

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
 Data File : BG055263.D
 Acq On : 24 Oct 2022 19:27
 Operator : CG/JU
 Sample : N5211-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MSD

Quant Time: Oct 25 01:21:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 10/25/2022
 Supervised By : mohammad ahmed 10/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	40504	20.000	ng	0.00
21) Naphthalene-d8	11.101	136	170133	20.000	ng	0.00
39) Acenaphthene-d10	14.885	164	111008	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	254082	20.000	ng	0.00
76) Chrysene-d12	21.901	240	231687	20.000	ng	0.00
86) Perylene-d12	25.291	264	245864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.802	112	351282	151.858	ng	0.01
7) Phenol-d6	7.418	99	453138	135.211	ng	0.00
23) Nitrobenzene-d5	9.445	82	325514	97.699	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	212695	176.254	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	679049	100.122	ng	0.00
79) Terphenyl-d14	20.191	244	1192741	106.961	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.616	88	49074	43.937	ng	# 51
3) Pyridine	4.039	79	126104	37.492	ng	97
4) n-Nitrosodimethylamine	3.939	42	69773	46.691	ng	96
6) Aniline	7.588	93	165856	37.804	ng	98
8) 2-Chlorophenol	7.835	128	139135	51.736	ng	99
9) Benzaldehyde	7.400	77	71335	31.175	ng	98
10) Phenol	7.447	94	167897	44.726	ng	99
11) bis(2-Chloroethyl)ether	7.676	93	137355	48.472	ng	97
12) 1,3-Dichlorobenzene	8.164	146	142781	48.659	ng	99
13) 1,4-Dichlorobenzene	8.311	146	144105	48.081	ng	99
14) 1,2-Dichlorobenzene	8.634	146	139006	48.171	ng	99
15) Benzyl Alcohol	8.505	79	143648	51.220	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.798	45	215802	46.535	ng	99
17) 2-Methylphenol	8.710	107	128213	48.295	ng	99
18) Hexachloroethane	9.368	117	51184	47.959	ng	100
19) n-Nitroso-di-n-propyla...	9.080	70	125778	45.195	ng	99
20) 3+4-Methylphenols	9.039	107	174409	45.869	ng	98
22) Acetophenone	9.098	105	223939	51.485	ng	# 99
24) Nitrobenzene	9.492	77	173328	49.962	ng	100
25) Isophorone	10.015	82	348128	51.730	ng	98
26) 2-Nitrophenol	10.203	139	80533	53.009	ng	98
27) 2,4-Dimethylphenol	10.250	122	147185m	62.057	ng	
28) bis(2-Chloroethoxy)met...	10.485	93	195375	57.500	ng	97
29) 2,4-Dichlorophenol	10.743	162	139659	54.890	ng	97
30) 1,2,4-Trichlorobenzene	10.960	180	126301	48.637	ng	98
31) Naphthalene	11.154	128	436777	48.124	ng	100
32) Benzoic acid	10.367	122	25991	17.396	ng	96
33) 4-Chloroaniline	11.254	127	93558	24.112	ng	99
34) Hexachlorobutadiene	11.430	225	74264	50.053	ng	98
35) Caprolactam	12.024	113	49125m	41.601	ng	
36) 4-Chloro-3-methylphenol	12.353	107	171656	53.616	ng	99
37) 2-Methylnaphthalene	12.735	142	315938	48.281	ng	99
38) 1-Methylnaphthalene	12.952	142	302946	46.927	ng	100
40) 1,2,4,5-Tetrachloroben...	13.099	216	146145	54.585	ng	99
41) Hexachlorocyclopentadiene	13.076	237	151407	116.761	ng	96
43) 2,4,6-Trichlorophenol	13.328	196	112721	57.003	ng	99

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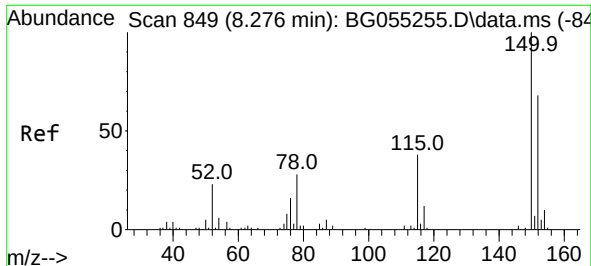
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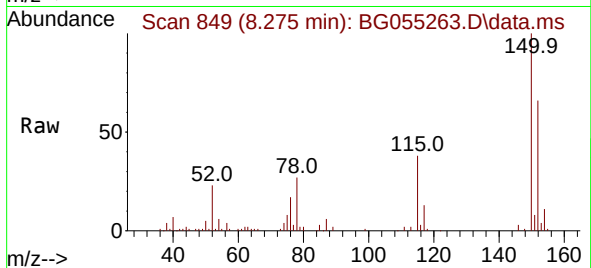
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.405	196	124630	56.981	ng	99
46) 1,1'-Biphenyl	13.728	154	426371	56.001	ng	98
47) 2-Chloronaphthalene	13.775	162	315549	52.558	ng	99
48) 2-Nitroaniline	13.969	65	129501	55.155	ng	99
49) Acenaphthylene	14.615	152	544296	52.517	ng	100
50) Dimethylphthalate	14.333	163	462178	53.028	ng	100
51) 2,6-Dinitrotoluene	14.450	165	98458	55.515	ng	99
52) Acenaphthene	14.950	154	360587m	54.582	ng	
53) 3-Nitroaniline	14.785	138	91201	40.914	ng	95
54) 2,4-Dinitrophenol	14.991	184	63762	62.345	ng	97
55) Dibenzofuran	15.279	168	522693	52.737	ng	99
56) 4-Nitrophenol	15.085	139	169980	106.615	ng	98
57) 2,4-Dinitrotoluene	15.238	165	143369	55.705	ng	95
58) Fluorene	15.925	166	430829	52.242	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.502	232	109086	55.944	ng	98
60) Diethylphthalate	15.678	149	487601	52.593	ng	99
61) 4-Chlorophenyl-phenyle...	15.908	204	208460	55.007	ng	99
62) 4-Nitroaniline	15.943	138	120324	51.366	ng	99
63) Azobenzene	16.201	77	481998	53.365	ng	100
65) 4,6-Dinitro-2-methylph...	15.996	198	60365	43.217	ng	97
66) n-Nitrosodiphenylamine	16.119	169	386845	54.700	ng	99
67) 4-Bromophenyl-phenylether	16.801	248	139653	56.574	ng	99
68) Hexachlorobenzene	16.924	284	153083	54.847	ng	98
69) Atrazine	17.059	200	151332	62.929	ng	99
70) Pentachlorophenol	17.265	266	169331	106.520	ng	96
71) Phenanthrene	17.664	178	711694	52.522	ng	98
72) Anthracene	17.752	178	719603	54.322	ng	99
73) Carbazole	18.017	167	704076	55.259	ng	99
74) Di-n-butylphthalate	18.552	149	889321	55.837	ng	100
75) Fluoranthene	19.650	202	834770	52.869	ng	99
77) Benzidine	19.815	184	286498	51.071	ng	99
78) Pyrene	20.009	202	843765	53.132	ng	98
80) Butylbenzylphthalate	20.866	149	395732	52.734	ng	99
81) Benzo(a)anthracene	21.877	228	785116	50.463	ng	99
82) 3,3'-Dichlorobenzidine	21.777	252	229766	45.344	ng	99
83) Chrysene	21.948	228	729743	49.379	ng	99
84) Bis(2-ethylhexyl)phtha...	21.748	149	573433	53.491	ng	99
85) Di-n-octyl phthalate	23.011	149	962355	53.885	ng	100
87) Indeno(1,2,3-cd)pyrene	29.204	276	927930	51.100	ng	# 91
88) Benzo(b)fluoranthene	24.210	252	828938	56.050	ng	99
89) Benzo(k)fluoranthene	24.286	252	792500	53.068	ng	99
90) Benzo(a)pyrene	25.132	252	720651	56.823	ng	99
91) Dibenzo(a,h)anthracene	29.274	278	802704	53.865	ng	99
92) Benzo(g,h,i)perylene	30.438	276	792883	53.642	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

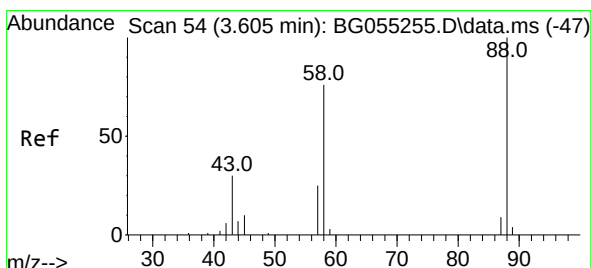
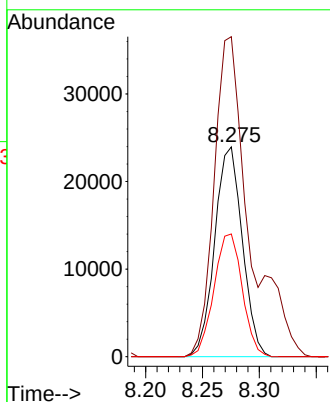
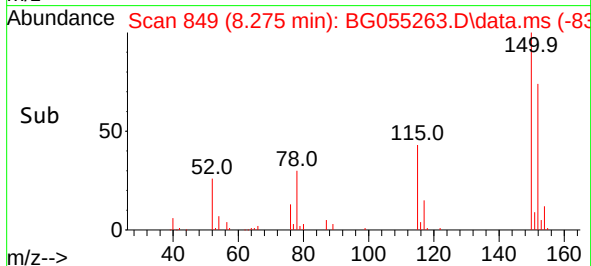
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:152 Resp: 40504
Ion Ratio Lower Upper
152 100
150 152.5 118.2 177.4
115 58.5 44.5 66.7

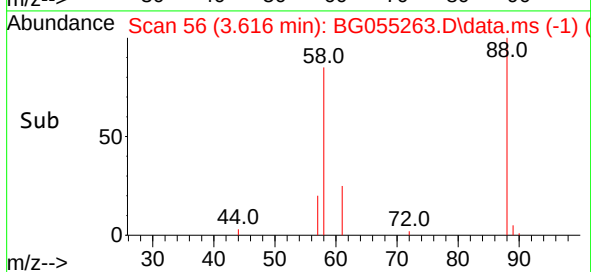
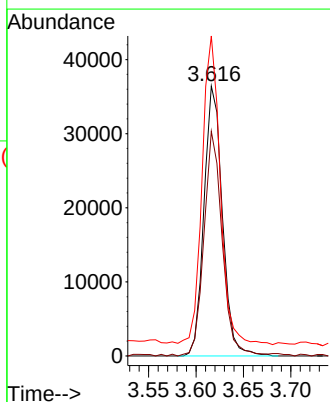
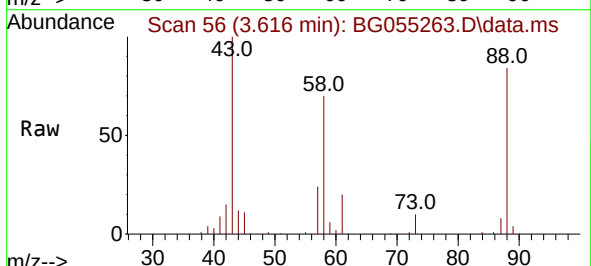
Manual Integrations
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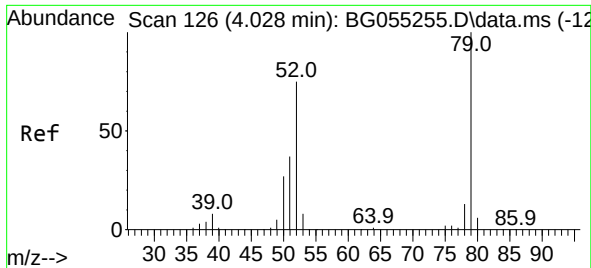
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#2
1,4-Dioxane
Concen: 43.937 ng
RT: 3.616 min Scan# 56
Delta R.T. 0.011 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Tgt Ion: 88 Resp: 49074
Ion Ratio Lower Upper
88 100
58 82.7 61.0 91.6
43 112.4 21.5 32.3#





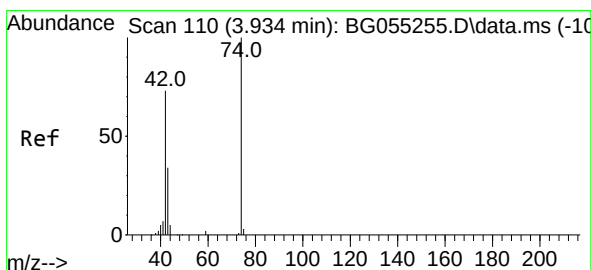
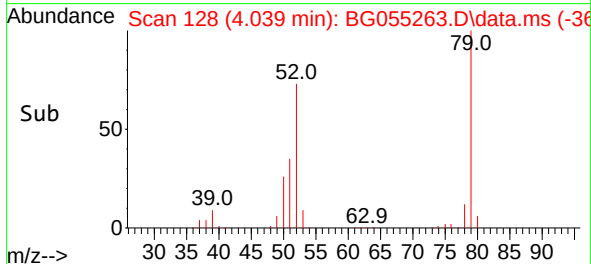
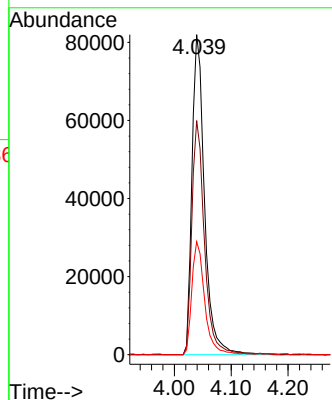
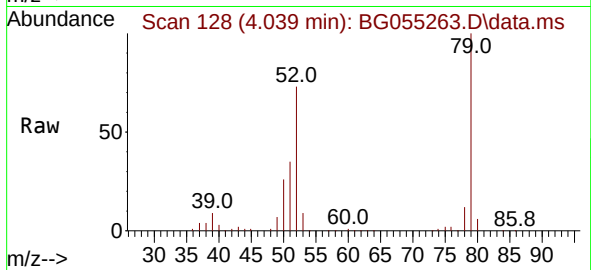
#3
Pyridine
Concen: 37.492 ng
RT: 4.039 min Scan# 110
Delta R.T. 0.011 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD

Tgt Ion: 79 Resp: 126104
Ion Ratio Lower Upper
79 100
52 73.2 59.9 89.9
51 35.3 30.3 45.5

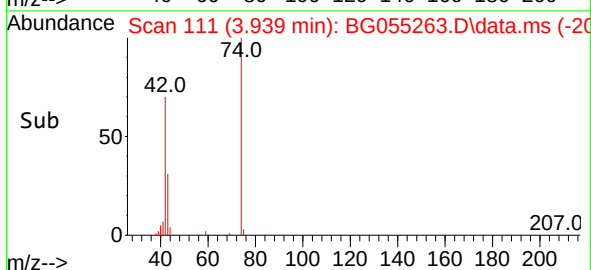
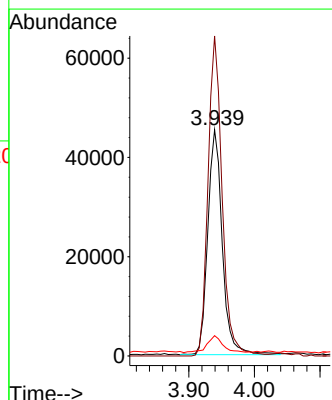
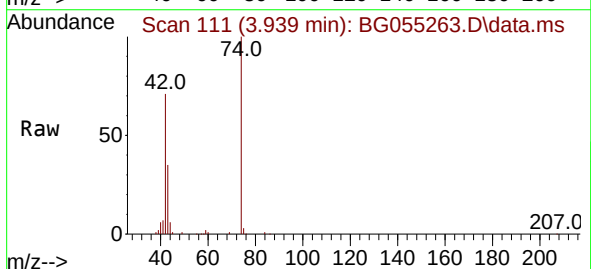
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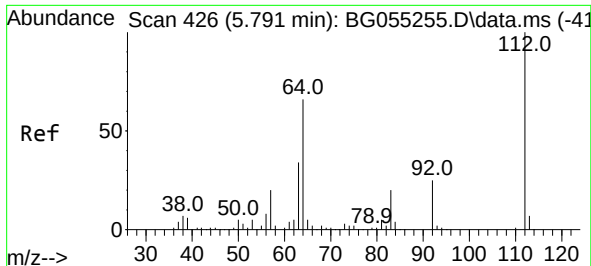
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#4
n-Nitrosodimethylamine
Concen: 46.691 ng
RT: 3.939 min Scan# 111
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Tgt Ion: 42 Resp: 69773
Ion Ratio Lower Upper
42 100
74 141.5 109.8 164.6
44 9.0 6.5 9.7





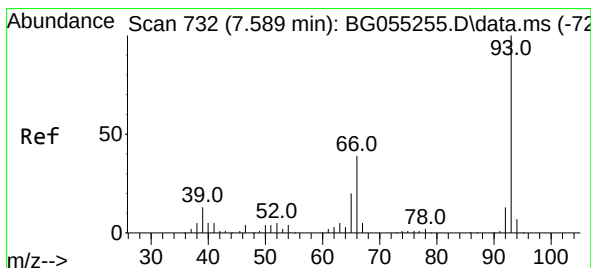
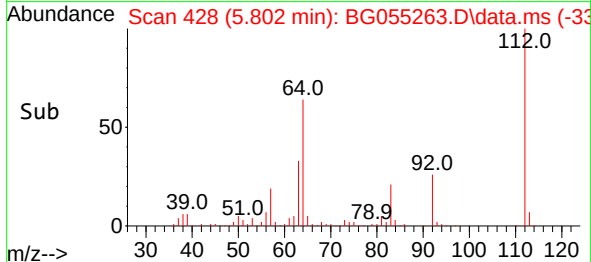
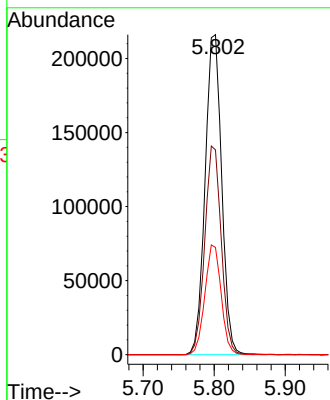
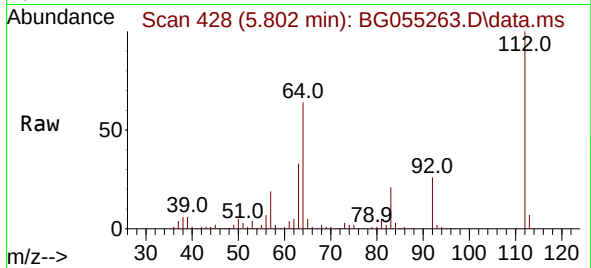
#5
2-Fluorophenol
Concen: 151.858 ng
RT: 5.802 min Scan# 41
Delta R.T. 0.011 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Instrument :
BNA_G
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SB-SOILPILE-1020MSD

Tgt Ion:112 Resp: 35128
Ion Ratio Lower Upper
112 100
64 64.0 52.6 78.8
63 33.5 27.1 40.7

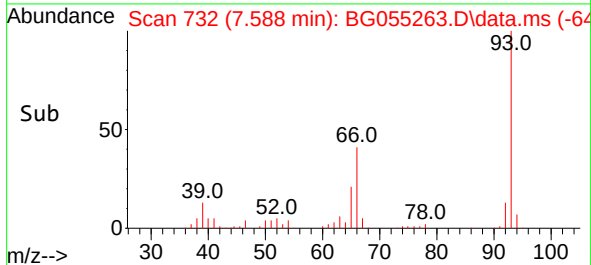
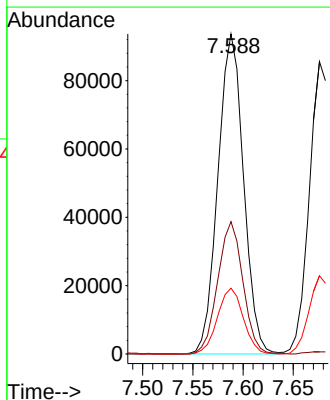
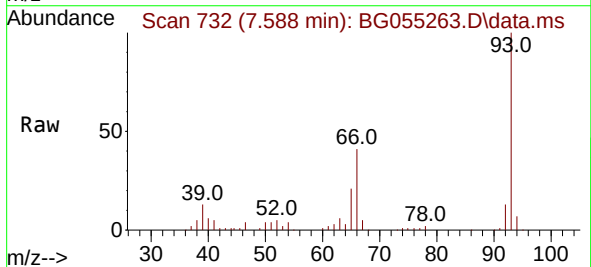
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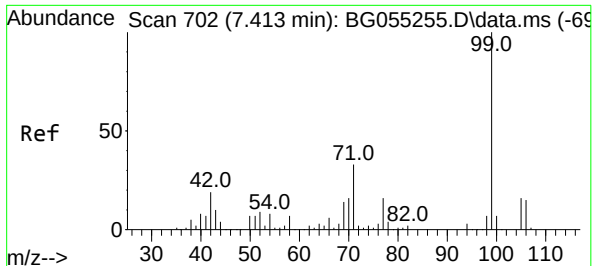
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#6
Aniline
Concen: 37.804 ng
RT: 7.588 min Scan# 732
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

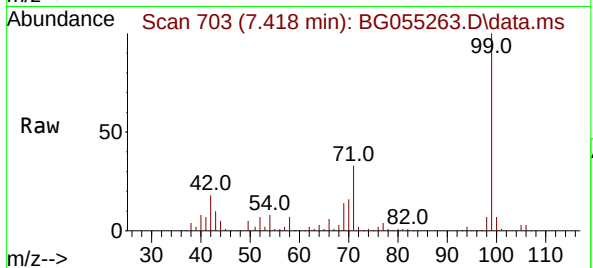
Tgt Ion: 93 Resp: 165856
Ion Ratio Lower Upper
93 100
66 41.3 31.6 47.4
65 20.6 16.0 24.0





#7
Phenol-d6
Concen: 135.211 ng
RT: 7.418 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

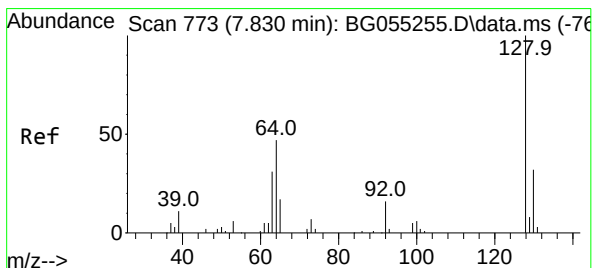
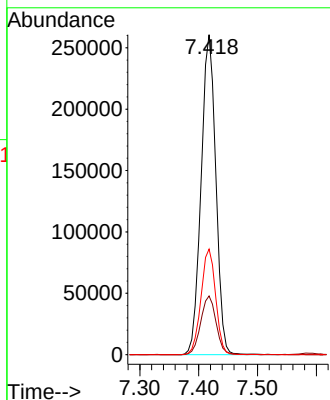
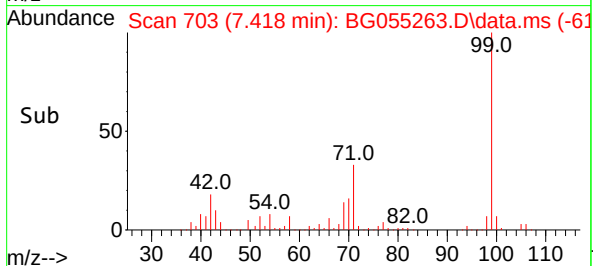
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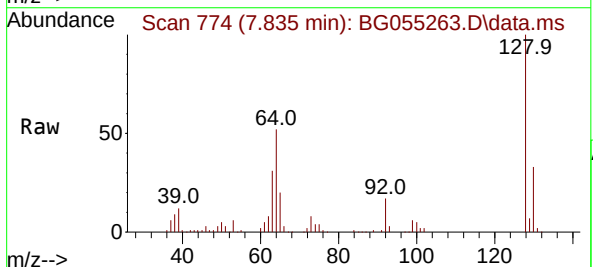
Tgt Ion: 99 Resp: 453138
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 33.0 26.2 39.4

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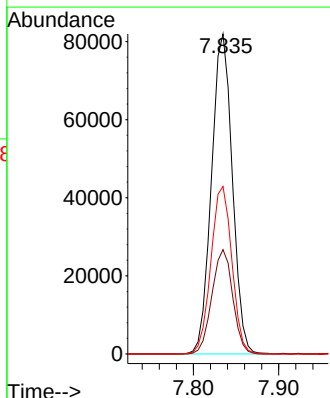
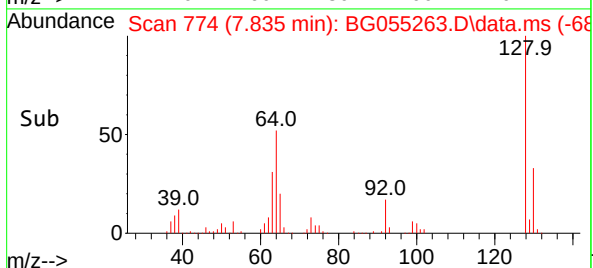
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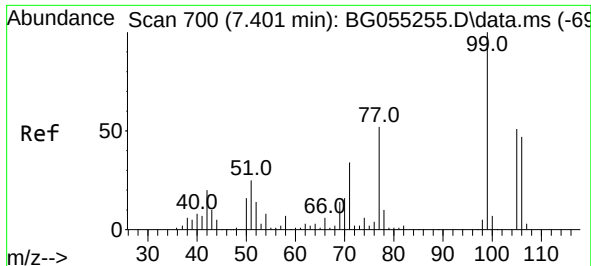


#8
2-Chlorophenol
Concen: 51.736 ng
RT: 7.835 min Scan# 774
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



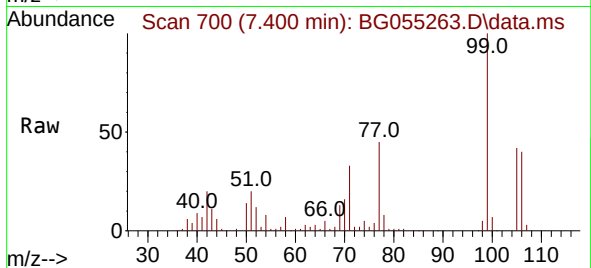
Tgt Ion:128 Resp: 139135
Ion Ratio Lower Upper
128 100
130 32.6 12.4 52.4
64 52.4 33.2 73.2





#9
Benzaldehyde
Concen: 31.175 ng
RT: 7.400 min Scan# 700
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

