

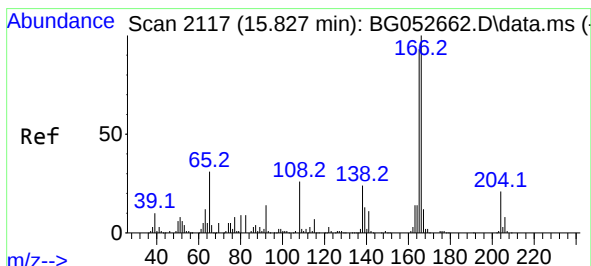
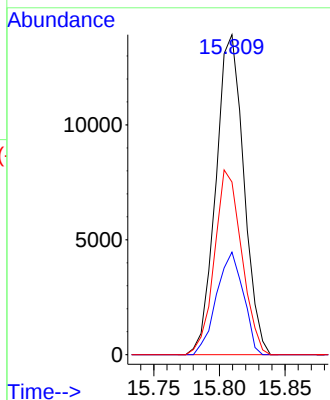
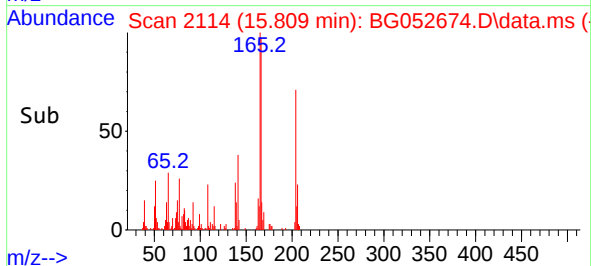
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



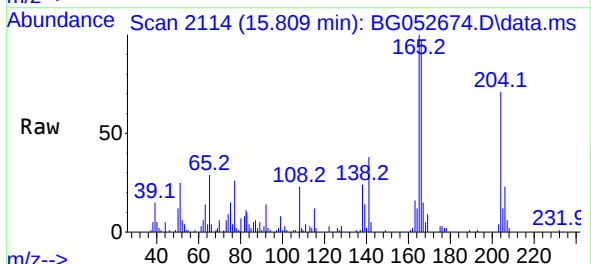
Tgt Ion:204 Resp: 20574
Ion Ratio Lower Upper
204 100
206 32.0 28.3 42.5
141 54.0 45.8 68.8

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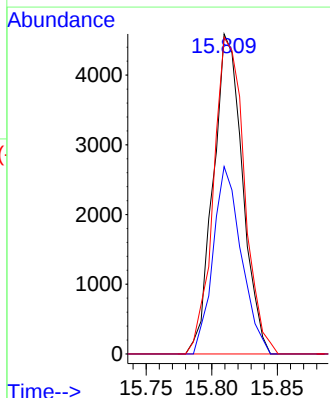
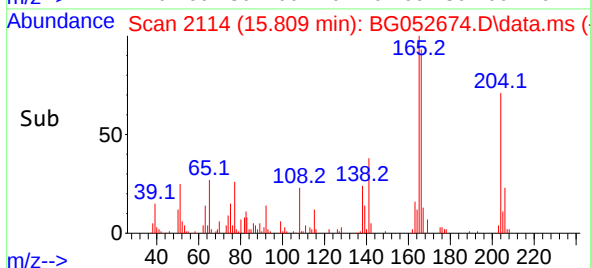
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

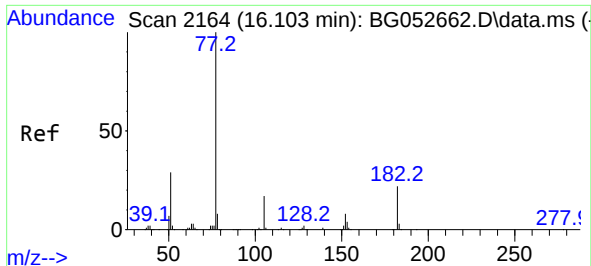


#62
4-Nitroaniline
Concen: 4.181 ng
RT: 15.809 min Scan# 2114
Delta R.T. -0.017 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



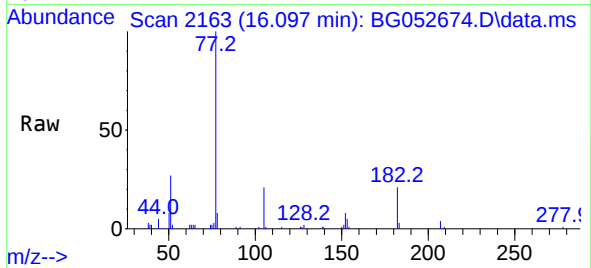
Tgt Ion:138 Resp: 7111
Ion Ratio Lower Upper
138 100
92 58.6 33.3 73.3
108 98.9 74.2 114.2





#63
Azobenzene
Concen: 4.385 ng
RT: 16.097 min Scan# 2164
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

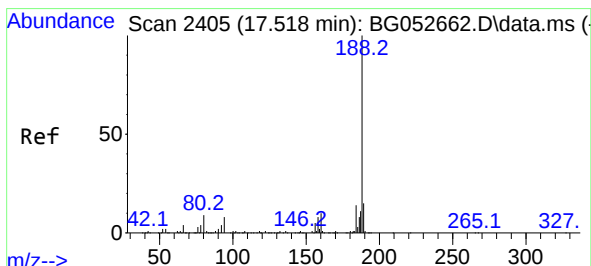
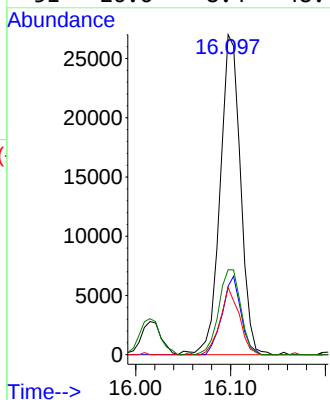
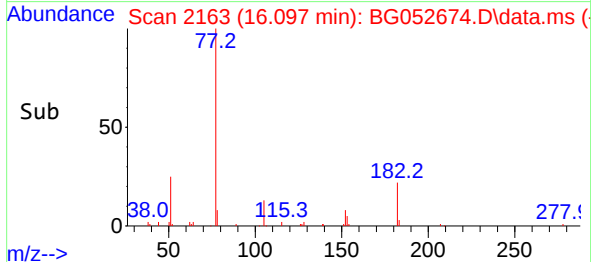
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 4030
Ion Ratio Lower Upper
77 100
182 21.4 5.6 45.6
105 20.9 0.0 38.8
51 26.6 8.4 48.4

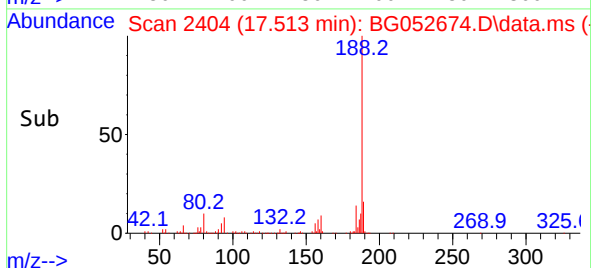
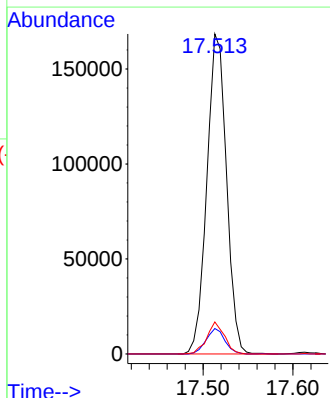
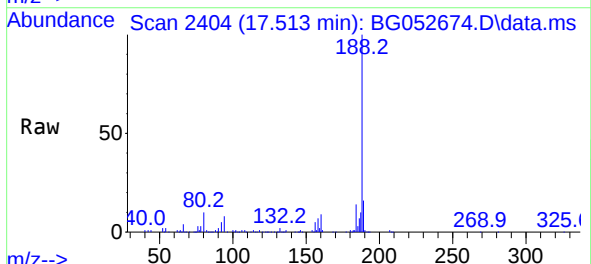
Manual Integrations
APPROVED

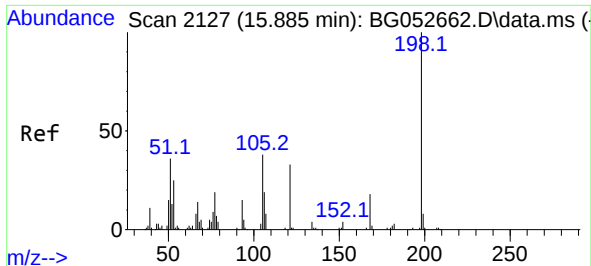
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.513 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

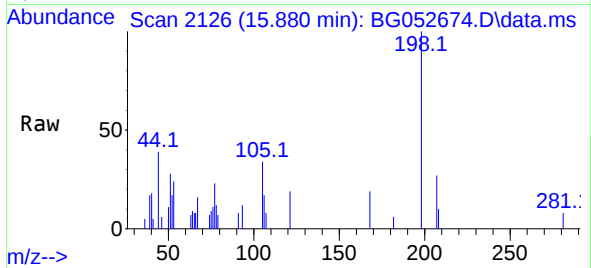
Tgt Ion:188 Resp: 255406
Ion Ratio Lower Upper
188 100
94 8.0 5.7 8.5
80 10.0 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 3.786 ng
RT: 15.880 min Scan# 2127
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

