

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
 Data File : BG055223.D
 Acq On : 20 Oct 2022 17:09
 Operator : CG/JU
 Sample : N5183-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 20 18:25:47 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.288	152	43544	20.000	ng	0.00
21) Naphthalene-d8	11.114	136	195988	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	125388	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	267302	20.000	ng	0.00
76) Chrysene-d12	21.913	240	230579	20.000	ng	0.00
86) Perylene-d12	25.321	264	239633	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	394561	163.024	ng	0.00
7) Phenol-d6	7.424	99	492668	133.588	ng	0.00
23) Nitrobenzene-d5	9.463	82	367661	90.566	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	190045	146.270	ng	0.00
45) 2-Fluorobiphenyl	13.529	172	721414	91.900	ng	0.00
79) Terphenyl-d14	20.209	244	1052140	85.023	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.634	88	50479	42.888	ng	# 23
3) Pyridine	4.051	79	118607	32.002	ng	98
4) n-Nitrosodimethylamine	3.952	42	76054	43.852	ng	100
6) Aniline	7.600	93	106987	22.377	ng	98
8) 2-Chlorophenol	7.847	128	149289	51.017	ng	99
9) Benzaldehyde	7.412	77	87996	34.325	ng	96
10) Phenol	7.453	94	176810	42.436	ng	99
11) bis(2-Chloroethyl)ether	7.688	93	156352	48.739	ng	98
12) 1,3-Dichlorobenzene	8.176	146	148470	46.773	ng	99
13) 1,4-Dichlorobenzene	8.323	146	150142	46.304	ng	99
14) 1,2-Dichlorobenzene	8.646	146	147759	47.825	ng	98
15) Benzyl Alcohol	8.523	79	150916m	47.648	ng	
16) 2,2'-oxybis(1-Chloropr...	8.811	45	268146	46.380	ng	98
17) 2-Methylphenol	8.722	107	137255	47.591	ng	96
18) Hexachloroethane	9.386	117	56563	48.194	ng	99
19) n-Nitroso-di-n-propyla...	9.093	70	138112	43.664	ng	98
20) 3+4-Methylphenols	9.051	107	184247	45.452	ng	99
22) Acetophenone	9.116	105	243226	45.880	ng	# 97
24) Nitrobenzene	9.504	77	190527	43.891	ng	96
25) Isophorone	10.027	82	372365	44.832	ng	99
26) 2-Nitrophenol	10.215	139	83942	49.158	ng	97
27) 2,4-Dimethylphenol	10.262	122	152127	55.943	ng	97
28) bis(2-Chloroethoxy)met...	10.503	93	217374	54.464	ng	99
29) 2,4-Dichlorophenol	10.755	162	141095	48.597	ng	99
30) 1,2,4-Trichlorobenzene	10.973	180	134392	45.210	ng	99
31) Naphthalene	11.167	128	506916	49.017	ng	99
32) Benzoic acid	10.385	122	53702	27.589	ng	97
33) 4-Chloroaniline	11.272	127	28025	6.581	ng	99
34) Hexachlorobutadiene	11.443	225	77524	43.188	ng	98
35) Caprolactam	12.030	113	43821m	34.345	ng	
36) 4-Chloro-3-methylphenol	12.365	107	168505	44.635	ng	99
37) 2-Methylnaphthalene	12.753	142	334770	42.558	ng	99
38) 1-Methylnaphthalene	12.964	142	321914	41.454	ng	100
40) 1,2,4,5-Tetrachloroben...	13.111	216	147903	50.183	ng	99
41) Hexachlorocyclopentadiene	13.088	237	142857	106.434	ng	98
43) 2,4,6-Trichlorophenol	13.341	196	106456	47.458	ng	98

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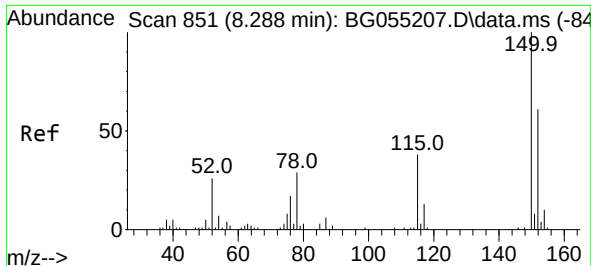
Manual Integrations
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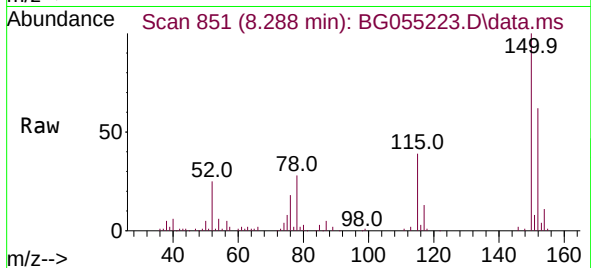
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.417	196	115319	46.859	ng	97
46) 1,1'-Biphenyl	13.740	154	440088	49.567	ng	99
47) 2-Chloronaphthalene	13.787	162	324970	47.542	ng	100
48) 2-Nitroaniline	13.981	65	126317	45.537	ng	98
49) Acenaphthylene	14.627	152	544938	46.602	ng	99
50) Dimethylphthalate	14.339	163	433593	43.962	ng	99
51) 2,6-Dinitrotoluene	14.463	165	91191	46.079	ng	96
52) Acenaphthene	14.962	154	374307m	50.275	ng	
53) 3-Nitroaniline	14.792	138	51918	21.061	ng	96
54) 2,4-Dinitrophenol	14.997	184	84583	84.780	ng	100
55) Dibenzofuran	15.291	168	505647	47.151	ng	99
56) 4-Nitrophenol	15.091	139	159088	91.783	ng	99
57) 2,4-Dinitrotoluene	15.244	165	129705	46.873	ng	100
58) Fluorene	15.937	166	413338	45.768	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.514	232	96071	44.828	ng	98
60) Diethylphthalate	15.691	149	452991	43.903	ng	99
61) 4-Chlorophenyl-phenylether	15.920	204	199049	47.485	ng	99
62) 4-Nitroaniline	15.949	138	105551	42.211	ng	99
63) Azobenzene	16.214	77	482194	46.239	ng	99
65) 4,6-Dinitro-2-methylph...	16.008	198	61086	42.782	ng	94
66) n-Nitrosodiphenylamine	16.131	169	357938	47.980	ng	100
67) 4-Bromophenyl-phenylether	16.813	248	124151	47.652	ng	100
68) Hexachlorobenzene	16.936	284	135124	47.388	ng	94
69) Atrazine	17.066	200	134012	54.503	ng	98
70) Pentachlorophenol	17.277	266	150157	97.575	ng	96
71) Phenanthrene	17.677	178	652396	45.738	ng	99
72) Anthracene	17.765	178	655744	47.046	ng	99
73) Carbazole	18.029	167	626724	48.827	ng	99
74) Di-n-butylphthalate	18.564	149	815678	48.721	ng	100
75) Fluoranthene	19.663	202	731018	46.267	ng	100
77) Benzidine	19.827	184	176401	30.085	ng	99
78) Pyrene	20.021	202	729498	41.987	ng	99
80) Butylbenzylphthalate	20.885	149	356194	43.861	ng	98
81) Benzo(a)anthracene	21.895	228	670846	44.854	ng	100
82) 3,3'-Dichlorobenzidine	21.795	252	105458	20.535	ng	98
83) Chrysene	21.966	228	621116	44.594	ng	99
84) Bis(2-ethylhexyl)phtha...	21.766	149	520174	48.955	ng	99
85) Di-n-octyl phthalate	23.041	149	867926	54.786	ng	96
87) Indeno(1,2,3-cd)pyrene	29.251	276	776142	46.568	ng	# 86
88) Benzo(b)fluoranthene	24.234	252	690174	48.501	ng	# 96
89) Benzo(k)fluoranthene	24.310	252	683001	47.392	ng	# 96
90) Benzo(a)pyrene	25.168	252	609009	49.862	ng	# 95
91) Dibenzo(a,h)anthracene	29.322	278	668187	48.936	ng	# 92
92) Benzo(g,h,i)perylene	30.485	276	661199	49.987	ng	# 89

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.288 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

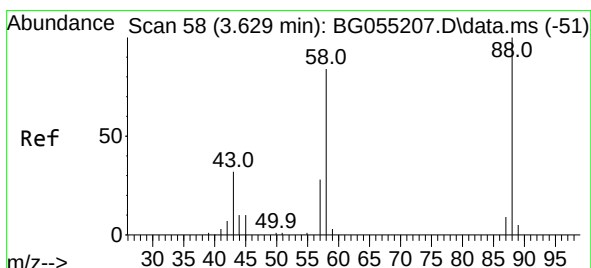
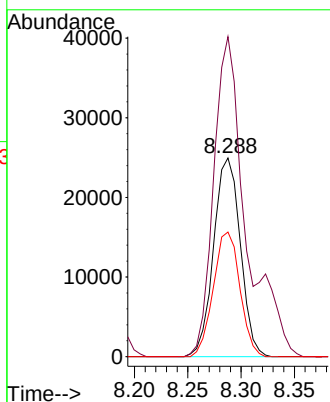
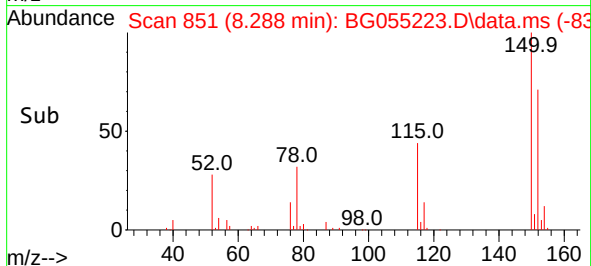
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMS



Tgt Ion:152 Resp: 43544
 Ion Ratio Lower Upper
 152 100
 150 161.1 130.2 195.2
 115 62.7 50.0 75.0

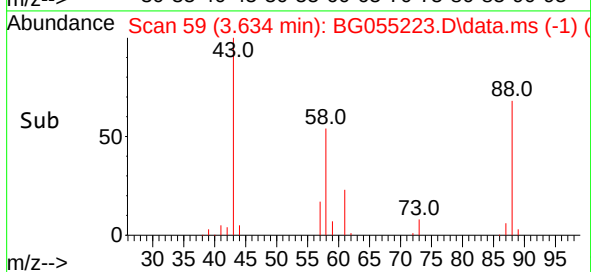
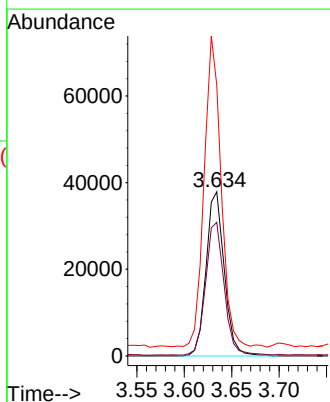
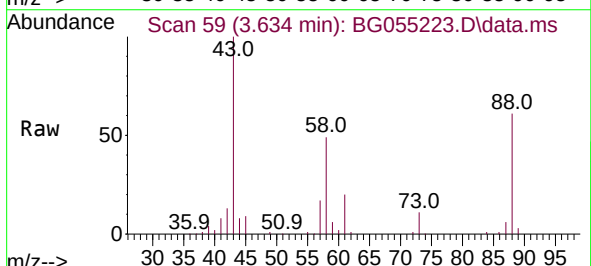
Manual Integrations
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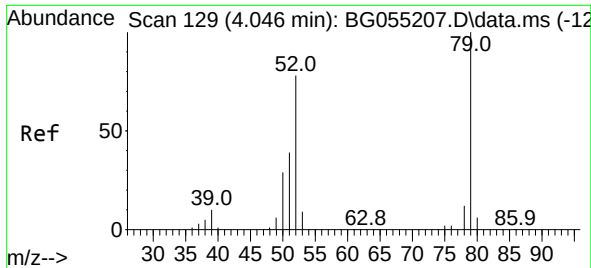
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#2
 1,4-Dioxane
 Concen: 42.888 ng
 RT: 3.634 min Scan# 59
 Delta R.T. 0.006 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

Tgt Ion: 88 Resp: 50479
 Ion Ratio Lower Upper
 88 100
 58 82.7 63.9 95.9
 43 177.8 26.0 39.0#





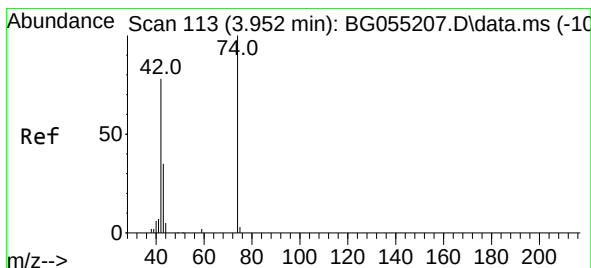
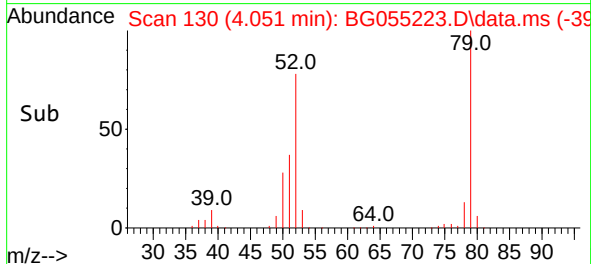
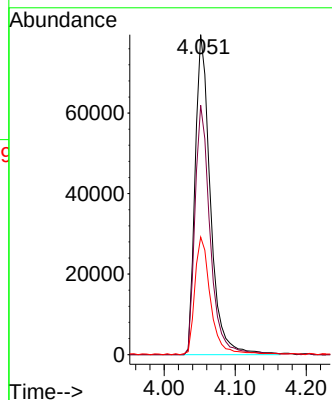
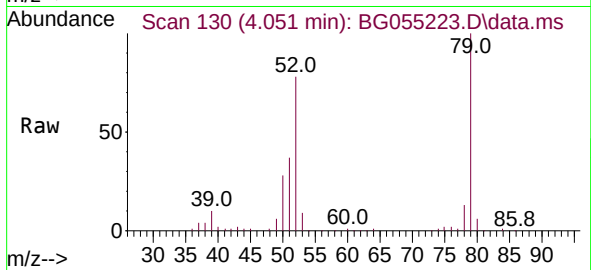
#3
Pyridine
Concen: 32.002 ng
RT: 4.051 min Scan# 113
Delta R.T. 0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion: 79 Resp: 118607
Ion Ratio Lower Upper
79 100
52 77.9 62.7 94.1
51 36.7 31.4 47.0

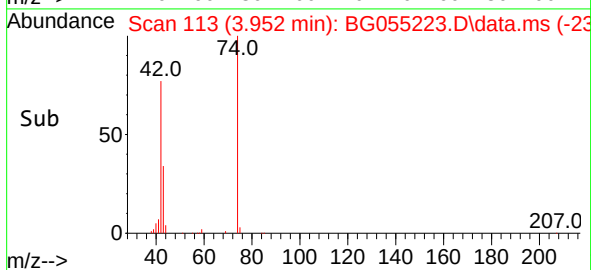
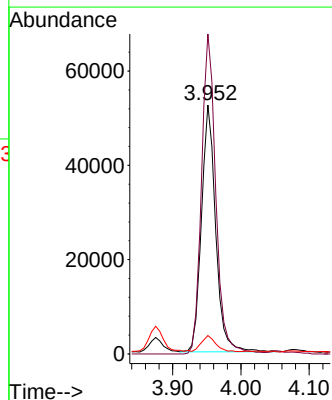
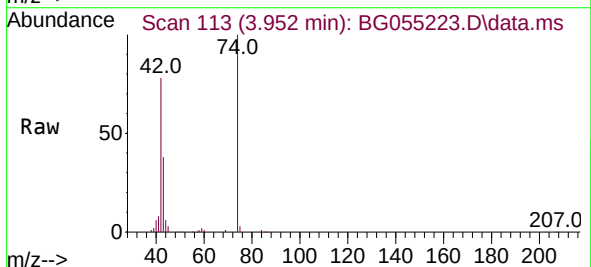
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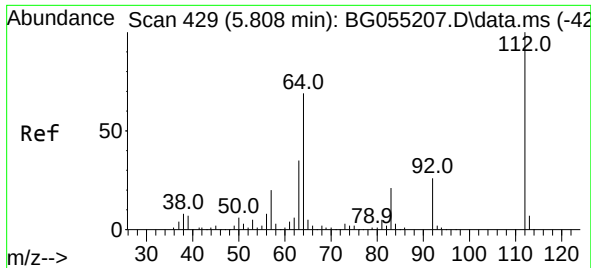
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#4
n-Nitrosodimethylamine
Concen: 43.852 ng
RT: 3.952 min Scan# 113
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Tgt Ion: 42 Resp: 76054
Ion Ratio Lower Upper
42 100
74 128.6 102.7 154.1
44 7.4 5.4 8.2





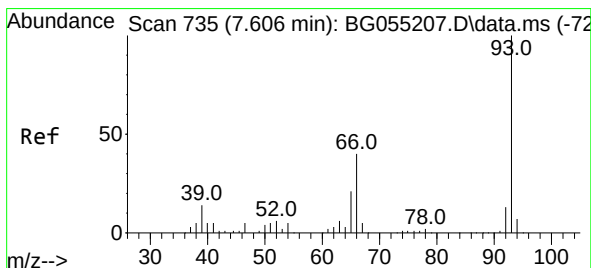
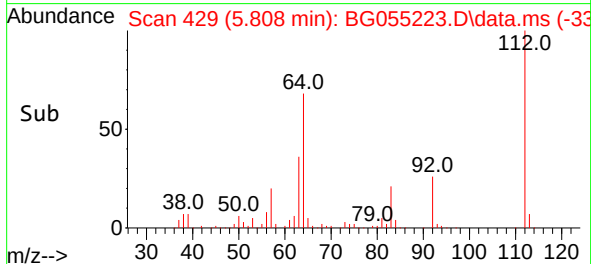
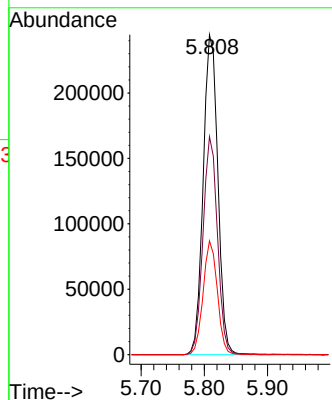
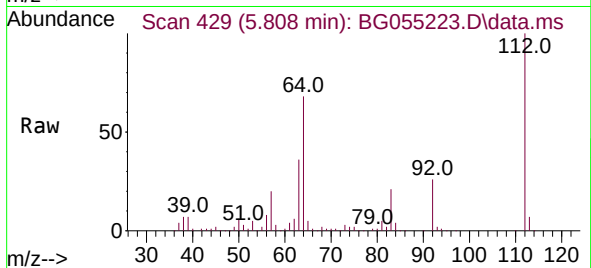
#5
2-Fluorophenol
Concen: 163.024 ng
RT: 5.808 min Scan# 429
Delta R.T. 0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:112 Resp: 394561
Ion Ratio Lower Upper
112 100
64 68.1 55.1 82.7
63 35.6 27.8 41.6

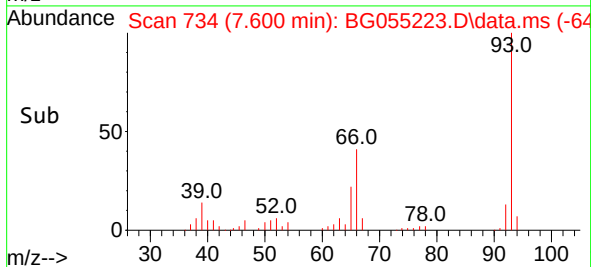
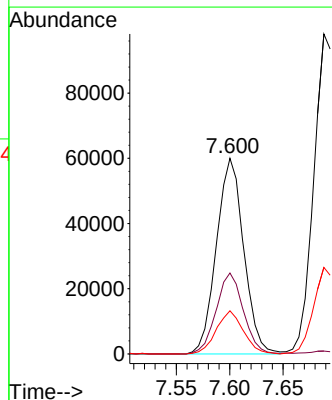
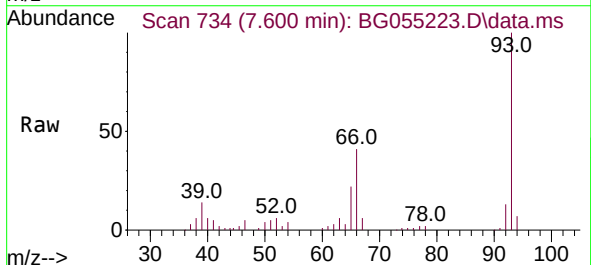
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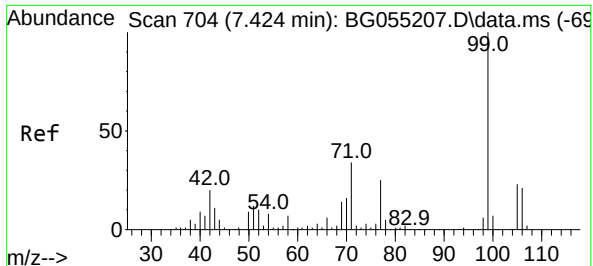
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#6
Aniline
Concen: 22.377 ng
RT: 7.600 min Scan# 734
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Tgt Ion: 93 Resp: 106987
Ion Ratio Lower Upper
93 100
66 41.3 32.3 48.5
65 22.0 16.9 25.3





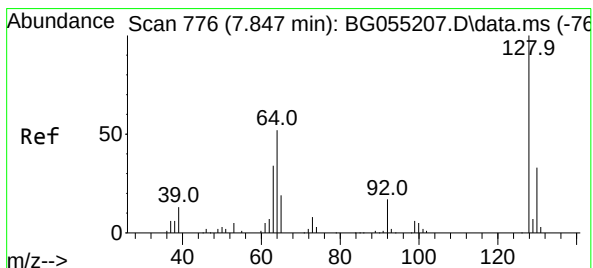
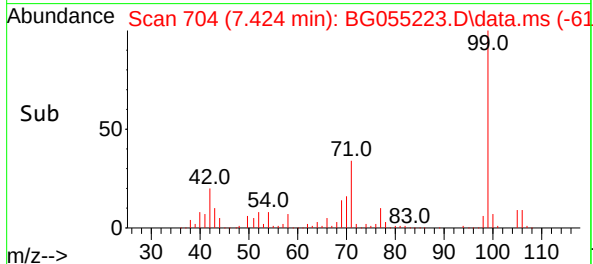
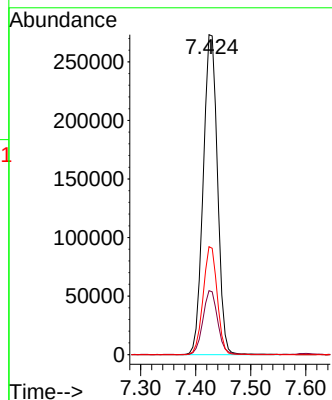
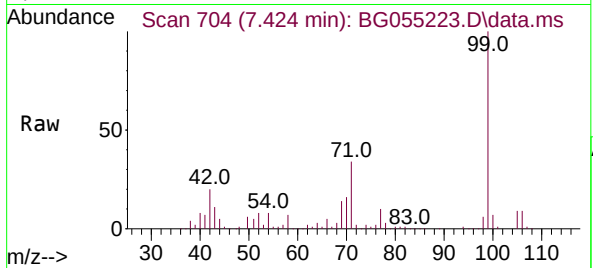
#7
Phenol-d6
Concen: 133.588 ng
RT: 7.424 min Scan# 704
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 492668
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.4
71 33.7 27.3 40.9

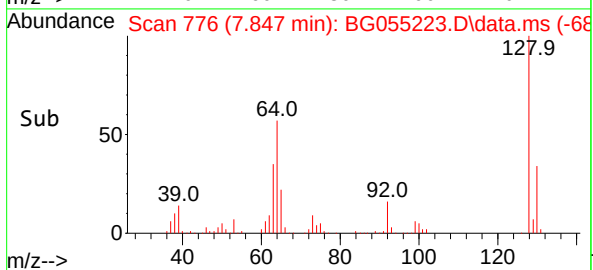
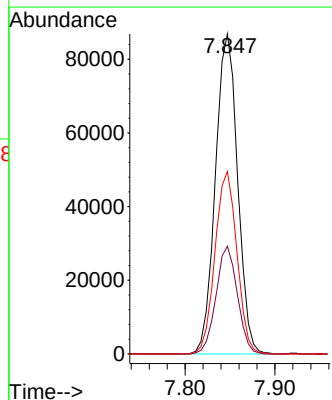
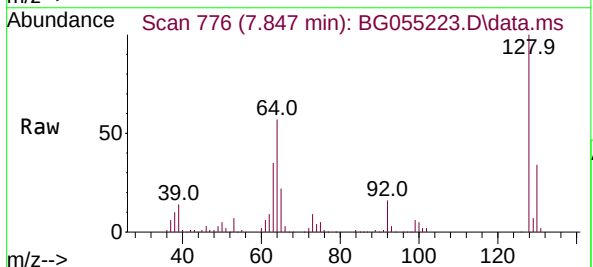
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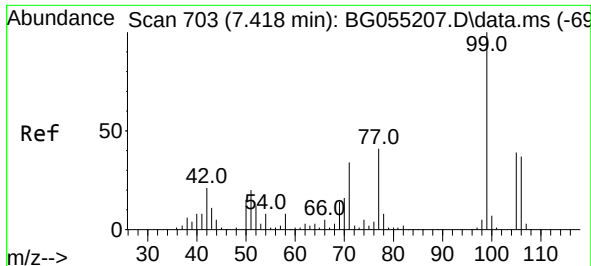
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Supervised By :Jagrut Upadhyay 10/21/2022



#8
2-Chlorophenol
Concen: 51.017 ng
RT: 7.847 min Scan# 776
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

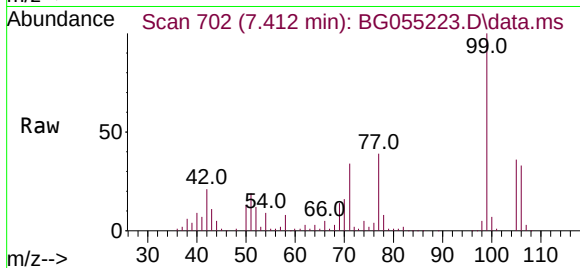
Tgt Ion:128 Resp: 149289
Ion Ratio Lower Upper
128 100
130 33.6 12.6 52.6
64 57.0 36.2 76.2





#9
Benzaldehyde
Concen: 34.325 ng
RT: 7.412 min Scan# 703
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