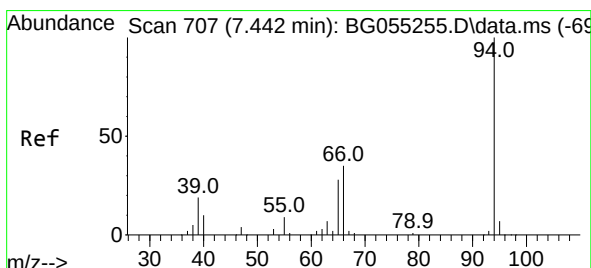
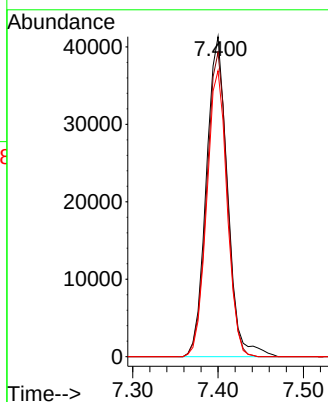
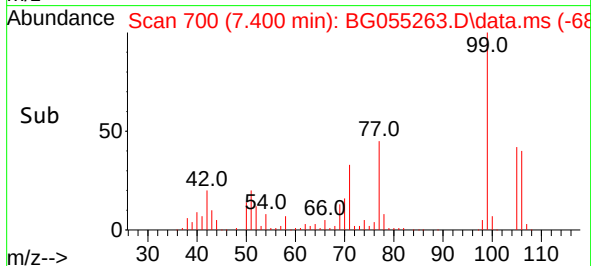
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion: 77 Resp: 71335
Ion Ratio Lower Upper
77 100
105 95.0 77.9 117.9
106 89.4 69.9 109.9

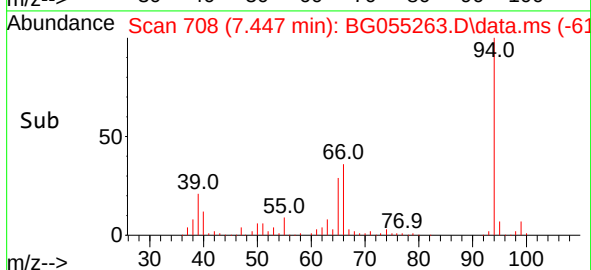
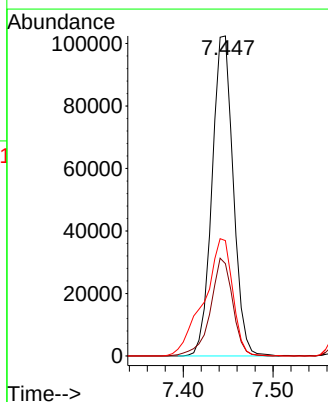
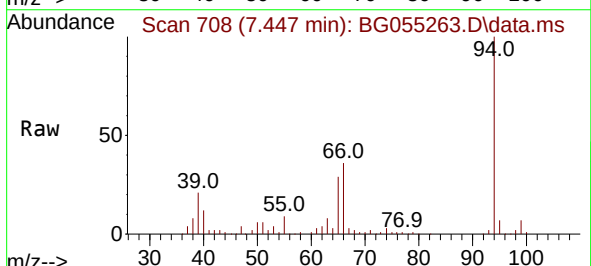
Manual Integrations
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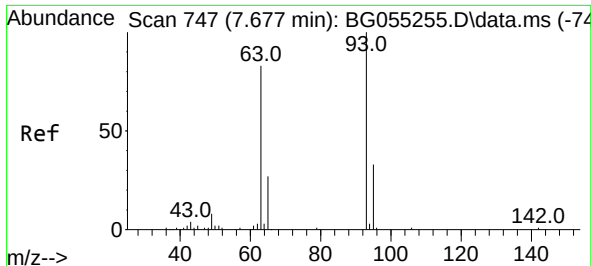
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#10
Phenol
Concen: 44.726 ng
RT: 7.447 min Scan# 708
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

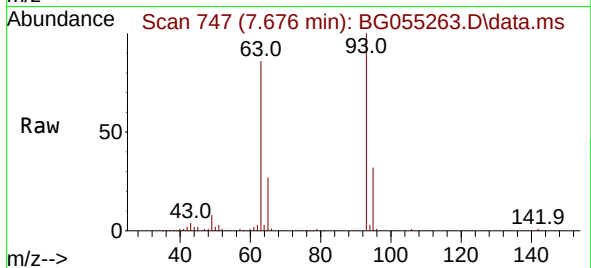
Tgt Ion: 94 Resp: 167897
Ion Ratio Lower Upper
94 100
65 28.9 8.4 48.4
66 36.1 16.3 56.3





#11
bis(2-Chloroethyl)ether
Concen: 48.472 ng
RT: 7.676 min Scan# 74
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

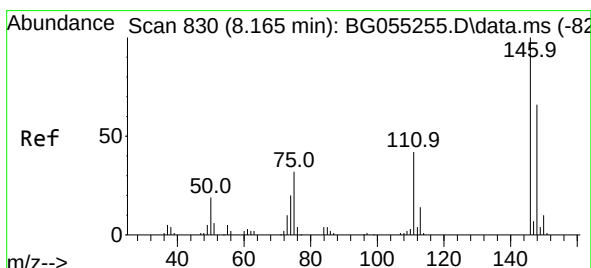
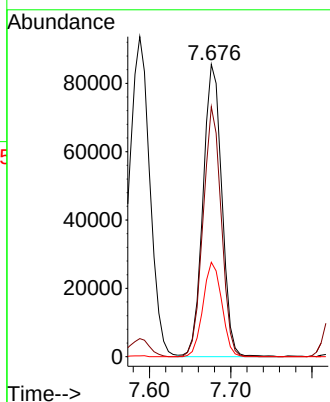
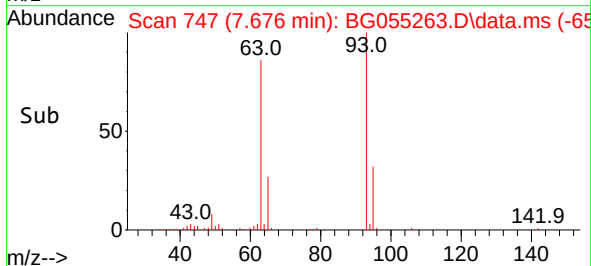
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion: 93 Resp: 13735
Ion Ratio Lower Upper
93 100
63 85.5 62.0 102.0
95 32.3 12.4 52.4

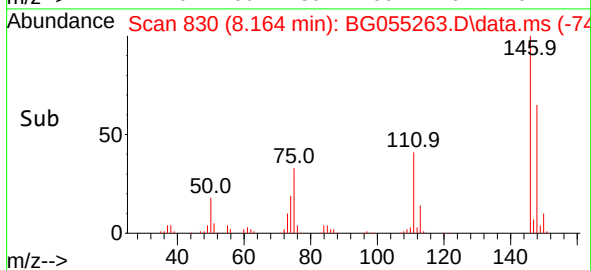
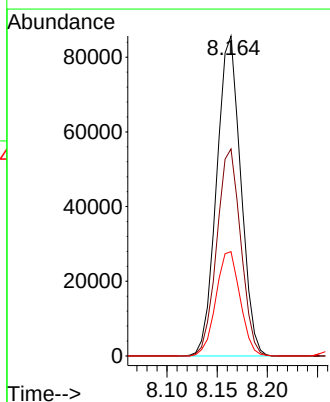
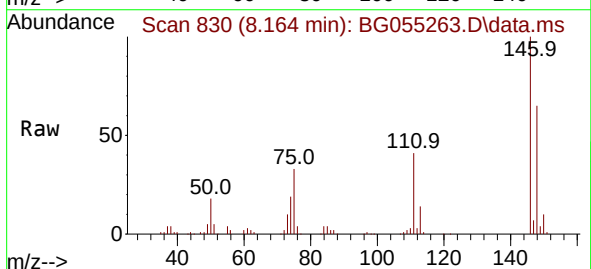
Manual Integrations
APPROVED

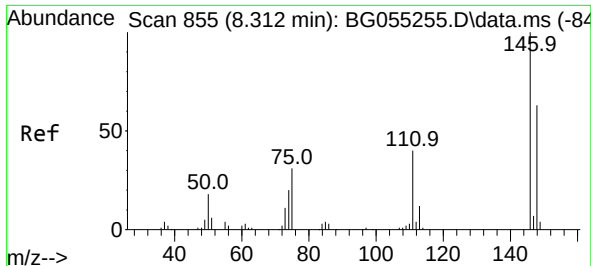
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#12
1,3-Dichlorobenzene
Concen: 48.659 ng
RT: 8.164 min Scan# 830
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

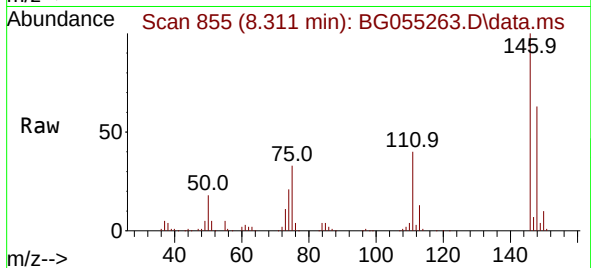
Tgt Ion:146 Resp: 142781
Ion Ratio Lower Upper
146 100
148 64.7 52.9 79.3
75 32.6 25.8 38.6





#13
1,4-Dichlorobenzene
Concen: 48.081 ng
RT: 8.311 min Scan# 811
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

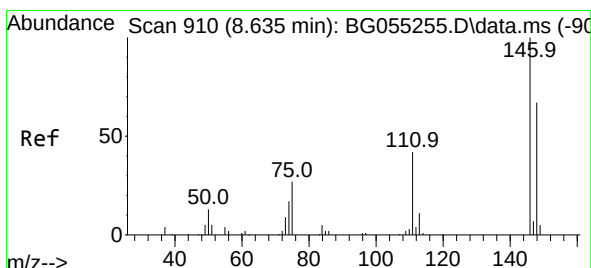
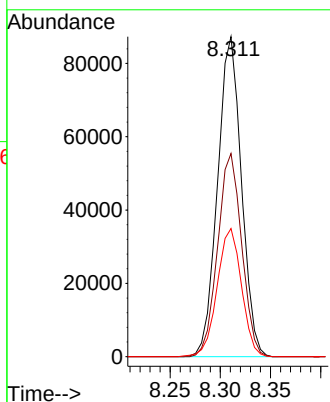
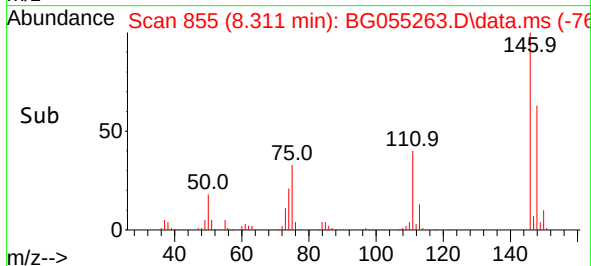
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



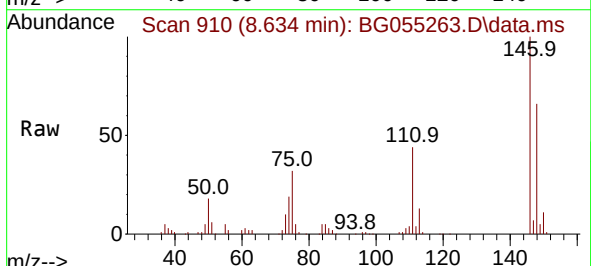
Tgt Ion:146 Resp: 14410
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 40.0 32.4 48.6

Manual Integrations
APPROVED

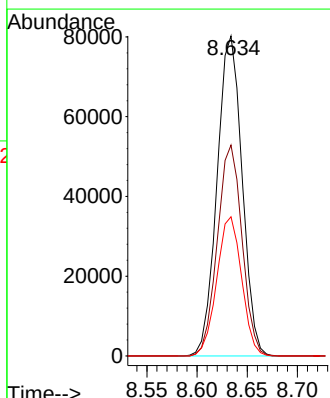
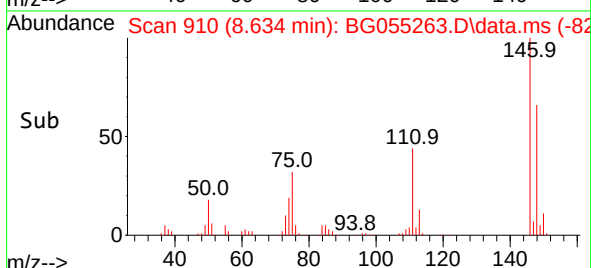
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

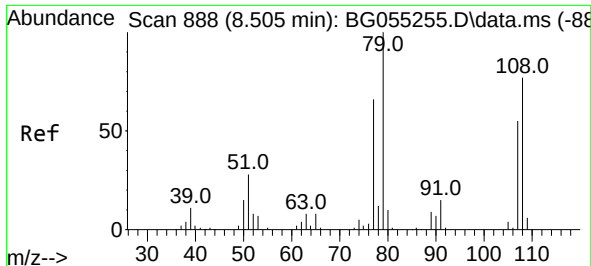


#14
1,2-Dichlorobenzene
Concen: 48.171 ng
RT: 8.634 min Scan# 910
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



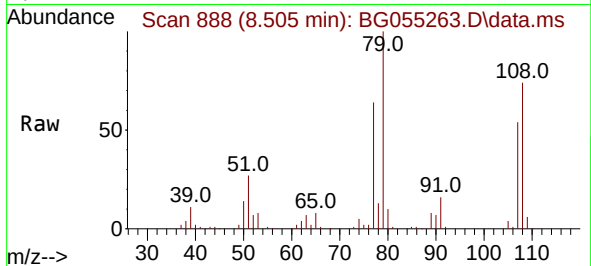
Tgt Ion:146 Resp: 139006
Ion Ratio Lower Upper
146 100
148 65.9 53.4 80.0
111 43.5 34.0 51.0





#15
Benzyl Alcohol
Concen: 51.220 ng
RT: 8.505 min Scan# 888
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

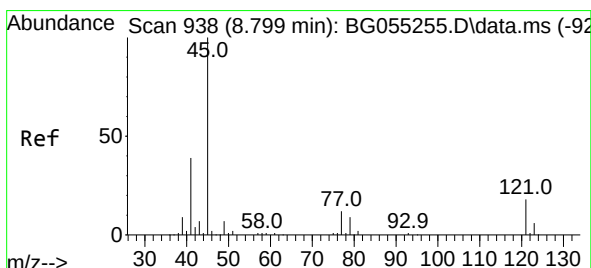
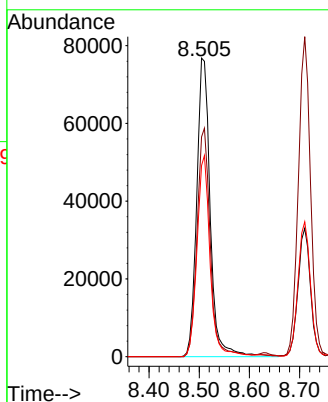
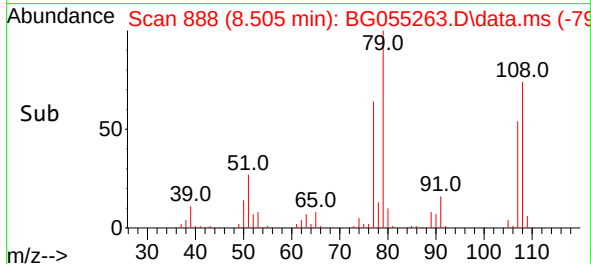
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



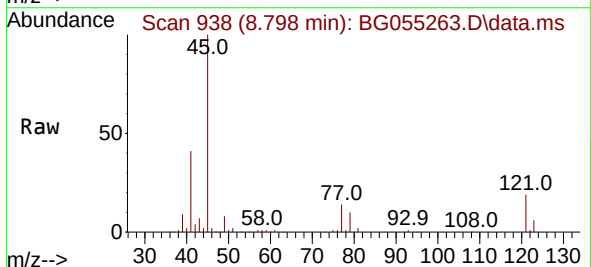
Tgt Ion: 79 Resp: 143648
Ion Ratio Lower Upper
79 100
108 73.7 61.3 91.9
77 64.1 52.7 79.1

Manual Integrations
APPROVED

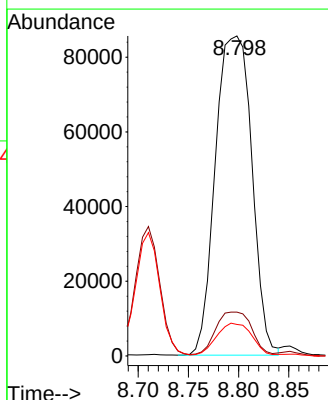
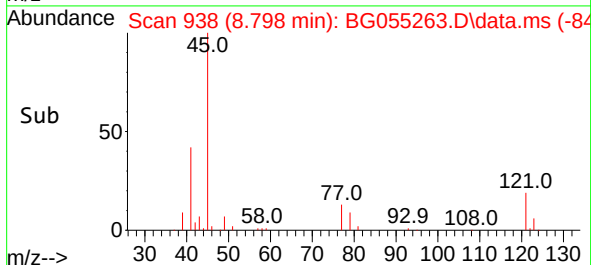
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

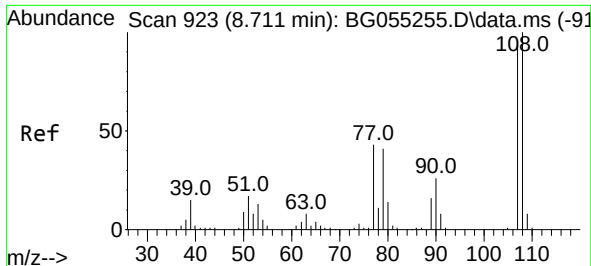


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.535 ng
RT: 8.798 min Scan# 938
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



Tgt Ion: 45 Resp: 215802
Ion Ratio Lower Upper
45 100
77 13.7 0.0 32.9
79 9.9 0.0 29.6





#17

2-Methylphenol

Concen: 48.295 ng

RT: 8.710 min Scan# 91

Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

Instrument :

BNA_G

ClientSampleId :

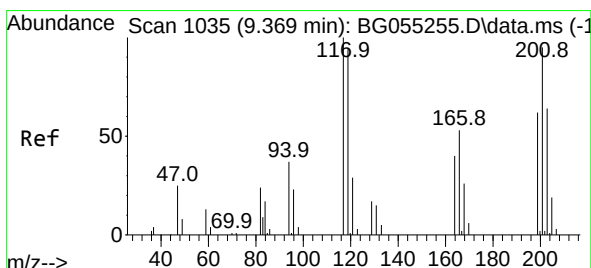
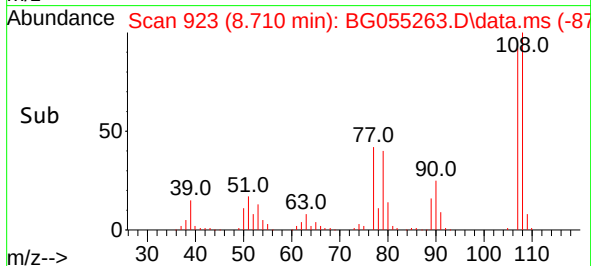
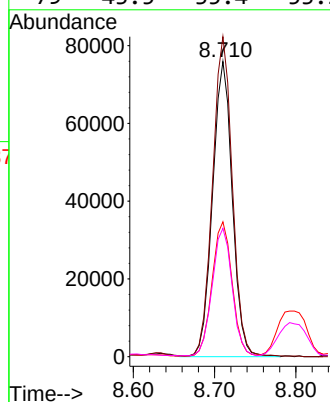
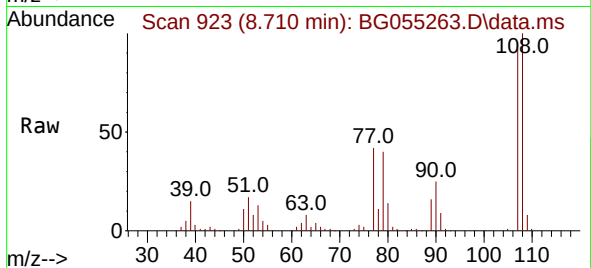
SB-SOILPILE-1020MSD

Tgt Ion:	107	Resp:	12821
Ion Ratio	Lower	Upper	
107	100		
108	108.4	86.0	129.0
77	45.7	37.4	56.0
79	43.5	35.4	53.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#18

Hexachloroethane

Concen: 47.959 ng

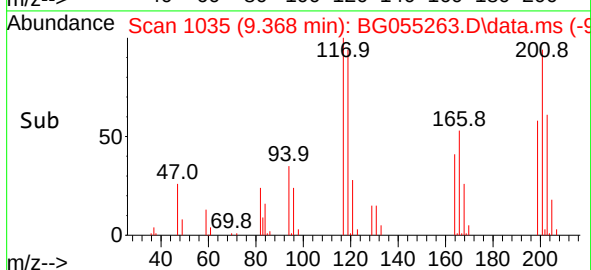
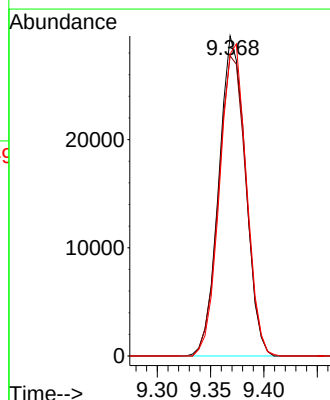
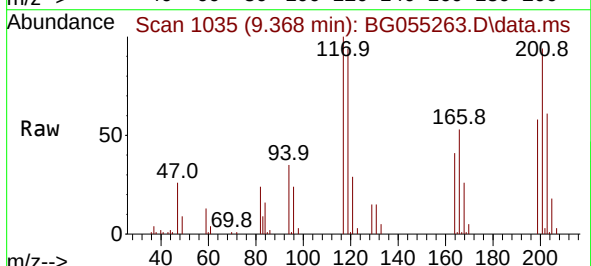
RT: 9.368 min Scan# 1035

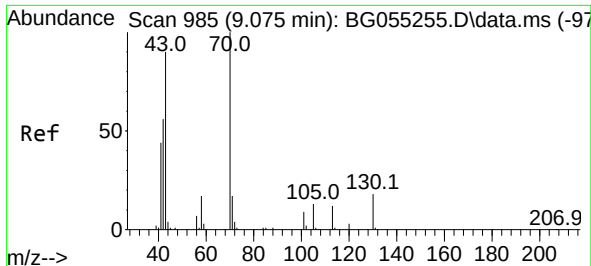
Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

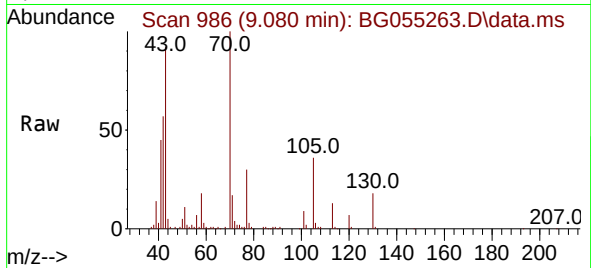
Tgt Ion:	117	Resp:	51184
Ion Ratio	Lower	Upper	
117	100		
119	93.8	75.4	113.2
201	94.4	75.8	113.8





#19
n-Nitroso-di-n-propylamine
Concen: 45.195 ng
RT: 9.080 min Scan# 985
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

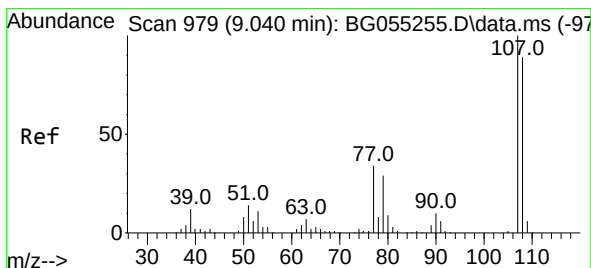
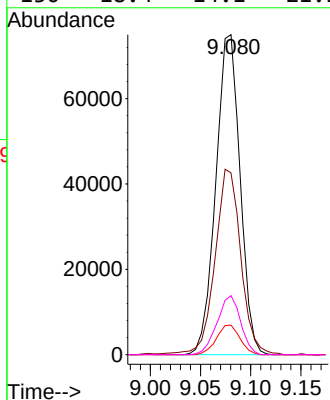
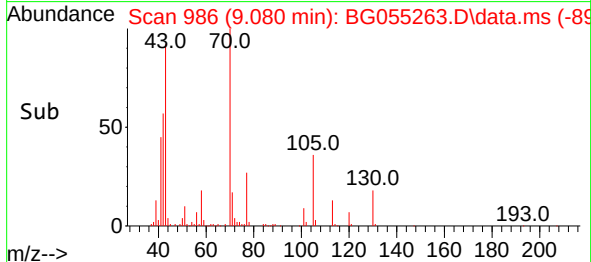
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion: 70 Resp: 125778
Ion Ratio Lower Upper
70 100
42 56.8 45.8 68.6
101 9.3 7.4 11.0
130 18.4 14.1 21.1

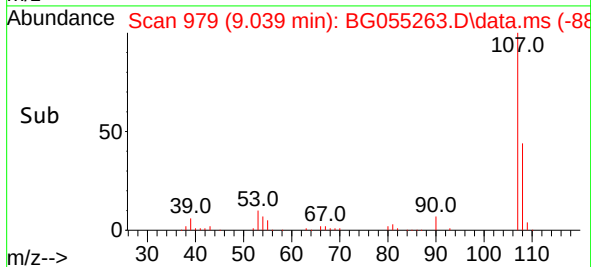
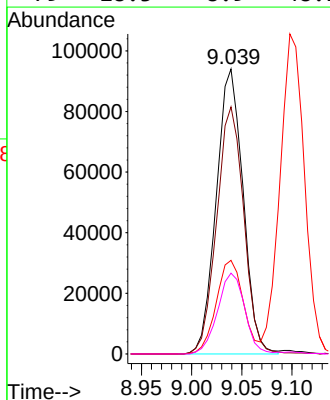
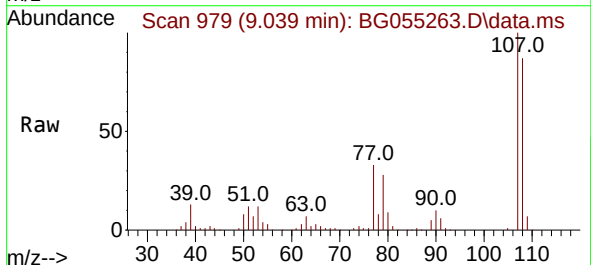
Manual Integrations
APPROVED

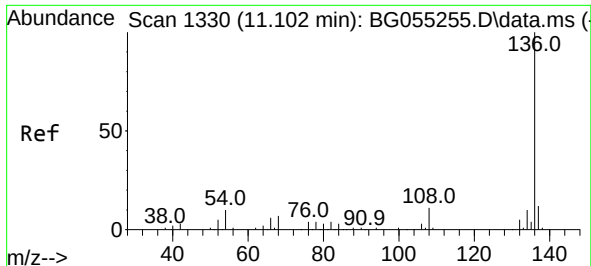
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#20
3+4-Methylphenols
Concen: 45.869 ng
RT: 9.039 min Scan# 979
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

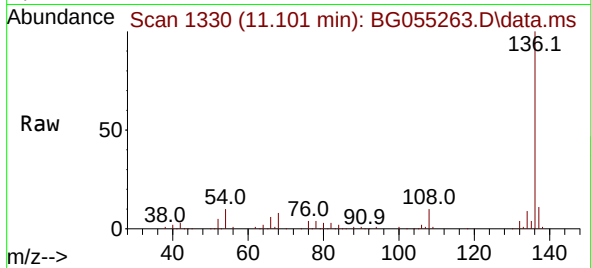
Tgt Ion:107 Resp: 174409
Ion Ratio Lower Upper
107 100
108 86.7 68.5 108.5
77 32.9 14.0 54.0
79 28.3 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.101 min Scan# 1330
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