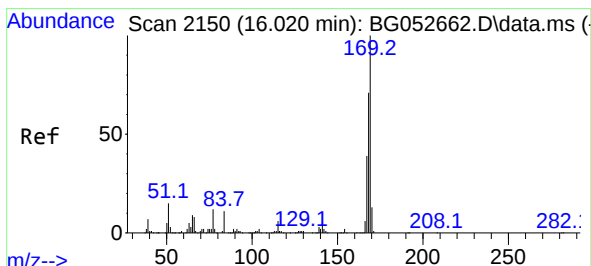
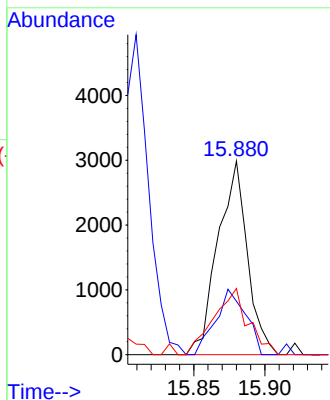
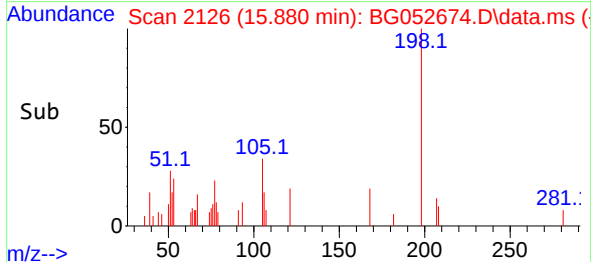
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



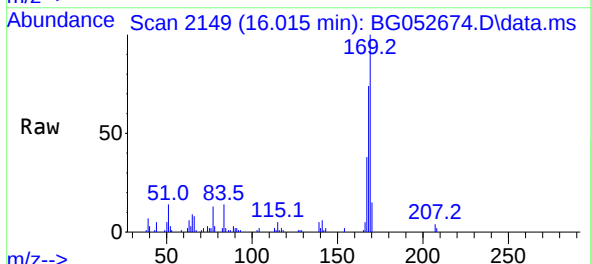
Tgt Ion:198 Resp: 431
Ion Ratio Lower Upper
198 100
51 27.6 21.7 61.7
105 34.2 20.8 60.8

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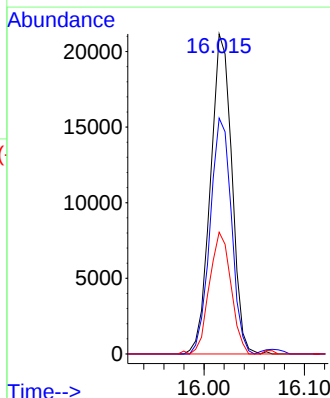
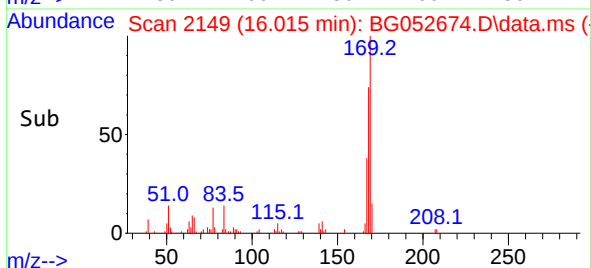
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

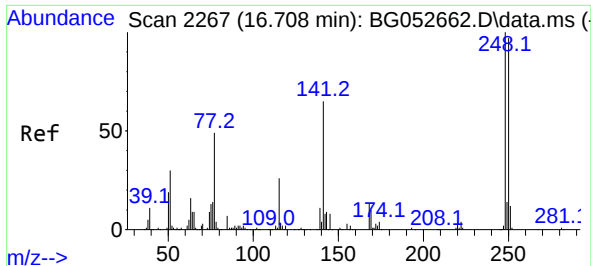


#66
n-Nitrosodiphenylamine
Concen: 4.351 ng
RT: 16.015 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



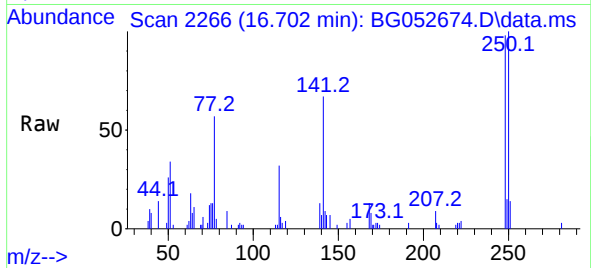
Tgt Ion:169 Resp: 31287
Ion Ratio Lower Upper
169 100
168 73.7 54.5 81.7
167 38.1 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 4.108 ng
RT: 16.702 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

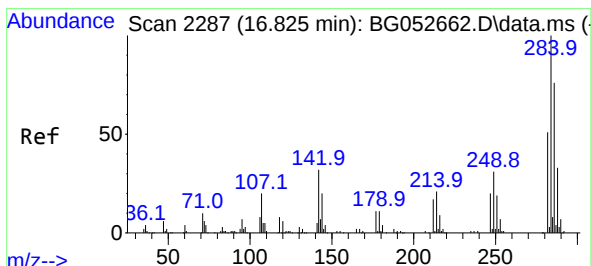
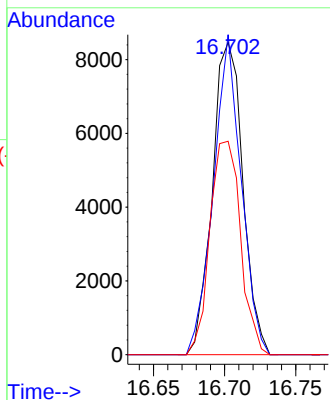
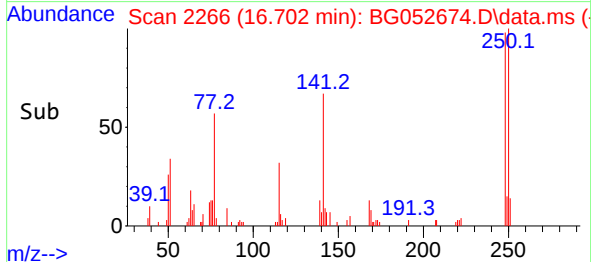
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



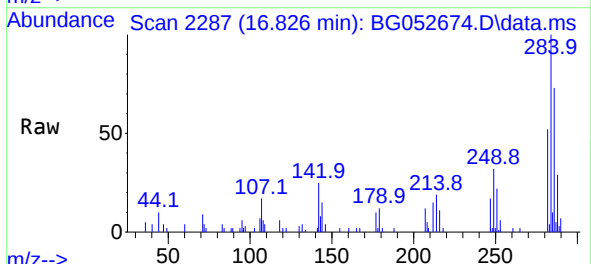
Tgt Ion:248 Resp: 12650
Ion Ratio Lower Upper
248 100
250 102.5 77.9 116.9
141 68.4 49.2 73.8

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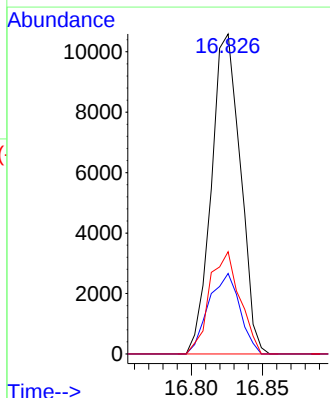
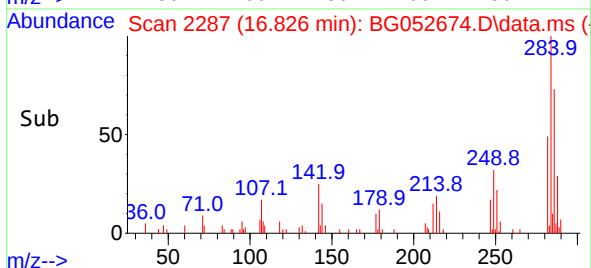
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

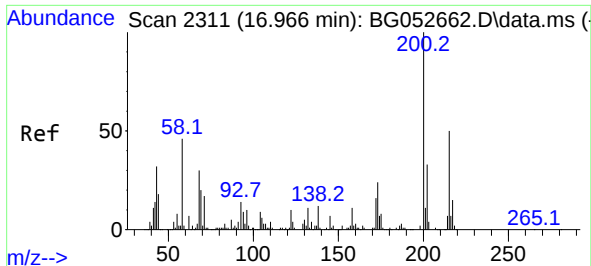


#68
Hexachlorobenzene
Concen: 4.539 ng
RT: 16.826 min Scan# 2287
Delta R.T. 0.000 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