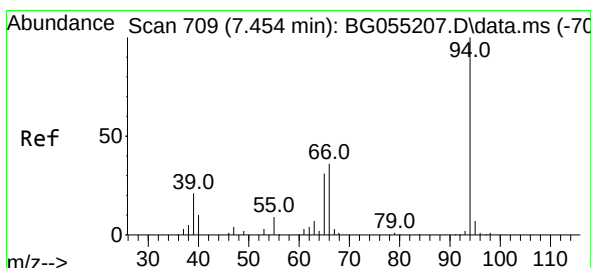
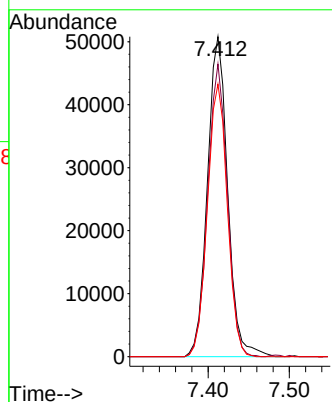
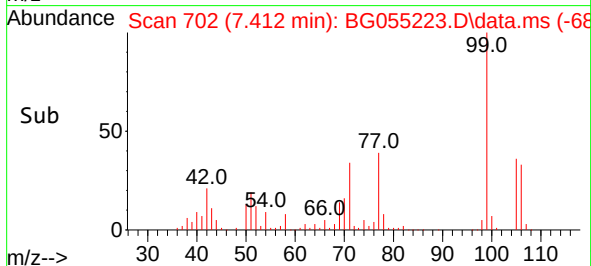
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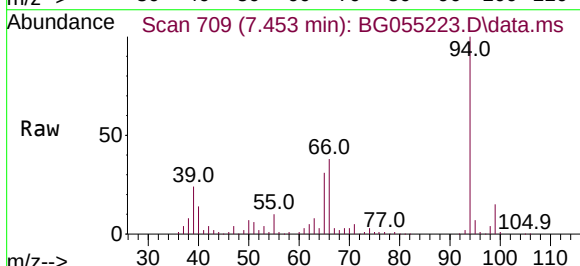
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Ion Ratio Lower Upper
77 100
105 91.4 74.9 114.9
106 85.1 69.5 109.5

Manual Integrations
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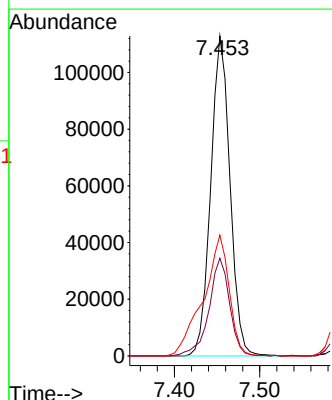
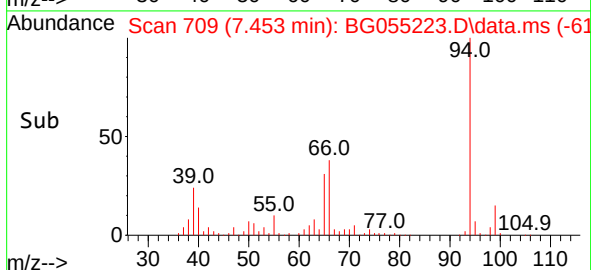
Reviewed By :Christian Giraldo 10/21/2022
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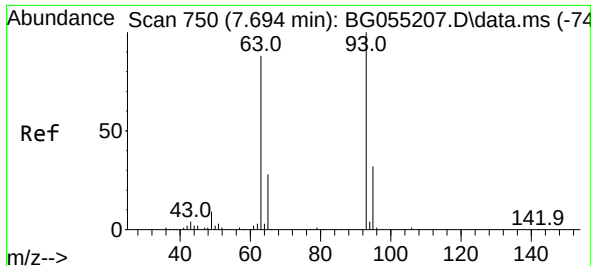


#10
Phenol
Concen: 42.436 ng
RT: 7.453 min Scan# 709
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



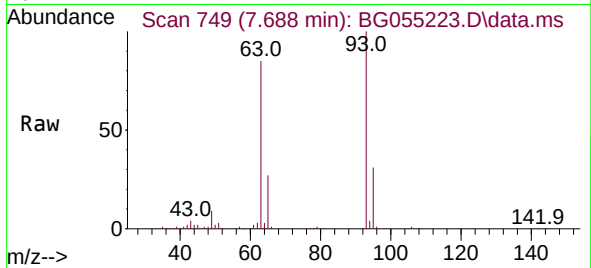
Tgt Ion: 94 Resp: 176810
Ion Ratio Lower Upper
94 100
65 30.5 11.0 51.0
66 37.7 17.4 57.4





#11
bis(2-Chloroethyl)ether
Concen: 48.739 ng
RT: 7.688 min Scan# 749
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

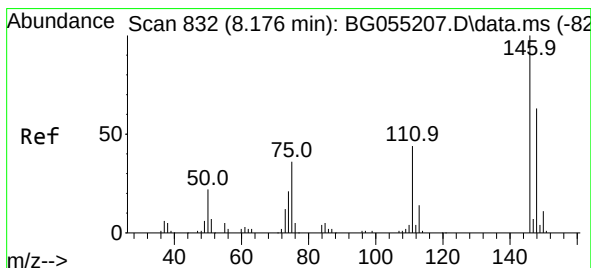
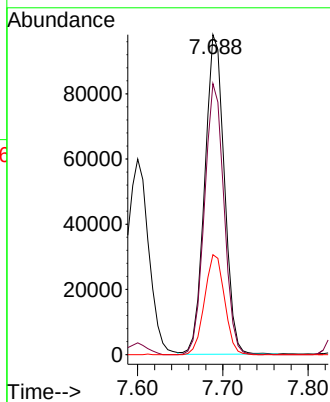
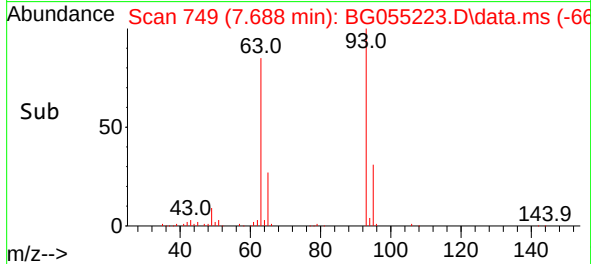
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion: 93 Resp: 156352
Ion Ratio Lower Upper
93 100
63 84.7 67.0 107.0
95 31.2 11.6 51.6

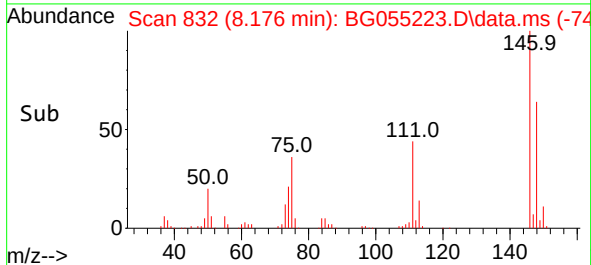
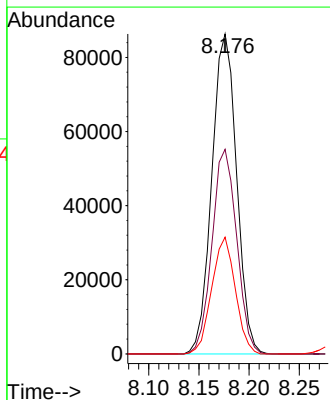
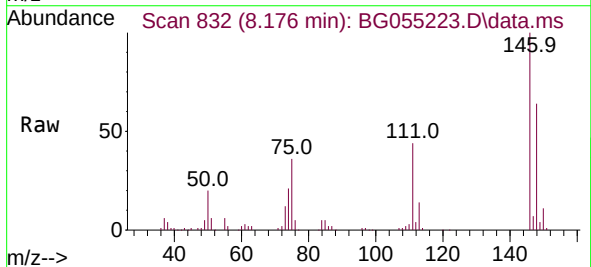
Manual Integrations
APPROVED

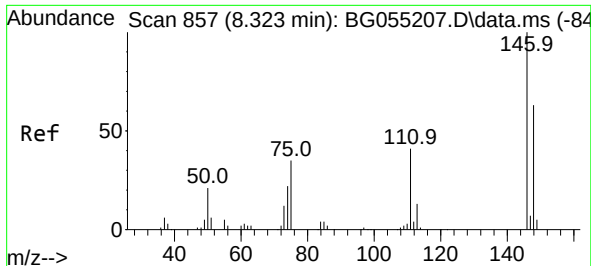
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#12
1,3-Dichlorobenzene
Concen: 46.773 ng
RT: 8.176 min Scan# 832
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Tgt Ion:146 Resp: 148470
Ion Ratio Lower Upper
146 100
148 63.9 50.4 75.6
75 36.5 28.4 42.6





#13

1,4-Dichlorobenzene

Concen: 46.304 ng

RT: 8.323 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMS

Tgt Ion:146 Resp: 150142

Ion Ratio Lower Upper

146 100

148 63.4 50.4 75.6

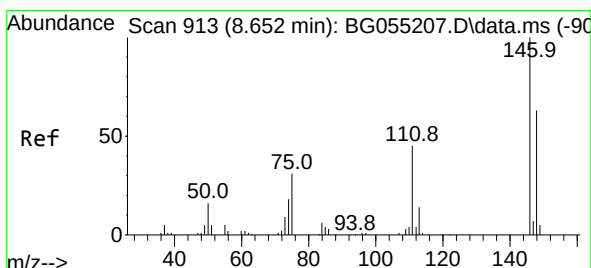
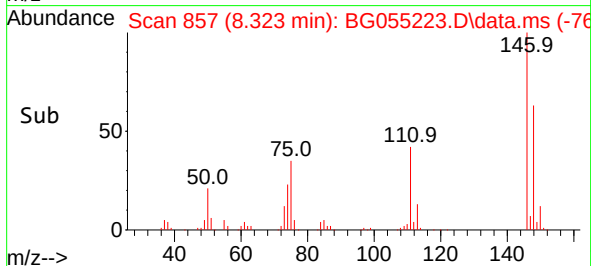
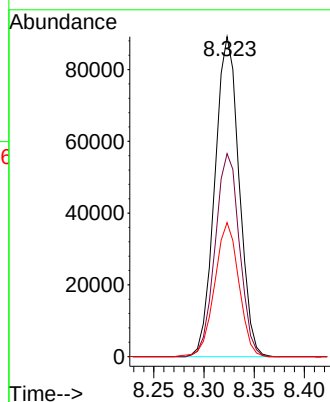
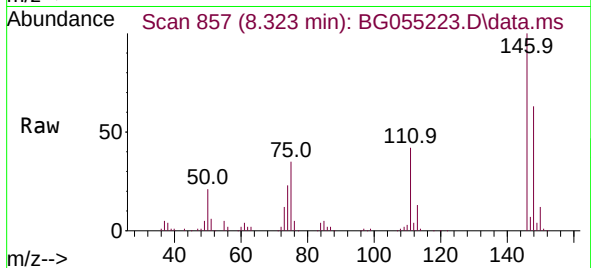
111 41.9 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#14

1,2-Dichlorobenzene

Concen: 47.825 ng

RT: 8.646 min Scan# 912

Delta R.T. -0.006 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

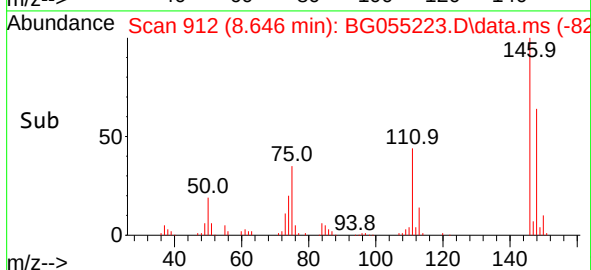
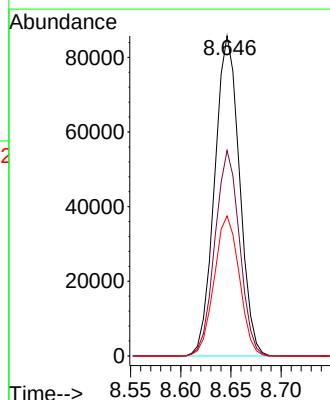
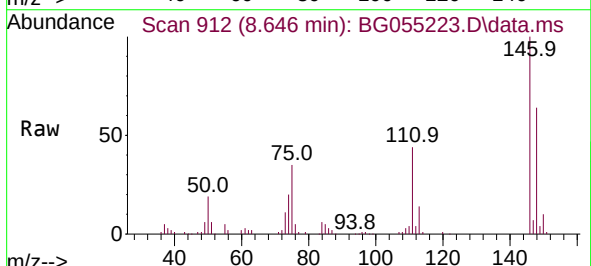
Tgt Ion:146 Resp: 147759

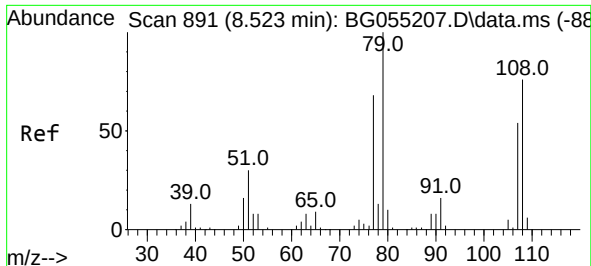
Ion Ratio Lower Upper

146 100

148 64.2 50.0 75.0

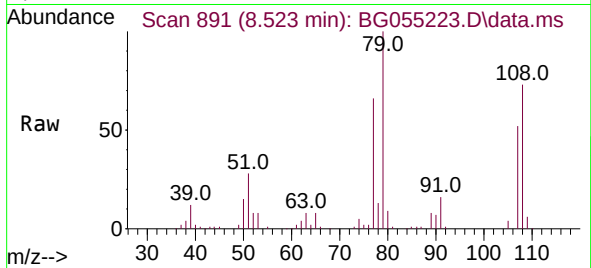
111 43.8 36.4 54.6





#15
Benzyl Alcohol
Concen: 47.648 ng m
RT: 8.523 min Scan# 891
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

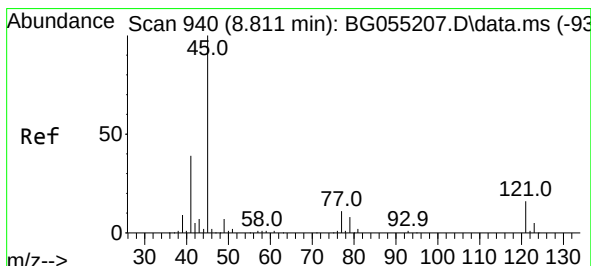
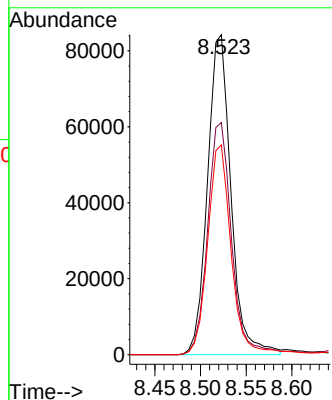
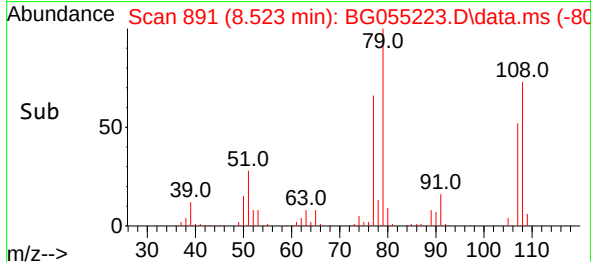
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



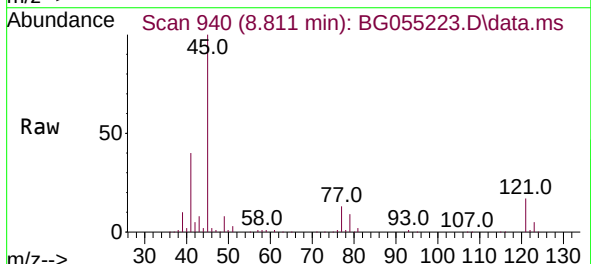
Tgt Ion: 79 Resp: 150916
Ion Ratio Lower Upper
79 100
108 72.5 61.0 91.6
77 65.5 54.7 82.1

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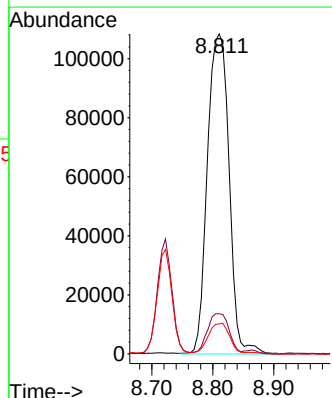
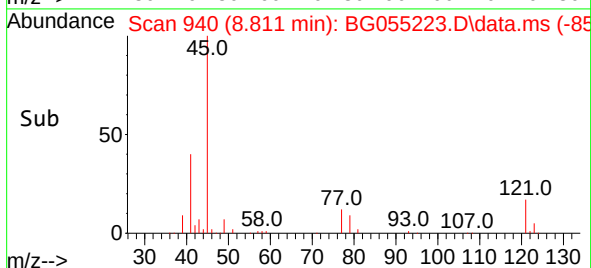
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

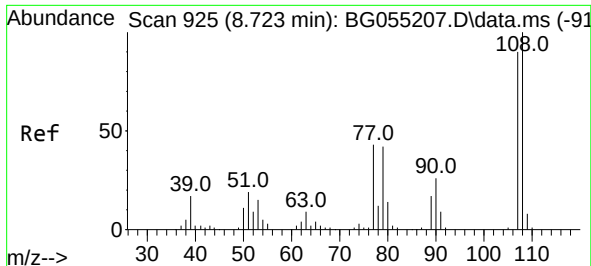


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.380 ng
RT: 8.811 min Scan# 940
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



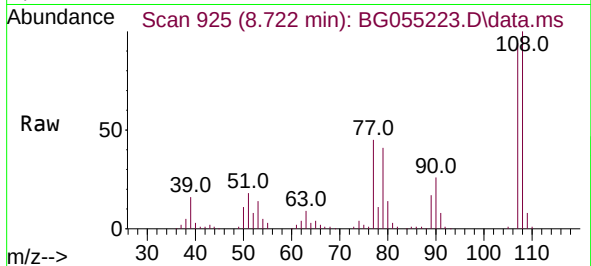
Tgt Ion: 45 Resp: 268146
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.9
79 9.4 0.0 28.8





#17
2-Methylphenol
Concen: 47.591 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

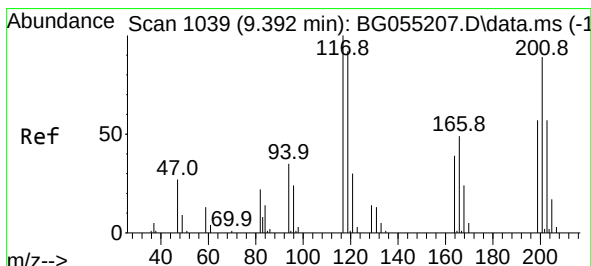
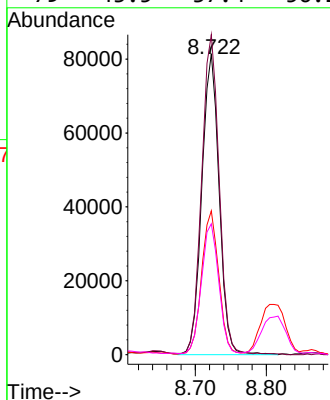
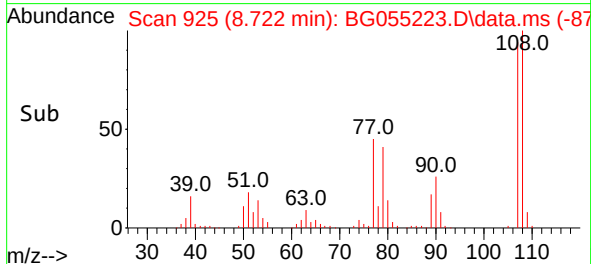
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:	107	Resp:	13725
Ion Ratio	Lower	Upper	
107	100		
108	106.4	88.8	133.2
77	47.8	38.6	57.8
79	43.5	37.4	56.2

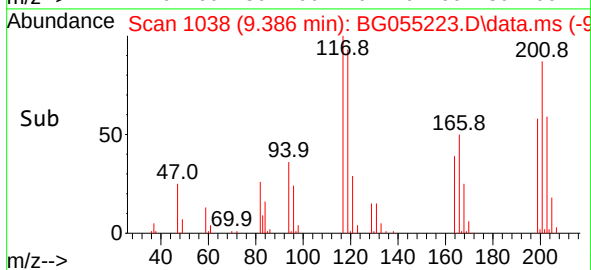
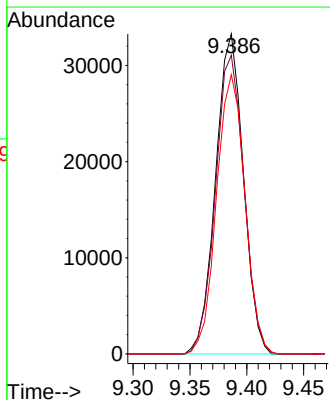
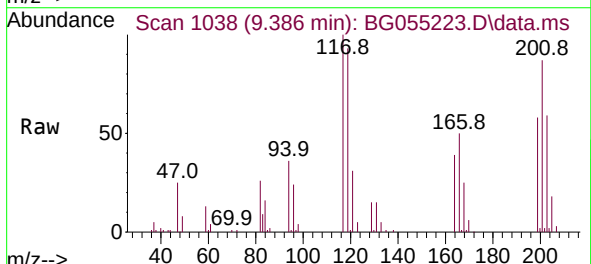
Manual Integrations
APPROVED

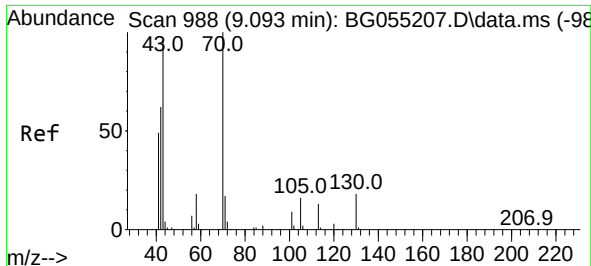
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#18
Hexachloroethane
Concen: 48.194 ng
RT: 9.386 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

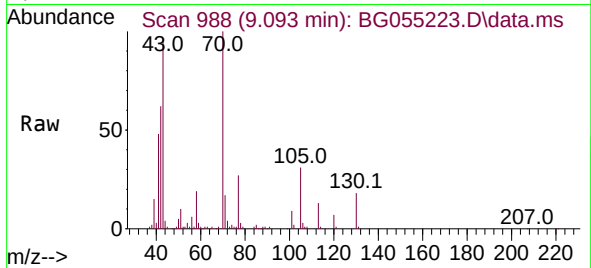
Tgt Ion:	117	Resp:	56563
Ion Ratio	Lower	Upper	
117	100		
119	93.3	74.0	111.0
201	87.2	71.3	106.9





#19
n-Nitroso-di-n-propylamine
Concen: 43.664 ng
RT: 9.093 min Scan# 988
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

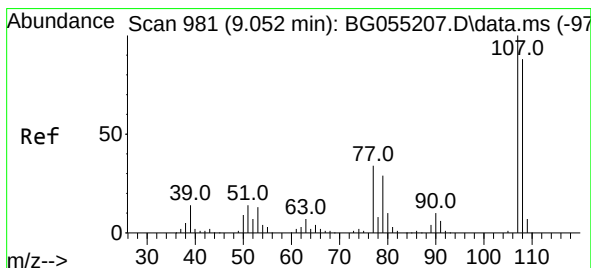
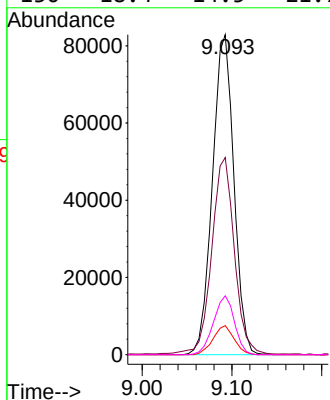
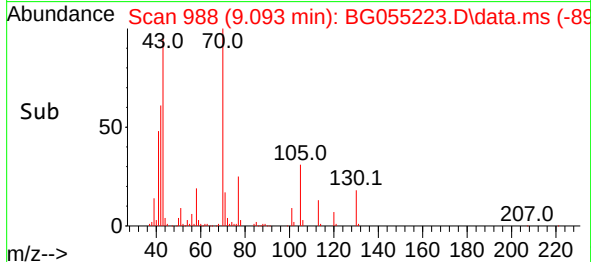
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion: 70 Resp: 138112
Ion Ratio Lower Upper
70 100
42 61.6 50.8 76.2
101 9.1 7.0 10.6
130 18.4 14.5 21.7

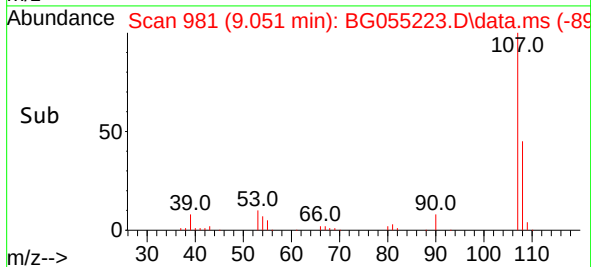
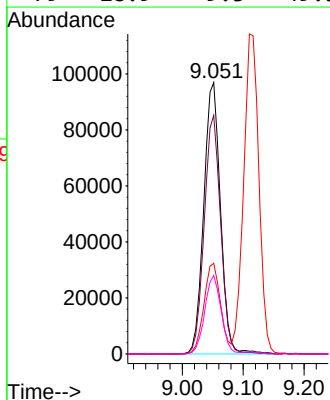
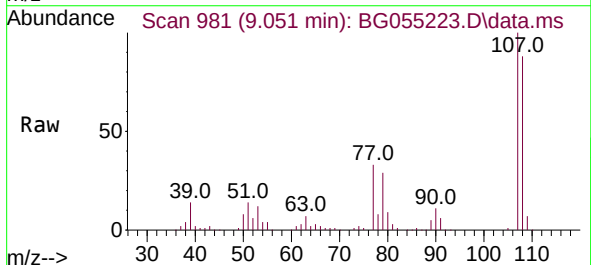
Manual Integrations
APPROVED

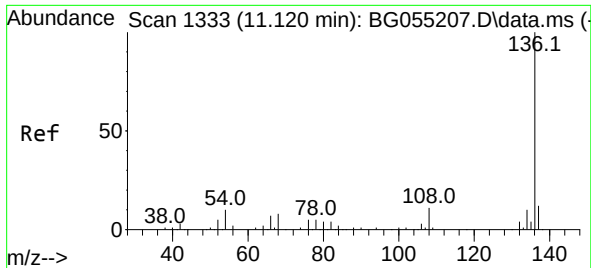
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#20
3+4-Methylphenols
Concen: 45.452 ng
RT: 9.051 min Scan# 981
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

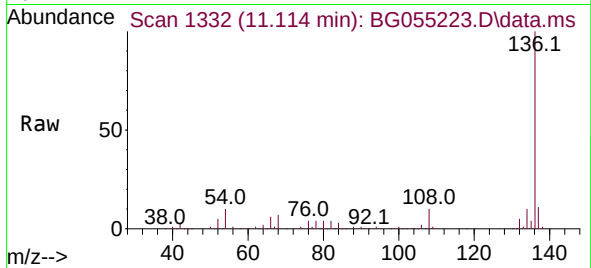
Tgt Ion:107 Resp: 184247
Ion Ratio Lower Upper
107 100
108 87.9 67.5 107.5
77 33.4 14.4 54.4
79 28.9 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.114 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