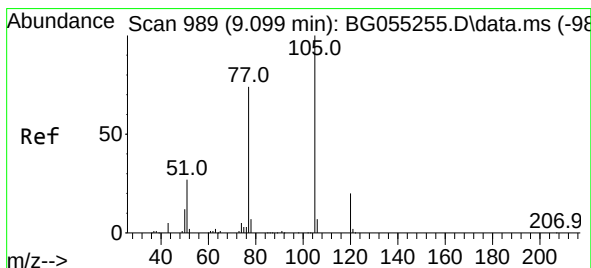
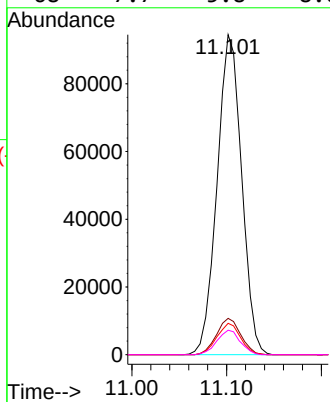
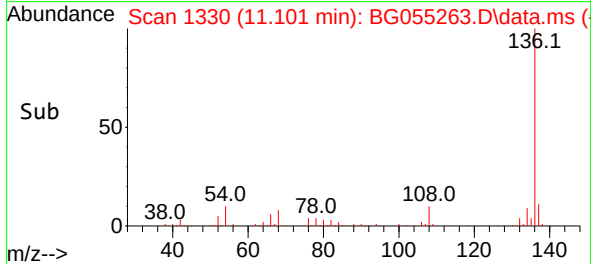
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:136 Resp: 170133
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 9.8 7.8 11.8
68 7.7 5.8 8.6

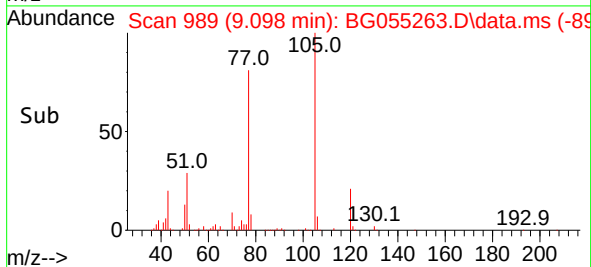
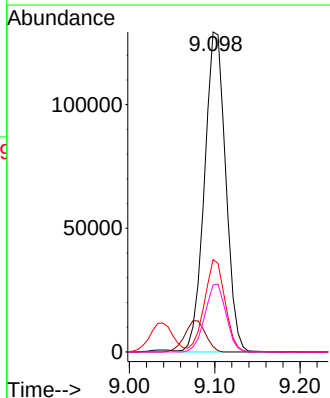
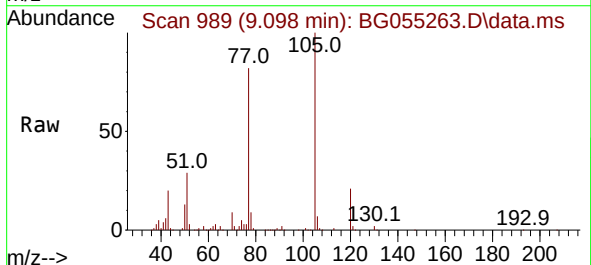
Manual Integrations
APPROVED

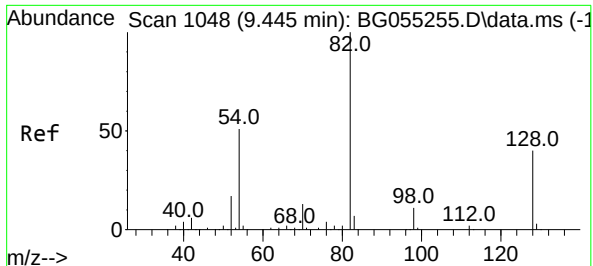
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#22
Acetophenone
Concen: 51.485 ng
RT: 9.098 min Scan# 989
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

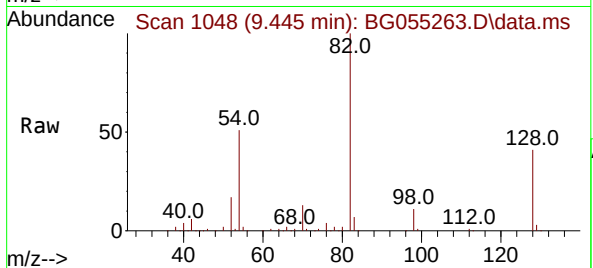
Tgt Ion:105 Resp: 223939
Ion Ratio Lower Upper
105 100
71 1.7 0.8 1.2#
51 28.9 22.9 34.3
120 20.9 16.2 24.4





#23
Nitrobenzene-d5
Concen: 97.699 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

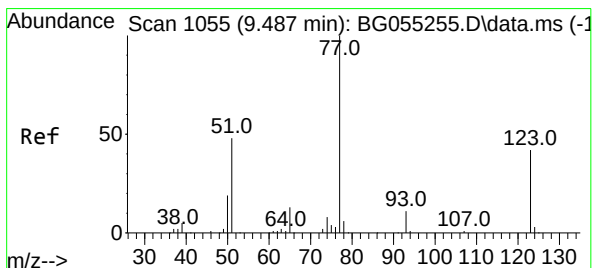
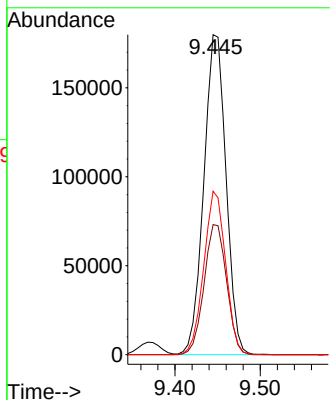
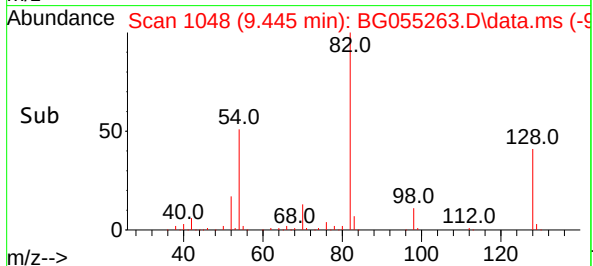
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



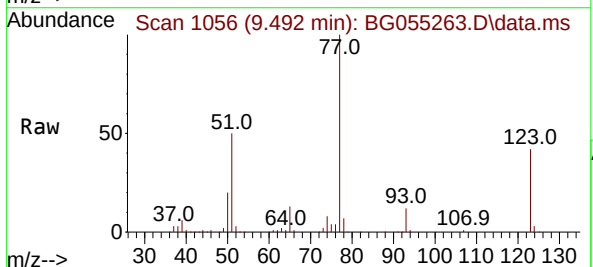
Tgt Ion: 82 Resp: 325514
Ion Ratio Lower Upper
82 100
128 40.6 32.0 48.0
54 51.1 40.9 61.3

Manual Integrations
APPROVED

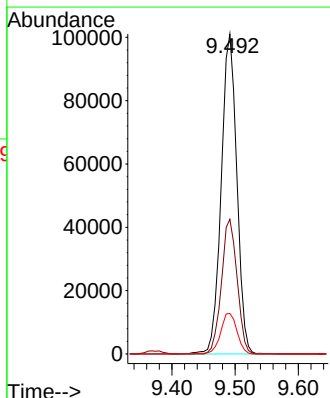
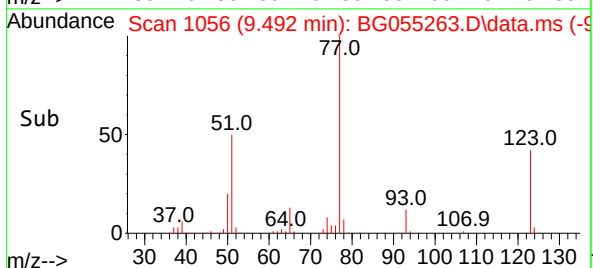
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

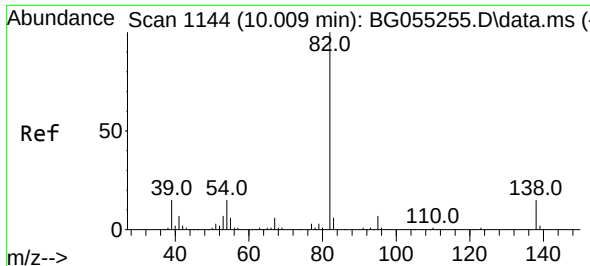


#24
Nitrobenzene
Concen: 49.962 ng
RT: 9.492 min Scan# 1056
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



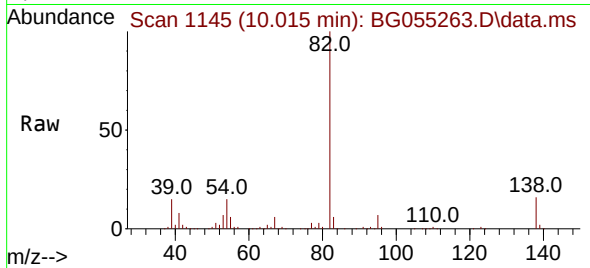
Tgt Ion: 77 Resp: 173328
Ion Ratio Lower Upper
77 100
123 42.1 33.6 50.4
65 12.7 10.2 15.4





#25
Isophorone
Concen: 51.730 ng
RT: 10.015 min Scan# 1145
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

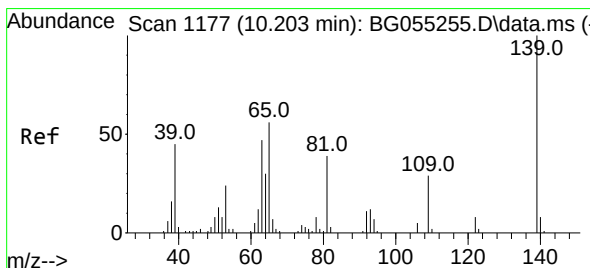
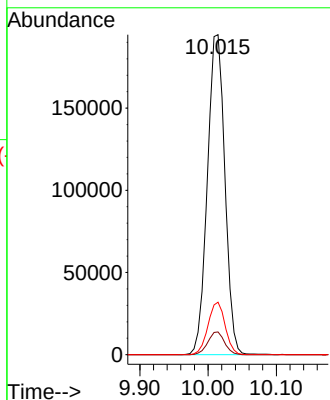
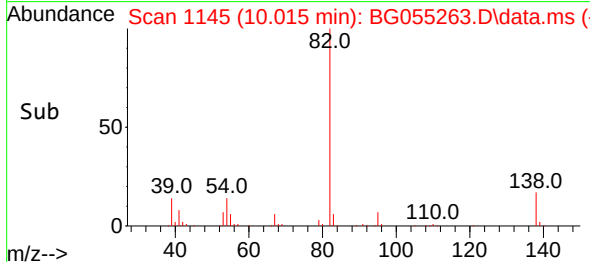
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion: 82 Resp: 348128
Ion Ratio Lower Upper
82 100
95 7.1 5.2 7.8
138 16.4 12.2 18.4

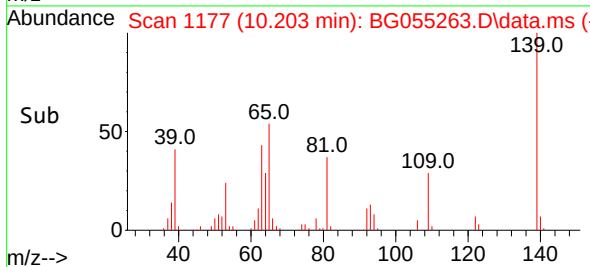
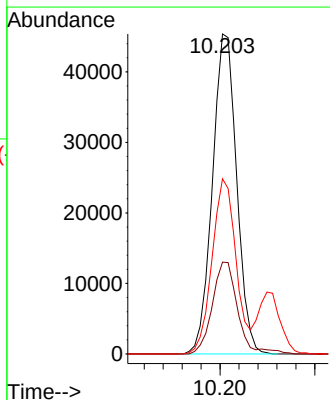
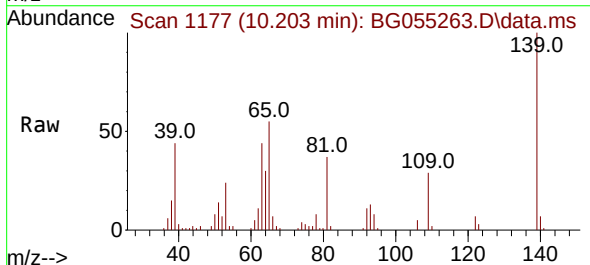
Manual Integrations
APPROVED

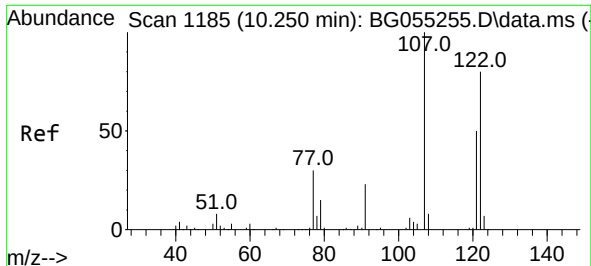
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#26
2-Nitrophenol
Concen: 53.009 ng
RT: 10.203 min Scan# 1177
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

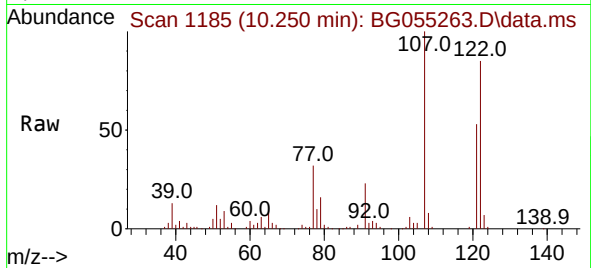
Tgt Ion:139 Resp: 80533
Ion Ratio Lower Upper
139 100
109 28.7 23.3 34.9
65 54.7 45.2 67.8





#27
2,4-Dimethylphenol
Concen: 62.057 ng m
RT: 10.250 min Scan# 1185
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

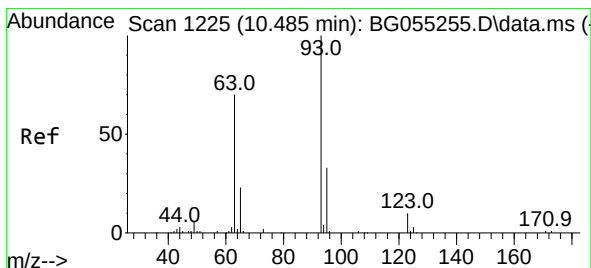
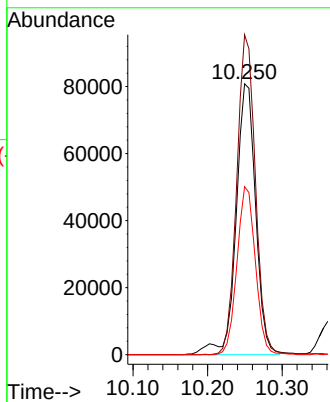
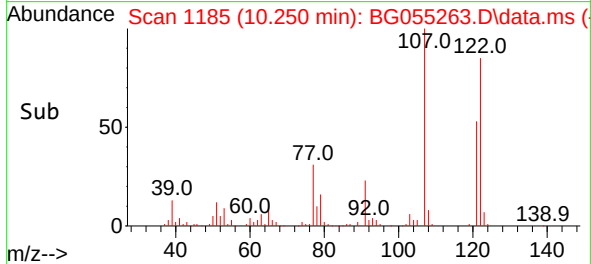
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:122 Resp: 147185
Ion Ratio Lower Upper
122 100
107 118.2 97.3 145.9
121 62.1 48.5 72.7

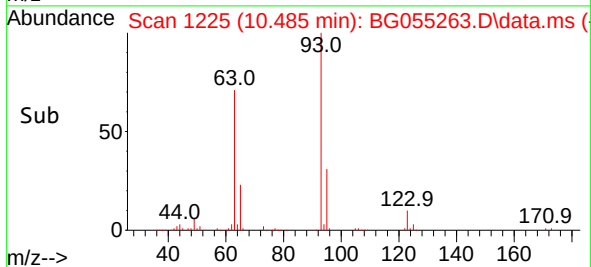
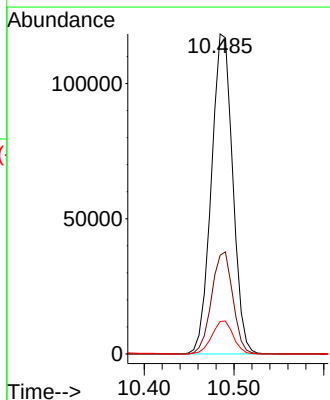
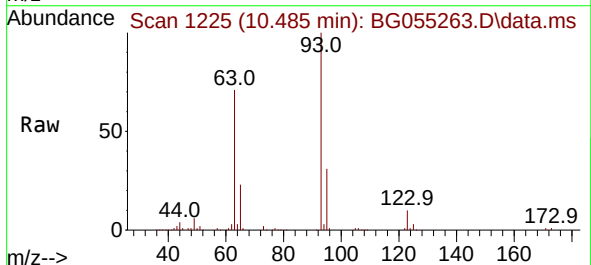
Manual Integrations
APPROVED

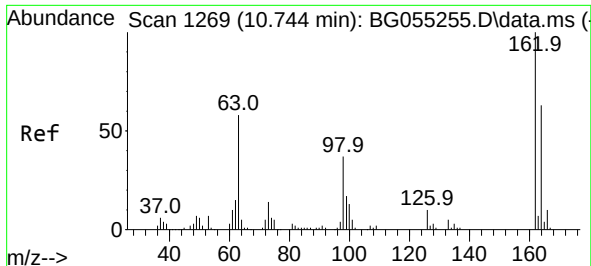
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#28
bis(2-Chloroethoxy)methane
Concen: 57.500 ng
RT: 10.485 min Scan# 1225
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Tgt Ion: 93 Resp: 195375
Ion Ratio Lower Upper
93 100
95 30.9 26.3 39.5
123 10.1 7.9 11.9





#29

2,4-Dichlorophenol

Concen: 54.890 ng

RT: 10.743 min Scan# 1269

Delta R.T. -0.001 min

Lab File: BG055263.D

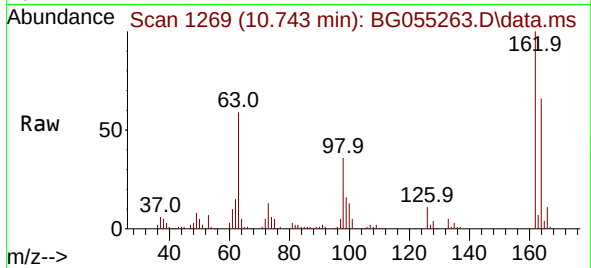
Acq: 24 Oct 2022 19:27

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020MSD



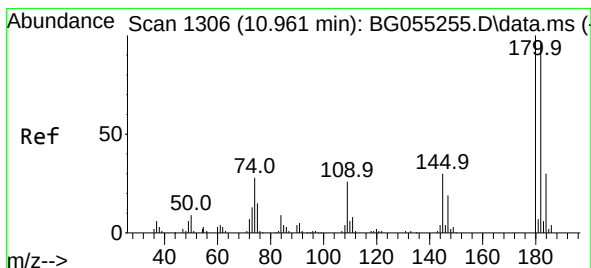
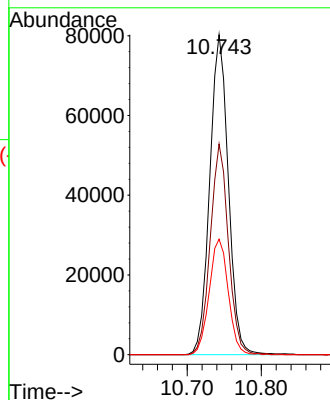
Tgt Ion:162 Resp: 139659

Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.9	82.9
98	36.1	17.3	57.3

Manual Integrations

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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#30

1,2,4-Trichlorobenzene

Concen: 48.637 ng

RT: 10.960 min Scan# 1306

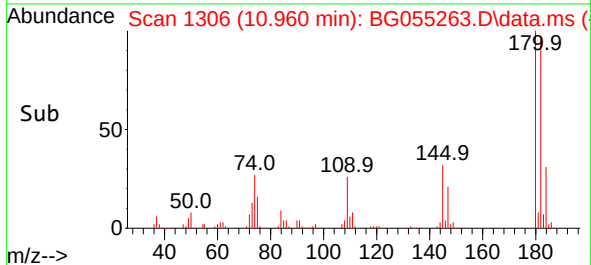
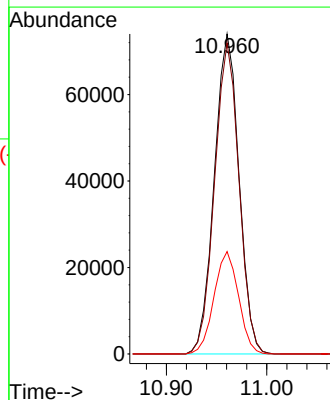
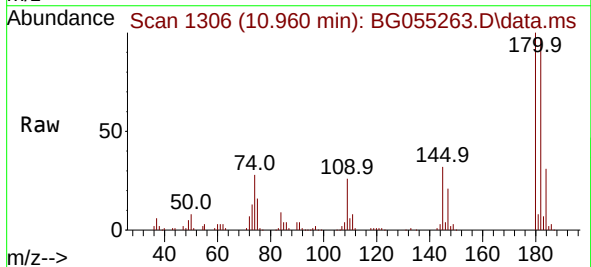
Delta R.T. -0.001 min

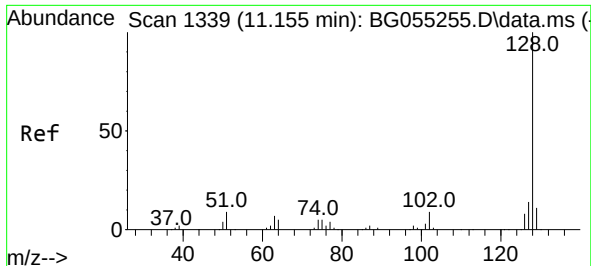
Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

Tgt Ion:180 Resp: 126301

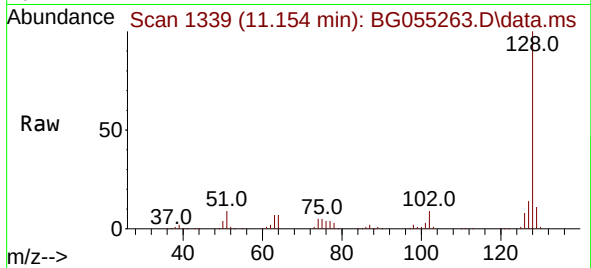
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.4	114.6
145	32.0	24.4	36.6





#31
Naphthalene
Concen: 48.124 ng
RT: 11.154 min Scan# 1115
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

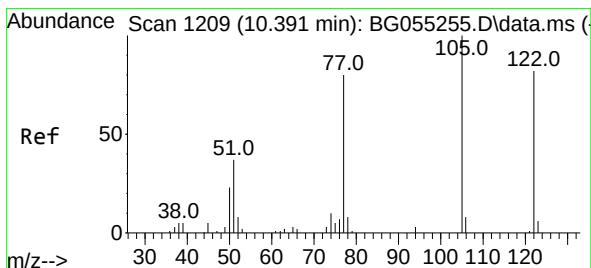
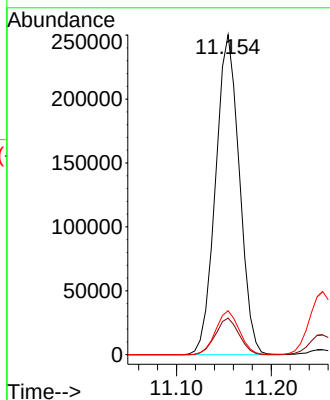
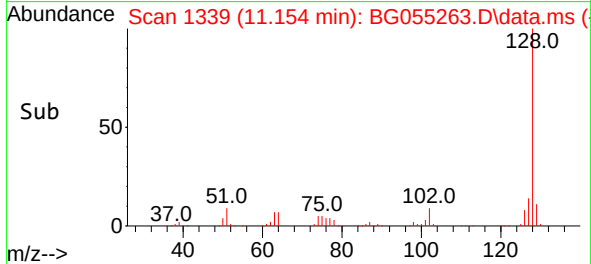
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



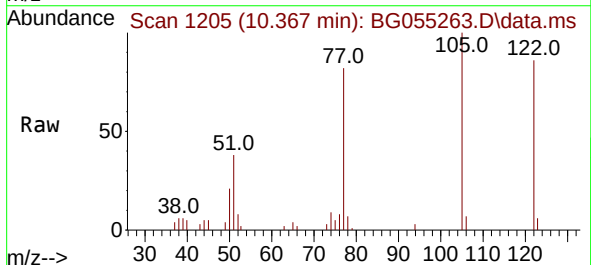
Tgt Ion:128 Resp: 436777
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.7 11.1 16.7

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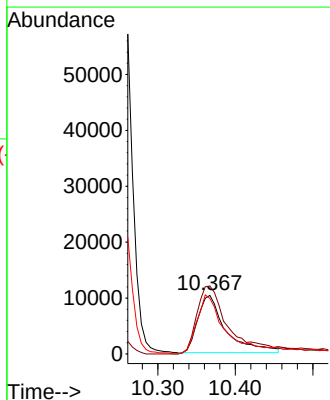
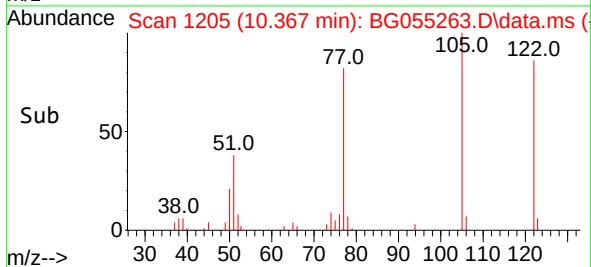
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

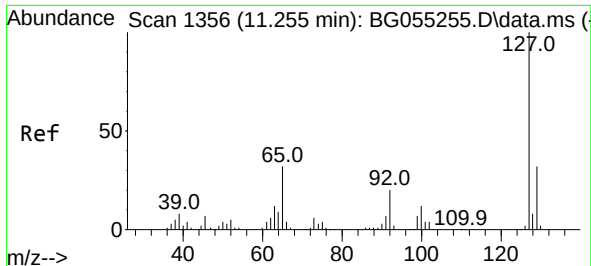


#32
Benzoic acid
Concen: 17.396 ng
RT: 10.367 min Scan# 1205
Delta R.T. -0.024 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



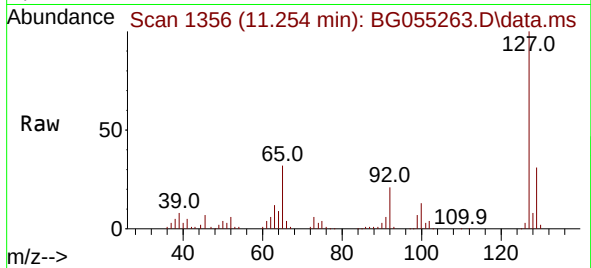
Tgt Ion:122 Resp: 25991
Ion Ratio Lower Upper
122 100
105 116.0 101.3 141.3
77 94.6 76.9 116.9





