

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
 Data File : BG055262.D
 Acq On : 24 Oct 2022 18:45
 Operator : CG/JU
 Sample : N5211-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MS

Quant Time: Oct 25 01:20:25 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

Supervised By :mohammad
 ahmed
 10/27/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	43632	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	179310	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	118005	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	261343	20.000	ng	0.00
76) Chrysene-d12	21.896	240	235948	20.000	ng	0.00
86) Perylene-d12	25.292	264	251829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	370716	148.770	ng	0.01
7) Phenol-d6	7.419	99	470943	130.450	ng	0.00
23) Nitrobenzene-d5	9.446	82	340239	96.892	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	222026	173.077	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	716255	99.346	ng	0.00
79) Terphenyl-d14	20.192	244	1220184	107.446	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.617	88	52472	43.611	ng	# 51
3) Pyridine	4.040	79	134301	37.066	ng	99
4) n-Nitrosodimethylamine	3.940	42	74064	46.009	ng	99
6) Aniline	7.589	93	173063	36.619	ng	98
8) 2-Chlorophenol	7.836	128	146430	50.545	ng	99
9) Benzaldehyde	7.401	77	75328	30.560	ng	99
10) Phenol	7.442	94	174314	43.107	ng	97
11) bis(2-Chloroethyl)ether	7.677	93	146731	48.069	ng	98
12) 1,3-Dichlorobenzene	8.165	146	151813	48.028	ng	98
13) 1,4-Dichlorobenzene	8.312	146	153072	47.411	ng	98
14) 1,2-Dichlorobenzene	8.635	146	148191	47.672	ng	97
15) Benzyl Alcohol	8.511	79	151828	50.256	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.799	45	234277	46.897	ng	99
17) 2-Methylphenol	8.711	107	135256	47.295	ng	99
18) Hexachloroethane	9.369	117	55611	48.371	ng	98
19) n-Nitroso-di-n-propyla...	9.081	70	132367	44.153	ng	99
20) 3+4-Methylphenols	9.040	107	183172	44.720	ng	99
22) Acetophenone	9.105	105	237032	51.706	ng	# 97
24) Nitrobenzene	9.493	77	182716	49.972	ng	98
25) Isophorone	10.010	82	367115	51.759	ng	98
26) 2-Nitrophenol	10.204	139	85420	53.348	ng	97
27) 2,4-Dimethylphenol	10.251	122	155333	62.141	ng	97
28) bis(2-Chloroethoxy)met...	10.486	93	205397	57.356	ng	99
29) 2,4-Dichlorophenol	10.744	162	146878	54.773	ng	99
30) 1,2,4-Trichlorobenzene	10.961	180	134757	49.238	ng	99
31) Naphthalene	11.155	128	462205	48.320	ng	100
32) Benzoic acid	10.362	122	31998	19.624	ng	97
33) 4-Chloroaniline	11.255	127	100253	24.515	ng	98
34) Hexachlorobutadiene	11.432	225	78353	50.106	ng	97
35) Caprolactam	12.031	113	50924m	40.917	ng	
36) 4-Chloro-3-methylphenol	12.354	107	179991	53.342	ng	99
37) 2-Methylnaphthalene	12.736	142	331792	48.109	ng	100
38) 1-Methylnaphthalene	12.953	142	320235	47.066	ng	98
40) 1,2,4,5-Tetrachloroben...	13.100	216	154654	54.338	ng	99
41) Hexachlorocyclopentadiene	13.077	237	162082	117.558	ng	98
43) 2,4,6-Trichlorophenol	13.329	196	118811	56.520	ng	99

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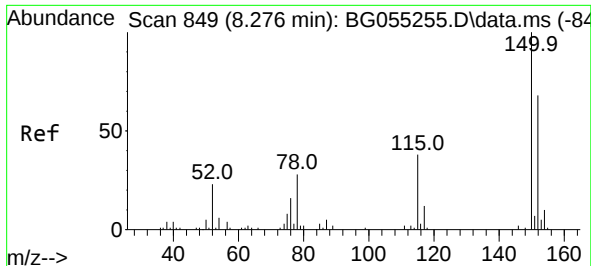
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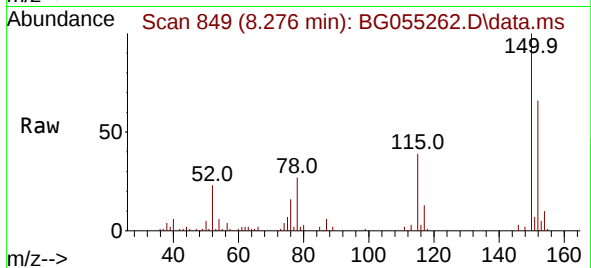
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.406	196	130504	56.129	ng	99
46) 1,1'-Biphenyl	13.723	154	451748	55.816	ng	98
47) 2-Chloronaphthalene	13.776	162	335618	52.586	ng	100
48) 2-Nitroaniline	13.970	65	136210	54.572	ng	98
49) Acenaphthylene	14.610	152	572169	51.933	ng	98
50) Dimethylphthalate	14.328	163	484261	52.267	ng	100
51) 2,6-Dinitrotoluene	14.451	165	103760	55.036	ng	98
52) Acenaphthene	14.951	154	388257m	55.286	ng	
53) 3-Nitroaniline	14.781	138	93458	39.440	ng	97
54) 2,4-Dinitrophenol	14.992	184	78009	71.138	ng	96
55) Dibenzofuran	15.280	168	547449	51.960	ng	99
56) 4-Nitrophenol	15.086	139	178759	105.473	ng	98
57) 2,4-Dinitrotoluene	15.239	165	149037	54.474	ng	93
58) Fluorene	15.926	166	447621	51.060	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.503	232	112930	54.481	ng	99
60) Diethylphthalate	15.679	149	508174	51.562	ng	99
61) 4-Chlorophenyl-phenyle...	15.909	204	219320	54.441	ng	99
62) 4-Nitroaniline	15.944	138	125074	50.228	ng	100
63) Azobenzene	16.202	77	506393	52.742	ng	99
65) 4,6-Dinitro-2-methylph...	15.997	198	67111	46.712	ng	99
66) n-Nitrosodiphenylamine	16.120	169	401688	55.221	ng	99
67) 4-Bromophenyl-phenylether	16.802	248	143778	56.627	ng	95
68) Hexachlorobenzene	16.925	284	158955	55.369	ng	98
69) Atrazine	17.054	200	154292	62.378	ng	99
70) Pentachlorophenol	17.266	266	177625	108.582	ng	98
71) Phenanthrene	17.660	178	733905	52.656	ng	99
72) Anthracene	17.753	178	742865	54.520	ng	99
73) Carbazole	18.018	167	723702	55.222	ng	99
74) Di-n-butylphthalate	18.547	149	906827	55.355	ng	99
75) Fluoranthene	19.651	202	849033	52.278	ng	99
77) Benzidine	19.816	184	282539	49.456	ng	99
78) Pyrene	20.010	202	853959	52.802	ng	99
80) Butylbenzylphthalate	20.868	149	405782	53.096	ng	98
81) Benzo(a)anthracene	21.878	228	799348	50.450	ng	98
82) 3,3'-Dichlorobenzidine	21.778	252	227176	44.024	ng	99
83) Chrysene	21.943	228	748562	49.737	ng	99
84) Bis(2-ethylhexyl)phtha...	21.749	149	587199	53.786	ng	98
85) Di-n-octyl phthalate	23.012	149	984763	54.144	ng	100
87) Indeno(1,2,3-cd)pyrene	29.211	276	952264	51.198	ng	99
88) Benzo(b)fluoranthene	24.211	252	846687	55.894	ng	98
89) Benzo(k)fluoranthene	24.281	252	808644	52.867	ng	99
90) Benzo(a)pyrene	25.139	252	738994	56.889	ng	100
91) Dibenzo(a,h)anthracene	29.269	278	822251	53.870	ng	99
92) Benzo(g,h,i)perylene	30.445	276	814669	53.811	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.000 min
Lab File: BG055262.D
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Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

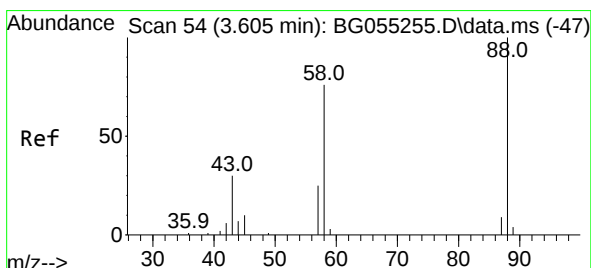
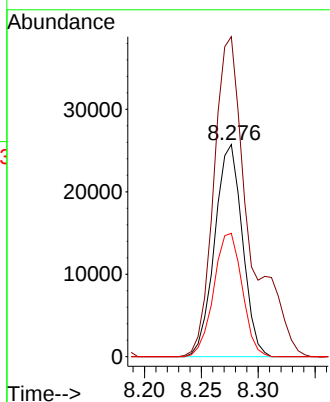
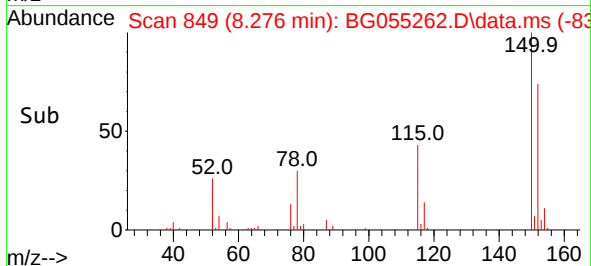


Tgt Ion:152 Resp: 43632
Ion Ratio Lower Upper
152 100
150 150.8 118.2 177.4
115 58.1 44.5 66.7

Manual Integrations
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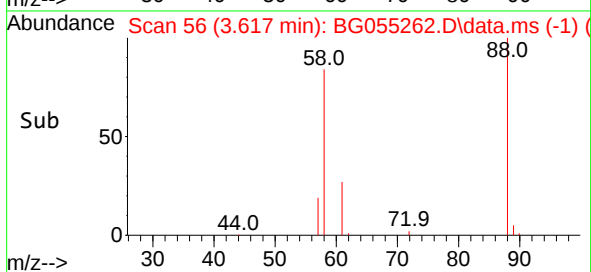
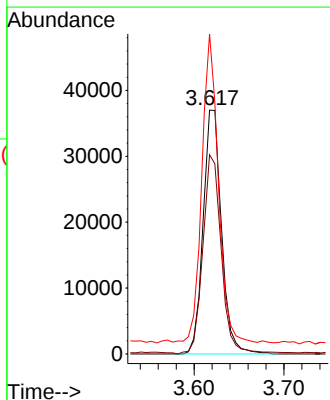
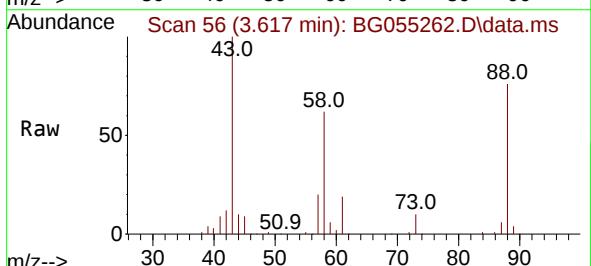
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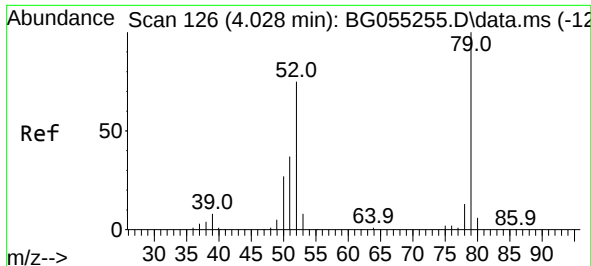
Supervised By :mohammad
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#2
1,4-Dioxane
Concen: 43.611 ng
RT: 3.617 min Scan# 56
Delta R.T. 0.012 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion: 88 Resp: 52472
Ion Ratio Lower Upper
88 100
58 82.8 61.0 91.6
43 113.0 21.5 32.3#





#3
Pyridine
Concen: 37.066 ng
RT: 4.040 min Scan# 110
Delta R.T. 0.012 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

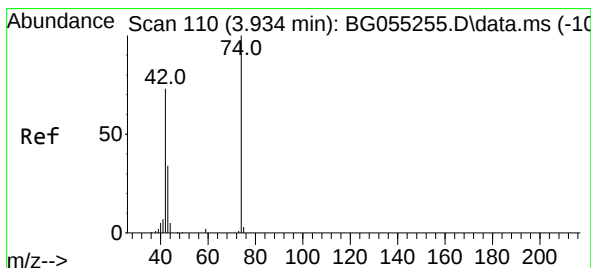
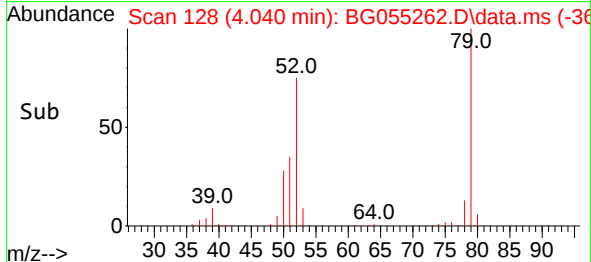
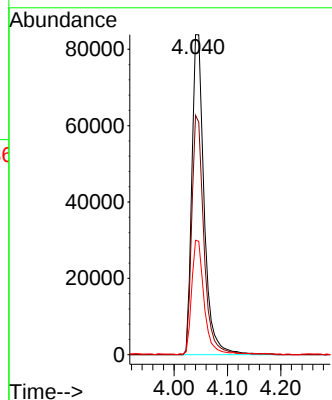
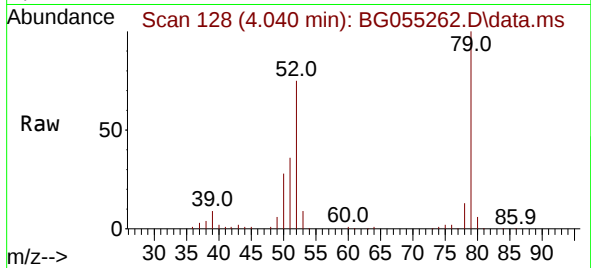
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

Tgt Ion: 79 Resp: 13430
Ion Ratio Lower Upper
79 100
52 74.8 59.9 89.9
51 35.8 30.3 45.5

Manual Integrations
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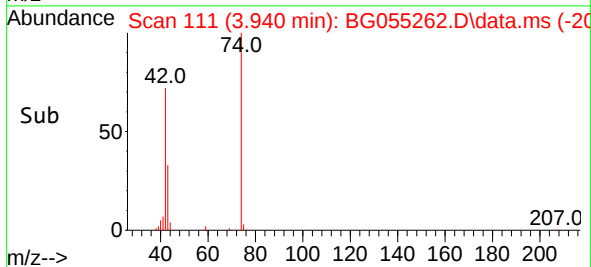
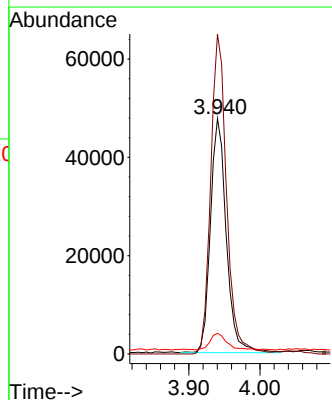
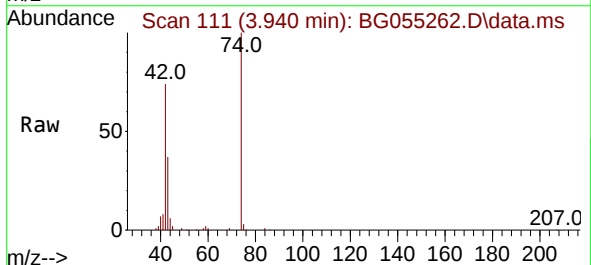
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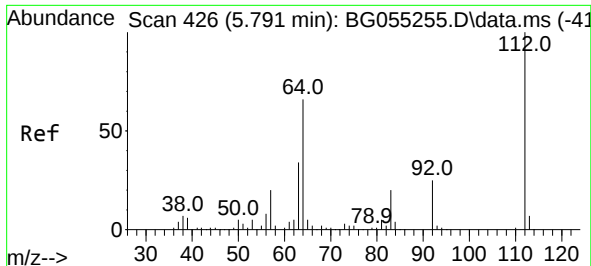
Supervised By :mohammad
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10/27/2022



#4
n-Nitrosodimethylamine
Concen: 46.009 ng
RT: 3.940 min Scan# 111
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion: 42 Resp: 74064
Ion Ratio Lower Upper
42 100
74 135.9 109.8 164.6
44 8.7 6.5 9.7





#5
2-Fluorophenol
Concen: 148.770 ng
RT: 5.803 min Scan# 41
Delta R.T. 0.012 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

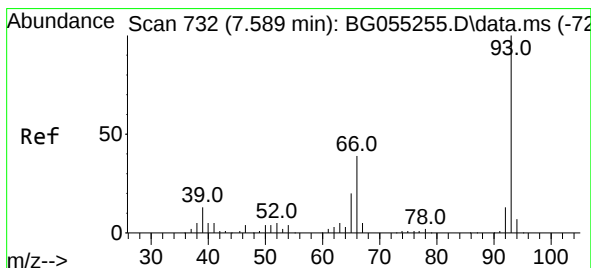
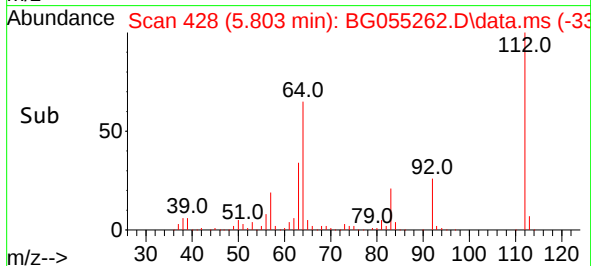
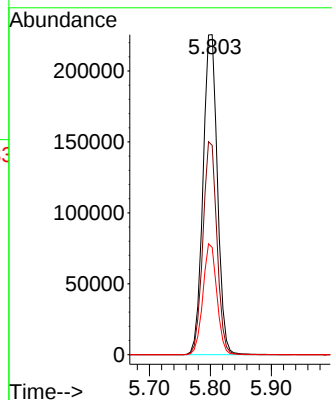
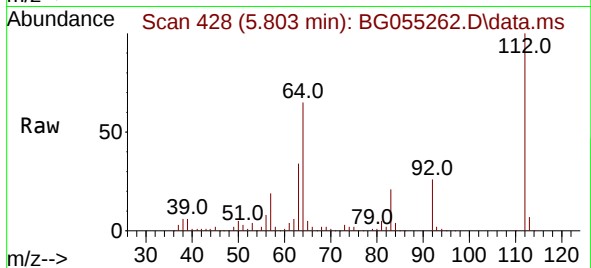
Instrument :
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Tgt Ion:112 Resp: 370710
Ion Ratio Lower Upper
112 100
64 65.4 52.6 78.8
63 33.5 27.1 40.7

Manual Integrations
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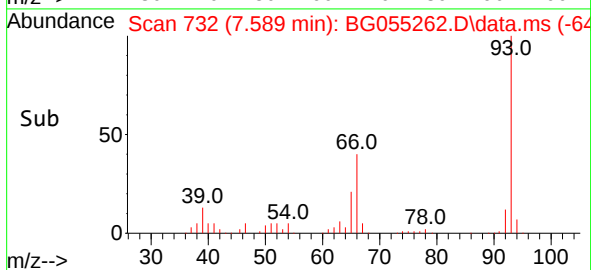
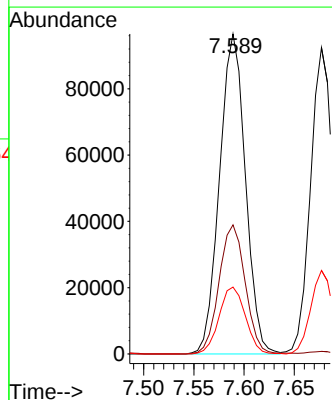
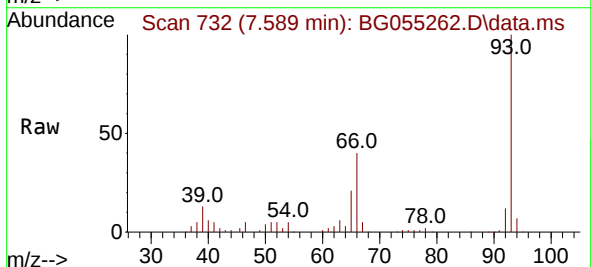
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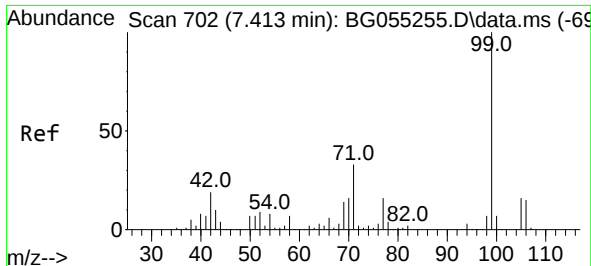
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10/27/2022



