

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
 Data File : BG055224.D
 Acq On : 20 Oct 2022 17:51
 Operator : CG/JU
 Sample : N5183-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/21/2022
 Supervised By : Jagrut Upadhyay 10/21/2022

Quant Time: Oct 20 18:27:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 20 09:21:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.285	152	49998	20.000	ng	0.00
21) Naphthalene-d8	11.117	136	215308	20.000	ng	0.00
39) Acenaphthene-d10	14.901	164	129034	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	265353	20.000	ng	0.00
76) Chrysene-d12	21.916	240	226290	20.000	ng	0.00
86) Perylene-d12	25.318	264	239304	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.812	112	439956	158.315	ng	0.00
7) Phenol-d6	7.427	99	543965	128.458	ng	0.00
23) Nitrobenzene-d5	9.460	82	402350	90.217	ng	0.00
42) 2,4,6-Tribromophenol	16.376	330	189198	141.504	ng	0.00
45) 2-Fluorobiphenyl	13.526	172	752081	93.100	ng	0.00
79) Terphenyl-d14	20.206	244	1029110	84.738	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.632	88	57528	42.568	ng	# 27
3) Pyridine	4.055	79	135927	31.941	ng	99
4) n-Nitrosodimethylamine	3.955	42	85589	42.980	ng	98
6) Aniline	7.604	93	117856	21.468	ng	99
8) 2-Chlorophenol	7.844	128	165742	49.329	ng	100
9) Benzaldehyde	7.410	77	95926	32.588	ng	98
10) Phenol	7.457	94	197869	41.360	ng	97
11) bis(2-Chloroethyl)ether	7.692	93	172570	46.850	ng	98
12) 1,3-Dichlorobenzene	8.173	146	167659	46.000	ng	99
13) 1,4-Dichlorobenzene	8.326	146	168754	45.326	ng	99
14) 1,2-Dichlorobenzene	8.649	146	166411	46.909	ng	97
15) Benzyl Alcohol	8.520	79	162313m	44.631	ng	
16) 2,2'-oxybis(1-Chloropr...	8.808	45	292715	44.094	ng	99
17) 2-Methylphenol	8.720	107	147371	44.503	ng	96
18) Hexachloroethane	9.384	117	63047	46.784	ng	97
19) n-Nitroso-di-n-propyla...	9.090	70	148218	40.810	ng	98
20) 3+4-Methylphenols	9.049	107	198798	42.711	ng	99
22) Acetophenone	9.114	105	266038	45.680	ng	99
24) Nitrobenzene	9.501	77	210204	44.079	ng	99
25) Isophorone	10.024	82	393031	43.074	ng	99
26) 2-Nitrophenol	10.218	139	92645	49.386	ng	100
27) 2,4-Dimethylphenol	10.265	122	162294	54.327	ng	98
28) bis(2-Chloroethoxy)met...	10.500	93	230759	52.630	ng	99
29) 2,4-Dichlorophenol	10.753	162	150801	47.279	ng	99
30) 1,2,4-Trichlorobenzene	10.976	180	149350	45.733	ng	99
31) Naphthalene	11.170	128	556373	48.972	ng	99
32) Benzoic acid	10.389	122	59494	27.822	ng	94
33) 4-Chloroaniline	11.270	127	29803	6.370	ng	98
34) Hexachlorobutadiene	11.446	225	85929	43.575	ng	98
35) Caprolactam	12.034	113	42692m	30.457	ng	
36) 4-Chloro-3-methylphenol	12.369	107	173264	41.777	ng	99
37) 2-Methylnaphthalene	12.750	142	357954	41.422	ng	100
38) 1-Methylnaphthalene	12.968	142	342090	40.099	ng	100
40) 1,2,4,5-Tetrachloroben...	13.109	216	157221	51.837	ng	99
41) Hexachlorocyclopentadiene	13.085	237	134268	97.209	ng	98
43) 2,4,6-Trichlorophenol	13.338	196	109934	47.623	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
 Data File : BG055224.D
 Acq On : 20 Oct 2022 17:51
 Operator : CG/JU
 Sample : N5183-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/21/2022
 Supervised By : Jagrut Upadhyay 10/21/2022

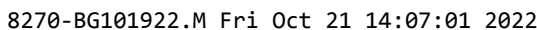
Quant Time: Oct 20 18:27:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 20 09:21:42 2022
 Response via : Initial Calibration

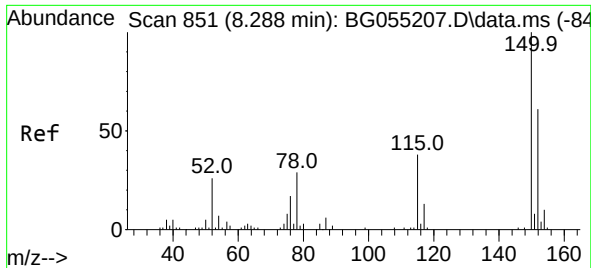
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.414	196	117747	46.494	ng	96
46) 1,1'-Biphenyl	13.738	154	457833	50.109	ng	99
47) 2-Chloronaphthalene	13.785	162	344009	48.905	ng	98
48) 2-Nitroaniline	13.978	65	128287	44.941	ng	98
49) Acenaphthylene	14.625	152	566506	47.077	ng	99
50) Dimethylphthalate	14.343	163	427859	42.155	ng	99
51) 2,6-Dinitrotoluene	14.460	165	92910	45.621	ng	93
52) Acenaphthene	14.966	154	373512	48.751	ng	99
53) 3-Nitroaniline	14.795	138	53121	20.940	ng	98
54) 2,4-Dinitrophenol	15.001	184	70389	68.559	ng	98
55) Dibenzofuran	15.295	168	517583	46.900	ng	99
56) 4-Nitrophenol	15.089	139	156732	87.868	ng	100
57) 2,4-Dinitrotoluene	15.248	165	129181	45.365	ng	97
58) Fluorene	15.941	166	417485	44.921	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.512	232	96795	43.889	ng	99
60) Diethylphthalate	15.688	149	443787	41.795	ng	99
61) 4-Chlorophenyl-phenylether	15.923	204	197448	45.772	ng	99
62) 4-Nitroaniline	15.953	138	101164	39.313	ng	99
63) Azobenzene	16.211	77	477059	44.454	ng	99
65) 4,6-Dinitro-2-methylph...	16.005	198	52425	36.986	ng	98
66) n-Nitrosodiphenylamine	16.135	169	359369	48.526	ng	100
67) 4-Bromophenyl-phenylether	16.810	248	123444	47.729	ng	98
68) Hexachlorobenzene	16.940	284	136539	48.236	ng	96
69) Atrazine	17.069	200	130967	53.656	ng	99
70) Pentachlorophenol	17.280	266	145591	95.303	ng	96
71) Phenanthrene	17.674	178	645762	45.606	ng	100
72) Anthracene	17.762	178	650345	47.001	ng	100
73) Carbazole	18.027	167	618361	48.529	ng	100
74) Di-n-butylphthalate	18.561	149	786463	47.321	ng	100
75) Fluoranthene	19.660	202	711099	45.337	ng	99
77) Benzidine	19.830	184	185272	32.196	ng	99
78) Pyrene	20.024	202	721328	42.304	ng	99
80) Butylbenzylphthalate	20.882	149	351234	44.070	ng	98
81) Benzo(a)anthracene	21.893	228	659885	44.957	ng	99
82) 3,3'-Dichlorobenzidine	21.793	252	112788	22.379	ng	98
83) Chrysene	21.963	228	614711	44.970	ng	98
84) Bis(2-ethylhexyl)phtha...	21.769	149	510284	48.934	ng	98
85) Di-n-octyl phthalate	23.038	149	851297	54.755	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.249	276	775947	46.620	ng	# 86
88) Benzo(b)fluoranthene	24.237	252	696648	49.023	ng	# 96
89) Benzo(k)fluoranthene	24.308	252	664979	46.205	ng	# 96
90) Benzo(a)pyrene	25.159	252	606862	49.754	ng	# 95
91) Dibenzo(a,h)anthracene	29.313	278	661950	48.545	ng	# 93
92) Benzo(g,h,i)perylene	30.489	276	652989	49.434	ng	# 89

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

Manual Integrations

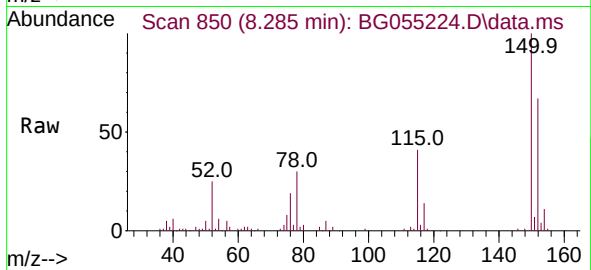
Quant Time: Oct 20 18:27:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 20 09:21:42 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.285 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

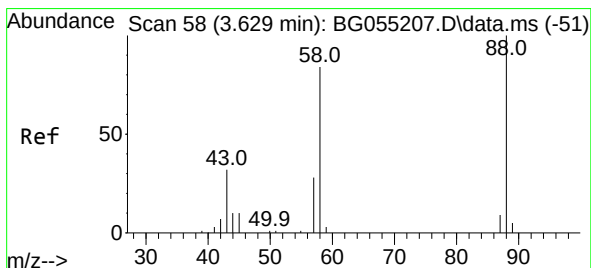
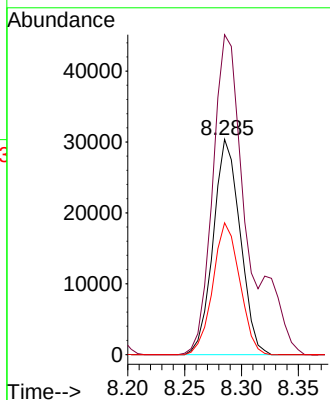
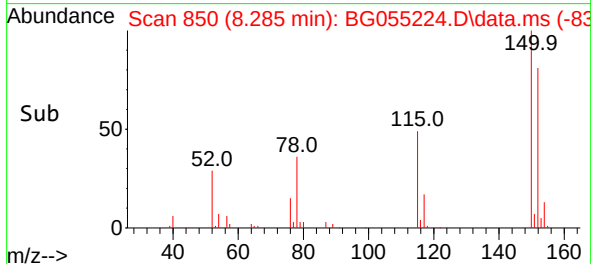
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD



Tgt Ion:152 Resp: 49998
 Ion Ratio Lower Upper
 152 100
 150 148.7 130.2 195.2
 115 61.2 50.0 75.0

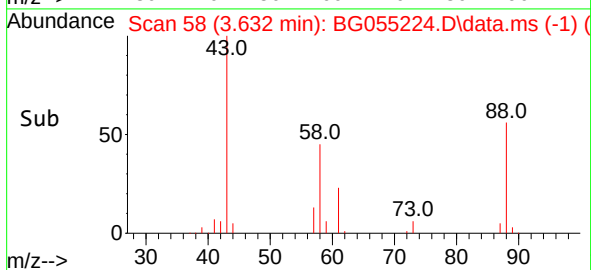
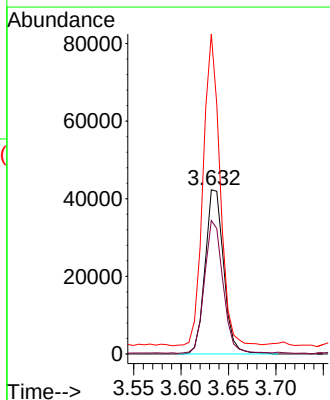
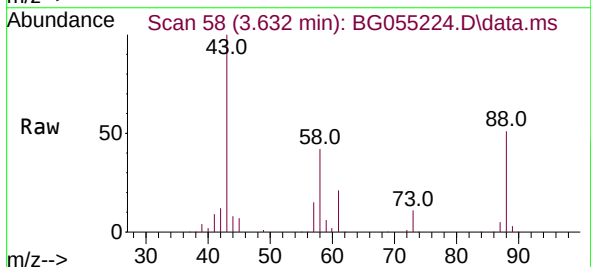
Manual Integrations
 APPROVED

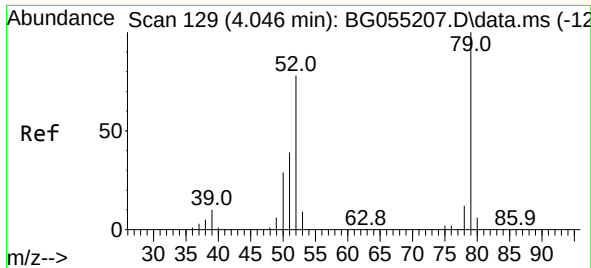
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#2
 1,4-Dioxane
 Concen: 42.568 ng
 RT: 3.632 min Scan# 58
 Delta R.T. 0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

Tgt Ion: 88 Resp: 57528
 Ion Ratio Lower Upper
 88 100
 58 80.4 63.9 95.9
 43 173.2 26.0 39.0#





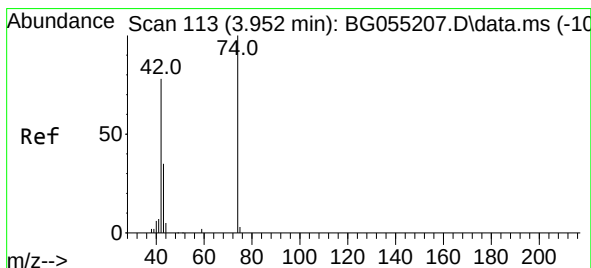
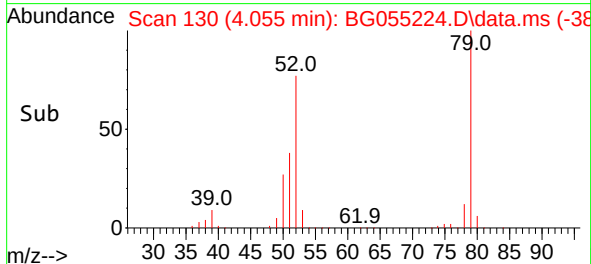
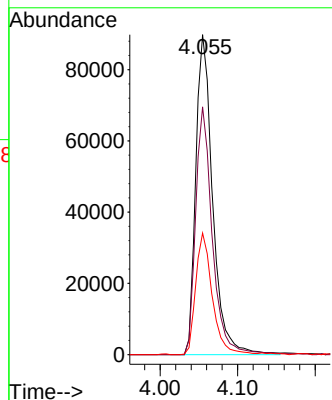
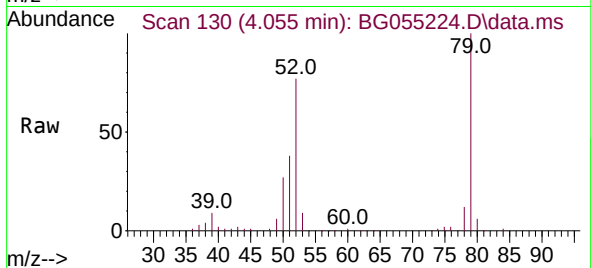
#3
Pyridine
Concen: 31.941 ng
RT: 4.055 min Scan# 130
Delta R.T. 0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion: 79 Resp: 135927
Ion Ratio Lower Upper
79 100
52 77.4 62.7 94.1
51 38.0 31.4 47.0

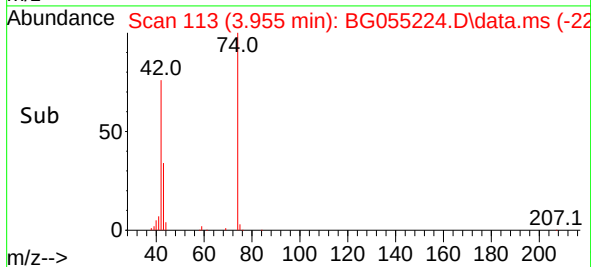
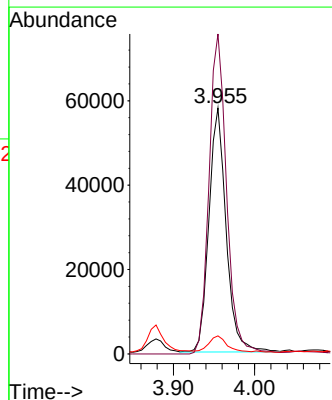
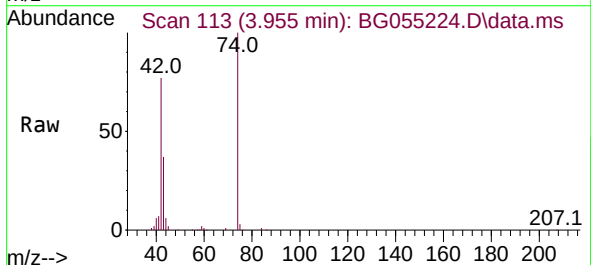
Manual Integrations
APPROVED

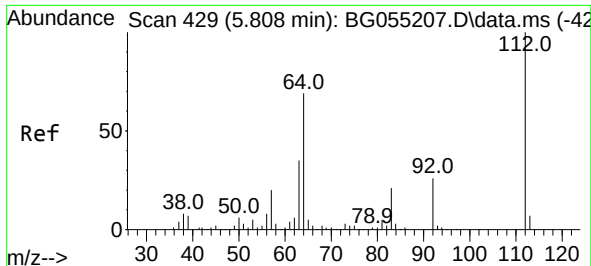
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#4
n-Nitrosodimethylamine
Concen: 42.980 ng
RT: 3.955 min Scan# 113
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion: 42 Resp: 85589
Ion Ratio Lower Upper
42 100
74 130.2 102.7 154.1
44 7.3 5.4 8.2





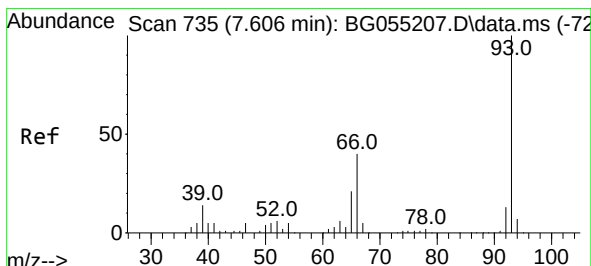
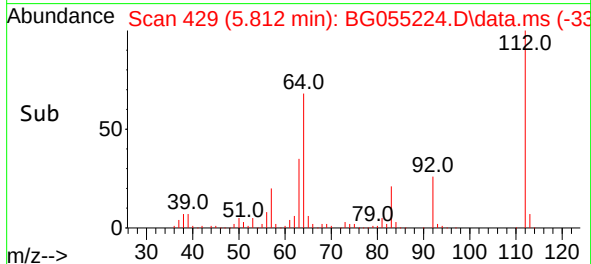
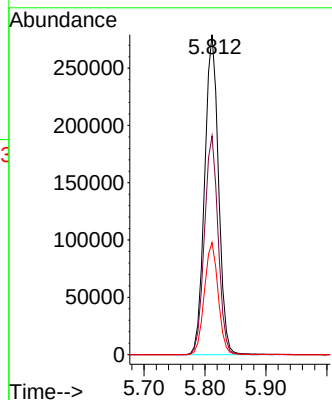
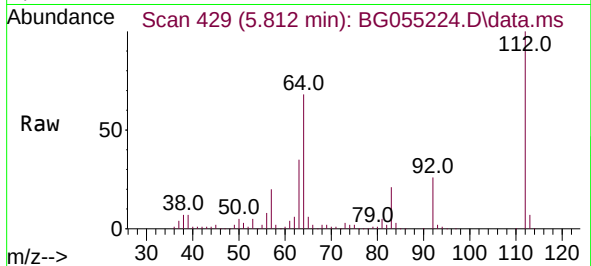
#5
2-Fluorophenol
Concen: 158.315 ng
RT: 5.812 min Scan# 429
Delta R.T. 0.004 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:112 Resp: 439956
Ion Ratio Lower Upper
112 100
64 68.4 55.1 82.7
63 35.0 27.8 41.6

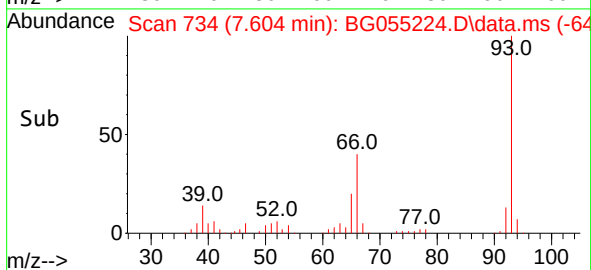
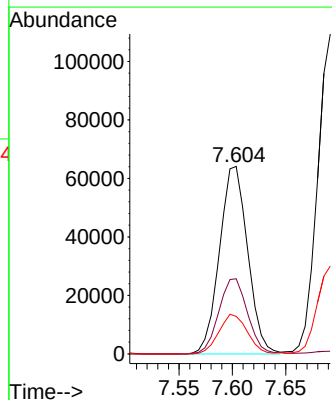
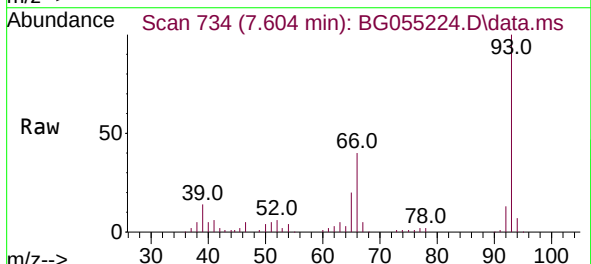
Manual Integrations
APPROVED

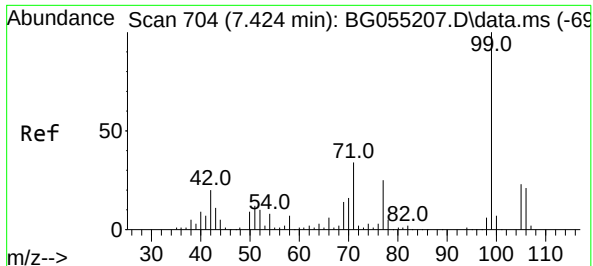
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#6
Aniline
Concen: 21.468 ng
RT: 7.604 min Scan# 734
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

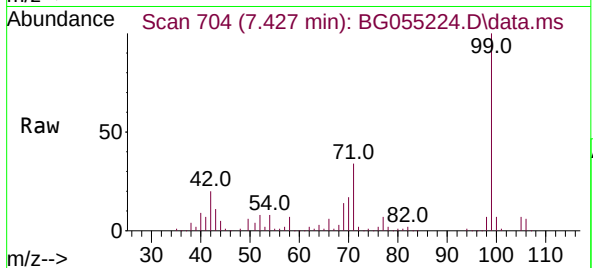
Tgt Ion: 93 Resp: 117856
Ion Ratio Lower Upper
93 100
66 40.1 32.3 48.5
65 20.0 16.9 25.3





#7
Phenol-d6
Concen: 128.458 ng
RT: 7.427 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

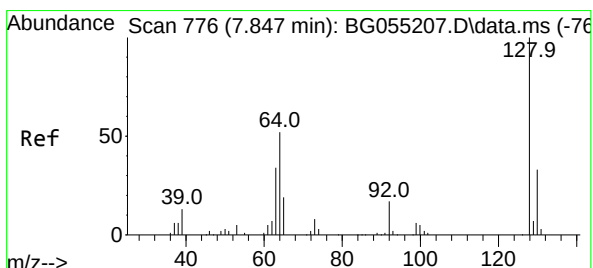
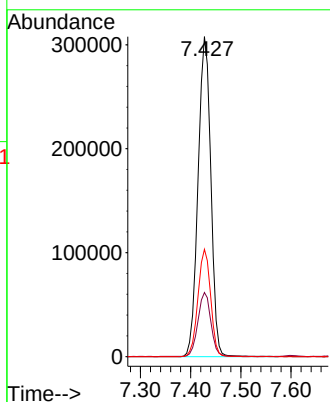
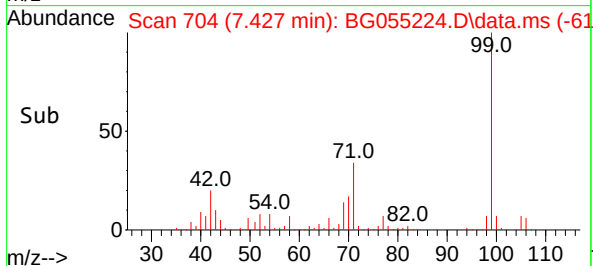
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion: 99 Resp: 543965
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.4
71 33.5 27.3 40.9

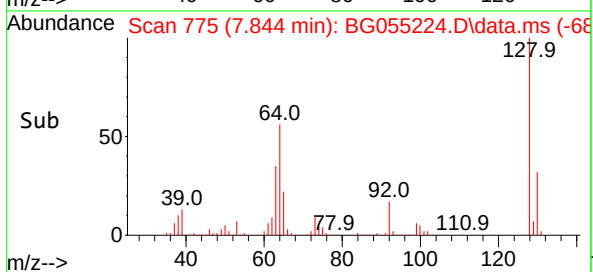
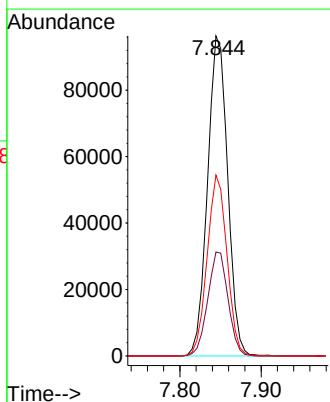
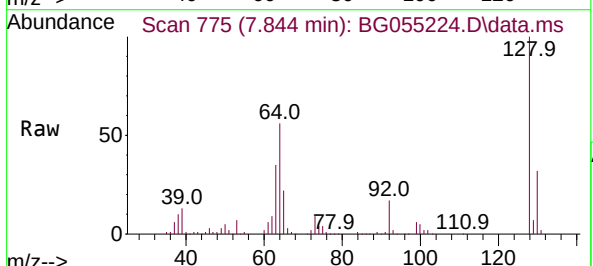
Manual Integrations
APPROVED

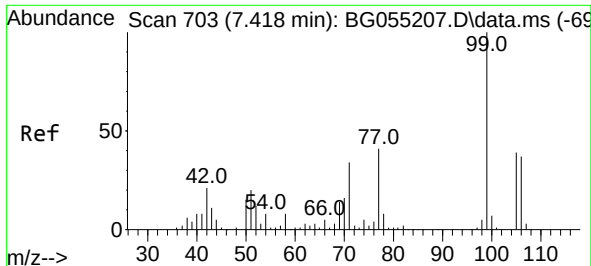
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#8
2-Chlorophenol
Concen: 49.329 ng
RT: 7.844 min Scan# 775
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:128 Resp: 165742
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 56.5 36.2 76.2