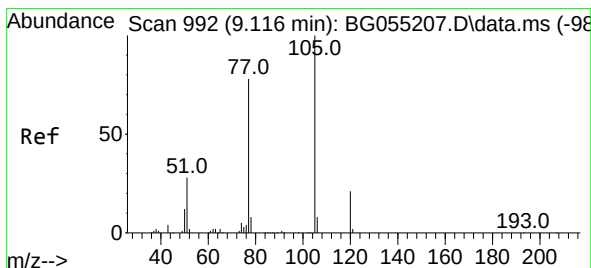
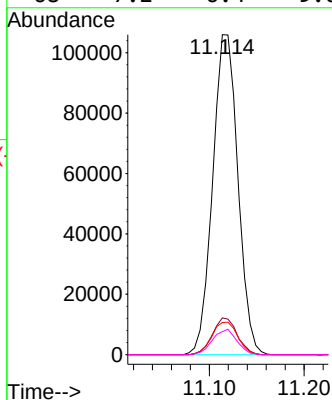
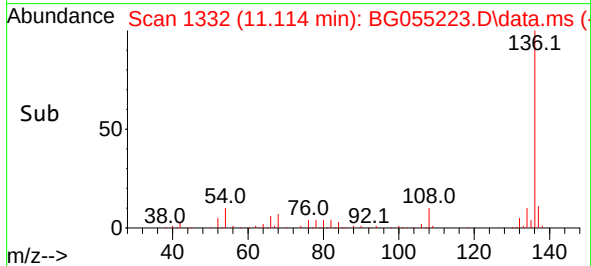
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



Tgt Ion:136 Resp: 195988
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 10.0 8.2 12.4
68 7.2 6.4 9.6

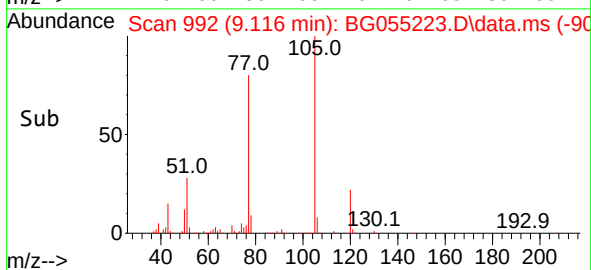
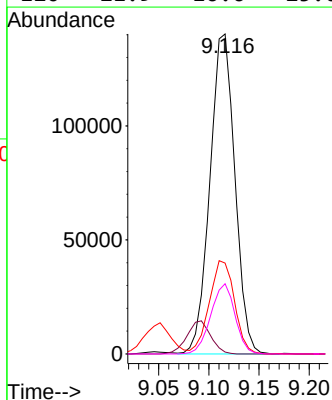
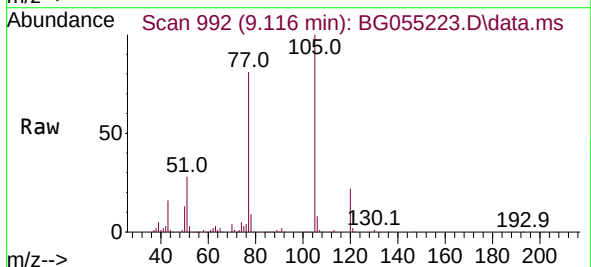
Manual Integrations
APPROVED

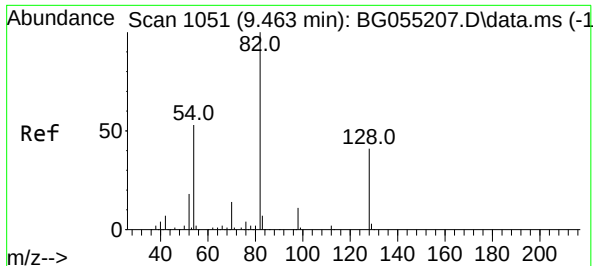
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#22
Acetophenone
Concen: 45.880 ng
RT: 9.116 min Scan# 992
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

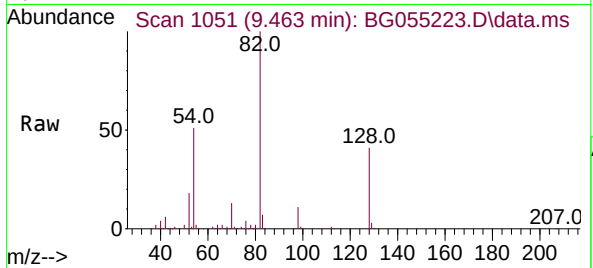
Tgt Ion:105 Resp: 243226
Ion Ratio Lower Upper
105 100
71 0.6 1.0 1.4#
51 28.4 24.0 36.0
120 21.9 16.6 25.0





#23
Nitrobenzene-d5
Concen: 90.566 ng
RT: 9.463 min Scan# 1051
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

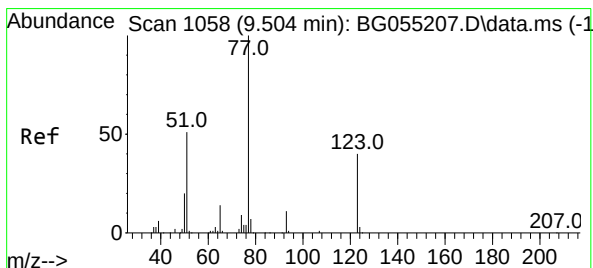
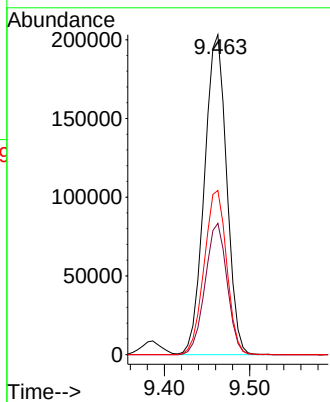
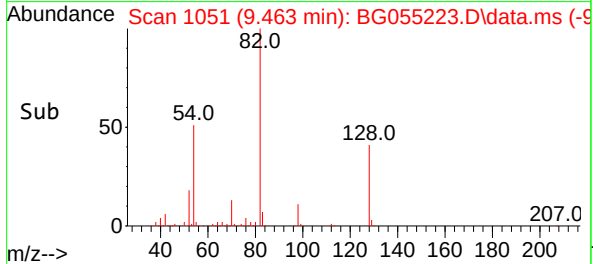
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion: 82 Resp: 367663
Ion Ratio Lower Upper
82 100
128 41.1 32.3 48.5
54 51.3 42.6 63.8

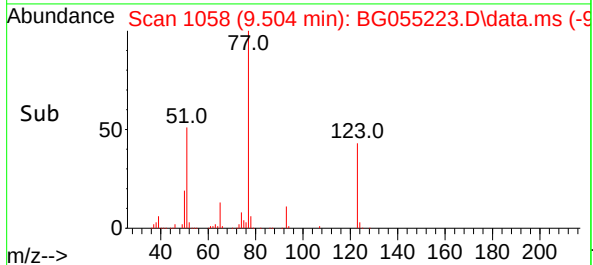
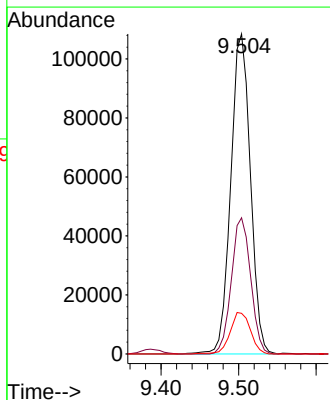
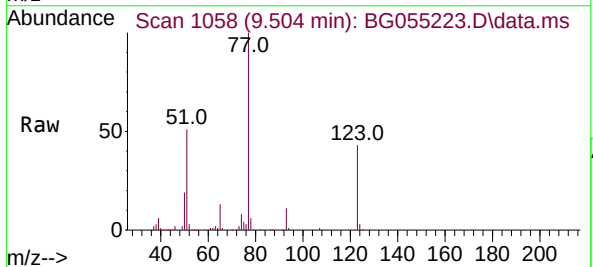
Manual Integrations
APPROVED

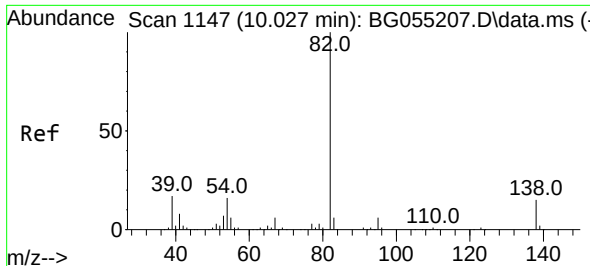
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#24
Nitrobenzene
Concen: 43.891 ng
RT: 9.504 min Scan# 1058
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

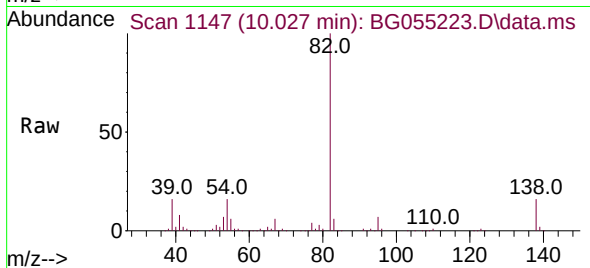
Tgt Ion: 77 Resp: 190527
Ion Ratio Lower Upper
77 100
123 42.5 31.8 47.8
65 12.7 11.1 16.7





#25
Isophorone
Concen: 44.832 ng
RT: 10.027 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

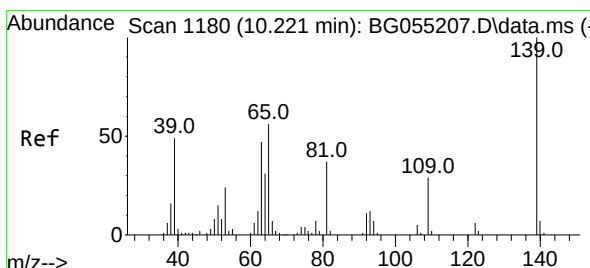
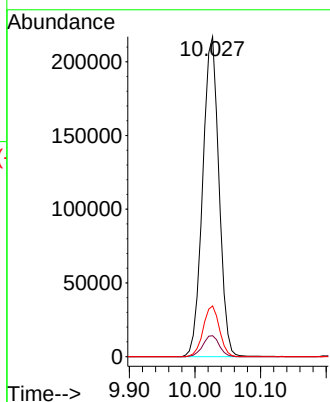
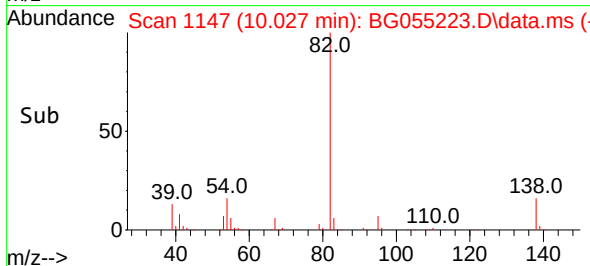
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion: 82 Resp: 372365
Ion Ratio Lower Upper
82 100
95 6.5 5.0 7.6
138 15.8 12.2 18.4

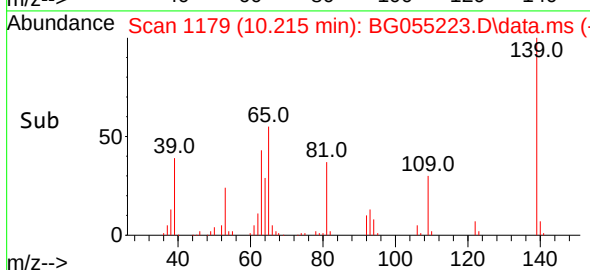
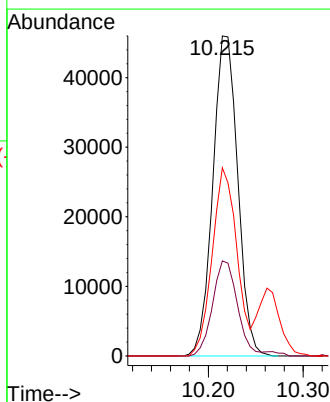
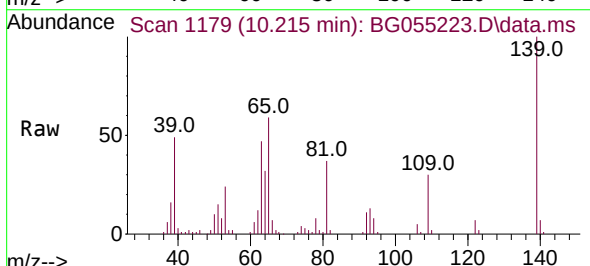
Manual Integrations
APPROVED

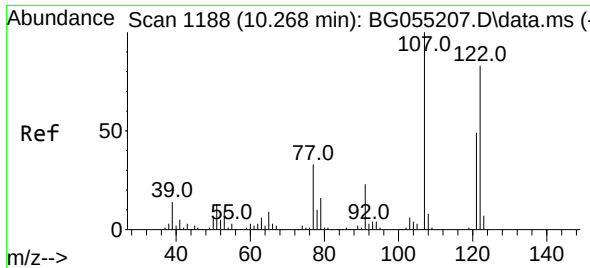
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#26
2-Nitrophenol
Concen: 49.158 ng
RT: 10.215 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

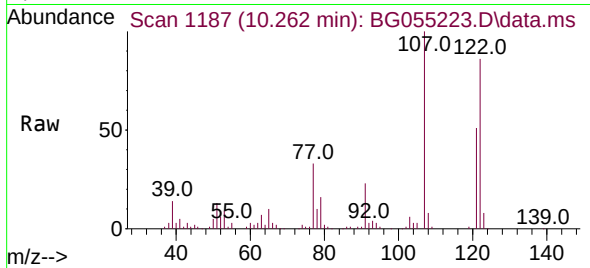
Tgt Ion:139 Resp: 83942
Ion Ratio Lower Upper
139 100
109 29.7 23.1 34.7
65 58.8 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 55.943 ng
RT: 10.262 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

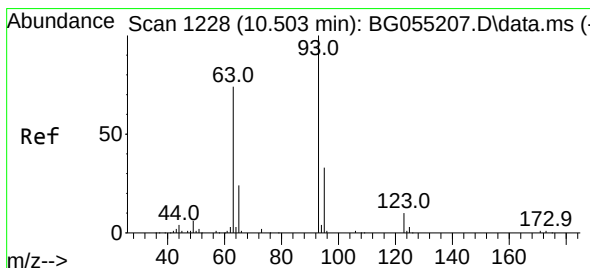
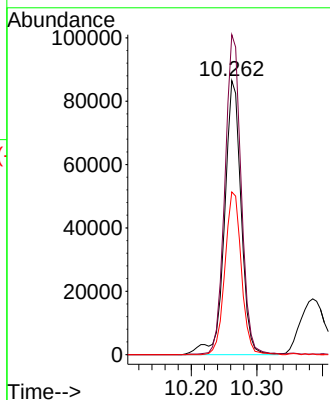
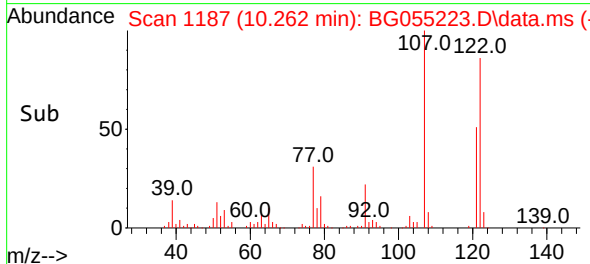
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



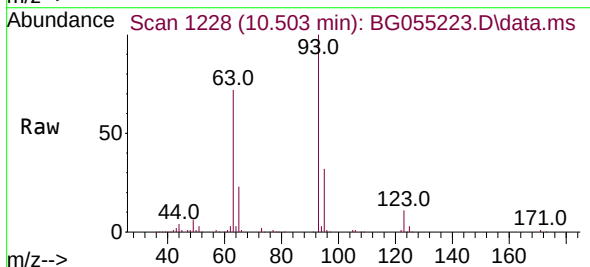
Tgt Ion:122 Resp: 152127
Ion Ratio Lower Upper
122 100
107 116.8 96.9 145.3
121 59.3 47.3 70.9

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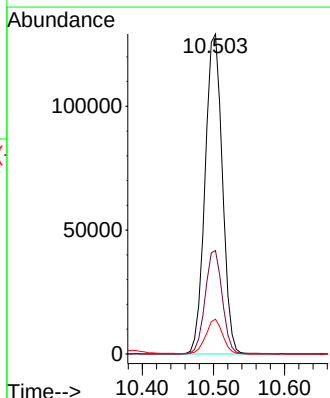
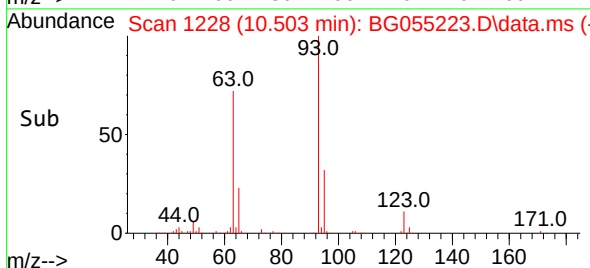
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

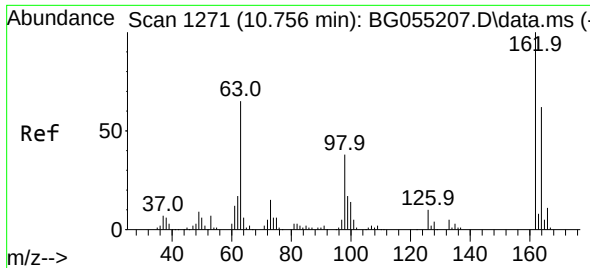


#28
bis(2-Chloroethoxy)methane
Concen: 54.464 ng
RT: 10.503 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



Tgt Ion: 93 Resp: 217374
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.2
123 10.8 8.0 12.0





#29

2,4-Dichlorophenol

Concen: 48.597 ng

RT: 10.755 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG055223.D

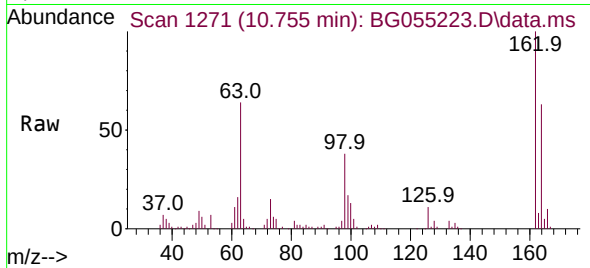
Acq: 20 Oct 2022 17:09

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMS



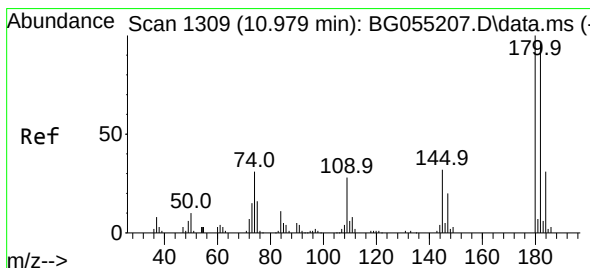
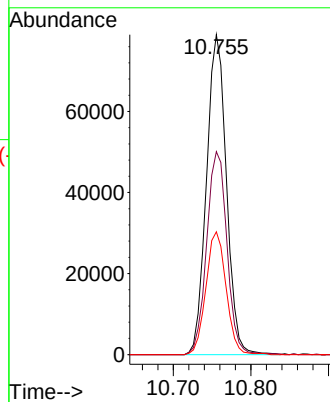
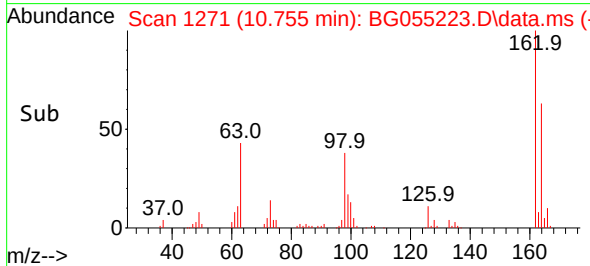
Tgt Ion:162	Resp:	141095
Ion Ratio	Lower	Upper
162	100	
164	63.4	41.9 81.9
98	38.4	18.0 58.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 45.210 ng

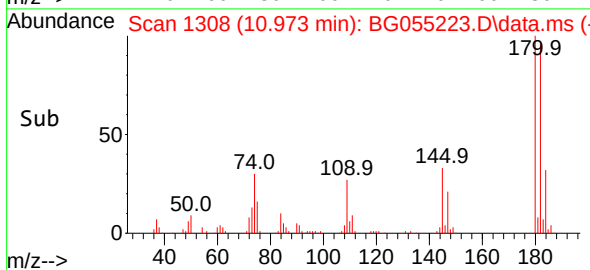
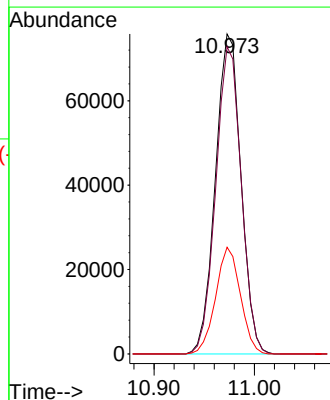
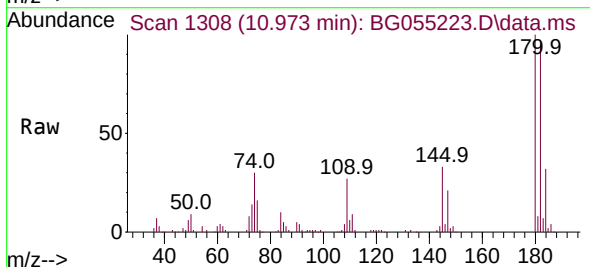
RT: 10.973 min Scan# 1308

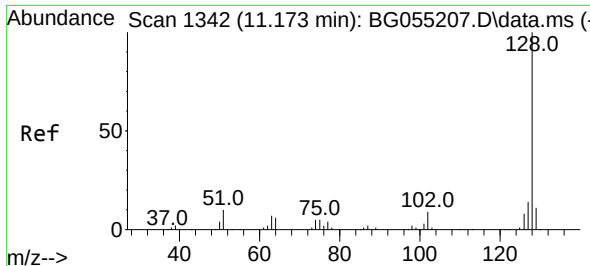
Delta R.T. -0.006 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

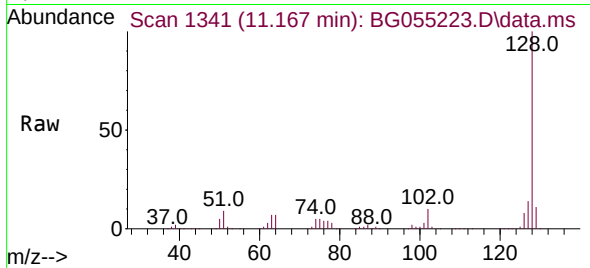
Tgt Ion:180	Resp:	134392
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.0 115.4
145	33.3	26.0 39.0





#31
Naphthalene
Concen: 49.017 ng
RT: 11.167 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

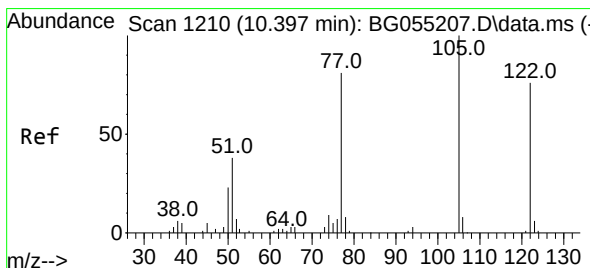
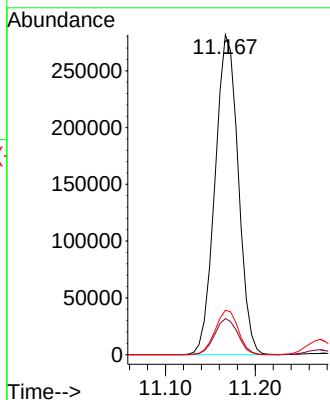
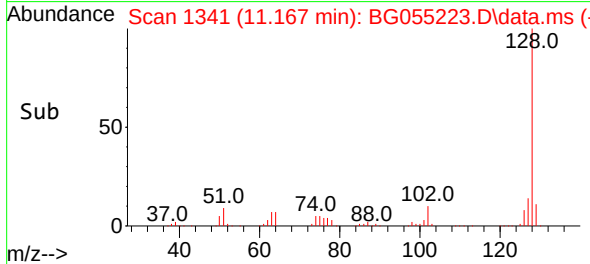
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:128 Resp: 506916
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.9 11.4 17.2

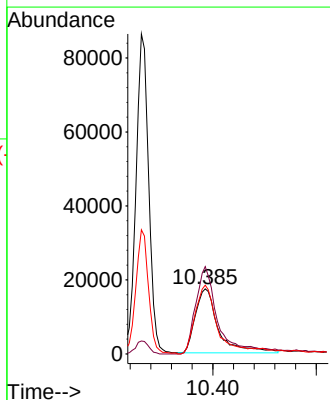
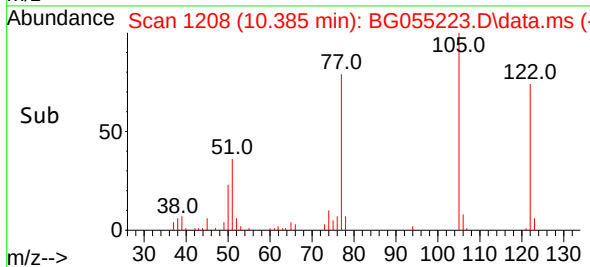
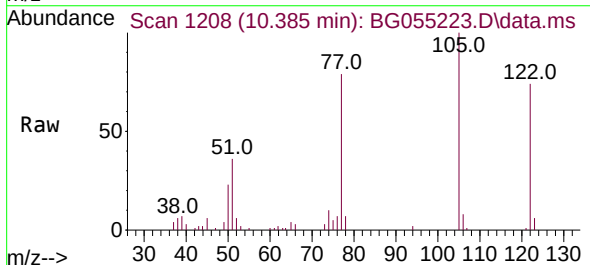
Manual Integrations
APPROVED

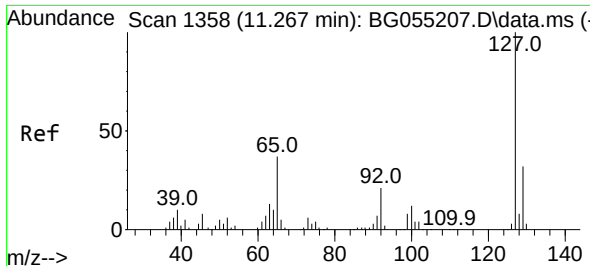
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#32
Benzoic acid
Concen: 27.589 ng
RT: 10.385 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

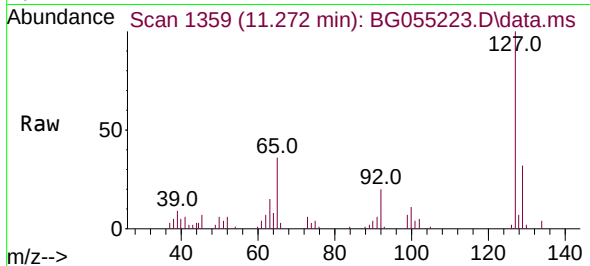
Tgt Ion:122 Resp: 53702
Ion Ratio Lower Upper
122 100
105 134.3 110.2 150.2
77 105.6 86.9 126.9