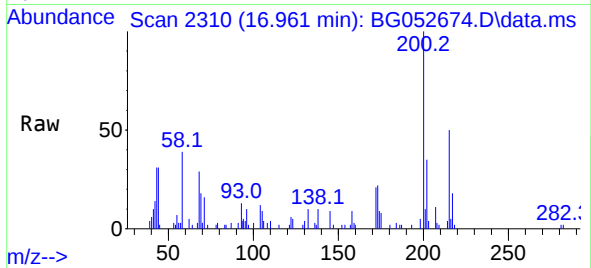
Tgt Ion:284 Resp: 15024
Ion Ratio Lower Upper
284 100
142 25.1 21.0 31.4
249 31.9 22.7 34.1





#69
 Atrazine
 Concen: 4.629 ng
 RT: 16.961 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01

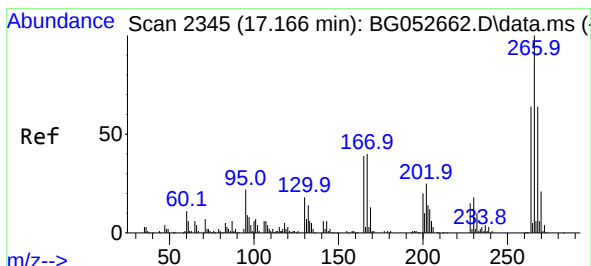
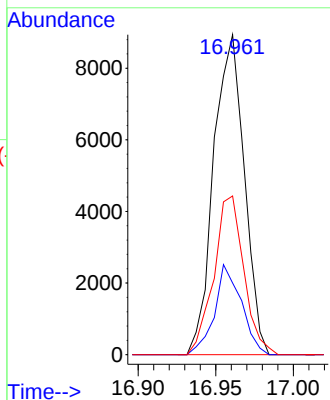
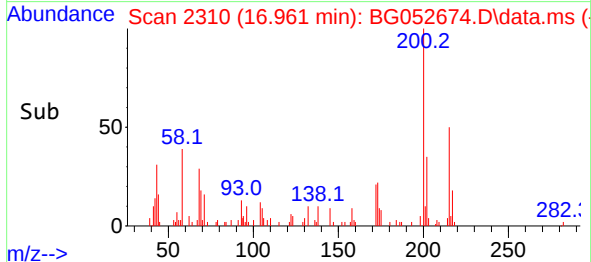
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



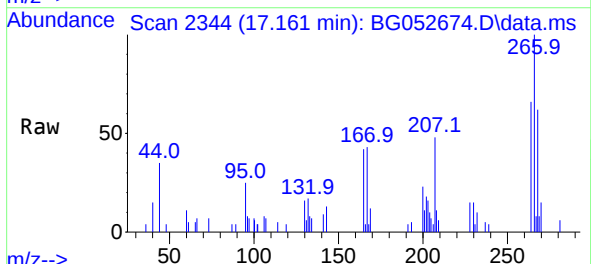
Tgt Ion:200 Resp: 1227
 Ion Ratio Lower Upper
 200 100
 173 22.4 3.8 43.8
 215 49.6 26.3 66.3

Manual Integrations
 APPROVED

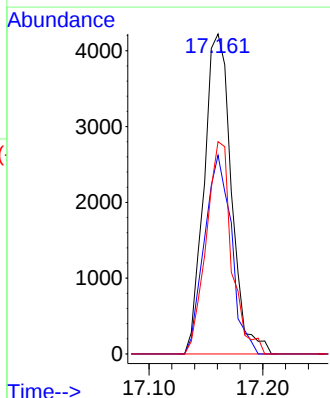
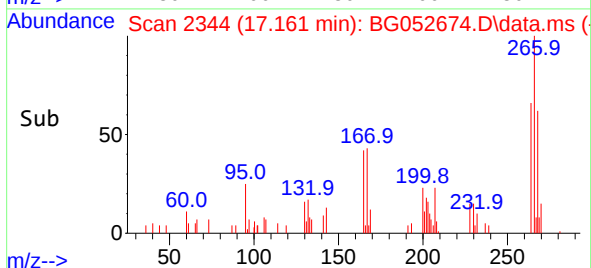
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

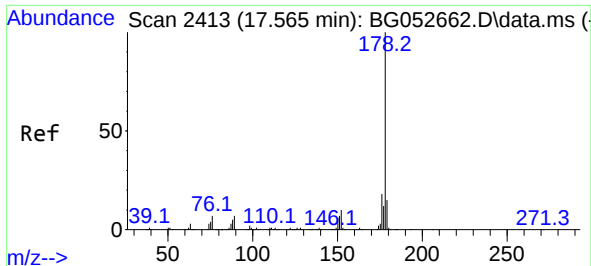


#70
 Pentachlorophenol
 Concen: 3.433 ng
 RT: 17.161 min Scan# 2344
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01



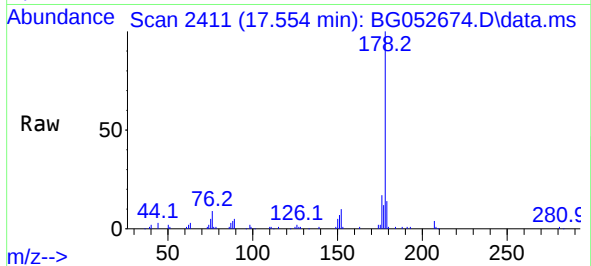
Tgt Ion:266 Resp: 7049
 Ion Ratio Lower Upper
 266 100
 268 62.1 45.9 68.9
 264 66.3 45.3 67.9





#71
Phenanthrene
Concen: 4.791 ng
RT: 17.554 min Scan# 2411
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

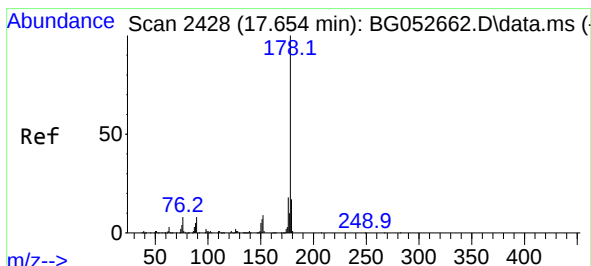
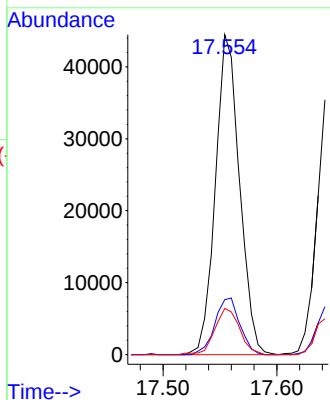
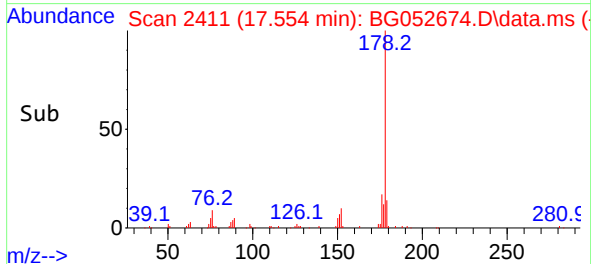
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:178 Resp: 65450
Ion Ratio Lower Upper
178 100
176 17.2 15.9 23.9
179 14.5 13.4 20.2

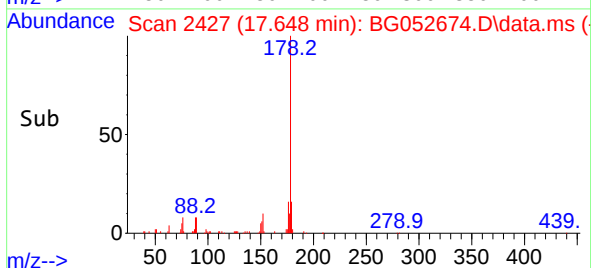
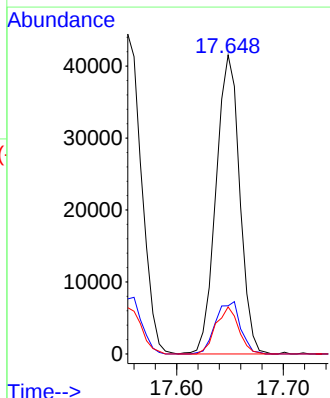
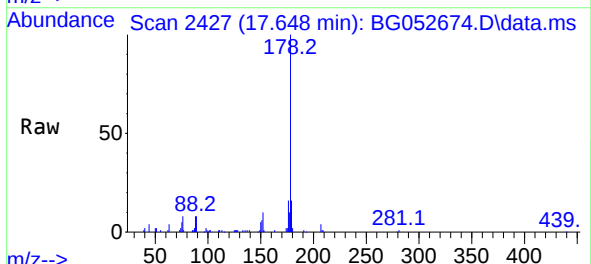
Manual Integrations
APPROVED