#6
Aniline
Concen: 36.619 ng
RT: 7.589 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion: 93 Resp: 173063
Ion Ratio Lower Upper
93 100
66 40.4 31.6 47.4
65 20.9 16.0 24.0





#7
Phenol-d6
Concen: 130.450 ng
RT: 7.419 min Scan# 702
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

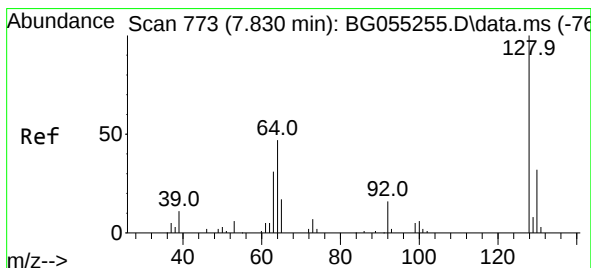
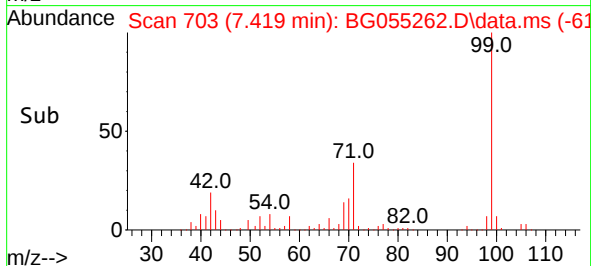
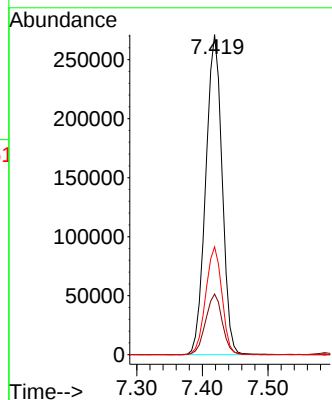
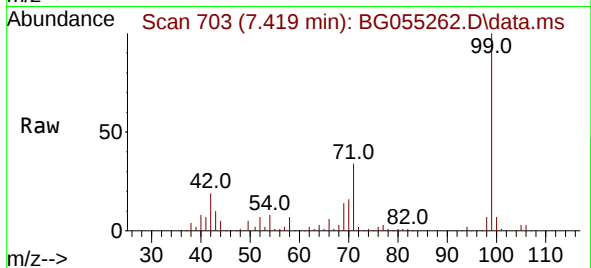
Instrument :
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Tgt Ion: 99 Resp: 47094
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 33.7 26.2 39.4

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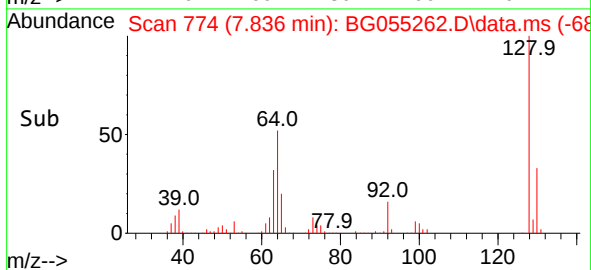
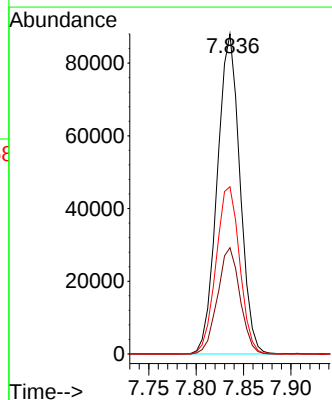
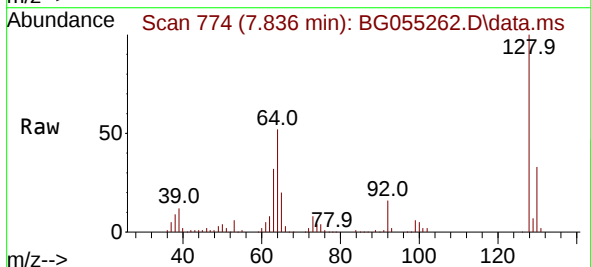
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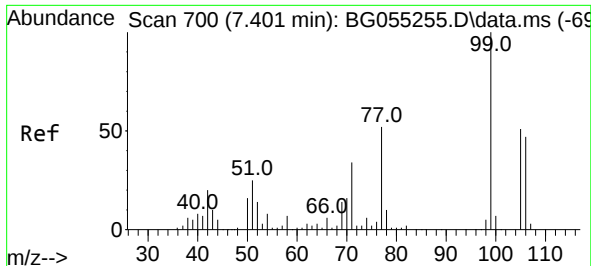
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ahmed
10/27/2022



#8
2-Chlorophenol
Concen: 50.545 ng
RT: 7.836 min Scan# 774
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

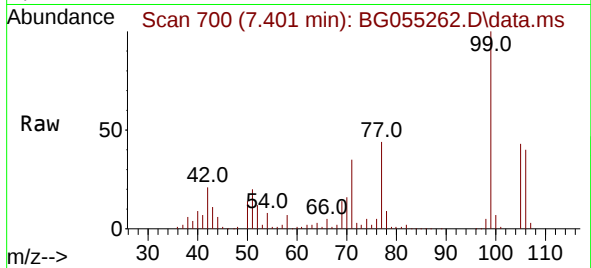
Tgt Ion:128 Resp: 146430
Ion Ratio Lower Upper
128 100
130 33.2 12.4 52.4
64 52.3 33.2 73.2





#9
Benzaldehyde
Concen: 30.560 ng
RT: 7.401 min Scan# 700
Delta R.T. 0.000 min
Lab File: BG055262.D
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Instrument :
BNA_G
ClientSampleId :
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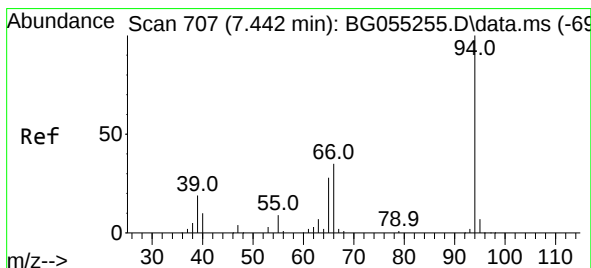
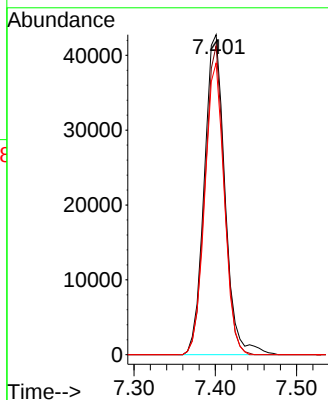


Tgt Ion: 77 Resp: 75328
Ion Ratio Lower Upper
77 100
105 96.6 77.9 117.9
106 91.2 69.9 109.9

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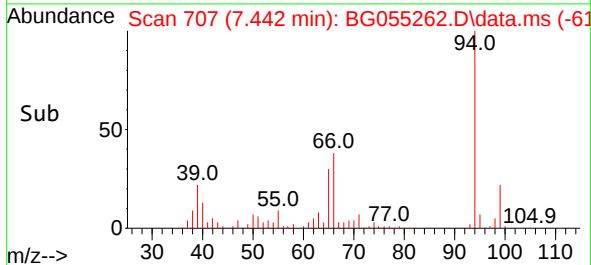
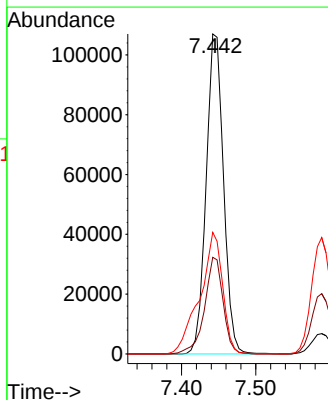
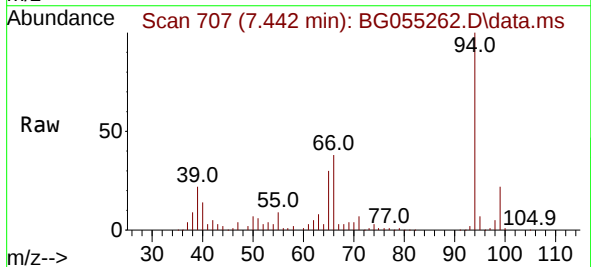
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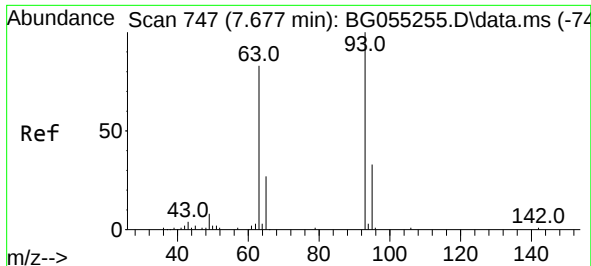
Supervised By :mohammad
ahmed
10/27/2022



#10
Phenol
Concen: 43.107 ng
RT: 7.442 min Scan# 707
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

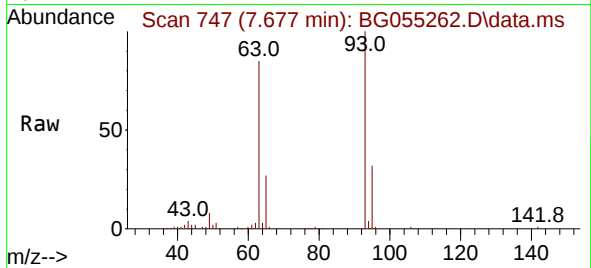
Tgt Ion: 94 Resp: 174314
Ion Ratio Lower Upper
94 100
65 30.2 8.4 48.4
66 38.0 16.3 56.3





#11
bis(2-Chloroethyl)ether
Concen: 48.069 ng
RT: 7.677 min Scan# 747
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

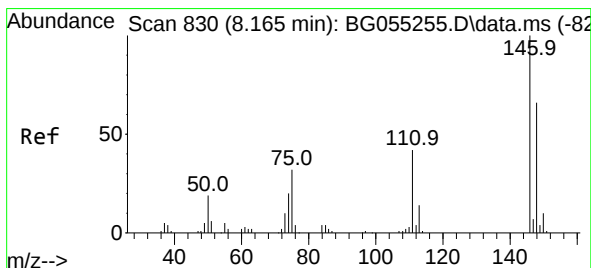
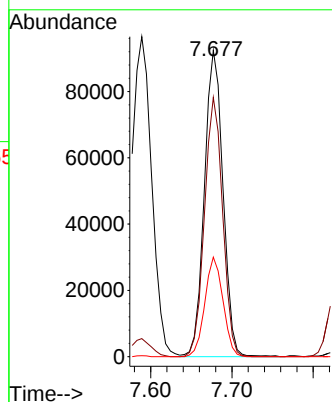


Tgt Ion: 93 Resp: 14673
Ion Ratio Lower Upper
93 100
63 84.6 62.0 102.0
95 32.5 12.4 52.4

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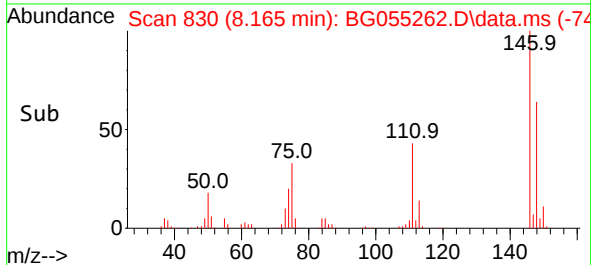
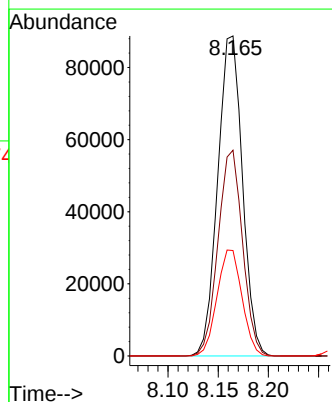
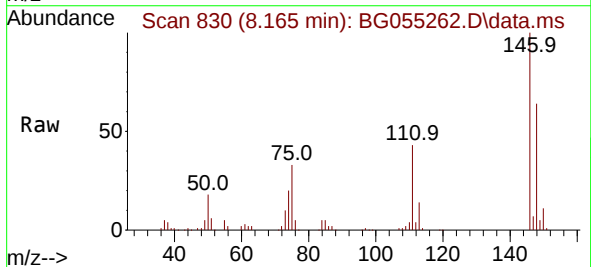
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

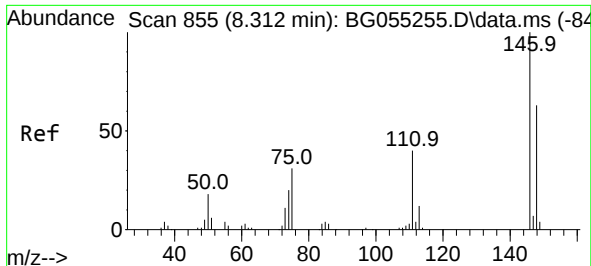
Supervised By :mohammad
ahmed
10/27/2022



#12
1,3-Dichlorobenzene
Concen: 48.028 ng
RT: 8.165 min Scan# 830
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

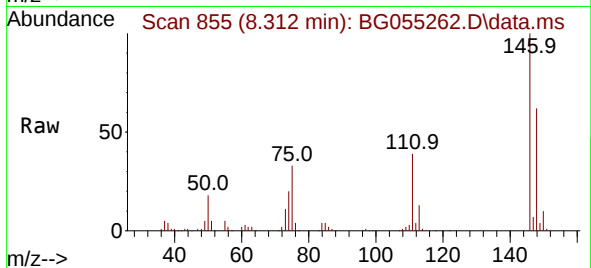
Tgt Ion:146 Resp: 151813
Ion Ratio Lower Upper
146 100
148 64.3 52.9 79.3
75 33.0 25.8 38.6





#13
1,4-Dichlorobenzene
Concen: 47.411 ng
RT: 8.312 min Scan# 811
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

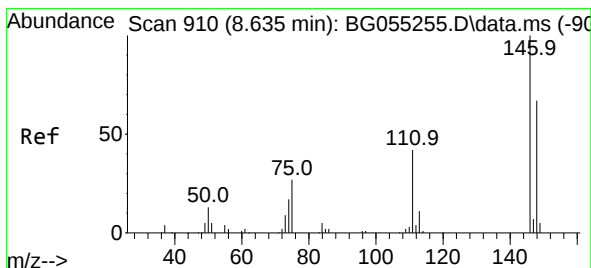
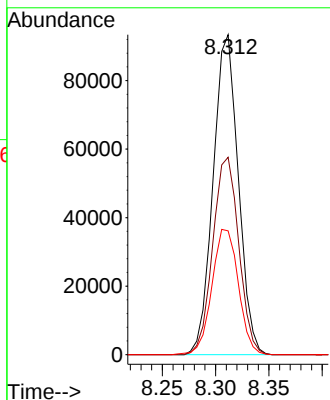


Tgt Ion:146 Resp: 153072
Ion Ratio Lower Upper
146 100
148 61.7 50.5 75.7
111 38.7 32.4 48.6

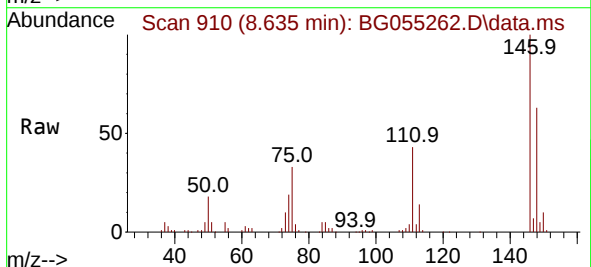
Manual Integrations
APPROVED

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

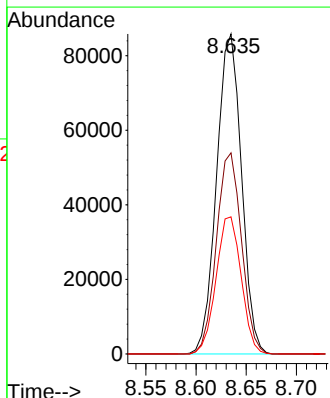
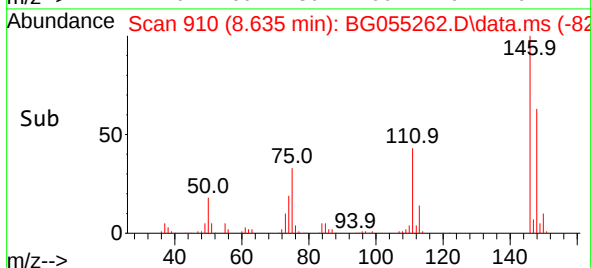
Supervised By :mohammad
ahmed
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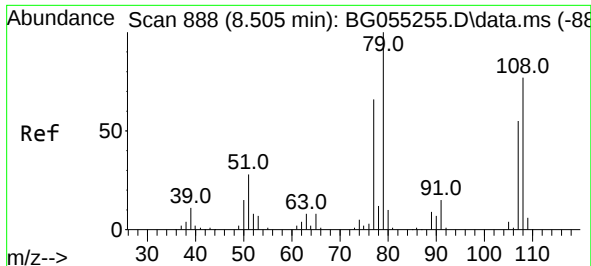


#14
1,2-Dichlorobenzene
Concen: 47.672 ng
RT: 8.635 min Scan# 910
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



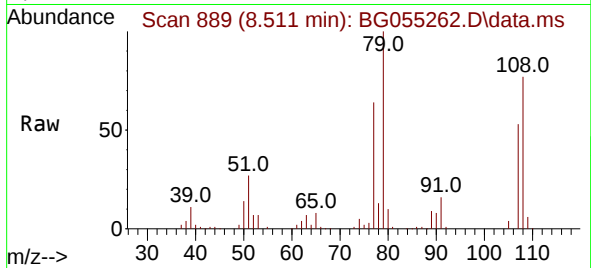
Tgt Ion:146 Resp: 148191
Ion Ratio Lower Upper
146 100
148 62.9 53.4 80.0
111 42.8 34.0 51.0





#15
Benzyl Alcohol
Concen: 50.256 ng
RT: 8.511 min Scan# 889
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

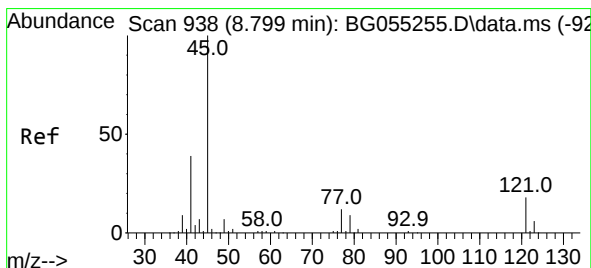
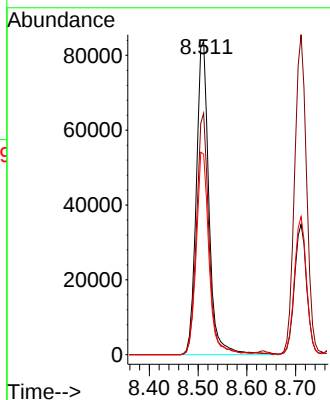


Tgt Ion: 79 Resp: 151828
Ion Ratio Lower Upper
79 100
108 77.0 61.3 91.9
77 63.9 52.7 79.1