#33
4-Chloroaniline
Concen: 6.581 ng
RT: 11.272 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

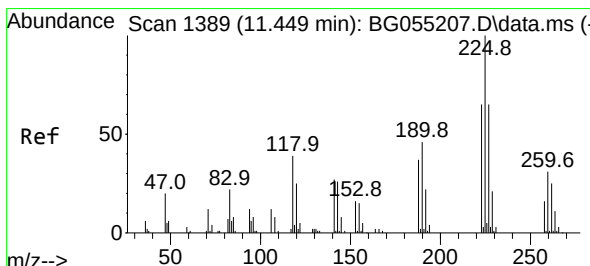
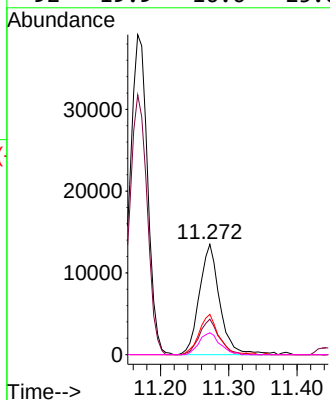
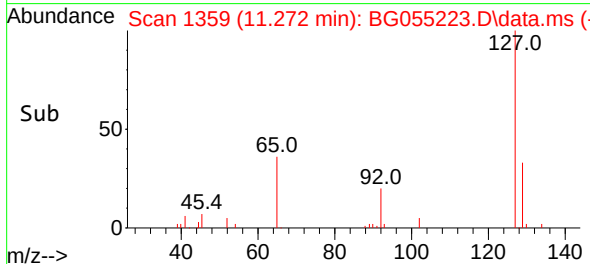
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:	127	Resp:	28025
Ion Ratio	Lower	Upper	
127	100		
129	32.2	25.8	38.8
65	36.4	29.4	44.2
92	19.9	16.6	25.0

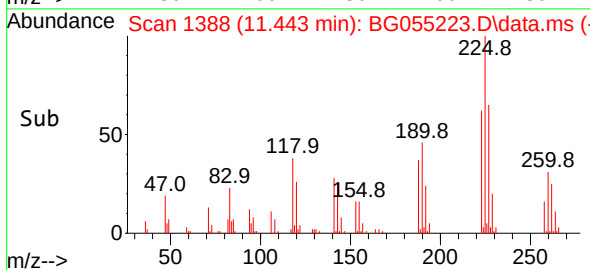
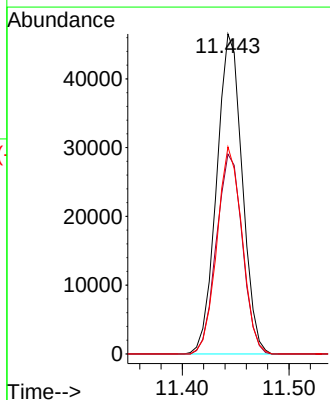
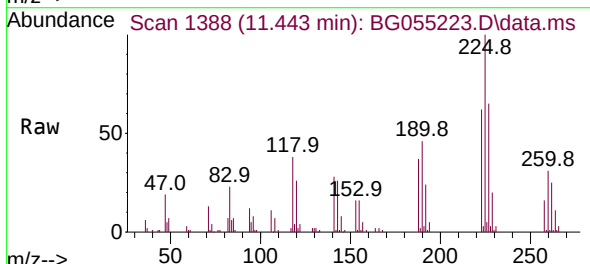
Manual Integrations
APPROVED

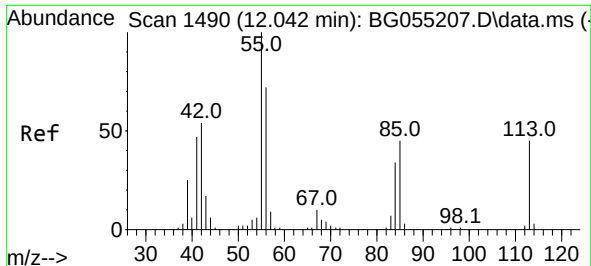
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#34
Hexachlorobutadiene
Concen: 43.188 ng
RT: 11.443 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Tgt Ion:	225	Resp:	77524
Ion Ratio	Lower	Upper	
225	100		
223	62.4	51.7	77.5
227	64.7	52.2	78.2





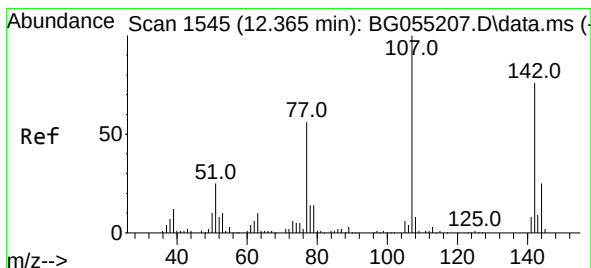
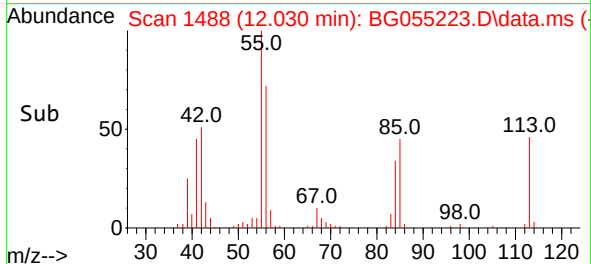
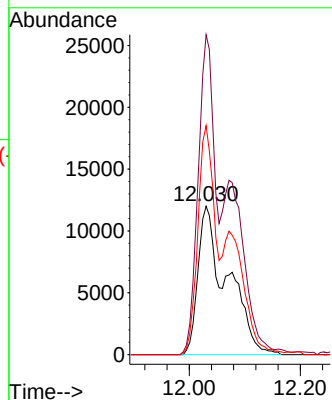
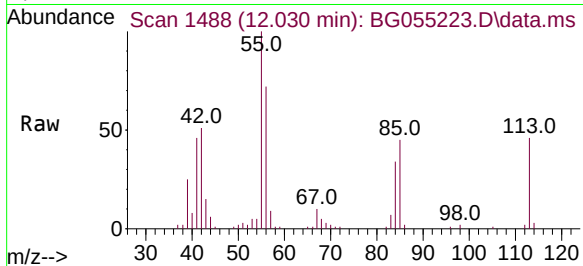
#35
Caprolactam
Concen: 34.345 ng m
RT: 12.030 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:113 Resp: 43821
Ion Ratio Lower Upper
113 100
55 215.5 200.5 240.5
56 154.2 137.8 177.8

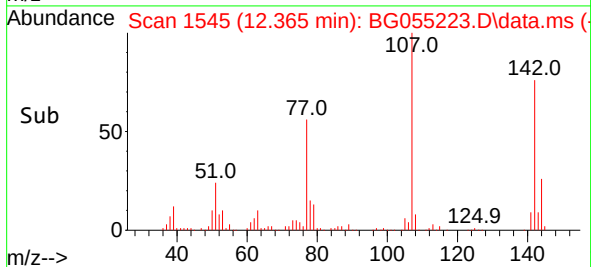
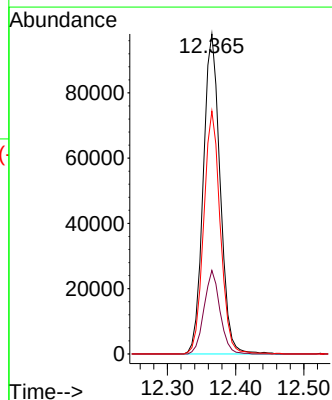
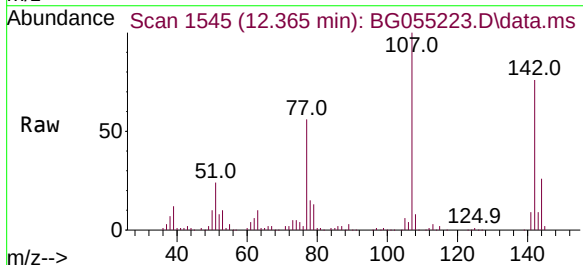
Manual Integrations
APPROVED

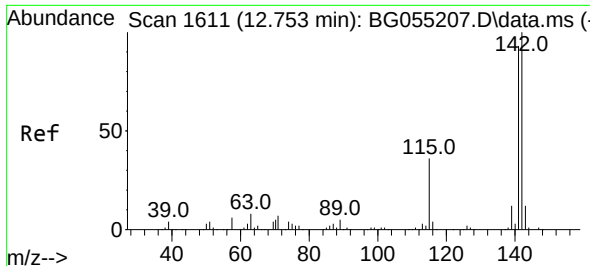
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#36
4-Chloro-3-methylphenol
Concen: 44.635 ng
RT: 12.365 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

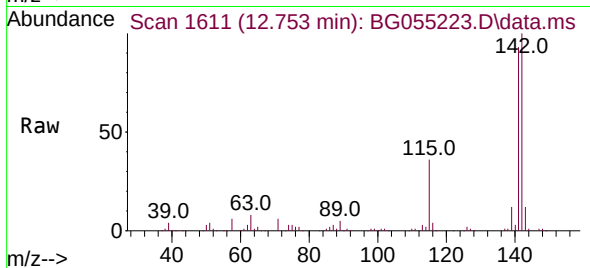
Tgt Ion:107 Resp: 168505
Ion Ratio Lower Upper
107 100
144 26.1 19.7 29.5
142 75.9 60.7 91.1





#37
2-Methylnaphthalene
Concen: 42.558 ng
RT: 12.753 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

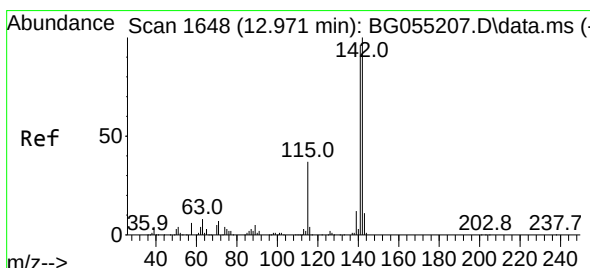
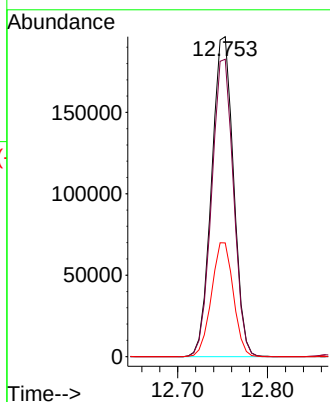
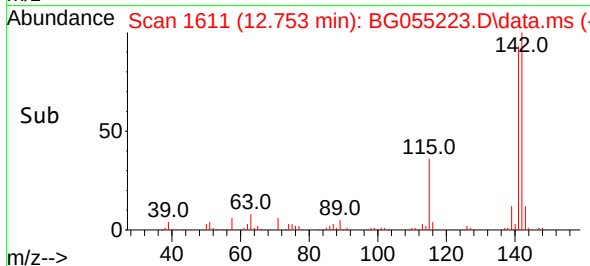
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



Tgt Ion:142 Resp: 334776
Ion Ratio Lower Upper
142 100
141 92.9 74.8 112.2
115 35.5 28.6 43.0

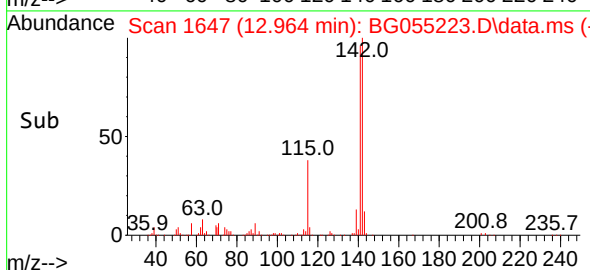
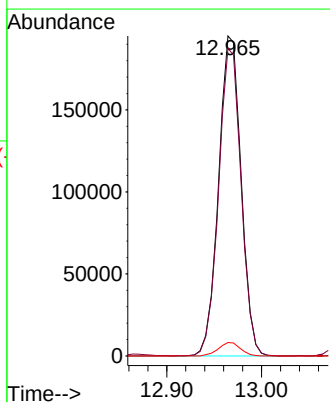
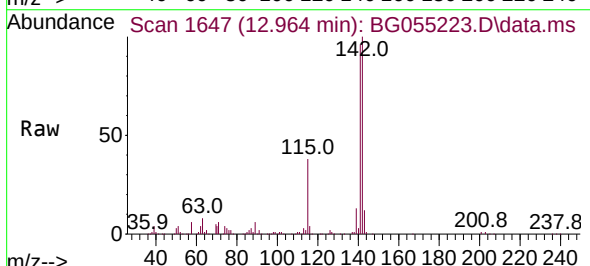
Manual Integrations
APPROVED

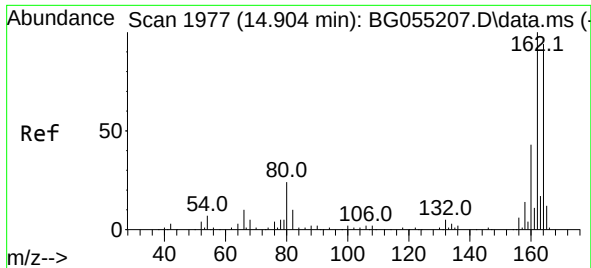
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#38
1-Methylnaphthalene
Concen: 41.454 ng
RT: 12.964 min Scan# 1647
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

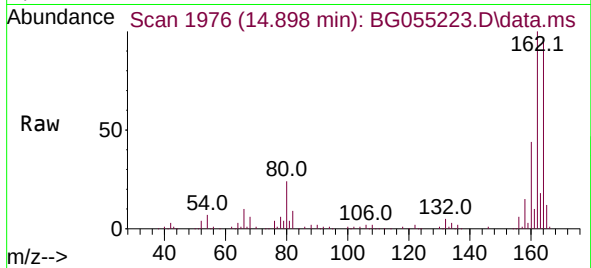
Tgt Ion:142 Resp: 321914
Ion Ratio Lower Upper
142 100
141 96.1 77.0 115.4
116 4.2 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

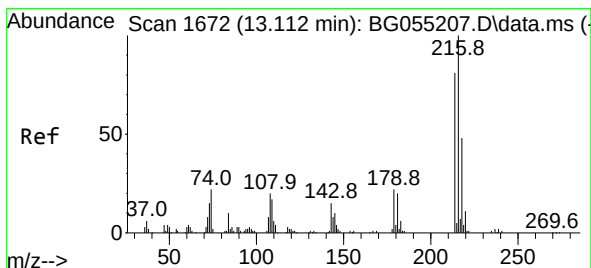
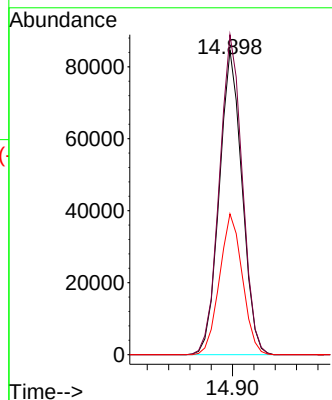
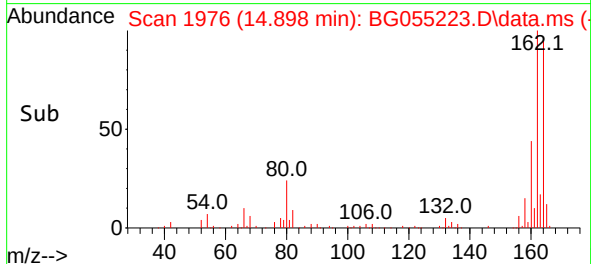
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



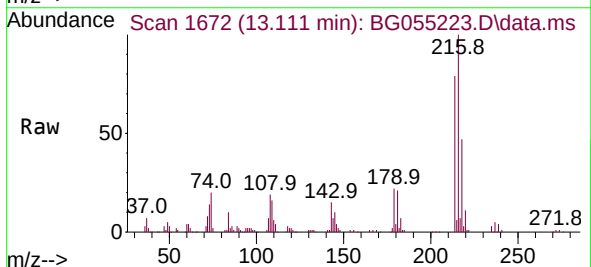
Tgt Ion:164 Resp: 125388
Ion Ratio Lower Upper
164 100
162 105.1 85.2 127.8
160 46.2 36.4 54.6

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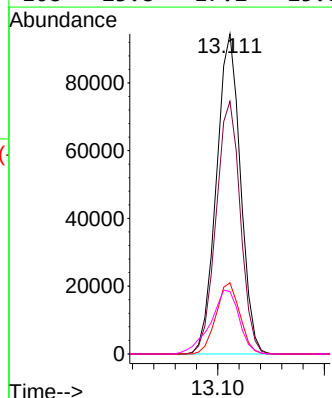
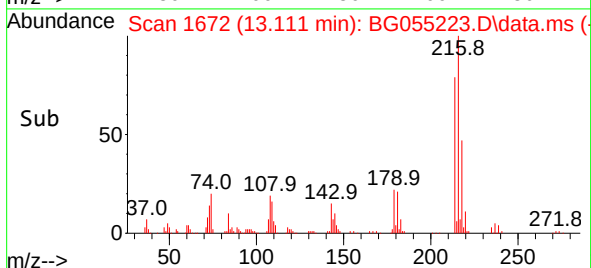
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

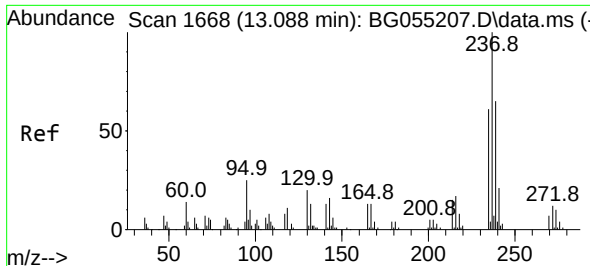


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.183 ng
RT: 13.111 min Scan# 1672
Delta R.T. -0.001 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



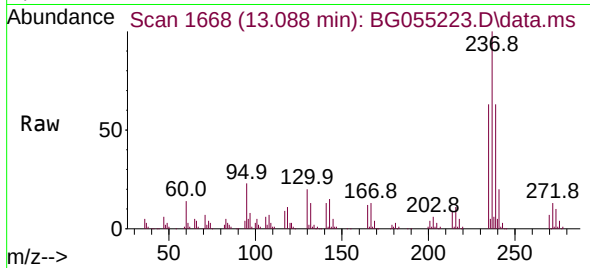
Tgt Ion:216 Resp: 147903
Ion Ratio Lower Upper
216 100
214 79.5 64.2 96.2
179 22.0 17.4 26.0
108 23.8 17.2 25.8





#41
Hexachlorocyclopentadiene
Concen: 106.434 ng
RT: 13.088 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

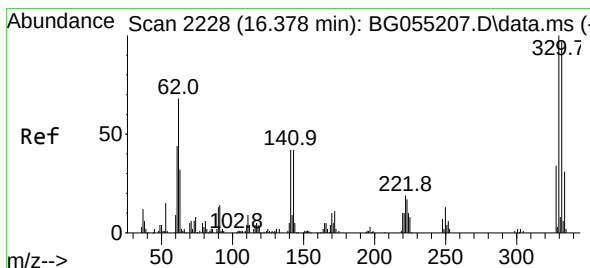
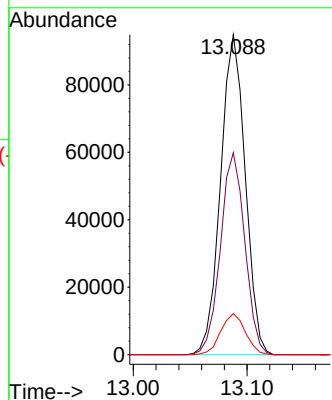
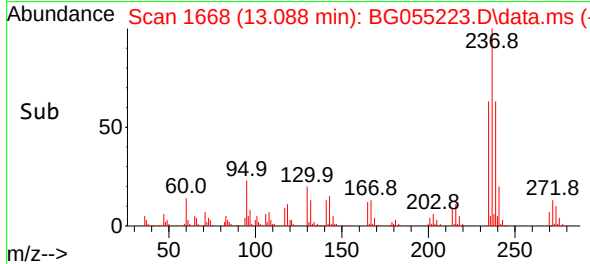
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



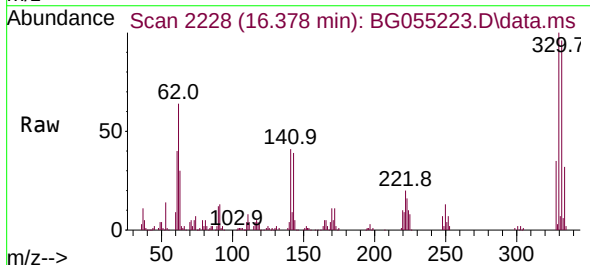
Tgt Ion: 237 Resp: 142852
Ion Ratio Lower Upper
237 100
235 63.1 41.1 81.1
272 12.8 0.0 32.4

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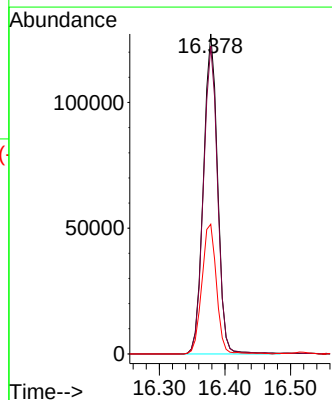
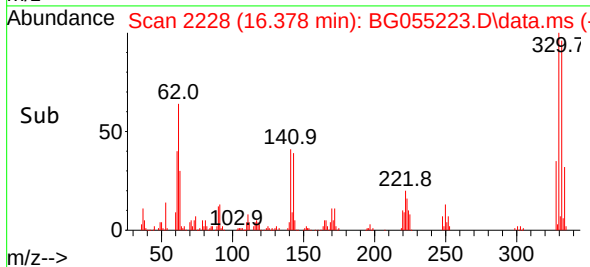
Reviewed By : Christian Giraldo 10/21/2022
Supervised By : Jagrut Upadhyay 10/21/2022

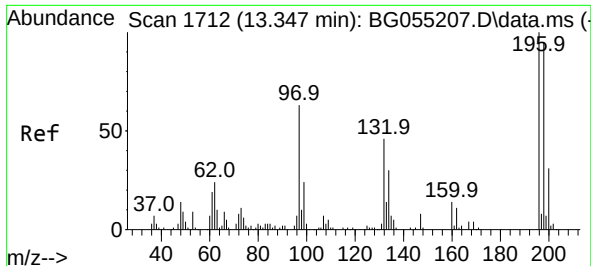


#42
2,4,6-Tribromophenol
Concen: 146.270 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



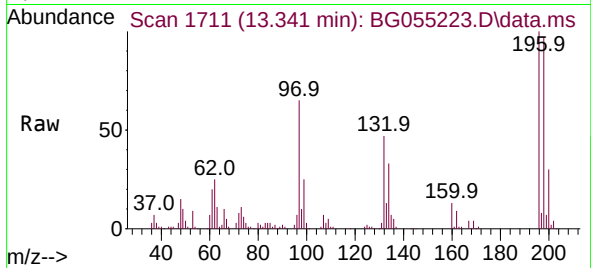
Tgt Ion: 330 Resp: 190045
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 41.7 33.5 50.3





#43
2,4,6-Trichlorophenol
Concen: 47.458 ng
RT: 13.341 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

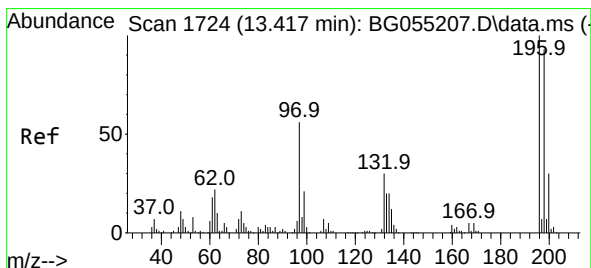
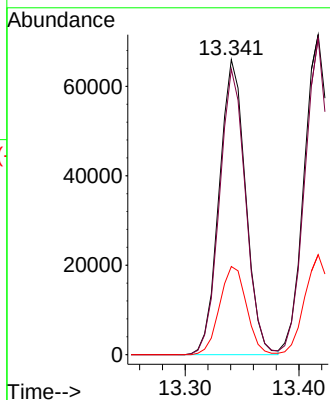
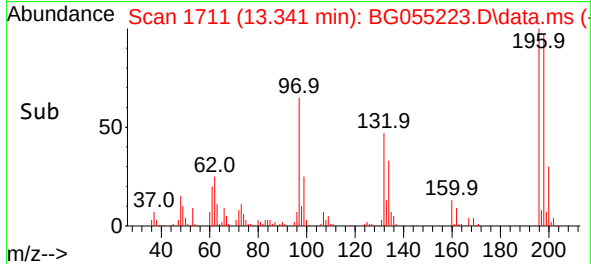
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



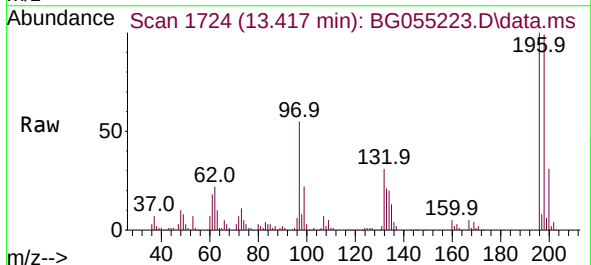
Tgt Ion:196 Resp: 106456
Ion Ratio Lower Upper
196 100
198 96.7 76.1 114.1
200 29.9 24.8 37.2

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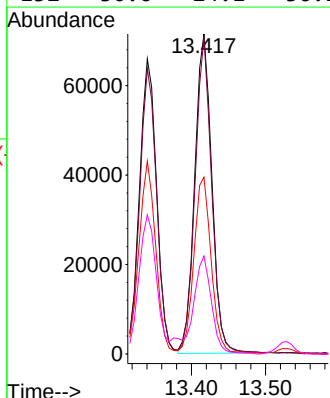
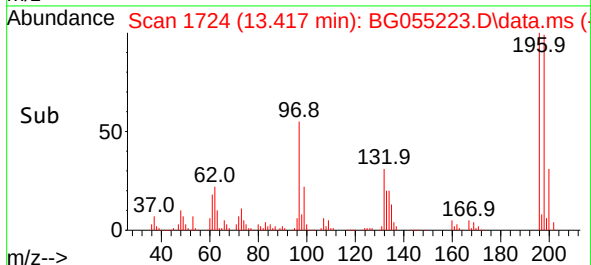
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

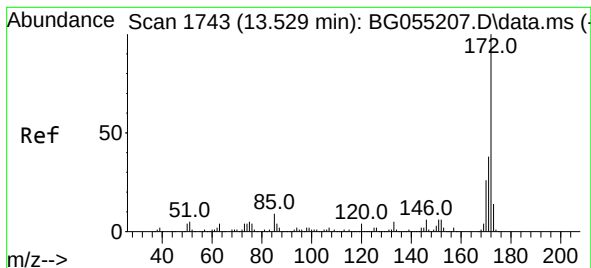


#44
2,4,5-Trichlorophenol
Concen: 46.859 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



Tgt Ion:196 Resp: 115319
Ion Ratio Lower Upper
196 100
198 98.9 74.5 111.7
97 55.2 44.6 66.8
132 30.6 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 91.900 ng