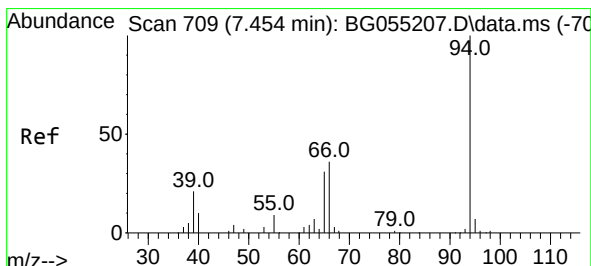
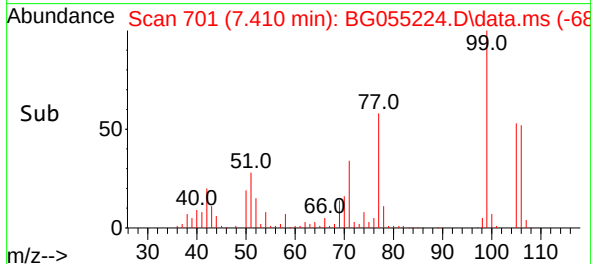
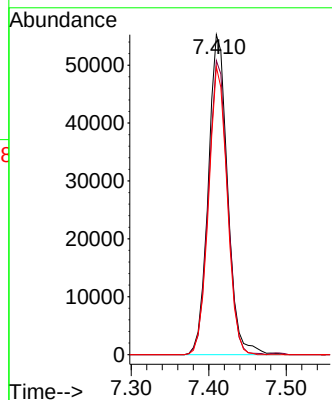
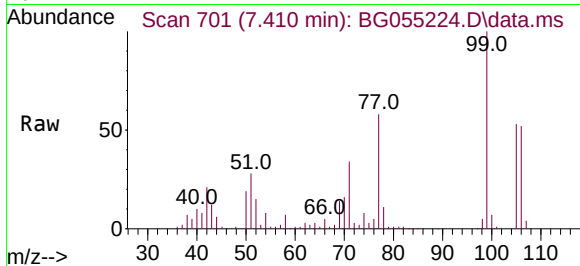
#9
Benzaldehyde
Concen: 32.588 ng
RT: 7.410 min Scan# 703
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion: 77 Resp: 95926
Ion Ratio Lower Upper
77 100
105 91.9 74.9 114.9
106 89.9 69.5 109.5

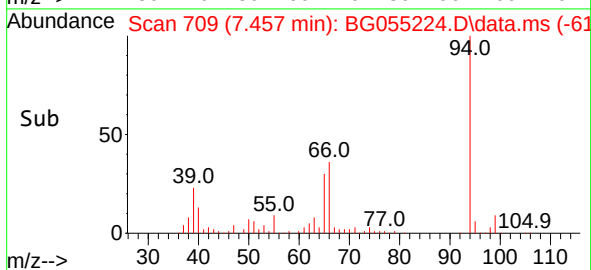
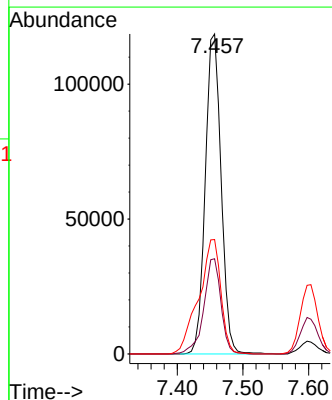
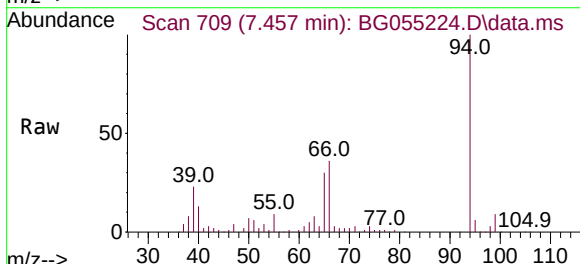
Manual Integrations
APPROVED

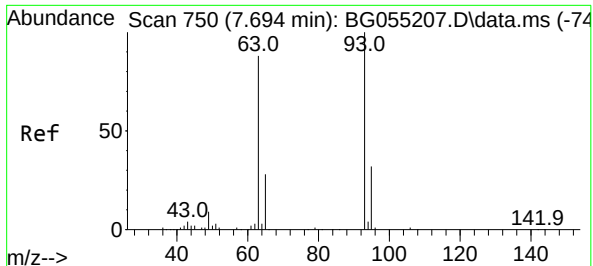
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#10
Phenol
Concen: 41.360 ng
RT: 7.457 min Scan# 709
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

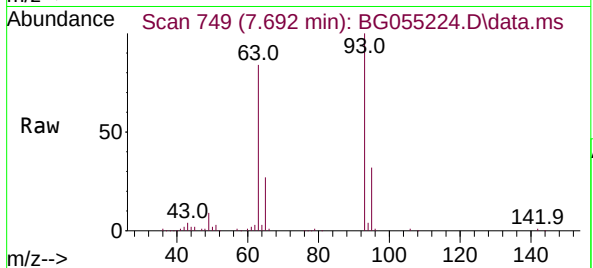
Tgt Ion: 94 Resp: 197869
Ion Ratio Lower Upper
94 100
65 29.7 11.0 51.0
66 35.7 17.4 57.4





#11
bis(2-Chloroethyl)ether
Concen: 46.850 ng
RT: 7.692 min Scan# 749
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

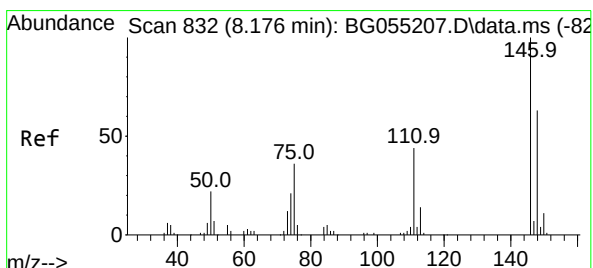
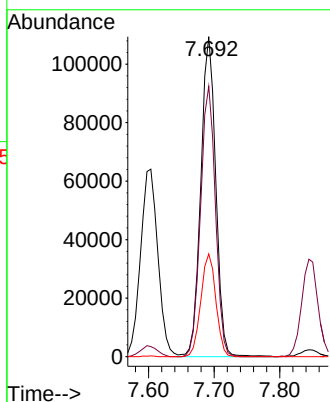
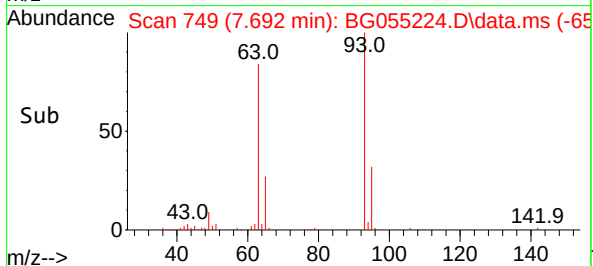
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion: 93 Resp: 172576
Ion Ratio Lower Upper
93 100
63 84.5 67.0 107.0
95 32.1 11.6 51.6

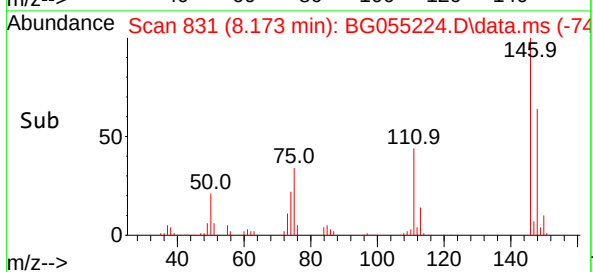
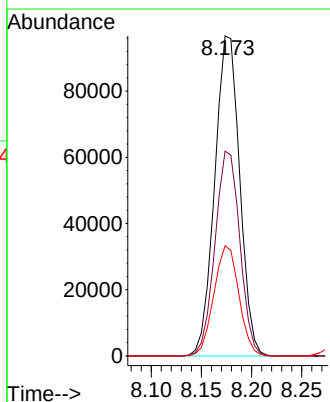
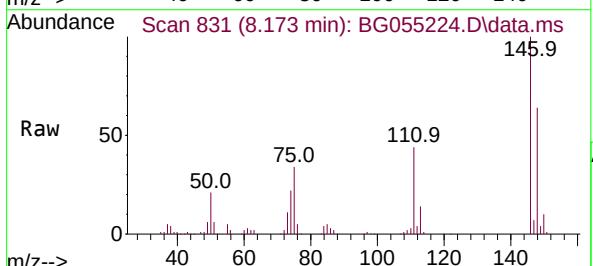
Manual Integrations
APPROVED

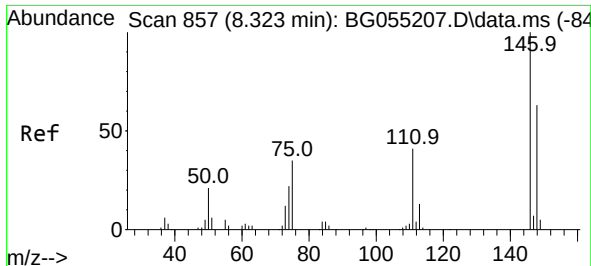
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#12
1,3-Dichlorobenzene
Concen: 46.000 ng
RT: 8.173 min Scan# 831
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:146 Resp: 167659
Ion Ratio Lower Upper
146 100
148 64.0 50.4 75.6
75 34.4 28.4 42.6





#13

1,4-Dichlorobenzene

Concen: 45.326 ng

RT: 8.326 min Scan# 857

Delta R.T. 0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

Instrument :

BNA_G

ClientSampleId :

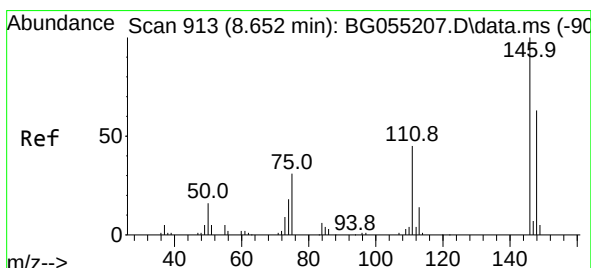
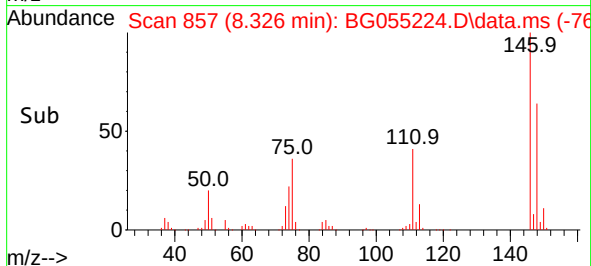
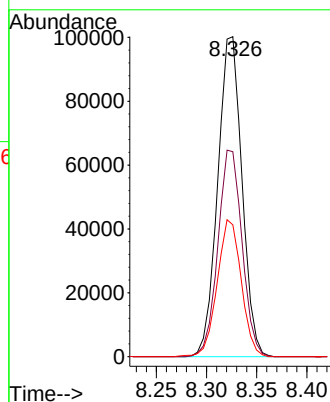
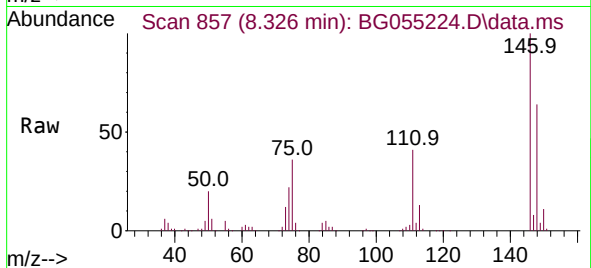
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:146 Resp: 168754
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.4 75.6
 111 41.2 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#14

1,2-Dichlorobenzene

Concen: 46.909 ng

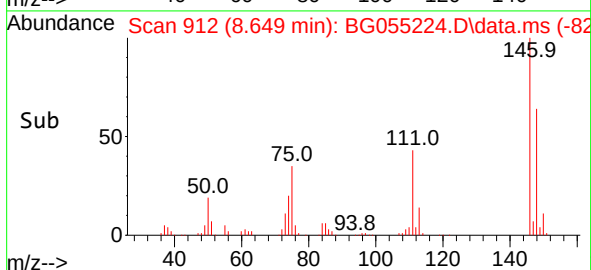
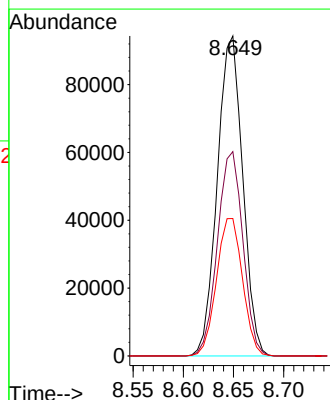
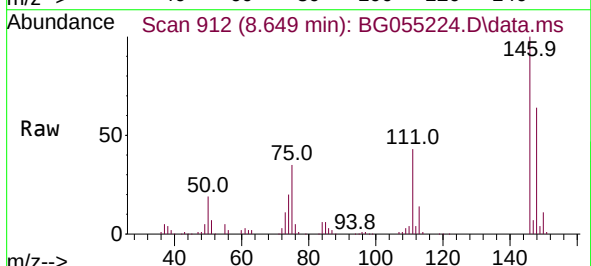
RT: 8.649 min Scan# 912

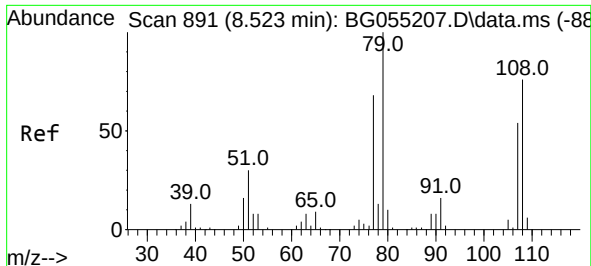
Delta R.T. -0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

Tgt Ion:146 Resp: 166411
 Ion Ratio Lower Upper
 146 100
 148 63.8 50.0 75.0
 111 42.9 36.4 54.6





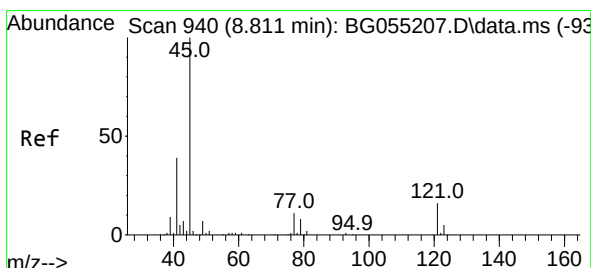
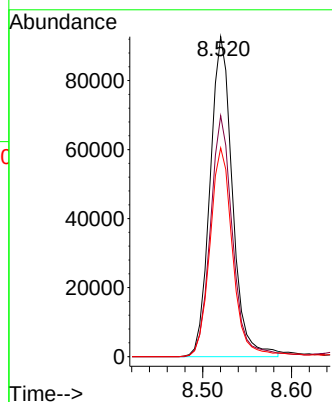
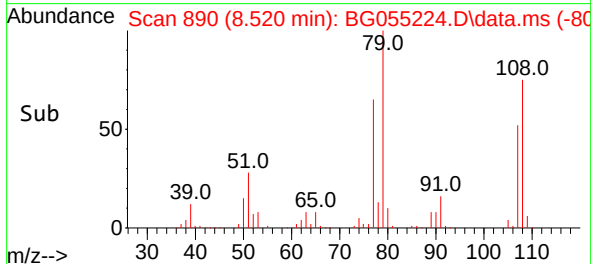
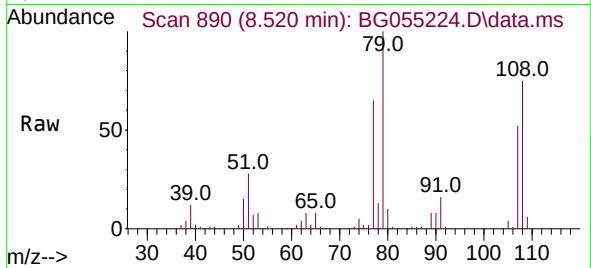
#15
Benzyl Alcohol
Concen: 44.631 ng m
RT: 8.520 min Scan# 891
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion: 79 Resp: 162313
Ion Ratio Lower Upper
79 100
108 75.3 61.0 91.6
77 65.2 54.7 82.1

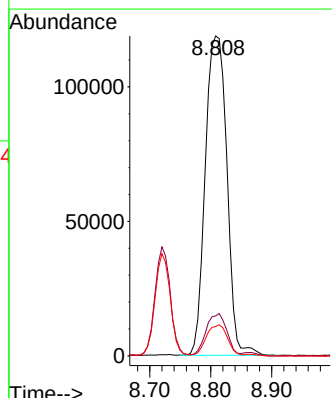
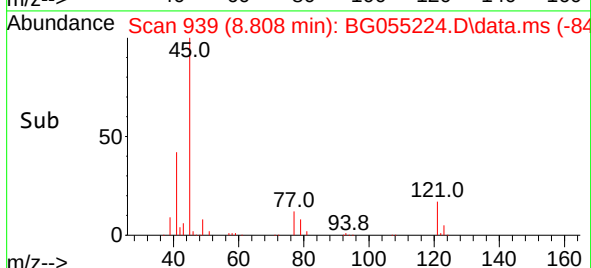
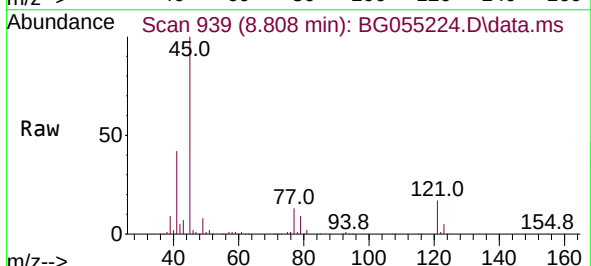
Manual Integrations
APPROVED

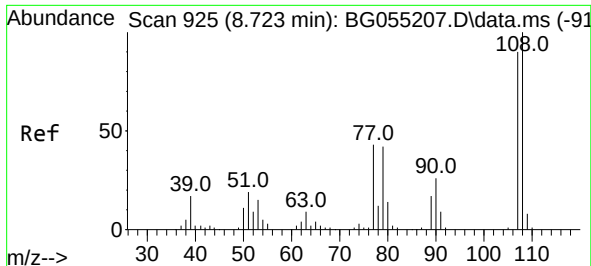
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.094 ng
RT: 8.808 min Scan# 939
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

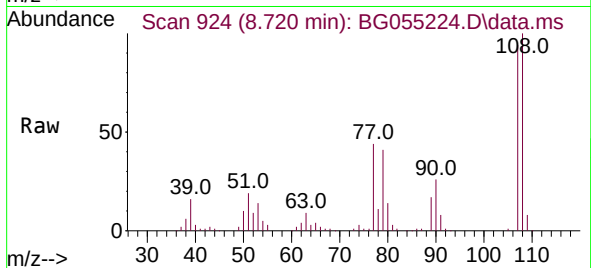
Tgt Ion: 45 Resp: 292715
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.9
79 9.2 0.0 28.8





#17
2-Methylphenol
Concen: 44.503 ng
RT: 8.720 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

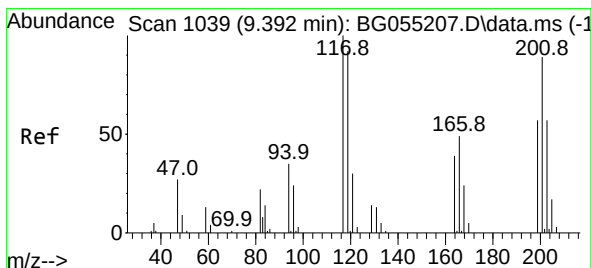
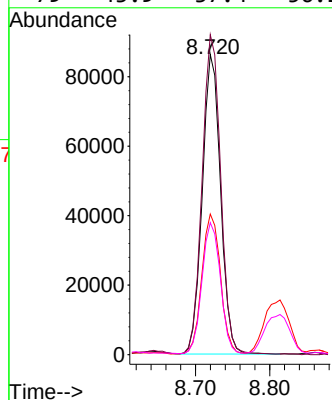
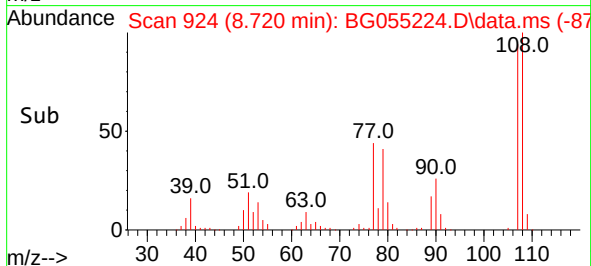
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:107 Resp: 14737
Ion Ratio Lower Upper
107 100
108 106.6 88.8 133.2
77 46.9 38.6 57.8
79 43.9 37.4 56.2

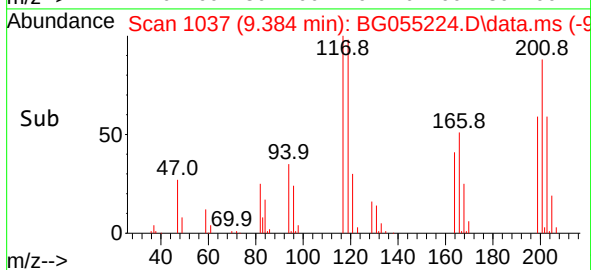
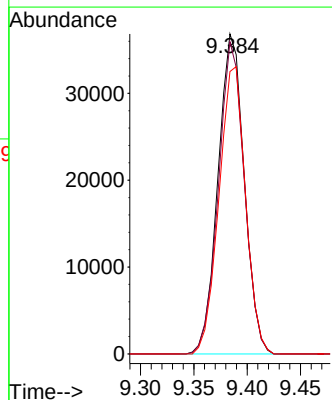
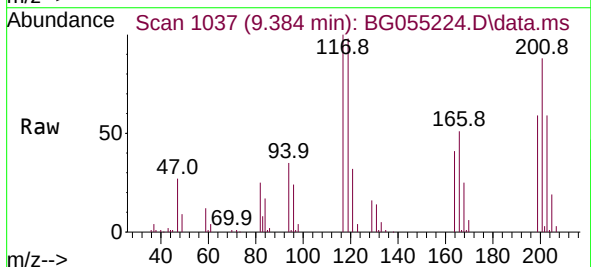
Manual Integrations
APPROVED

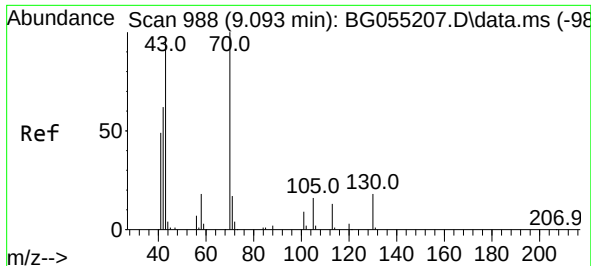
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#18
Hexachloroethane
Concen: 46.784 ng
RT: 9.384 min Scan# 1037
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

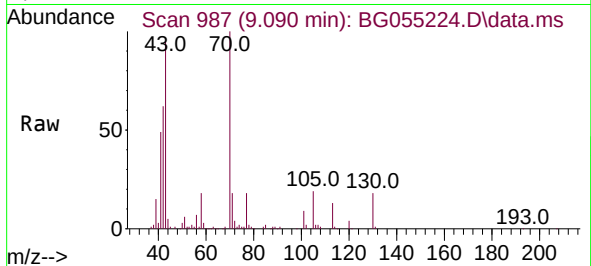
Tgt Ion:117 Resp: 63047
Ion Ratio Lower Upper
117 100
119 97.5 74.0 111.0
201 88.2 71.3 106.9





#19
n-Nitroso-di-n-propylamine
Concen: 40.810 ng
RT: 9.090 min Scan# 988
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

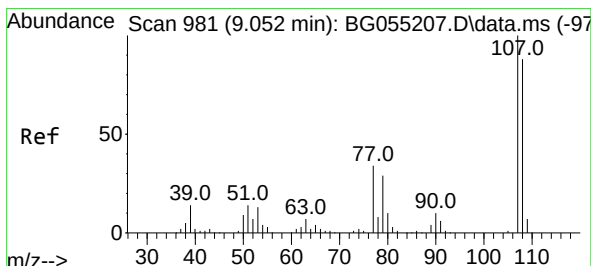
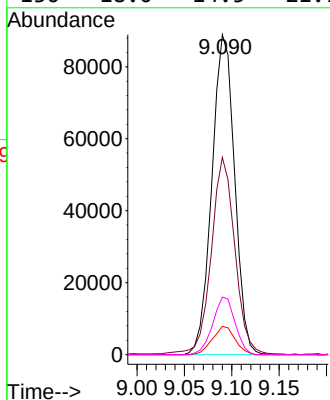
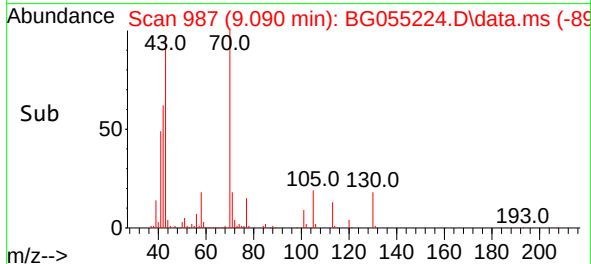
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion: 70 Resp: 148218
Ion Ratio Lower Upper
70 100
42 61.6 50.8 76.2
101 8.8 7.0 10.6
130 18.0 14.5 21.7

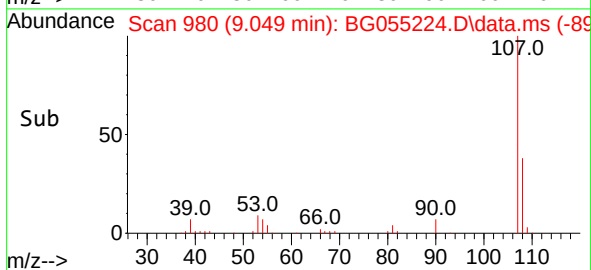
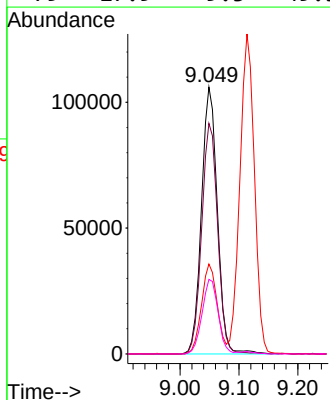
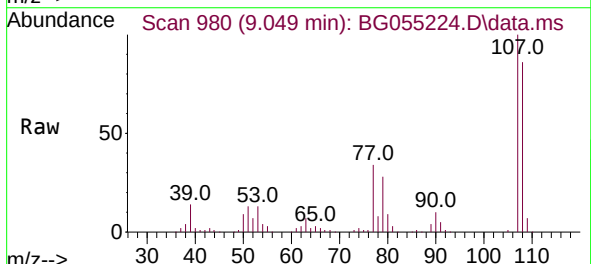
Manual Integrations
APPROVED

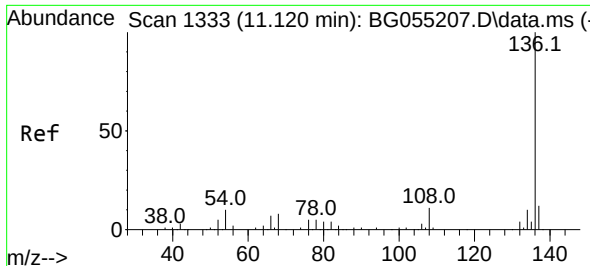
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#20
3+4-Methylphenols
Concen: 42.711 ng
RT: 9.049 min Scan# 980
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

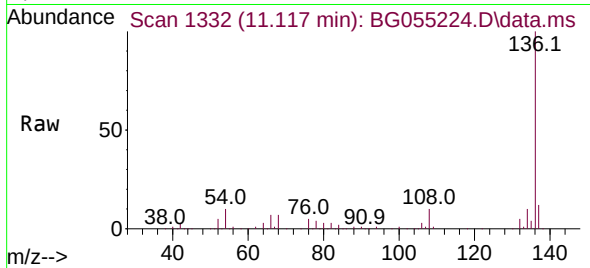
Tgt Ion:107 Resp: 198798
Ion Ratio Lower Upper
107 100
108 86.4 67.5 107.5
77 33.6 14.4 54.4
79 27.9 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.117 min Scan# 1333
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