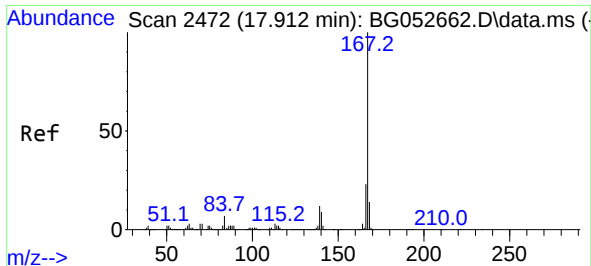
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#72
Anthracene
Concen: 4.738 ng
RT: 17.648 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

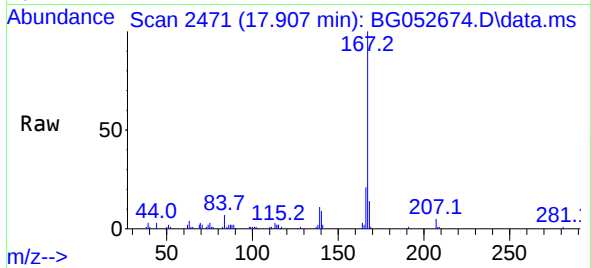
Tgt Ion:178 Resp: 64001
Ion Ratio Lower Upper
178 100
176 16.1 14.7 22.1
179 15.8 13.2 19.8





#73
 Carbazole
 Concen: 4.359 ng
 RT: 17.907 min Scan# 2472
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01

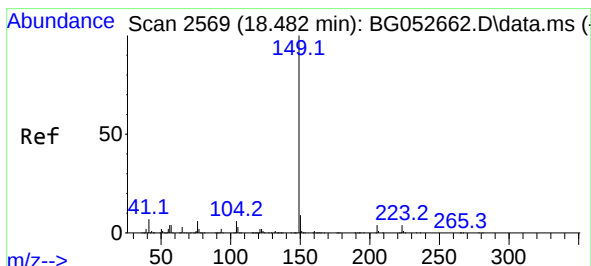
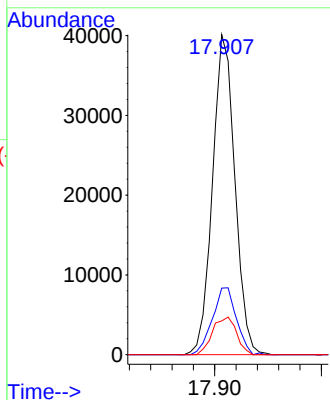
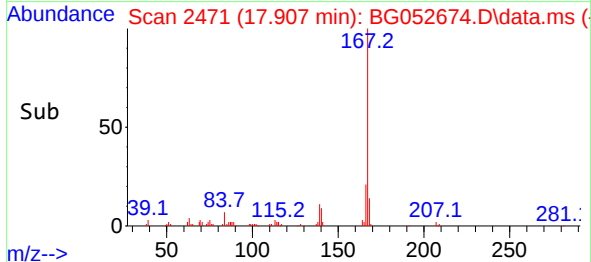
Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT1-2022



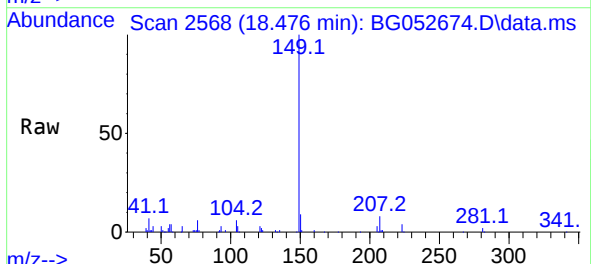
Tgt Ion:167 Resp: 58309
 Ion Ratio Lower Upper
 167 100
 166 20.8 18.5 27.7
 139 10.6 10.0 15.0

Manual Integrations
 APPROVED

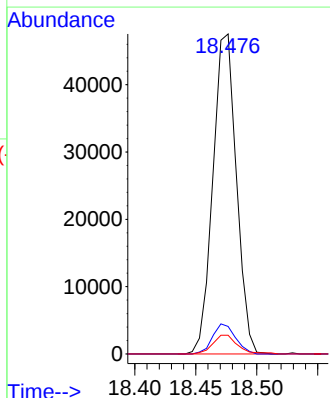
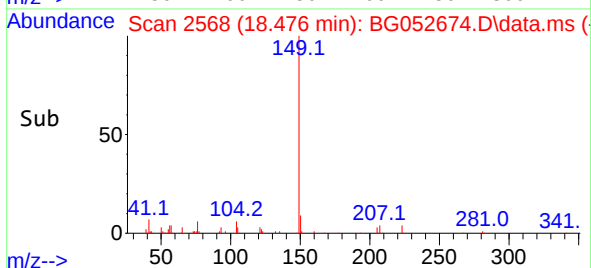
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

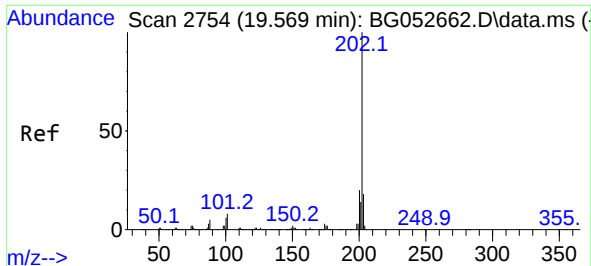


#74
 Di-n-butylphthalate
 Concen: 4.367 ng
 RT: 18.476 min Scan# 2568
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01



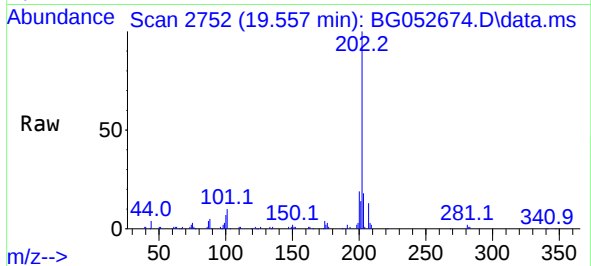
Tgt Ion:149 Resp: 63824
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.0 10.6
 104 5.8 4.6 7.0





#75
Fluoranthene
Concen: 4.704 ng
RT: 19.557 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

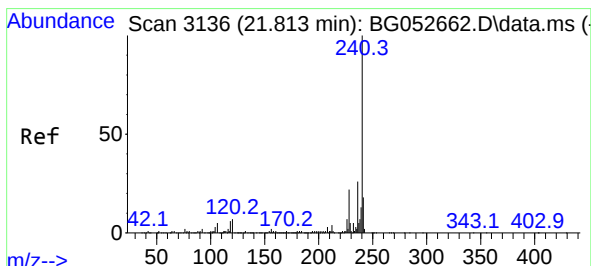
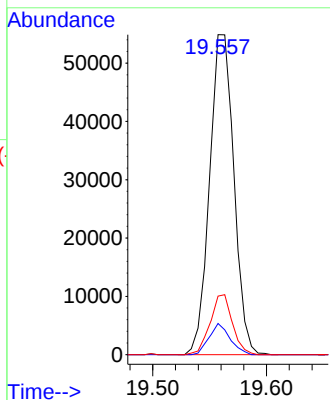
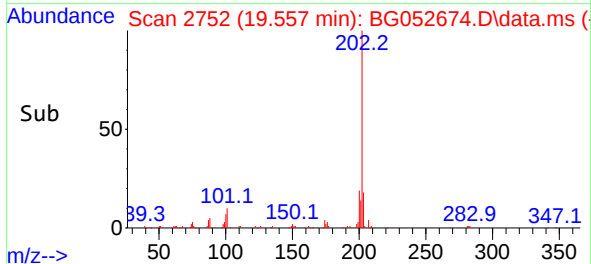
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



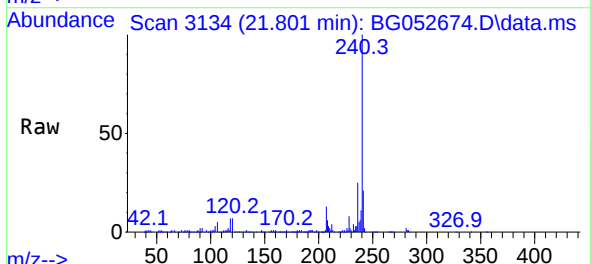
Tgt Ion:202 Resp: 8158
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.3
203 18.3 0.0 37.7

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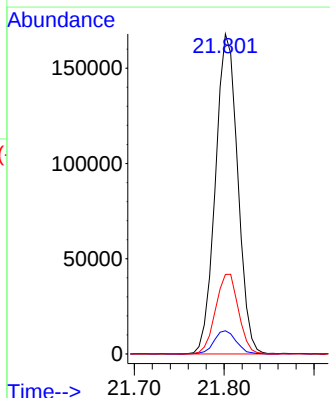
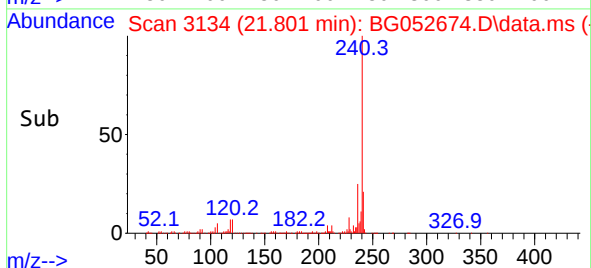
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