RT: 13.529 min Scan# 1743

Delta R.T. -0.000 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMS

Tgt Ion:172 Resp: 721414

Ion Ratio Lower Upper

172 100

171 38.5 30.3 45.5

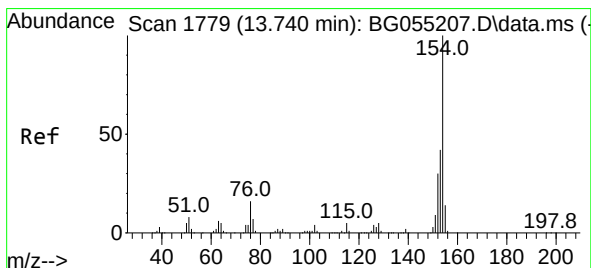
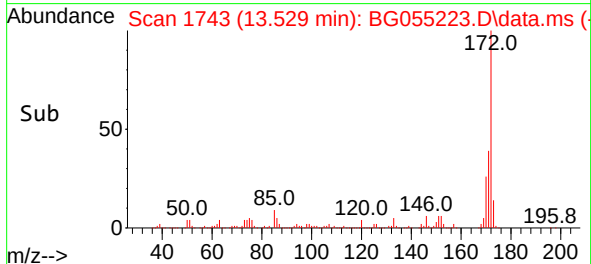
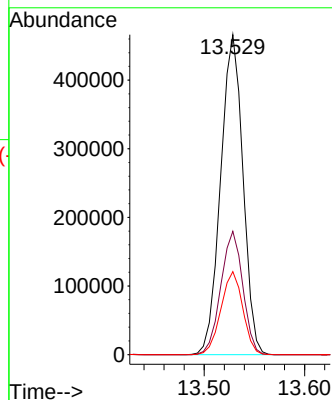
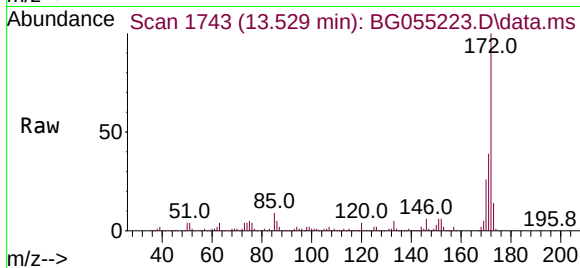
170 25.9 20.6 30.8

Manual Integrations

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Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#46

1,1'-Biphenyl

Concen: 49.567 ng

RT: 13.740 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

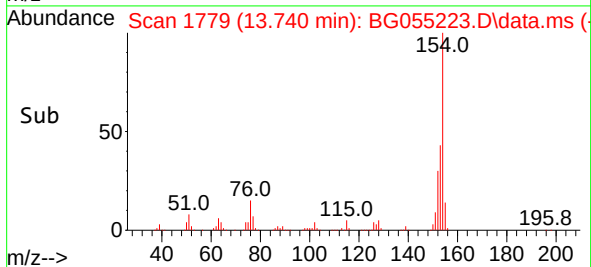
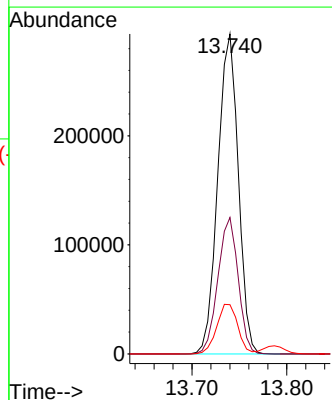
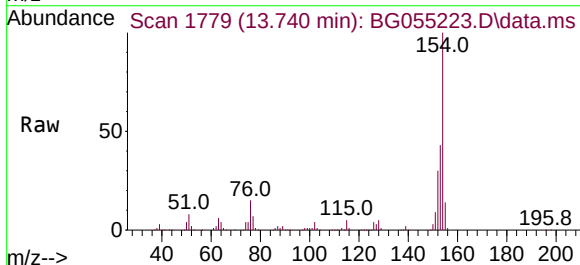
Tgt Ion:154 Resp: 440088

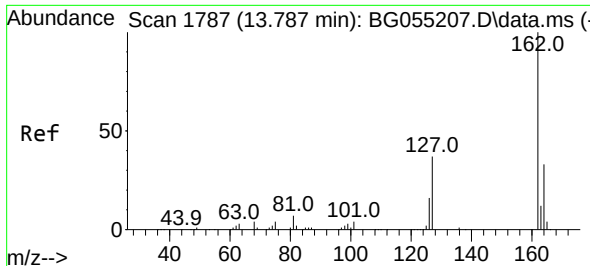
Ion Ratio Lower Upper

154 100

153 42.6 22.1 62.1

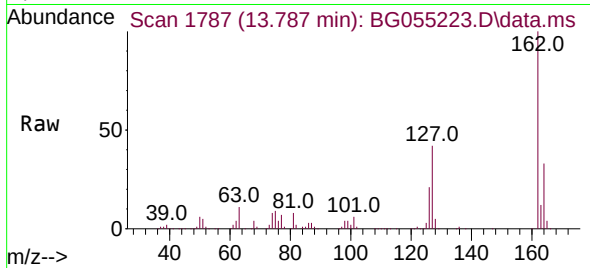
76 15.4 0.0 35.8





#47
2-Chloronaphthalene
Concen: 47.542 ng
RT: 13.787 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

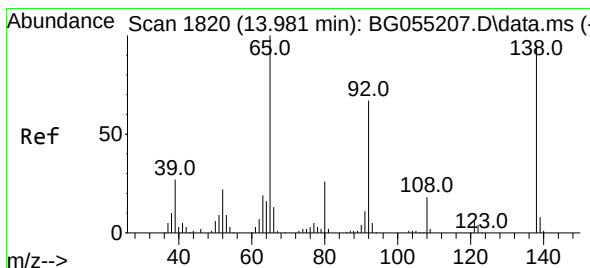
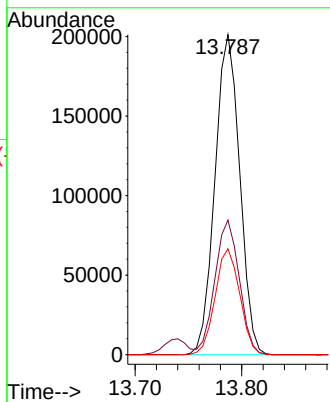
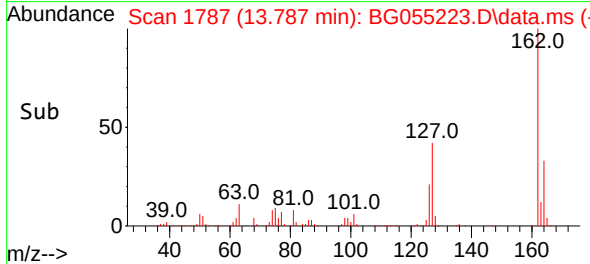
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



Tgt Ion:162 Resp: 324976
Ion Ratio Lower Upper
162 100
127 42.0 33.5 50.3
164 33.1 26.4 39.6

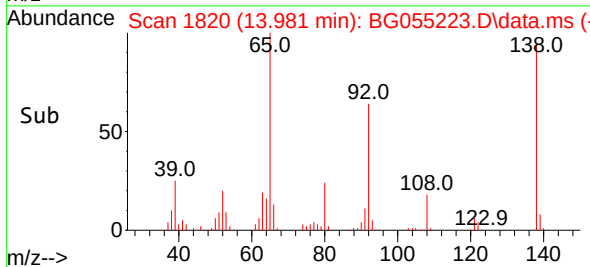
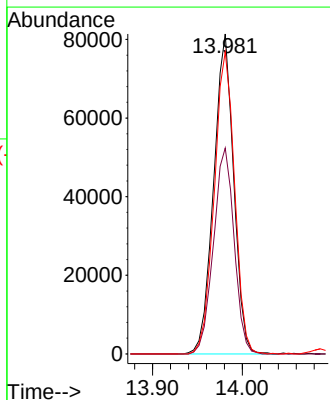
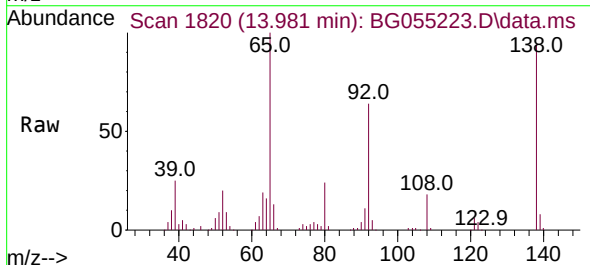
Manual Integrations
APPROVED

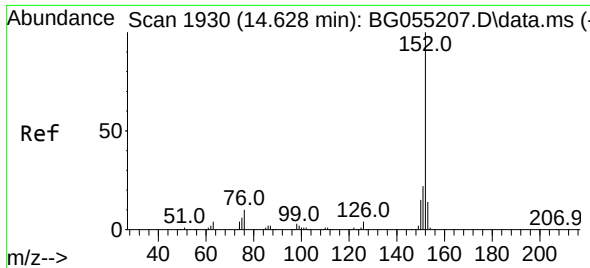
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#48
2-Nitroaniline
Concen: 45.537 ng
RT: 13.981 min Scan# 1820
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

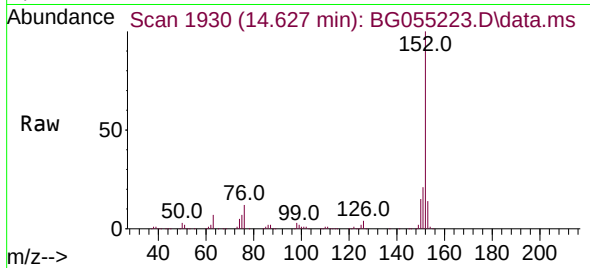
Tgt Ion: 65 Resp: 126317
Ion Ratio Lower Upper
65 100
92 64.4 53.8 80.8
138 94.4 76.0 114.0





#49
Acenaphthylene
Concen: 46.602 ng
RT: 14.627 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

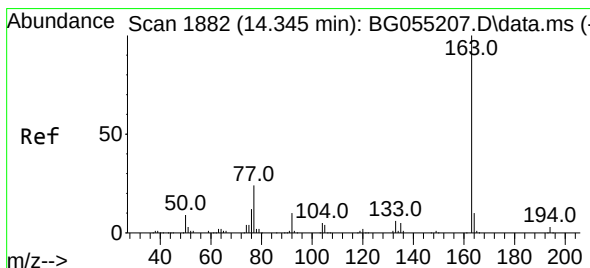
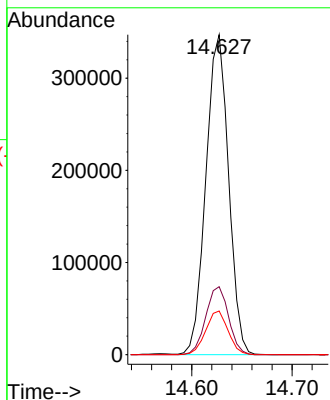
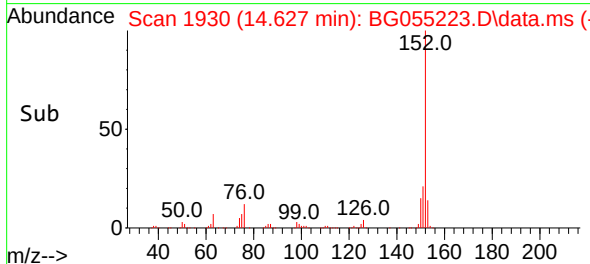
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



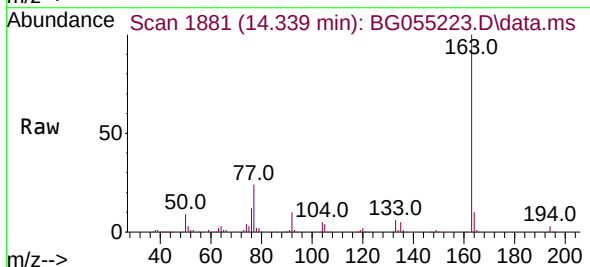
Tgt Ion:152 Resp: 544938
Ion Ratio Lower Upper
152 100
151 21.2 17.3 25.9
153 13.6 11.0 16.6

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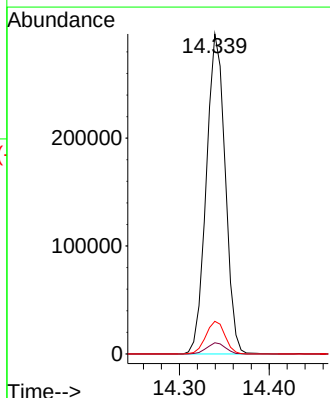
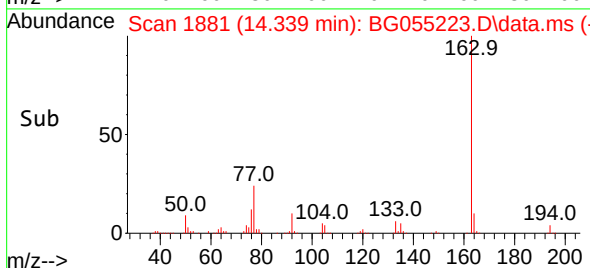
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

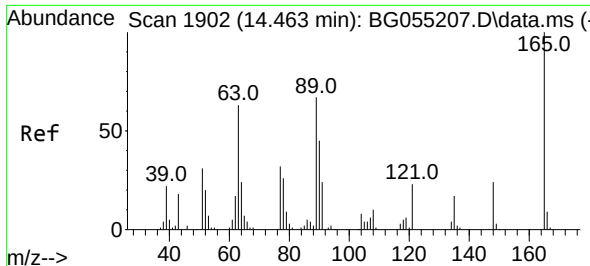


#50
Dimethylphthalate
Concen: 43.962 ng
RT: 14.339 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



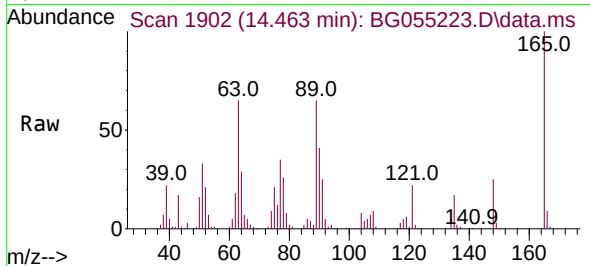
Tgt Ion:163 Resp: 433593
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 46.079 ng
RT: 14.463 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

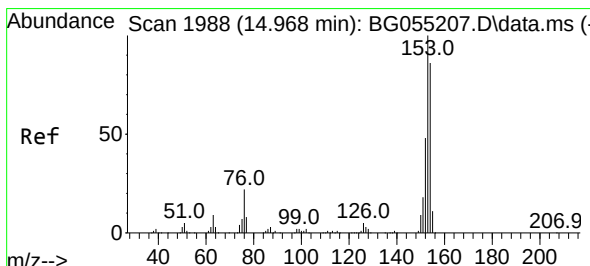
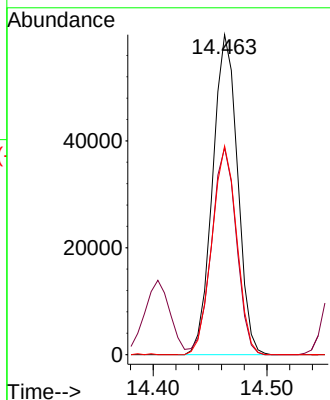
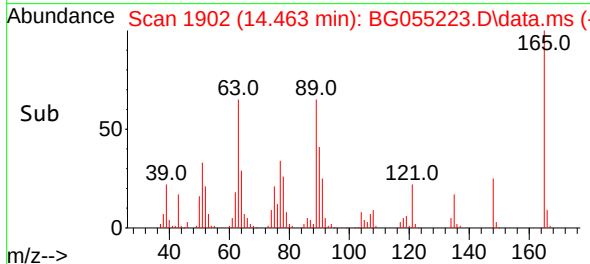
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



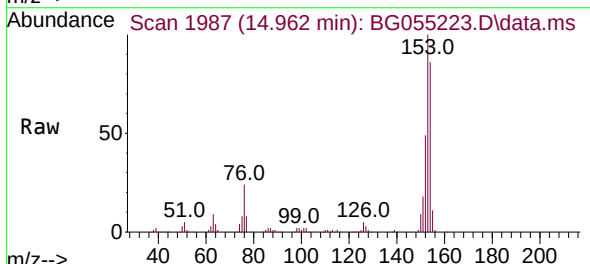
Tgt Ion:165 Resp: 91191
Ion Ratio Lower Upper
165 100
63 64.6 56.1 84.1
89 65.2 53.4 80.0

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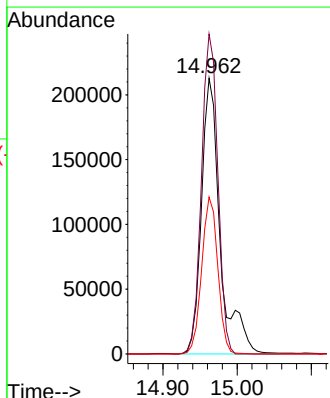
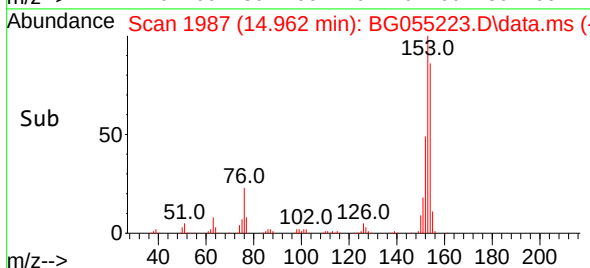
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

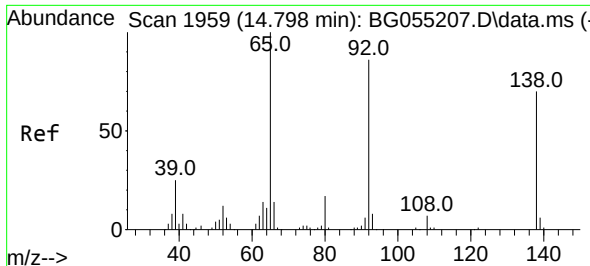


#52
Acenaphthene
Concen: 50.275 ng m
RT: 14.962 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



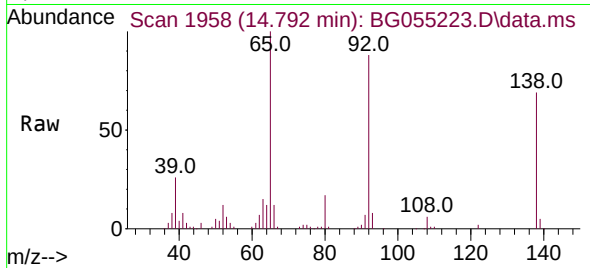
Tgt Ion:154 Resp: 374307
Ion Ratio Lower Upper
154 100
153 116.1 93.3 139.9
152 56.9 45.1 67.7





#53
3-Nitroaniline
Concen: 21.061 ng
RT: 14.792 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

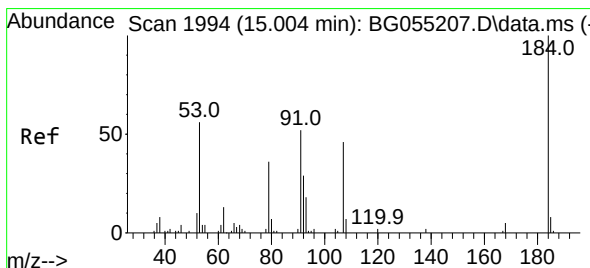
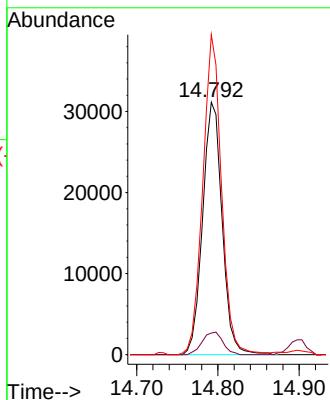
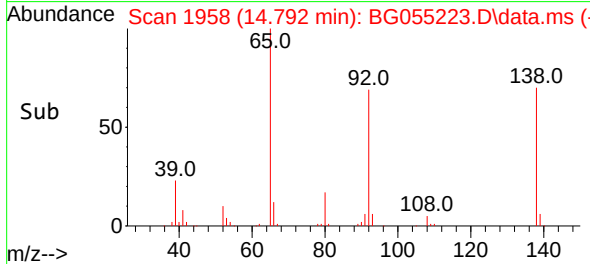
Instrument : BNA_G
ClientSampleId : PIT-14-EXCAVATION-SOILMS



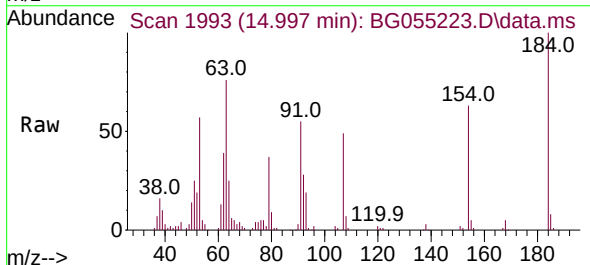
Tgt Ion:138 Resp: 51918
Ion Ratio Lower Upper
138 100
108 8.5 7.5 11.3
92 126.8 98.0 147.0

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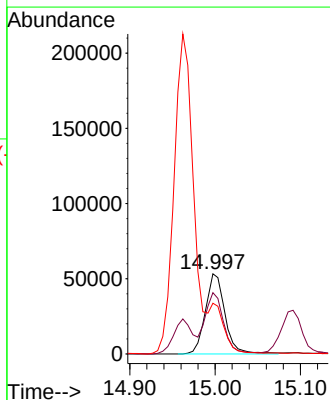
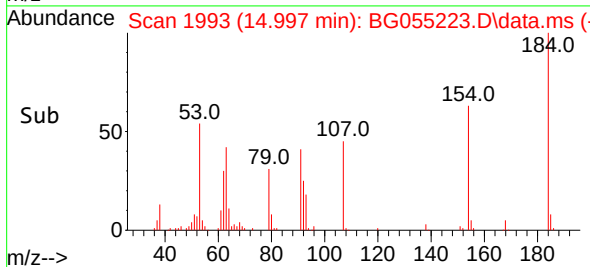
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

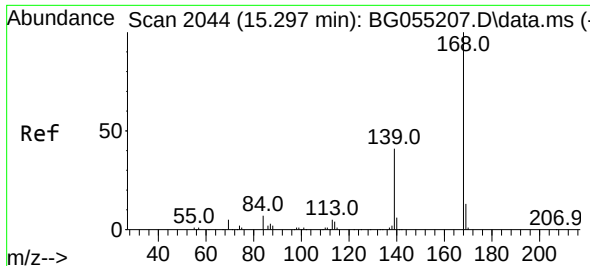


#54
2,4-Dinitrophenol
Concen: 84.780 ng
RT: 14.997 min Scan# 1993
Delta R.T. -0.007 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



Tgt Ion:184 Resp: 84583
Ion Ratio Lower Upper
184 100
63 76.4 61.2 91.8
154 63.2 50.4 75.6





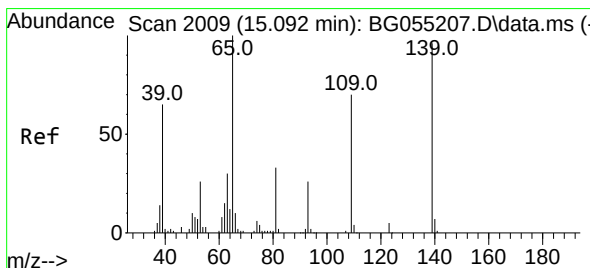
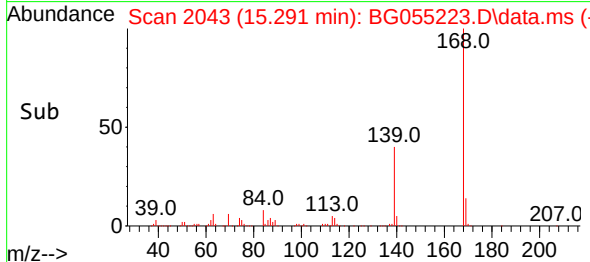
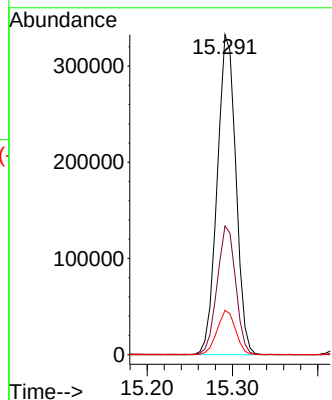
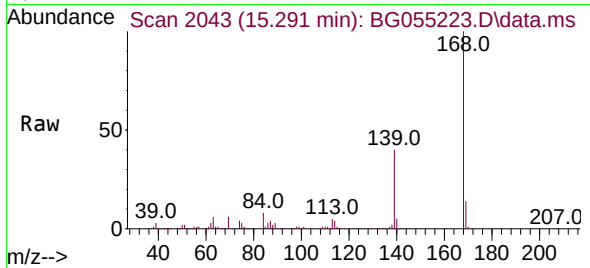
#55
Dibenzofuran
Concen: 47.151 ng
RT: 15.291 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:168 Resp: 50564
Ion Ratio Lower Upper
168 100
139 40.2 32.6 48.8
169 13.8 10.7 16.1

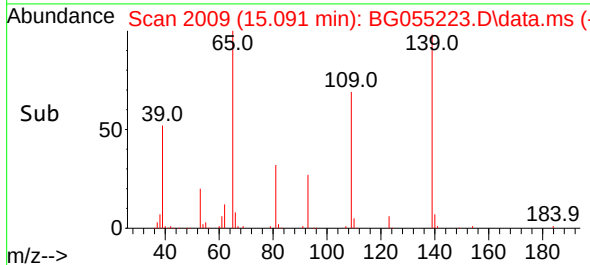
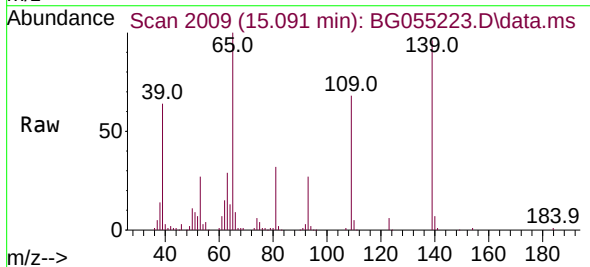
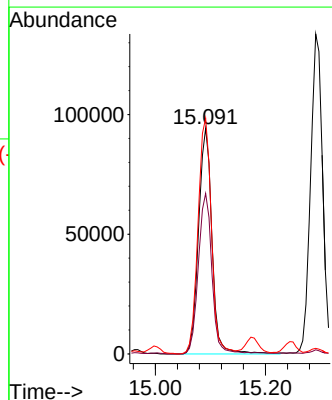
Manual Integrations
APPROVED

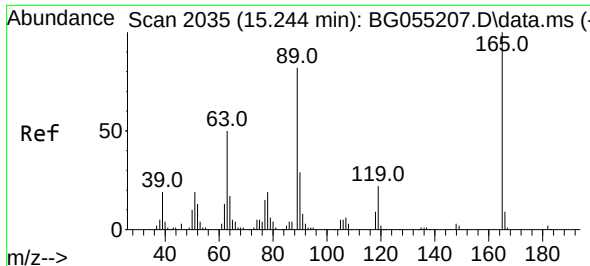
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#56
4-Nitrophenol
Concen: 91.783 ng
RT: 15.091 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