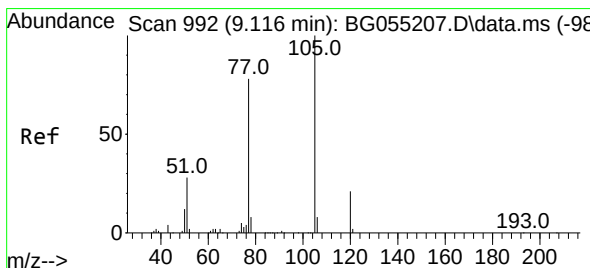
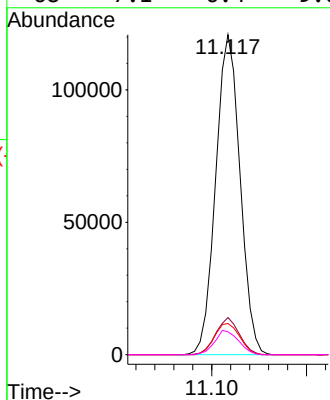
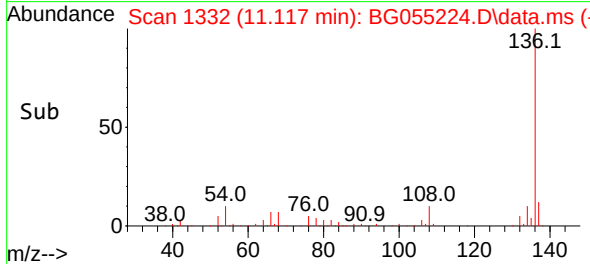
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion:136 Resp: 215308
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 9.7 8.2 12.4
68 7.1 6.4 9.6

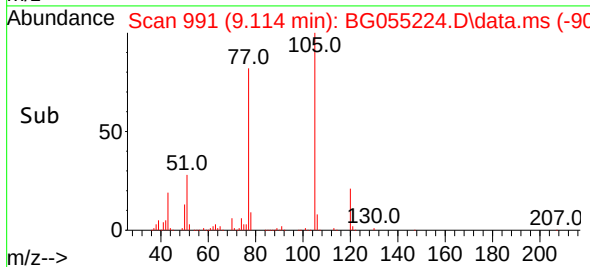
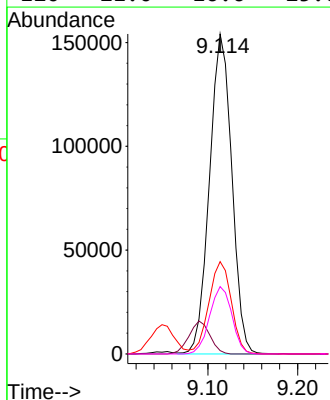
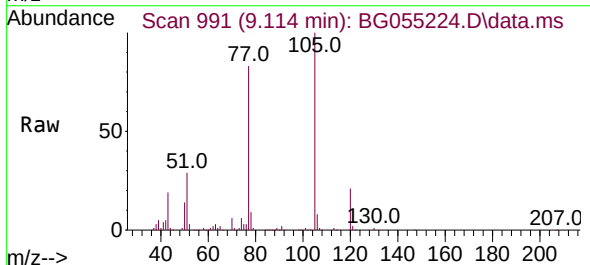
Manual Integrations
APPROVED

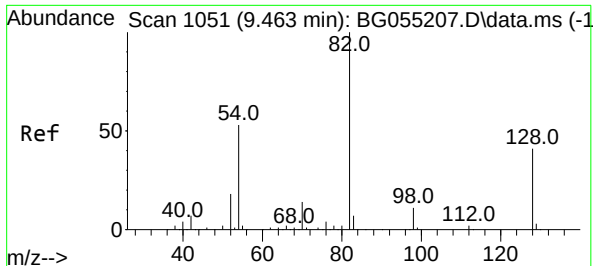
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#22
Acetophenone
Concen: 45.680 ng
RT: 9.114 min Scan# 991
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:105 Resp: 266038
Ion Ratio Lower Upper
105 100
71 1.0 1.0 1.4
51 28.8 24.0 36.0
120 21.0 16.6 25.0





#23

Nitrobenzene-d5

Concen: 90.217 ng

RT: 9.460 min Scan# 1050

Delta R.T. -0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMSD

Tgt Ion: 82 Resp: 402350

Ion Ratio Lower Upper

82 100

128 40.9 32.3 48.5

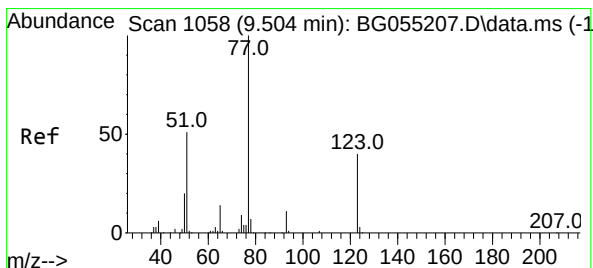
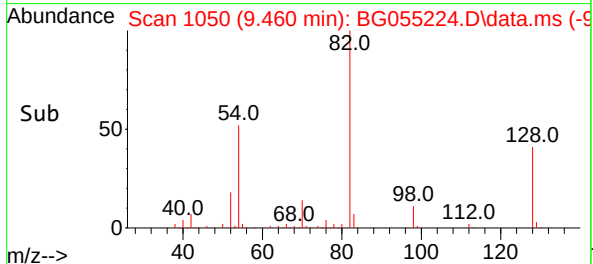
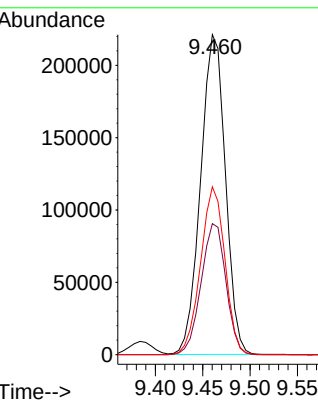
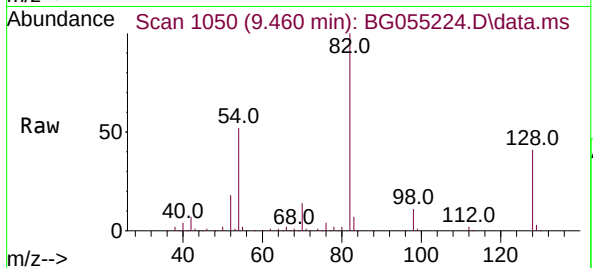
54 52.4 42.6 63.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#24

Nitrobenzene

Concen: 44.079 ng

RT: 9.501 min Scan# 1057

Delta R.T. -0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

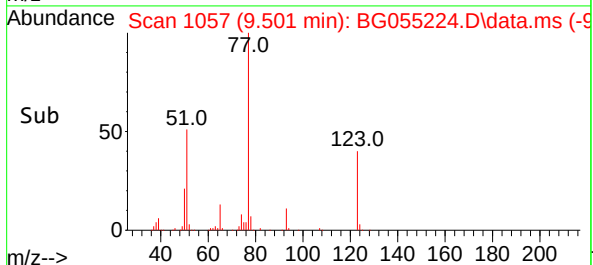
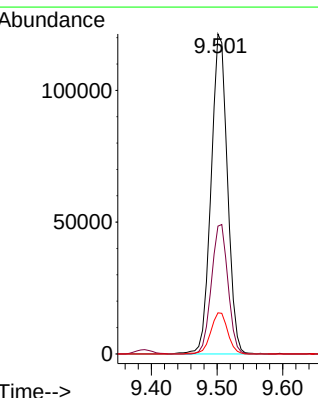
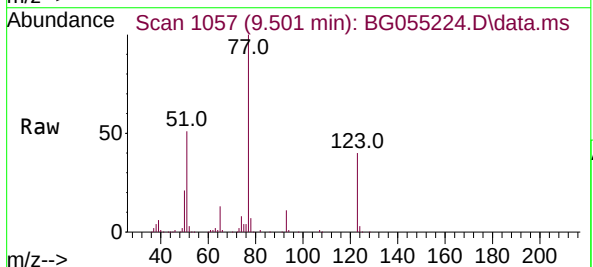
Tgt Ion: 77 Resp: 210204

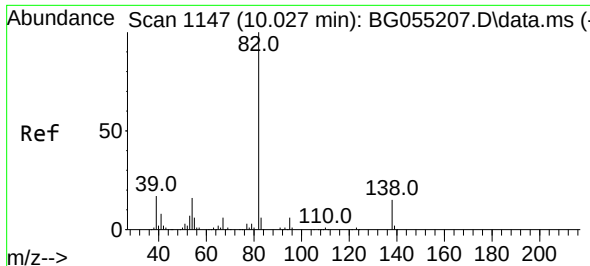
Ion Ratio Lower Upper

77 100

123 39.9 31.8 47.8

65 12.8 11.1 16.7





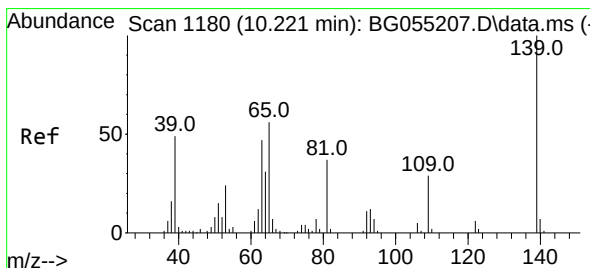
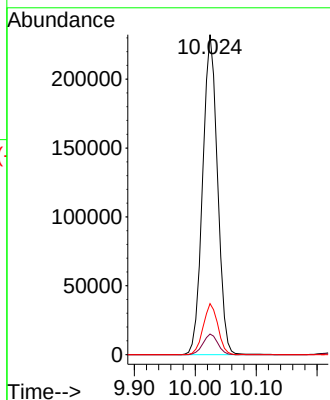
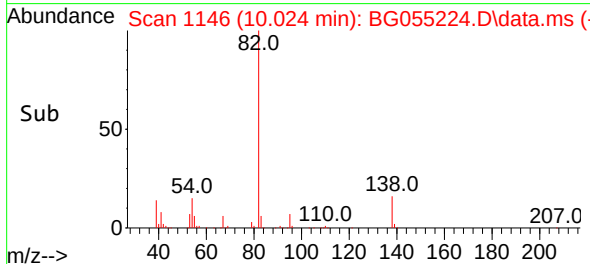
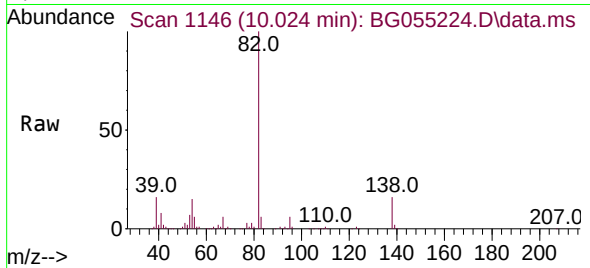
#25
Isophorone
Concen: 43.074 ng
RT: 10.024 min Scan# 1146
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion: 82 Resp: 393031
Ion Ratio Lower Upper
82 100
95 6.4 5.0 7.6
138 15.9 12.2 18.4

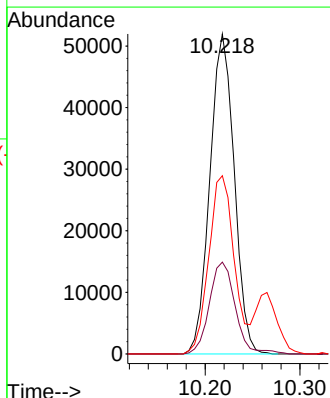
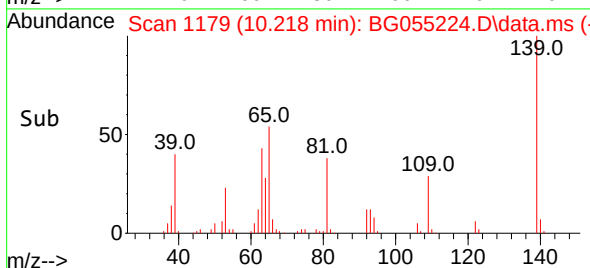
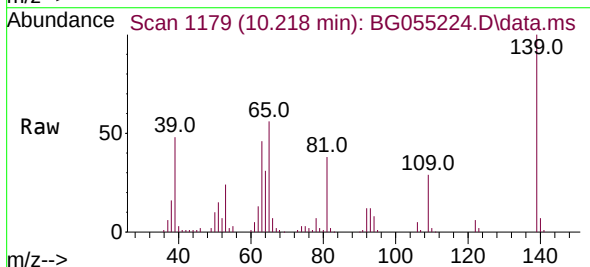
Manual Integrations
APPROVED

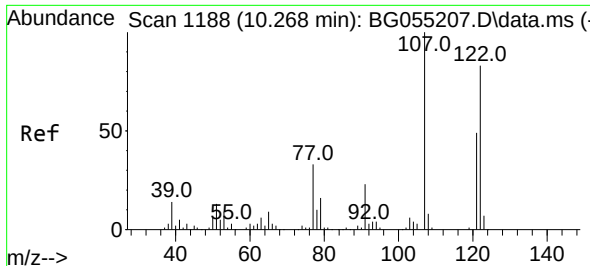
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#26
2-Nitrophenol
Concen: 49.386 ng
RT: 10.218 min Scan# 1179
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:139 Resp: 92645
Ion Ratio Lower Upper
139 100
109 28.7 23.1 34.7
65 55.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 54.327 ng

RT: 10.265 min Scan# 1188

Delta R.T. -0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

Instrument :

BNA_G

ClientSampleId :

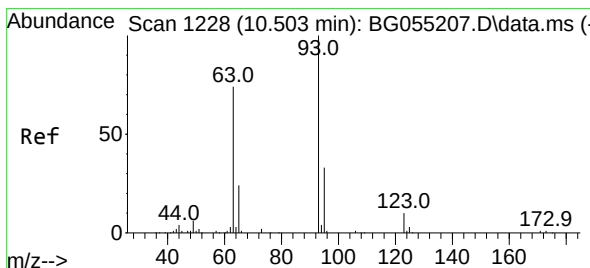
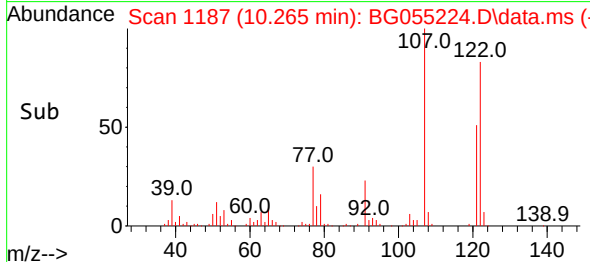
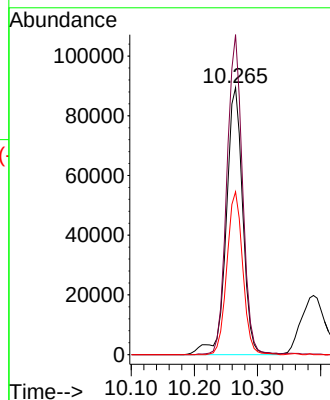
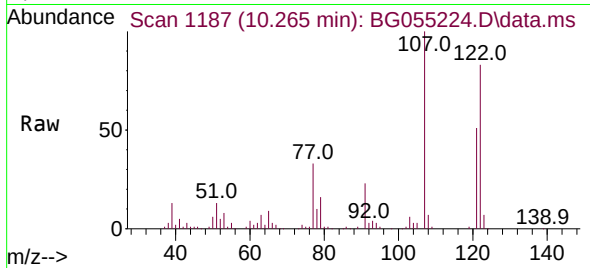
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:	122	Resp:	162294
Ion	Ratio	Lower	Upper
122	100		
107	119.9	96.9	145.3
121	61.0	47.3	70.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 52.630 ng

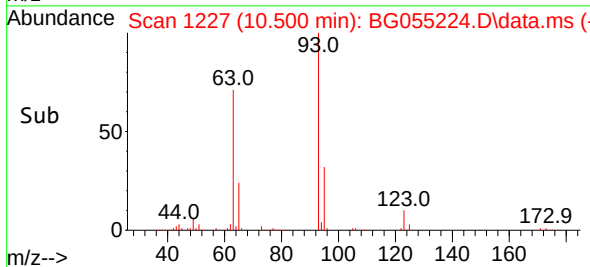
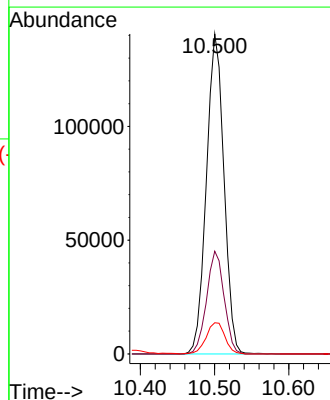
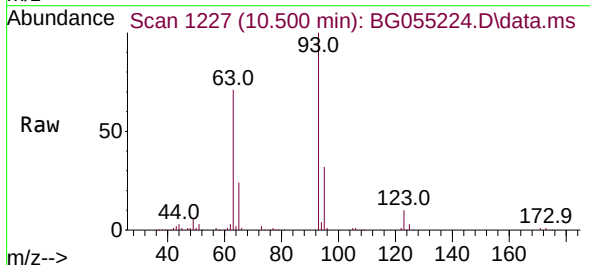
RT: 10.500 min Scan# 1227

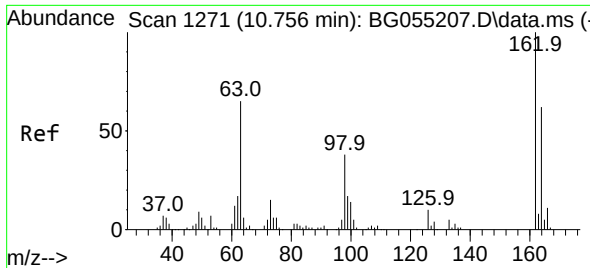
Delta R.T. -0.003 min

Lab File: BG055224.D

Acq: 20 Oct 2022 17:51

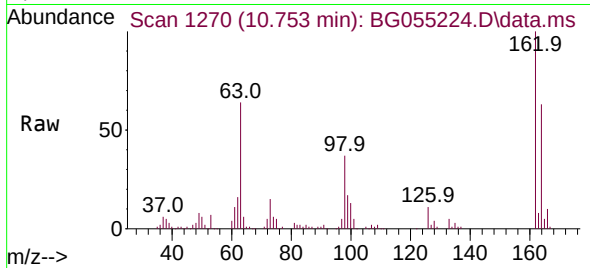
Tgt Ion:	93	Resp:	230759
Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	9.7	8.0	12.0





#29
2,4-Dichlorophenol
Concen: 47.279 ng
RT: 10.753 min Scan# 1270
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

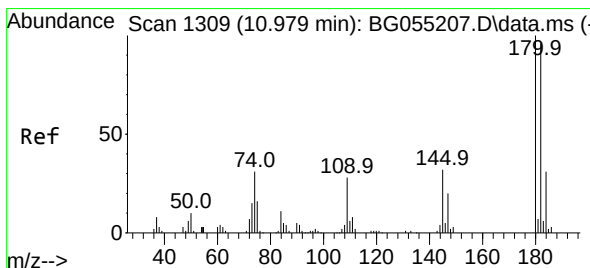
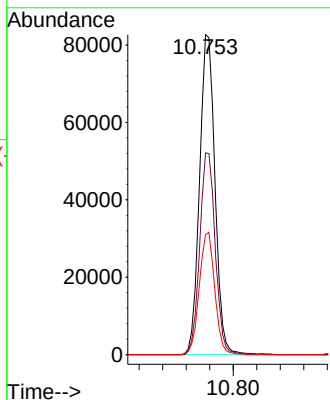
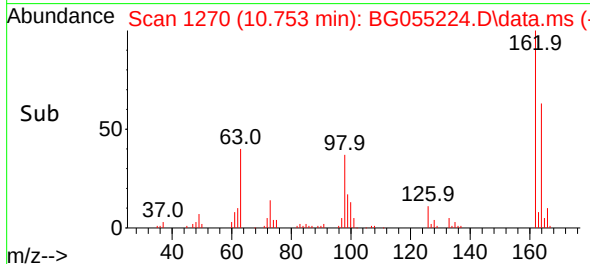
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



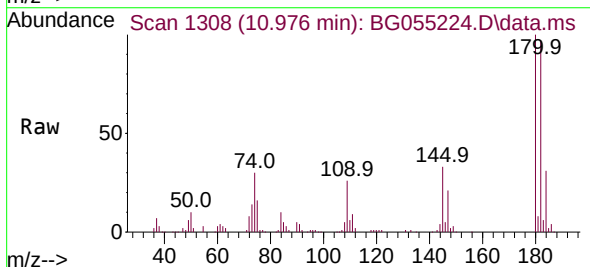
Tgt Ion:162 Resp: 150801
Ion Ratio Lower Upper
162 100
164 63.0 41.9 81.9
98 37.5 18.0 58.0

Manual Integrations
APPROVED

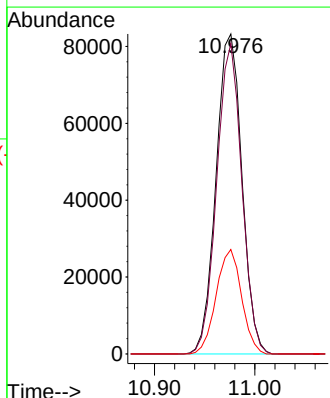
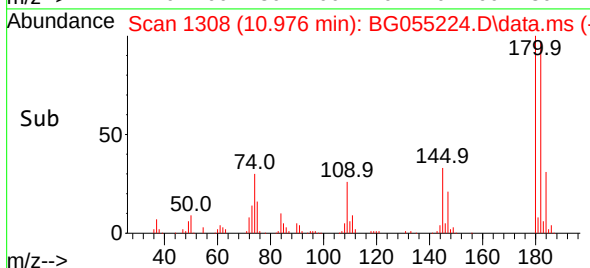
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

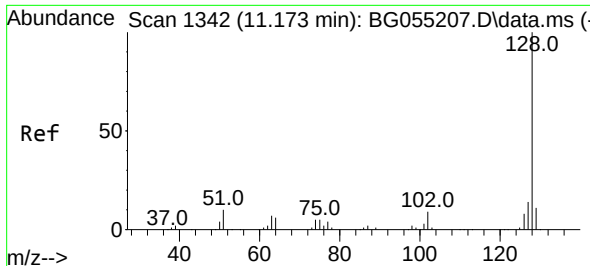


#30
1,2,4-Trichlorobenzene
Concen: 45.733 ng
RT: 10.976 min Scan# 1308
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



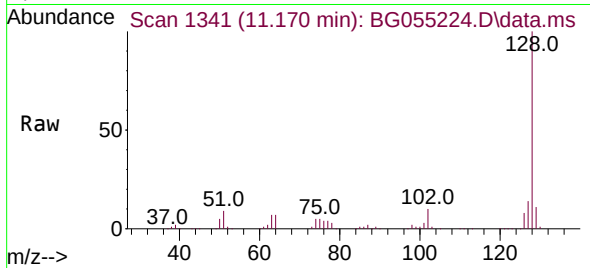
Tgt Ion:180 Resp: 149350
Ion Ratio Lower Upper
180 100
182 97.0 77.0 115.4
145 32.6 26.0 39.0





#31
Naphthalene
Concen: 48.972 ng
RT: 11.170 min Scan# 1342
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

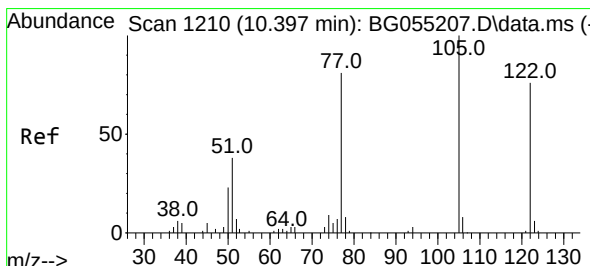
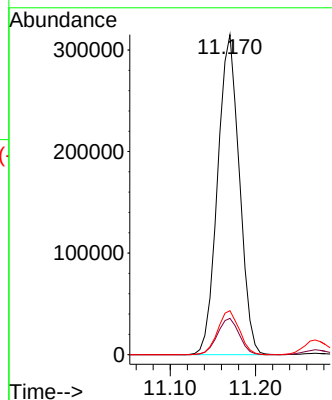
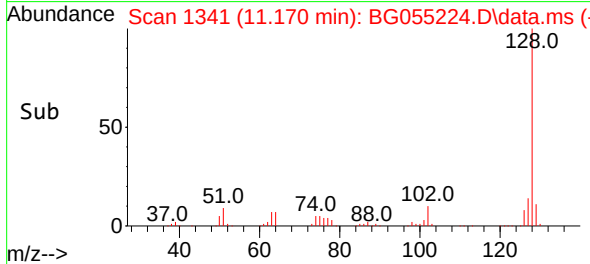
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion:128 Resp: 556373
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.7 11.4 17.2

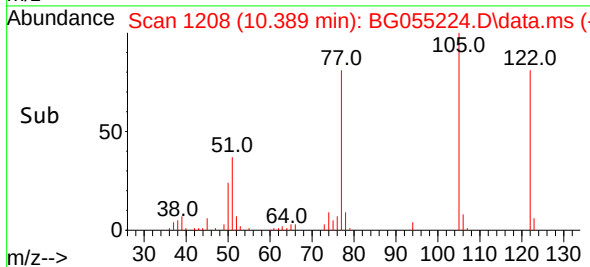
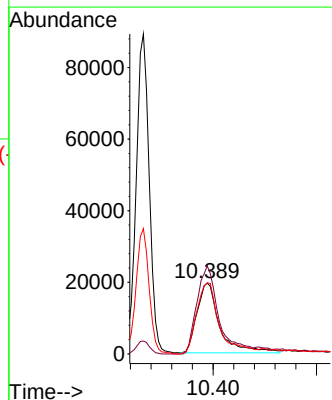
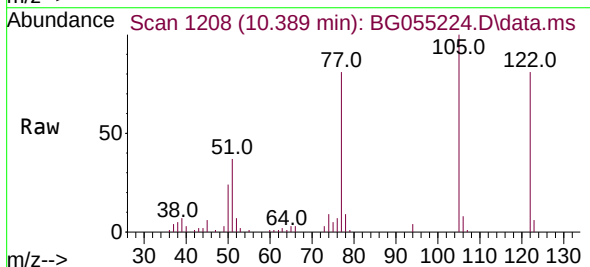
Manual Integrations
APPROVED

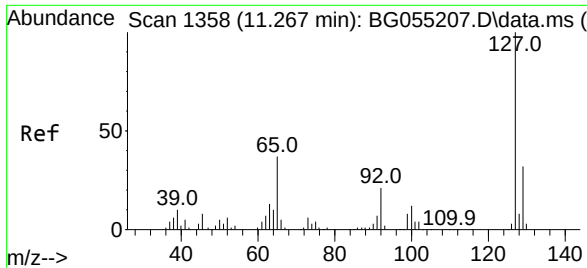
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#32
Benzoic acid
Concen: 27.822 ng
RT: 10.389 min Scan# 1208
Delta R.T. -0.008 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