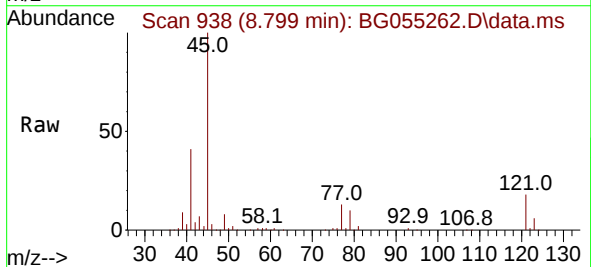
Manual Integrations
APPROVED

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

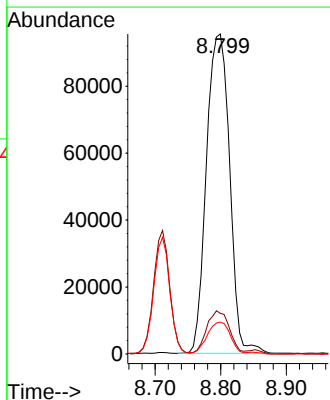
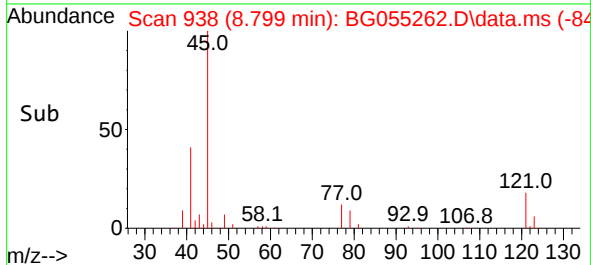
Supervised By :mohammad
ahmed
10/27/2022

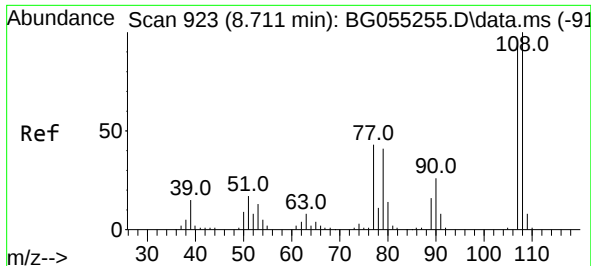


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.897 ng
RT: 8.799 min Scan# 938
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



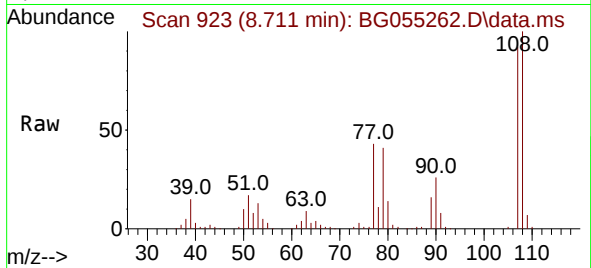
Tgt Ion: 45 Resp: 234277
Ion Ratio Lower Upper
45 100
77 12.7 0.0 32.9
79 9.9 0.0 29.6





#17
2-Methylphenol
Concen: 47.295 ng
RT: 8.711 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

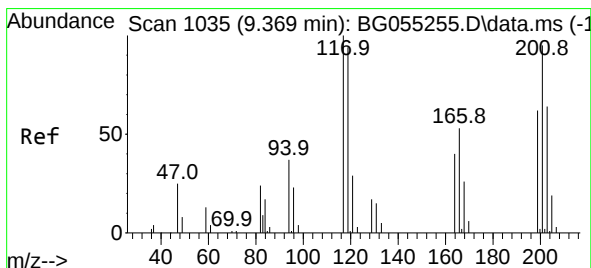
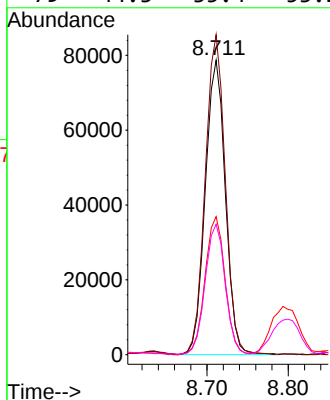


Tgt Ion:107 Resp: 135250
Ion Ratio Lower Upper
107 100
108 108.7 86.0 129.0
77 46.9 37.4 56.0
79 44.3 35.4 53.2

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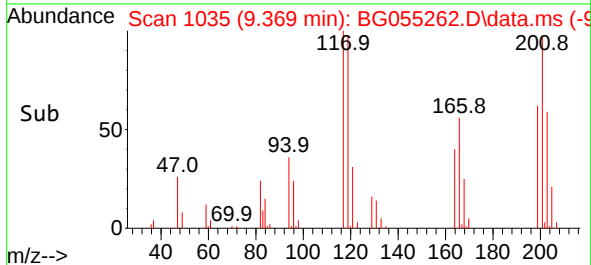
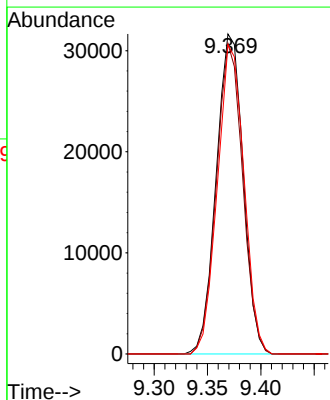
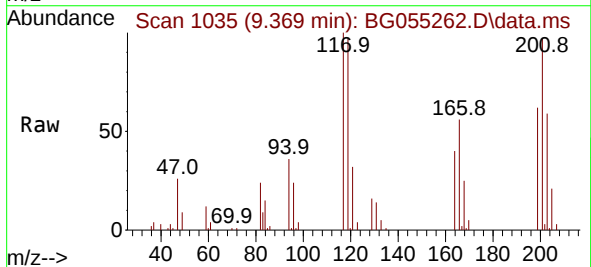
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

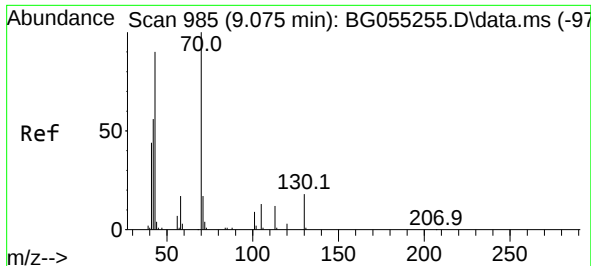
Supervised By :mohammad
ahmed
10/27/2022



#18
Hexachloroethane
Concen: 48.371 ng
RT: 9.369 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

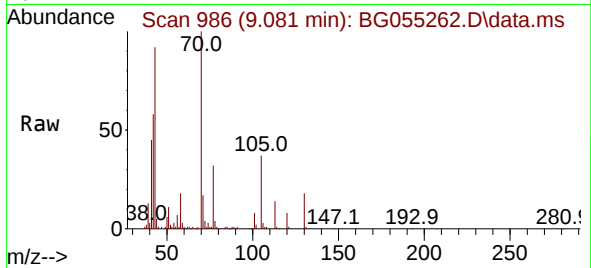
Tgt Ion:117 Resp: 55611
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.2
201 96.6 75.8 113.8





#19
n-Nitroso-di-n-propylamine
Concen: 44.153 ng
RT: 9.081 min Scan# 986
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

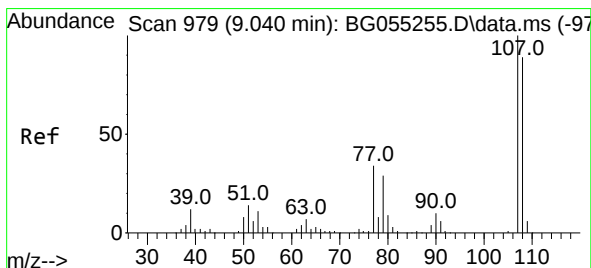
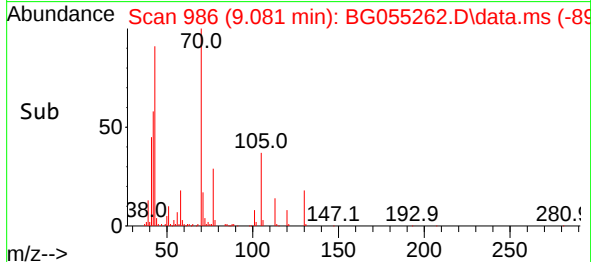
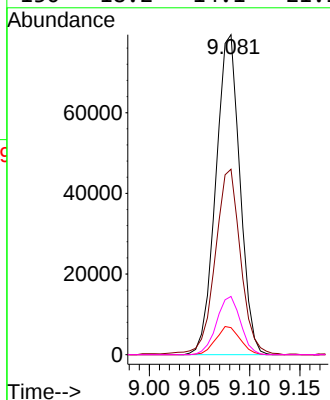


Tgt Ion: 70 Resp: 13236
Ion Ratio Lower Upper
70 100
42 58.0 45.8 68.6
101 8.5 7.4 11.0
130 18.2 14.1 21.1

Manual Integrations
APPROVED

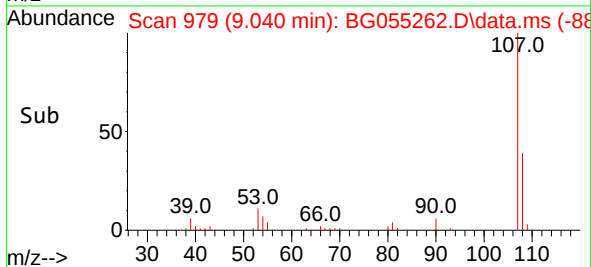
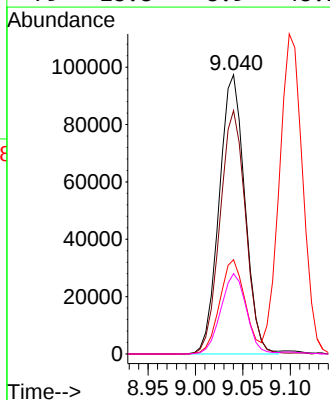
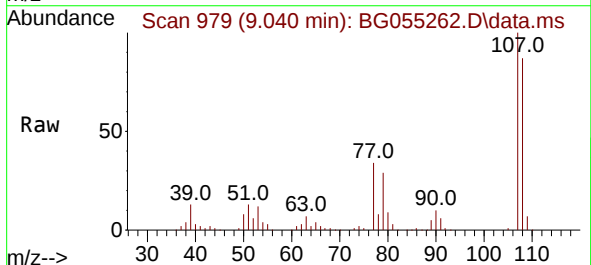
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

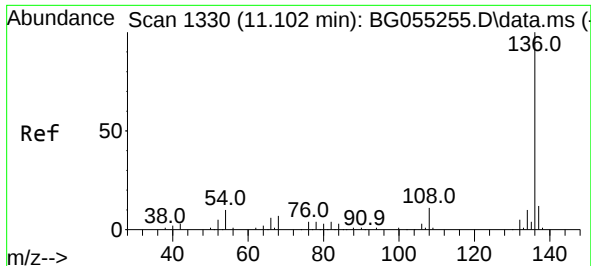
Supervised By :mohammad
ahmed
10/27/2022



#20
3+4-Methylphenols
Concen: 44.720 ng
RT: 9.040 min Scan# 979
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

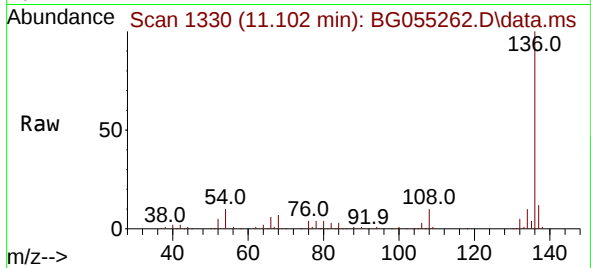
Tgt Ion:107 Resp: 183172
Ion Ratio Lower Upper
107 100
108 87.2 68.5 108.5
77 33.7 14.0 54.0
79 28.8 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

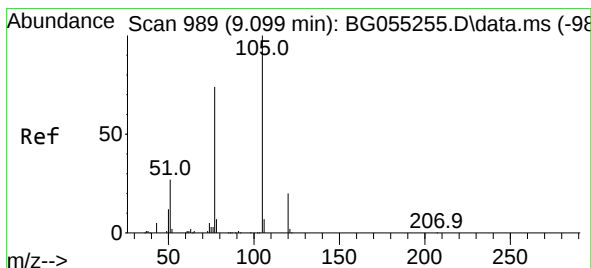
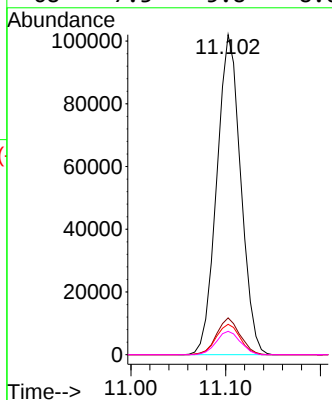


Tgt Ion:136 Resp: 179310
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 9.5 7.8 11.8
68 7.3 5.8 8.6

Manual Integrations
APPROVED

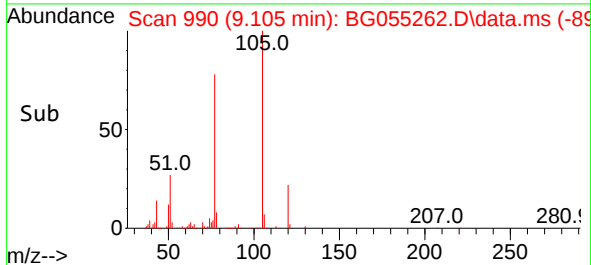
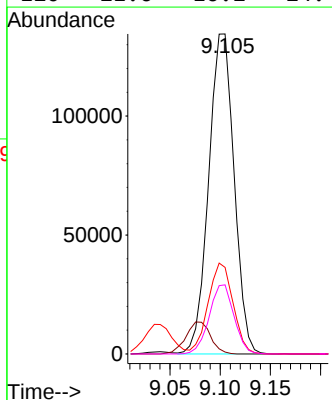
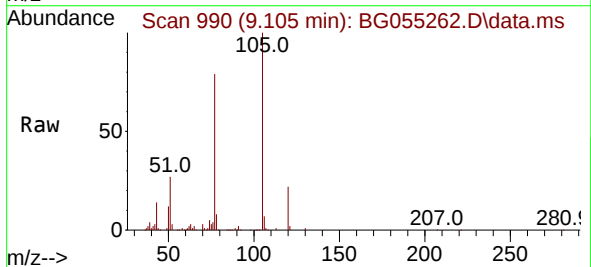
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

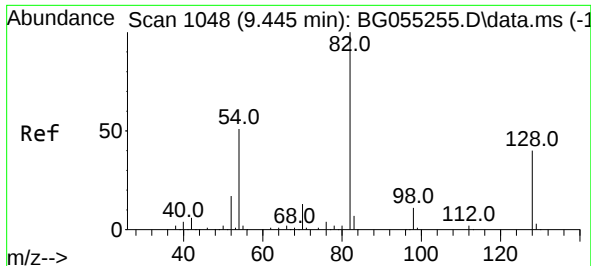
Supervised By :mohammad
ahmed
10/27/2022



#22
Acetophenone
Concen: 51.706 ng
RT: 9.105 min Scan# 990
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion:105 Resp: 237032
Ion Ratio Lower Upper
105 100
71 0.6 0.8 1.2#
51 27.1 22.9 34.3
120 21.6 16.2 24.4





#23

Nitrobenzene-d5

Concen: 96.892 ng

RT: 9.446 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG055262.D

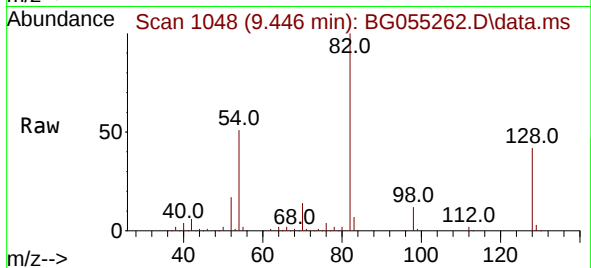
Acq: 24 Oct 2022 18:45

Instrument :

BNA_G

ClientSampleId :

SB-SOILPILE-1020MS



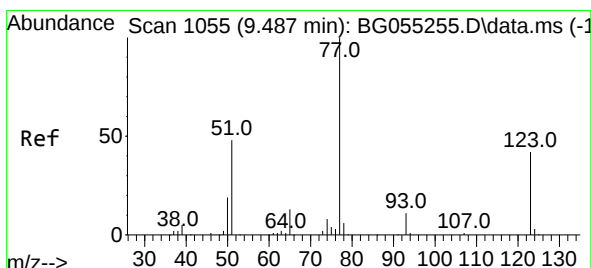
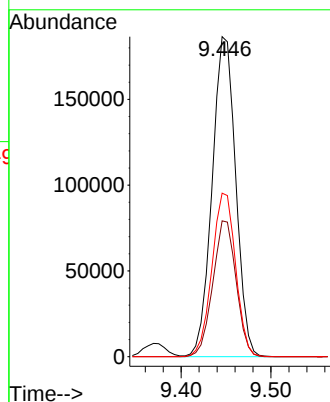
Tgt Ion:	82	Resp:	340239
Ion Ratio	100	Lower	Upper
82	100		
128	42.4	32.0	48.0
54	51.1	40.9	61.3

Manual Integrations

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

Supervised By :mohammad
ahmed
10/27/2022



#24

Nitrobenzene

Concen: 49.972 ng

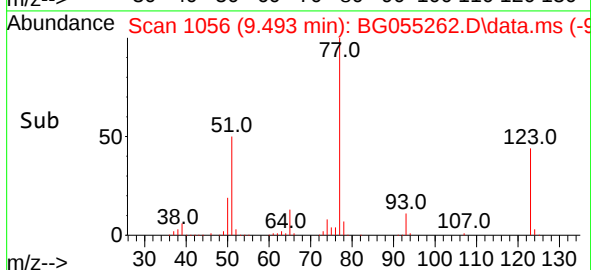
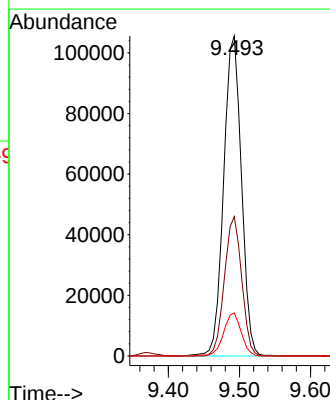
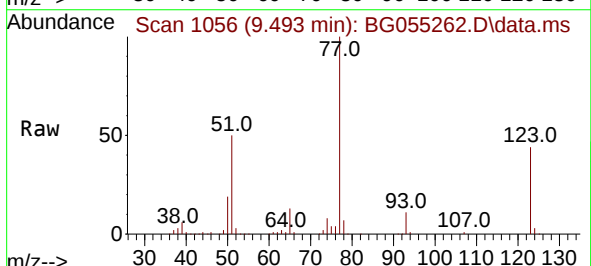
RT: 9.493 min Scan# 1056

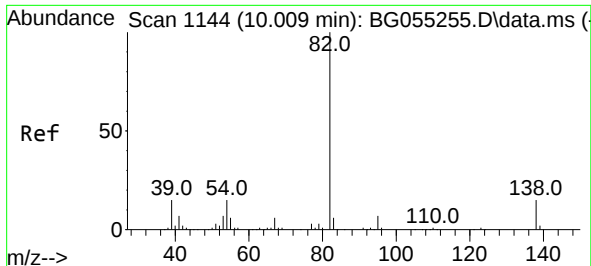
Delta R.T. 0.006 min

Lab File: BG055262.D

Acq: 24 Oct 2022 18:45

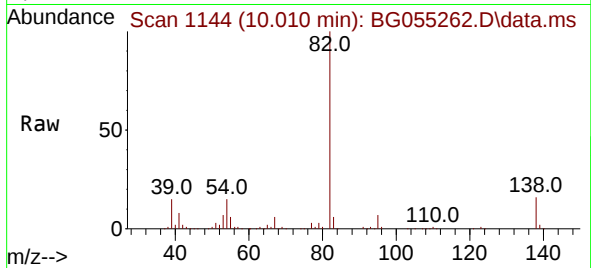
Tgt Ion:	77	Resp:	182716
Ion Ratio	100	Lower	Upper
77	100		
123	43.6	33.6	50.4
65	13.5	10.2	15.4





#25
Isophorone
Concen: 51.759 ng
RT: 10.010 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