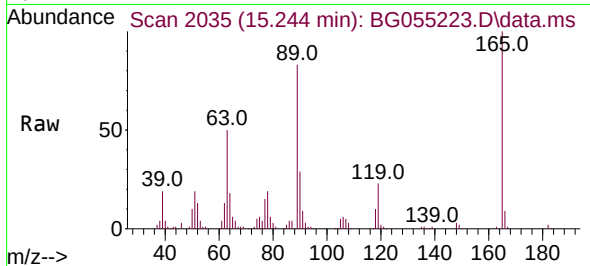
Tgt Ion:139 Resp: 159088
Ion Ratio Lower Upper
139 100
109 71.1 53.0 93.0
65 104.5 84.8 124.8





#57
2,4-Dinitrotoluene
Concen: 46.873 ng
RT: 15.244 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

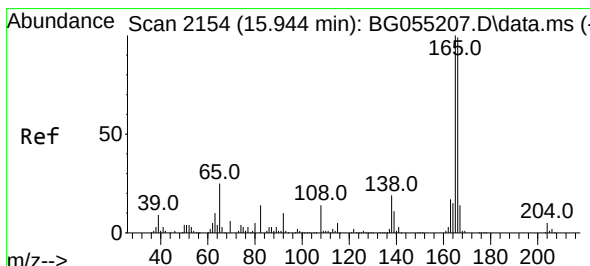
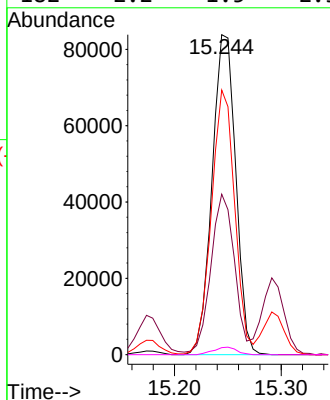
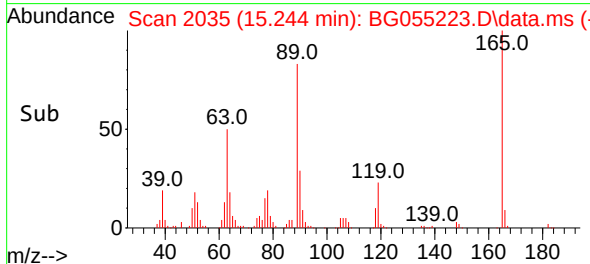
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:165 Resp: 129705
Ion Ratio Lower Upper
165 100
63 50.1 39.8 59.8
89 82.7 66.0 99.0
182 2.2 1.5 2.3

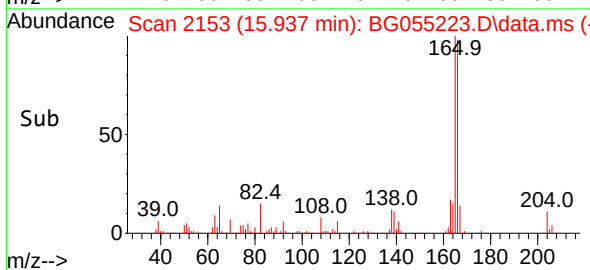
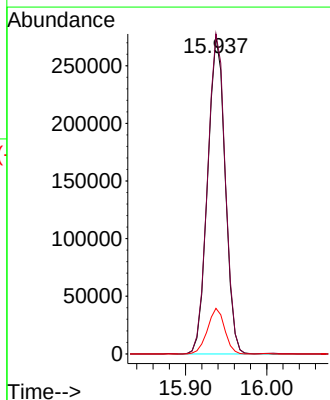
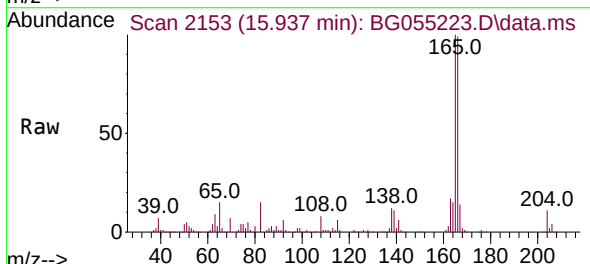
Manual Integrations
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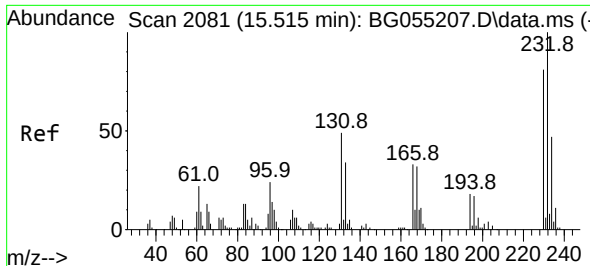
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#58
Fluorene
Concen: 45.768 ng
RT: 15.937 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

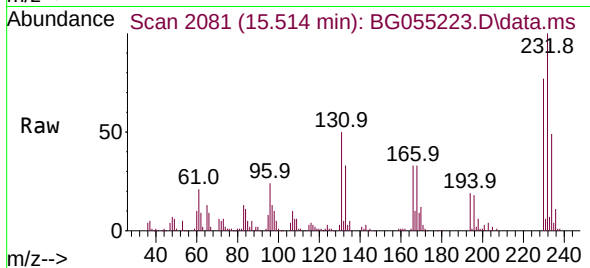
Tgt Ion:166 Resp: 413338
Ion Ratio Lower Upper
166 100
165 100.8 81.0 121.6
167 14.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.828 ng
RT: 15.514 min Scan# 2081
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

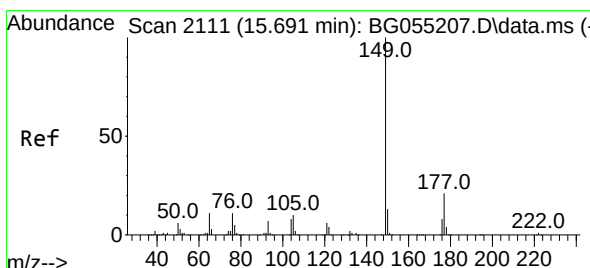
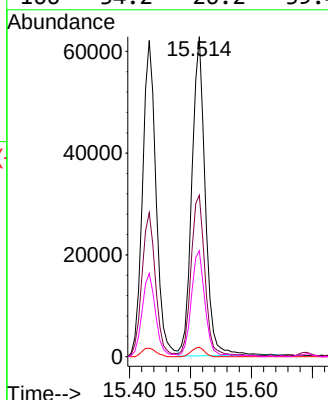
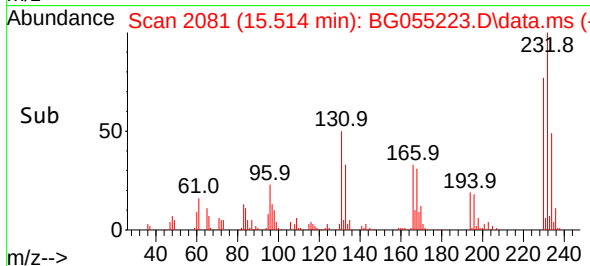
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



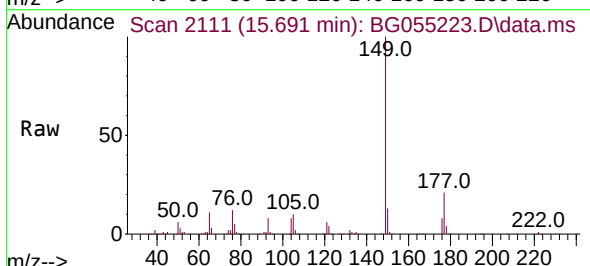
Tgt Ion:232 Resp: 96071
Ion Ratio Lower Upper
232 100
131 52.2 40.5 60.7
130 2.8 2.2 3.2
166 34.2 26.2 39.4

Manual Integrations
APPROVED

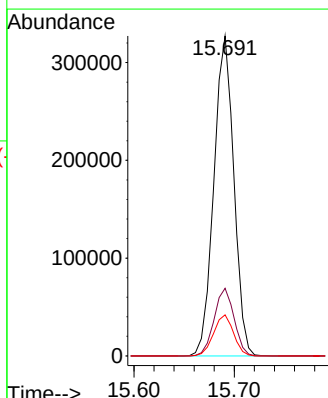
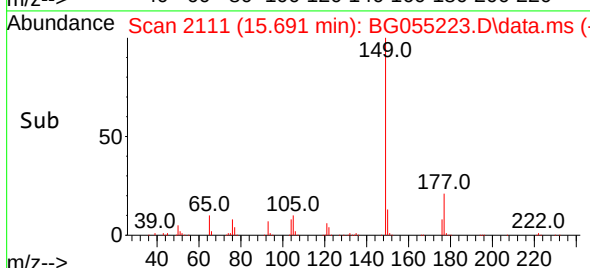
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

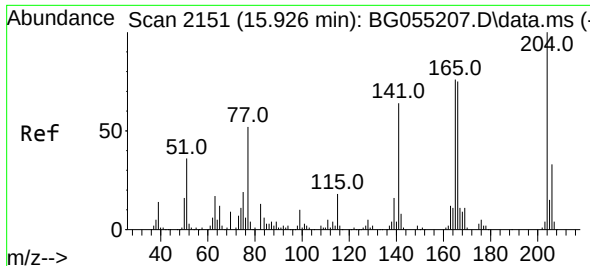


#60
Diethylphthalate
Concen: 43.903 ng
RT: 15.691 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



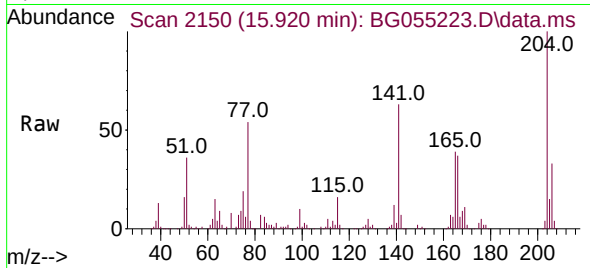
Tgt Ion:149 Resp: 452991
Ion Ratio Lower Upper
149 100
177 21.1 16.4 24.6
150 12.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 47.485 ng
RT: 15.920 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

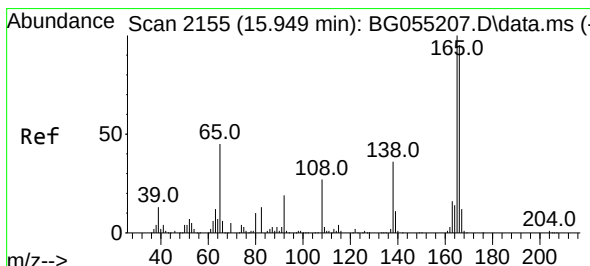
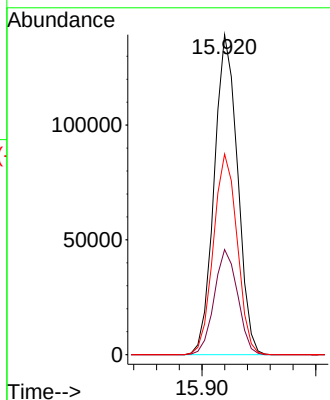
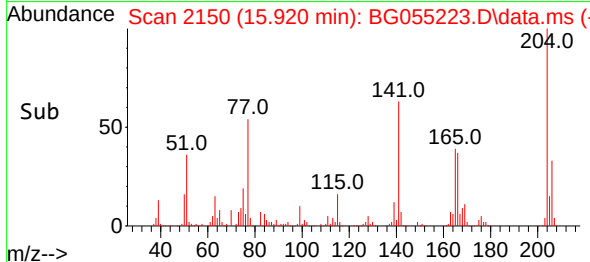
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



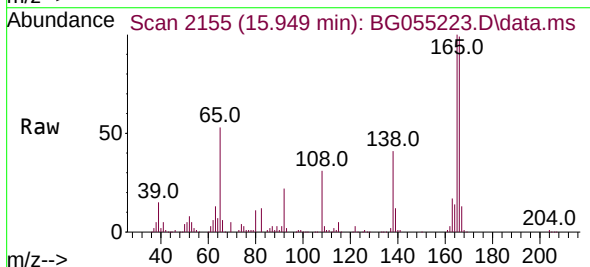
Tgt Ion:204 Resp: 199049
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 62.7 51.0 76.4

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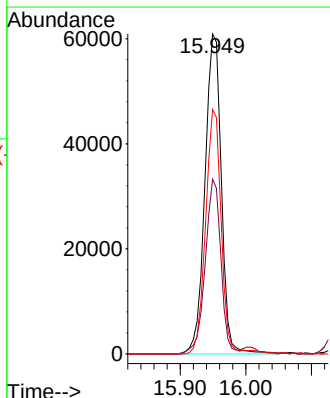
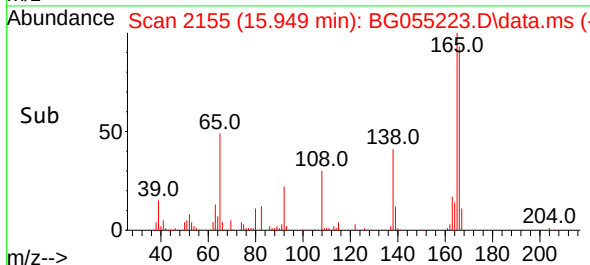
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

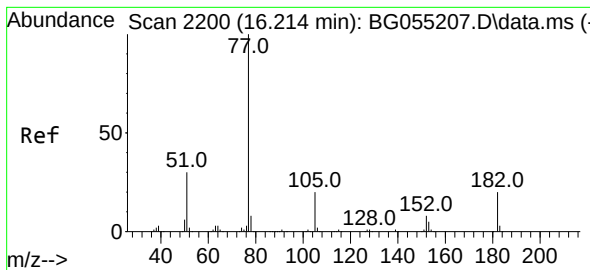


#62
4-Nitroaniline
Concen: 42.211 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



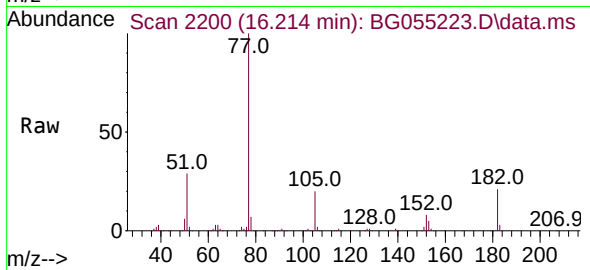
Tgt Ion:138 Resp: 105551
Ion Ratio Lower Upper
138 100
92 54.6 33.9 73.9
108 76.4 55.1 95.1





#63
Azobenzene
Concen: 46.239 ng
RT: 16.214 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

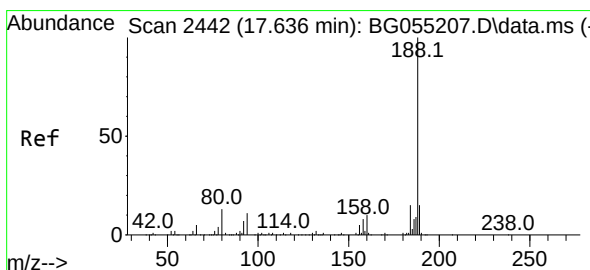
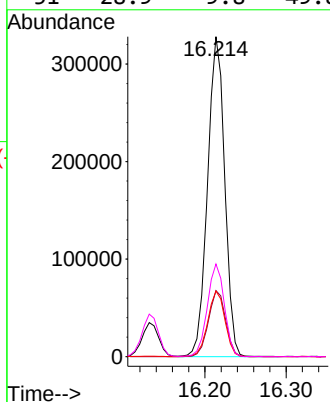
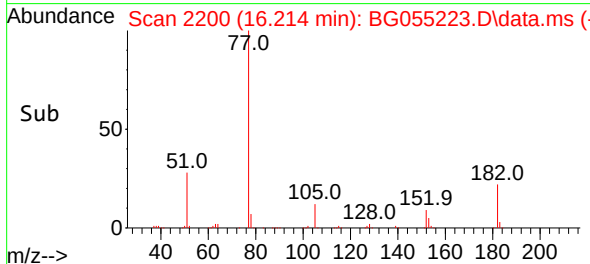
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



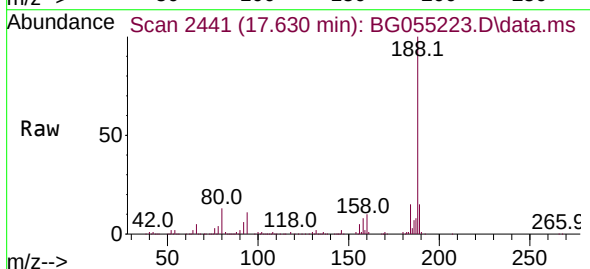
Tgt Ion: 77 Resp: 482194
Ion Ratio Lower Upper
77 100
182 20.7 0.0 39.9
105 20.5 0.2 40.2
51 28.9 9.8 49.8

Manual Integrations
APPROVED

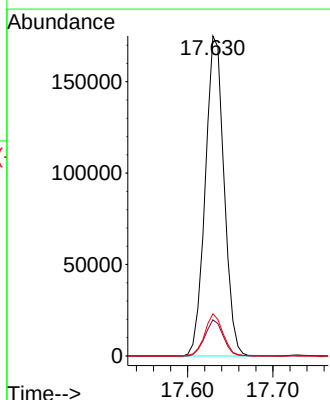
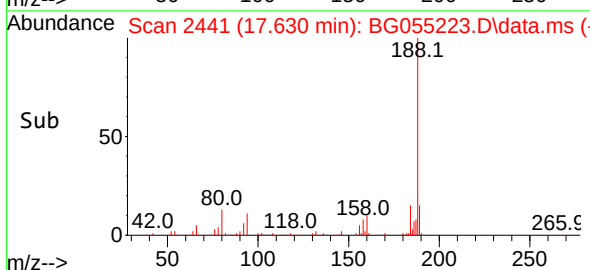
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

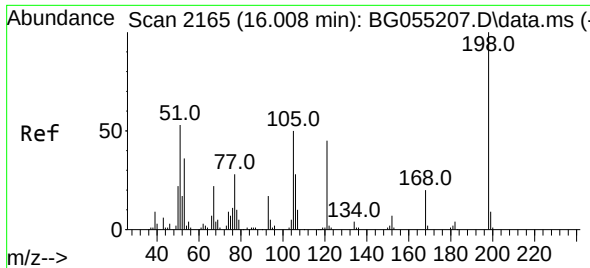


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



Tgt Ion:188 Resp: 267302
Ion Ratio Lower Upper
188 100
94 11.3 8.6 12.8
80 13.1 10.4 15.6





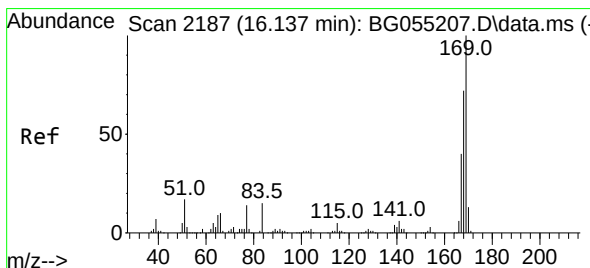
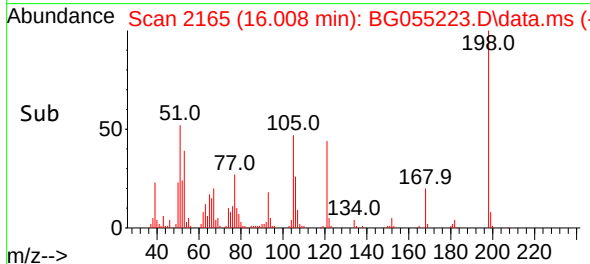
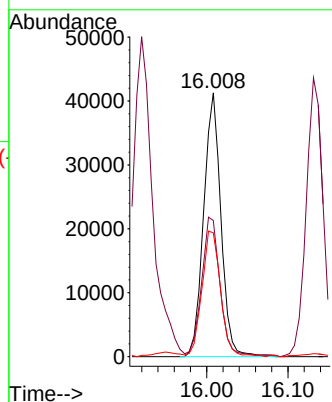
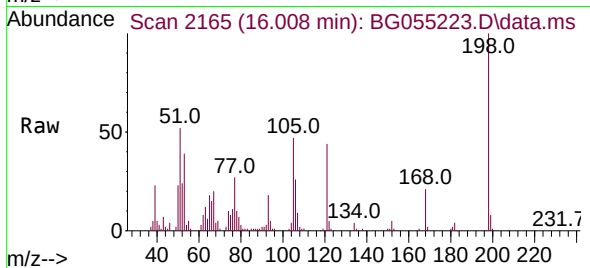
#65
4,6-Dinitro-2-methylphenol
Concen: 42.782 ng
RT: 16.008 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:198 Resp: 61086
Ion Ratio Lower Upper
198 100
51 51.6 37.0 77.0
105 46.9 30.8 70.8

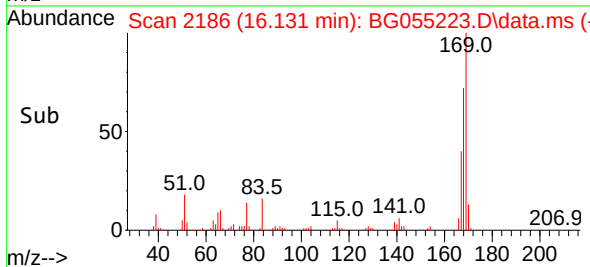
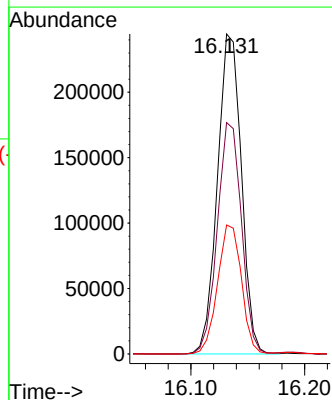
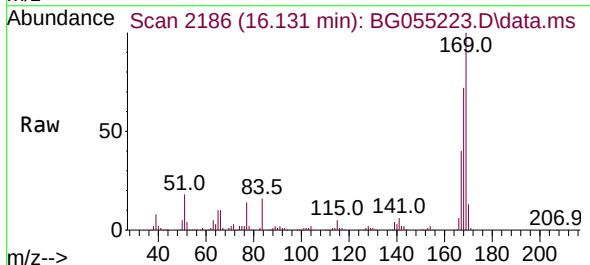
Manual Integrations
APPROVED

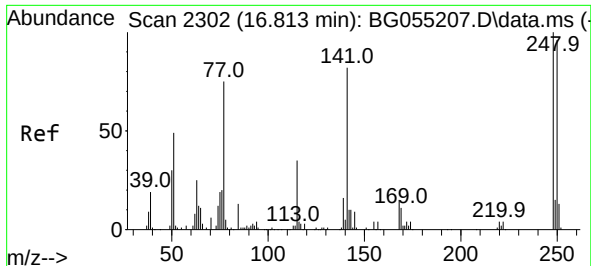
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#66
n-Nitrosodiphenylamine
Concen: 47.980 ng
RT: 16.131 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

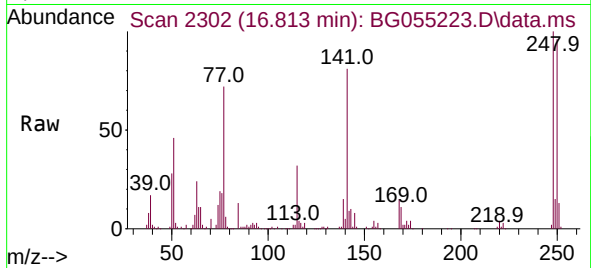
Tgt Ion:169 Resp: 357938
Ion Ratio Lower Upper
169 100
168 72.3 57.7 86.5
167 40.3 31.8 47.6





#67
4-Bromophenyl-phenylether
Concen: 47.652 ng
RT: 16.813 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

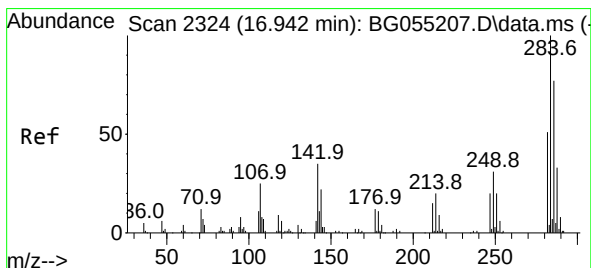
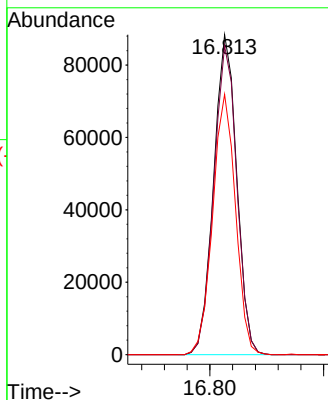
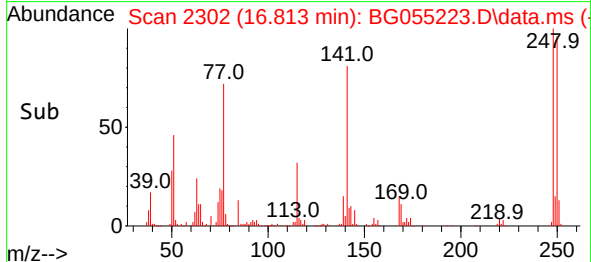
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



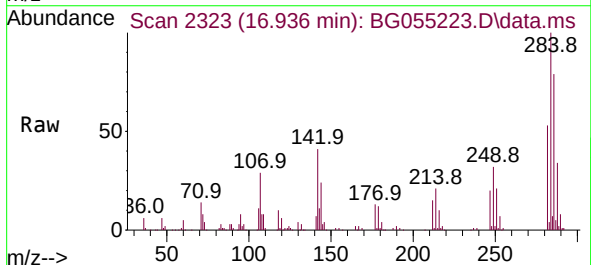
Tgt Ion:248 Resp: 12415
Ion Ratio Lower Upper
248 100
250 96.5 76.7 115.1
141 81.3 65.3 97.9

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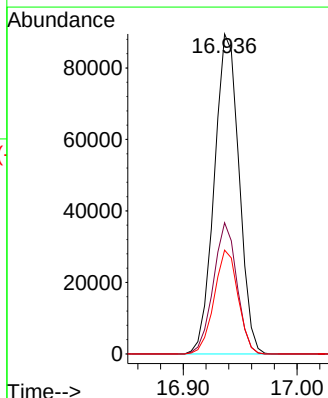
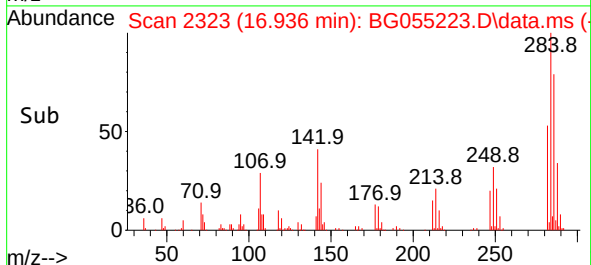
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