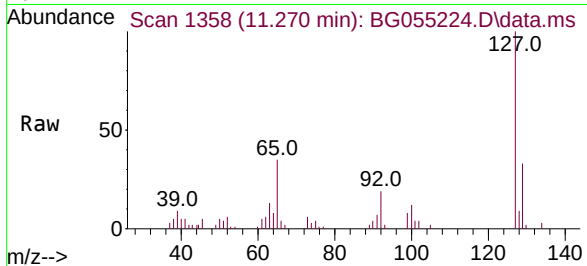
Tgt Ion:122 Resp: 59494
Ion Ratio Lower Upper
122 100
105 124.1 110.2 150.2
77 100.2 86.9 126.9





#33
4-Chloroaniline
Concen: 6.370 ng
RT: 11.270 min Scan# 1358
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

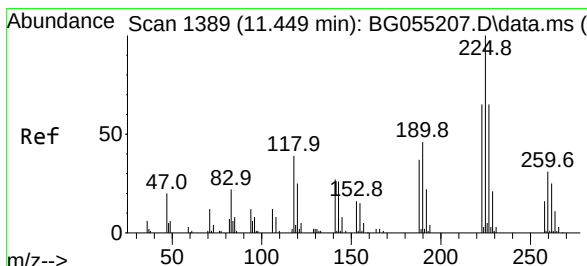
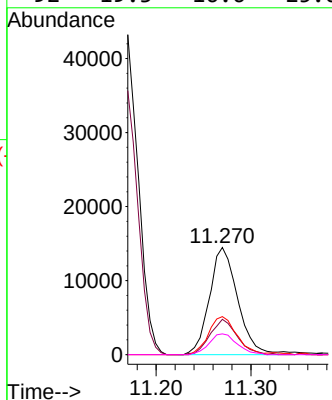
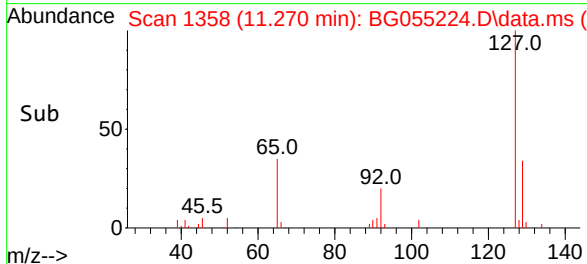
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



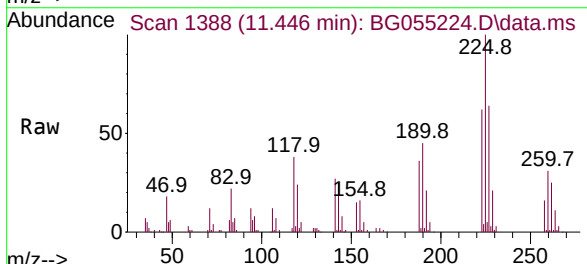
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.8
65	35.5	29.4	44.2
92	19.3	16.6	25.0

Manual Integrations
APPROVED

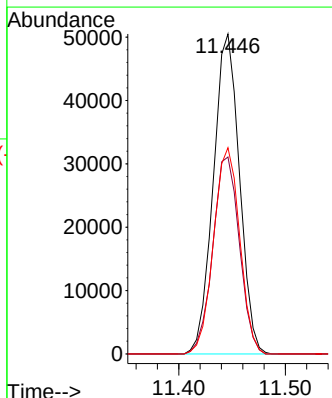
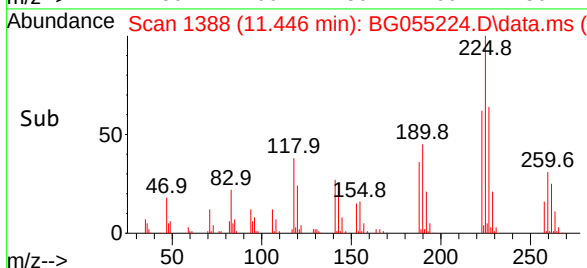
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

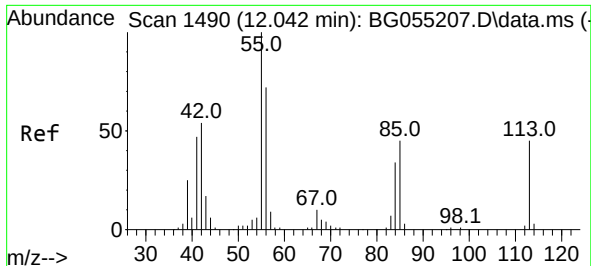


#34
Hexachlorobutadiene
Concen: 43.575 ng
RT: 11.446 min Scan# 1388
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



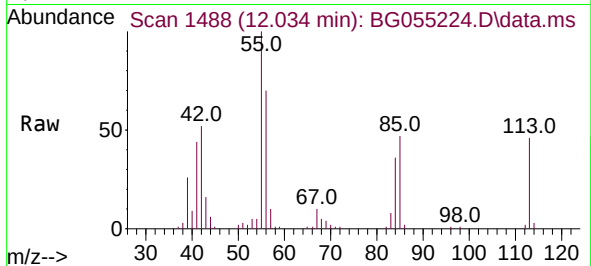
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.7	77.5
227	64.4	52.2	78.2





#35
Caprolactam
Concen: 30.457 ng m
RT: 12.034 min Scan# 1490
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

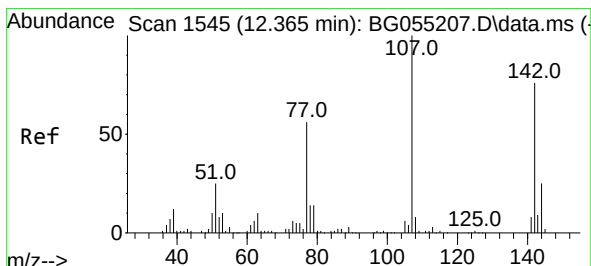
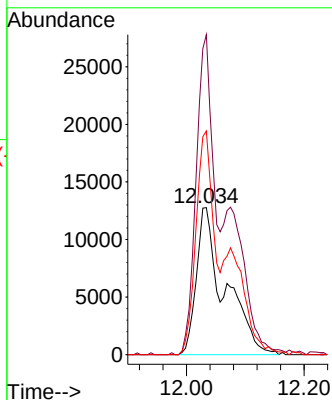
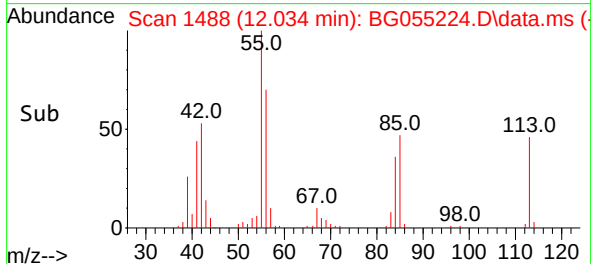
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:113 Resp: 42692
Ion Ratio Lower Upper
113 100
55 217.8 200.5 240.5
56 152.2 137.8 177.8

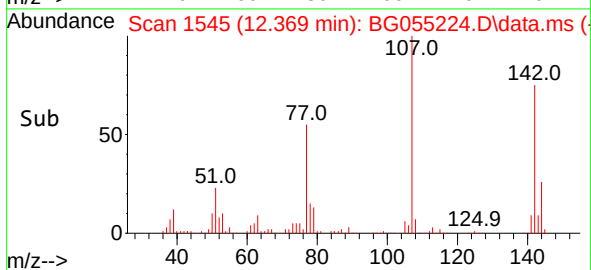
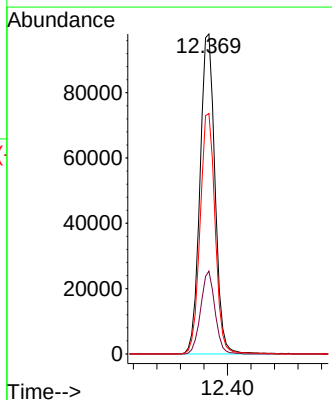
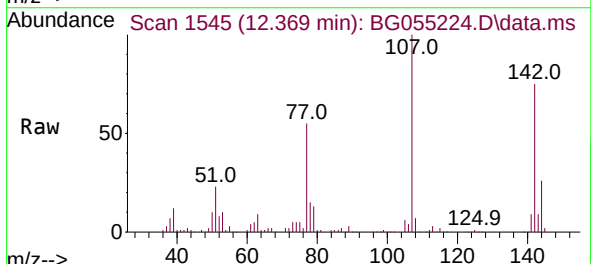
Manual Integrations
APPROVED

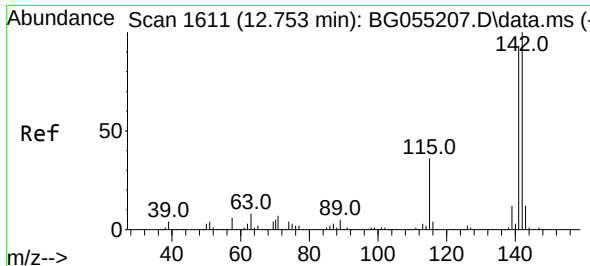
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#36
4-Chloro-3-methylphenol
Concen: 41.777 ng
RT: 12.369 min Scan# 1545
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

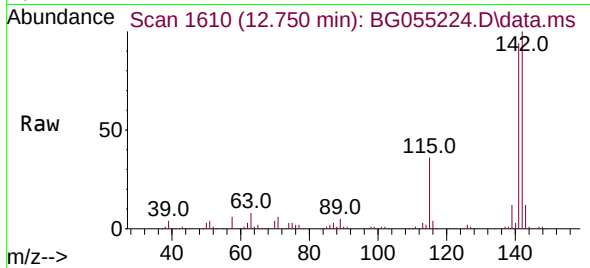
Tgt Ion:107 Resp: 173264
Ion Ratio Lower Upper
107 100
144 25.9 19.7 29.5
142 75.1 60.7 91.1





#37
2-Methylnaphthalene
Concen: 41.422 ng
RT: 12.750 min Scan# 1610
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

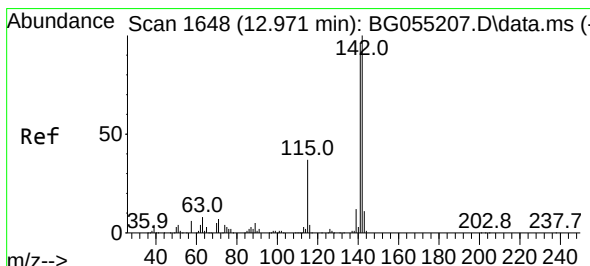
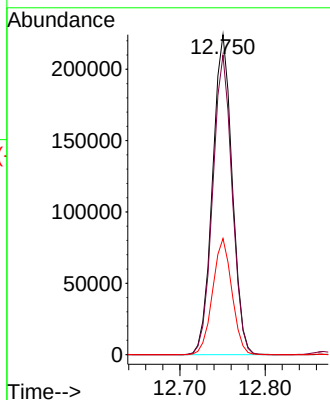
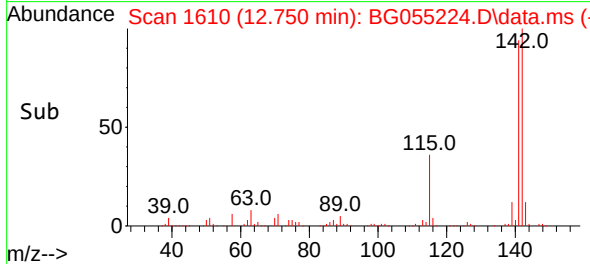
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:142 Resp: 357954
Ion Ratio Lower Upper
142 100
141 93.6 74.8 112.2
115 36.3 28.6 43.0

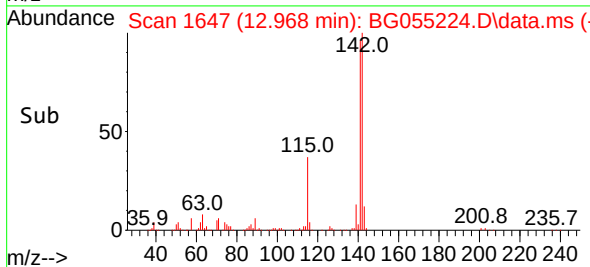
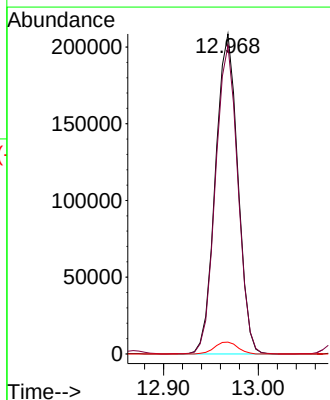
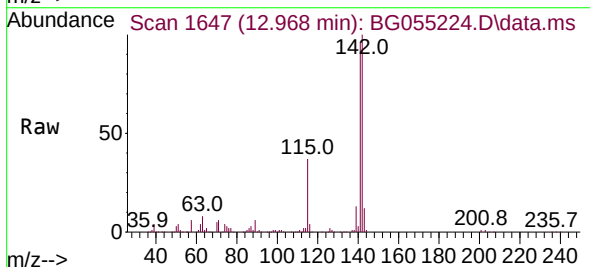
Manual Integrations
APPROVED

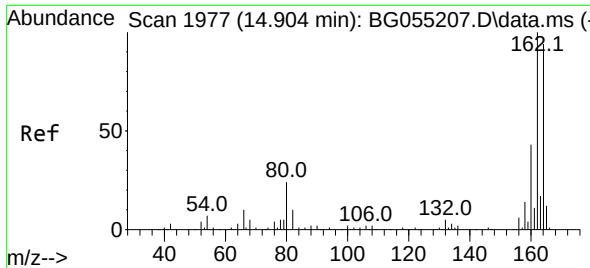
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#38
1-Methylnaphthalene
Concen: 40.099 ng
RT: 12.968 min Scan# 1647
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

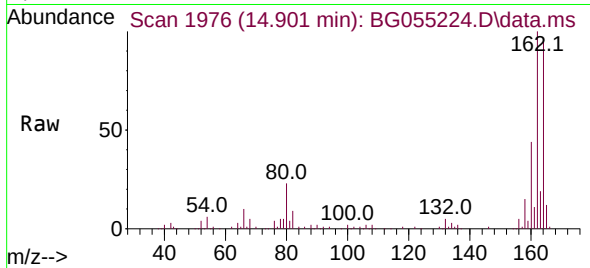
Tgt Ion:142 Resp: 342090
Ion Ratio Lower Upper
142 100
141 96.4 77.0 115.4
116 3.7 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.901 min Scan# 1976
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

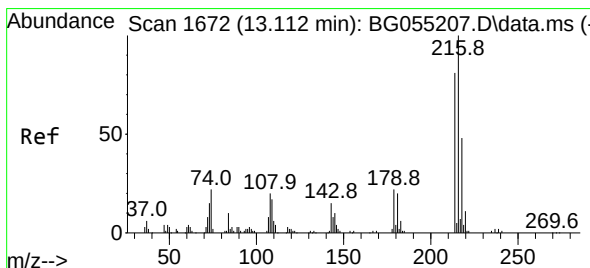
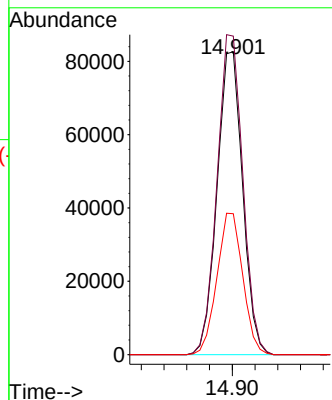
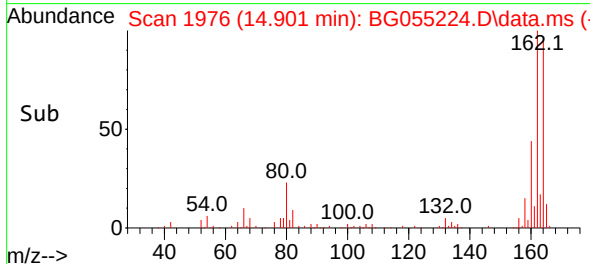
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



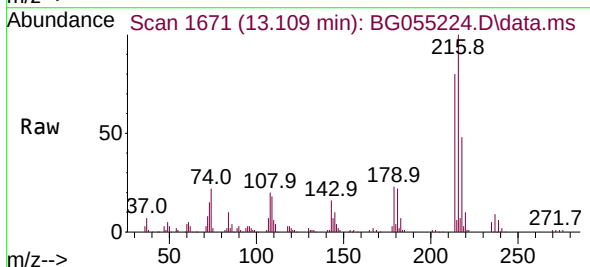
Tgt Ion:164 Resp: 129034
Ion Ratio Lower Upper
164 100
162 105.2 85.2 127.8
160 46.5 36.4 54.6

Manual Integrations
APPROVED

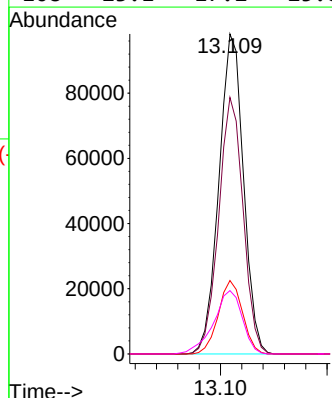
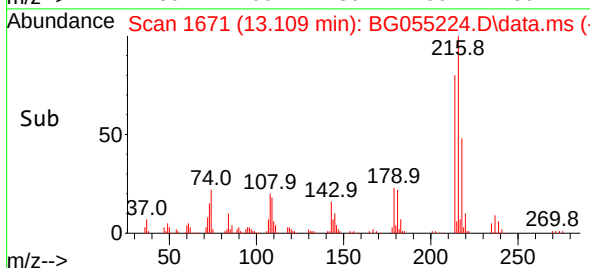
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

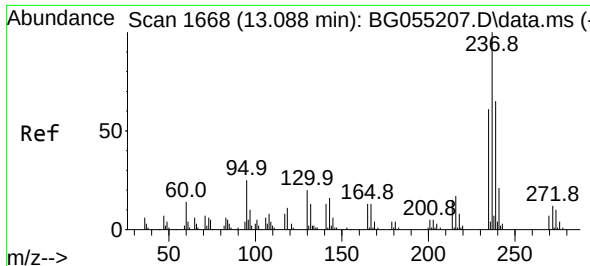


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.837 ng
RT: 13.109 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



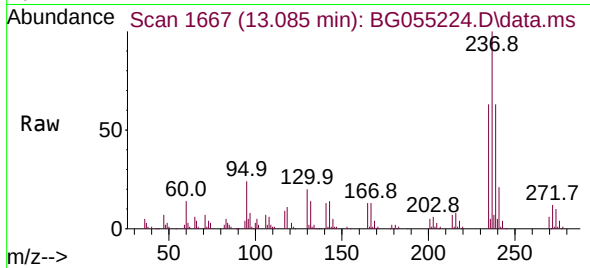
Tgt Ion:216 Resp: 157221
Ion Ratio Lower Upper
216 100
214 79.7 64.2 96.2
179 22.6 17.4 26.0
108 23.1 17.2 25.8





#41
Hexachlorocyclopentadiene
Concen: 97.209 ng
RT: 13.085 min Scan# 1668
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

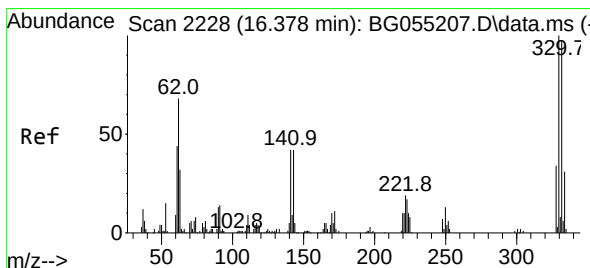
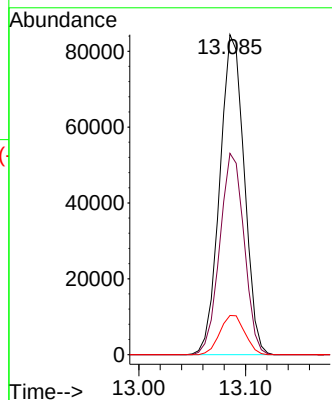
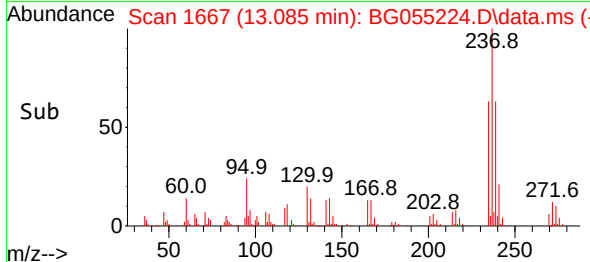
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:237 Resp: 134268
Ion Ratio Lower Upper
237 100
235 62.9 41.1 81.1
272 12.2 0.0 32.4

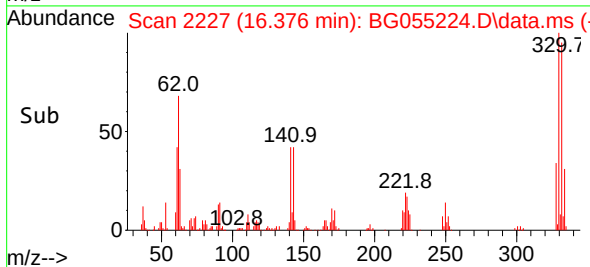
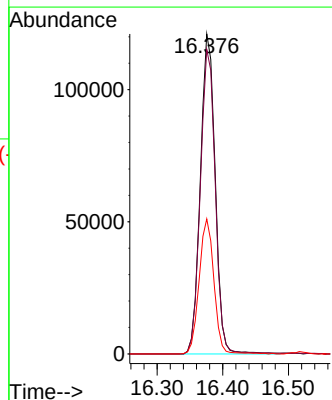
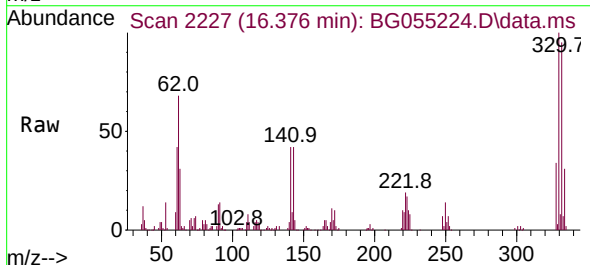
Manual Integrations
APPROVED

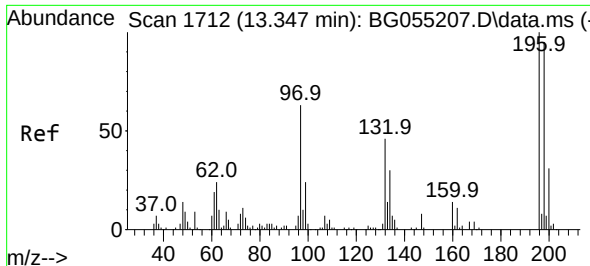
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#42
2,4,6-Tribromophenol
Concen: 141.504 ng
RT: 16.376 min Scan# 2227
Delta R.T. -0.002 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

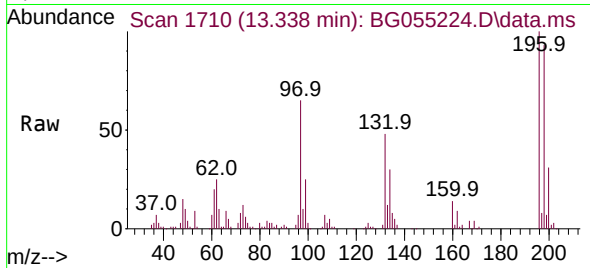
Tgt Ion:330 Resp: 189198
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 42.0 33.5 50.3





#43
2,4,6-Trichlorophenol
Concen: 47.623 ng
RT: 13.338 min Scan# 1710
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

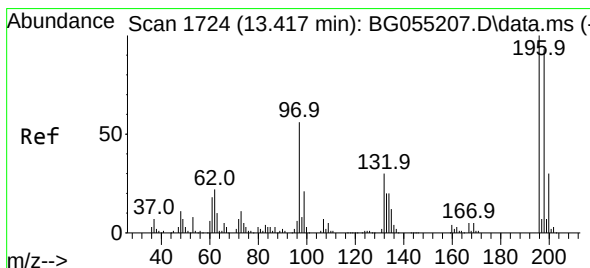
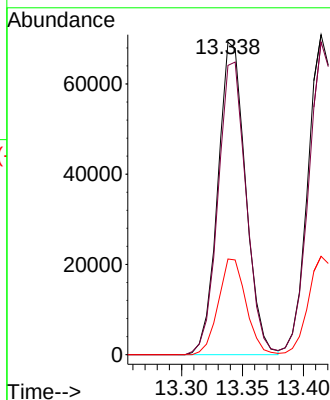
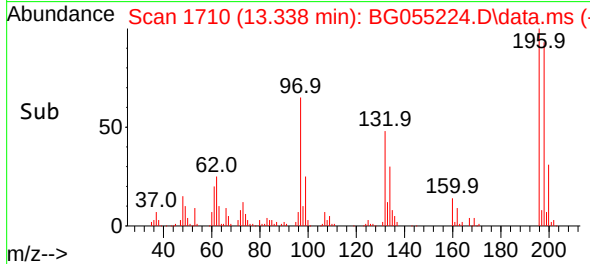
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



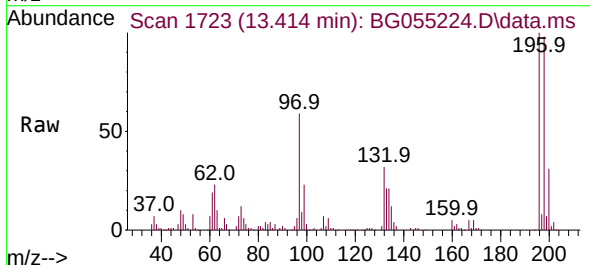
Tgt Ion:196 Resp: 109934
Ion Ratio Lower Upper
196 100
198 92.6 76.1 114.1
200 30.6 24.8 37.2

Manual Integrations
APPROVED

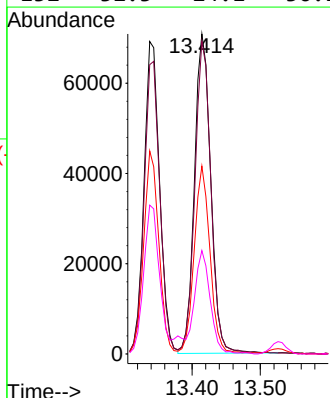
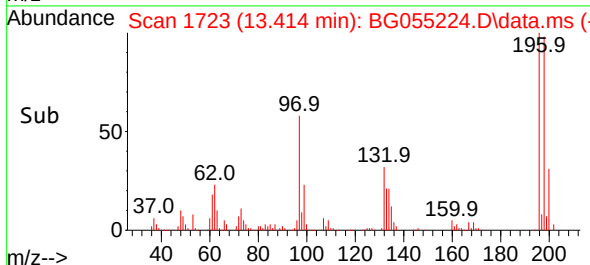
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

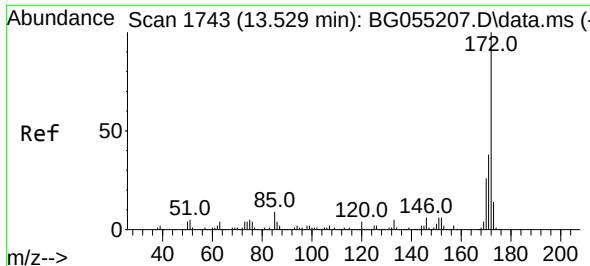


#44
2,4,5-Trichlorophenol
Concen: 46.494 ng
RT: 13.414 min Scan# 1723
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