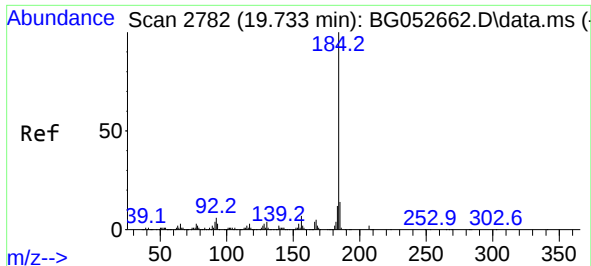


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.801 min Scan# 3134
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



Tgt Ion:240 Resp: 289609
Ion Ratio Lower Upper
240 100
120 7.3 5.4 8.0
236 24.9 19.8 29.6





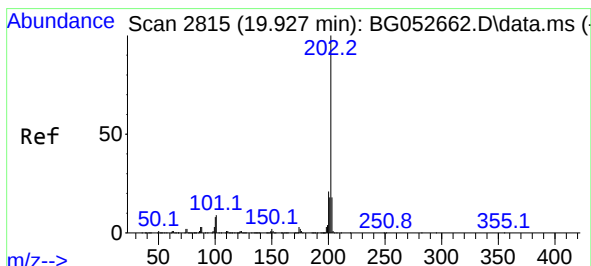
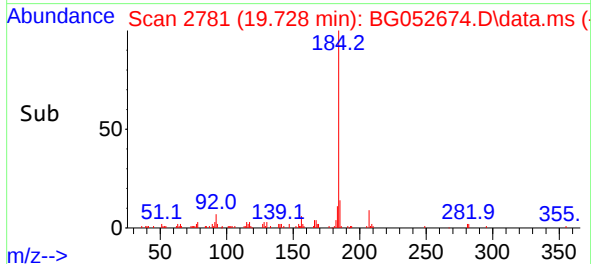
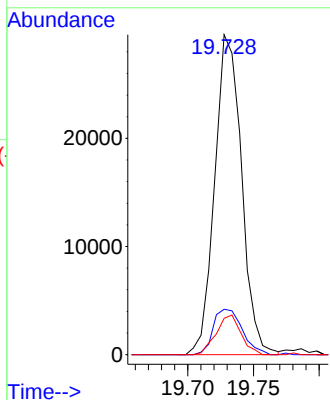
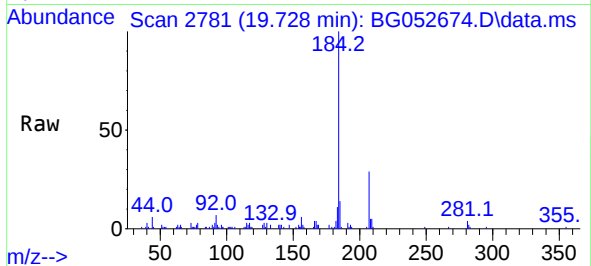
#77
Benzidine
Concen: 5.634 ng
RT: 19.728 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

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

Tgt Ion:184 Resp: 4208
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.3 9.4 14.2

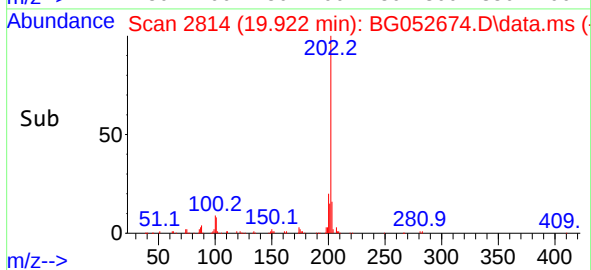
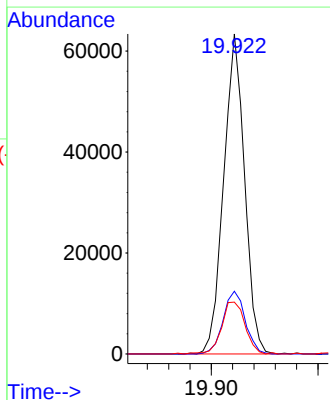
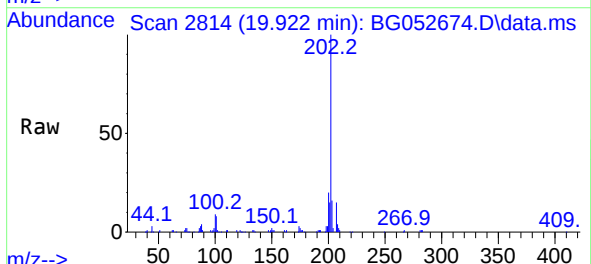
Manual Integrations
APPROVED

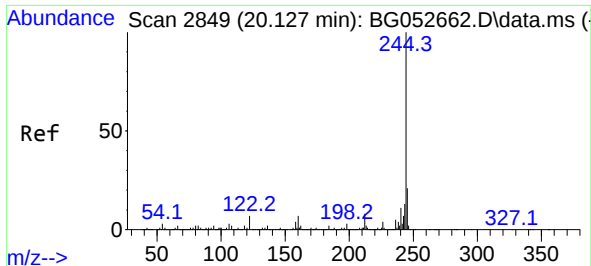
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#78
Pyrene
Concen: 4.296 ng
RT: 19.922 min Scan# 2814
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:202 Resp: 86305
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.6
203 16.2 15.0 22.6





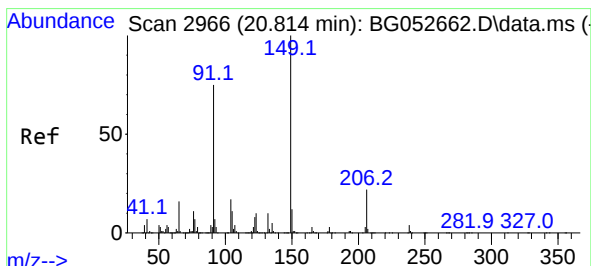
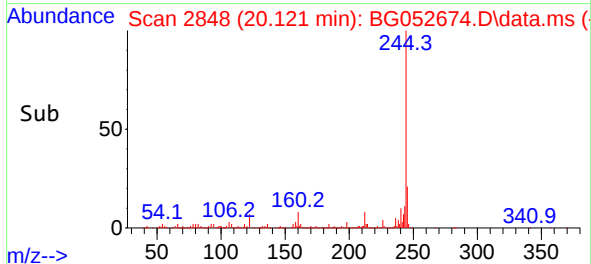
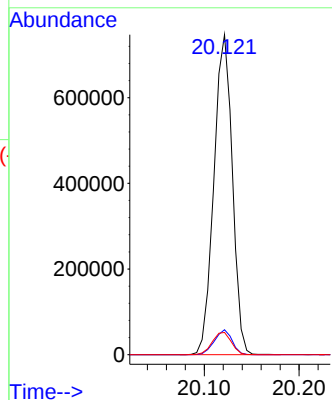
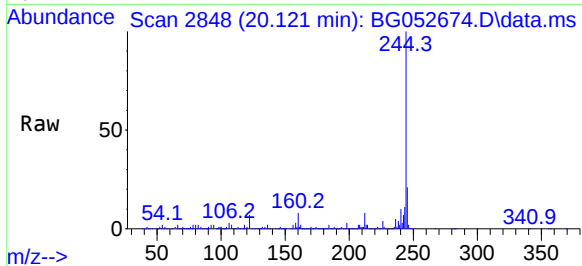
#79
 Terphenyl-d14
 Concen: 62.093 ng
 RT: 20.121 min Scan# 210
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01

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

Tgt Ion:244 Resp: 1010925
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.9 5.8 8.6

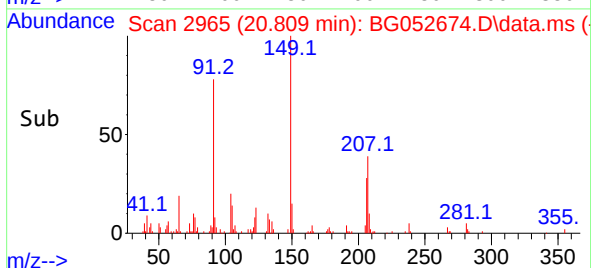
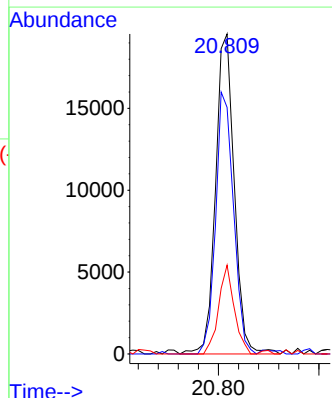
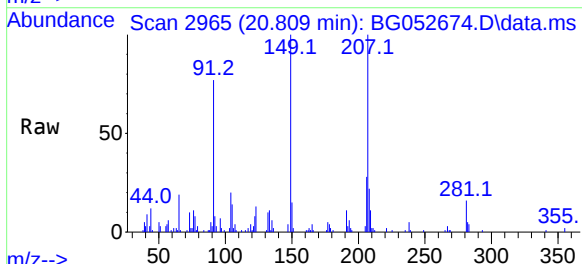
Manual Integrations
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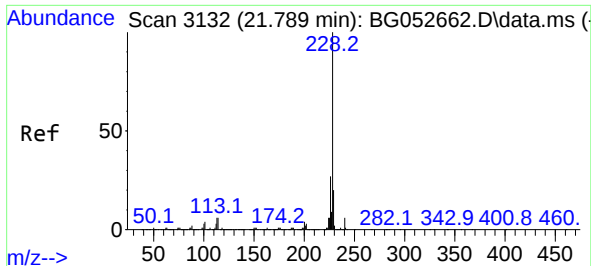
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#80
 Butylbenzylphthalate
 Concen: 3.554 ng
 RT: 20.809 min Scan# 2965
 Delta R.T. -0.005 min
 Lab File: BG052674.D
 Acq: 16 Mar 2022 11:01