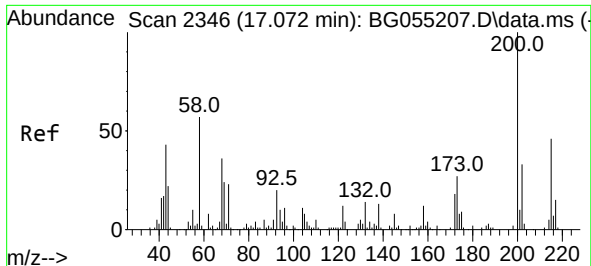


#68
Hexachlorobenzene
Concen: 47.388 ng
RT: 16.936 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09



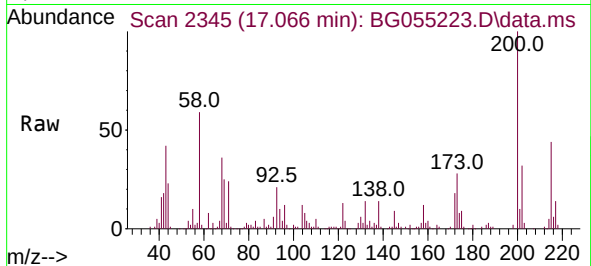
Tgt Ion:284 Resp: 135124
Ion Ratio Lower Upper
284 100
142 41.0 28.1 42.1
249 32.4 25.0 37.6





#69
 Atrazine
 Concen: 54.503 ng
 RT: 17.066 min Scan# 2345
 Delta R.T. -0.006 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

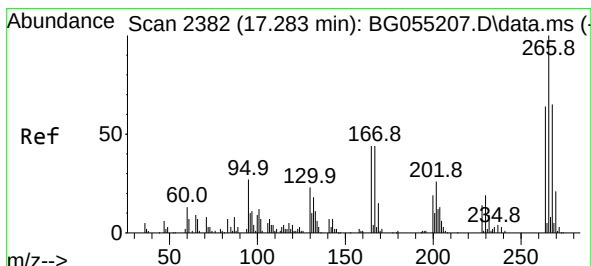
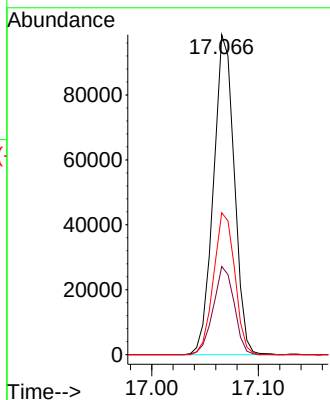
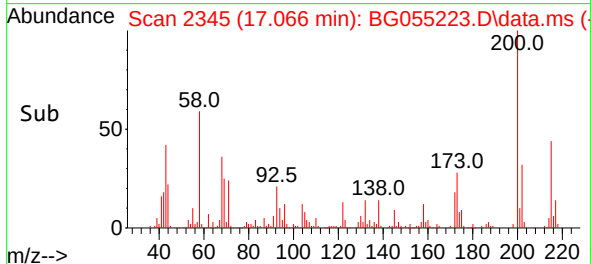
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMS



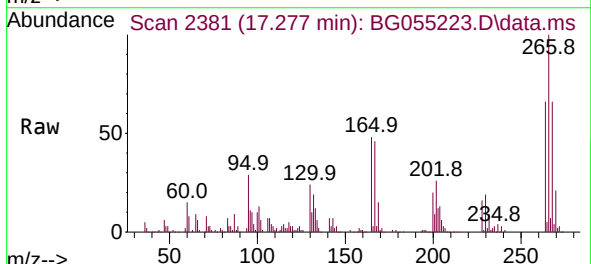
Tgt Ion:200 Resp: 134012
 Ion Ratio Lower Upper
 200 100
 173 27.5 6.8 46.8
 215 44.3 25.7 65.7

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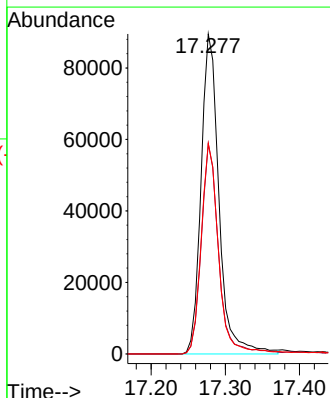
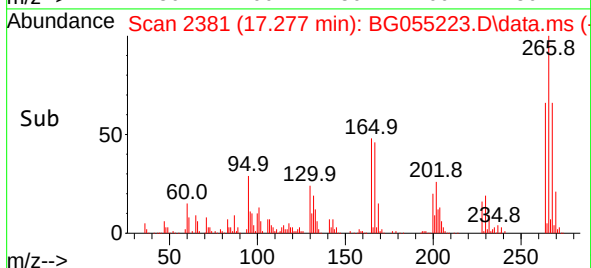
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022

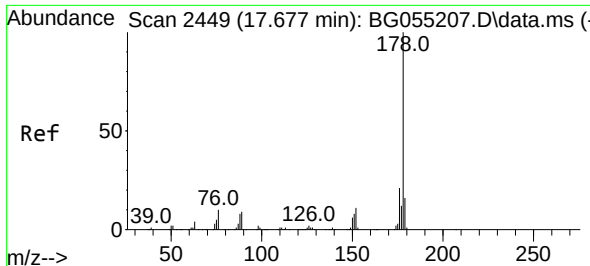


#70
 Pentachlorophenol
 Concen: 97.575 ng
 RT: 17.277 min Scan# 2381
 Delta R.T. -0.006 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09



Tgt Ion:266 Resp: 150157
 Ion Ratio Lower Upper
 266 100
 268 65.7 55.8 83.6
 264 65.7 51.1 76.7





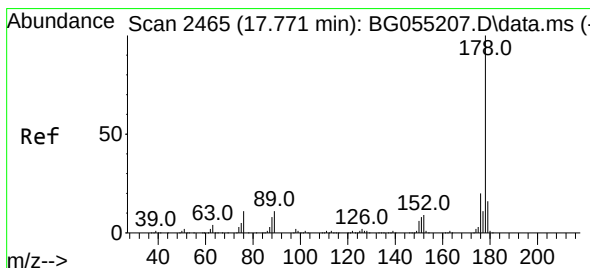
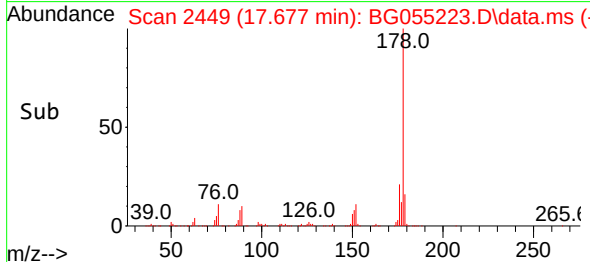
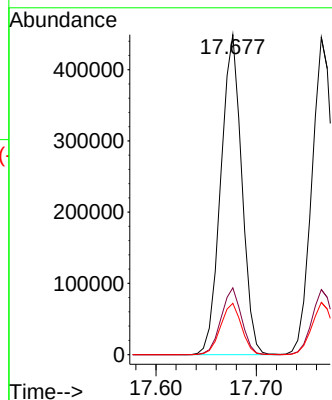
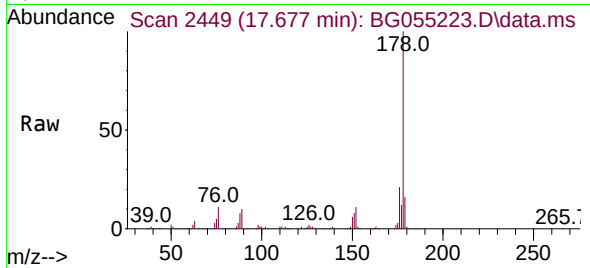
#71
Phenanthrene
Concen: 45.738 ng
RT: 17.677 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:178 Resp: 652396
Ion Ratio Lower Upper
178 100
176 20.9 16.4 24.6
179 16.0 12.8 19.2

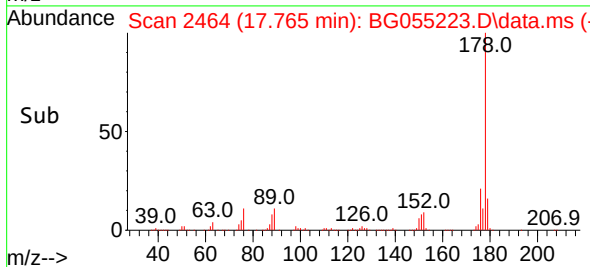
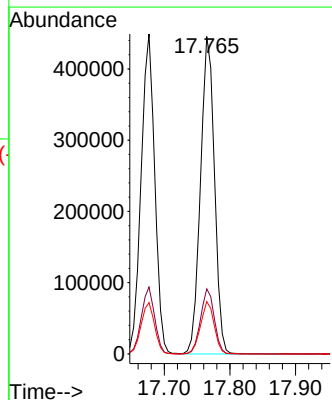
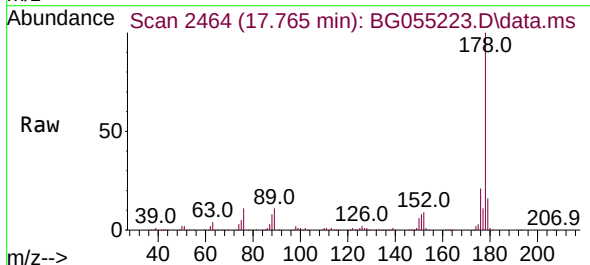
Manual Integrations
APPROVED

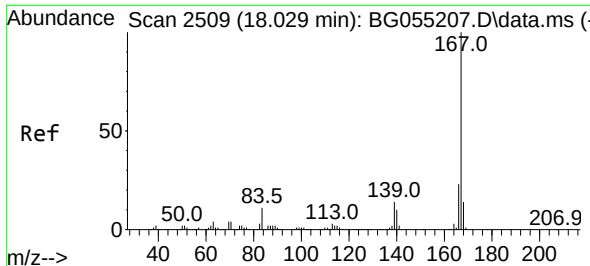
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#72
Anthracene
Concen: 47.046 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

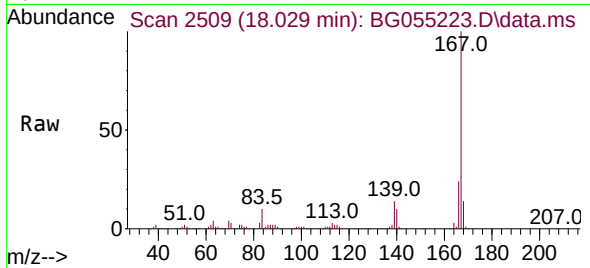
Tgt Ion:178 Resp: 655744
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.2
179 16.5 13.0 19.4





#73
 Carbazole
 Concen: 48.827 ng
 RT: 18.029 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

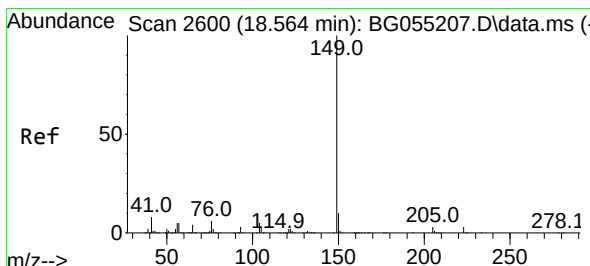
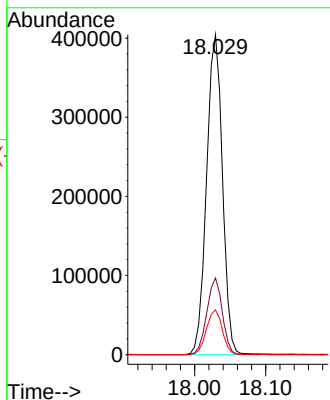
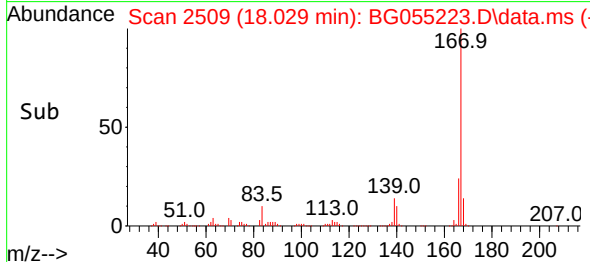
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMS



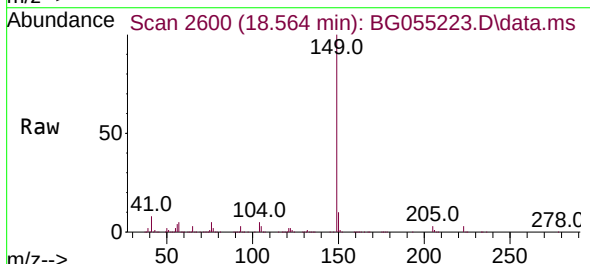
Tgt Ion:167 Resp: 626724
 Ion Ratio Lower Upper
 167 100
 166 24.0 18.5 27.7
 139 14.0 11.3 16.9

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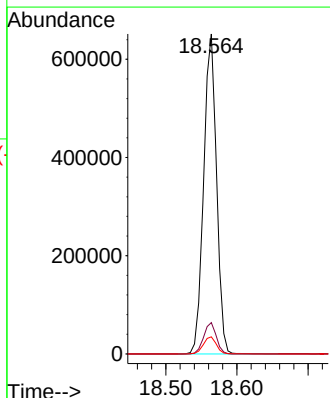
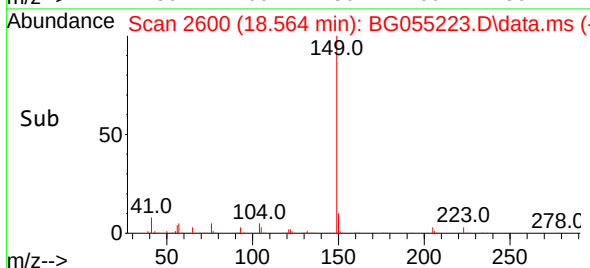
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022

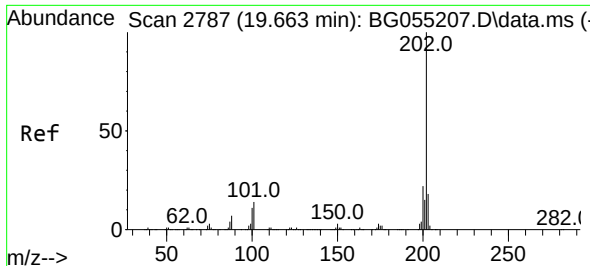


#74
 Di-n-butylphthalate
 Concen: 48.721 ng
 RT: 18.564 min Scan# 2600
 Delta R.T. -0.000 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09



Tgt Ion:149 Resp: 815678
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.8 11.6
 104 5.3 4.4 6.6





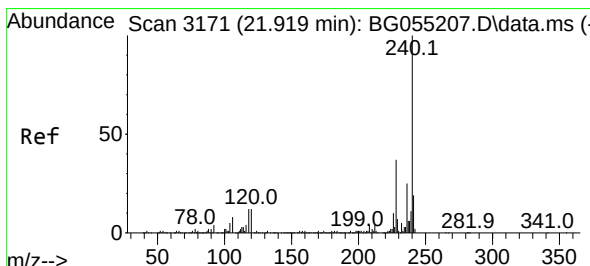
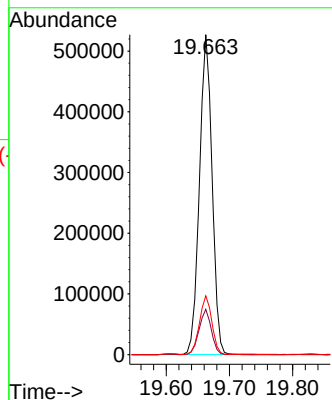
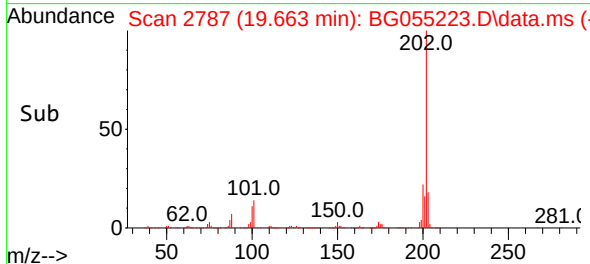
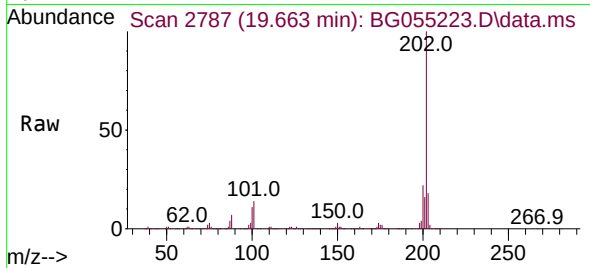
#75
Fluoranthene
Concen: 46.267 ng
RT: 19.663 min Scan# 2101
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:202 Resp: 731018
Ion Ratio Lower Upper
202 100
101 14.1 0.0 34.2
203 18.4 0.0 38.5

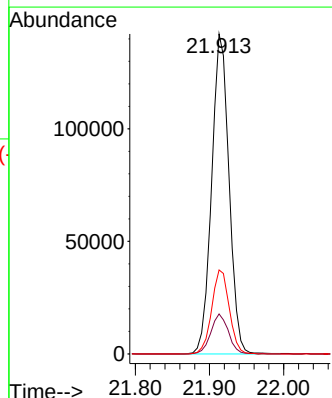
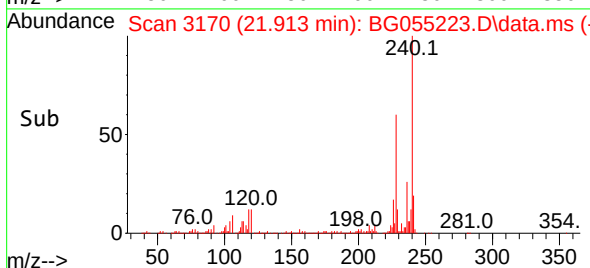
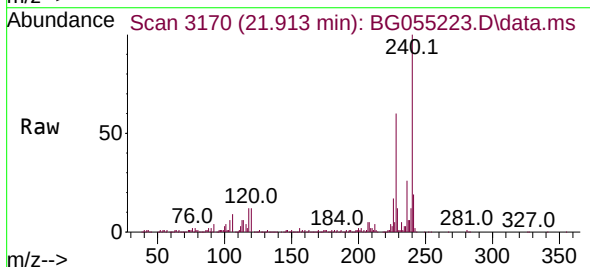
Manual Integrations
APPROVED

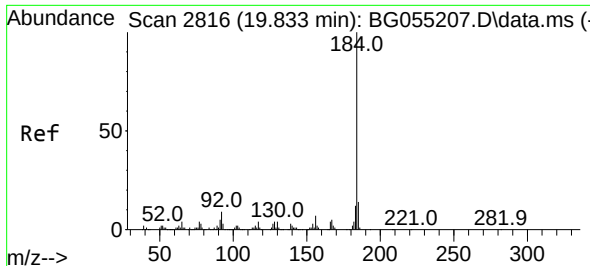
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3170
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

Tgt Ion:240 Resp: 230579
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 26.2 20.4 30.6





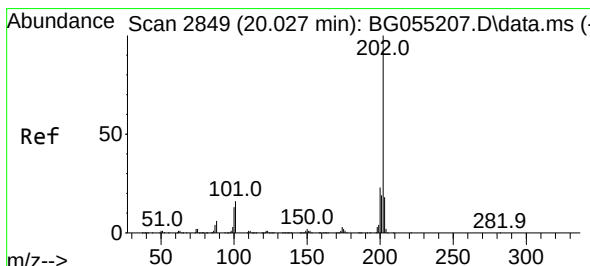
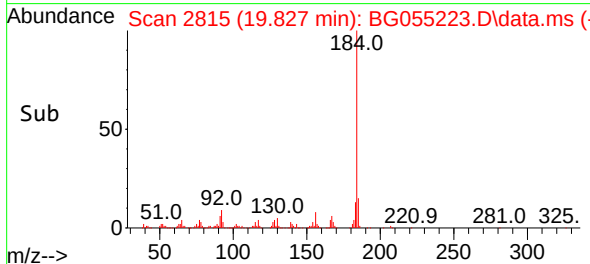
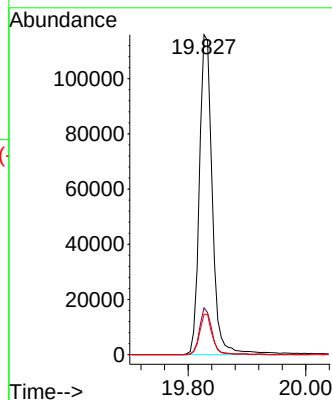
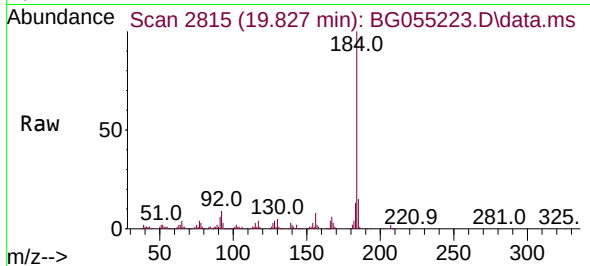
#77
Benzidine
Concen: 30.085 ng
RT: 19.827 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

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

Tgt Ion:184 Resp: 176401
Ion Ratio Lower Upper
184 100
185 14.6 11.4 17.2
183 12.6 9.8 14.6

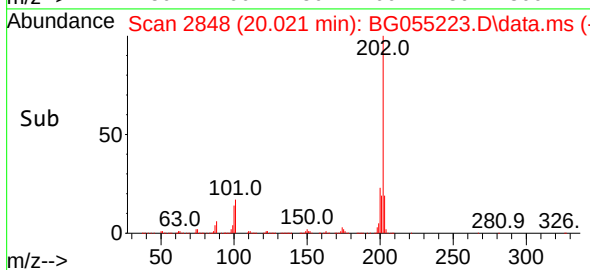
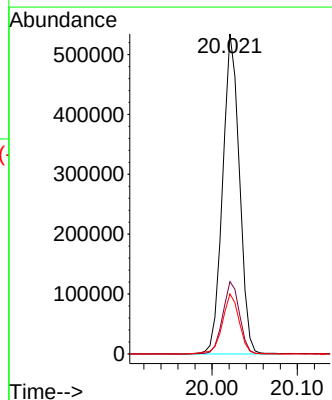
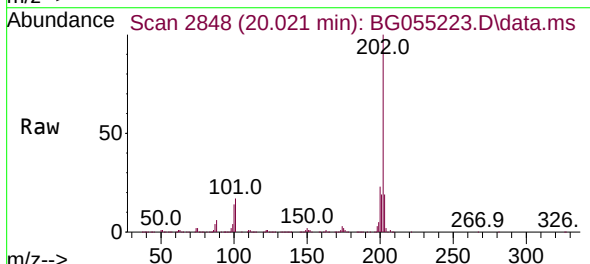
Manual Integrations
APPROVED

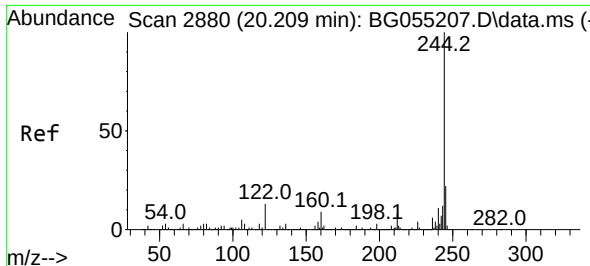
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#78
Pyrene
Concen: 41.987 ng
RT: 20.021 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

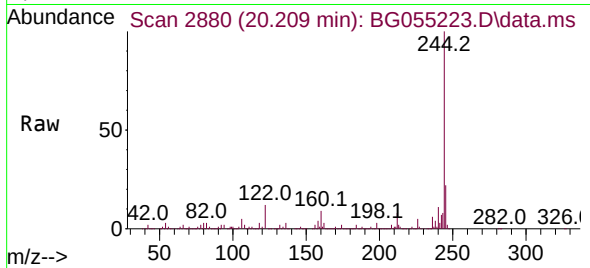
Tgt Ion:202 Resp: 729498
Ion Ratio Lower Upper
202 100
200 22.6 18.2 27.2
203 18.7 14.6 22.0





#79
 Terphenyl-d14
 Concen: 85.023 ng
 RT: 20.209 min Scan# 2880
 Delta R.T. -0.000 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

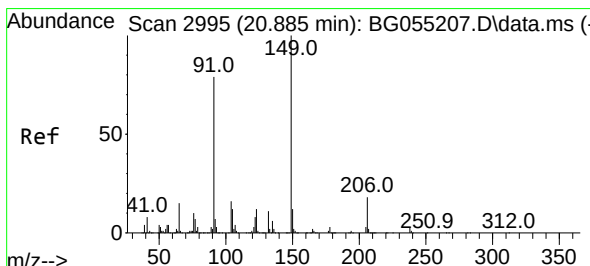
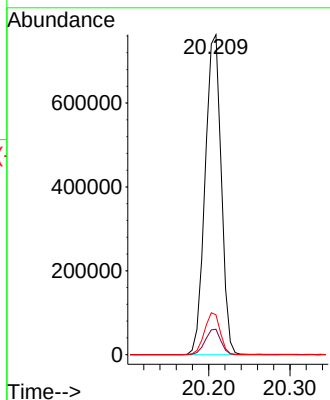
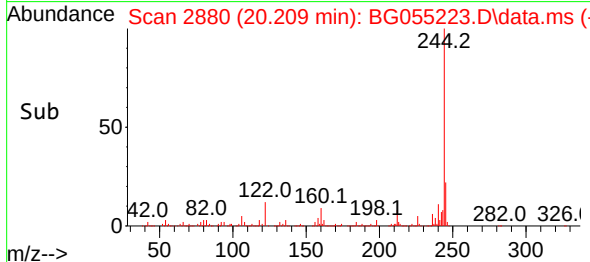
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMS



Tgt Ion:244 Resp: 1052140
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 12.4 10.0 15.0

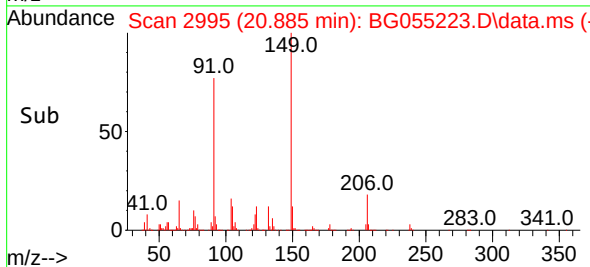
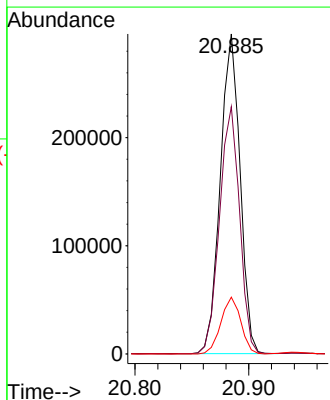
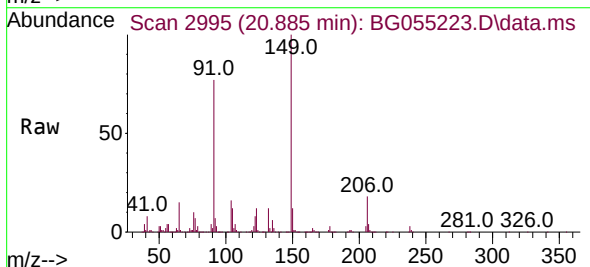
Manual Integrations
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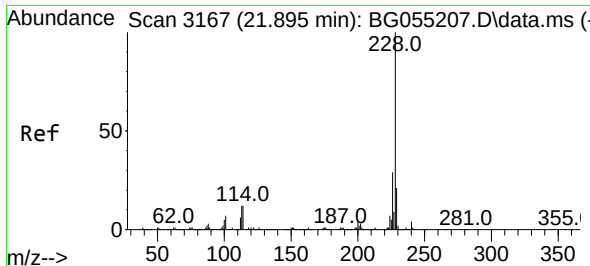
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#80
 Butylbenzylphthalate
 Concen: 43.861 ng
 RT: 20.885 min Scan# 2995
 Delta R.T. -0.000 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