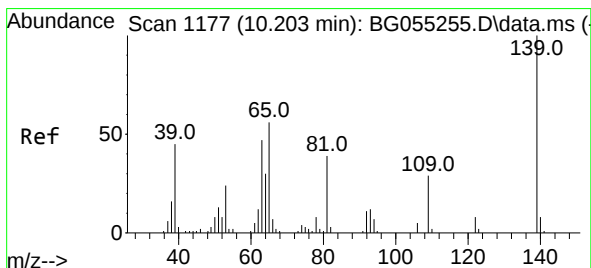
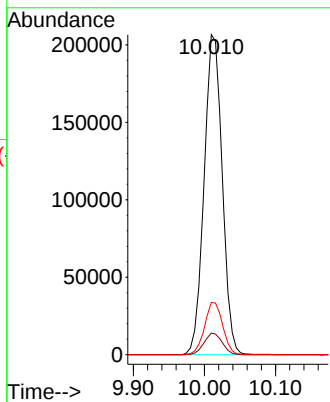
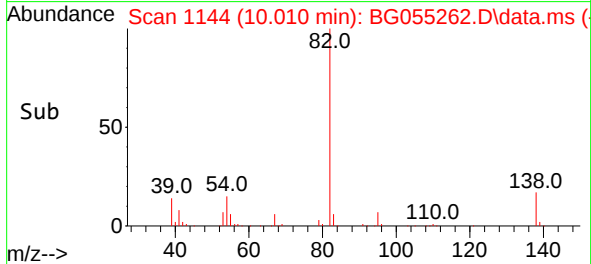


Tgt Ion: 82 Resp: 367111
Ion Ratio Lower Upper
82 100
95 6.8 5.2 7.8
138 16.3 12.2 18.4

Manual Integrations
APPROVED

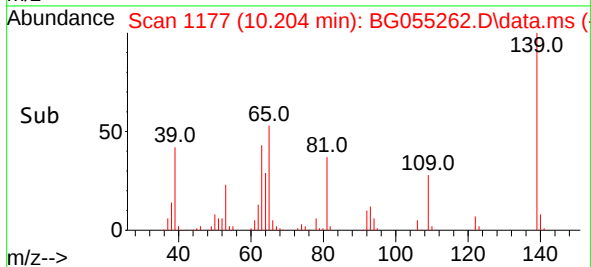
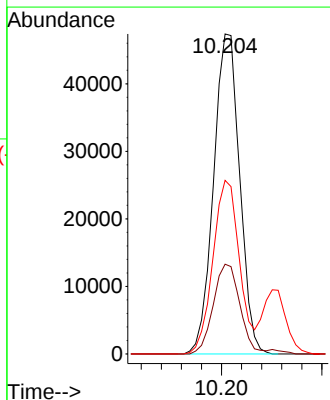
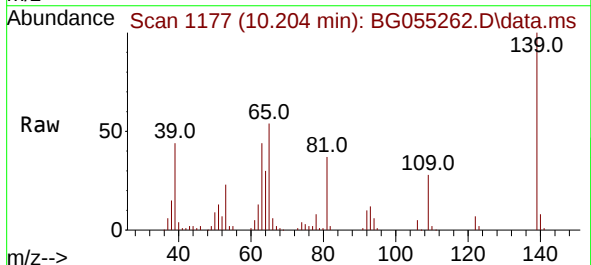
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

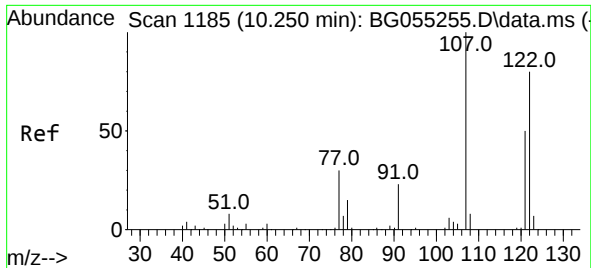
Supervised By :mohammad
ahmed
10/27/2022



#26
2-Nitrophenol
Concen: 53.348 ng
RT: 10.204 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

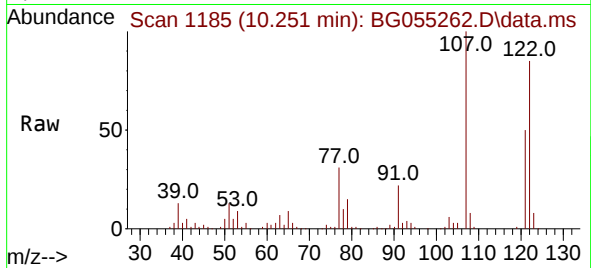
Tgt Ion:139 Resp: 85420
Ion Ratio Lower Upper
139 100
109 28.1 23.3 34.9
65 54.3 45.2 67.8





#27
2,4-Dimethylphenol
Concen: 62.141 ng
RT: 10.251 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

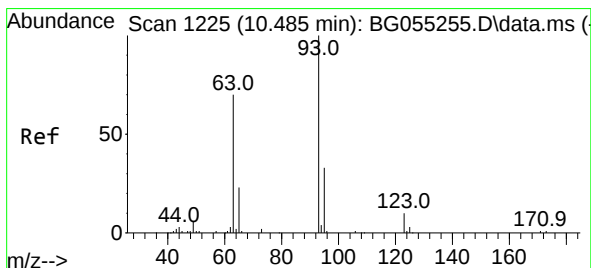
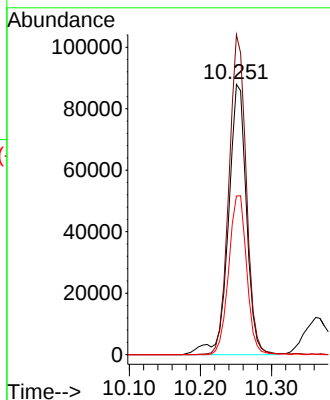
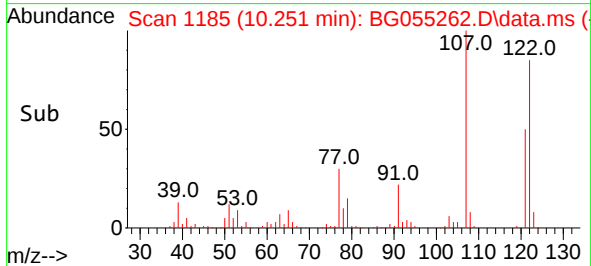


Tgt Ion:122 Resp: 15533
Ion Ratio Lower Upper
122 100
107 118.3 97.3 145.9
121 58.7 48.5 72.7

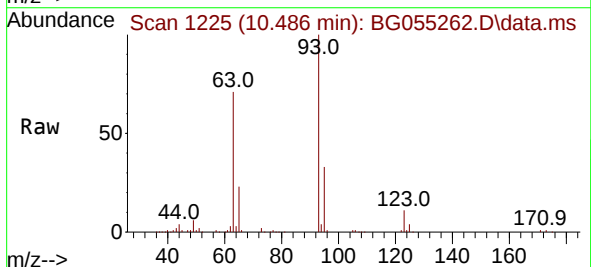
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

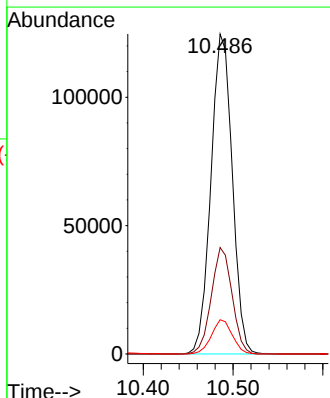
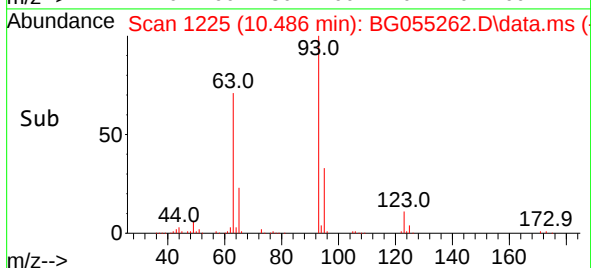
Supervised By :mohammad
ahmed
10/27/2022

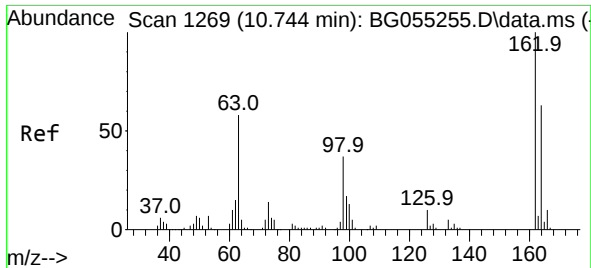


#28
bis(2-Chloroethoxy)methane
Concen: 57.356 ng
RT: 10.486 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



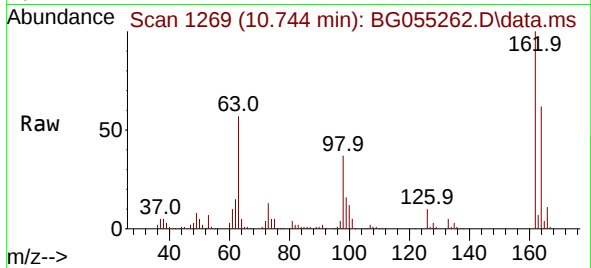
Tgt Ion: 93 Resp: 205397
Ion Ratio Lower Upper
93 100
95 33.2 26.3 39.5
123 10.7 7.9 11.9





#29
2,4-Dichlorophenol
Concen: 54.773 ng
RT: 10.744 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

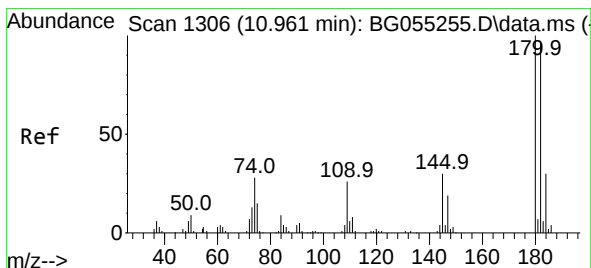
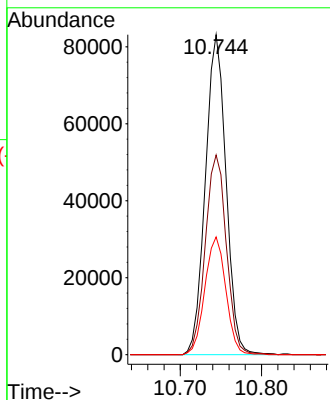


Tgt Ion:162 Resp: 146878
Ion Ratio Lower Upper
162 100
164 62.4 42.9 82.9
98 36.8 17.3 57.3

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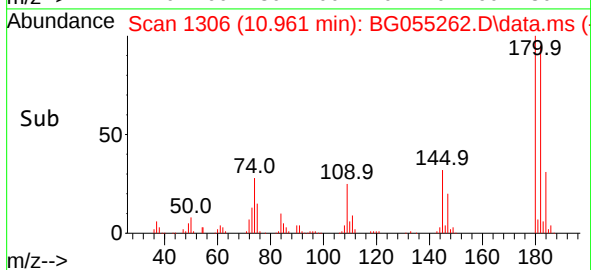
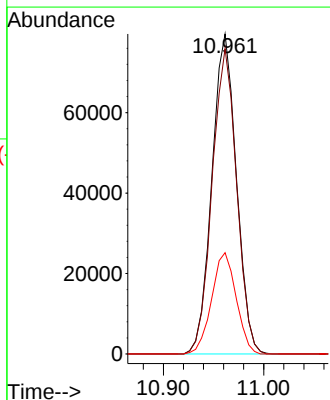
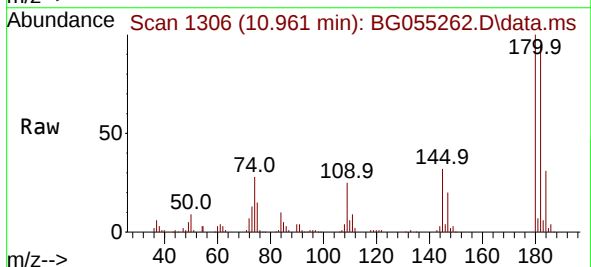
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

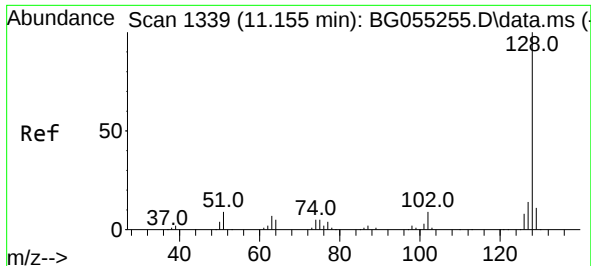
Supervised By :mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 49.238 ng
RT: 10.961 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

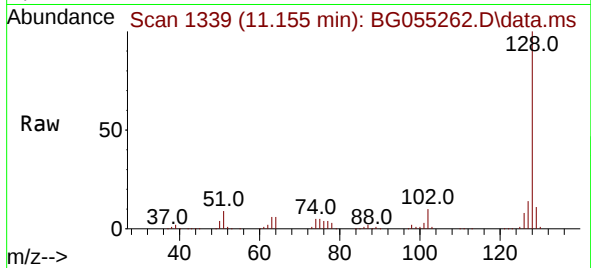
Tgt Ion:180 Resp: 134757
Ion Ratio Lower Upper
180 100
182 95.4 76.4 114.6
145 31.7 24.4 36.6





#31
Naphthalene
Concen: 48.320 ng
RT: 11.155 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

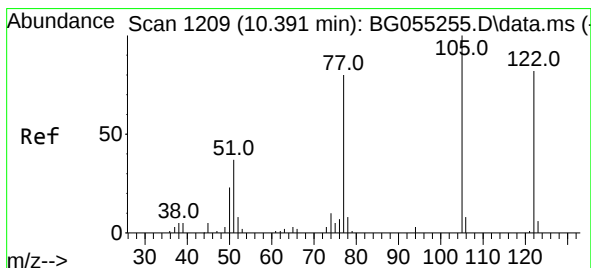
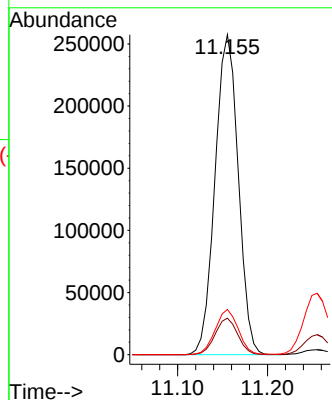


Tgt Ion:128 Resp: 46220
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 14.1 11.1 16.7

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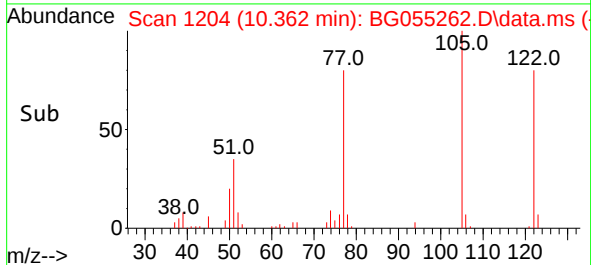
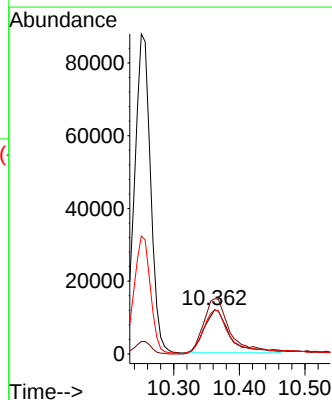
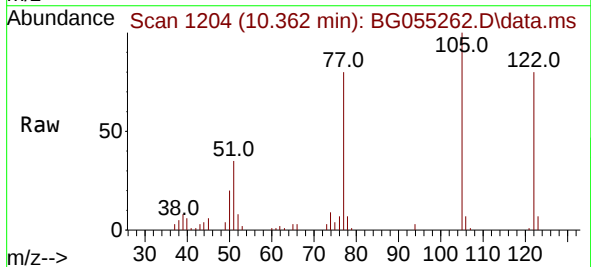
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

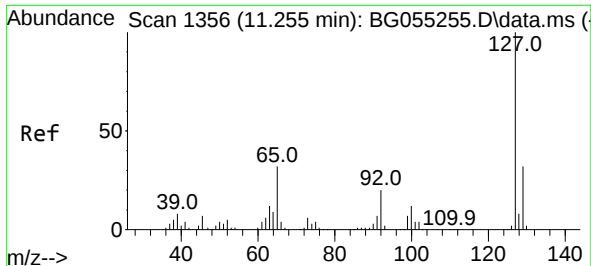
Supervised By :mohammad
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#32
Benzoic acid
Concen: 19.624 ng
RT: 10.362 min Scan# 1204
Delta R.T. -0.029 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

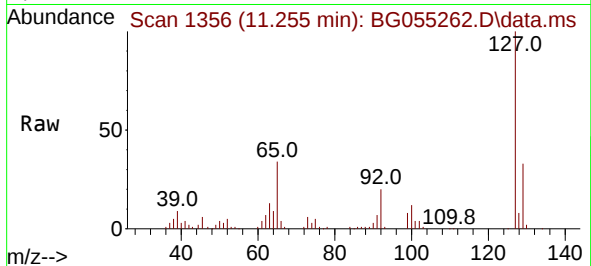
Tgt Ion:122 Resp: 31998
Ion Ratio Lower Upper
122 100
105 125.0 101.3 141.3
77 99.4 76.9 116.9





#33
4-Chloroaniline
Concen: 24.515 ng
RT: 11.255 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

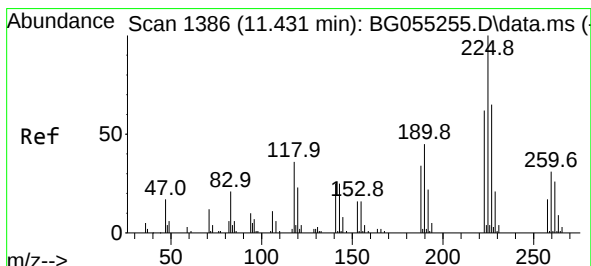
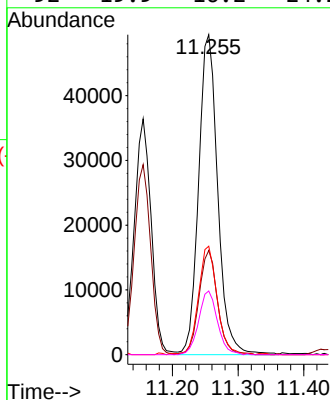
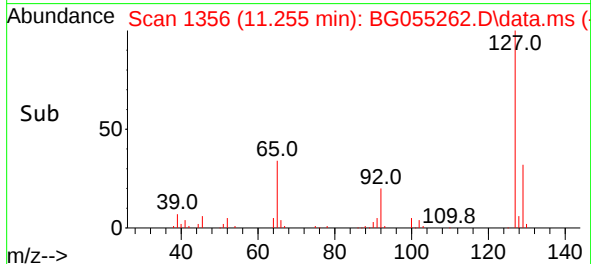


Tgt Ion:127 Resp: 10025
Ion Ratio Lower Upper
127 100
129 32.6 25.4 38.0
65 33.9 25.5 38.3
92 19.9 16.2 24.2

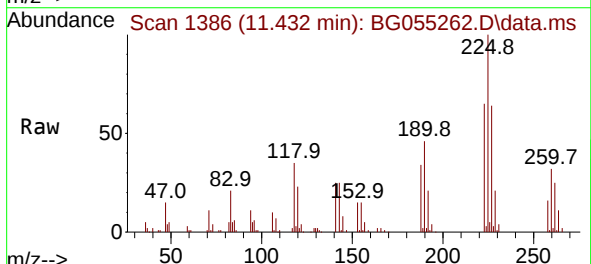
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Reviewed By :Christian Giraldo 10/25/2022
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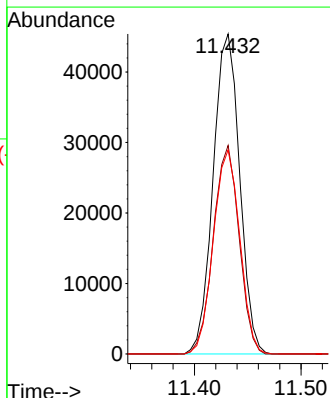
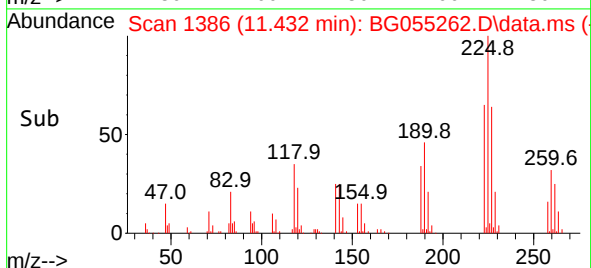
Supervised By :mohammad
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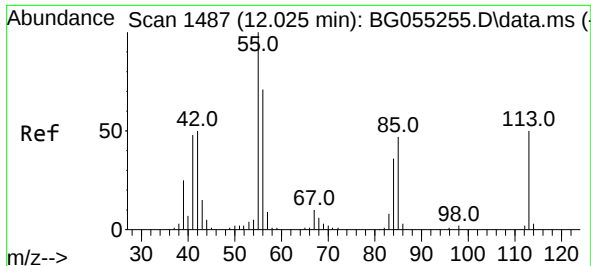