#33
4-Chloroaniline
Concen: 24.112 ng
RT: 11.254 min Scan# 1356
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

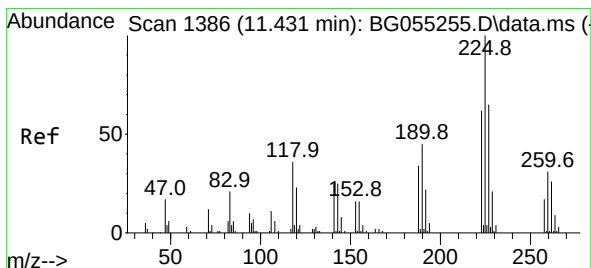
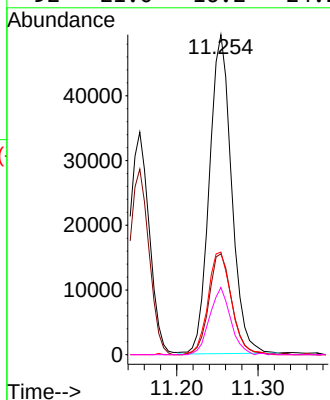
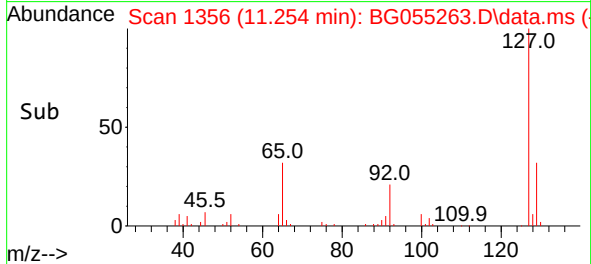
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.0
65	32.1	25.5	38.3
92	21.0	16.2	24.2

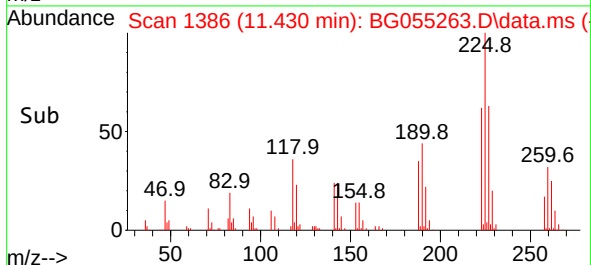
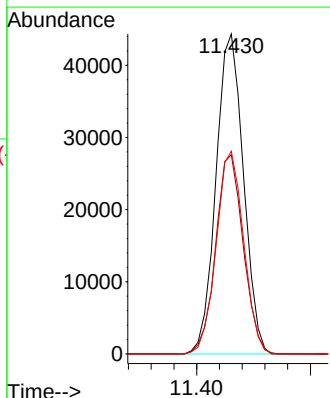
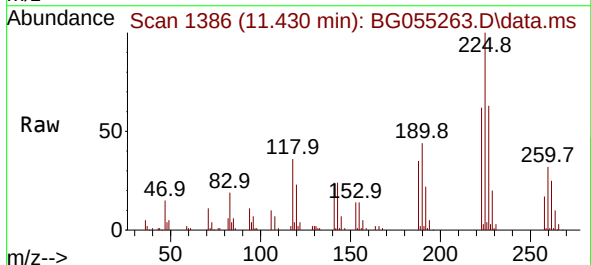
Manual Integrations
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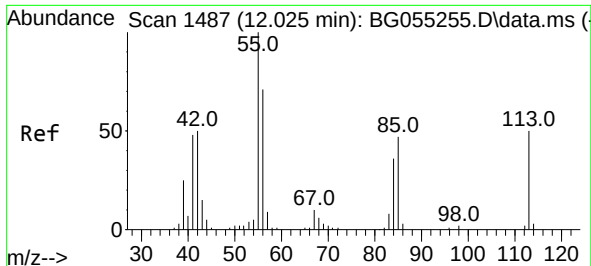
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#34
Hexachlorobutadiene
Concen: 50.053 ng
RT: 11.430 min Scan# 1386
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

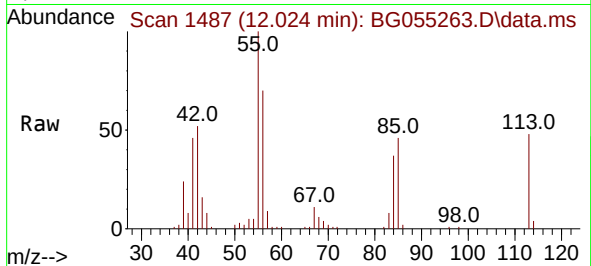
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.4	74.2
227	63.3	52.4	78.6





#35
Caprolactam
Concen: 41.601 ng m
RT: 12.024 min Scan# 1487
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

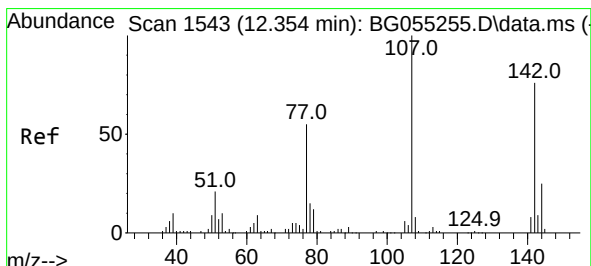
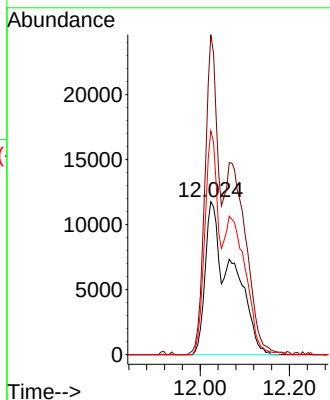
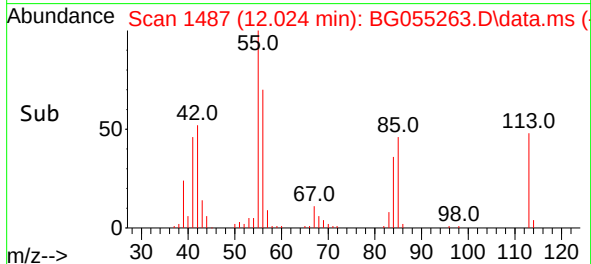
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



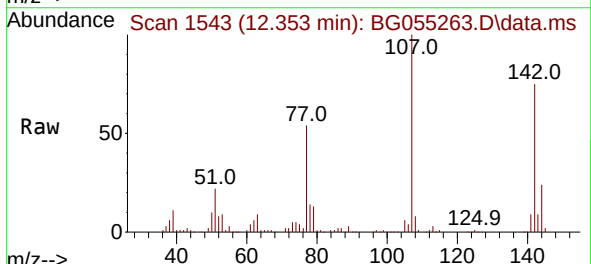
Tgt Ion:113 Resp: 49125
Ion Ratio Lower Upper
113 100
55 209.1 178.2 218.2
56 146.3 121.0 161.0

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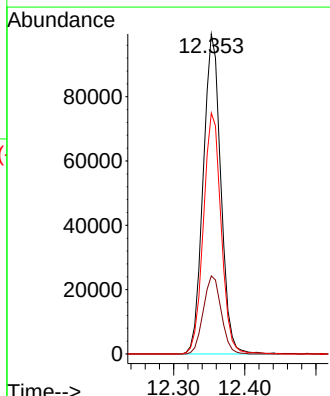
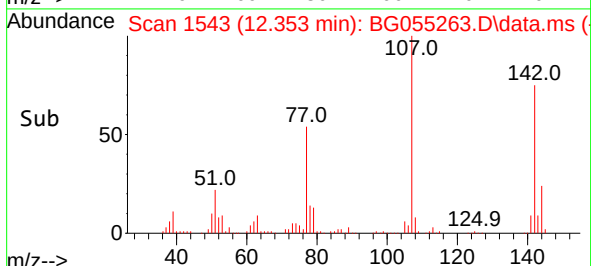
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

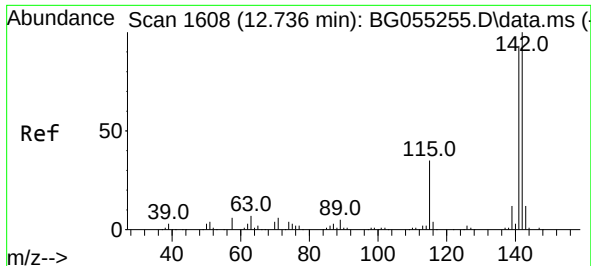


#36
4-Chloro-3-methylphenol
Concen: 53.616 ng
RT: 12.353 min Scan# 1543
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



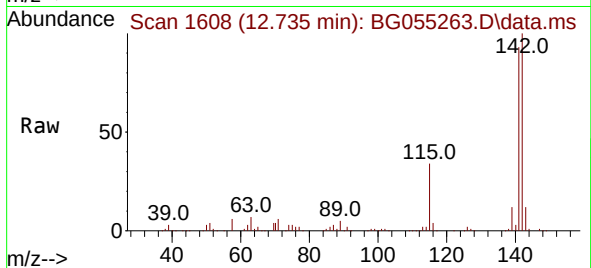
Tgt Ion:107 Resp: 171656
Ion Ratio Lower Upper
107 100
144 24.4 20.3 30.5
142 75.3 60.5 90.7





#37
2-Methylnaphthalene
Concen: 48.281 ng
RT: 12.735 min Scan# 1608
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

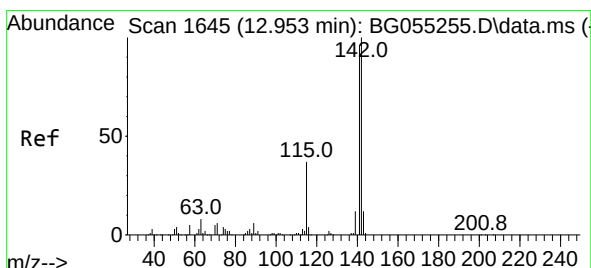
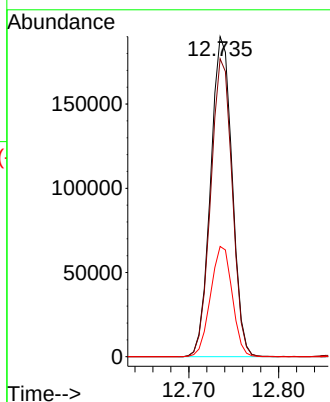
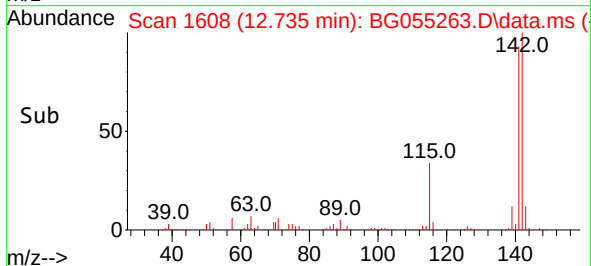
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



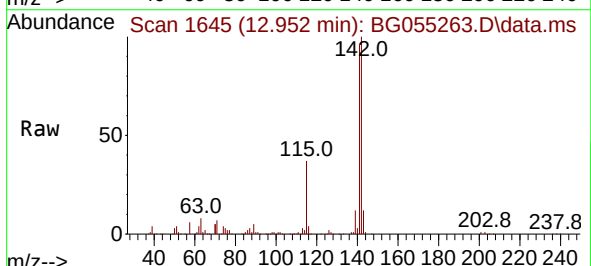
Tgt Ion:142 Resp: 315938
Ion Ratio Lower Upper
142 100
141 93.1 74.0 111.0
115 34.4 28.3 42.5

Manual Integrations
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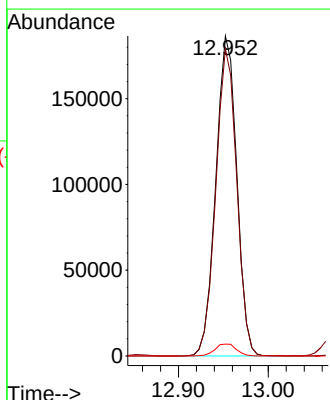
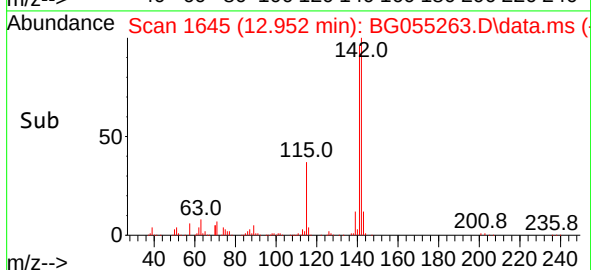
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

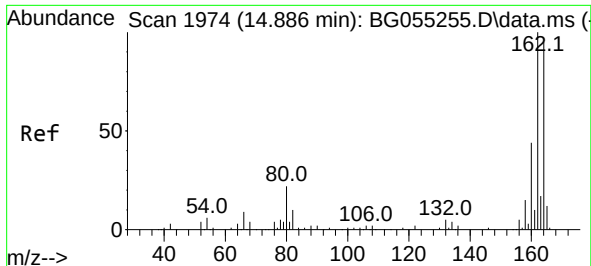


#38
1-Methylnaphthalene
Concen: 46.927 ng
RT: 12.952 min Scan# 1645
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



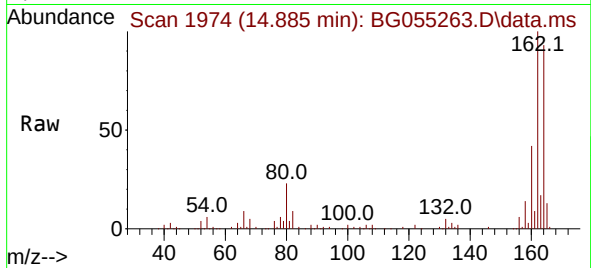
Tgt Ion:142 Resp: 302946
Ion Ratio Lower Upper
142 100
141 96.0 77.1 115.7
116 3.7 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.885 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

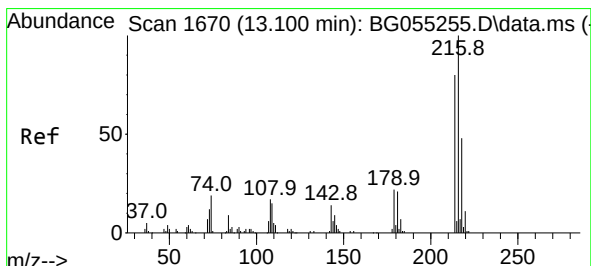
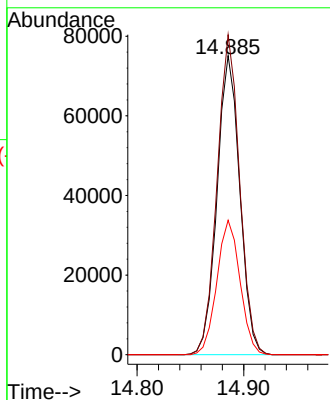
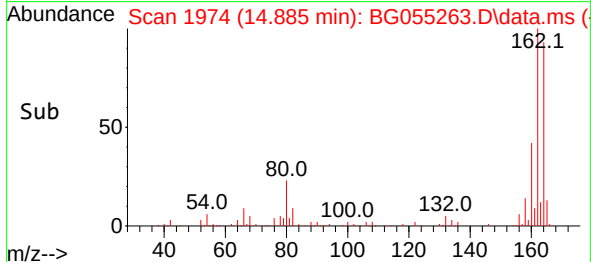
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:164 Resp: 111008
Ion Ratio Lower Upper
164 100
162 107.0 84.0 126.0
160 44.9 36.7 55.1

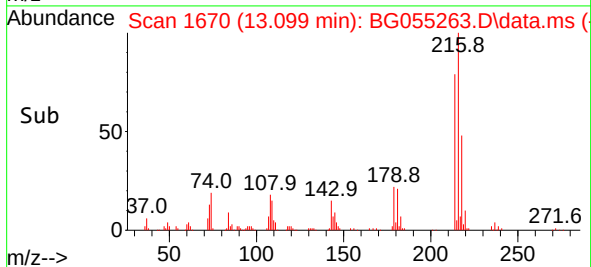
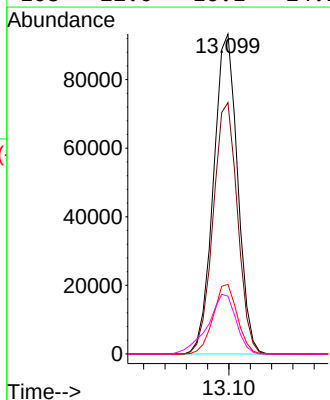
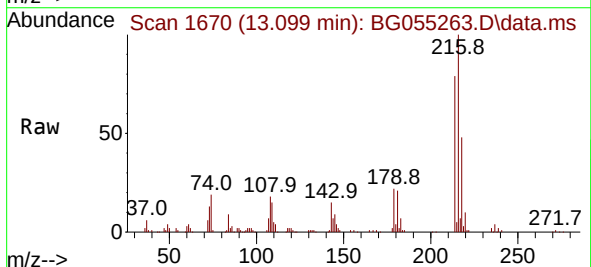
Manual Integrations
APPROVED

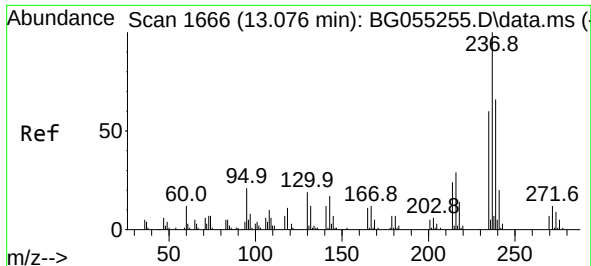
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.585 ng
RT: 13.099 min Scan# 1670
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

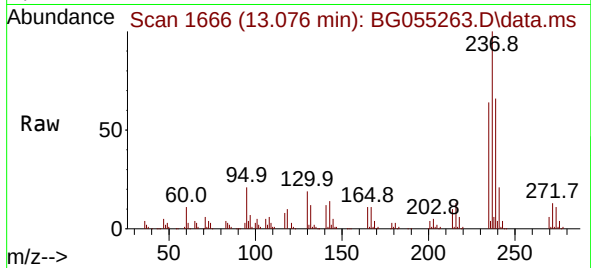
Tgt Ion:216 Resp: 146145
Ion Ratio Lower Upper
216 100
214 79.4 63.4 95.2
179 21.8 17.2 25.8
108 22.0 16.1 24.1





#41
Hexachlorocyclopentadiene
Concen: 116.761 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

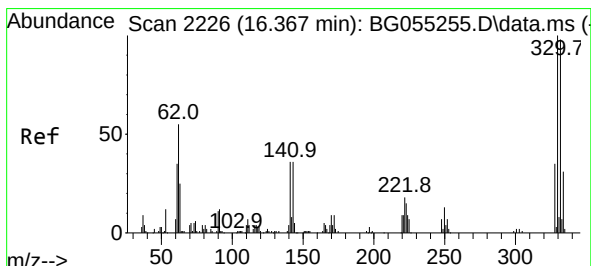
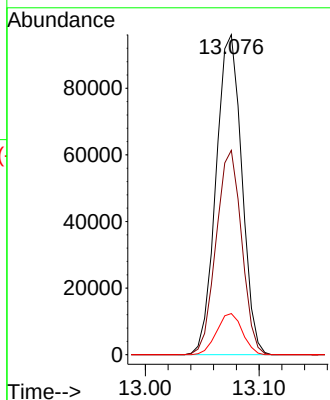
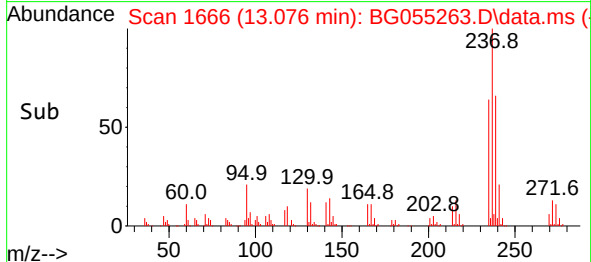
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



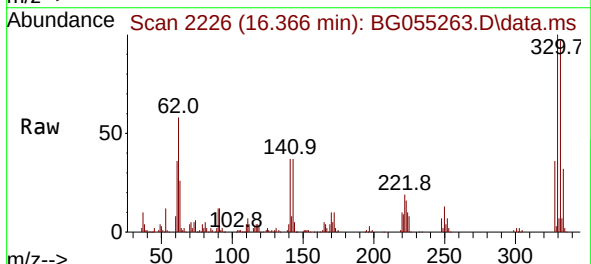
Tgt Ion:237 Resp: 15140
Ion Ratio Lower Upper
237 100
235 63.9 40.4 80.4
272 12.9 0.0 31.7

Manual Integrations
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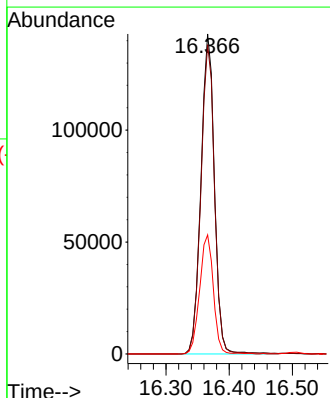
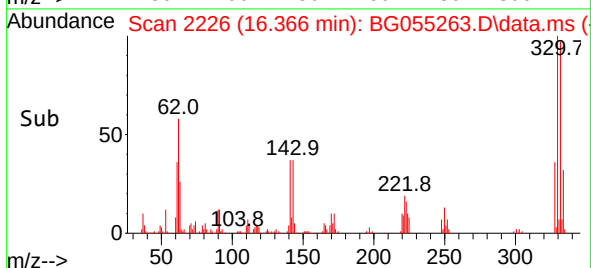
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

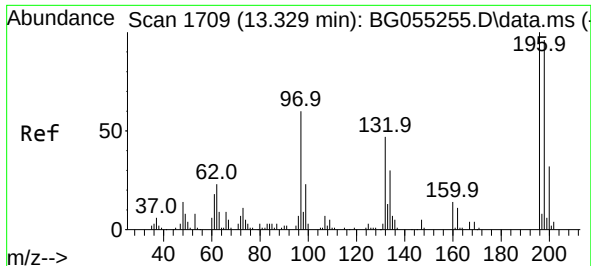


#42
2,4,6-Tribromophenol
Concen: 176.254 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



Tgt Ion:330 Resp: 212695
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 37.8 29.8 44.8





#43

2,4,6-Trichlorophenol

Concen: 57.003 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG055263.D

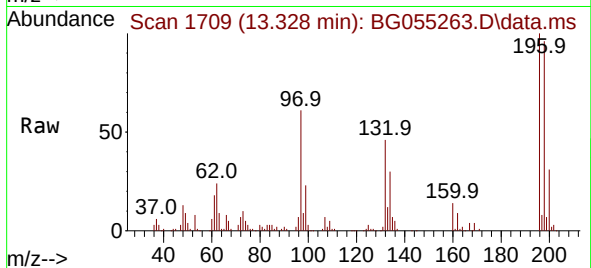
Acq: 24 Oct 2022 19:27

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020MSD

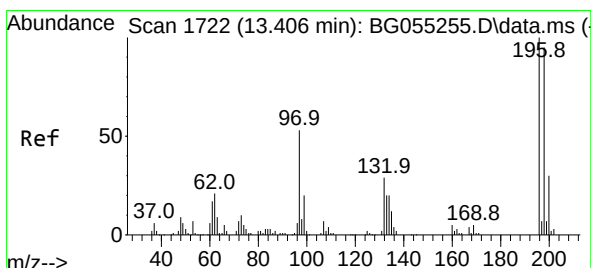
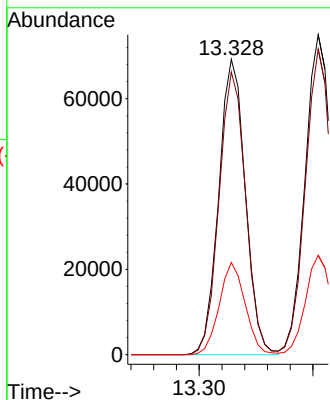
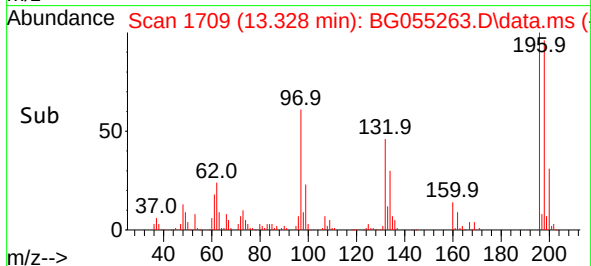


Tgt Ion:	196	Resp:	11272
Ion Ratio	Lower	Upper	
196	100		
198	95.7	76.5	114.7
200	31.2	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#44

2,4,5-Trichlorophenol

Concen: 56.981 ng

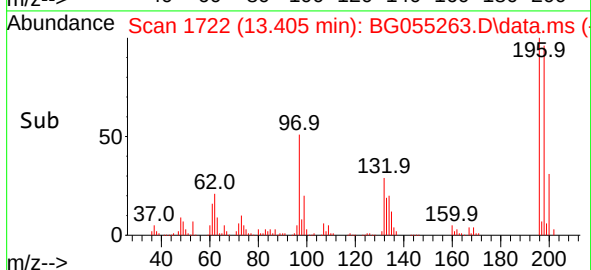
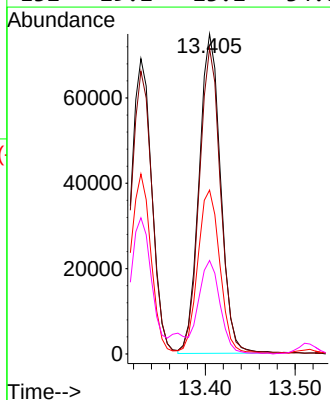
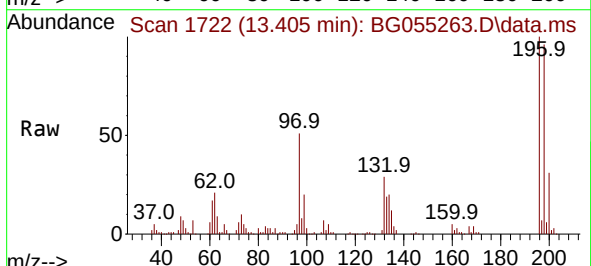
RT: 13.405 min Scan# 1722

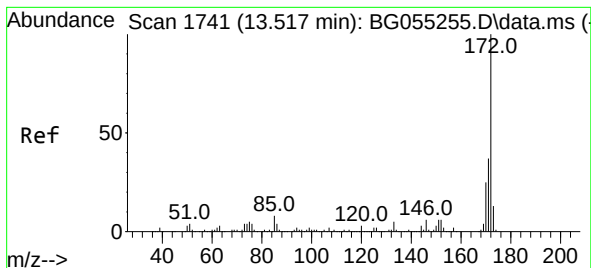
Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