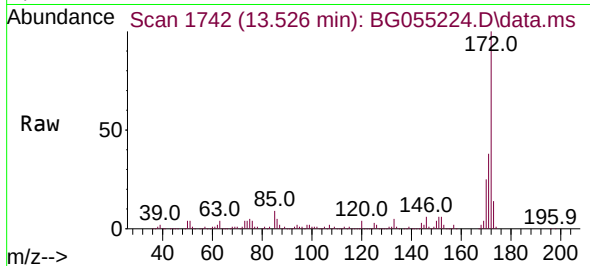
Tgt Ion:196 Resp: 117747
Ion Ratio Lower Upper
196 100
198 97.7 74.5 111.7
97 58.7 44.6 66.8
132 32.3 24.1 36.1





#45
2-Fluorobiphenyl
Concen: 93.100 ng
RT: 13.526 min Scan# 1742
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

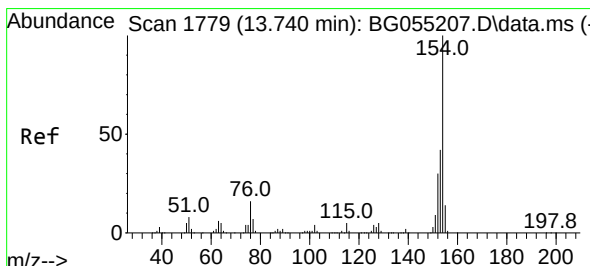
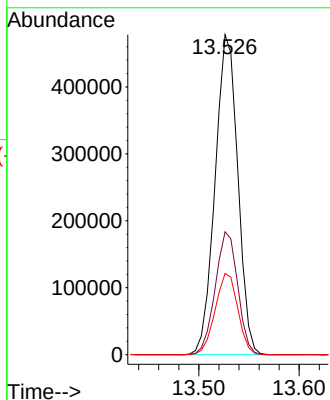
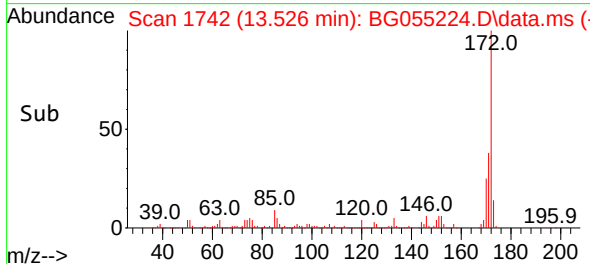
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion:172 Resp: 752083
Ion Ratio Lower Upper
172 100
171 38.4 30.3 45.5
170 25.4 20.6 30.8

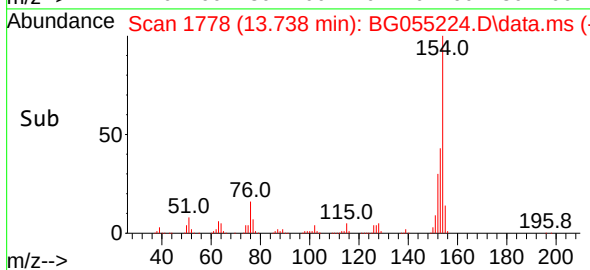
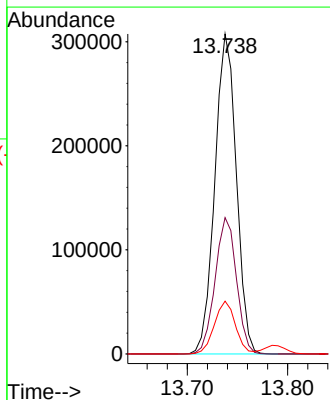
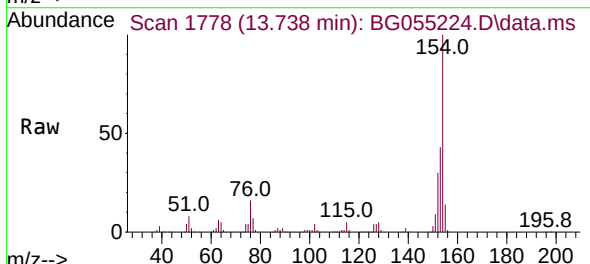
Manual Integrations
APPROVED

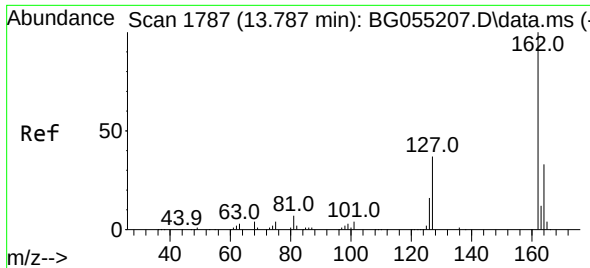
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#46
1,1'-Biphenyl
Concen: 50.109 ng
RT: 13.738 min Scan# 1778
Delta R.T. -0.002 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:154 Resp: 457833
Ion Ratio Lower Upper
154 100
153 42.6 22.1 62.1
76 16.5 0.0 35.8





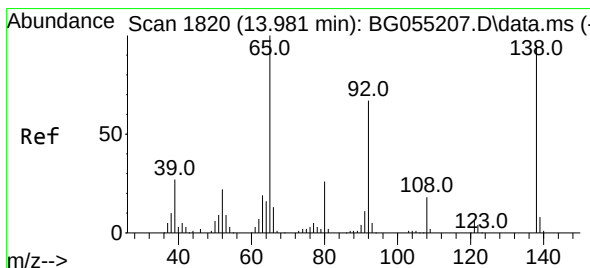
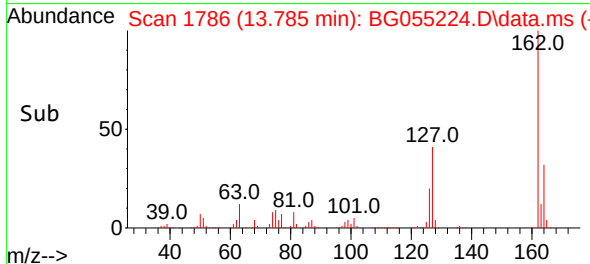
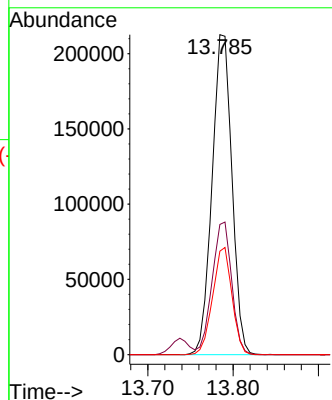
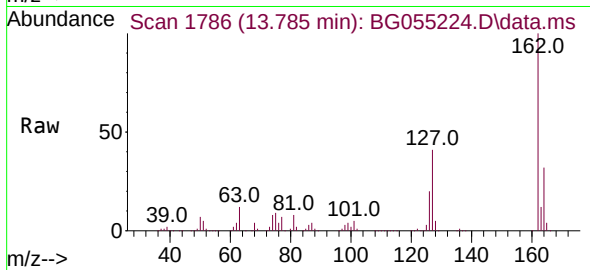
#47
2-Chloronaphthalene
Concen: 48.905 ng
RT: 13.785 min Scan# 1785
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD

Tgt Ion:162 Resp: 344009
Ion Ratio Lower Upper
162 100
127 40.7 33.5 50.3
164 32.3 26.4 39.6

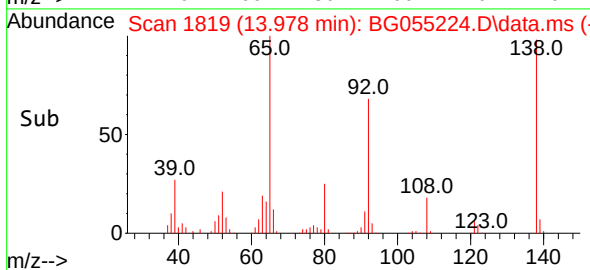
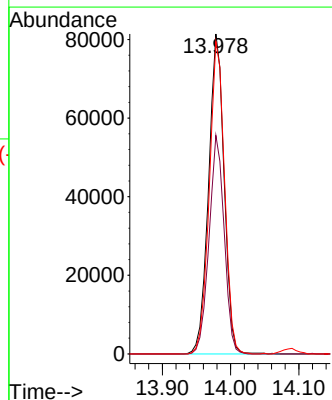
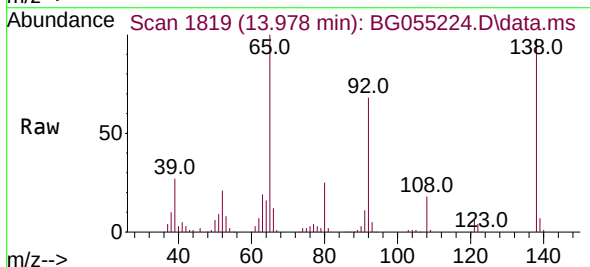
Manual Integrations
APPROVED

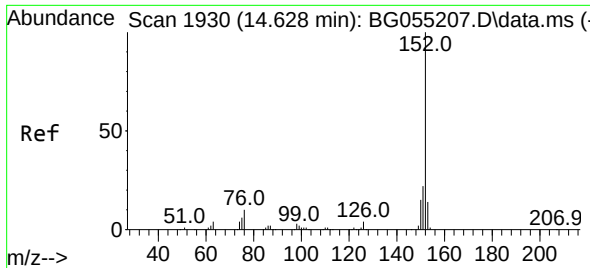
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#48
2-Nitroaniline
Concen: 44.941 ng
RT: 13.978 min Scan# 1819
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion: 65 Resp: 128287
Ion Ratio Lower Upper
65 100
92 68.3 53.8 80.8
138 97.6 76.0 114.0





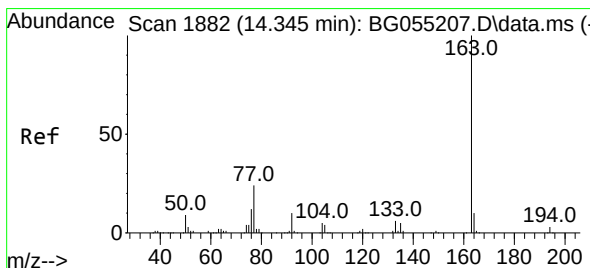
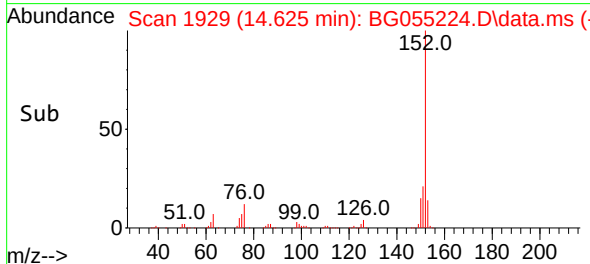
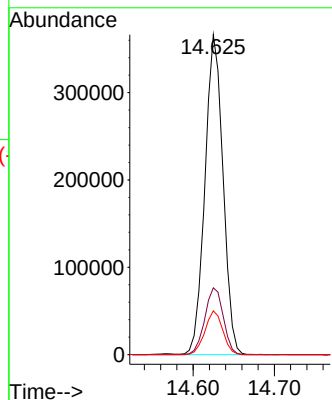
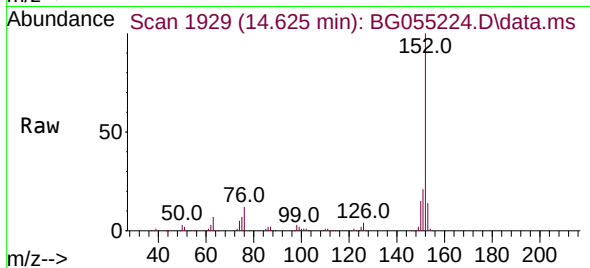
#49
Acenaphthylene
Concen: 47.077 ng
RT: 14.625 min Scan# 1930
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD

Tgt Ion:152 Resp: 566506
Ion Ratio Lower Upper
152 100
151 20.9 17.3 25.9
153 13.7 11.0 16.6

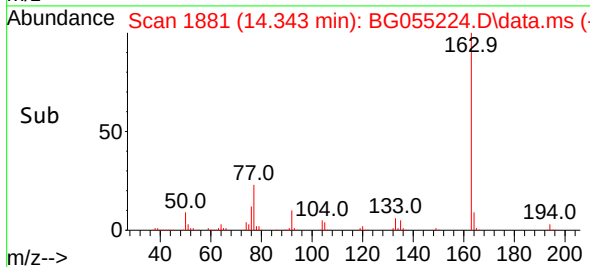
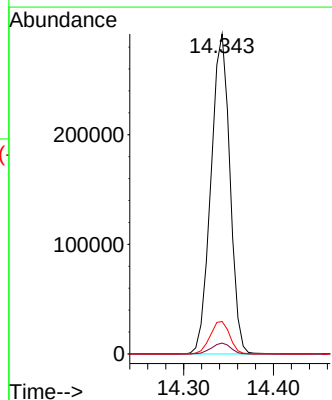
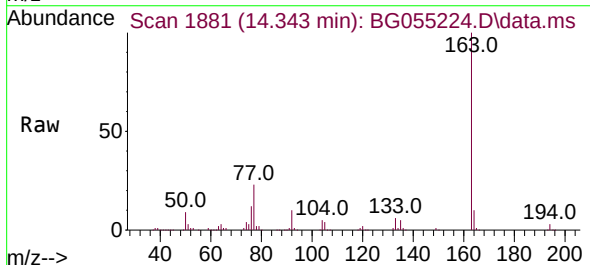
Manual Integrations
APPROVED

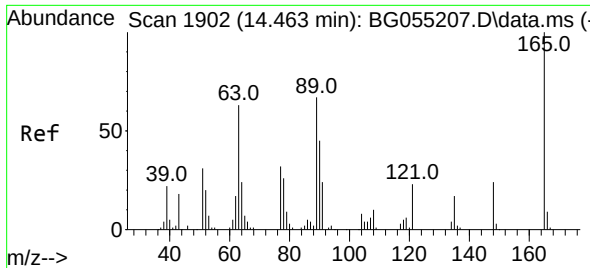
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#50
Dimethylphthalate
Concen: 42.155 ng
RT: 14.343 min Scan# 1881
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

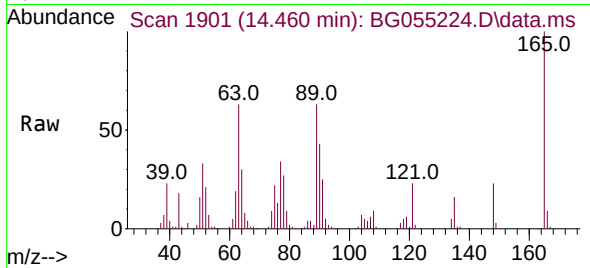
Tgt Ion:163 Resp: 427859
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 45.621 ng
RT: 14.460 min Scan# 1902
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

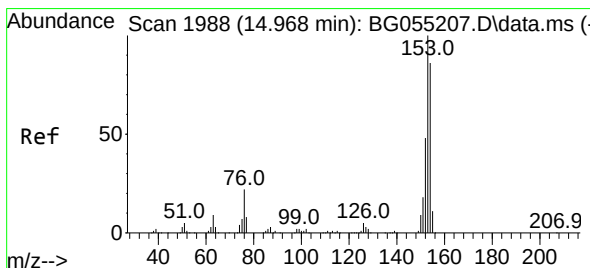
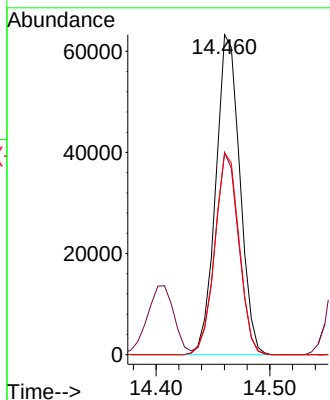
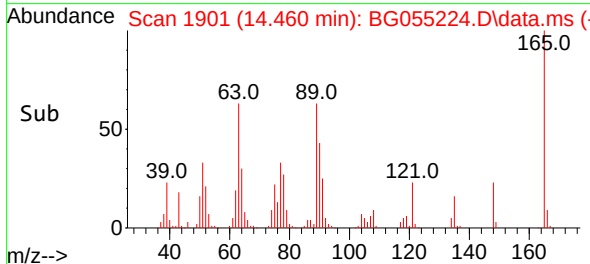
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



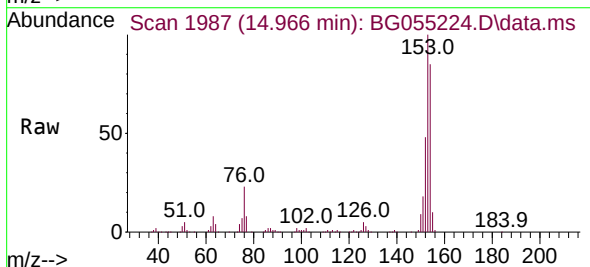
Tgt Ion:165 Resp: 92910
Ion Ratio Lower Upper
165 100
63 63.2 56.1 84.1
89 63.1 53.4 80.0

Manual Integrations
APPROVED

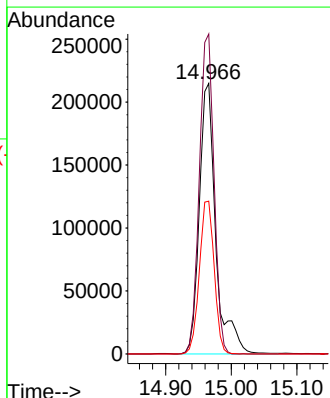
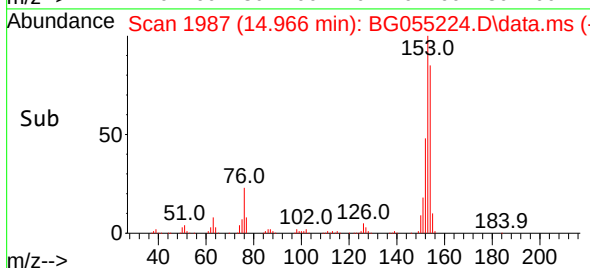
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

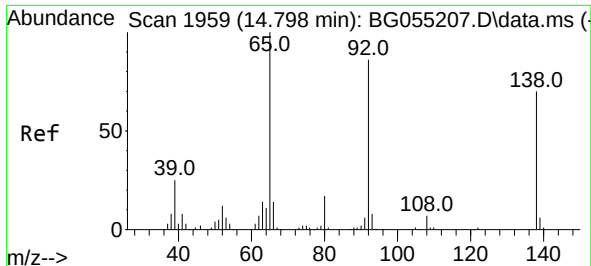


#52
Acenaphthene
Concen: 48.751 ng
RT: 14.966 min Scan# 1987
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



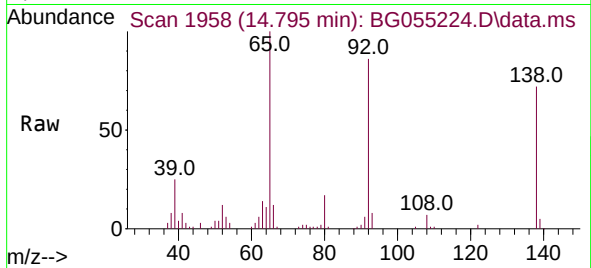
Tgt Ion:154 Resp: 373512
Ion Ratio Lower Upper
154 100
153 118.3 93.3 139.9
152 56.4 45.1 67.7





#53
3-Nitroaniline
Concen: 20.940 ng
RT: 14.795 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

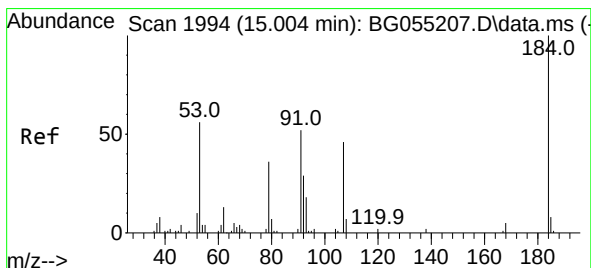
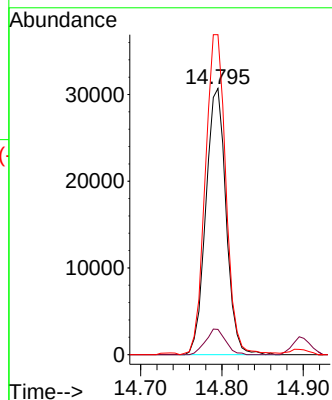
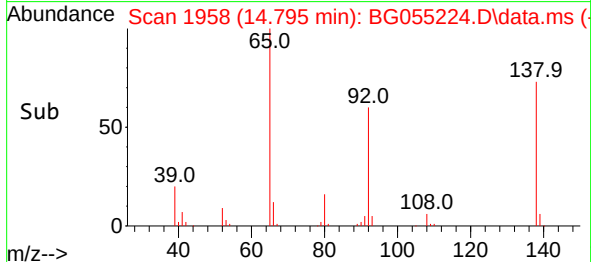
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



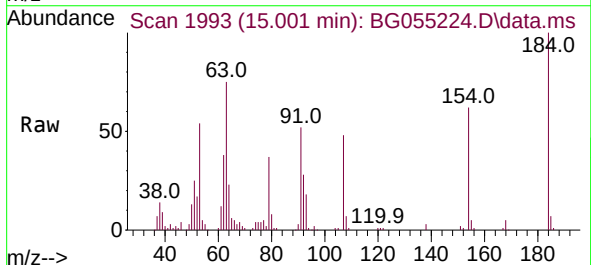
Tgt Ion:138 Resp: 5312
Ion Ratio Lower Upper
138 100
108 9.5 7.5 11.3
92 120.2 98.0 147.0

Manual Integrations
APPROVED

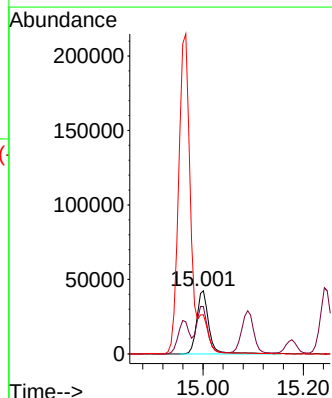
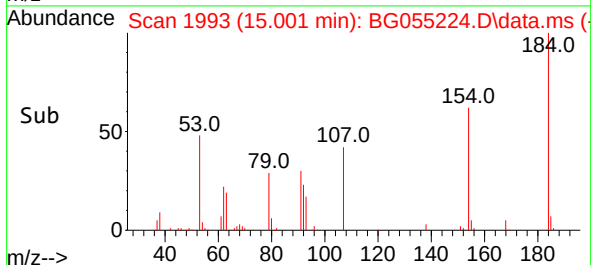
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

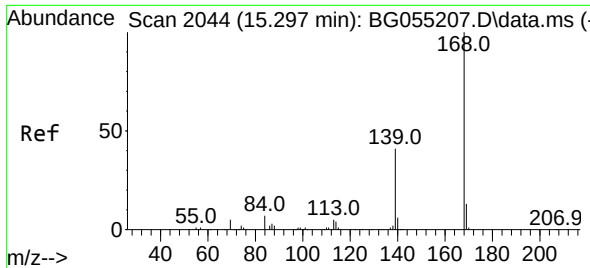


#54
2,4-Dinitrophenol
Concen: 68.559 ng
RT: 15.001 min Scan# 1993
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



Tgt Ion:184 Resp: 70389
Ion Ratio Lower Upper
184 100
63 75.0 61.2 91.8
154 62.0 50.4 75.6





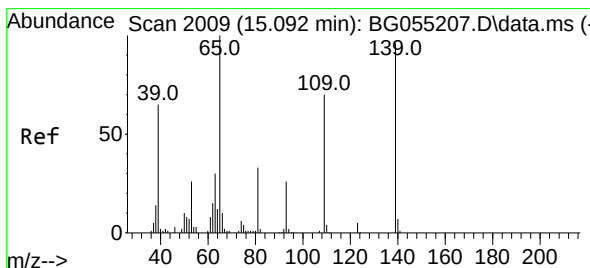
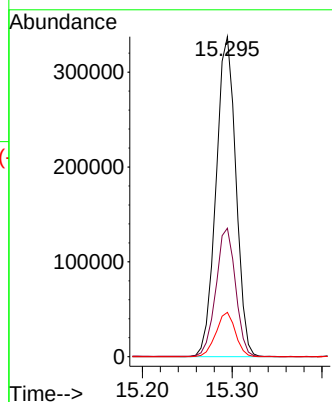
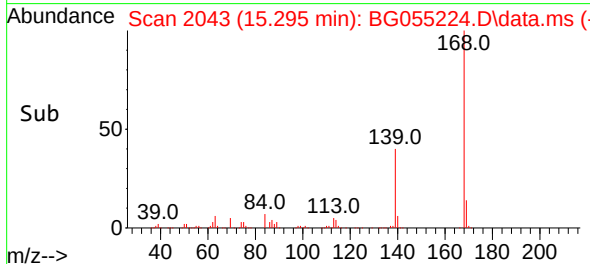
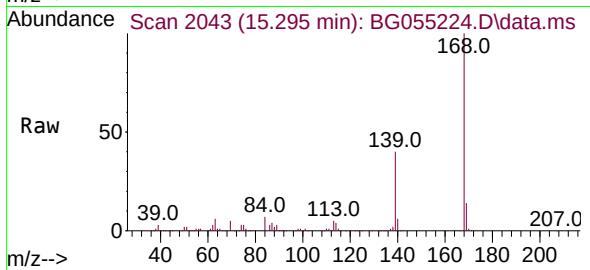
#55
Dibenzofuran
Concen: 46.900 ng
RT: 15.295 min Scan# 2044
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD

Tgt Ion:168 Resp: 517583
Ion Ratio Lower Upper
168 100
139 40.1 32.6 48.8
169 13.8 10.7 16.1

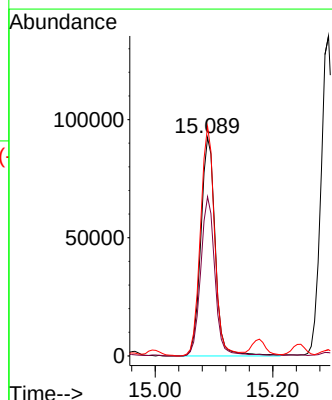
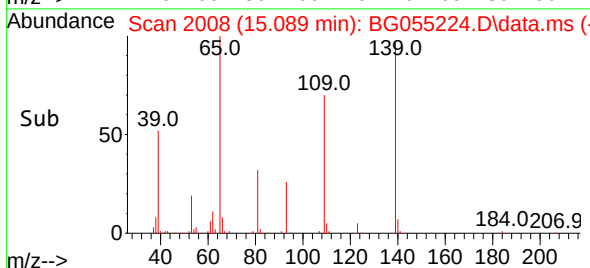
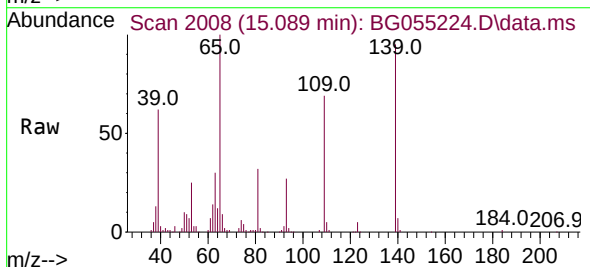
Manual Integrations
APPROVED