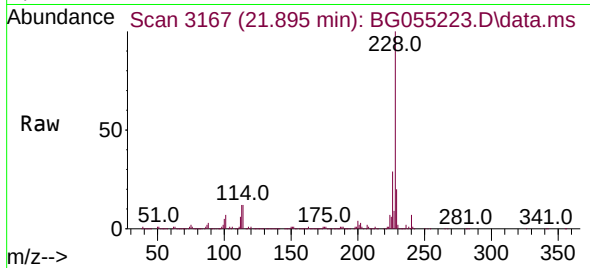
Tgt Ion:149 Resp: 356194
 Ion Ratio Lower Upper
 149 100
 91 77.2 63.2 94.8
 206 17.7 14.5 21.7





#81
Benzo(a)anthracene
Concen: 44.854 ng
RT: 21.895 min Scan# 3167
Delta R.T. -0.000 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

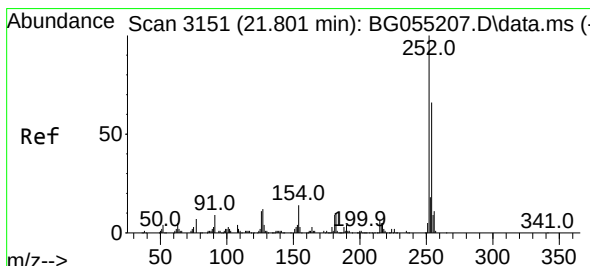
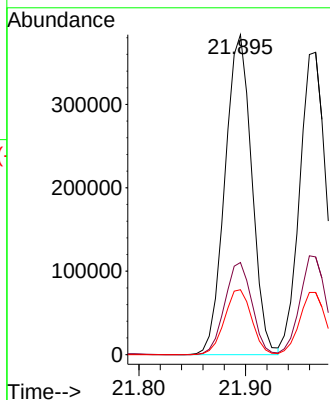
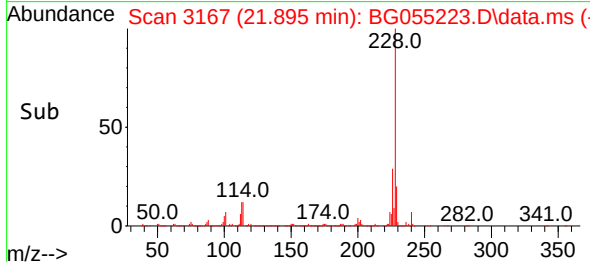
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:228 Resp: 670846
Ion Ratio Lower Upper
228 100
226 28.8 23.1 34.7
229 20.3 16.5 24.7

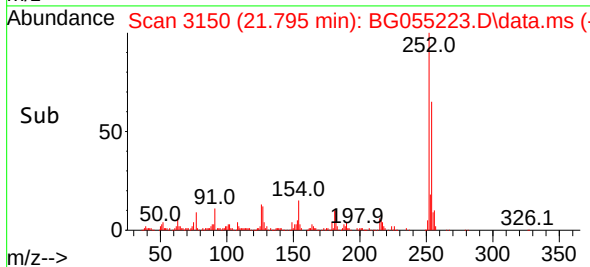
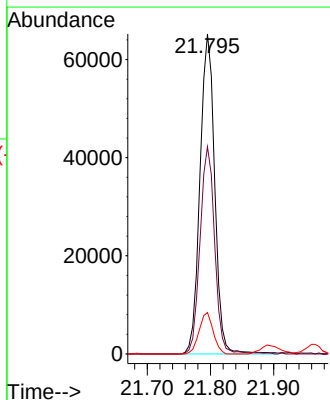
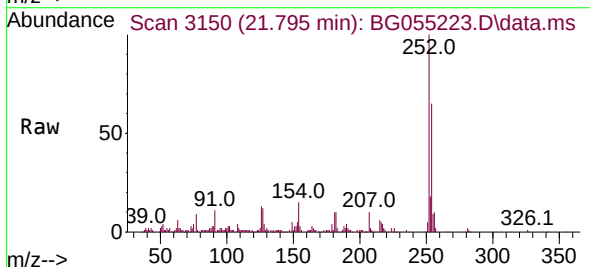
Manual Integrations
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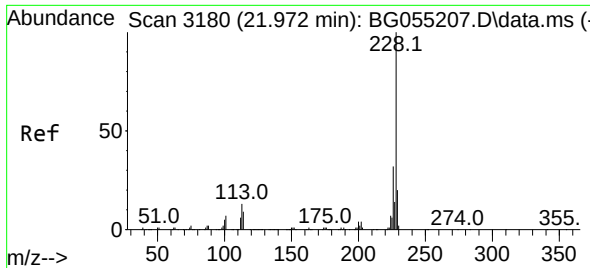
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 20.535 ng
RT: 21.795 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

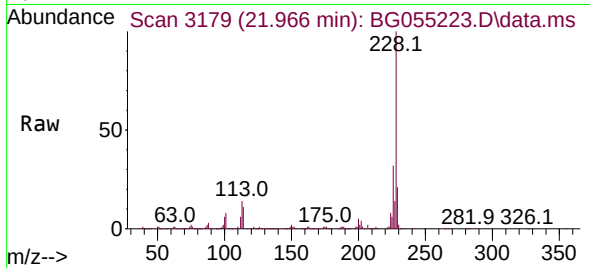
Tgt Ion:252 Resp: 105458
Ion Ratio Lower Upper
252 100
254 64.7 52.8 79.2
126 12.9 9.0 13.6





#83
Chrysene
Concen: 44.594 ng
RT: 21.966 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

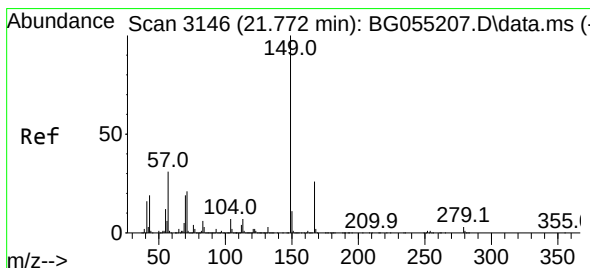
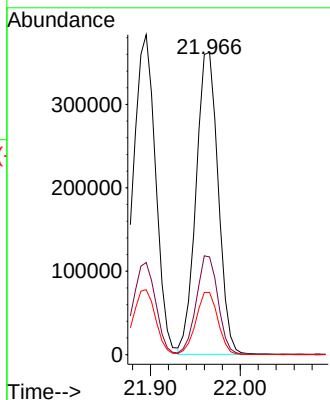
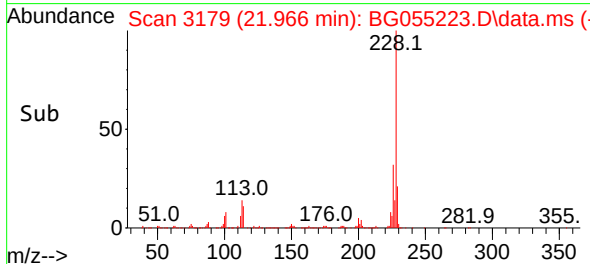
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:228 Resp: 621116
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 20.6 15.8 23.8

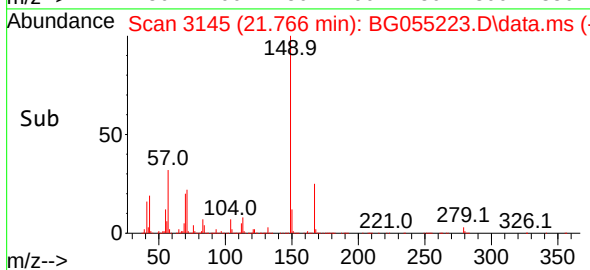
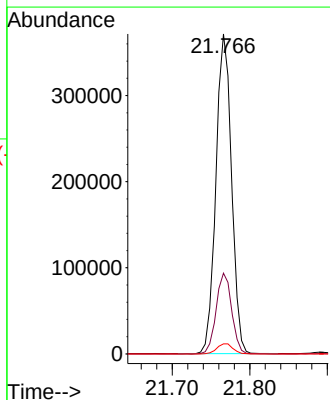
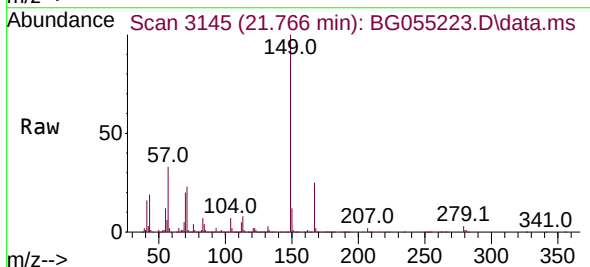
Manual Integrations
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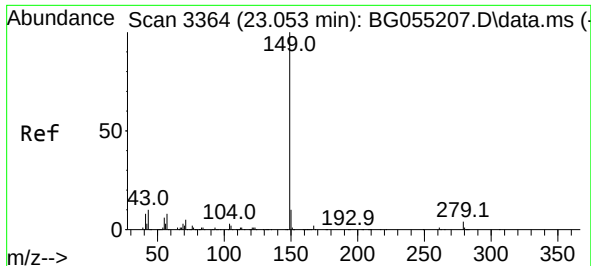
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.955 ng
RT: 21.766 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

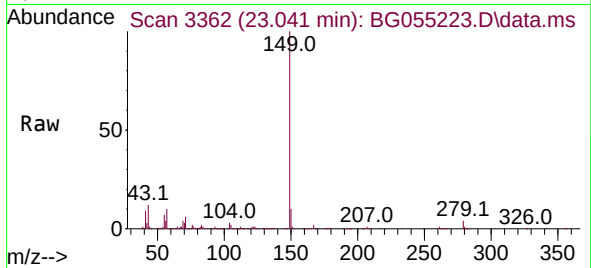
Tgt Ion:149 Resp: 520174
Ion Ratio Lower Upper
149 100
167 25.2 20.6 31.0
279 3.1 2.6 4.0





#85
Di-n-octyl phthalate
Concen: 54.786 ng
RT: 23.041 min Scan# 3364
Delta R.T. -0.012 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

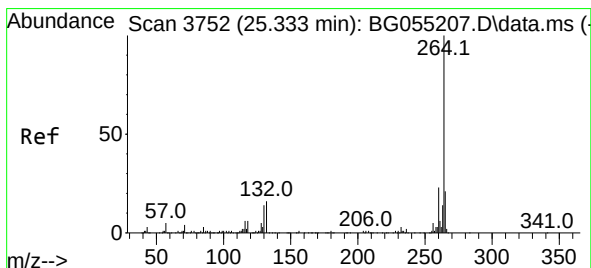
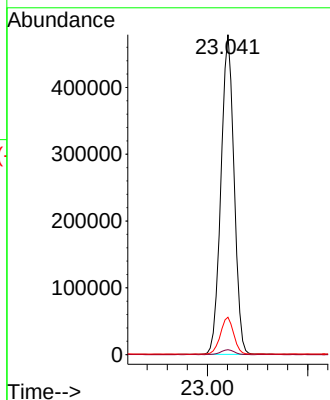
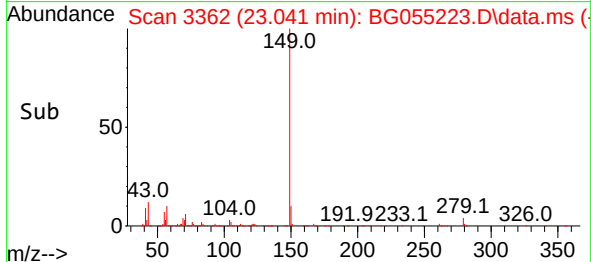
Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMS



Tgt Ion:149 Resp: 867926
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.5 7.8 11.8

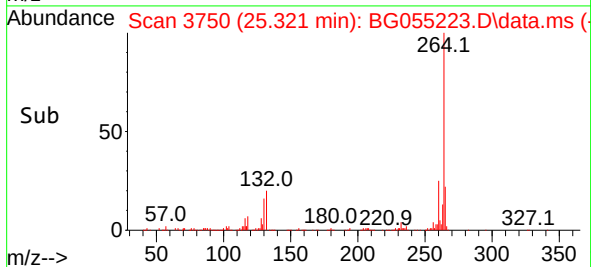
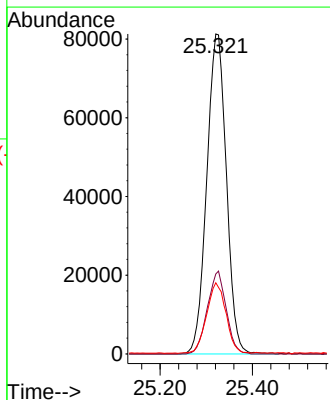
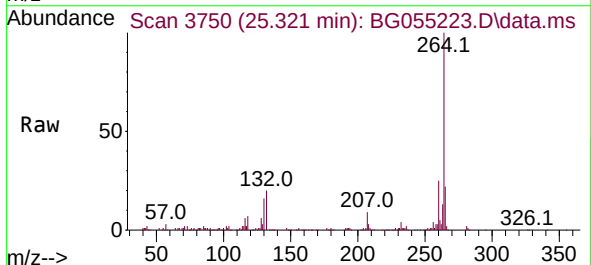
Manual Integrations
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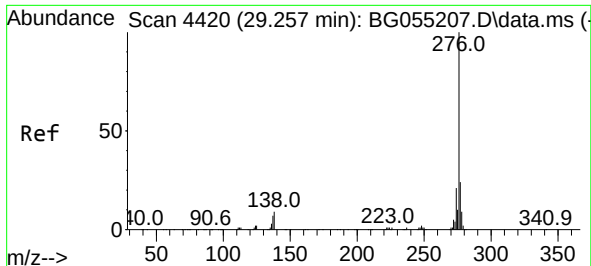
Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.321 min Scan# 3750
Delta R.T. -0.012 min
Lab File: BG055223.D
Acq: 20 Oct 2022 17:09

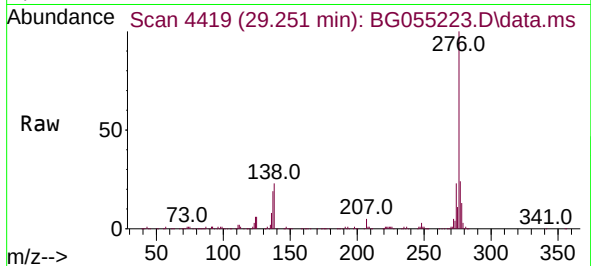
Tgt Ion:264 Resp: 239633
Ion Ratio Lower Upper
264 100
260 25.0 18.6 27.8
265 22.2 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 46.568 ng
 RT: 29.251 min Scan# 4419
 Delta R.T. -0.006 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

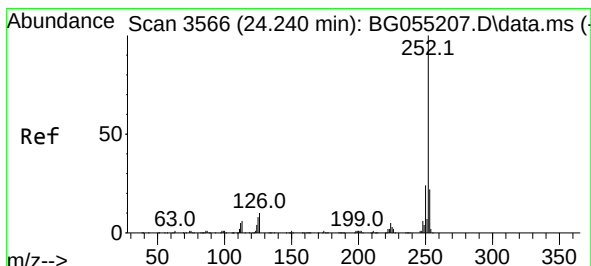
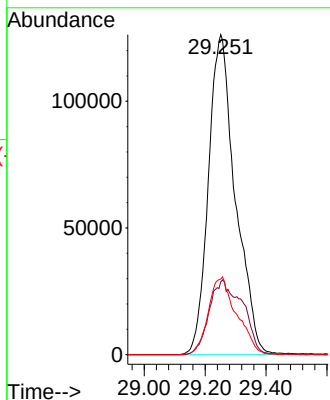
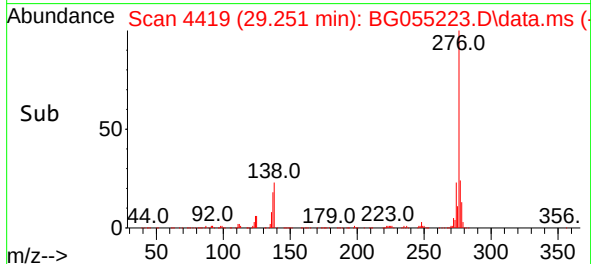
Instrument :
 BNA_G
 ClientSampleId :
 PIT-14-EXCAVATION-SOILMS



Tgt Ion:276 Resp: 776142
 Ion Ratio Lower Upper
 276 100
 138 28.9 9.5 14.3#
 277 25.5 20.5 30.7#

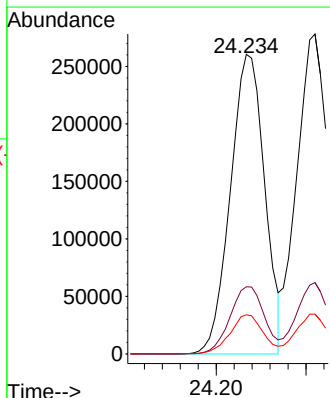
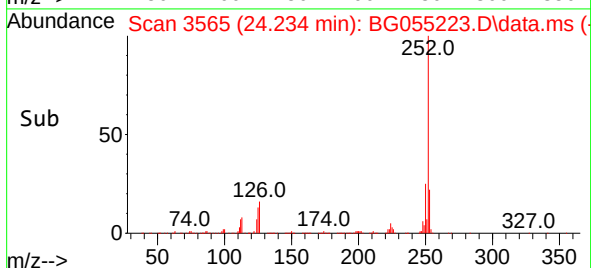
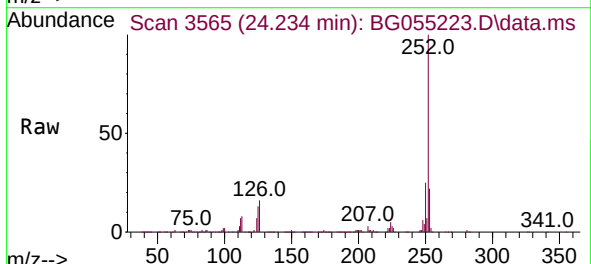
Manual Integrations
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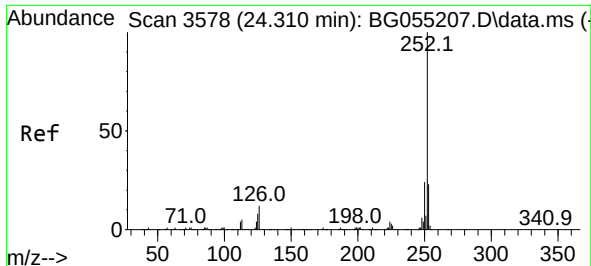
Reviewed By :Christian Giraldo 10/21/2022
 Supervised By :Jagrut Upadhyay 10/21/2022



#88
 Benzo(b)fluoranthene
 Concen: 48.501 ng
 RT: 24.234 min Scan# 3565
 Delta R.T. -0.006 min
 Lab File: BG055223.D
 Acq: 20 Oct 2022 17:09

Tgt Ion:252 Resp: 690174
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.6
 125 13.1 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 47.392 ng

RT: 24.310 min Scan# 3578

Delta R.T. -0.000 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMS

Tgt Ion:252 Resp: 68300

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

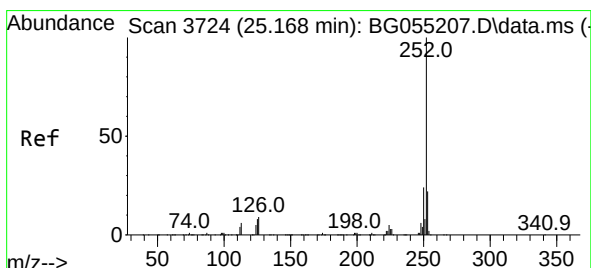
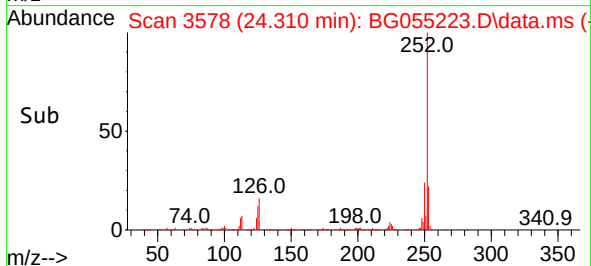
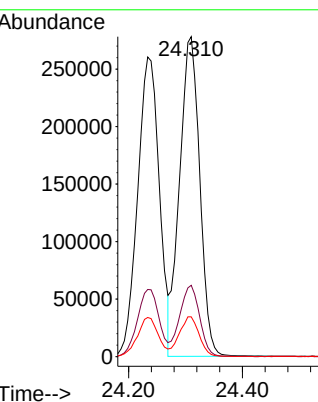
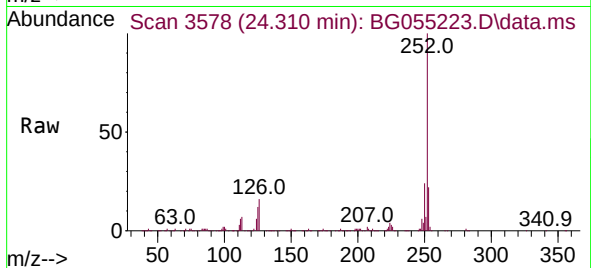
125 12.4 6.5 9.7

Manual Integrations

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Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#90

Benzo(a)pyrene

Concen: 49.862 ng

RT: 25.168 min Scan# 3724

Delta R.T. -0.000 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

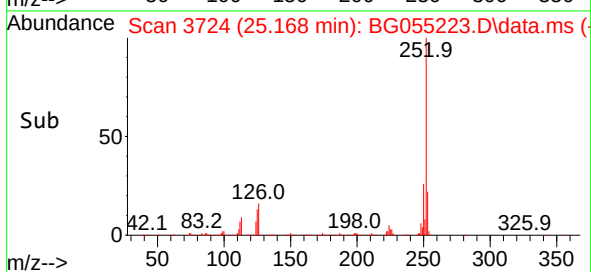
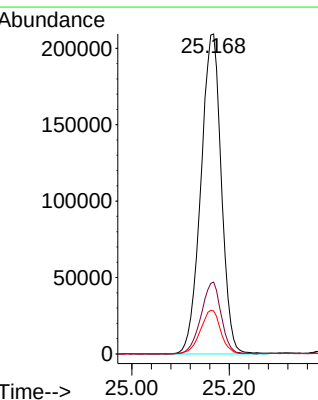
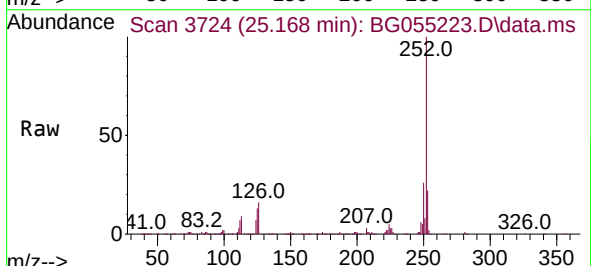
Tgt Ion:252 Resp: 609009

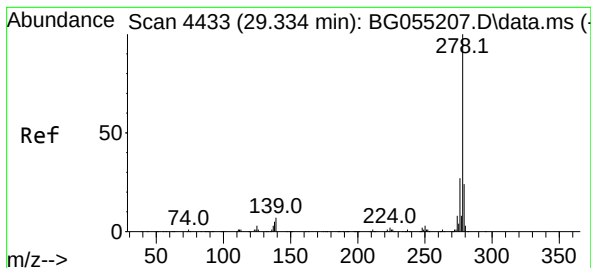
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 13.4 6.2 9.2





#91

Dibenzo(a,h)anthracene

Concen: 48.936 ng

RT: 29.322 min Scan# 4431

Delta R.T. -0.012 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

Instrument :

BNA_G

ClientSampleId :

PIT-14-EXCAVATION-SOILMS

Tgt Ion:278 Resp: 66818

Ion Ratio Lower Upper

278 100

139 17.8 5.6 8.4

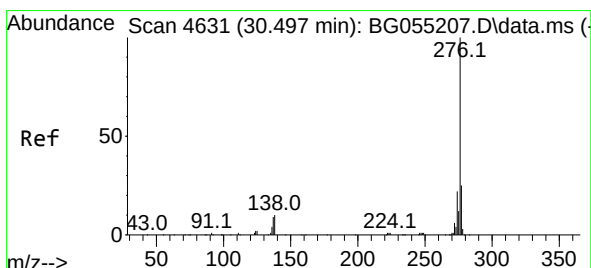
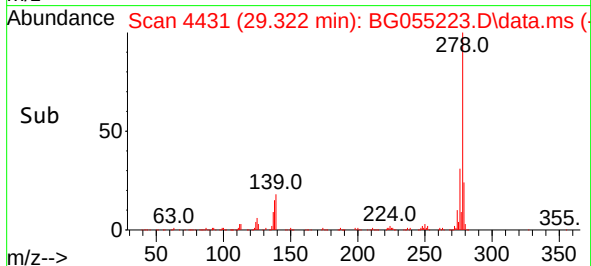
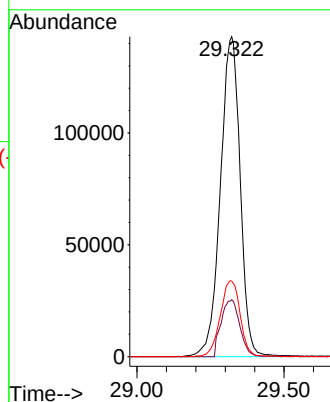
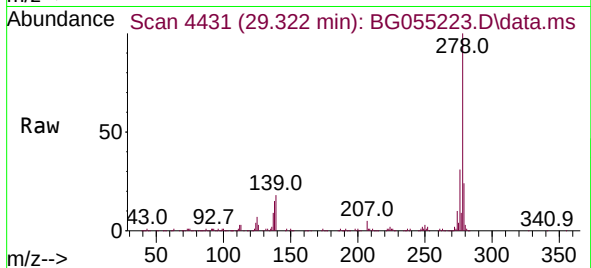
279 23.6 19.5 29.3

Manual Integrations

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Reviewed By :Christian Giraldo 10/21/2022

Supervised By :Jagrut Upadhyay 10/21/2022



#92

Benzo(g,h,i)perylene

Concen: 49.987 ng

RT: 30.485 min Scan# 4629

Delta R.T. -0.012 min

Lab File: BG055223.D

Acq: 20 Oct 2022 17:09

Tgt Ion:276 Resp: 661199

Ion Ratio Lower Upper

276 100

277 24.0 19.7 29.5

138 23.4 8.0 12.0