#34
Hexachlorobutadiene
Concen: 50.106 ng
RT: 11.432 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



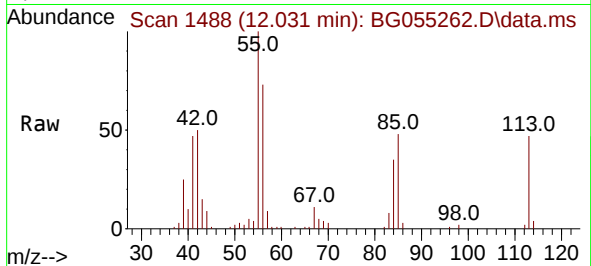
Tgt Ion:225 Resp: 78353
Ion Ratio Lower Upper
225 100
223 65.1 49.4 74.2
227 63.8 52.4 78.6





#35
Caprolactam
Concen: 40.917 ng m
RT: 12.031 min Scan# 1487
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

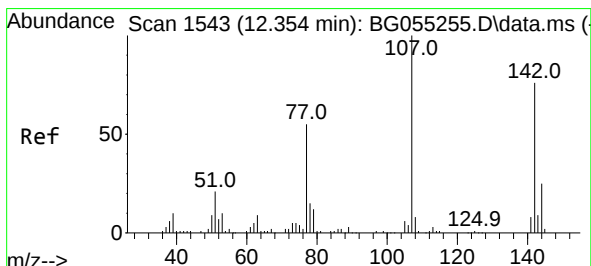
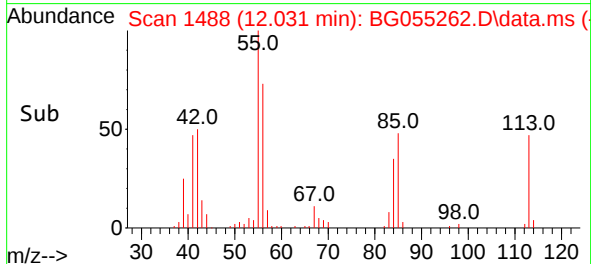
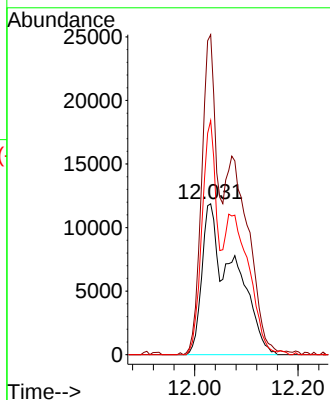


Tgt Ion:113 Resp: 50924
Ion Ratio Lower Upper
113 100
55 212.1 178.2 218.2
56 155.1 121.0 161.0

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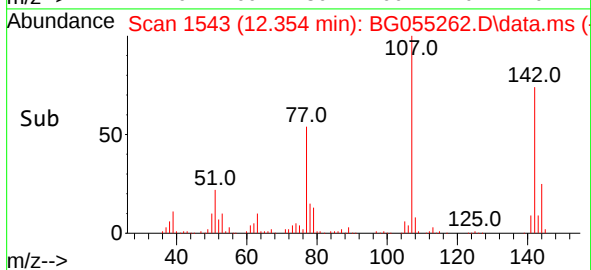
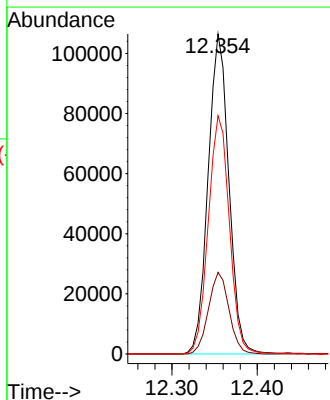
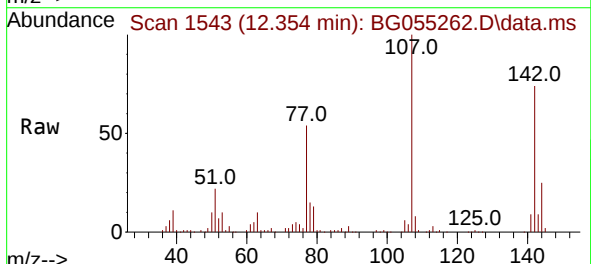
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

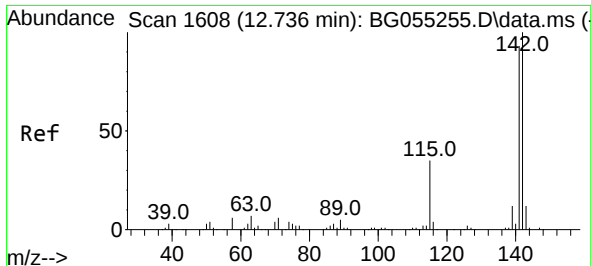
Supervised By :mohammad
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10/27/2022



#36
4-Chloro-3-methylphenol
Concen: 53.342 ng
RT: 12.354 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

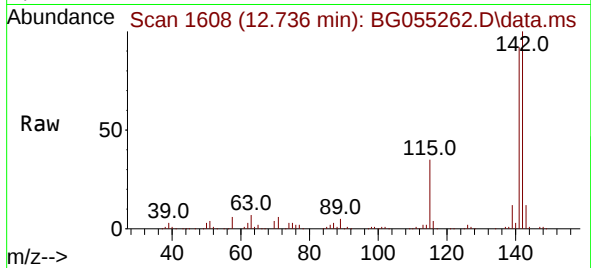
Tgt Ion:107 Resp: 179991
Ion Ratio Lower Upper
107 100
144 25.5 20.3 30.5
142 74.5 60.5 90.7





#37
2-Methylnaphthalene
Concen: 48.109 ng
RT: 12.736 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

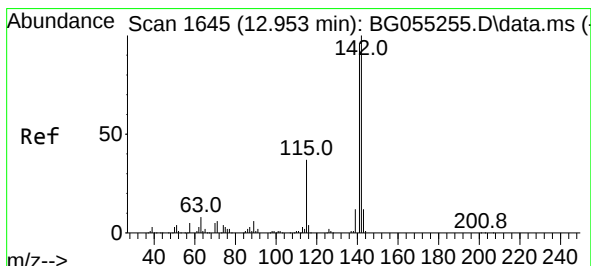
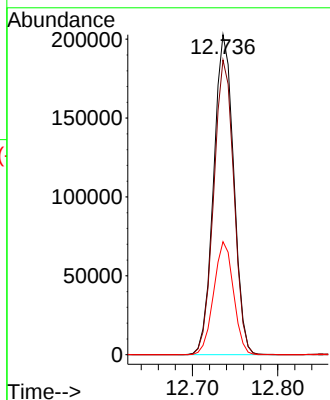


Tgt Ion:142 Resp: 331792
Ion Ratio Lower Upper
142 100
141 92.1 74.0 111.0
115 35.3 28.3 42.5

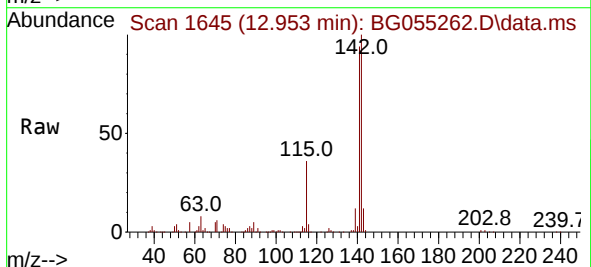
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

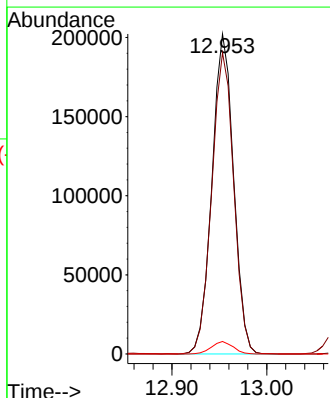
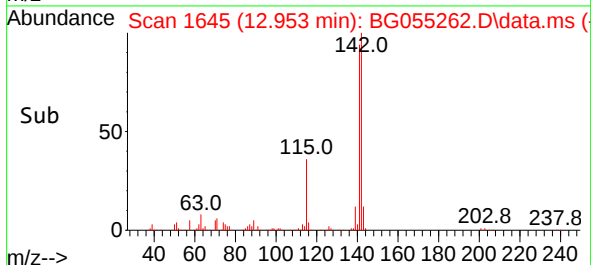
Supervised By :mohammad
ahmed
10/27/2022

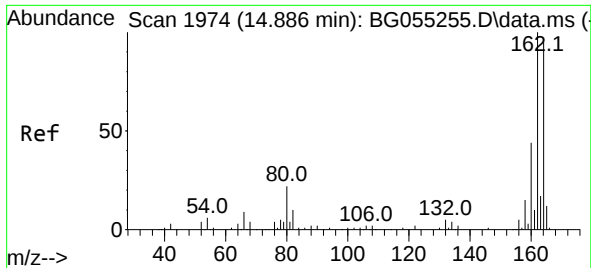


#38
1-Methylnaphthalene
Concen: 47.066 ng
RT: 12.953 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



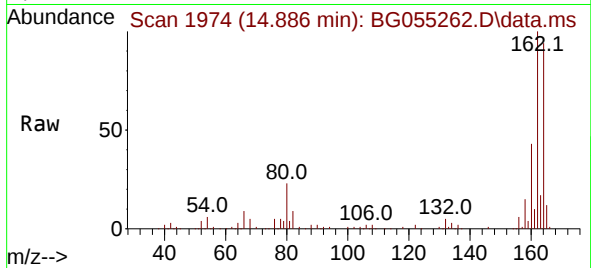
Tgt Ion:142 Resp: 320235
Ion Ratio Lower Upper
142 100
141 94.1 77.1 115.7
116 3.9 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

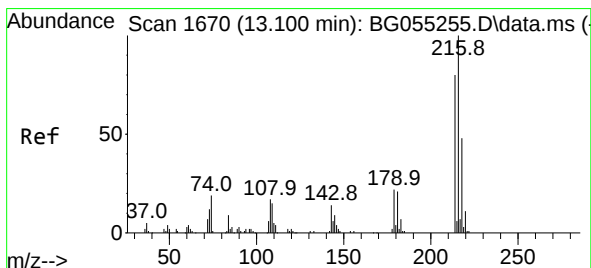
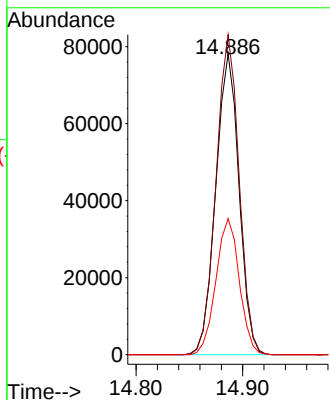


Tgt Ion:164 Resp: 118000
Ion Ratio Lower Upper
164 100
162 106.4 84.0 126.0
160 45.2 36.7 55.1

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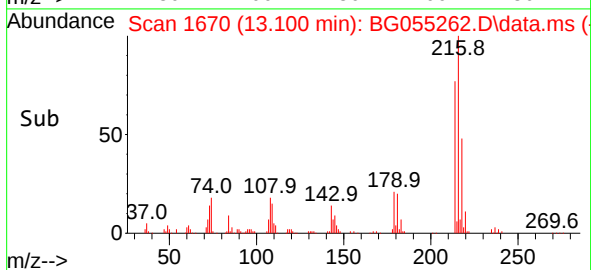
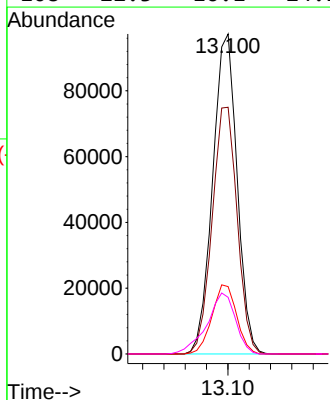
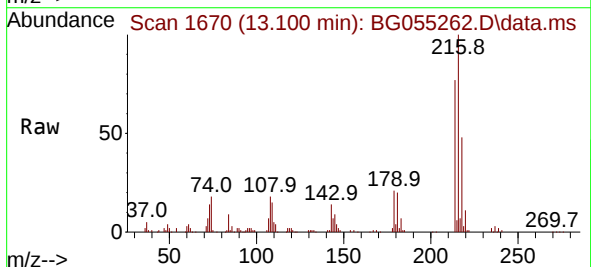
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

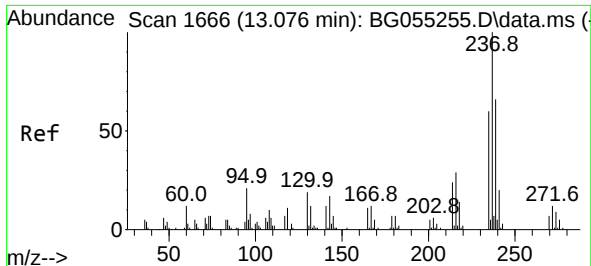
Supervised By :mohammad
ahmed
10/27/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.338 ng
RT: 13.100 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

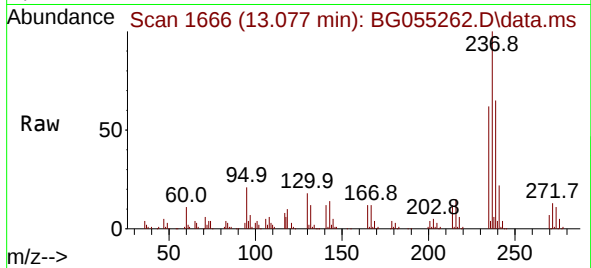
Tgt Ion:216 Resp: 154654
Ion Ratio Lower Upper
216 100
214 78.8 63.4 95.2
179 21.8 17.2 25.8
108 22.3 16.1 24.1





#41
Hexachlorocyclopentadiene
Concen: 117.558 ng
RT: 13.077 min Scan# 1666
Delta R.T. 0.001 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

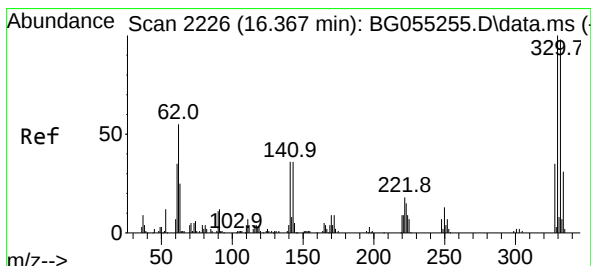
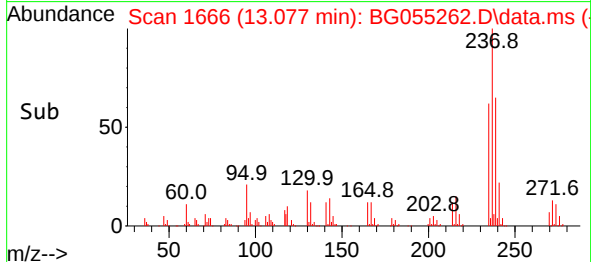
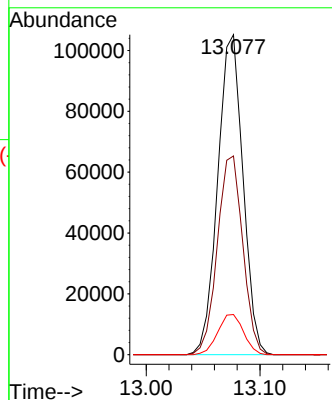


Tgt Ion: 237 Resp: 16208
Ion Ratio Lower Upper
237 100
235 62.1 40.4 80.4
272 12.6 0.0 31.7

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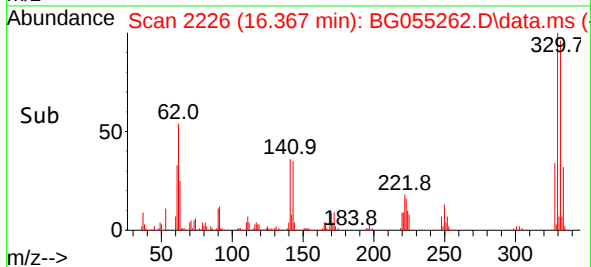
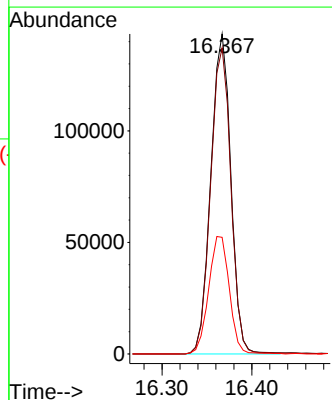
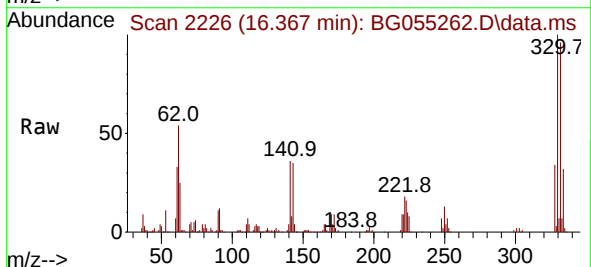
Reviewed By : Christian Giraldo 10/25/2022
Supervised By : mohammad ahmed 10/27/2022

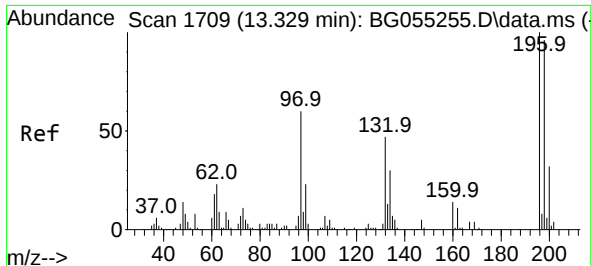
Supervised By : mohammad
ahmed
10/27/2022



#42
2,4,6-Tribromophenol
Concen: 173.077 ng
RT: 16.367 min Scan# 2226
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

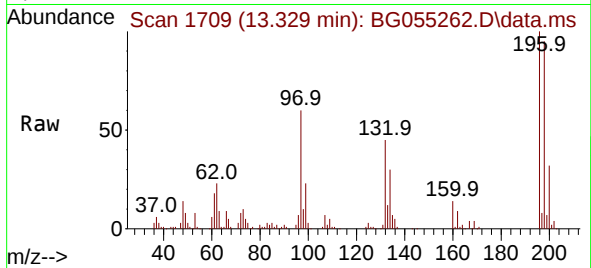
Tgt Ion: 330 Resp: 222026
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 37.9 29.8 44.8





#43
2,4,6-Trichlorophenol
Concen: 56.520 ng
RT: 13.329 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

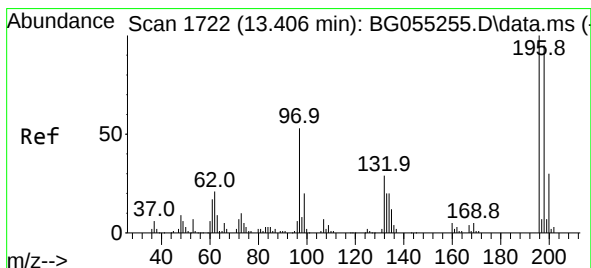
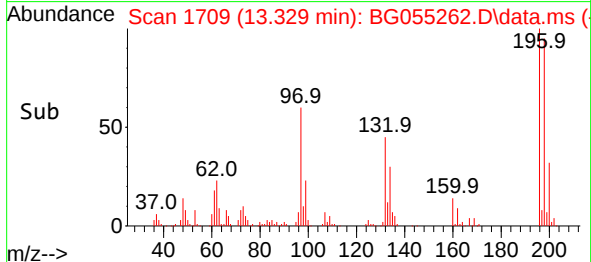
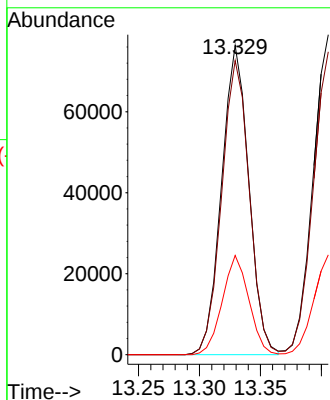