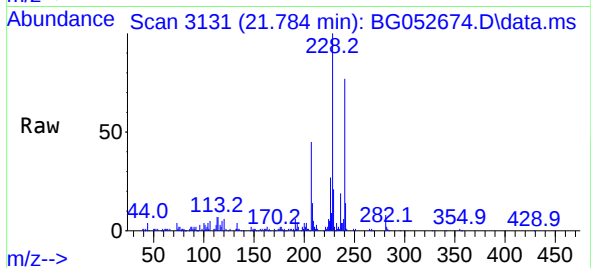
Tgt Ion:149 Resp: 25324
 Ion Ratio Lower Upper
 149 100
 91 77.1 60.2 90.4
 206 27.8 19.4 29.2





#81
Benzo(a)anthracene
Concen: 4.645 ng
RT: 21.784 min Scan# 3132
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

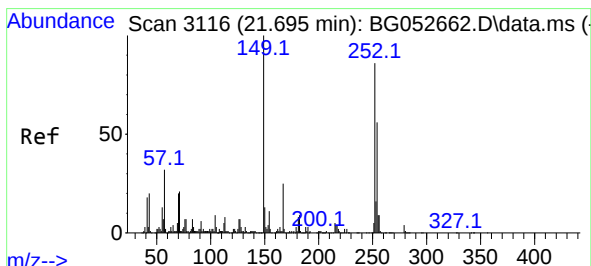
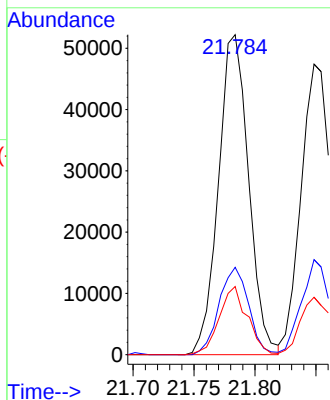
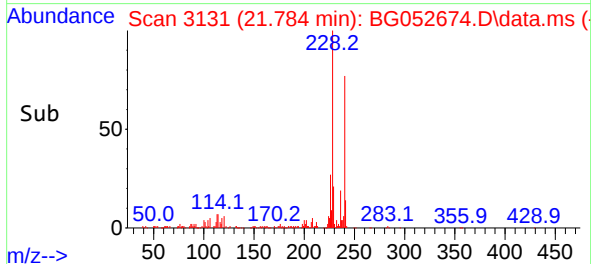
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 9007
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 21.3 16.7 25.1

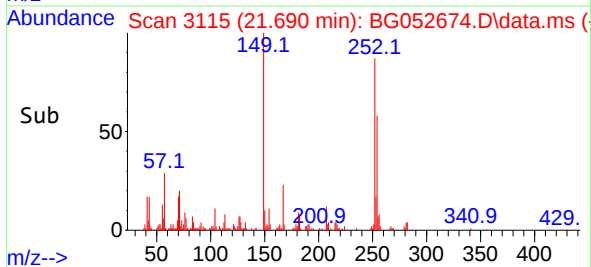
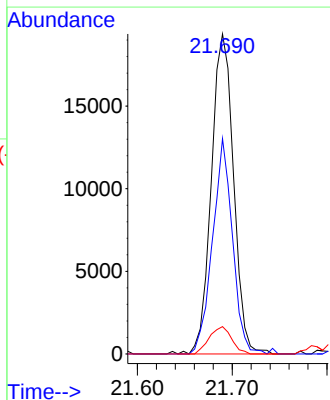
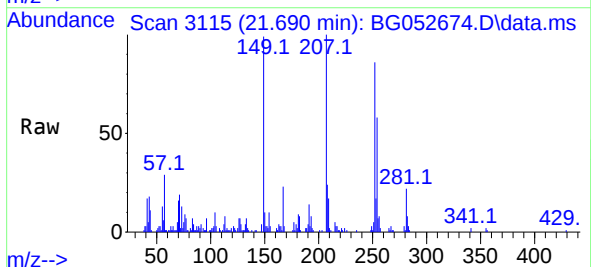
Manual Integrations
APPROVED

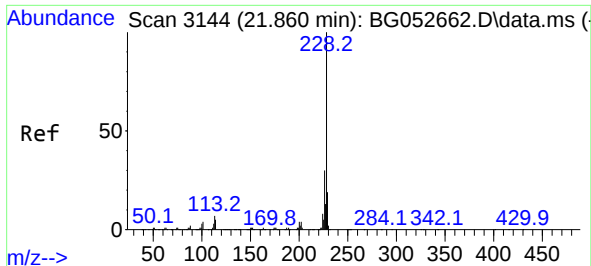
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 4.609 ng
RT: 21.690 min Scan# 3115
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

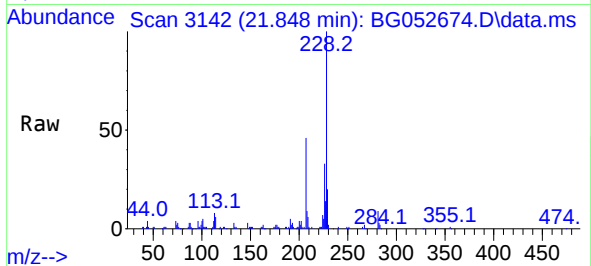
Tgt Ion:252 Resp: 31564
Ion Ratio Lower Upper
252 100
254 67.3 51.2 76.8
126 8.5 5.8 8.8





#83
Chrysene
Concen: 4.461 ng
RT: 21.848 min Scan# 3144
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

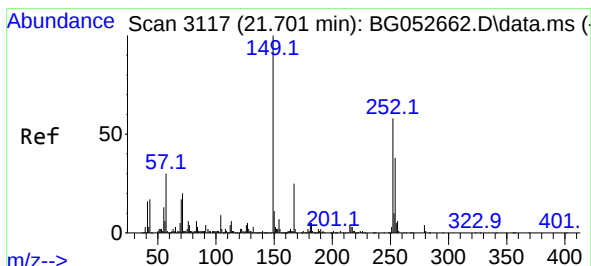
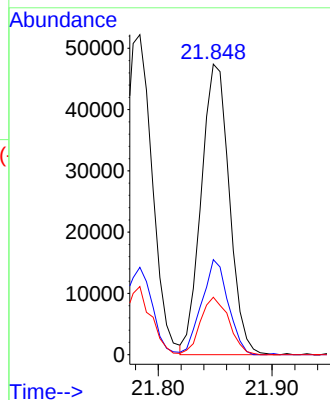
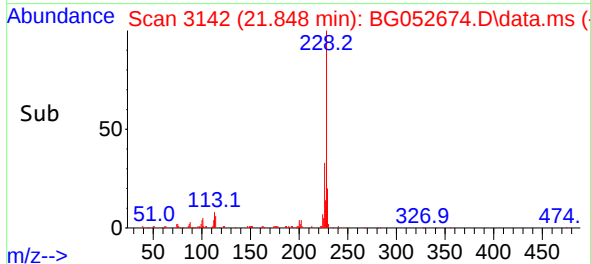
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 81325
Ion Ratio Lower Upper
228 100
226 32.7 24.2 36.4
229 19.8 16.3 24.5

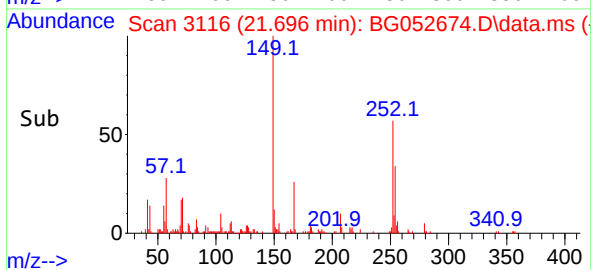
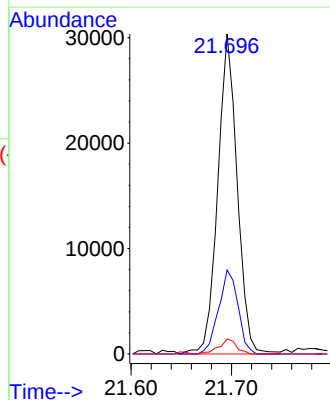
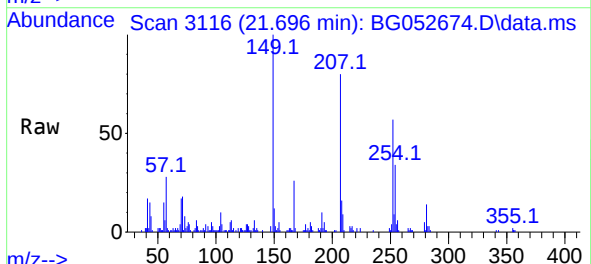
Manual Integrations
APPROVED