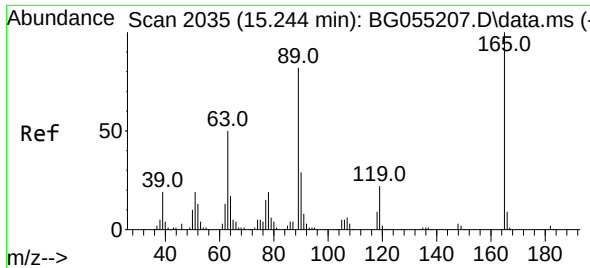
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#56
4-Nitrophenol
Concen: 87.868 ng
RT: 15.089 min Scan# 2008
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

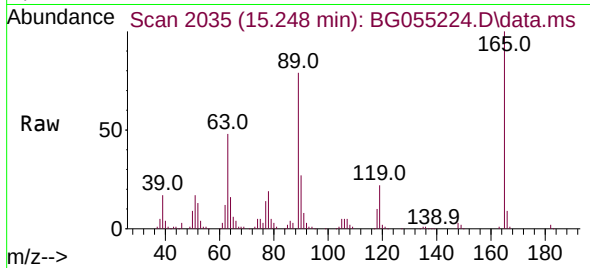
Tgt Ion:139 Resp: 156732
Ion Ratio Lower Upper
139 100
109 72.8 53.0 93.0
65 105.1 84.8 124.8





#57
2,4-Dinitrotoluene
Concen: 45.365 ng
RT: 15.248 min Scan# 2035
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

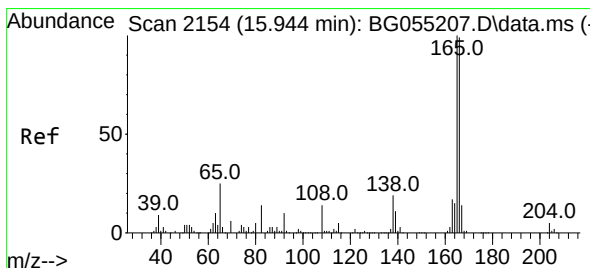
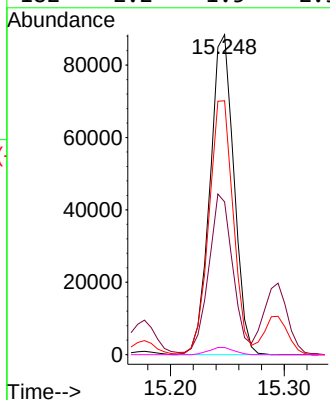
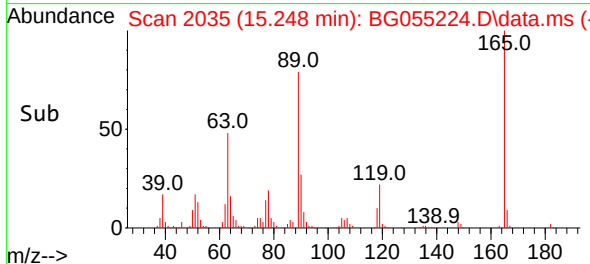
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



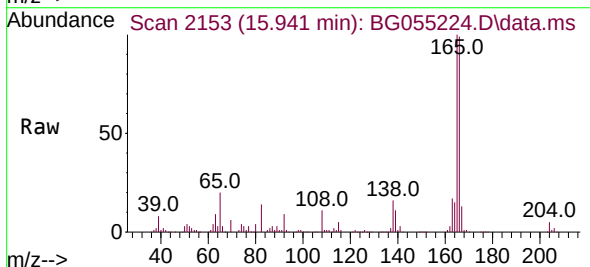
Tgt Ion:165 Resp: 129181
Ion Ratio Lower Upper
165 100
63 47.7 39.8 59.8
89 79.3 66.0 99.0
182 2.2 1.5 2.3

Manual Integrations
APPROVED

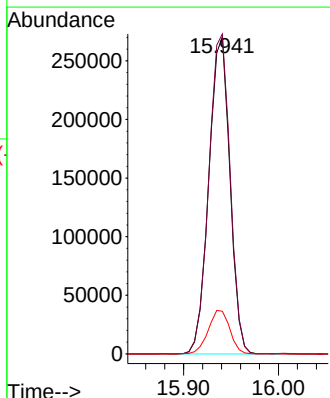
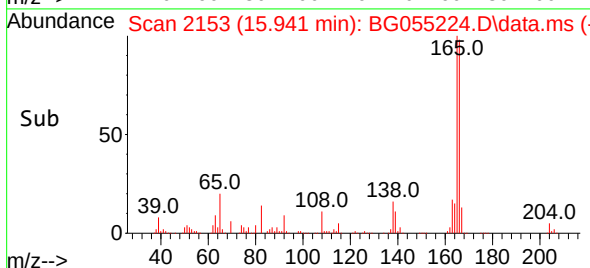
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

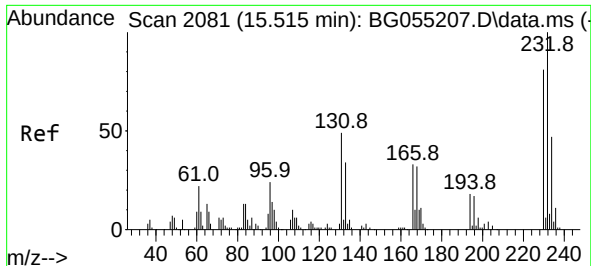


#58
Fluorene
Concen: 44.921 ng
RT: 15.941 min Scan# 2153
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



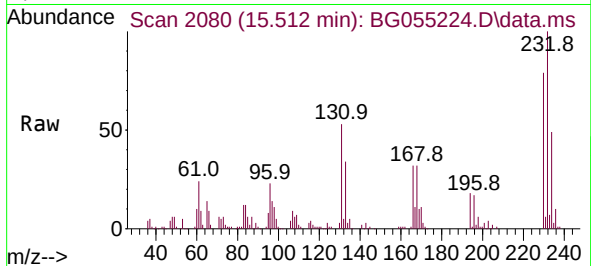
Tgt Ion:166 Resp: 417485
Ion Ratio Lower Upper
166 100
165 100.9 81.0 121.6
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.889 ng
RT: 15.512 min Scan# 2081
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

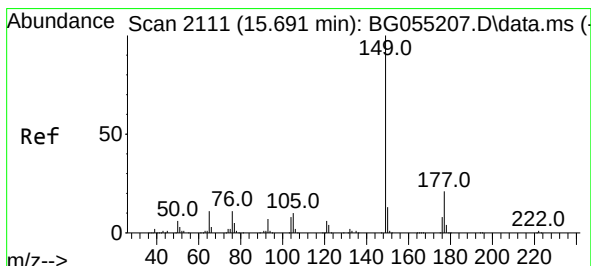
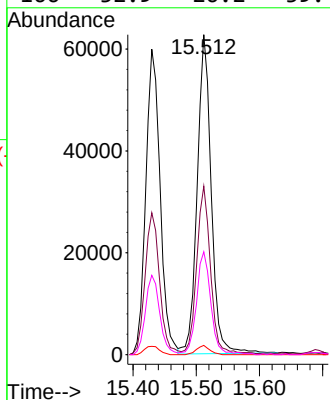
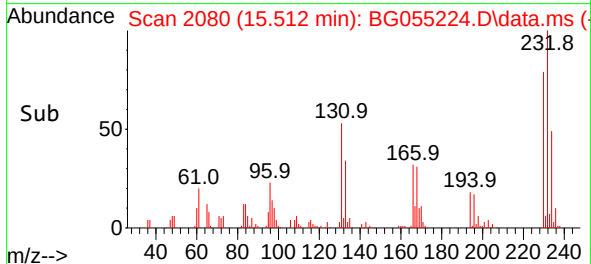
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:232 Resp: 96795
Ion Ratio Lower Upper
232 100
131 51.1 40.5 60.7
130 2.7 2.2 3.2
166 32.9 26.2 39.4

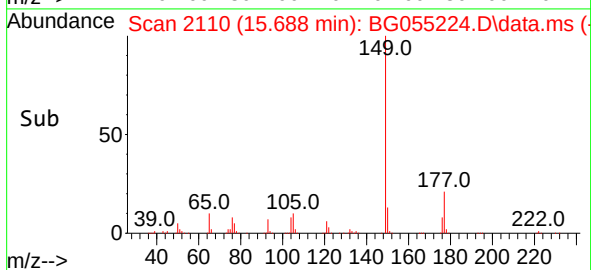
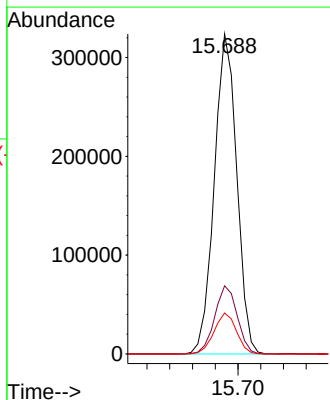
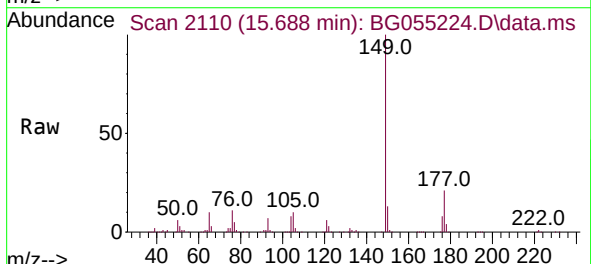
Manual Integrations
APPROVED

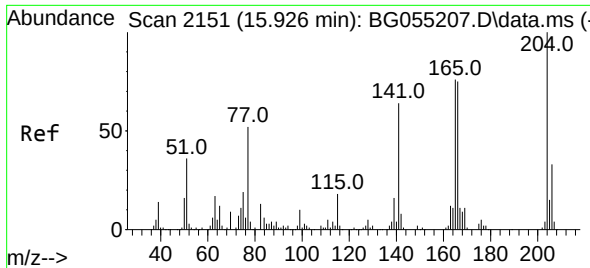
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#60
Diethylphthalate
Concen: 41.795 ng
RT: 15.688 min Scan# 2110
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:149 Resp: 443787
Ion Ratio Lower Upper
149 100
177 21.3 16.4 24.6
150 12.8 10.2 15.4





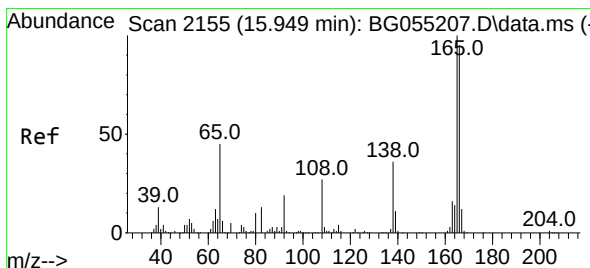
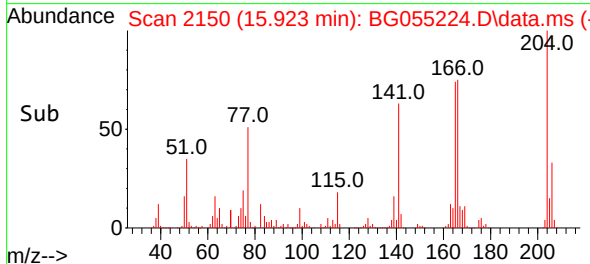
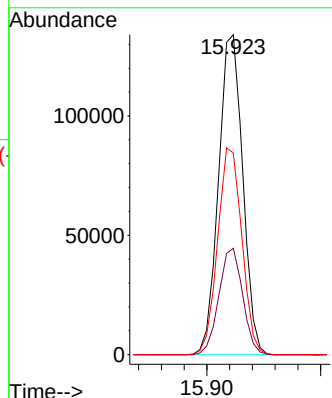
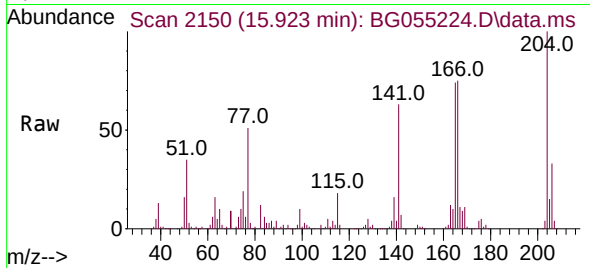
#61
4-Chlorophenyl-phenylether
Concen: 45.772 ng
RT: 15.923 min Scan# 2151
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:204 Resp: 197448
Ion Ratio Lower Upper
204 100
206 33.2 26.8 40.2
141 63.0 51.0 76.4

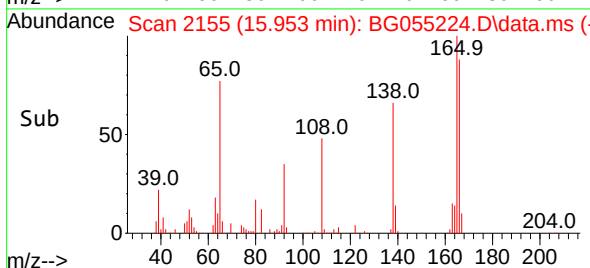
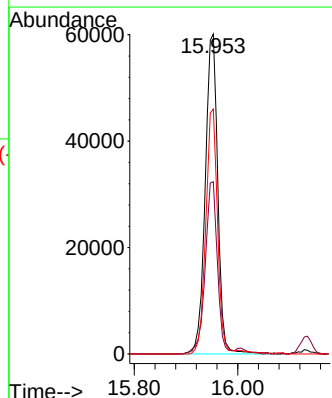
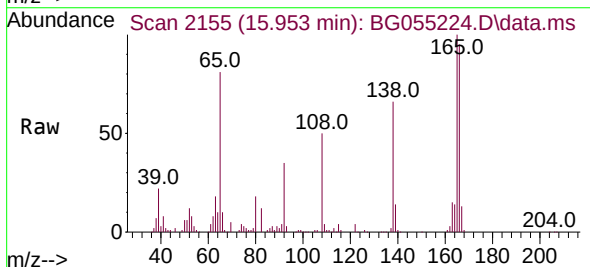
Manual Integrations
APPROVED

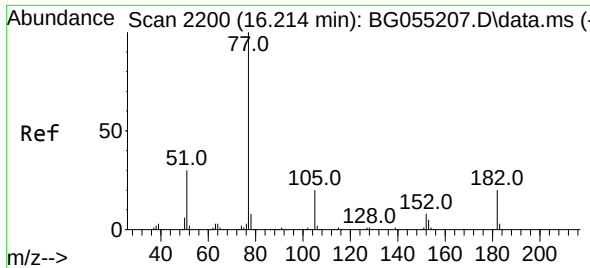
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#62
4-Nitroaniline
Concen: 39.313 ng
RT: 15.953 min Scan# 2155
Delta R.T. 0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

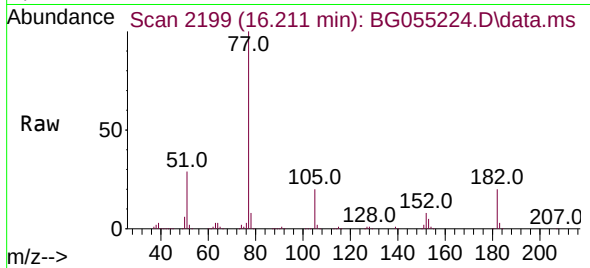
Tgt Ion:138 Resp: 101164
Ion Ratio Lower Upper
138 100
92 53.8 33.9 73.9
108 76.5 55.1 95.1





#63
Azobenzene
Concen: 44.454 ng
RT: 16.211 min Scan# 2199
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

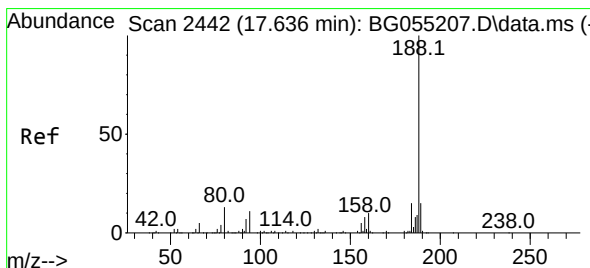
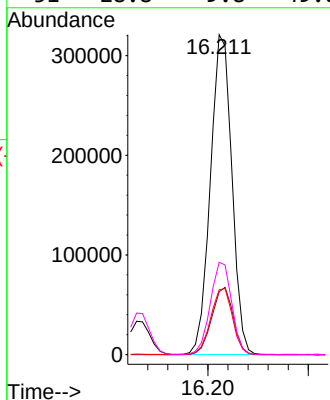
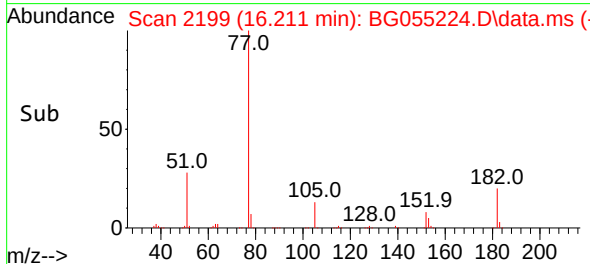
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



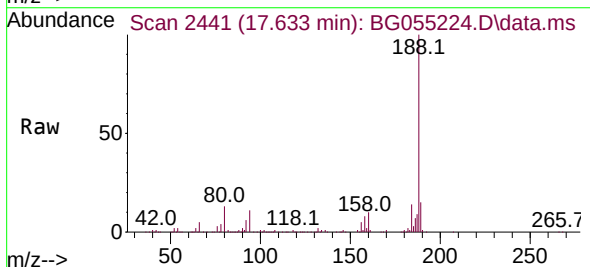
Tgt Ion: 77 Resp: 477059
Ion Ratio Lower Upper
77 100
182 19.6 0.0 39.9
105 20.2 0.2 40.2
51 28.8 9.8 49.8

Manual Integrations
APPROVED

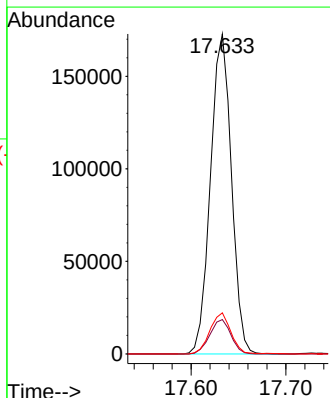
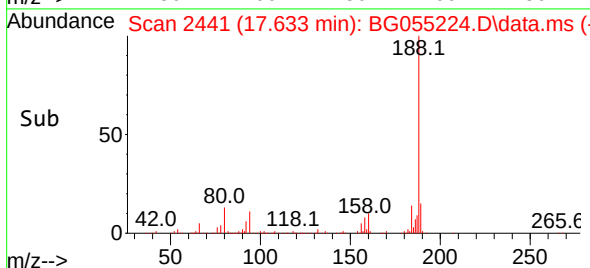
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

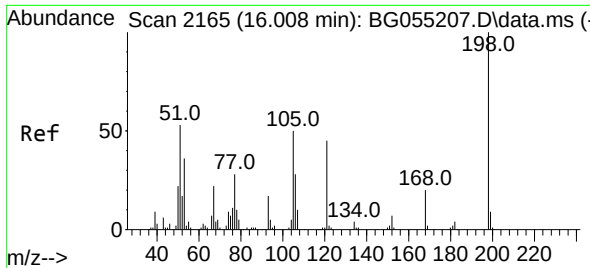


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



Tgt Ion:188 Resp: 265353
Ion Ratio Lower Upper
188 100
94 10.7 8.6 12.8
80 12.8 10.4 15.6





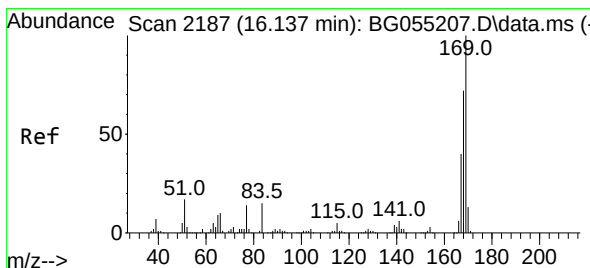
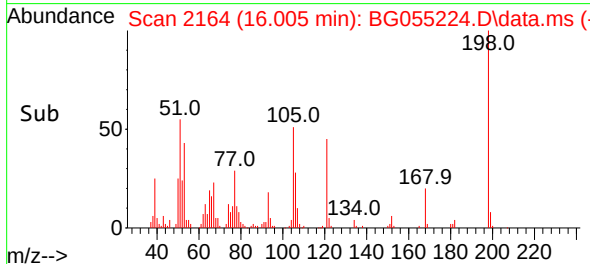
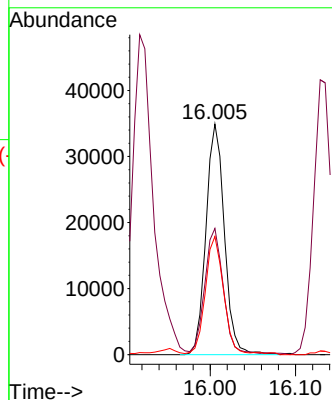
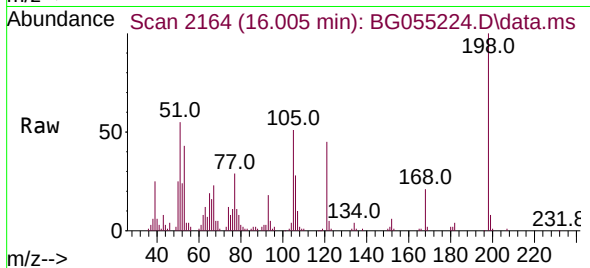
#65
4,6-Dinitro-2-methylphenol
Concen: 36.986 ng
RT: 16.005 min Scan# 2165
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:198 Resp: 52425
Ion Ratio Lower Upper
198 100
51 54.7 37.0 77.0
105 51.3 30.8 70.8

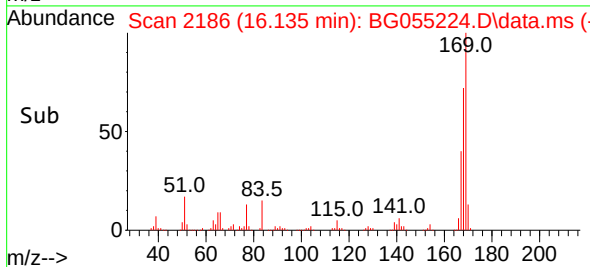
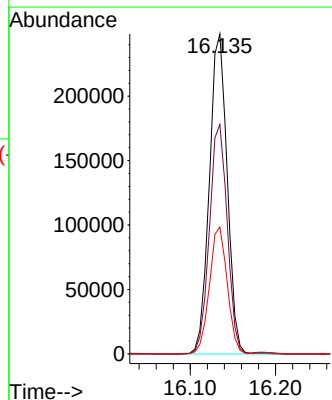
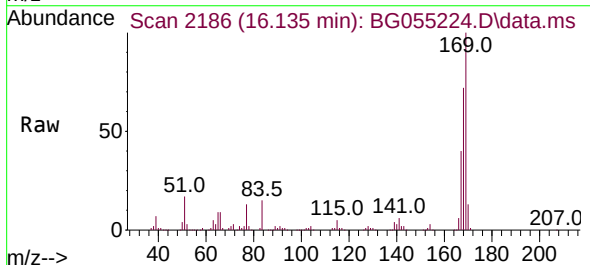
Manual Integrations
APPROVED

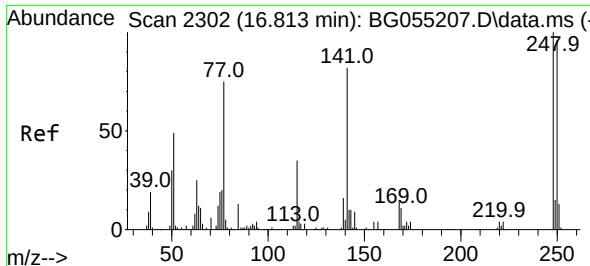
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#66
n-Nitrosodiphenylamine
Concen: 48.526 ng
RT: 16.135 min Scan# 2186
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

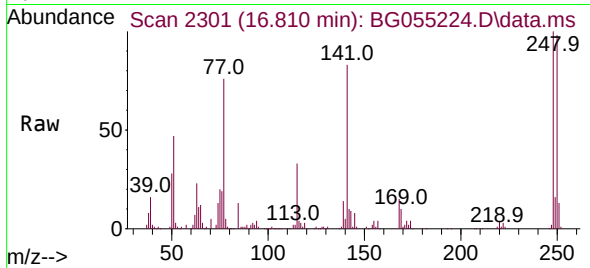
Tgt Ion:169 Resp: 359369
Ion Ratio Lower Upper
169 100
168 71.7 57.7 86.5
167 39.7 31.8 47.6





#67
4-Bromophenyl-phenylether
Concen: 47.729 ng
RT: 16.810 min Scan# 2301
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

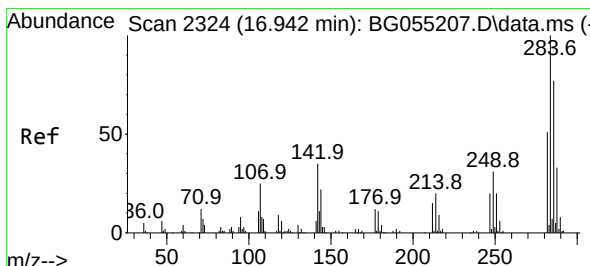
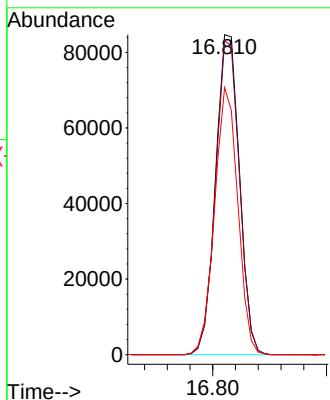
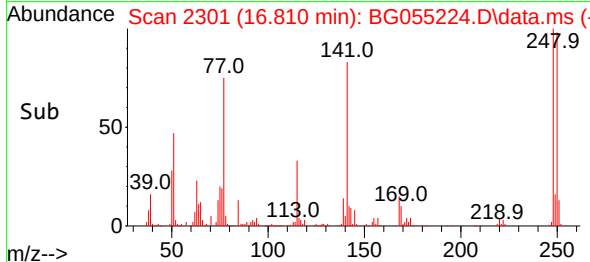
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



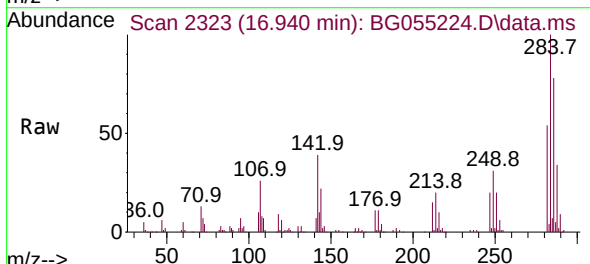
Tgt Ion:248 Resp: 123444
Ion Ratio Lower Upper
248 100
250 98.1 76.7 115.1
141 83.4 65.3 97.9