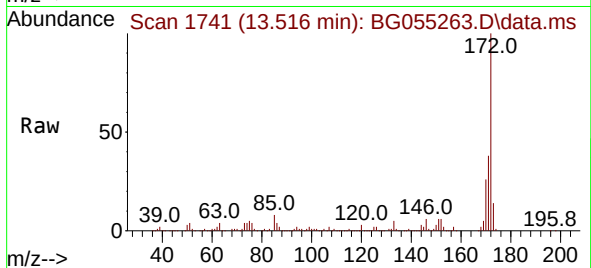
Tgt Ion:	196	Resp:	124630
Ion Ratio	Lower	Upper	
196	100		
198	95.6	76.2	114.2
97	51.2	42.3	63.5
132	29.2	23.2	34.8





#45
2-Fluorobiphenyl
Concen: 100.122 ng
RT: 13.516 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

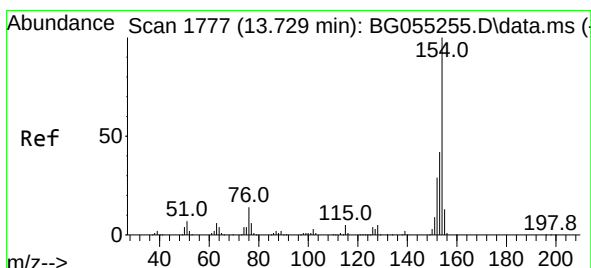
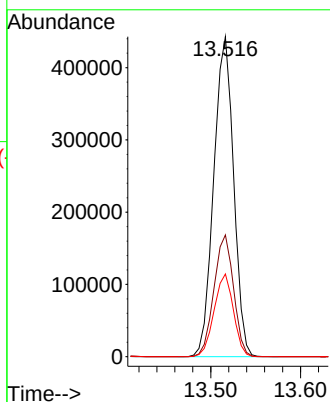
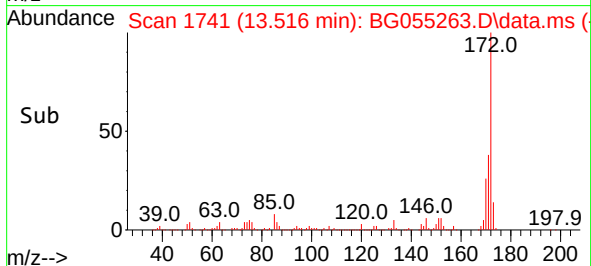
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



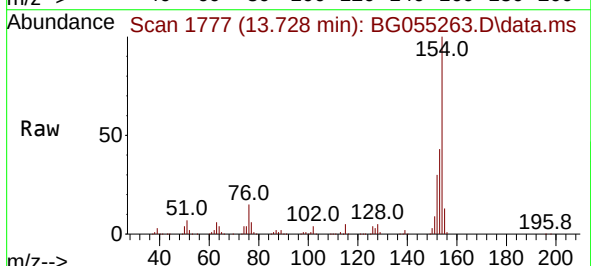
Tgt Ion:172 Resp: 679049
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.9 20.2 30.2

Manual Integrations
APPROVED

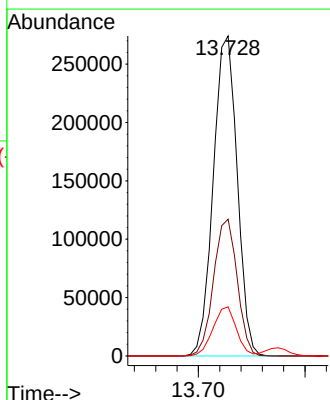
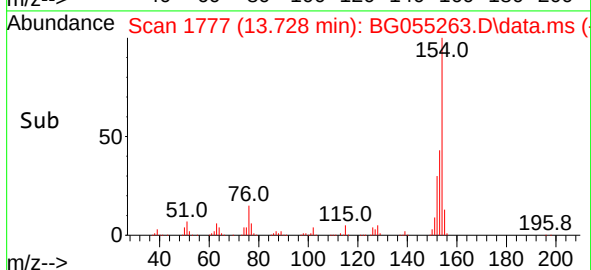
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

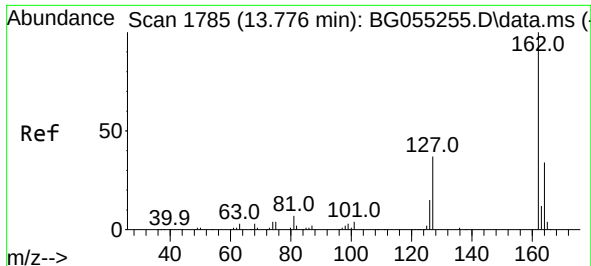


#46
1,1'-Biphenyl
Concen: 56.001 ng
RT: 13.728 min Scan# 1777
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



Tgt Ion:154 Resp: 426371
Ion Ratio Lower Upper
154 100
153 42.7 21.5 61.5
76 15.4 0.0 34.2





#47

2-Chloronaphthalene

Concen: 52.558 ng

RT: 13.775 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020MSD

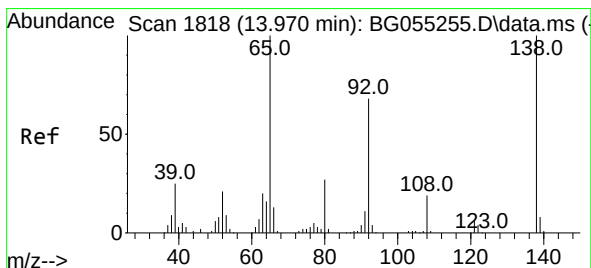
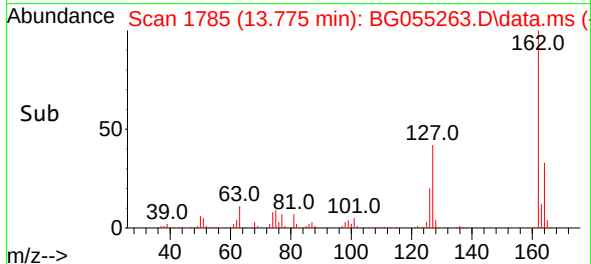
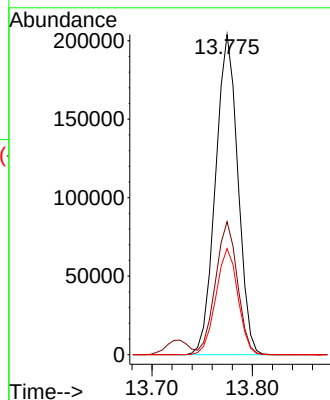
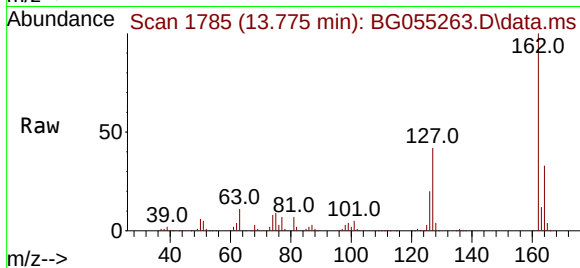
Tgt Ion:162 Resp: 315549

Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.0	49.6
164	33.1	27.0	40.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#48

2-Nitroaniline

Concen: 55.155 ng

RT: 13.969 min Scan# 1818

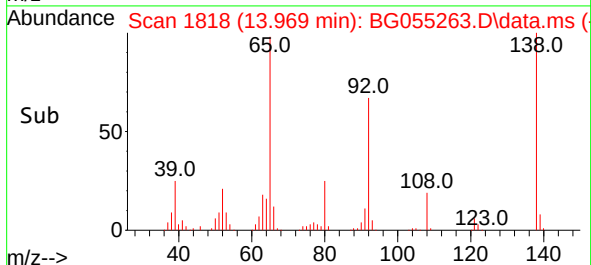
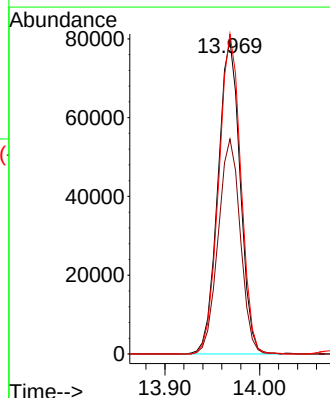
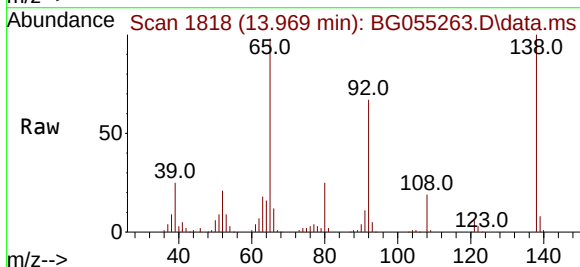
Delta R.T. -0.001 min

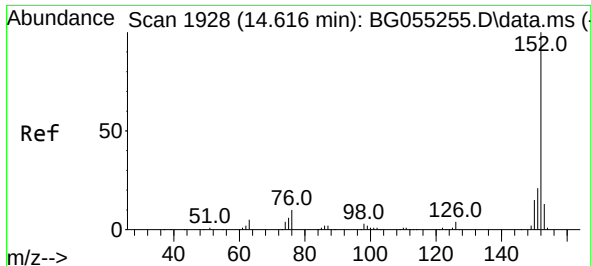
Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

Tgt Ion: 65 Resp: 129501

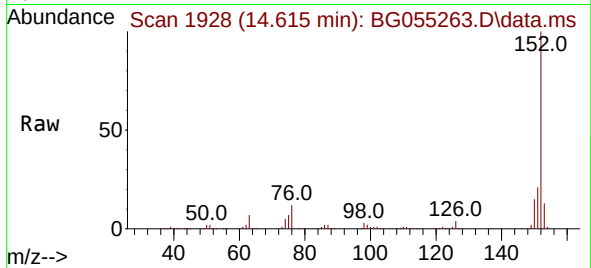
Ion	Ratio	Lower	Upper
65	100		
92	68.5	54.6	82.0
138	102.0	80.2	120.4





#49
Acenaphthylene
Concen: 52.517 ng
RT: 14.615 min Scan# 1928
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

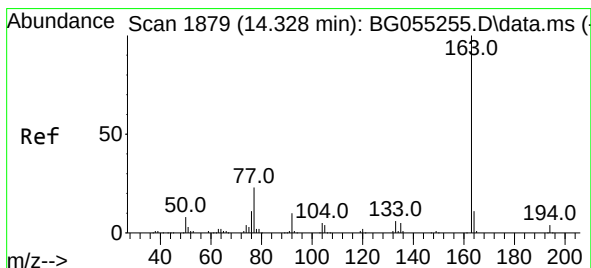
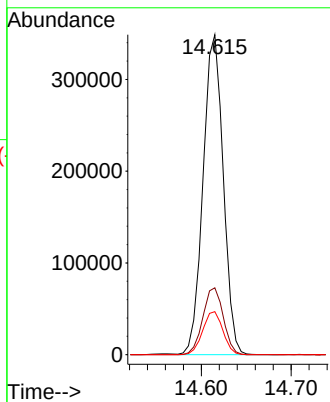
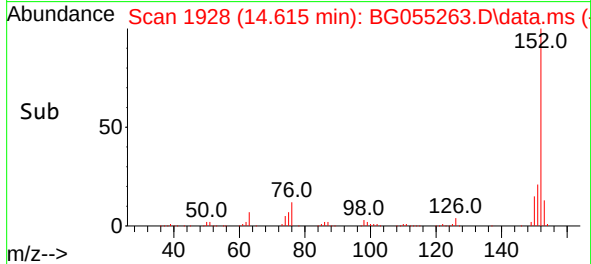
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



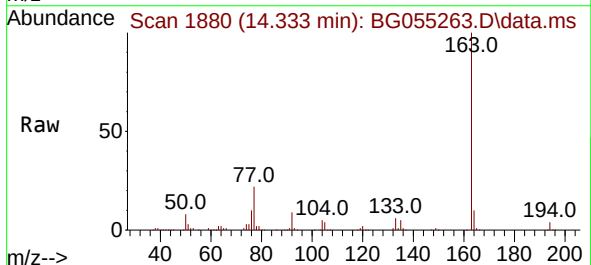
Tgt Ion:152 Resp: 544290
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0
153 13.4 10.5 15.7

Manual Integrations
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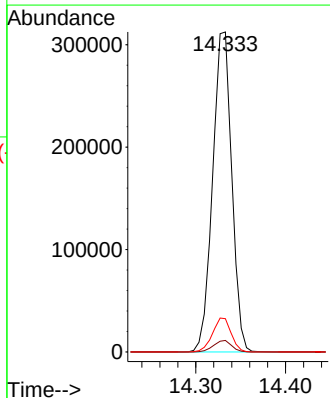
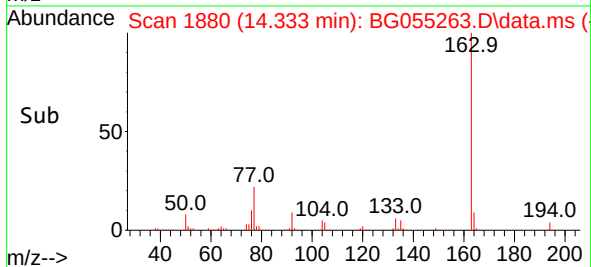
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

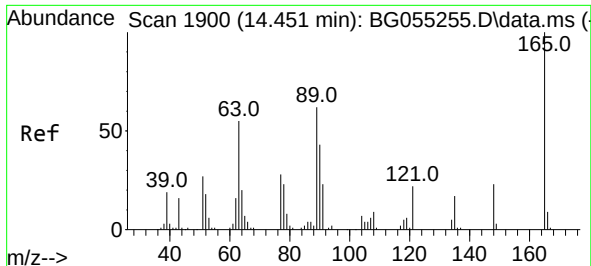


#50
Dimethylphthalate
Concen: 53.028 ng
RT: 14.333 min Scan# 1880
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



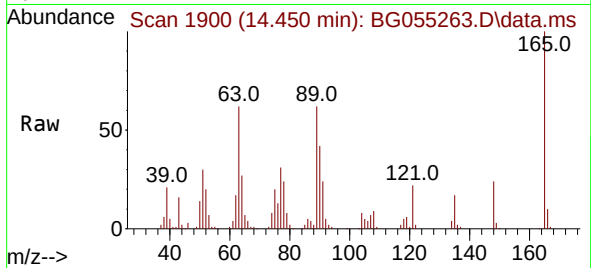
Tgt Ion:163 Resp: 462178
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.4 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 55.515 ng
RT: 14.450 min Scan# 1900
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

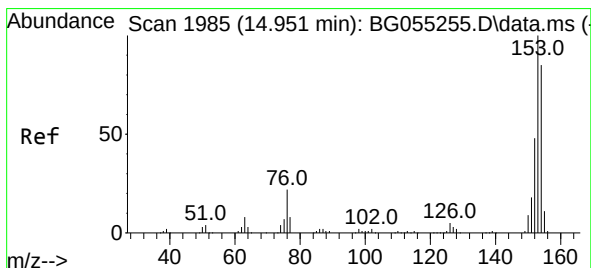
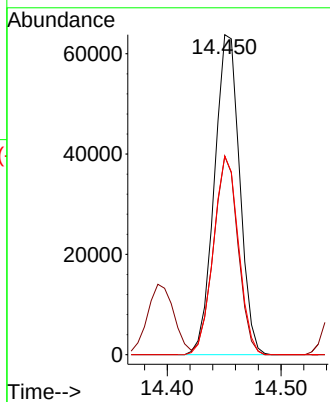
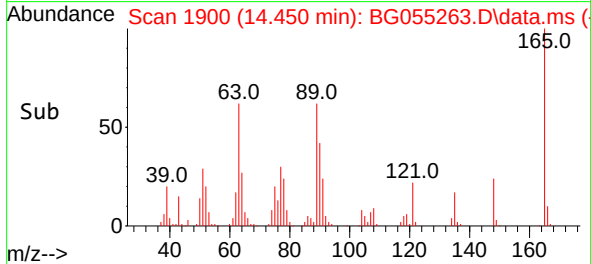
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



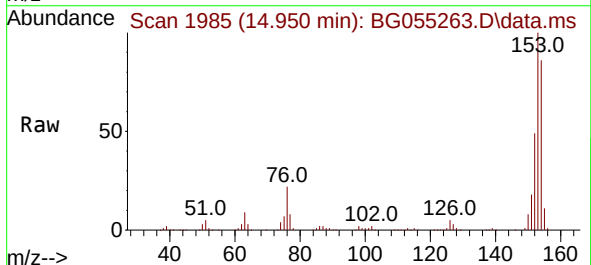
Tgt Ion:165 Resp: 98458
Ion Ratio Lower Upper
165 100
63 62.1 49.2 73.8
89 62.1 49.9 74.9

Manual Integrations
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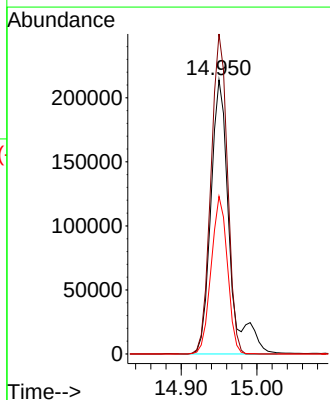
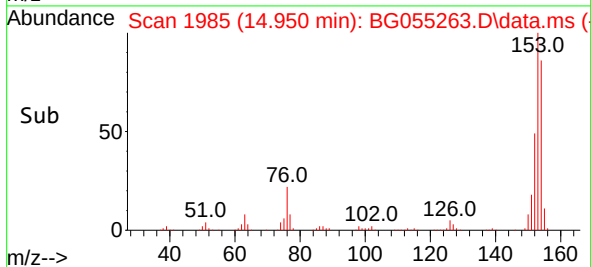
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

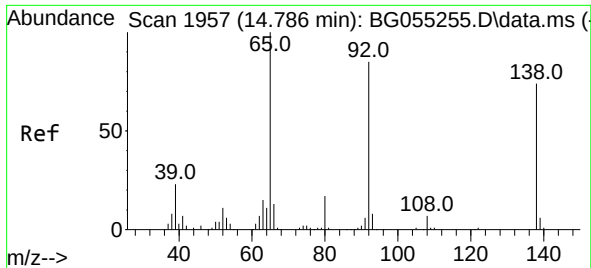


#52
Acenaphthene
Concen: 54.582 ng m
RT: 14.950 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



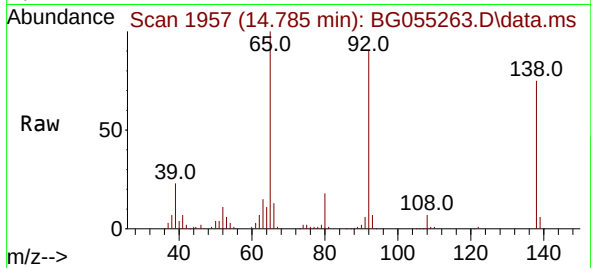
Tgt Ion:154 Resp: 360587
Ion Ratio Lower Upper
154 100
153 116.8 94.3 141.5
152 57.5 45.3 67.9





#53
3-Nitroaniline
Concen: 40.914 ng
RT: 14.785 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

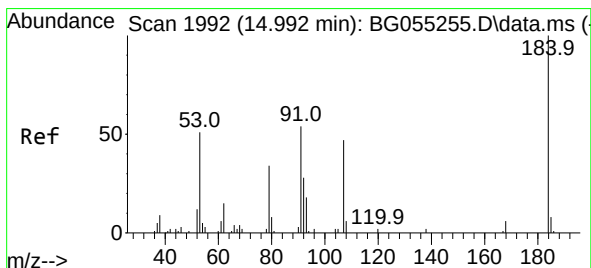
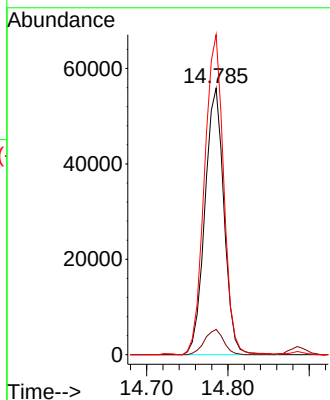
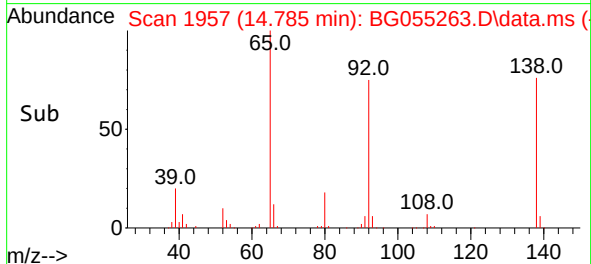
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



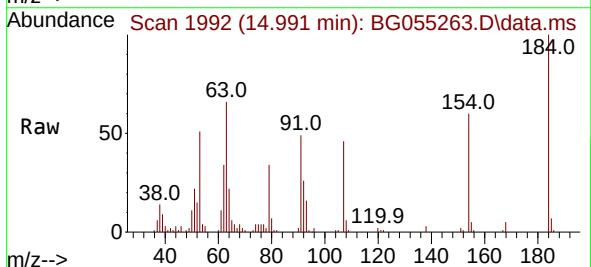
Tgt Ion:138 Resp: 9120
Ion Ratio Lower Upper
138 100
108 9.5 7.5 11.3
92 120.1 91.8 137.8

Manual Integrations
APPROVED

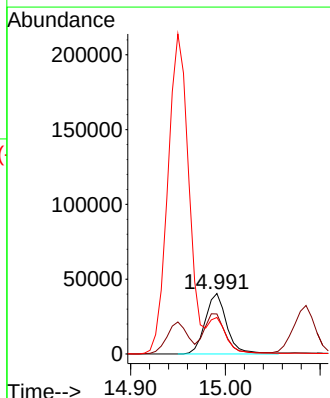
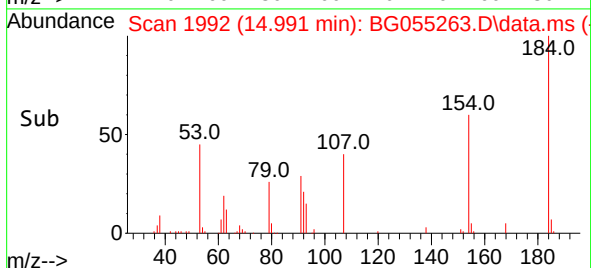
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

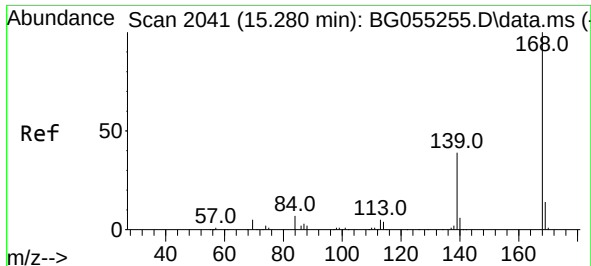


#54
2,4-Dinitrophenol
Concen: 62.345 ng
RT: 14.991 min Scan# 1992
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



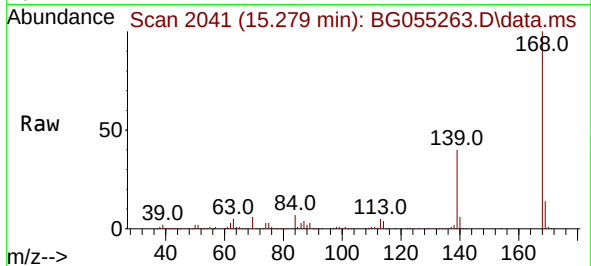
Tgt Ion:184 Resp: 63762
Ion Ratio Lower Upper
184 100
63 66.2 55.7 83.5
154 60.4 49.4 74.0





#55
Dibenzofuran
Concen: 52.737 ng
RT: 15.279 min Scan# 2041
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

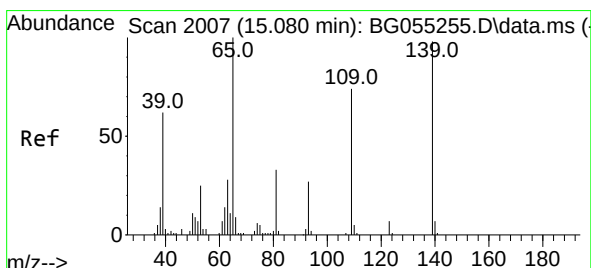
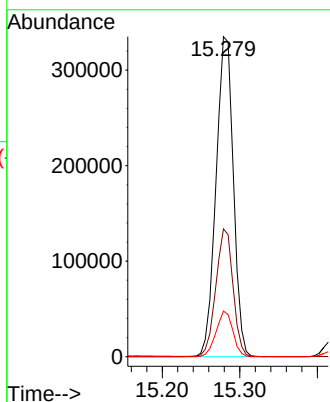
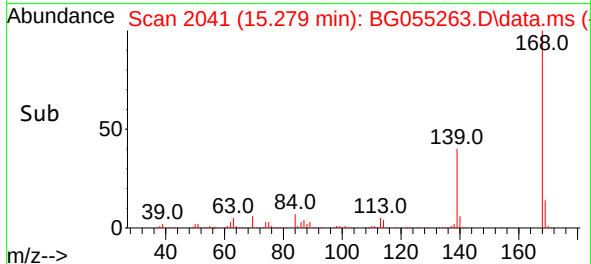
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:168 Resp: 52269
Ion Ratio Lower Upper
168 100
139 39.9 31.6 47.4
169 14.3 11.0 16.4

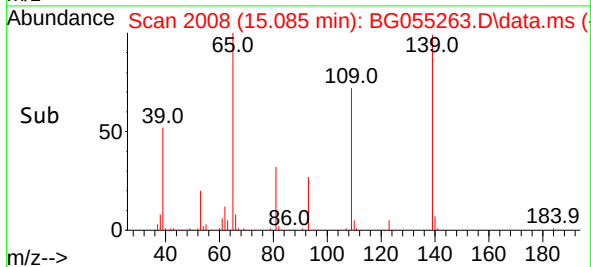
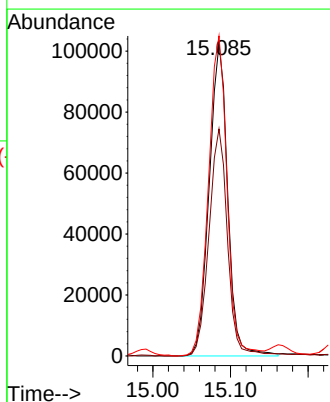
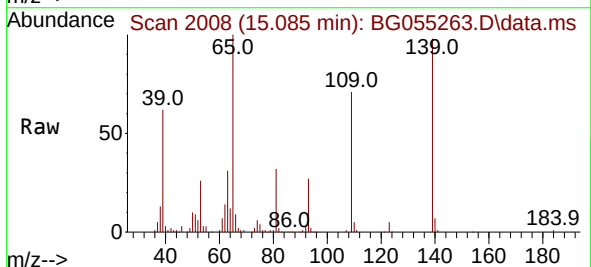
Manual Integrations
APPROVED