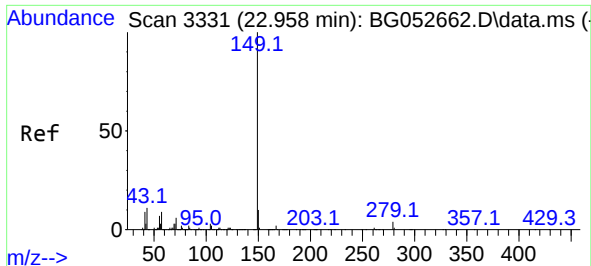
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.211 ng
RT: 21.696 min Scan# 3116
Delta R.T. -0.005 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

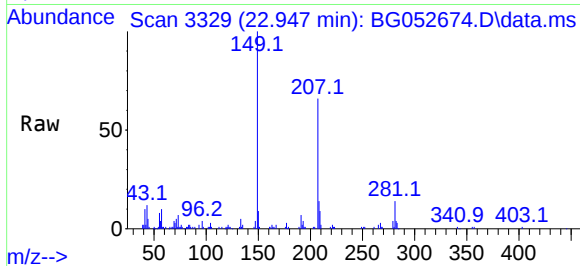
Tgt Ion:149 Resp: 40814
Ion Ratio Lower Upper
149 100
167 26.2 21.4 32.2
279 4.7 3.8 5.8





#85
Di-n-octyl phthalate
Concen: 3.764 ng
RT: 22.947 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

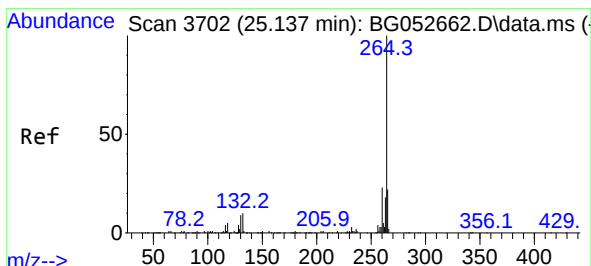
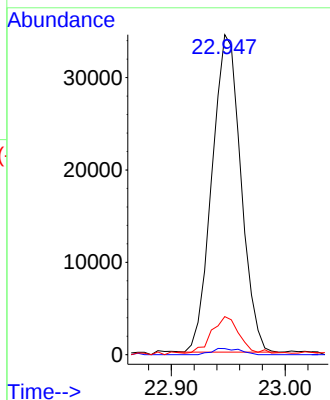
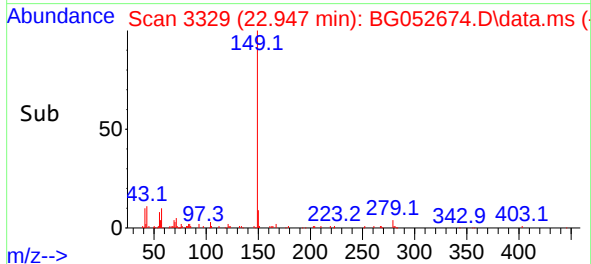
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



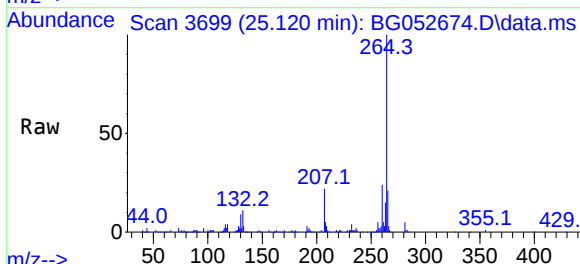
Tgt Ion:149 Resp: 6072
Ion Ratio Lower Upper
149 100
167 2.0 1.2 1.8
43 12.8 7.6 11.4

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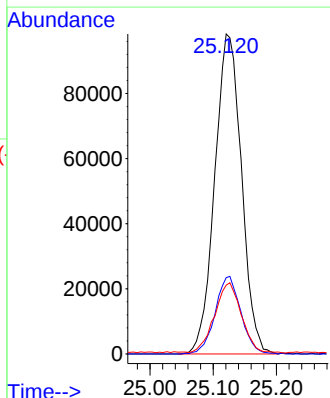
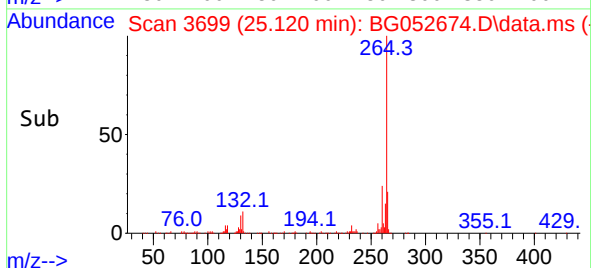
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

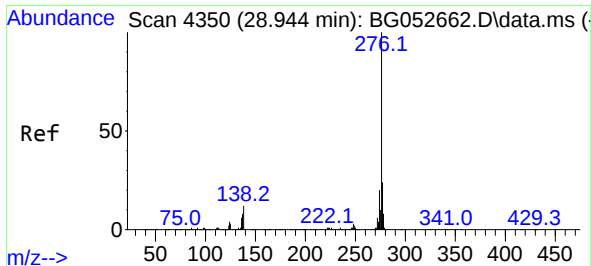


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.120 min Scan# 3699
Delta R.T. -0.017 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



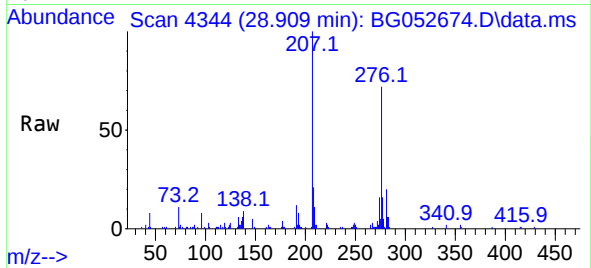
Tgt Ion:264 Resp: 288811
Ion Ratio Lower Upper
264 100
260 23.9 18.2 27.2
265 21.5 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.383 ng
RT: 28.909 min Scan# 41
Delta R.T. -0.035 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

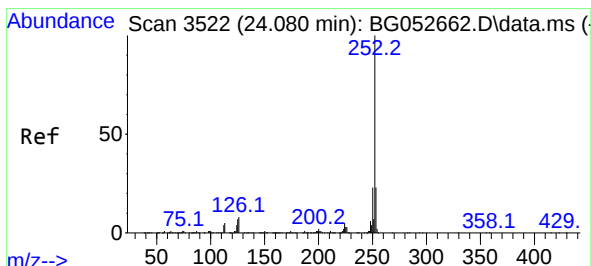
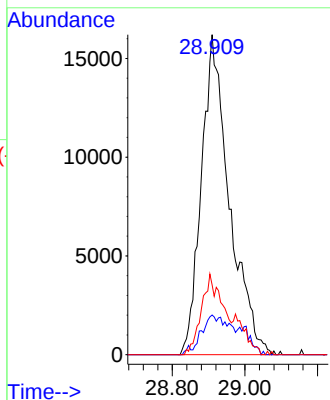
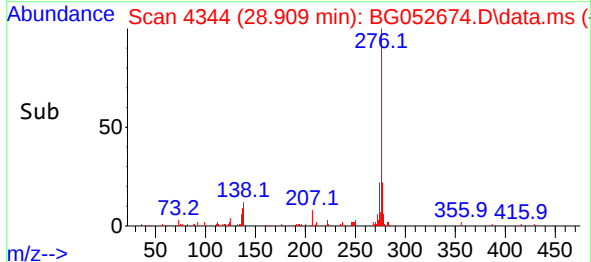
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



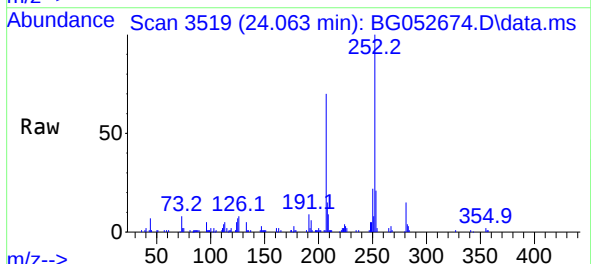
Tgt Ion:276 Resp: 8663
Ion Ratio Lower Upper
276 100
138 10.0 8.7 13.1
277 19.3 20.2 30.4