Tgt Ion:196 Resp: 11881
Ion Ratio Lower Upper
196 100
198 95.0 76.5 114.7
200 32.1 25.8 38.8

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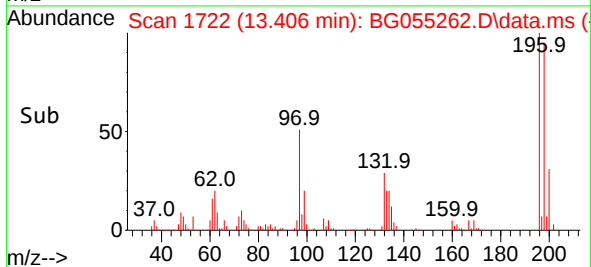
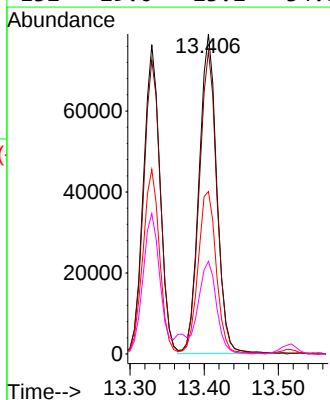
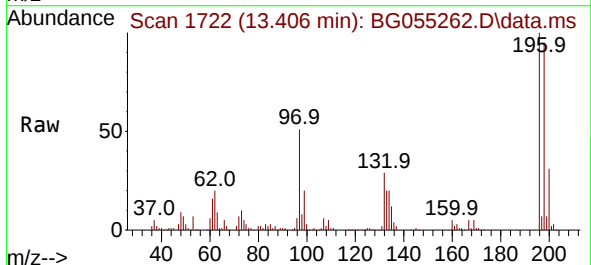
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

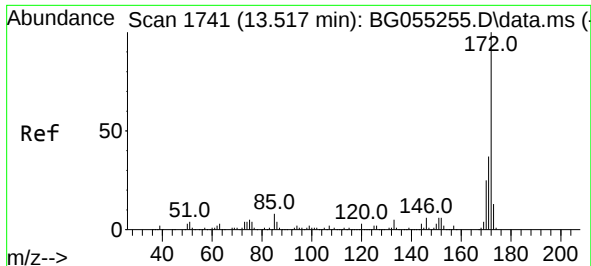
Supervised By :mohammad
ahmed
10/27/2022



#44
2,4,5-Trichlorophenol
Concen: 56.129 ng
RT: 13.406 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

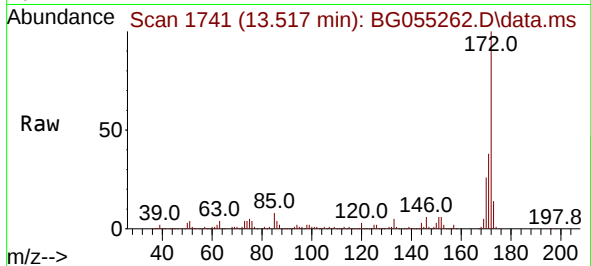
Tgt Ion:196 Resp: 130504
Ion Ratio Lower Upper
196 100
198 94.6 76.2 114.2
97 50.8 42.3 63.5
132 29.0 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 99.346 ng
RT: 13.517 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

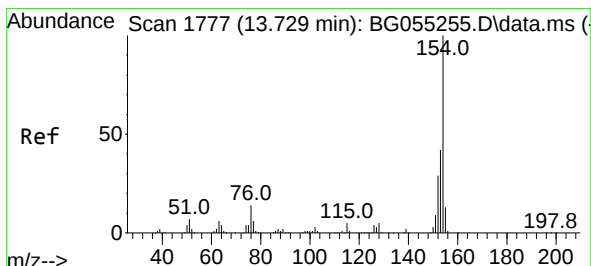
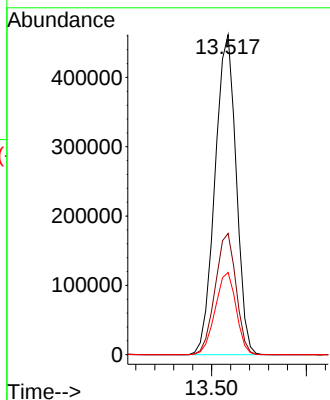
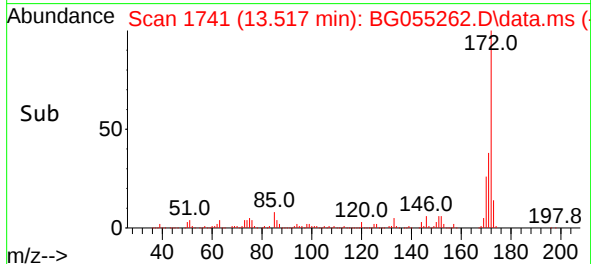


Tgt Ion:172 Resp: 71625
Ion Ratio Lower Upper
172 100
171 37.9 29.7 44.5
170 25.7 20.2 30.2

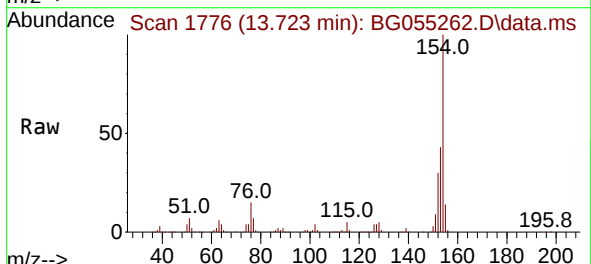
Manual Integrations
APPROVED

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

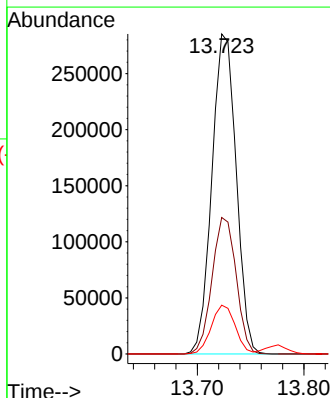
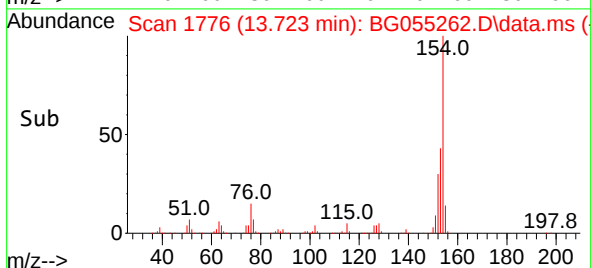
Supervised By :mohammad
ahmed
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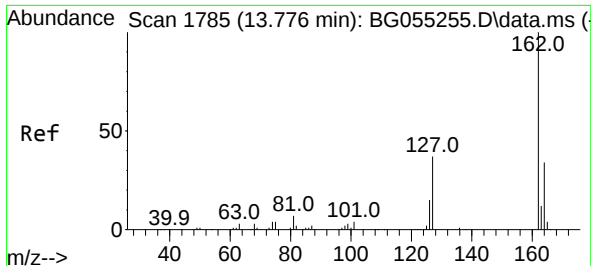


#46
1,1'-Biphenyl
Concen: 55.816 ng
RT: 13.723 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



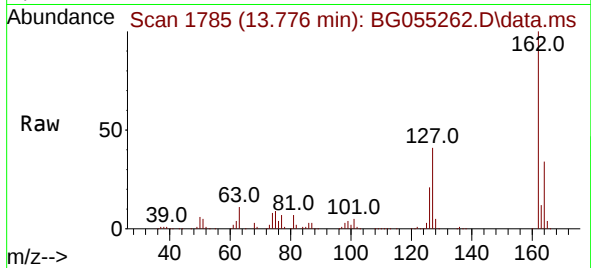
Tgt Ion:154 Resp: 451748
Ion Ratio Lower Upper
154 100
153 42.6 21.5 61.5
76 15.3 0.0 34.2





#47
2-Chloronaphthalene
Concen: 52.586 ng
RT: 13.776 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

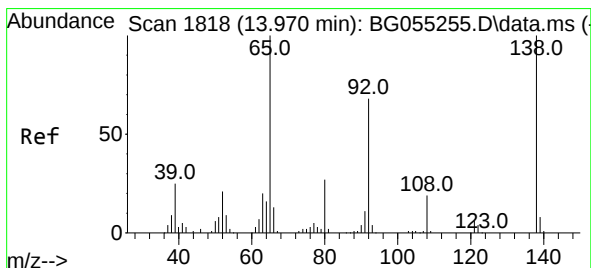
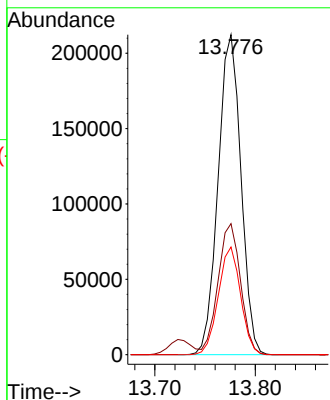


Tgt Ion:162 Resp: 335618
Ion Ratio Lower Upper
162 100
127 40.9 33.0 49.6
164 33.7 27.0 40.4

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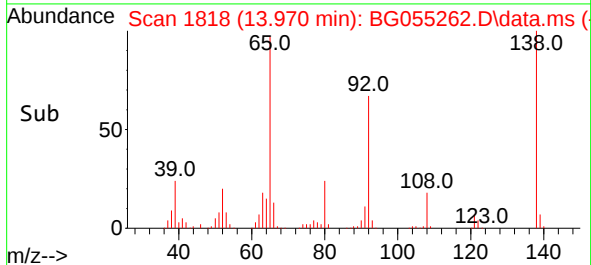
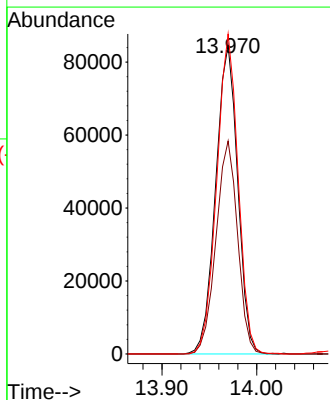
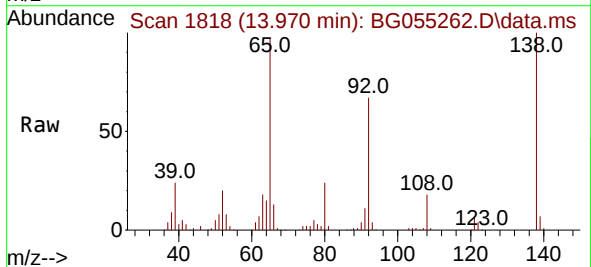
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

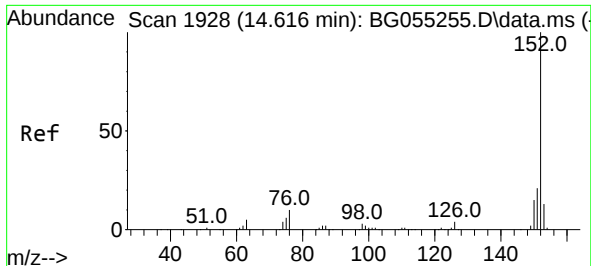
Supervised By :mohammad
ahmed
10/27/2022



#48
2-Nitroaniline
Concen: 54.572 ng
RT: 13.970 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

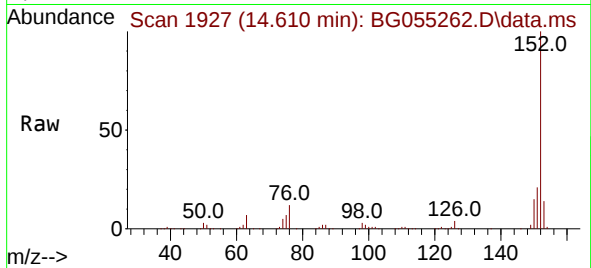
Tgt Ion: 65 Resp: 136210
Ion Ratio Lower Upper
65 100
92 69.0 54.6 82.0
138 103.6 80.2 120.4





#49
Acenaphthylene
Concen: 51.933 ng
RT: 14.610 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

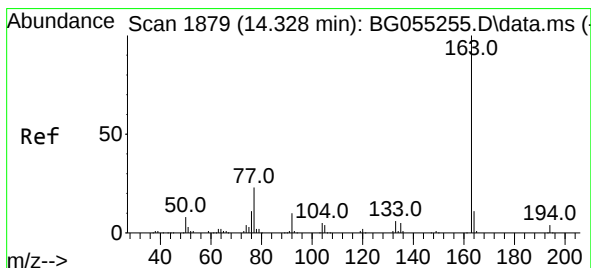
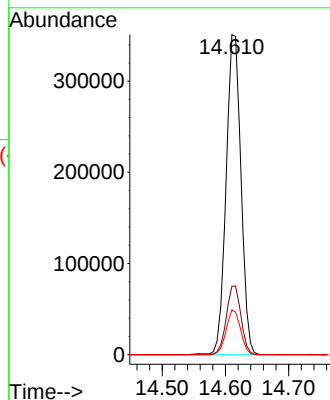
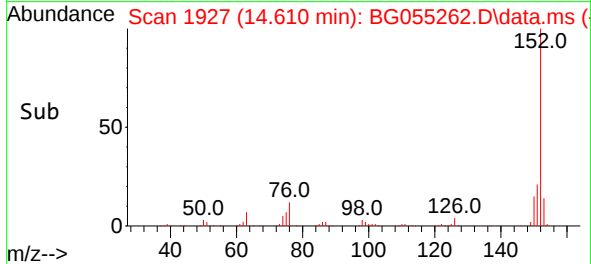


Tgt Ion:152 Resp: 572169
Ion Ratio Lower Upper
152 100
151 21.4 16.6 25.0
153 14.0 10.5 15.7

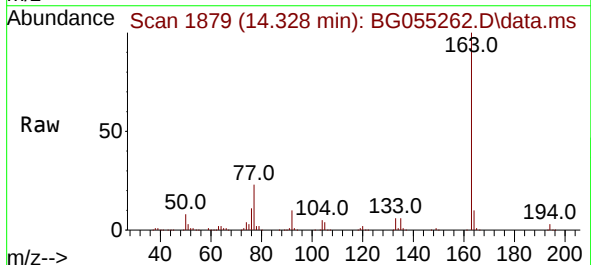
Manual Integrations
APPROVED

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

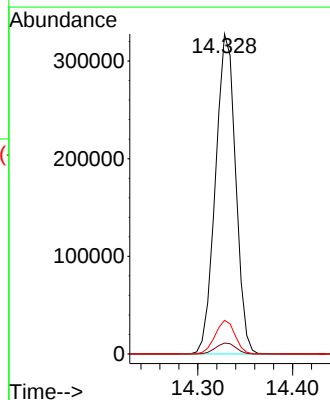
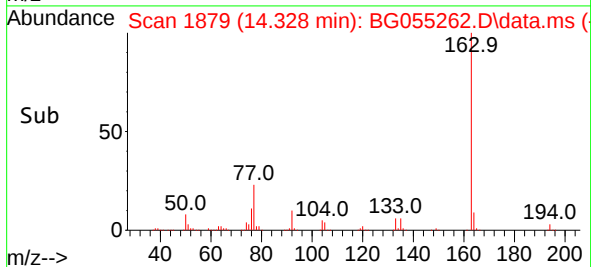
Supervised By :mohammad
ahmed
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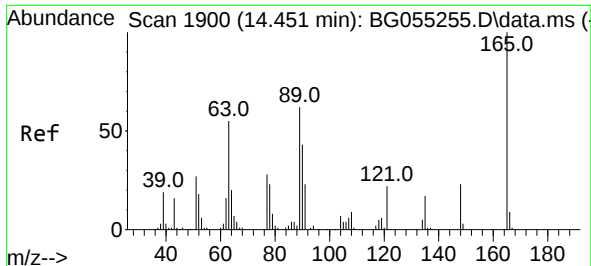


#50
Dimethylphthalate
Concen: 52.267 ng
RT: 14.328 min Scan# 1879
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



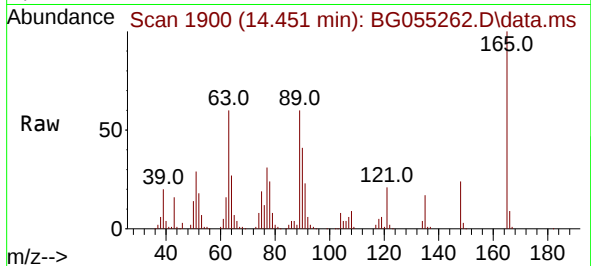
Tgt Ion:163 Resp: 484261
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.5 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 55.036 ng
RT: 14.451 min Scan# 1900
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

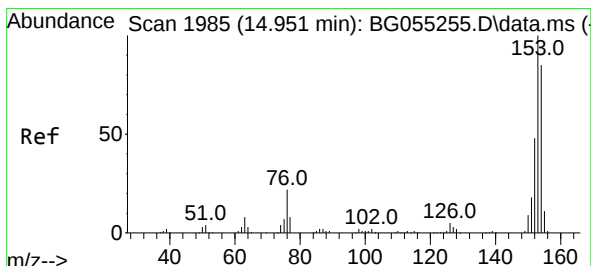
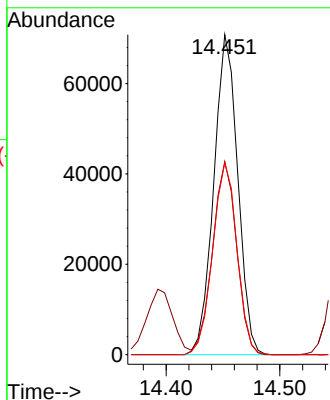
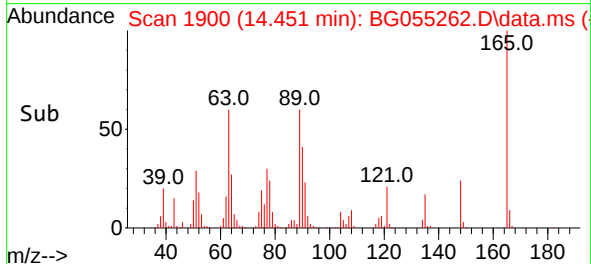


Tgt Ion:165 Resp: 103760
Ion Ratio Lower Upper
165 100
63 60.4 49.2 73.8
89 60.0 49.9 74.9

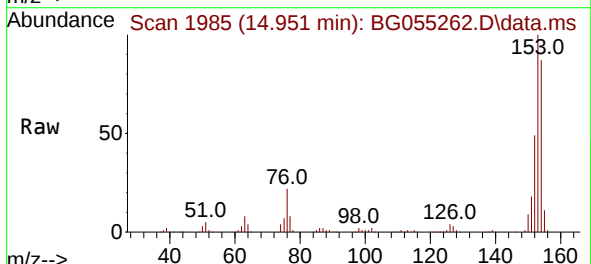
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

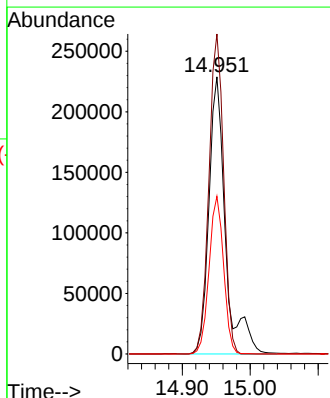
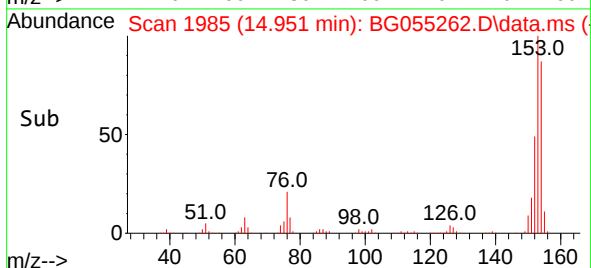
Supervised By :mohammad
ahmed
10/27/2022