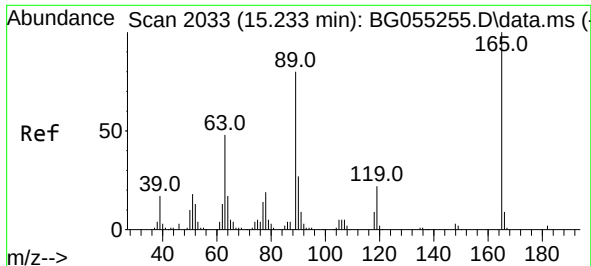
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#56
4-Nitrophenol
Concen: 106.615 ng
RT: 15.085 min Scan# 2008
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

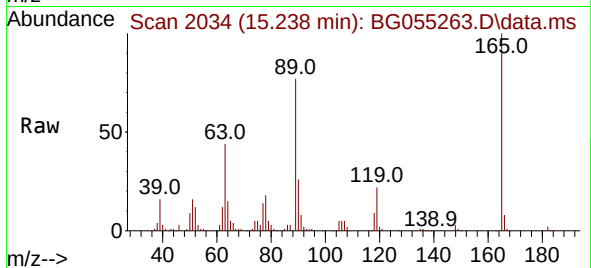
Tgt Ion:139 Resp: 169980
Ion Ratio Lower Upper
139 100
109 72.7 55.4 95.4
65 102.5 81.6 121.6





#57
2,4-Dinitrotoluene
Concen: 55.705 ng
RT: 15.238 min Scan# 2033
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

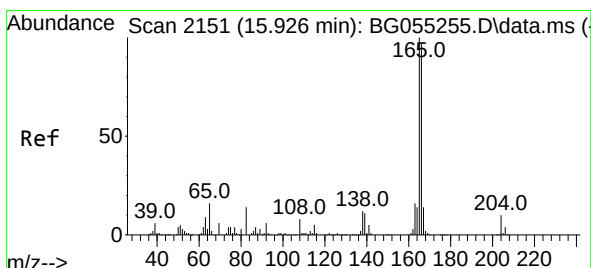
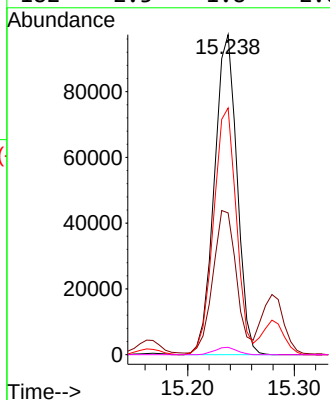
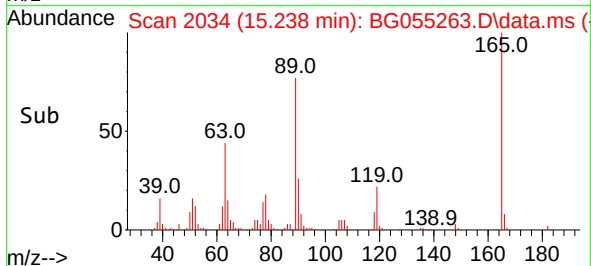
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:165 Resp: 143369
Ion Ratio Lower Upper
165 100
63 44.3 38.9 58.3
89 77.1 64.2 96.4
182 2.3 1.8 2.6

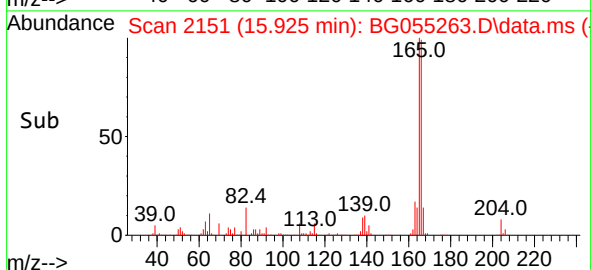
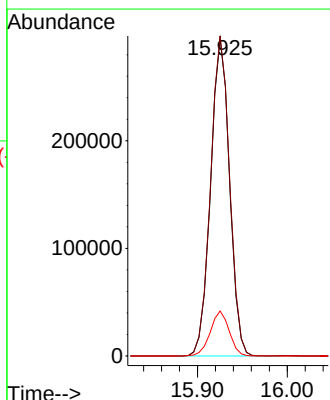
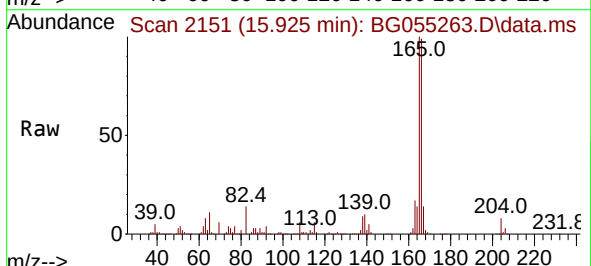
Manual Integrations
APPROVED

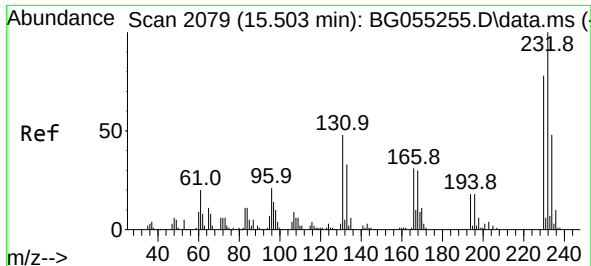
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#58
Fluorene
Concen: 52.242 ng
RT: 15.925 min Scan# 2151
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

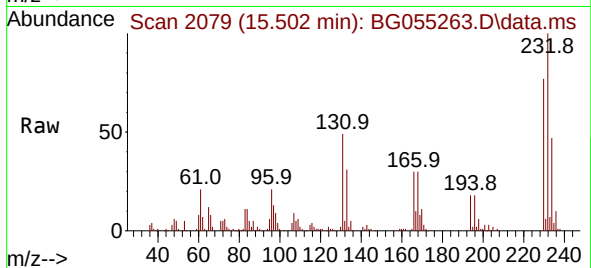
Tgt Ion:166 Resp: 430829
Ion Ratio Lower Upper
166 100
165 100.9 82.4 123.6
167 14.2 11.5 17.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 55.944 ng
RT: 15.502 min Scan# 2079
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

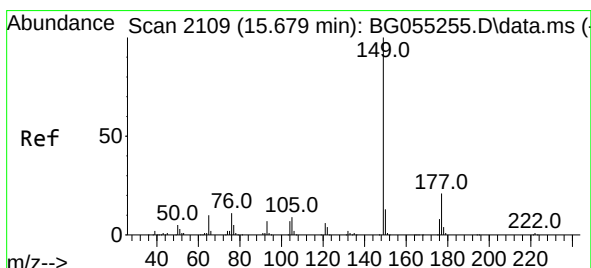
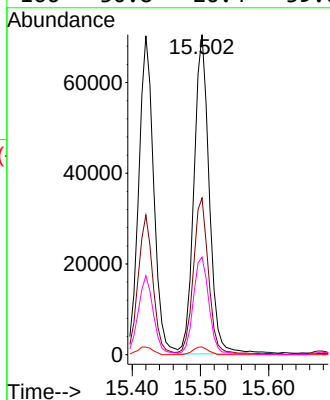
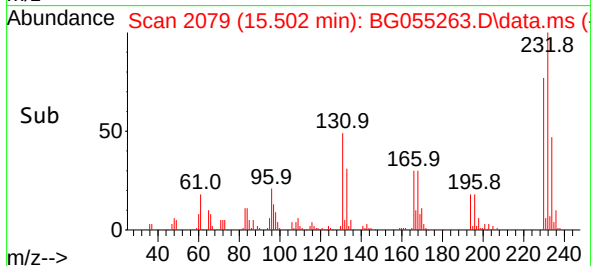
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



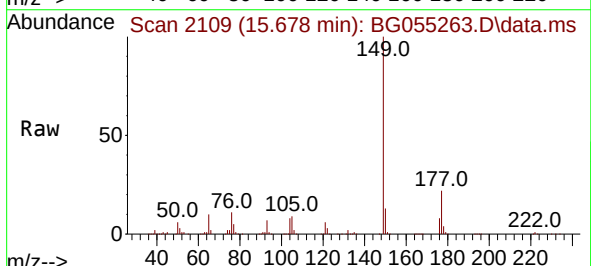
Tgt Ion:232 Resp: 109080
Ion Ratio Lower Upper
232 100
131 50.0 39.6 59.4
130 2.5 2.1 3.1
166 30.8 26.4 39.6

Manual Integrations
APPROVED

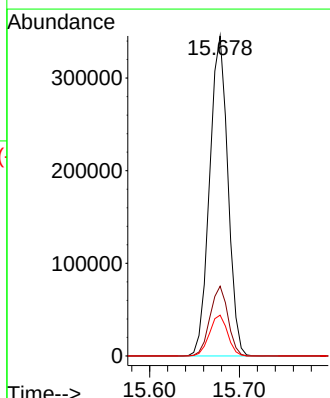
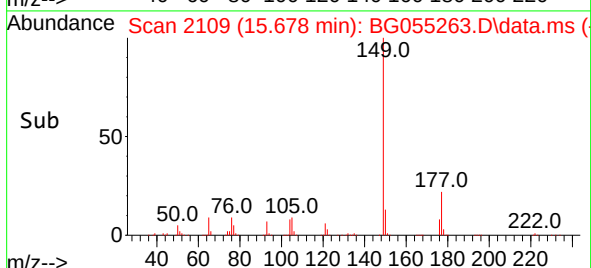
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

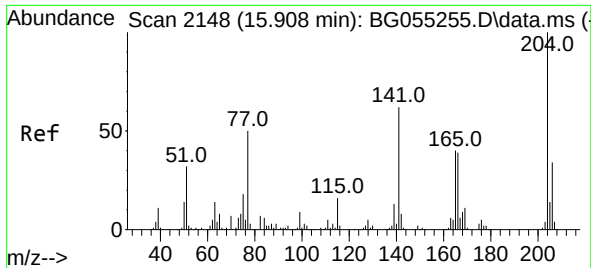


#60
Diethylphthalate
Concen: 52.593 ng
RT: 15.678 min Scan# 2109
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



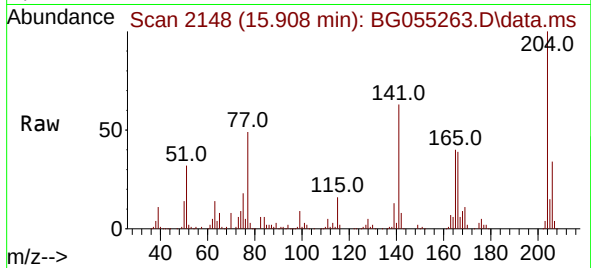
Tgt Ion:149 Resp: 487601
Ion Ratio Lower Upper
149 100
177 21.8 16.7 25.1
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 55.007 ng
RT: 15.908 min Scan# 2148
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

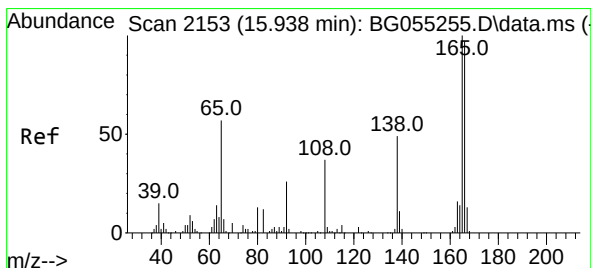
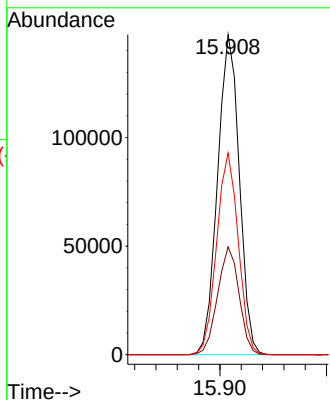
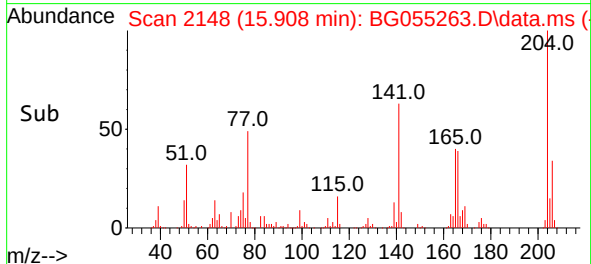
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:204 Resp: 208460
Ion Ratio Lower Upper
204 100
206 33.7 26.9 40.3
141 63.0 49.9 74.9

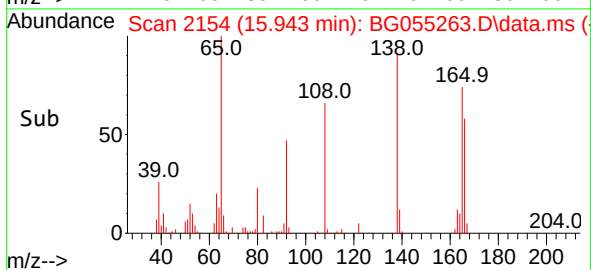
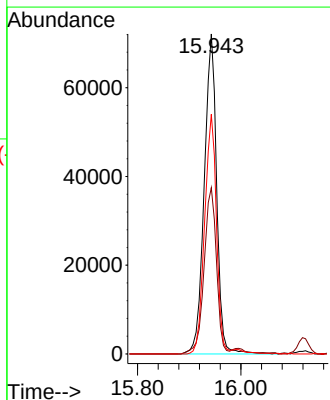
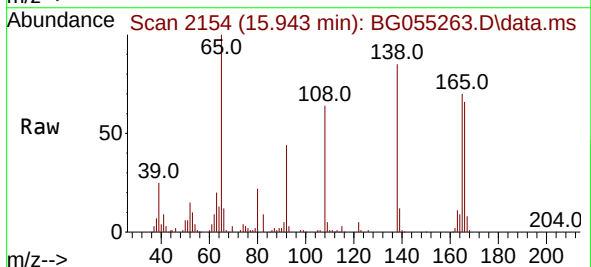
Manual Integrations
APPROVED

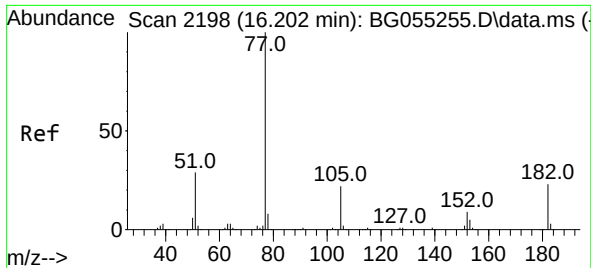
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#62
4-Nitroaniline
Concen: 51.366 ng
RT: 15.943 min Scan# 2154
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

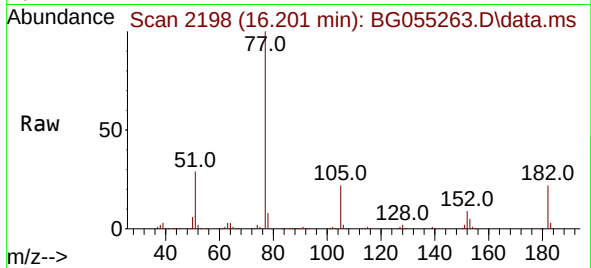
Tgt Ion:138 Resp: 120324
Ion Ratio Lower Upper
138 100
92 51.9 33.3 73.3
108 74.9 55.5 95.5





#63
Azobenzene
Concen: 53.365 ng
RT: 16.201 min Scan# 2198
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

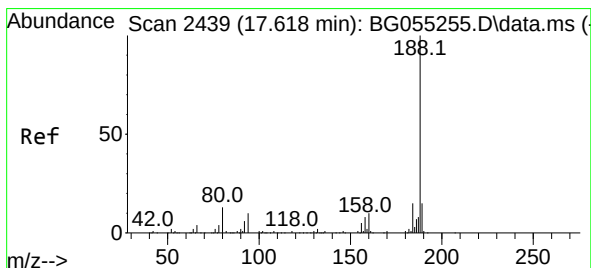
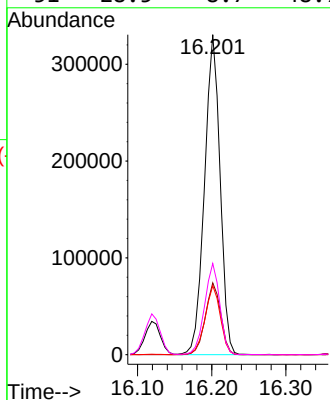
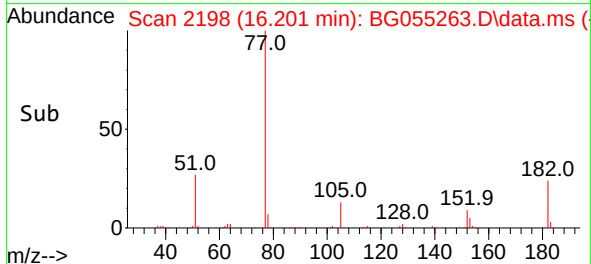
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



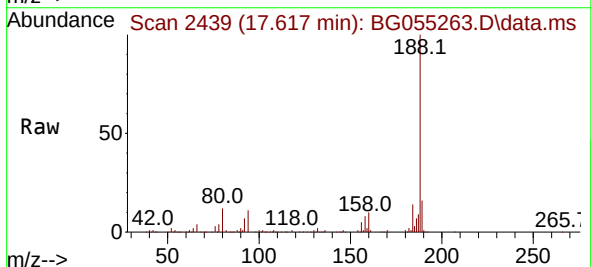
Tgt Ion: 77 Resp: 481998
Ion Ratio Lower Upper
77 100
182 22.5 2.5 42.5
105 21.6 1.6 41.6
51 28.5 8.7 48.7

Manual Integrations
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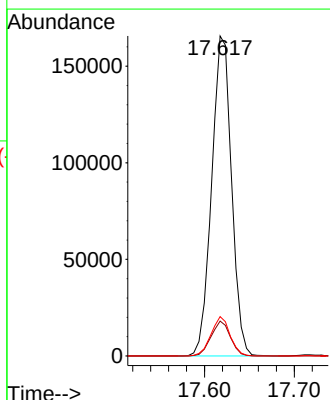
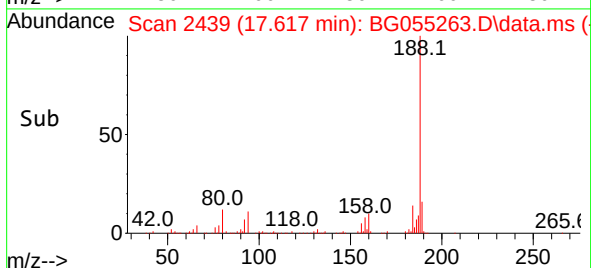
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

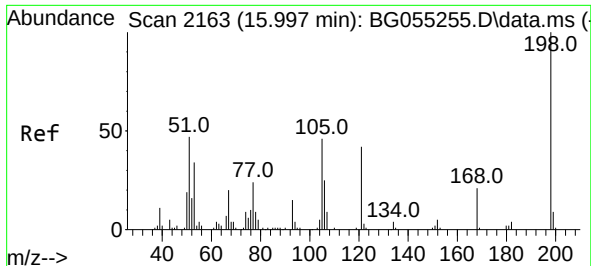


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.617 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



Tgt Ion:188 Resp: 254082
Ion Ratio Lower Upper
188 100
94 10.9 8.2 12.4
80 12.3 10.1 15.1





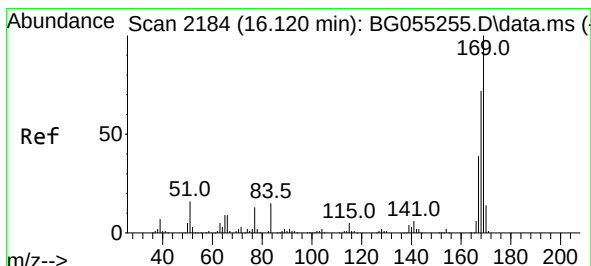
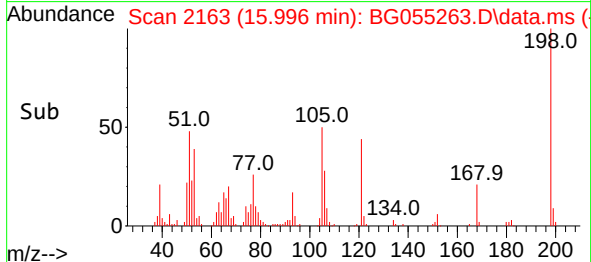
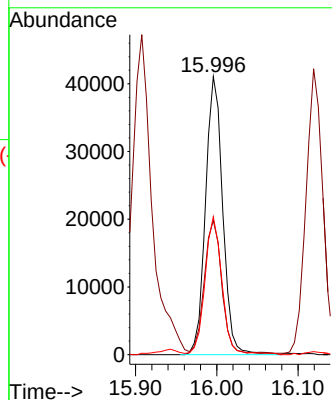
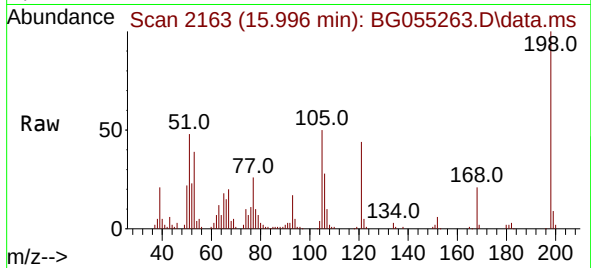
#65
4,6-Dinitro-2-methylphenol
Concen: 43.217 ng
RT: 15.996 min Scan# 2163
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD

Tgt Ion:198 Resp: 6036
Ion Ratio Lower Upper
198 100
51 48.2 29.6 69.6
105 49.6 26.6 66.6

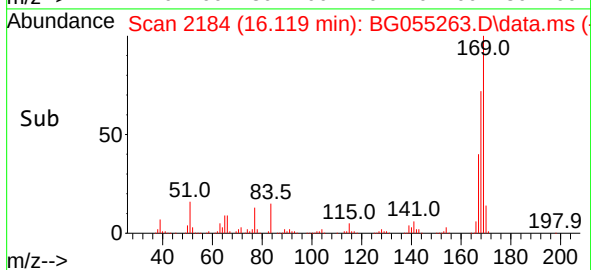
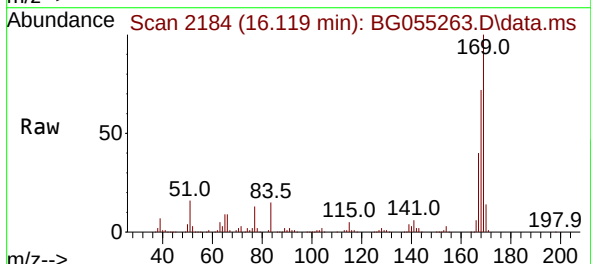
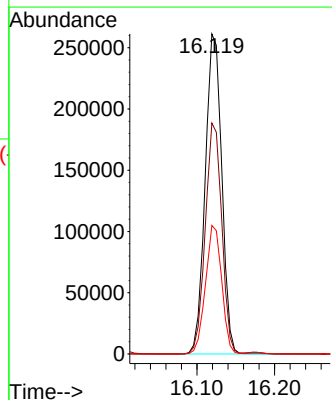
Manual Integrations
APPROVED

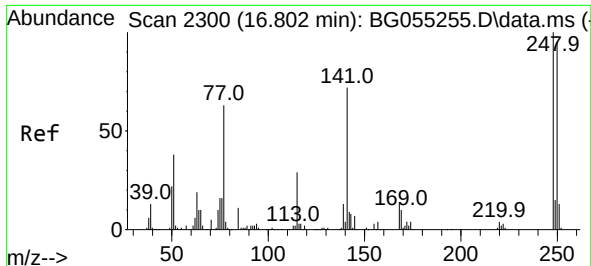
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#66
n-Nitrosodiphenylamine
Concen: 54.700 ng
RT: 16.119 min Scan# 2184
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

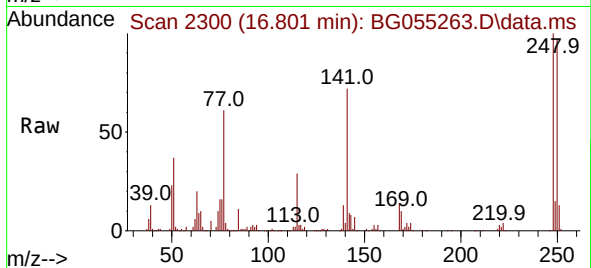
Tgt Ion:169 Resp: 386845
Ion Ratio Lower Upper
169 100
168 72.1 57.5 86.3
167 40.2 31.5 47.3





#67
4-Bromophenyl-phenylether
Concen: 56.574 ng
RT: 16.801 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

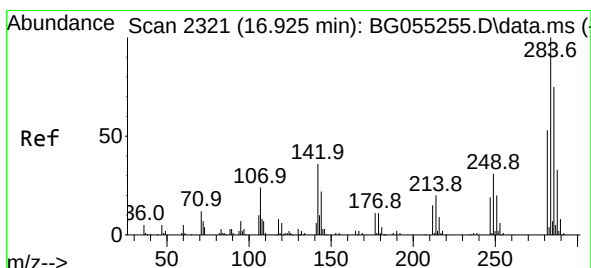
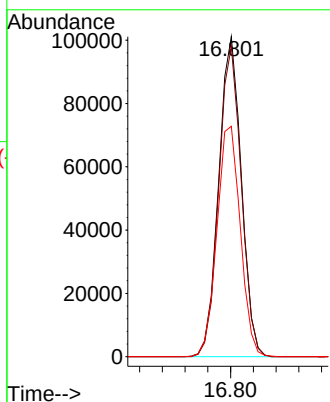
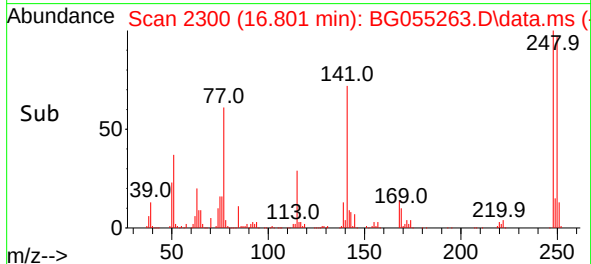
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



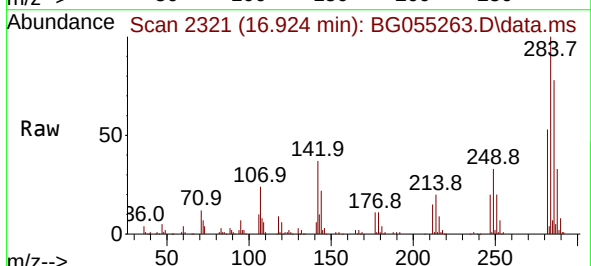
Tgt Ion:248 Resp: 13965
Ion Ratio Lower Upper
248 100
250 97.0 76.0 114.0
141 72.0 58.0 87.0

Manual Integrations
APPROVED

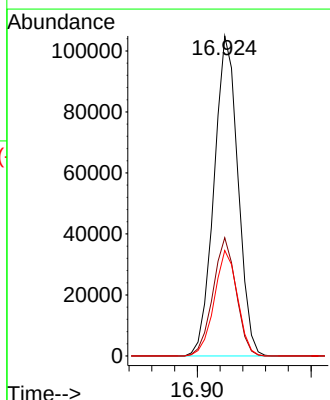
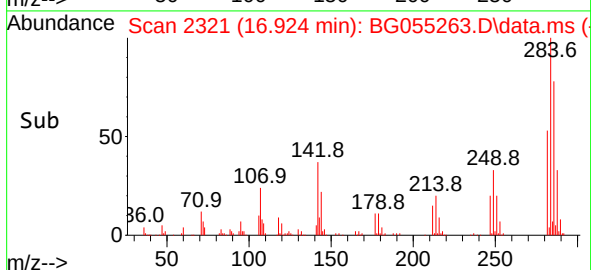
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