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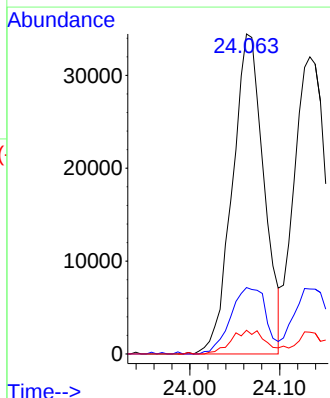
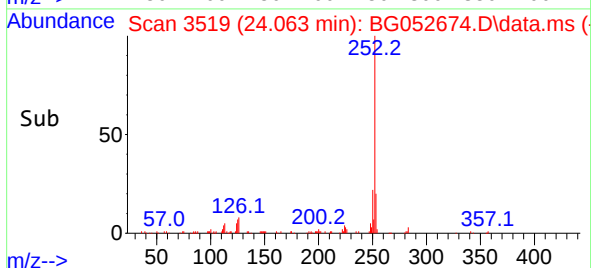
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

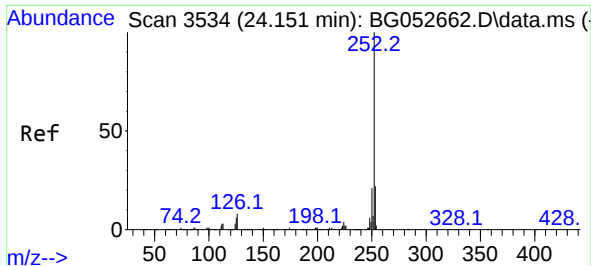


#88
Benzo(b)fluoranthene
Concen: 4.681 ng
RT: 24.063 min Scan# 3519
Delta R.T. -0.017 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01



Tgt Ion:252 Resp: 83949
Ion Ratio Lower Upper
252 100
253 20.7 17.2 25.8
125 7.4 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 4.671 ng

RT: 24.133 min Scan# 3

Delta R.T. -0.017 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2022

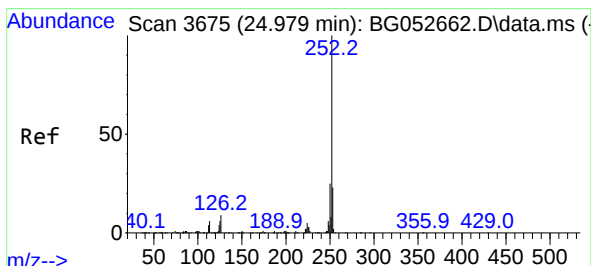
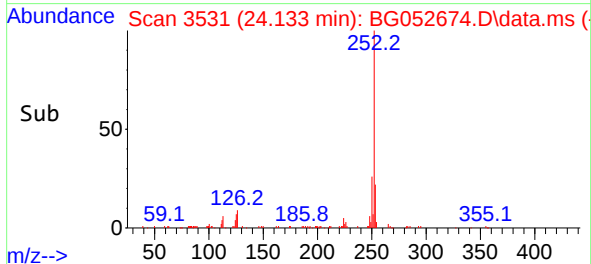
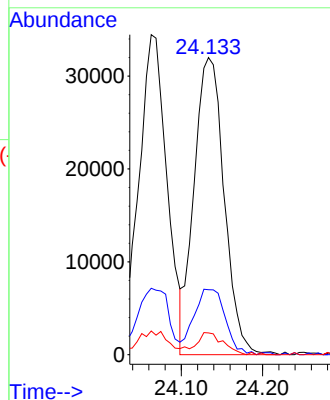
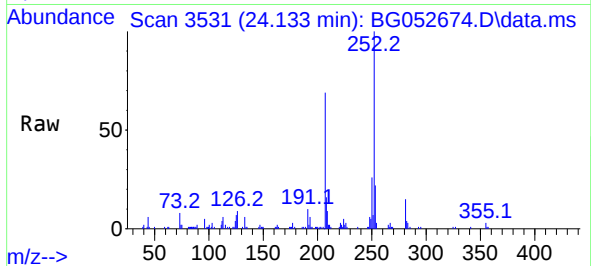
Tgt Ion:252	Resp:	82419
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.4 26.0
125	7.3	5.0 7.4

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: 5.206 ng

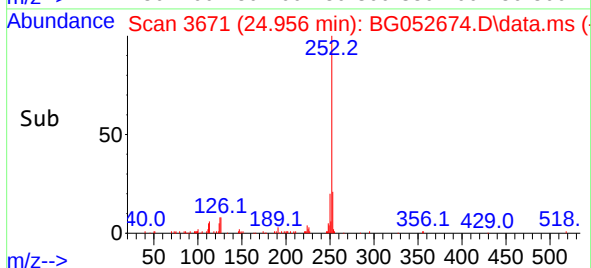
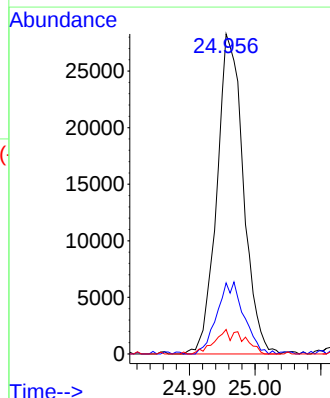
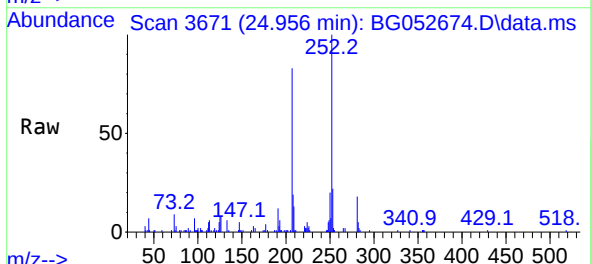
RT: 24.956 min Scan# 3671

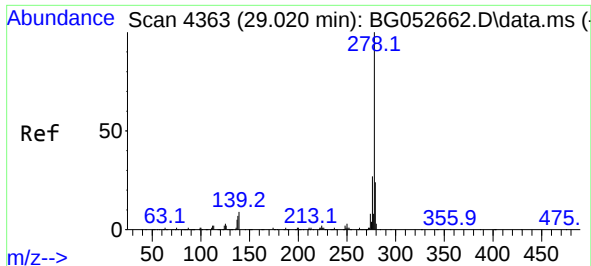
Delta R.T. -0.023 min

Lab File: BG052674.D

Acq: 16 Mar 2022 11:01

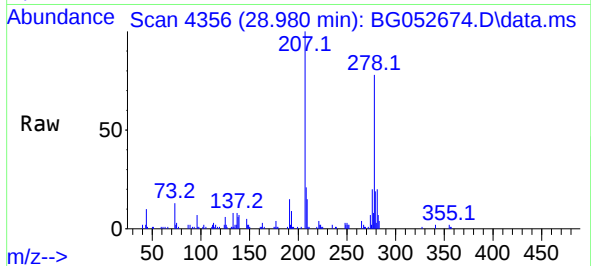
Tgt Ion:252	Resp:	79026
Ion Ratio	Lower	Upper
252	100	
253	22.2	18.4 27.6
125	7.6	5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 4.595 ng
RT: 28.980 min Scan# 41
Delta R.T. -0.041 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

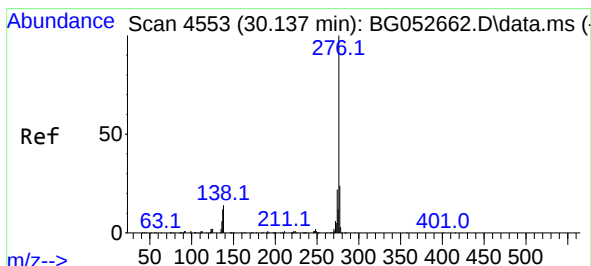
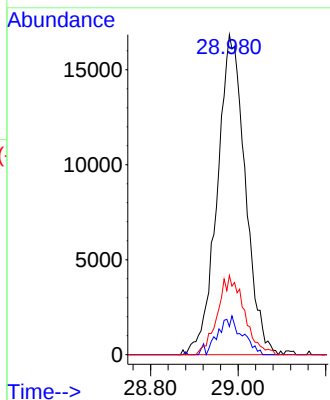
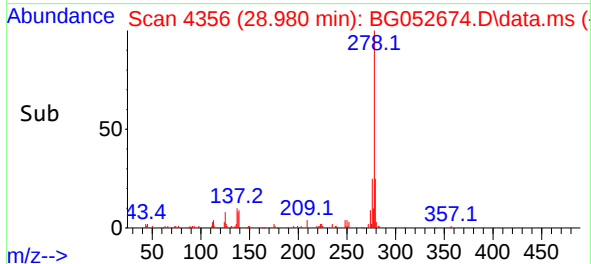
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:278 Resp: 7484
Ion Ratio Lower Upper
278 100
139 8.8 7.8 11.6
279 24.7 18.5 27.7

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.604 ng
RT: 30.096 min Scan# 4546
Delta R.T. -0.041 min
Lab File: BG052674.D
Acq: 16 Mar 2022 11:01

Tgt Ion:276 Resp: 74202
Ion Ratio Lower Upper
276 100
277 23.4 18.2 27.2
138 14.3 9.1 13.7#