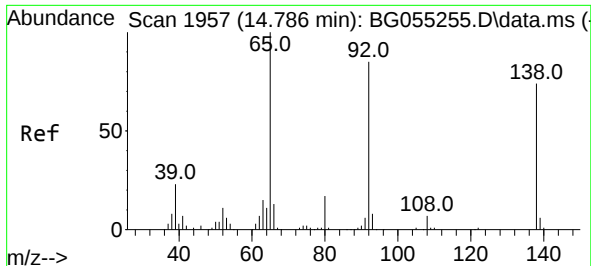


#52
Acenaphthene
Concen: 55.286 ng m
RT: 14.951 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



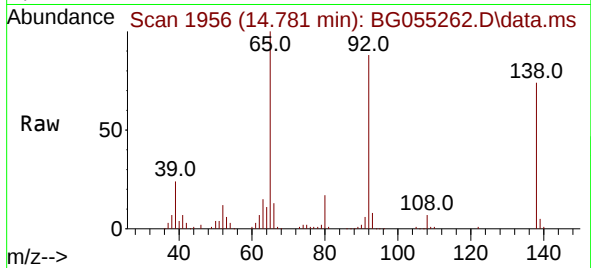
Tgt Ion:154 Resp: 388257
Ion Ratio Lower Upper
154 100
153 115.5 94.3 141.5
152 56.9 45.3 67.9





#53
3-Nitroaniline
Concen: 39.440 ng
RT: 14.781 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

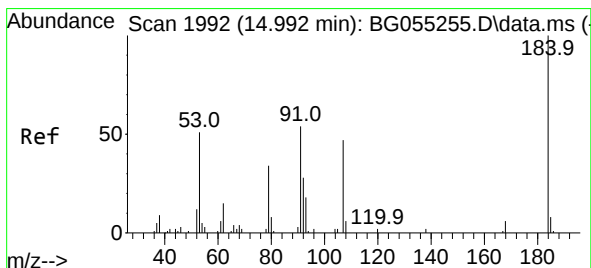
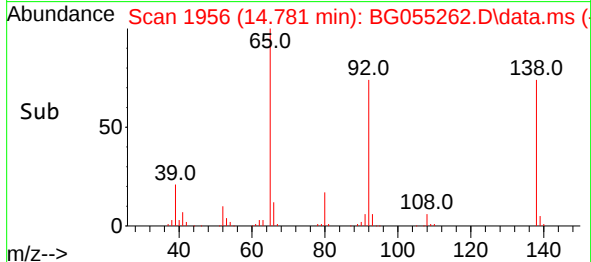
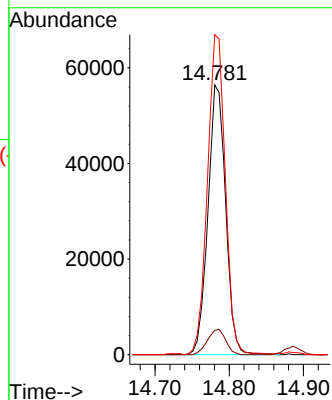


Tgt Ion:138 Resp: 93458
Ion Ratio Lower Upper
138 100
108 9.1 7.5 11.3
92 118.6 91.8 137.8

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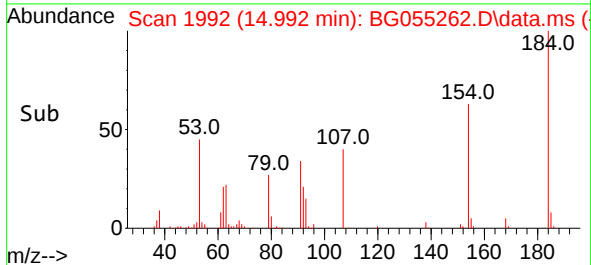
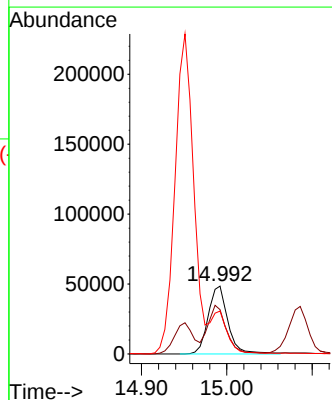
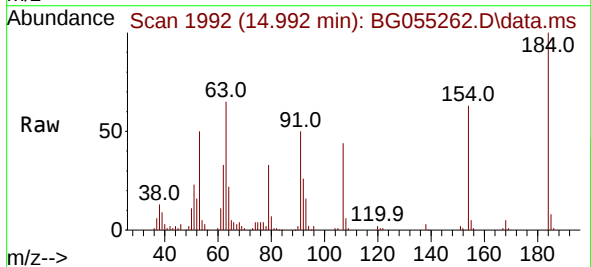
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

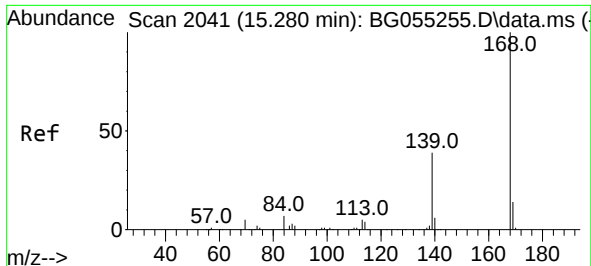
Supervised By :mohammad
ahmed
10/27/2022



#54
2,4-Dinitrophenol
Concen: 71.138 ng
RT: 14.992 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

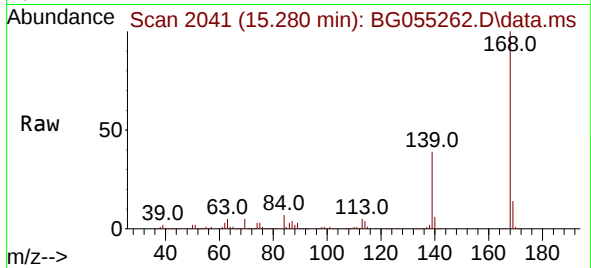
Tgt Ion:184 Resp: 78009
Ion Ratio Lower Upper
184 100
63 65.3 55.7 83.5
154 63.3 49.4 74.0





#55
Dibenzenofuran
Concen: 51.960 ng
RT: 15.280 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

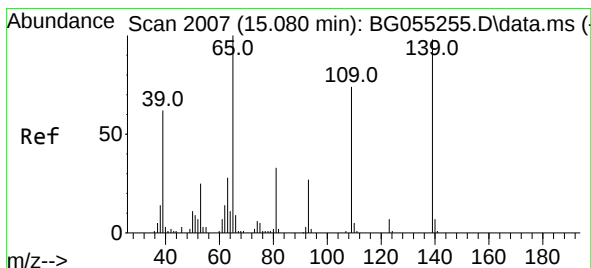
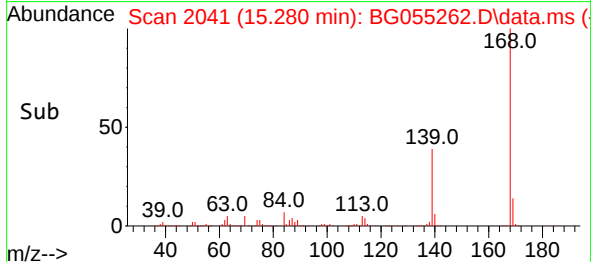
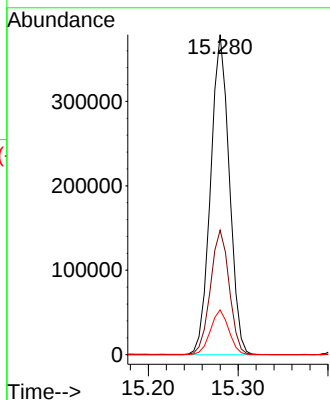


Tgt Ion:168 Resp: 547449
Ion Ratio Lower Upper
168 100
139 38.9 31.6 47.4
169 14.0 11.0 16.4

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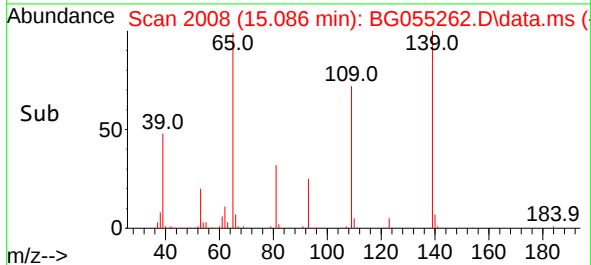
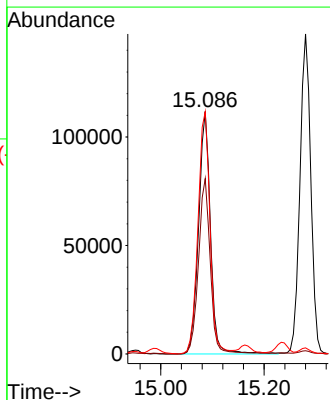
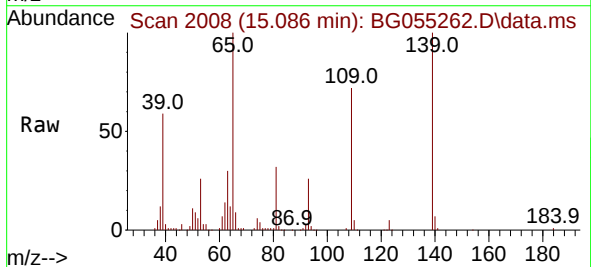
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

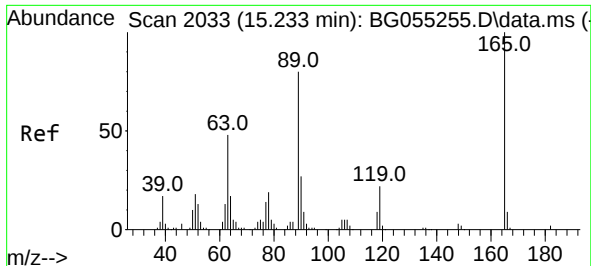
Supervised By :mohammad
ahmed
10/27/2022



#56
4-Nitrophenol
Concen: 105.473 ng
RT: 15.086 min Scan# 2008
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

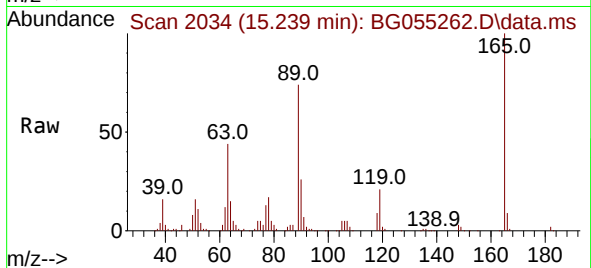
Tgt Ion:139 Resp: 178759
Ion Ratio Lower Upper
139 100
109 72.3 55.4 95.4
65 99.9 81.6 121.6





#57
2,4-Dinitrotoluene
Concen: 54.474 ng
RT: 15.239 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

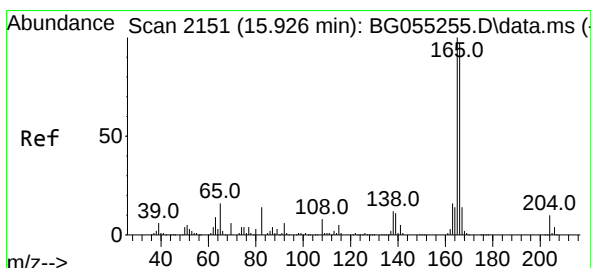
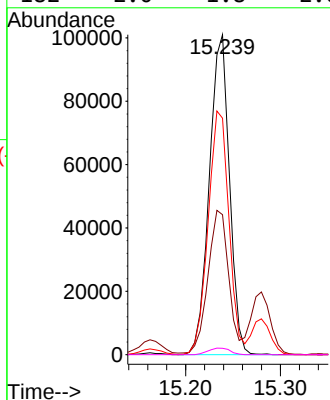
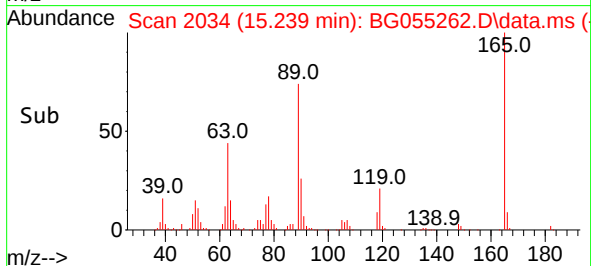


Tgt Ion:165 Resp: 14903
Ion Ratio Lower Upper
165 100
63 43.7 38.9 58.3
89 73.9 64.2 96.4
182 2.0 1.8 2.6

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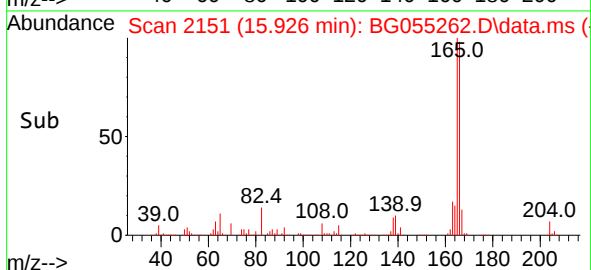
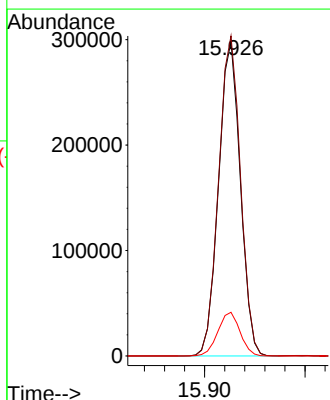
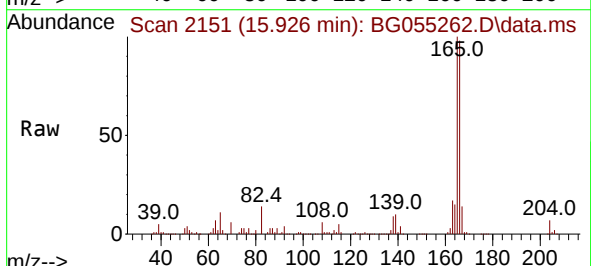
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

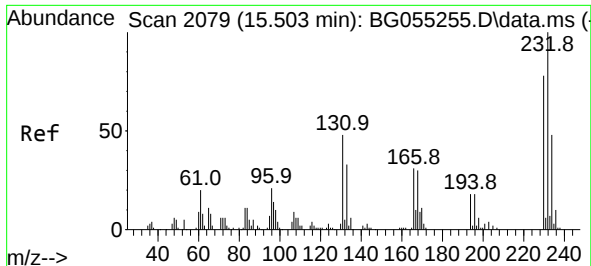
Supervised By :mohammad
ahmed
10/27/2022



#58
Fluorene
Concen: 51.060 ng
RT: 15.926 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

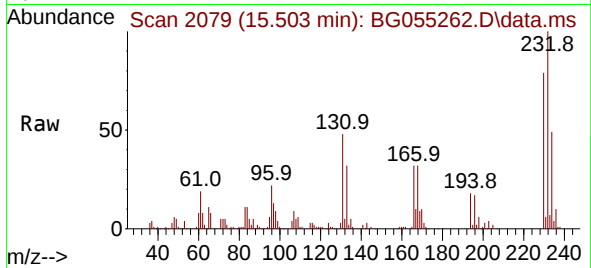
Tgt Ion:166 Resp: 447621
Ion Ratio Lower Upper
166 100
165 101.8 82.4 123.6
167 13.9 11.5 17.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 54.481 ng
RT: 15.503 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

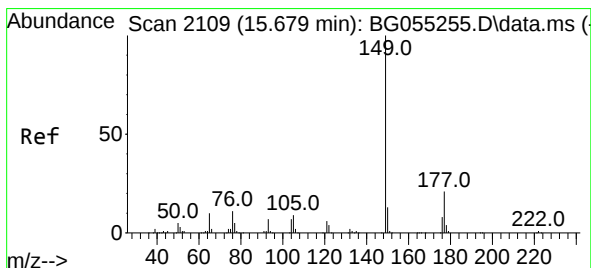
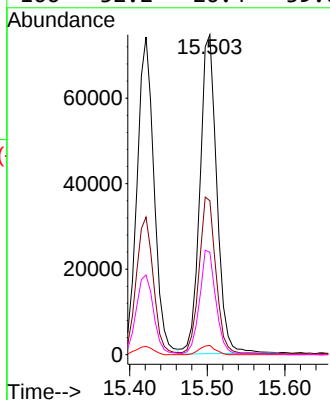
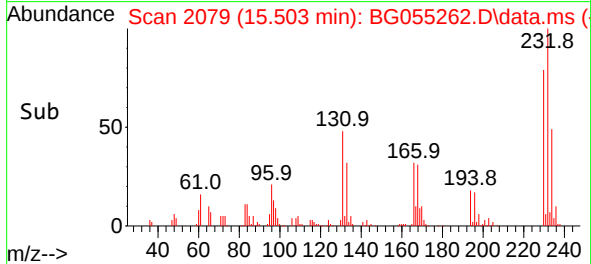


Tgt Ion:232 Resp: 112930
Ion Ratio Lower Upper
232 100
131 49.2 39.6 59.4
130 2.8 2.1 3.1
166 32.2 26.4 39.6

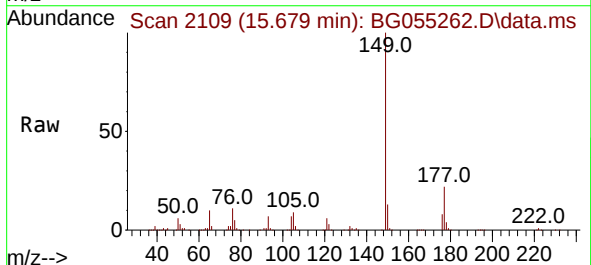
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

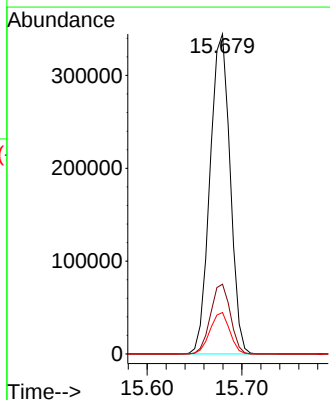
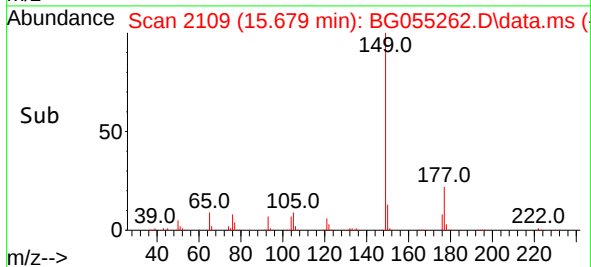
Supervised By :mohammad
ahmed
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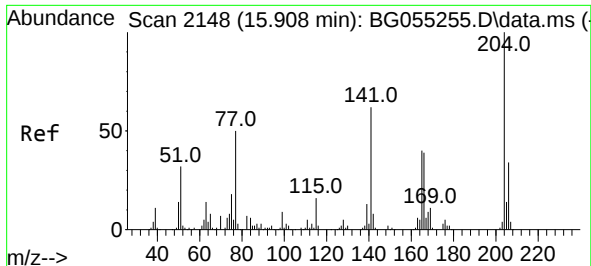


#60
Diethylphthalate
Concen: 51.562 ng
RT: 15.679 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



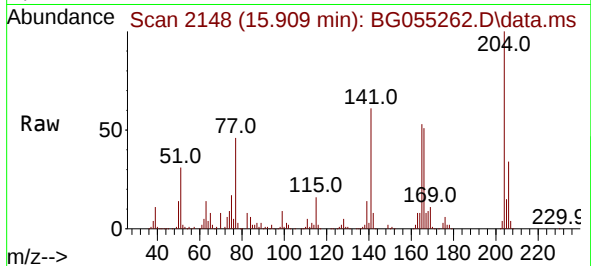
Tgt Ion:149 Resp: 508174
Ion Ratio Lower Upper
149 100
177 21.8 16.7 25.1
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 54.441 ng
RT: 15.909 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