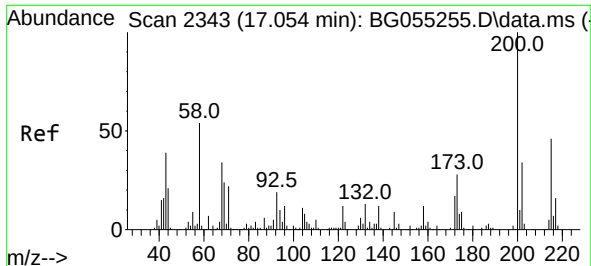


#68
Hexachlorobenzene
Concen: 54.847 ng
RT: 16.924 min Scan# 2321
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



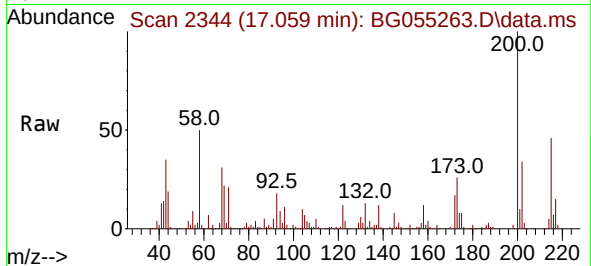
Tgt Ion:284 Resp: 153083
Ion Ratio Lower Upper
284 100
142 36.9 28.9 43.3
249 32.9 25.0 37.4





#69
 Atrazine
 Concen: 62.929 ng
 RT: 17.059 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27

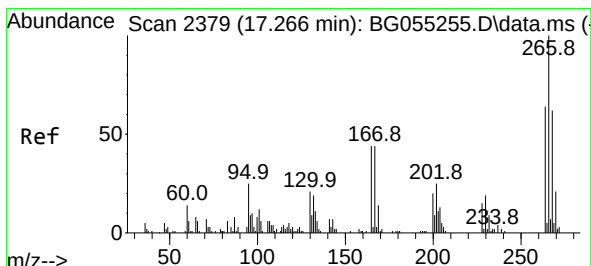
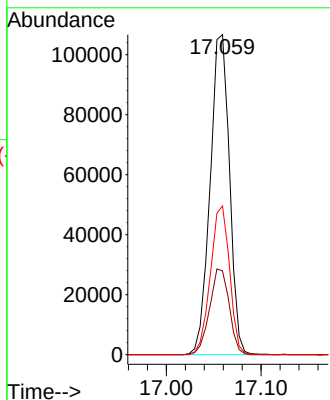
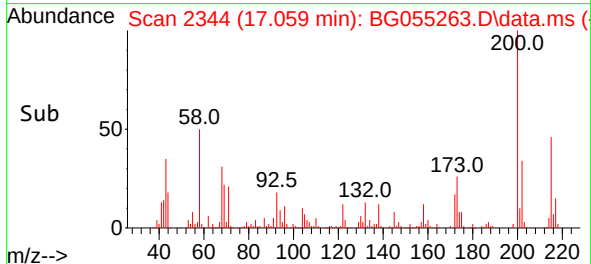
Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MSD



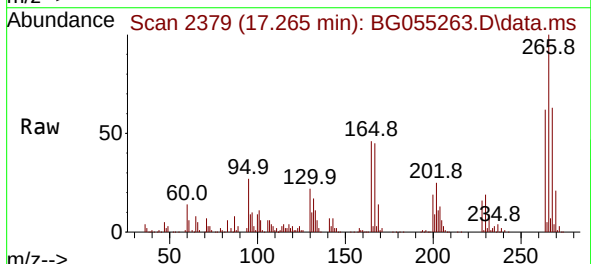
Tgt Ion:200 Resp: 15133
 Ion Ratio Lower Upper
 200 100
 173 26.2 7.7 47.7
 215 46.5 26.1 66.1

Manual Integrations
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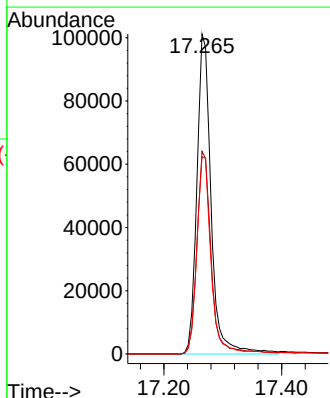
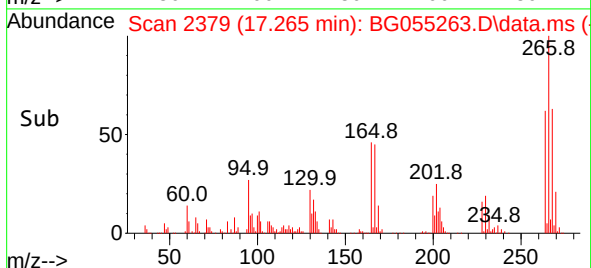
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

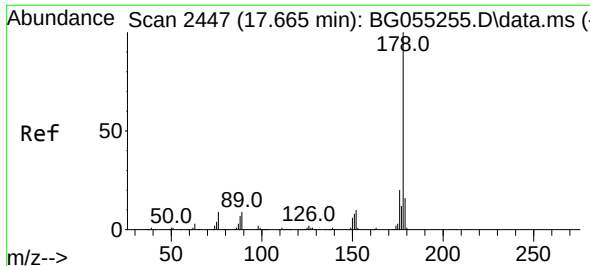


#70
 Pentachlorophenol
 Concen: 106.520 ng
 RT: 17.265 min Scan# 2379
 Delta R.T. -0.001 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27



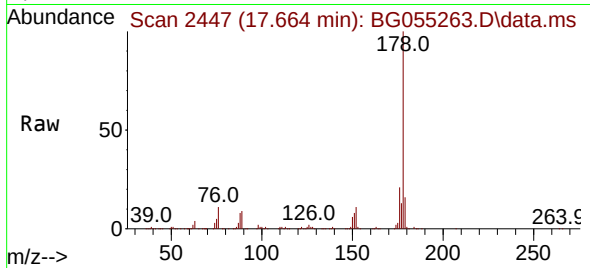
Tgt Ion:266 Resp: 169331
 Ion Ratio Lower Upper
 266 100
 268 63.3 53.2 79.8
 264 61.6 51.5 77.3





#71
Phenanthrene
Concen: 52.522 ng
RT: 17.664 min Scan# 2447
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

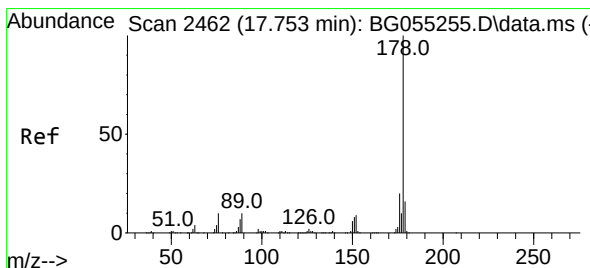
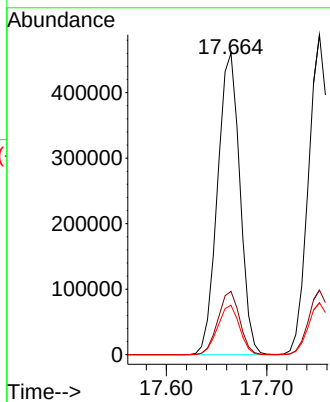
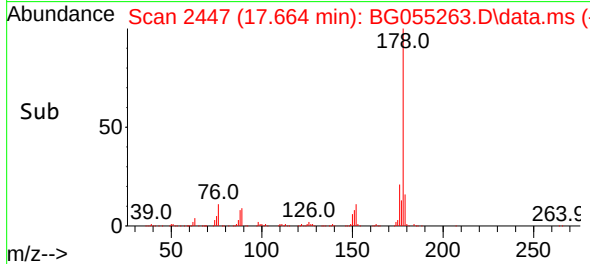
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



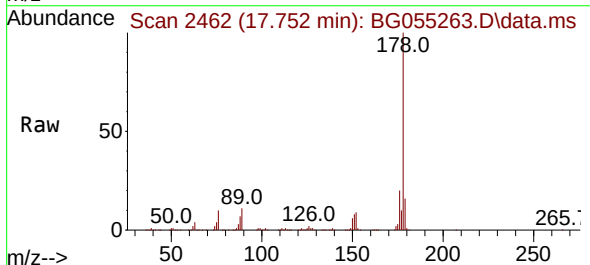
Tgt Ion:178 Resp: 711694
Ion Ratio Lower Upper
178 100
176 21.0 16.0 24.0
179 16.4 12.6 19.0

Manual Integrations
APPROVED

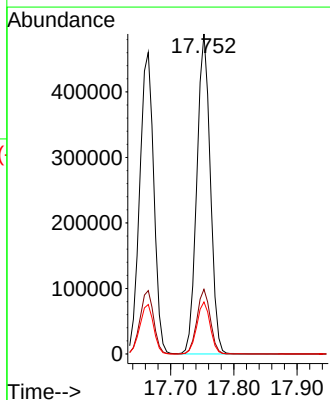
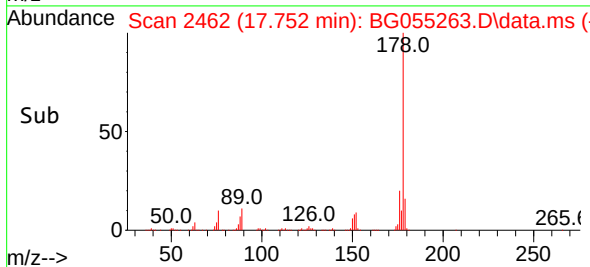
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

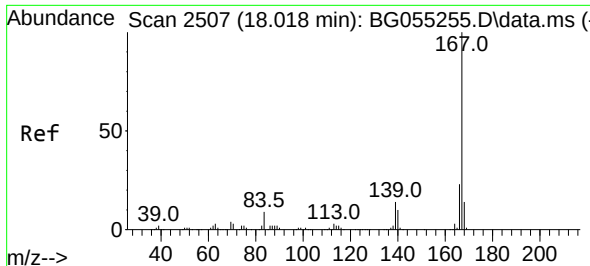


#72
Anthracene
Concen: 54.322 ng
RT: 17.752 min Scan# 2462
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



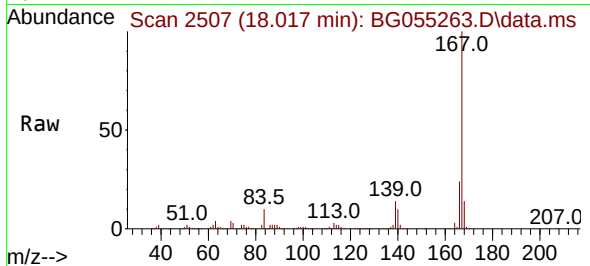
Tgt Ion:178 Resp: 719603
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 16.3 12.9 19.3





#73
 Carbazole
 Concen: 55.259 ng
 RT: 18.017 min Scan# 2507
 Delta R.T. -0.001 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27

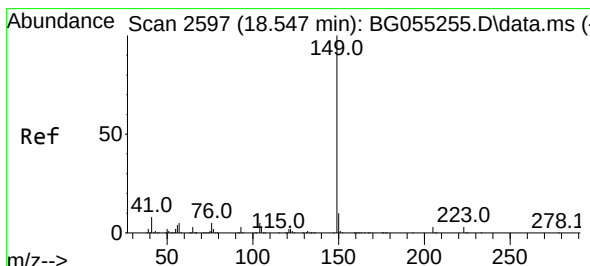
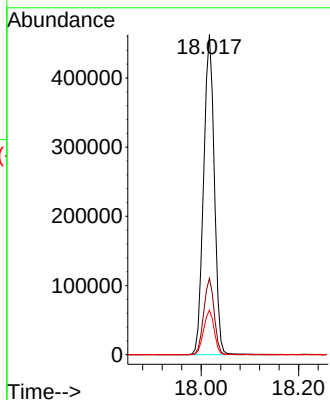
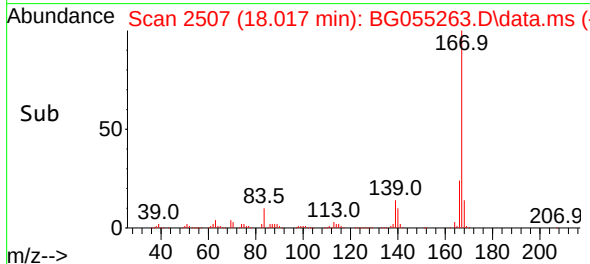
Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MSD



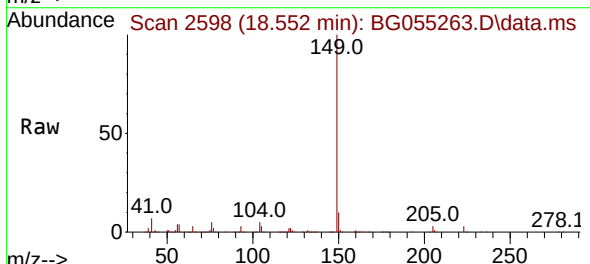
Tgt Ion:167 Resp: 704070
 Ion Ratio Lower Upper
 167 100
 166 23.9 18.6 27.8
 139 13.9 10.9 16.3

Manual Integrations
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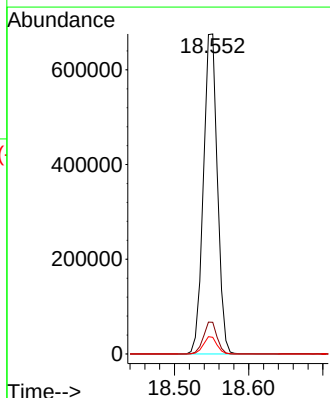
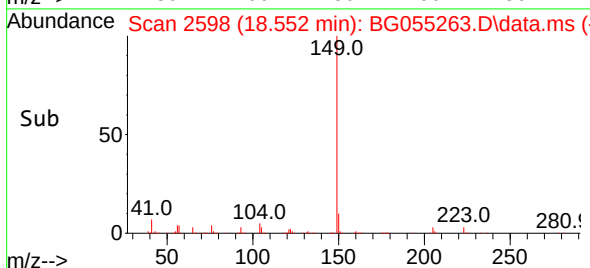
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

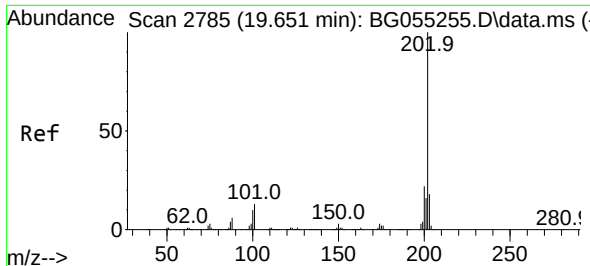


#74
 Di-n-butylphthalate
 Concen: 55.837 ng
 RT: 18.552 min Scan# 2598
 Delta R.T. 0.005 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27



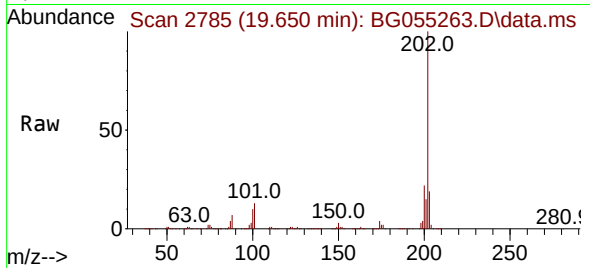
Tgt Ion:149 Resp: 889321
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.8 11.8
 104 5.2 4.2 6.4





#75
Fluoranthene
Concen: 52.869 ng
RT: 19.650 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

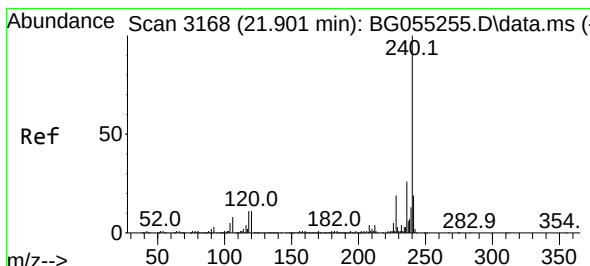
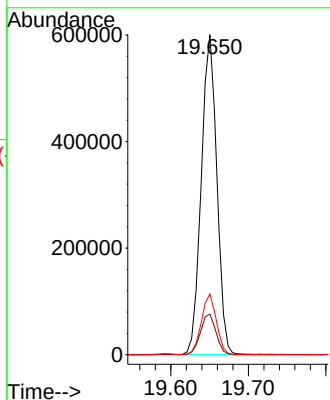
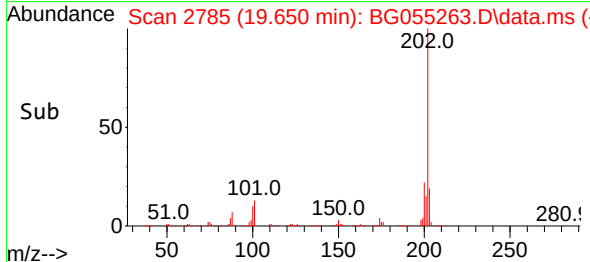
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:202 Resp: 834770
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.6
203 19.0 0.0 38.3

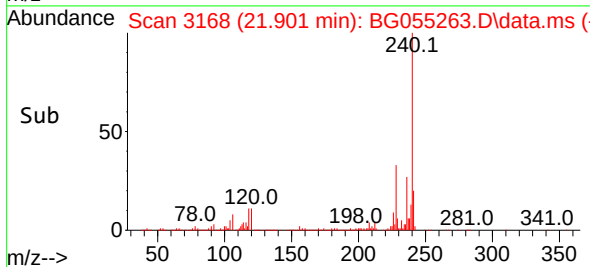
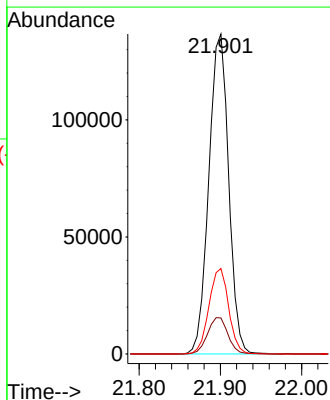
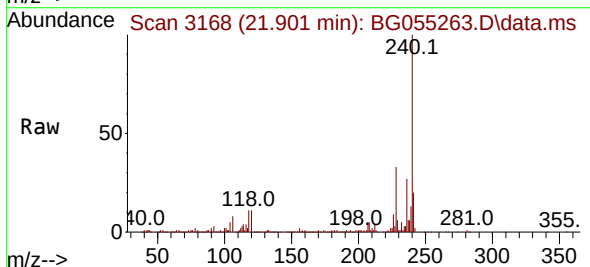
Manual Integrations
APPROVED

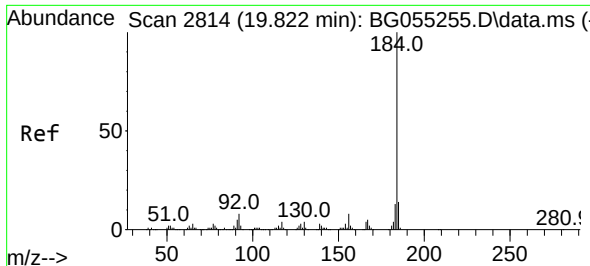
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.901 min Scan# 3168
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

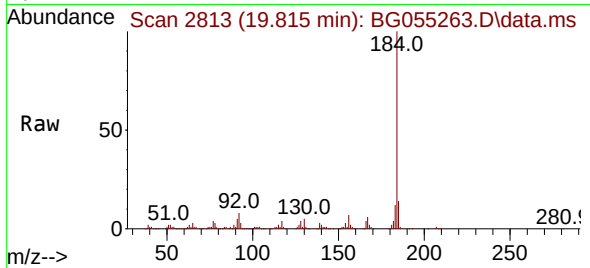
Tgt Ion:240 Resp: 231687
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 26.7 21.0 31.4





#77
Benzidine
Concen: 51.071 ng
RT: 19.815 min Scan# 2813
Delta R.T. -0.007 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

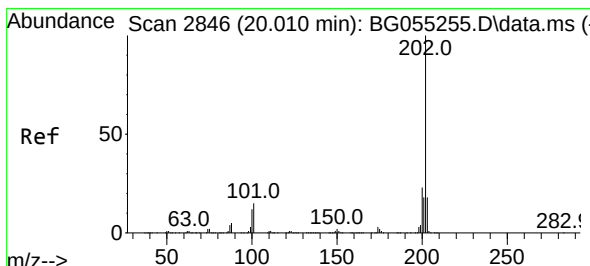
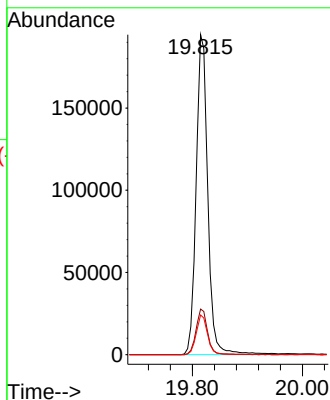
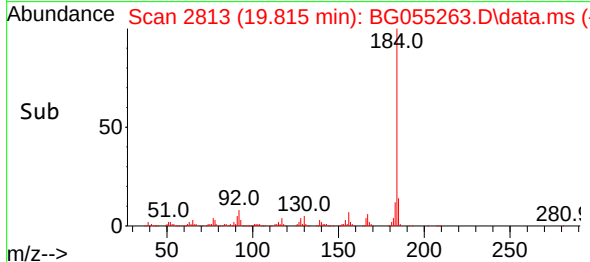
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



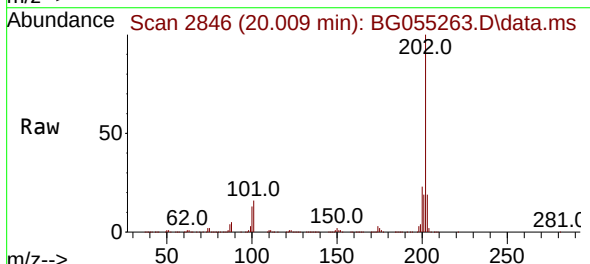
Tgt Ion:184 Resp: 286498
Ion Ratio Lower Upper
184 100
185 14.2 11.0 16.6
183 12.4 10.0 15.0

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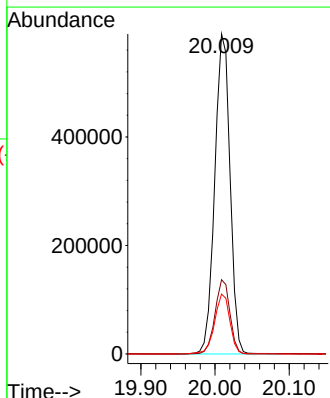
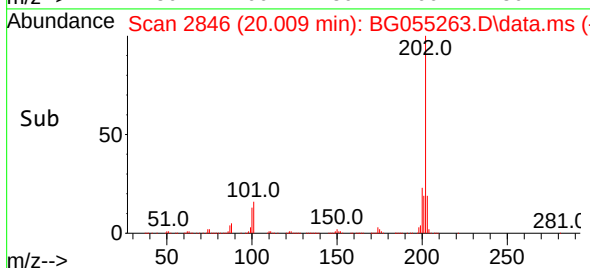
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

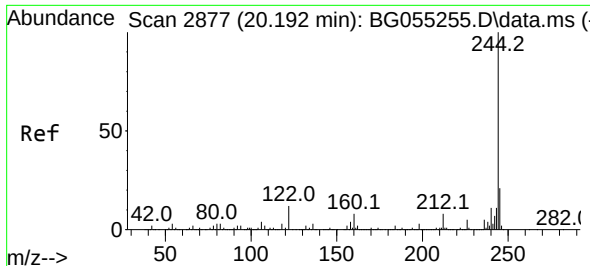


#78
Pyrene
Concen: 53.132 ng
RT: 20.009 min Scan# 2846
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27



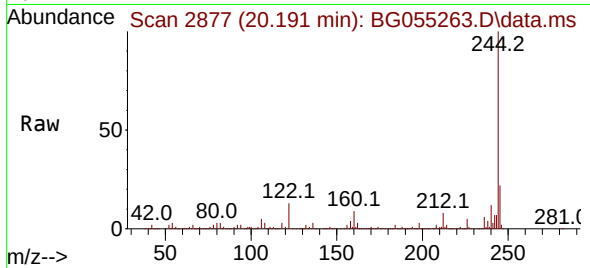
Tgt Ion:202 Resp: 843765
Ion Ratio Lower Upper
202 100
200 23.2 18.0 27.0
203 18.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 106.961 ng
 RT: 20.191 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27

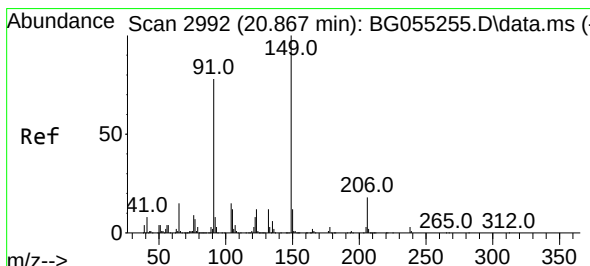
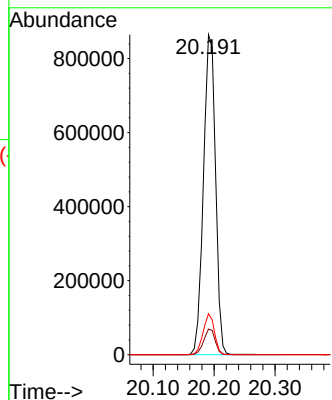
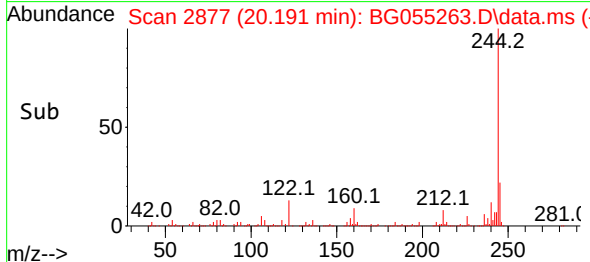
Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MSD



Tgt Ion:244 Resp: 119274
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 12.8 9.6 14.4