Manual Integrations
APPROVED

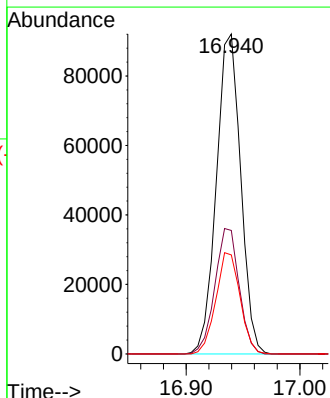
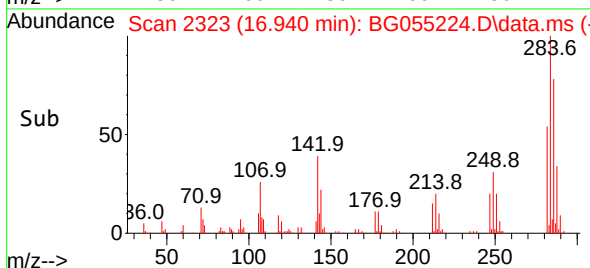
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

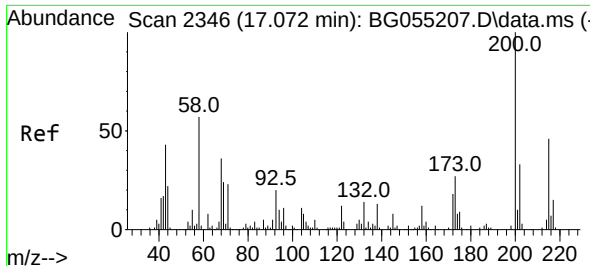


#68
Hexachlorobenzene
Concen: 48.236 ng
RT: 16.940 min Scan# 2323
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51



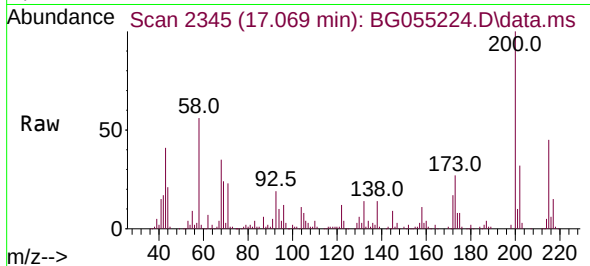
Tgt Ion:284 Resp: 136539
Ion Ratio Lower Upper
284 100
142 38.6 28.1 42.1
249 30.9 25.0 37.6





#69
 Atrazine
 Concen: 53.656 ng
 RT: 17.069 min Scan# 2345
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

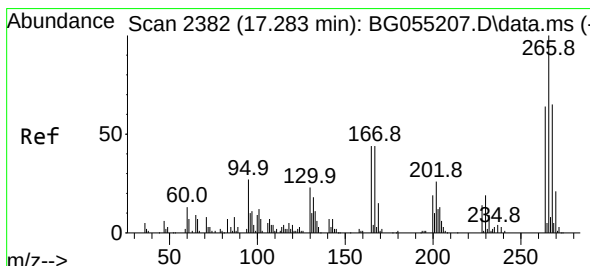
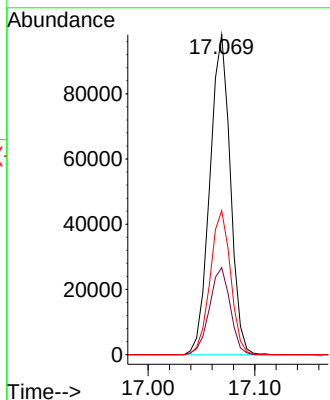
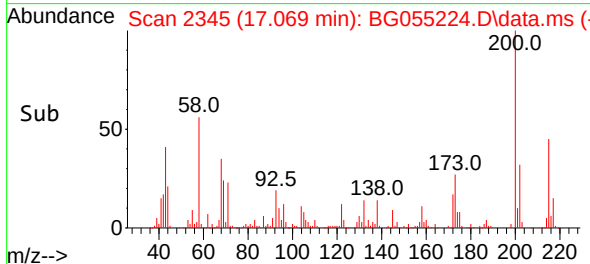
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD



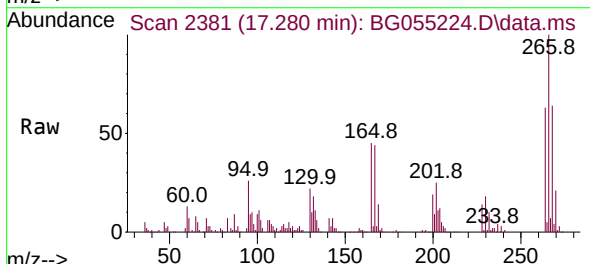
Tgt Ion:200 Resp: 130962
 Ion Ratio Lower Upper
 200 100
 173 27.2 6.8 46.8
 215 45.0 25.7 65.7

Manual Integrations
 APPROVED

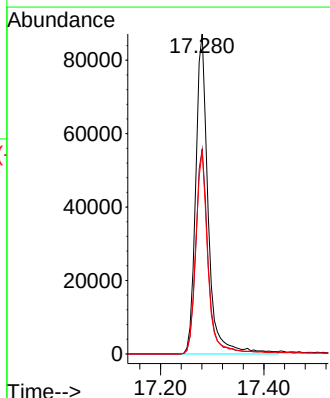
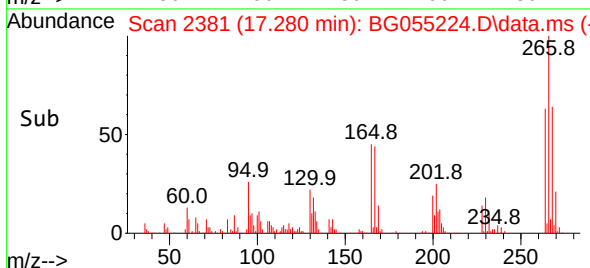
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022

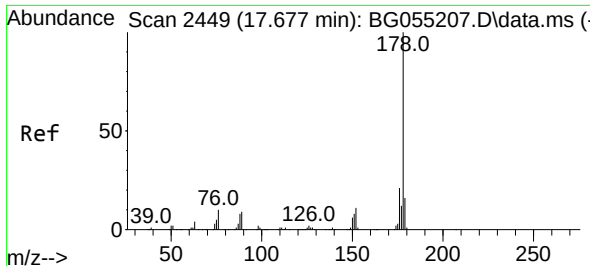


#70
 Pentachlorophenol
 Concen: 95.303 ng
 RT: 17.280 min Scan# 2381
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51



Tgt Ion:266 Resp: 145591
 Ion Ratio Lower Upper
 266 100
 268 64.0 55.8 83.6
 264 63.5 51.1 76.7





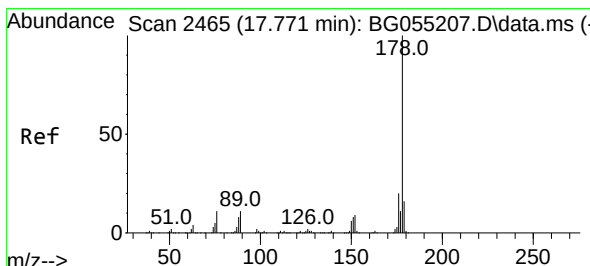
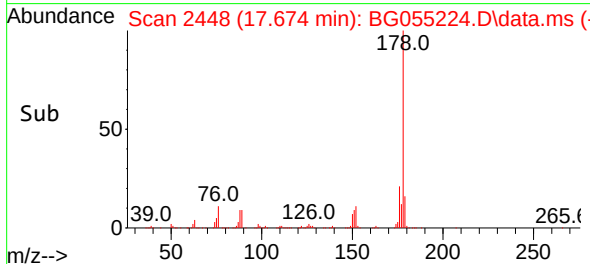
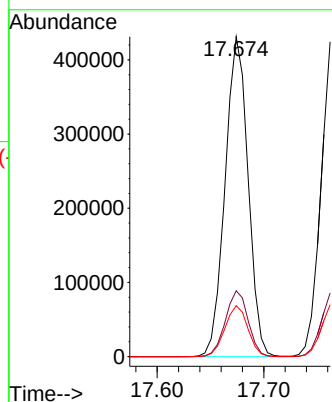
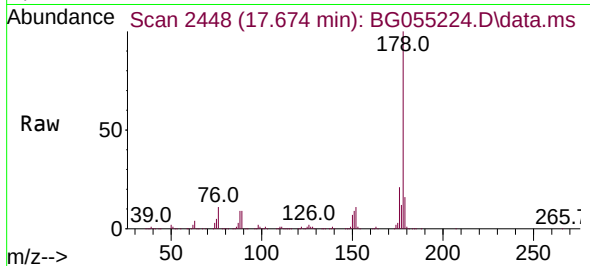
#71
Phenanthrene
Concen: 45.606 ng
RT: 17.674 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Tgt Ion:178 Resp: 645762
Ion Ratio Lower Upper
178 100
176 20.6 16.4 24.6
179 15.9 12.8 19.2

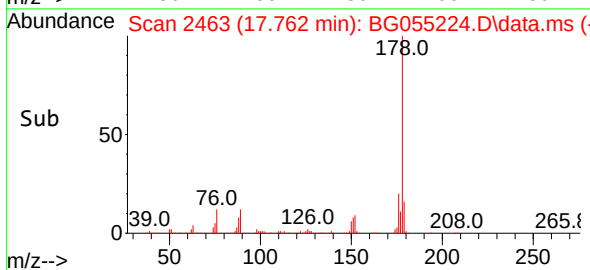
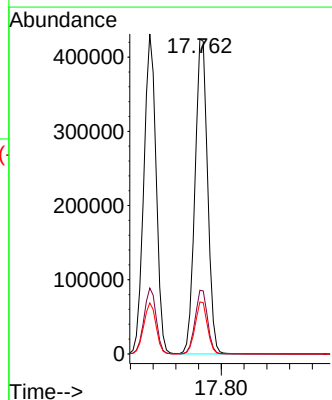
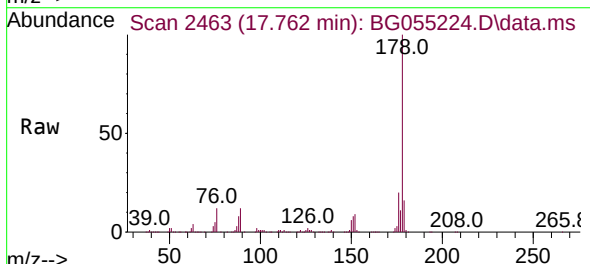
Manual Integrations
APPROVED

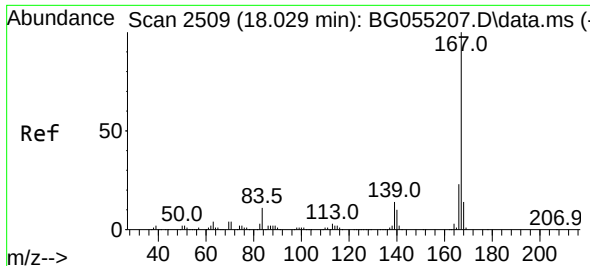
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#72
Anthracene
Concen: 47.001 ng
RT: 17.762 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

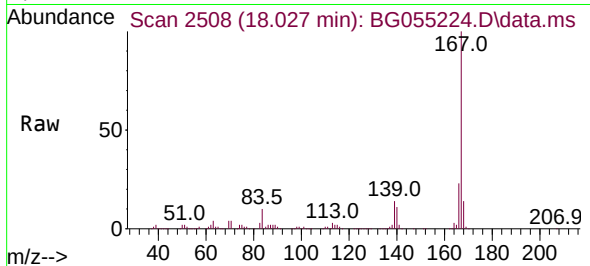
Tgt Ion:178 Resp: 650345
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 16.5 13.0 19.4





#73
 Carbazole
 Concen: 48.529 ng
 RT: 18.027 min Scan# 2508
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

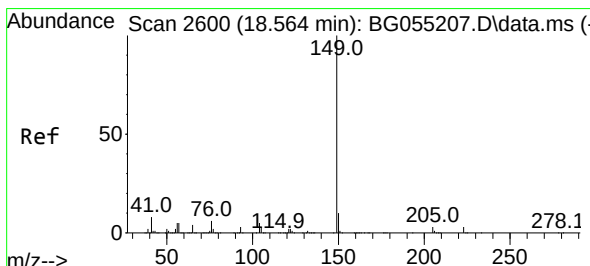
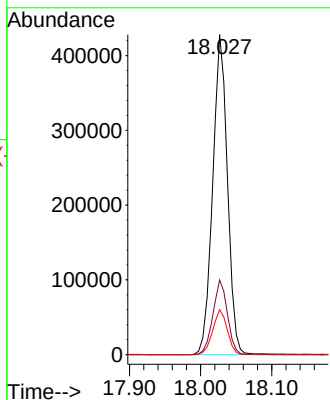
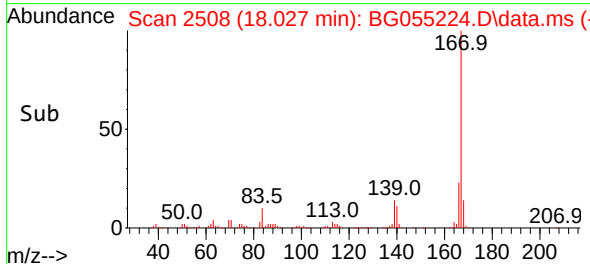
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD



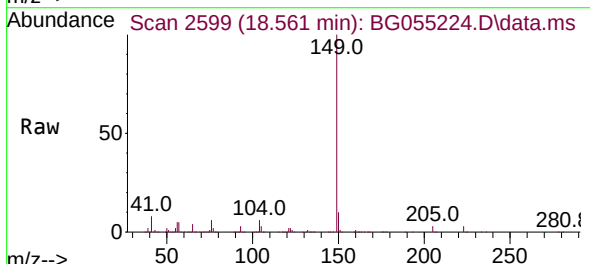
Tgt Ion:167 Resp: 618361
 Ion Ratio Lower Upper
 167 100
 166 23.3 18.5 27.7
 139 14.1 11.3 16.9

Manual Integrations
 APPROVED

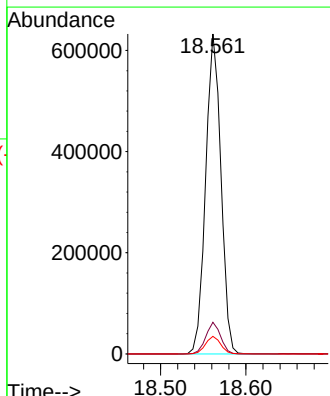
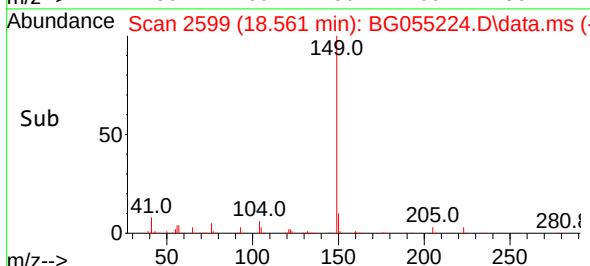
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022

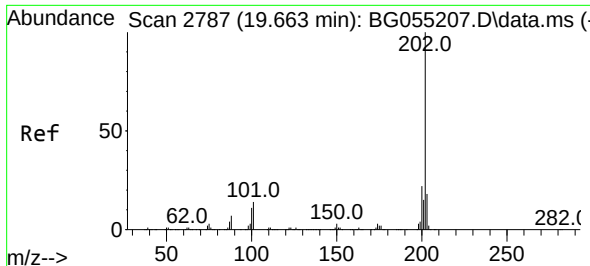


#74
 Di-n-butylphthalate
 Concen: 47.321 ng
 RT: 18.561 min Scan# 2599
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51



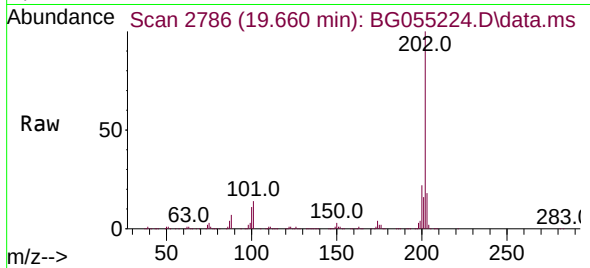
Tgt Ion:149 Resp: 786463
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.8 11.6
 104 5.5 4.4 6.6





#75
Fluoranthene
Concen: 45.337 ng
RT: 19.660 min Scan# 2110
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

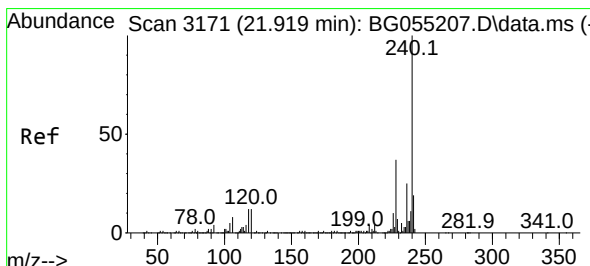
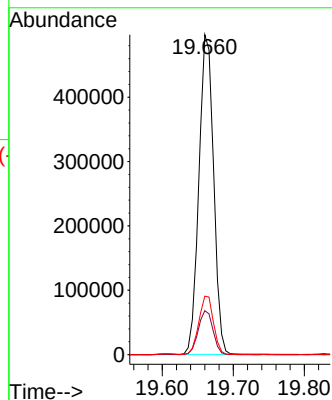
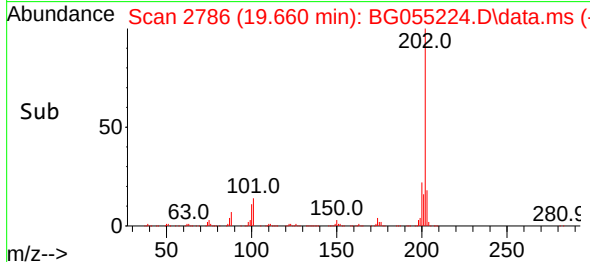
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:202 Resp: 711099
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.2
203 18.3 0.0 38.5

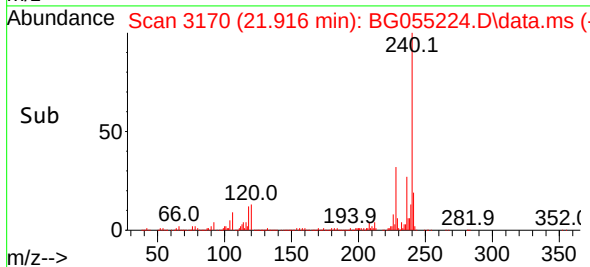
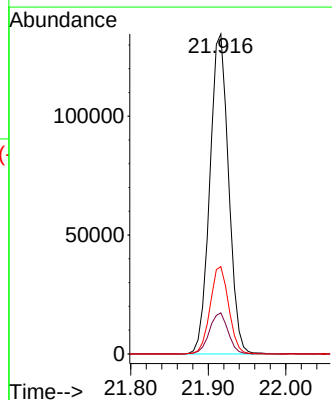
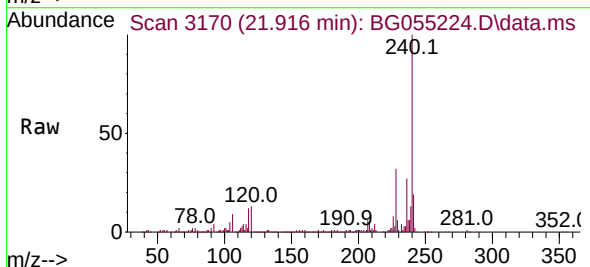
Manual Integrations
APPROVED

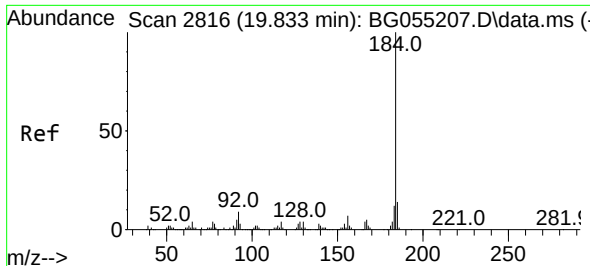
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3170
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

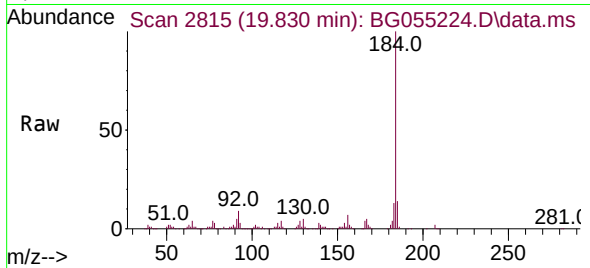
Tgt Ion:240 Resp: 226290
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 27.3 20.4 30.6





#77
Benzidine
Concen: 32.196 ng
RT: 19.830 min Scan# 2816
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

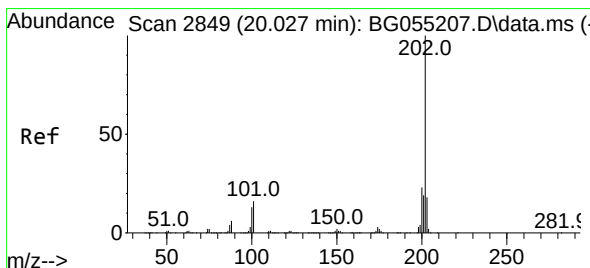
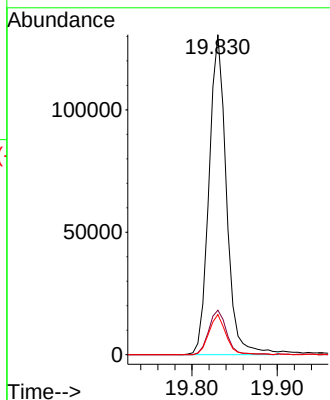
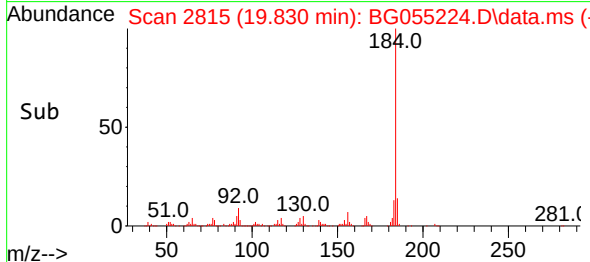
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion:184 Resp: 185272
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 12.5 9.8 14.6

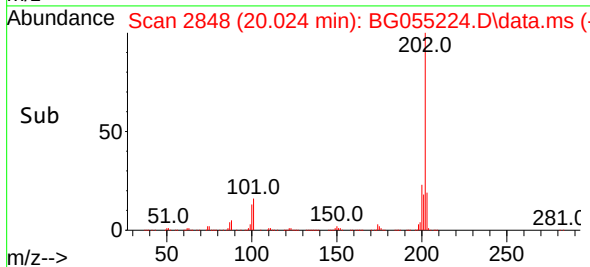
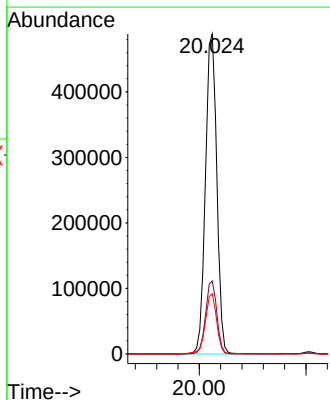
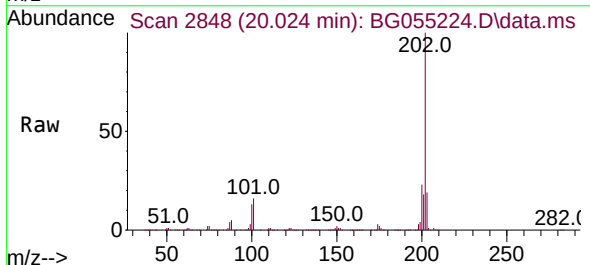
Manual Integrations
APPROVED

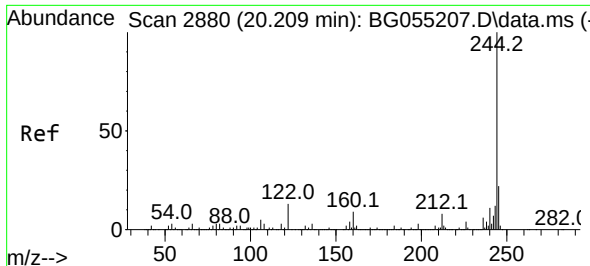
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#78
Pyrene
Concen: 42.304 ng
RT: 20.024 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

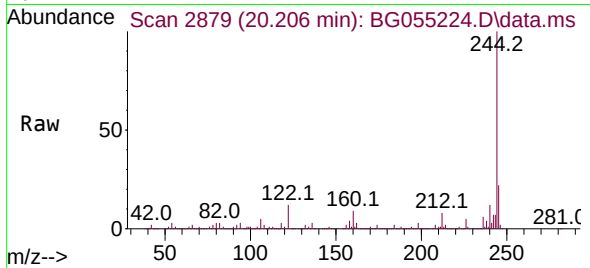
Tgt Ion:202 Resp: 721328
Ion Ratio Lower Upper
202 100
200 22.8 18.2 27.2
203 18.8 14.6 22.0





#79
 Terphenyl-d14
 Concen: 84.738 ng
 RT: 20.206 min Scan# 2880
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

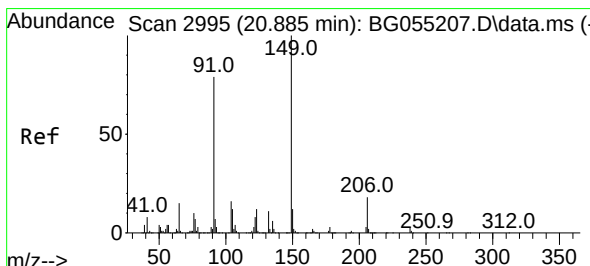
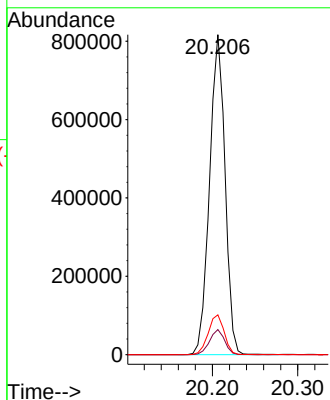
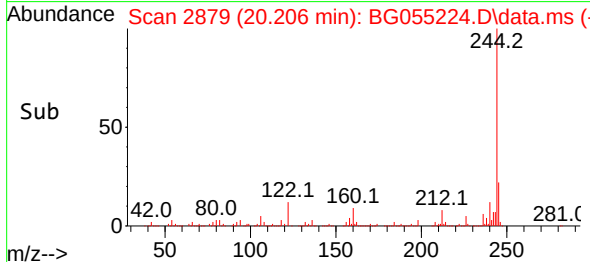
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD



Tgt Ion:244 Resp: 1029110
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 12.4 10.0 15.0