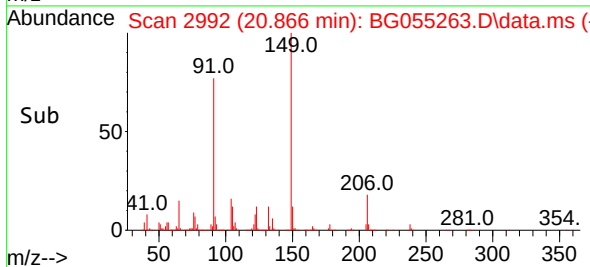
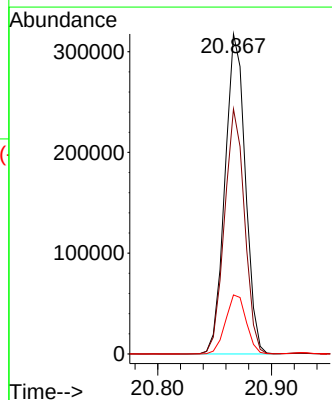
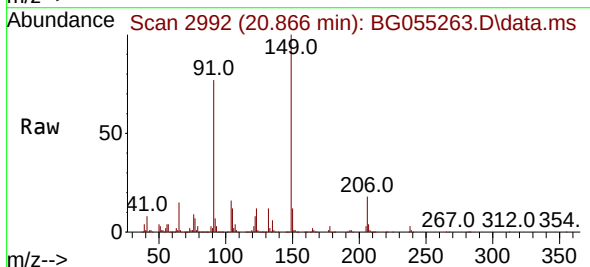
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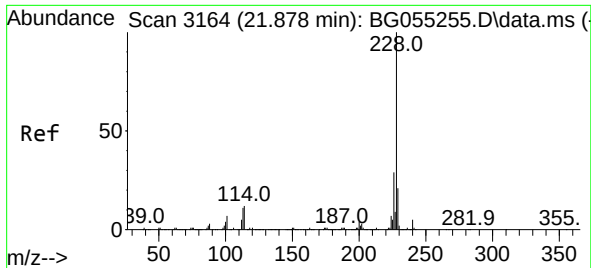
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#80
 Butylbenzylphthalate
 Concen: 52.734 ng
 RT: 20.866 min Scan# 2992
 Delta R.T. -0.001 min
 Lab File: BG055263.D
 Acq: 24 Oct 2022 19:27

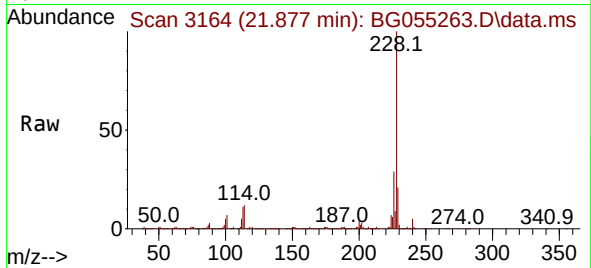
Tgt Ion:149 Resp: 395732
 Ion Ratio Lower Upper
 149 100
 91 76.6 62.2 93.4
 206 18.4 14.6 21.8





#81
Benzo(a)anthracene
Concen: 50.463 ng
RT: 21.877 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

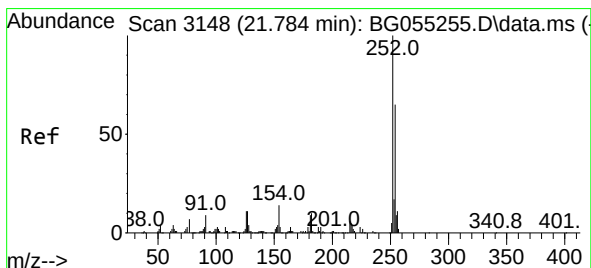
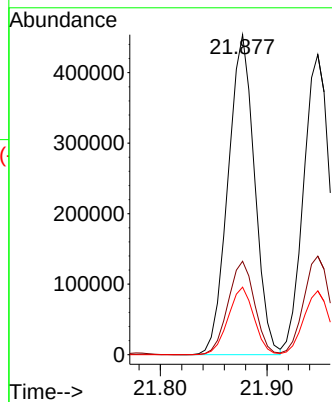
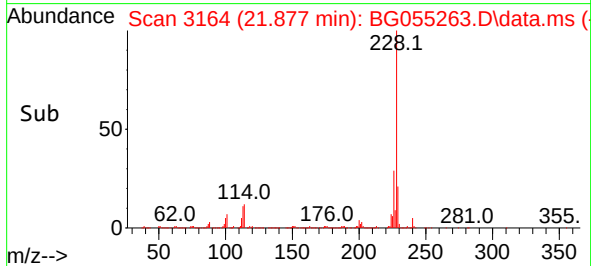
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:228 Resp: 785110
Ion Ratio Lower Upper
228 100
226 29.2 22.9 34.3
229 21.1 16.7 25.1

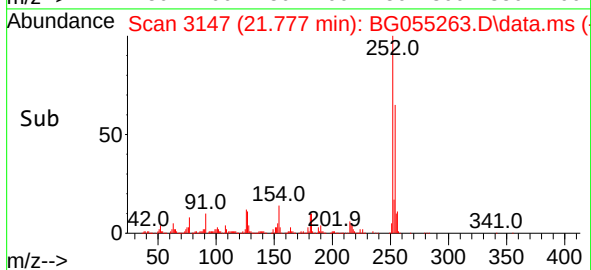
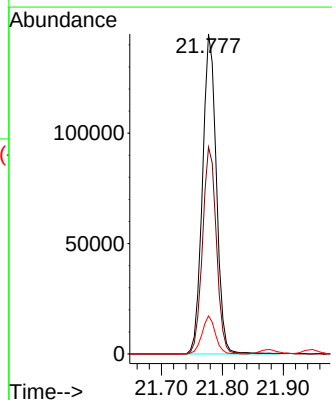
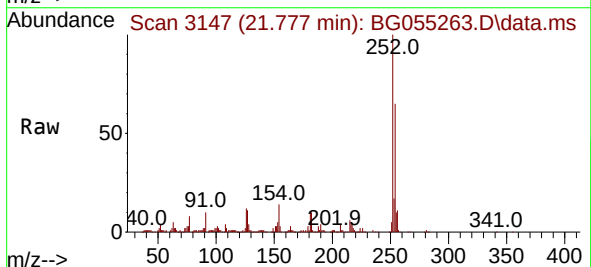
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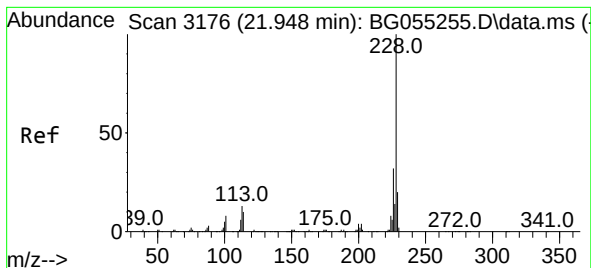
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#82
3,3'-Dichlorobenzidine
Concen: 45.344 ng
RT: 21.777 min Scan# 3147
Delta R.T. -0.007 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Tgt Ion:252 Resp: 229766
Ion Ratio Lower Upper
252 100
254 64.6 52.2 78.4
126 11.9 8.6 12.8





#83

Chrysene

Concen: 49.379 ng

RT: 21.948 min Scan# 3176

Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

Instrument :

BNA_G

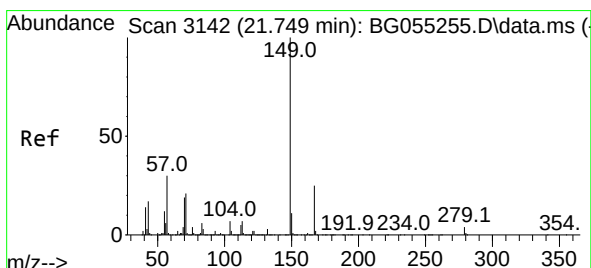
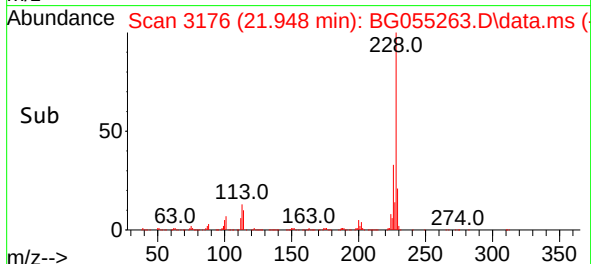
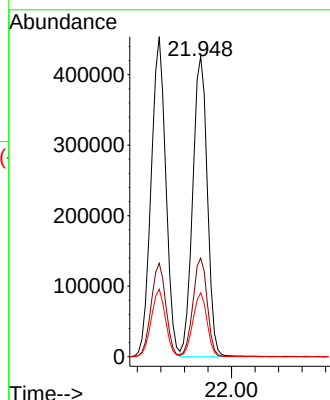
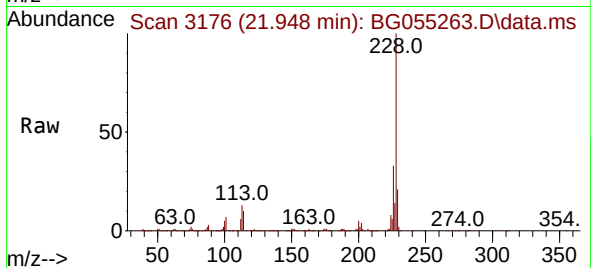
ClientSampleId :

SB-SOILPILE-1020MSD

Tgt Ion:228 Resp: 72974
 Ion Ratio Lower Upper
 228 100
 226 32.8 25.8 38.8
 229 21.3 16.3 24.5

Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.491 ng

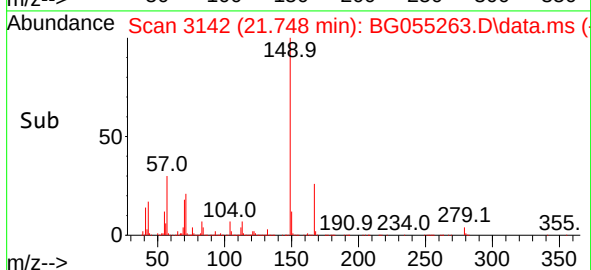
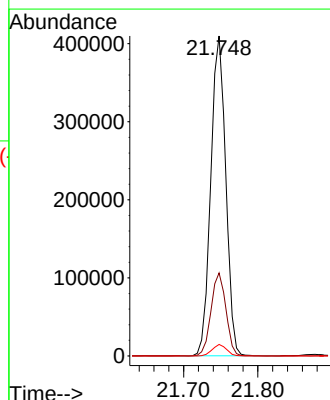
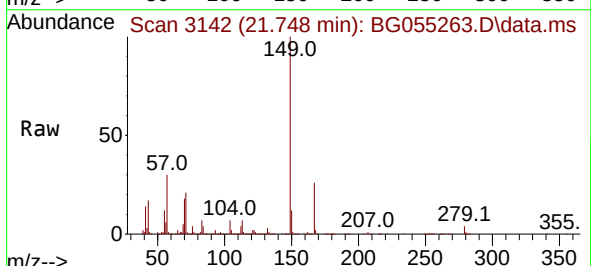
RT: 21.748 min Scan# 3142

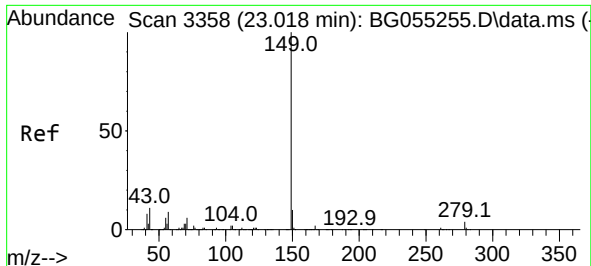
Delta R.T. -0.001 min

Lab File: BG055263.D

Acq: 24 Oct 2022 19:27

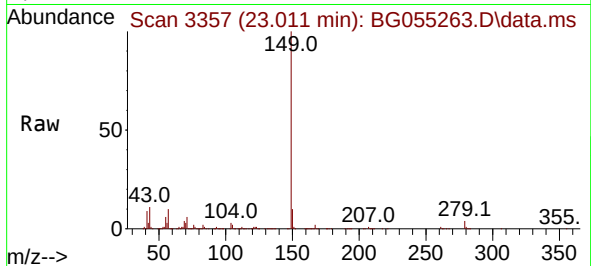
Tgt Ion:149 Resp: 573433
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.2 30.2
 279 3.6 2.8 4.2





#85
Di-n-octyl phthalate
Concen: 53.885 ng
RT: 23.011 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

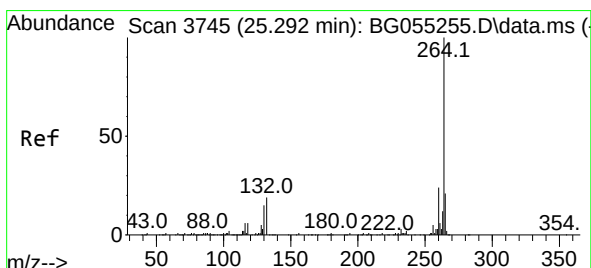
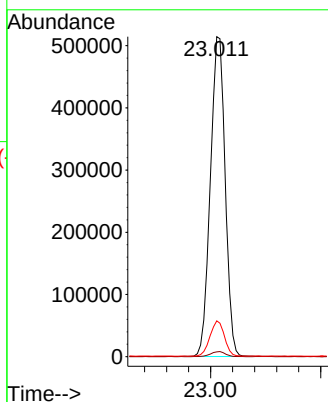
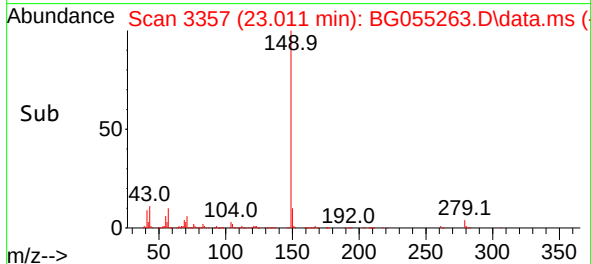
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:149 Resp: 96235
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.6 8.6 12.8

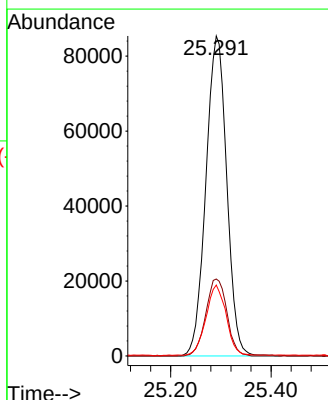
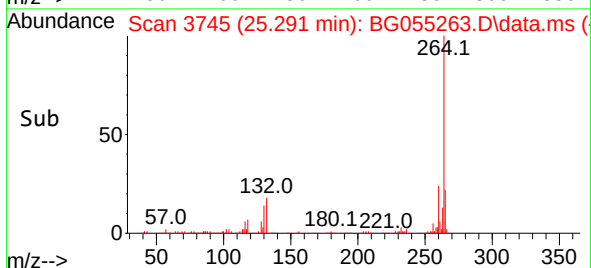
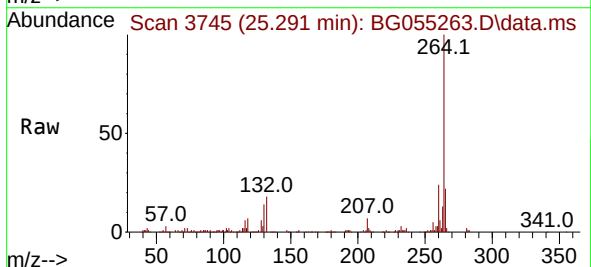
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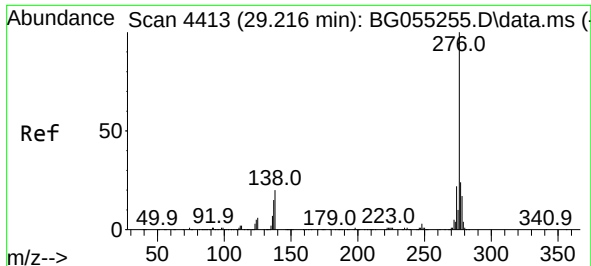
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.291 min Scan# 3745
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

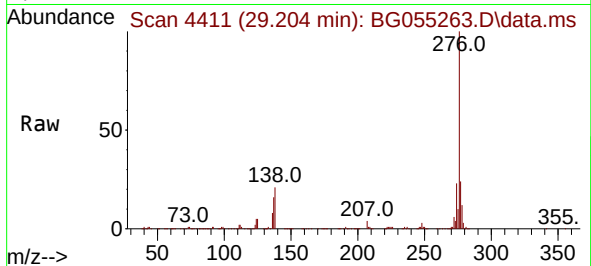
Tgt Ion:264 Resp: 245864
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.100 ng
RT: 29.204 min Scan# 4411
Delta R.T. -0.013 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

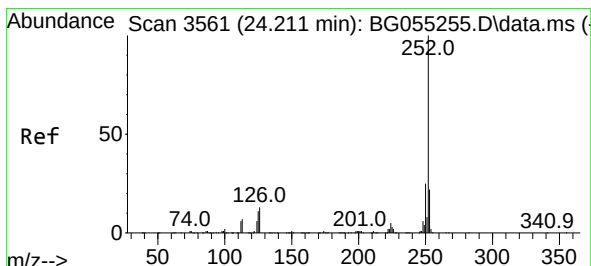
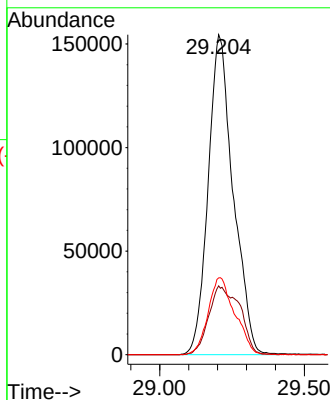
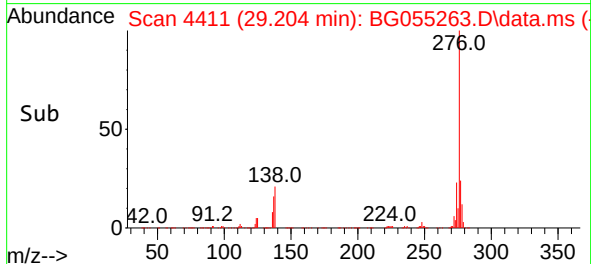
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:276 Resp: 927930
Ion Ratio Lower Upper
276 100
138 26.7 13.9 20.9
277 25.8 20.3 30.5

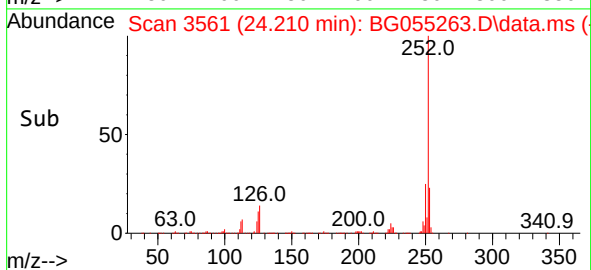
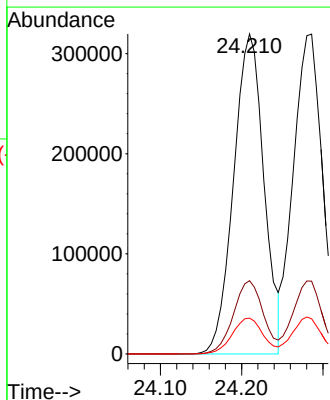
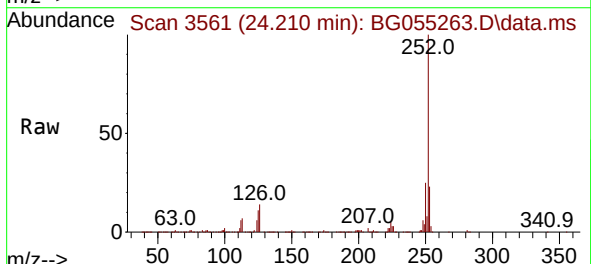
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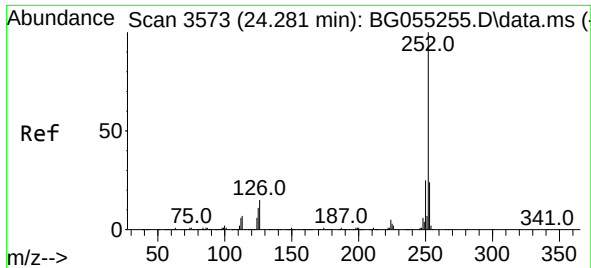
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#88
Benzo(b)fluoranthene
Concen: 56.050 ng
RT: 24.210 min Scan# 3561
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

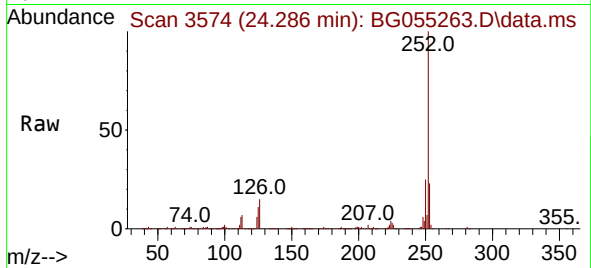
Tgt Ion:252 Resp: 828938
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.2 9.0 13.4





#89
Benzo(k)fluoranthene
Concen: 53.068 ng
RT: 24.286 min Scan# 3573
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

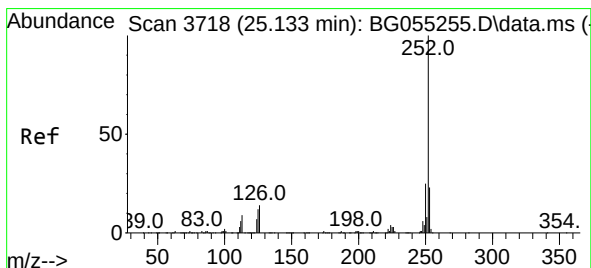
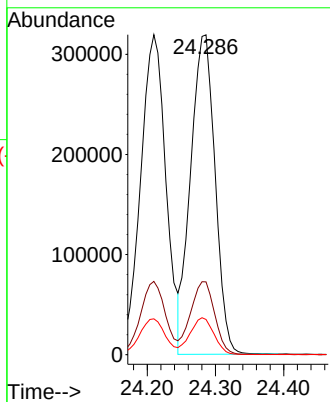
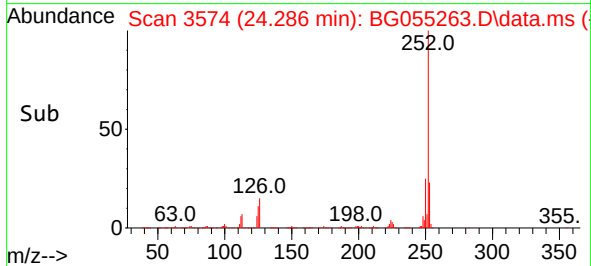
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:252 Resp: 792500
Ion Ratio Lower Upper
252 100
253 22.8 18.6 27.8
125 11.0 9.1 13.7

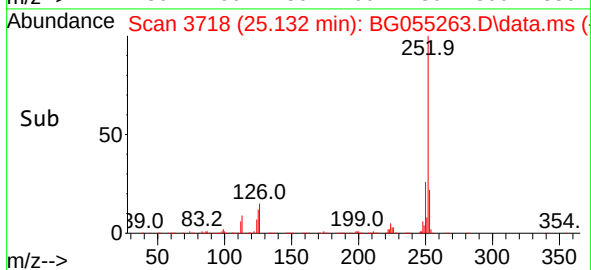
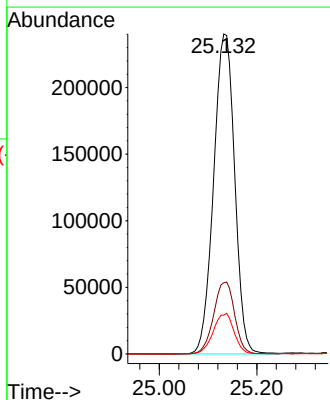
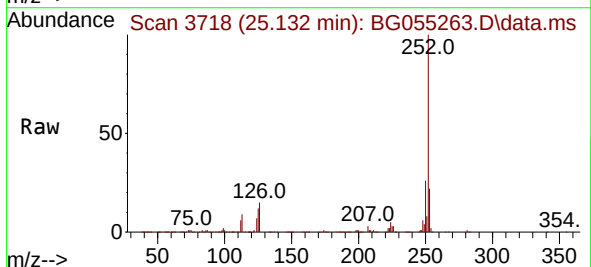
Manual Integrations
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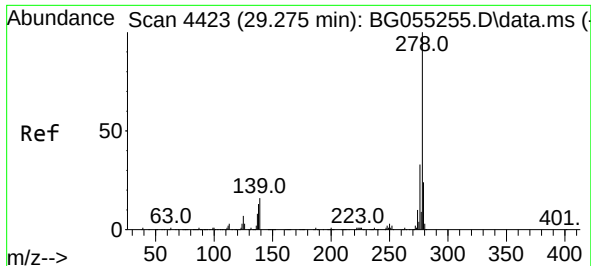
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#90
Benzo(a)pyrene
Concen: 56.823 ng
RT: 25.132 min Scan# 3718
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

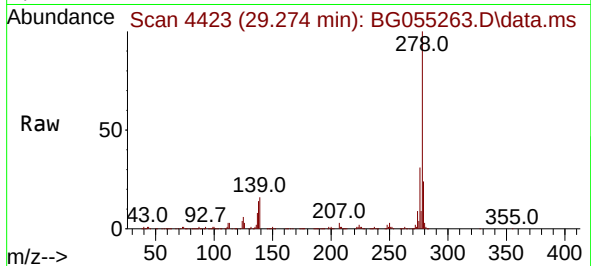
Tgt Ion:252 Resp: 720651
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 12.2 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 53.865 ng
RT: 29.274 min Scan# 4423
Delta R.T. -0.001 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

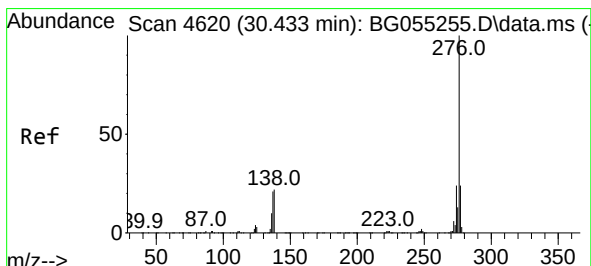
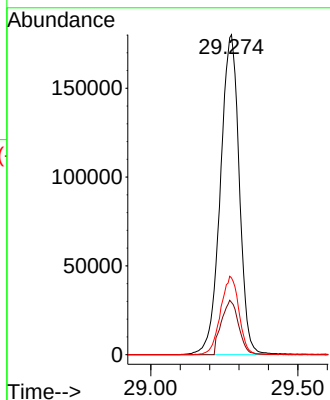
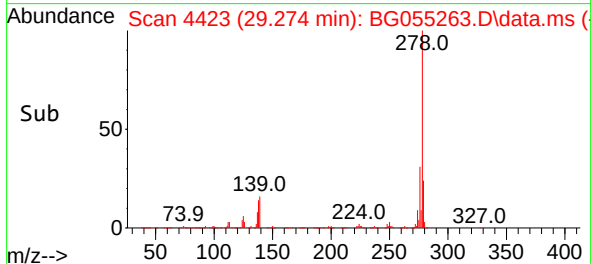
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD



Tgt Ion:278 Resp: 802704
Ion Ratio Lower Upper
278 100
139 16.4 12.9 19.3
279 24.0 19.0 28.6

Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#92
Benzo(g,h,i)perylene
Concen: 53.642 ng
RT: 30.438 min Scan# 4621
Delta R.T. 0.005 min
Lab File: BG055263.D
Acq: 24 Oct 2022 19:27

Tgt Ion:276 Resp: 792883
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 23.4 17.2 25.8