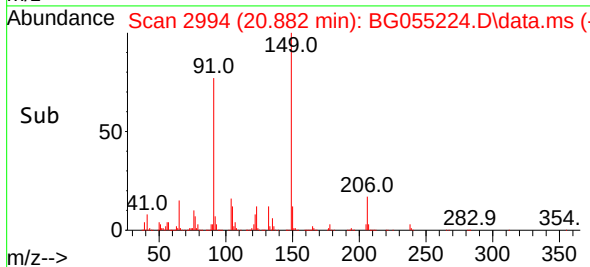
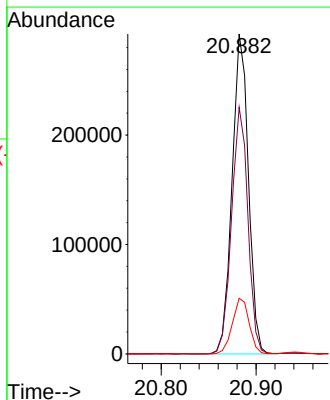
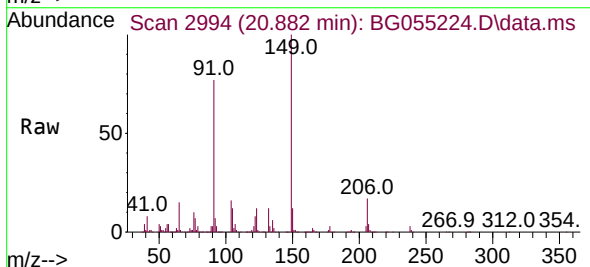
Manual Integrations
 APPROVED

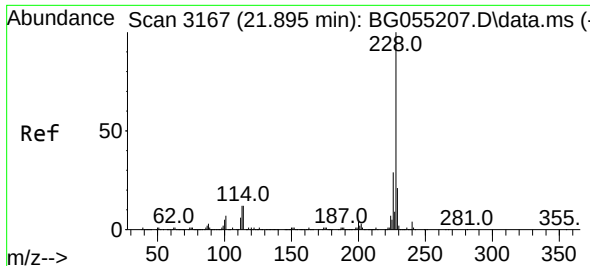
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#80
 Butylbenzylphthalate
 Concen: 44.070 ng
 RT: 20.882 min Scan# 2994
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

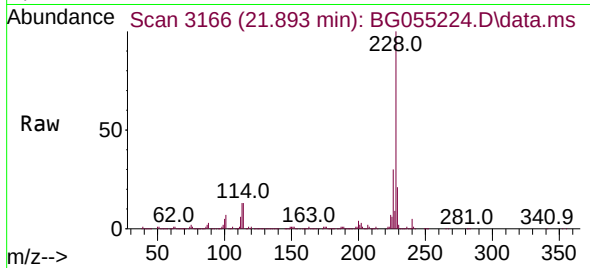
Tgt Ion:149 Resp: 351234
 Ion Ratio Lower Upper
 149 100
 91 77.1 63.2 94.8
 206 17.4 14.5 21.7





#81
Benzo(a)anthracene
Concen: 44.957 ng
RT: 21.893 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

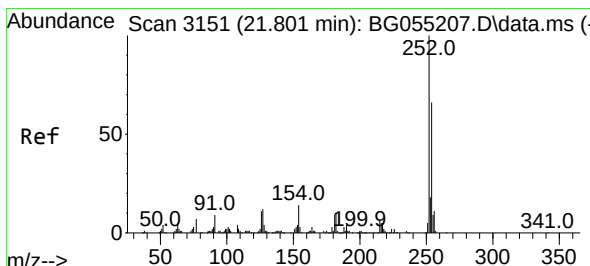
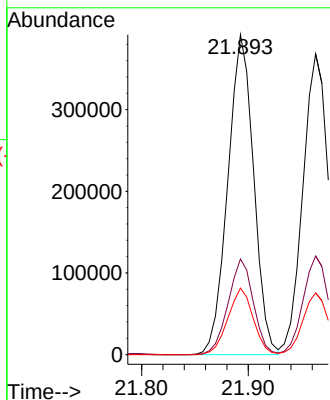
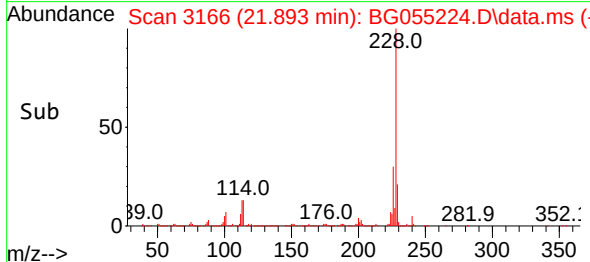
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:228 Resp: 659885
Ion Ratio Lower Upper
228 100
226 29.9 23.1 34.7
229 20.8 16.5 24.7

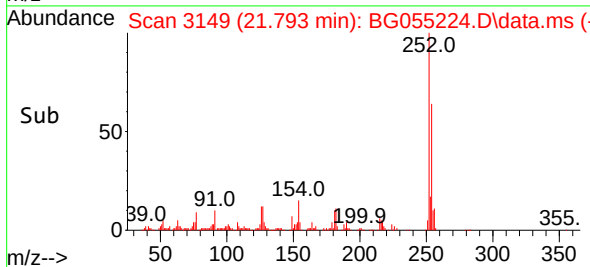
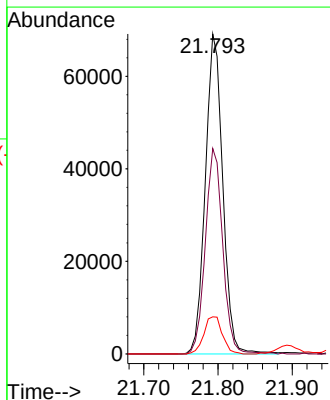
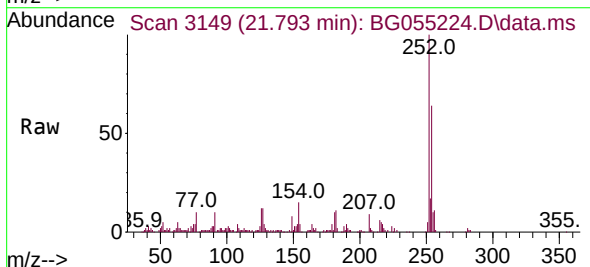
Manual Integrations
APPROVED

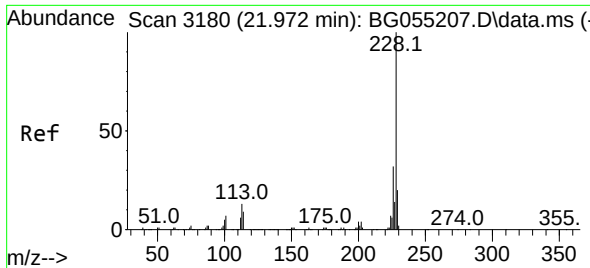
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 22.379 ng
RT: 21.793 min Scan# 3149
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

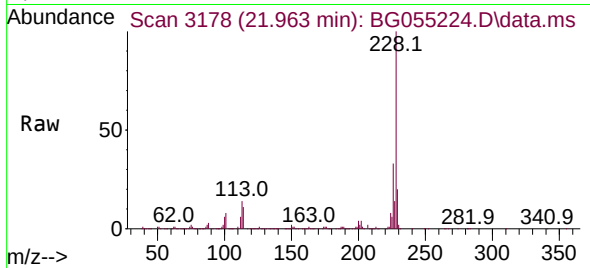
Tgt Ion:252 Resp: 112788
Ion Ratio Lower Upper
252 100
254 64.2 52.8 79.2
126 11.6 9.0 13.6





#83
Chrysene
Concen: 44.970 ng
RT: 21.963 min Scan# 3180
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

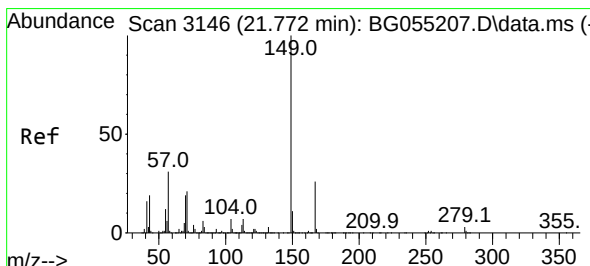
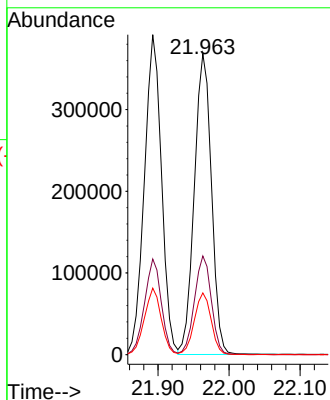
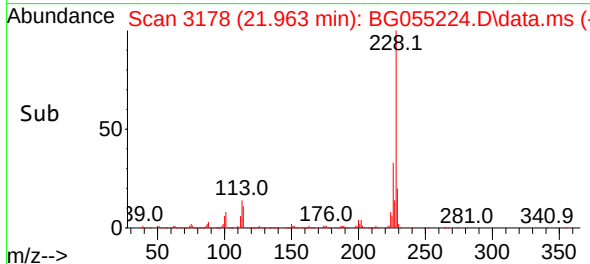
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:228 Resp: 614711
Ion Ratio Lower Upper
228 100
226 32.8 25.4 38.2
229 20.5 15.8 23.8

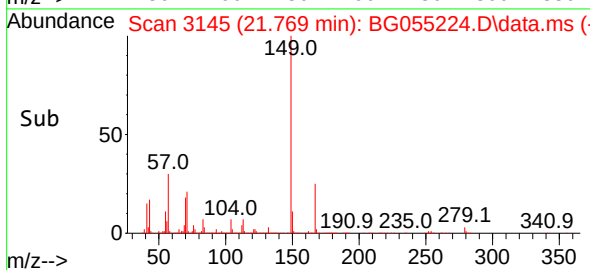
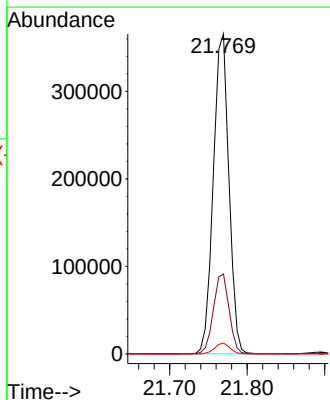
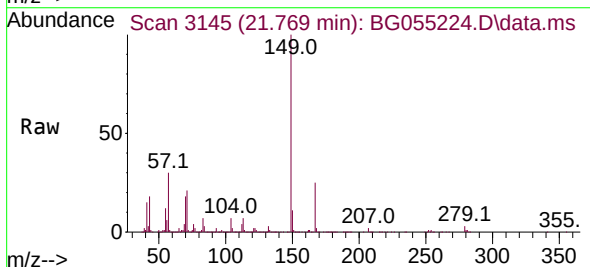
Manual Integrations
APPROVED

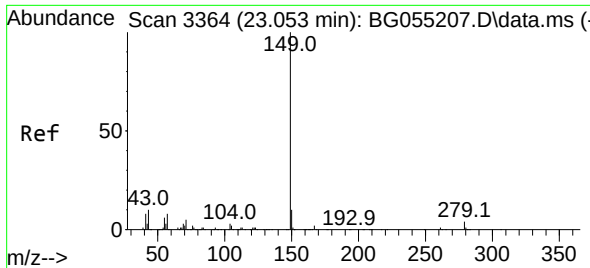
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.934 ng
RT: 21.769 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

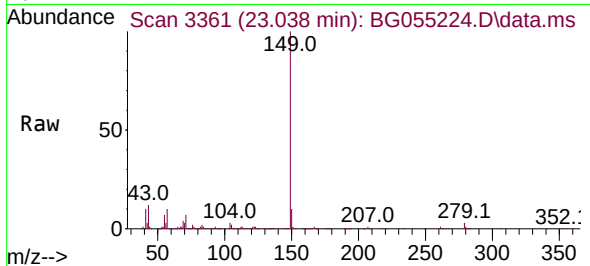
Tgt Ion:149 Resp: 510284
Ion Ratio Lower Upper
149 100
167 25.0 20.6 31.0
279 3.4 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 54.755 ng
RT: 23.038 min Scan# 3364
Delta R.T. -0.015 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

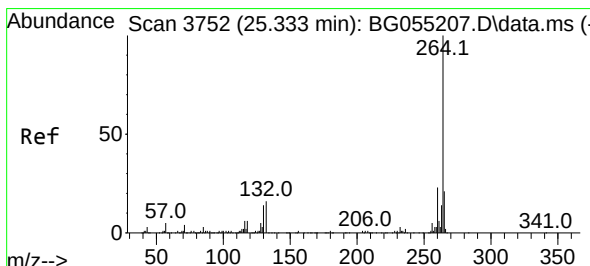
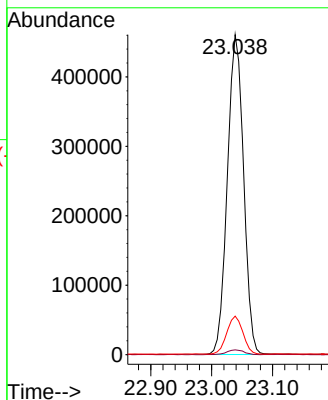
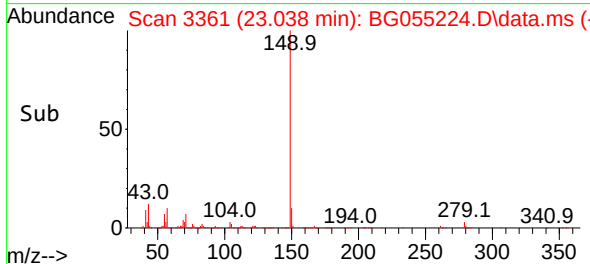
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:149 Resp: 851297
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.8 7.8 11.8

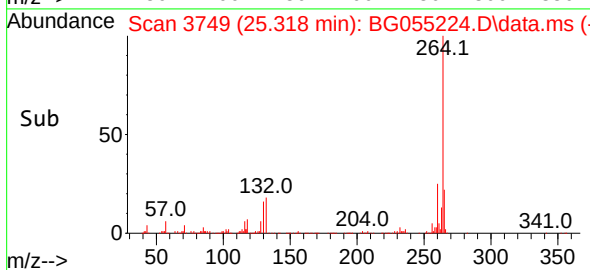
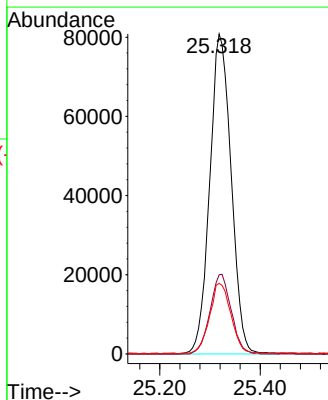
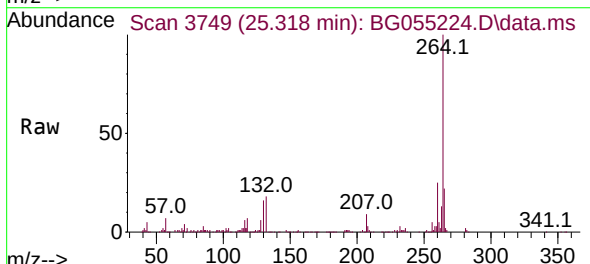
Manual Integrations
APPROVED

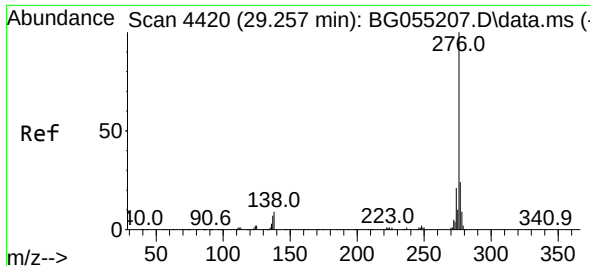
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.318 min Scan# 3749
Delta R.T. -0.014 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

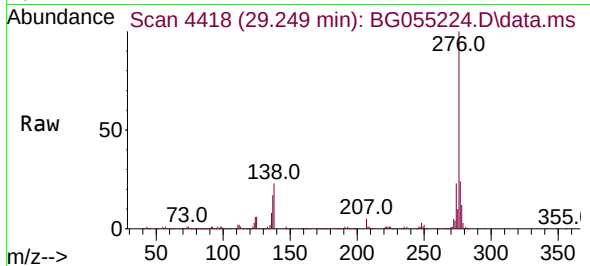
Tgt Ion:264 Resp: 239304
Ion Ratio Lower Upper
264 100
260 24.7 18.6 27.8
265 22.0 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 46.620 ng
 RT: 29.249 min Scan# 4418
 Delta R.T. -0.009 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

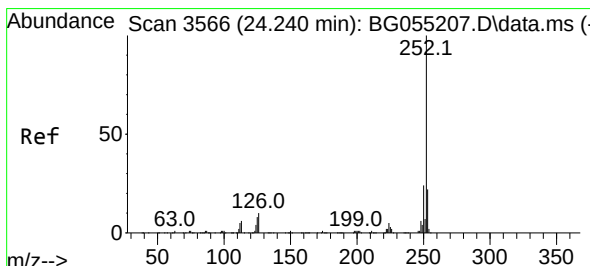
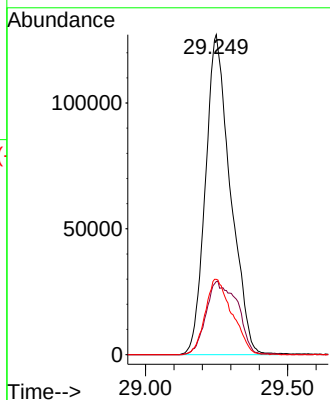
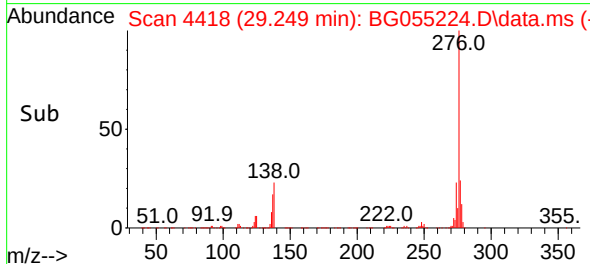
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMSD



Tgt Ion:276 Resp: 77594
 Ion Ratio Lower Upper
 276 100
 138 28.6 9.5 14.3
 277 25.5 20.5 30.7

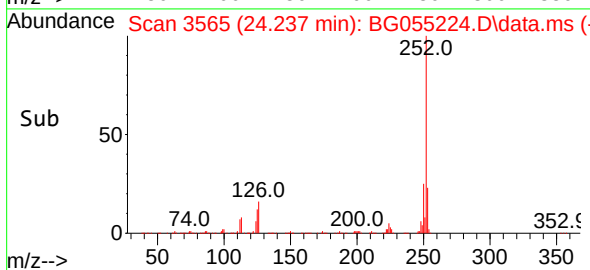
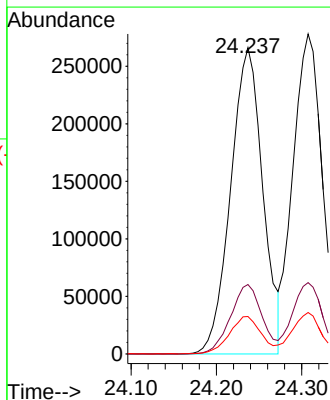
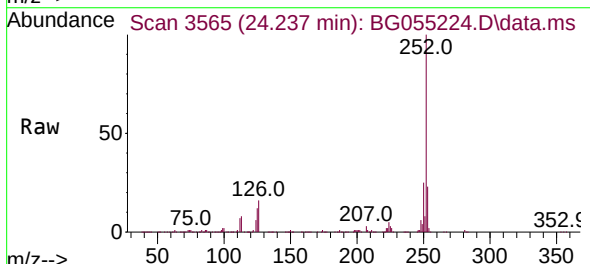
Manual Integrations
 APPROVED

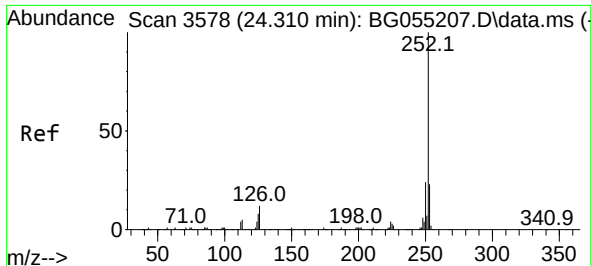
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#88
 Benzo(b)fluoranthene
 Concen: 49.023 ng
 RT: 24.237 min Scan# 3565
 Delta R.T. -0.003 min
 Lab File: BG055224.D
 Acq: 20 Oct 2022 17:51

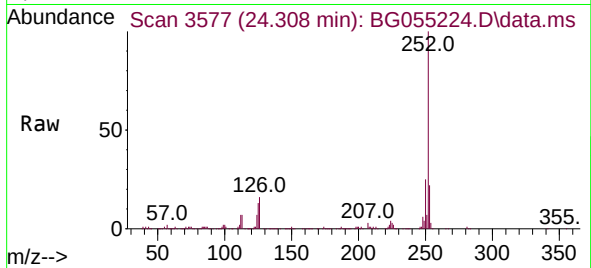
Tgt Ion:252 Resp: 696648
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.6
 125 12.2 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 46.205 ng
RT: 24.308 min Scan# 3578
Delta R.T. -0.003 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

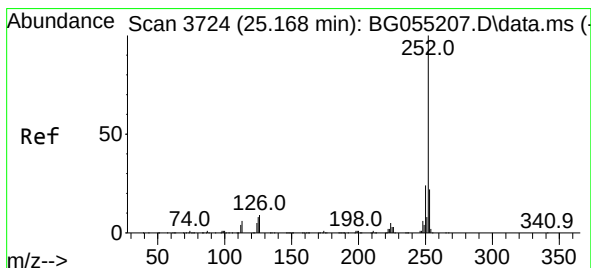
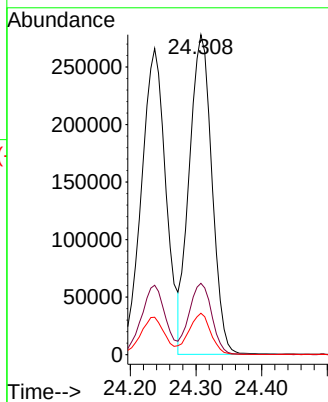
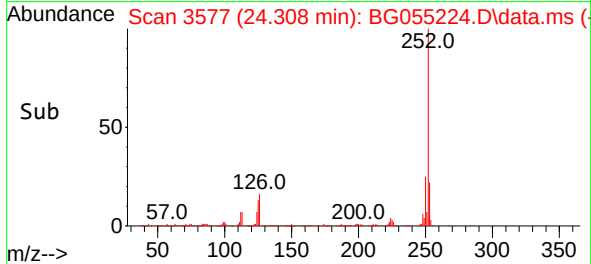
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMSD



Tgt Ion:252 Resp: 664979
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 13.0 6.5 9.7

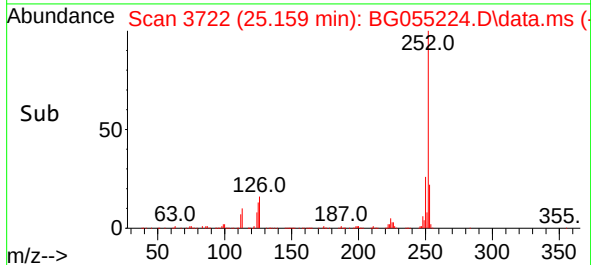
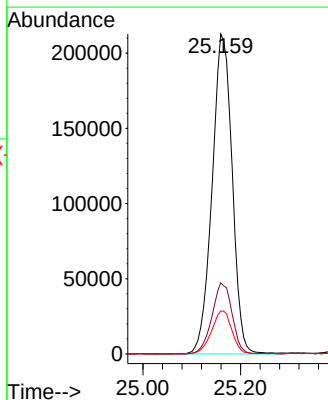
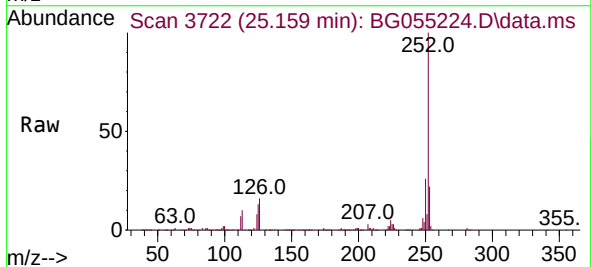
Manual Integrations
APPROVED

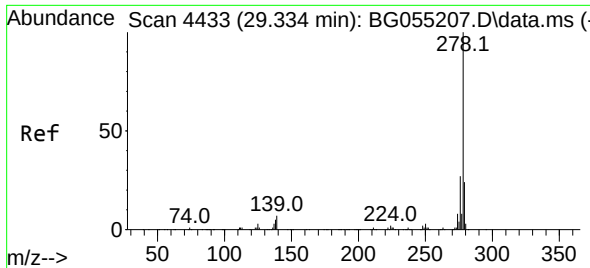
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#90
Benzo(a)pyrene
Concen: 49.754 ng
RT: 25.159 min Scan# 3722
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

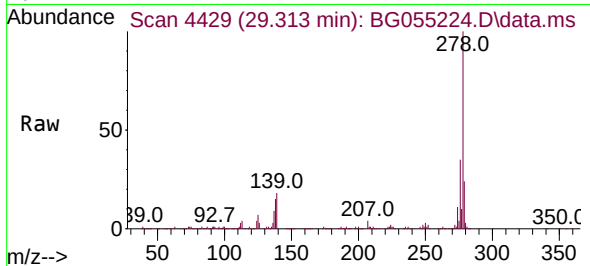
Tgt Ion:252 Resp: 606862
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 13.4 6.2 9.2





#91
Dibenzo(a,h)anthracene
Concen: 48.545 ng
RT: 29.313 min Scan# 4433
Delta R.T. -0.020 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

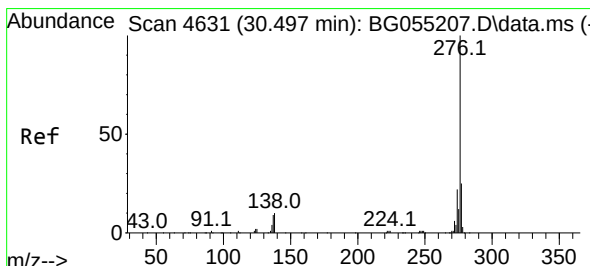
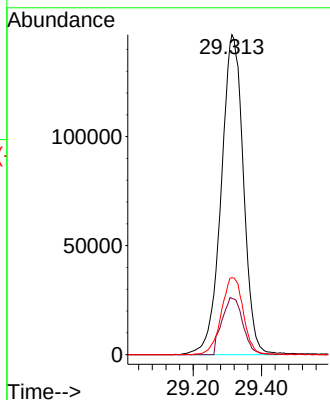
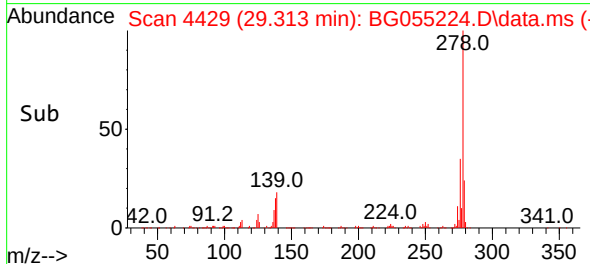
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD



Tgt Ion:278 Resp: 661950
Ion Ratio Lower Upper
278 100
139 17.5 5.6 8.4#
279 24.0 19.5 29.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#92
Benzo(g,h,i)perylene
Concen: 49.434 ng
RT: 30.489 min Scan# 4629
Delta R.T. -0.009 min
Lab File: BG055224.D
Acq: 20 Oct 2022 17:51

Tgt Ion:276 Resp: 652989
Ion Ratio Lower Upper
276 100
277 24.7 19.7 29.5
138 24.0 8.0 12.0#