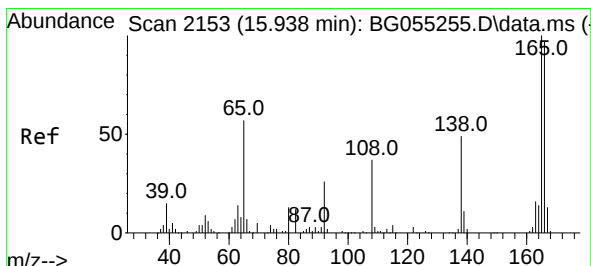
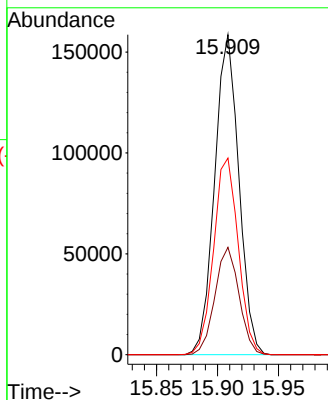
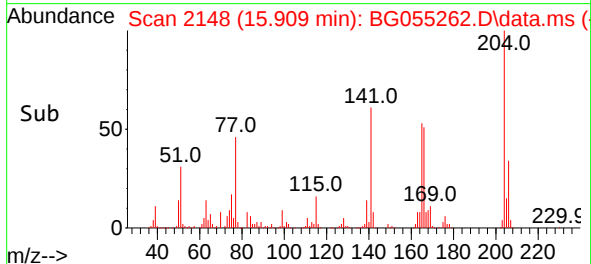


Tgt Ion:204 Resp: 219320
Ion Ratio Lower Upper
204 100
206 33.6 26.9 40.3
141 61.4 49.9 74.9

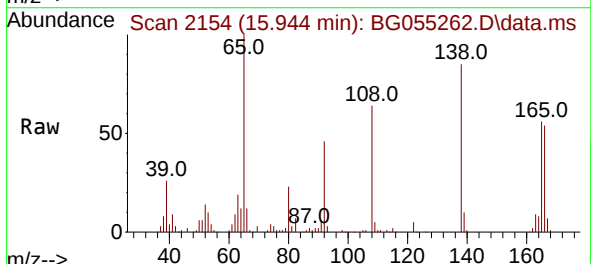
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

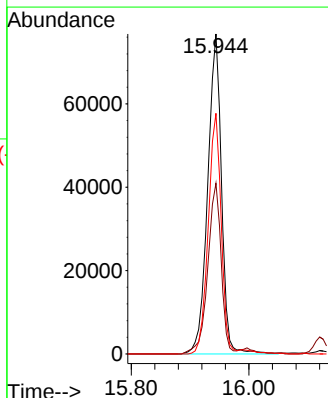
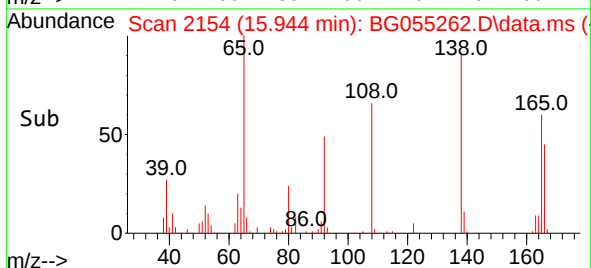
Supervised By :mohammad
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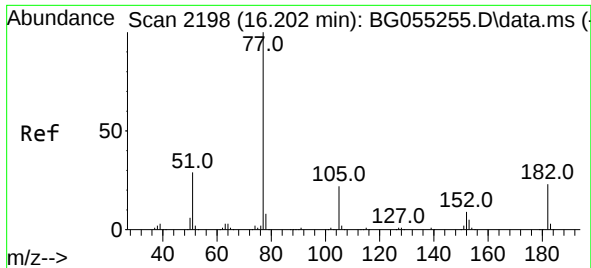


#62
4-Nitroaniline
Concen: 50.228 ng
RT: 15.944 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45



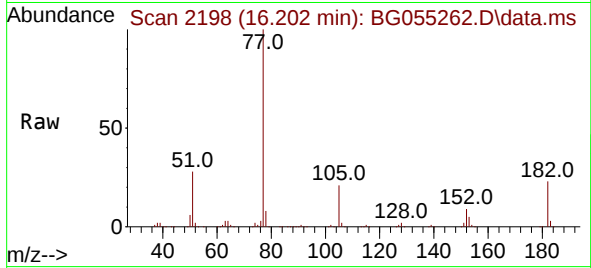
Tgt Ion:138 Resp: 125074
Ion Ratio Lower Upper
138 100
92 53.4 33.3 73.3
108 75.2 55.5 95.5





#63
Azobenzene
Concen: 52.742 ng
RT: 16.202 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

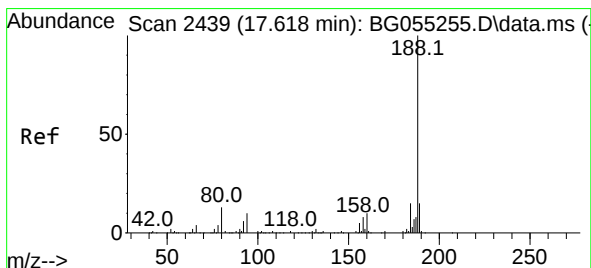
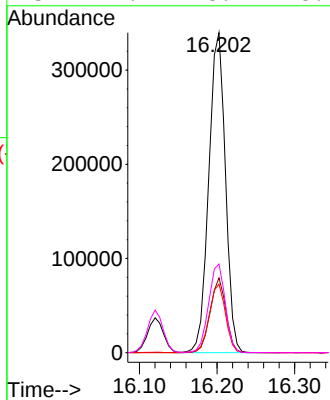


Tgt Ion: 77 Resp: 50639
Ion Ratio Lower Upper
77 100
182 23.3 2.5 42.5
105 21.5 1.6 41.6
51 27.7 8.7 48.7

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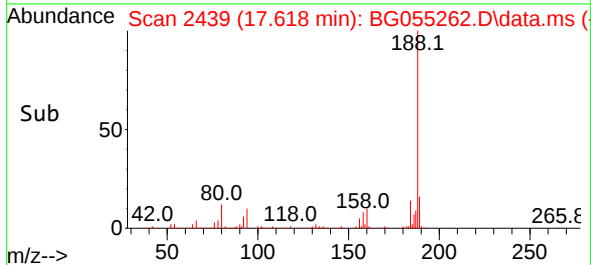
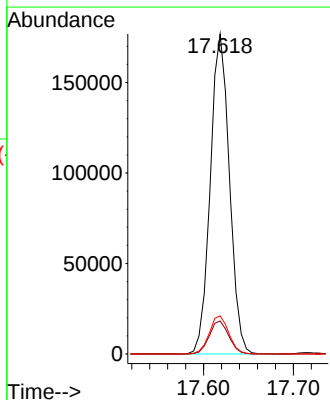
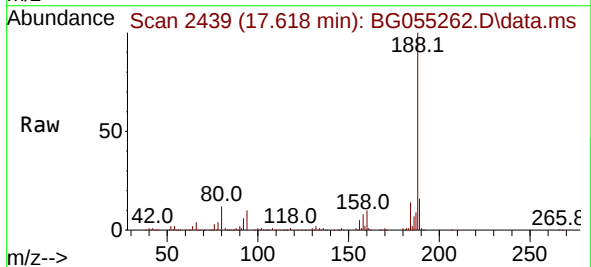
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

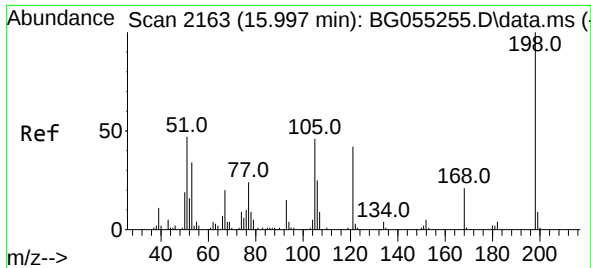
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion:188 Resp: 261343
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.4
80 11.9 10.1 15.1





#65
4,6-Dinitro-2-methylphenol
Concen: 46.712 ng
RT: 15.997 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

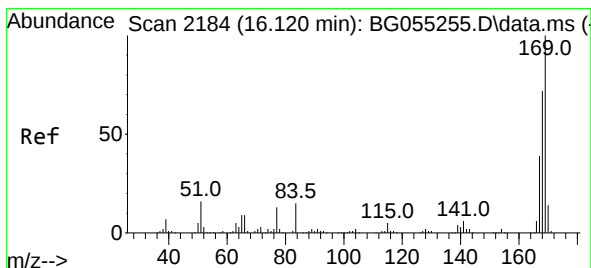
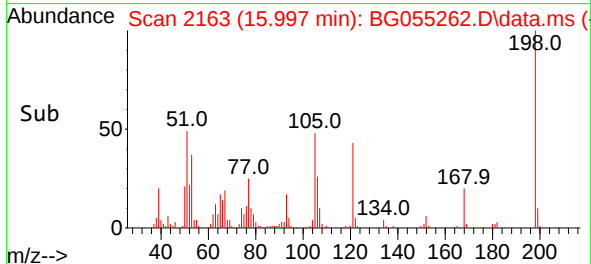
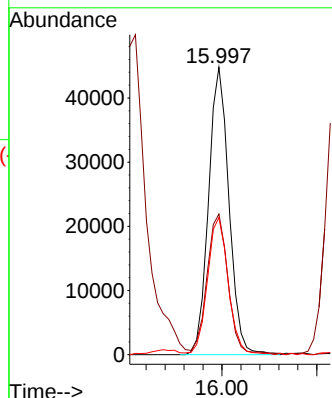
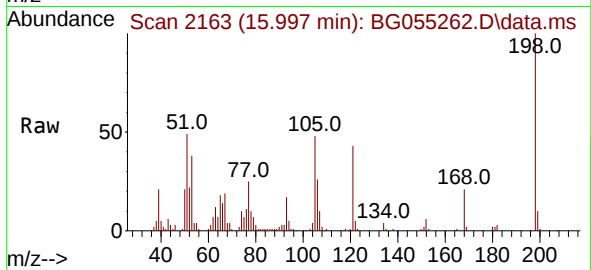
Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

Tgt Ion:198 Resp: 6711
Ion Ratio Lower Upper
198 100
51 48.9 29.6 69.6
105 47.7 26.6 66.6

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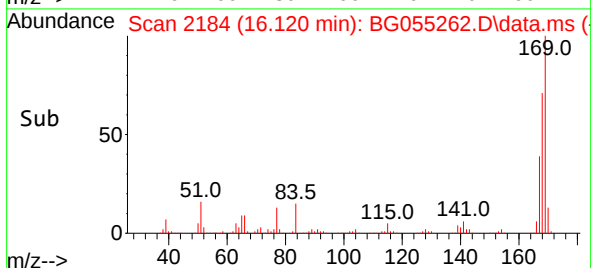
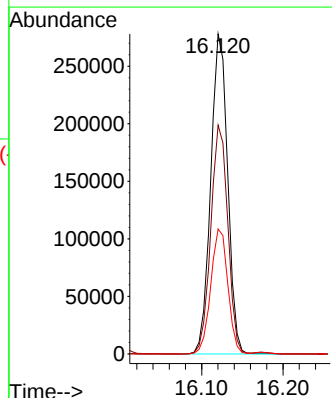
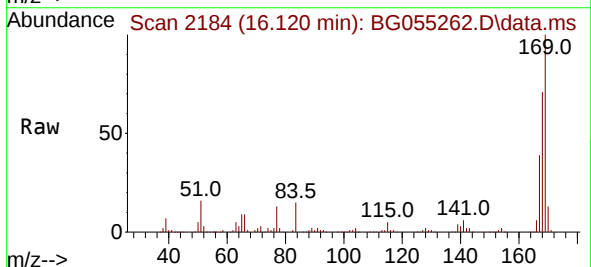
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

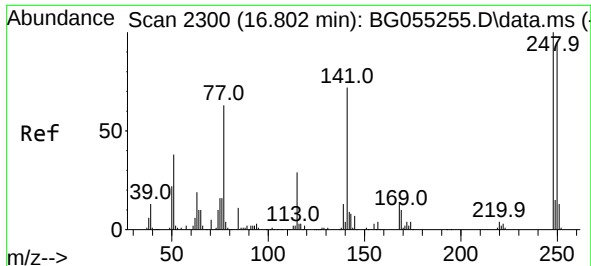
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#66
n-Nitrosodiphenylamine
Concen: 55.221 ng
RT: 16.120 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

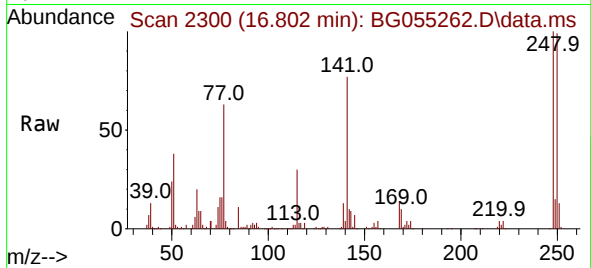
Tgt Ion:169 Resp: 401688
Ion Ratio Lower Upper
169 100
168 71.5 57.5 86.3
167 39.1 31.5 47.3





#67
4-Bromophenyl-phenylether
Concen: 56.627 ng
RT: 16.802 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

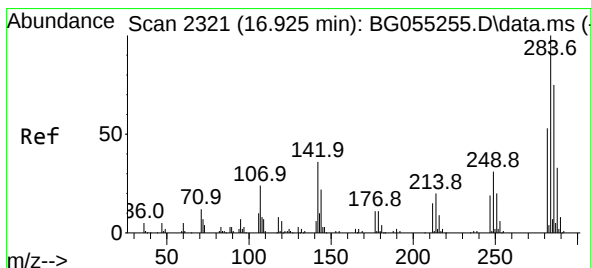
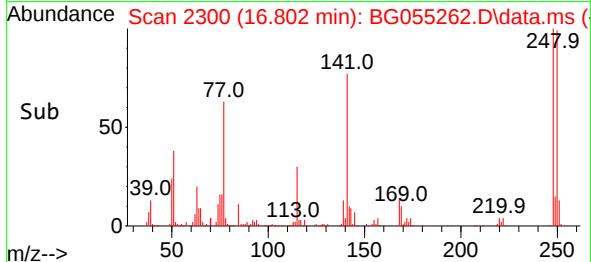
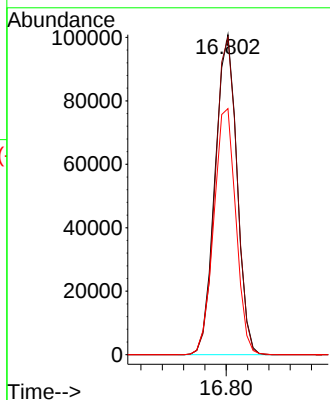


Tgt Ion:248 Resp: 143778
Ion Ratio Lower Upper
248 100
250 99.2 76.0 114.0
141 76.9 58.0 87.0

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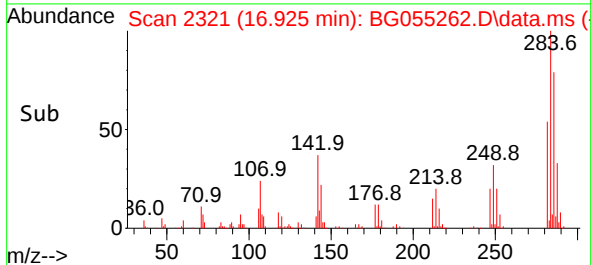
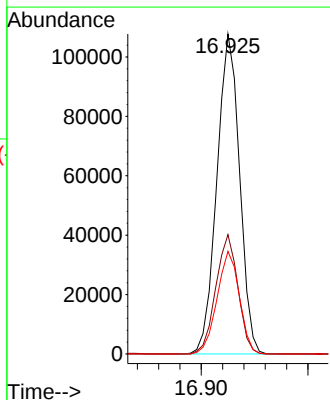
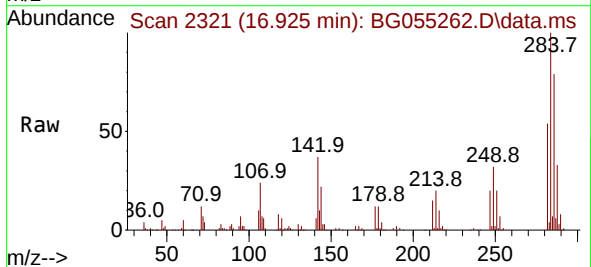
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

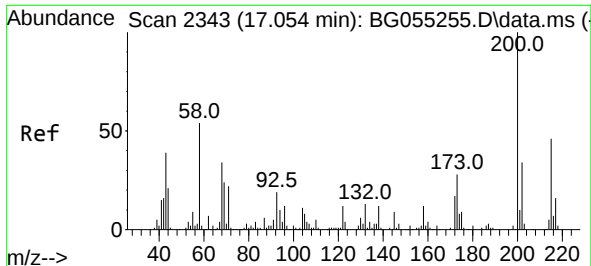
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#68
Hexachlorobenzene
Concen: 55.369 ng
RT: 16.925 min Scan# 2321
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

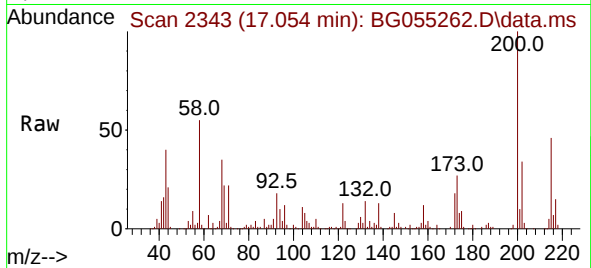
Tgt Ion:284 Resp: 158955
Ion Ratio Lower Upper
284 100
142 37.3 28.9 43.3
249 32.1 25.0 37.4





#69
 Atrazine
 Concen: 62.378 ng
 RT: 17.054 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MS

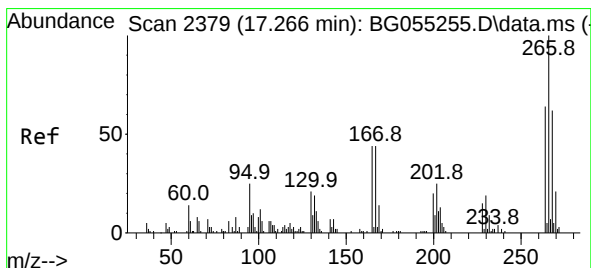
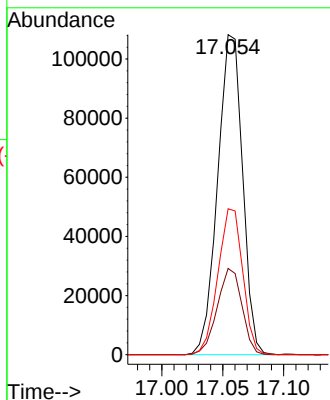
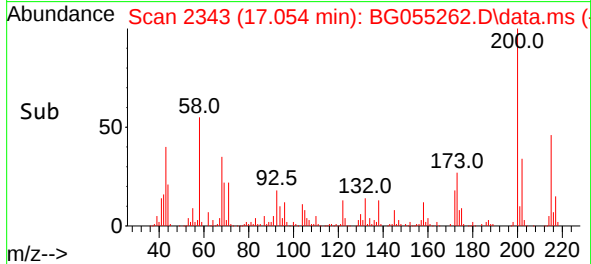


Tgt Ion:200 Resp: 15429
 Ion Ratio Lower Upper
 200 100
 173 27.0 7.7 47.7
 215 45.6 26.1 66.1

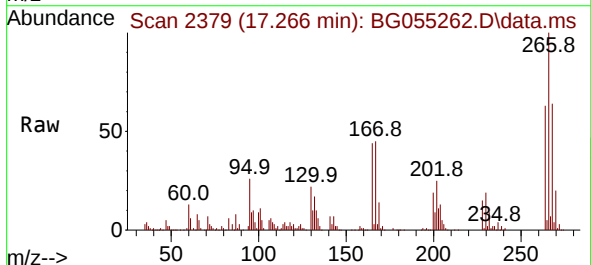
Manual Integrations
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Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

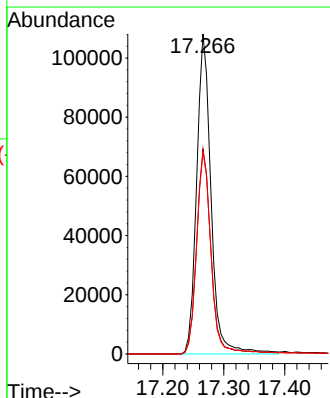
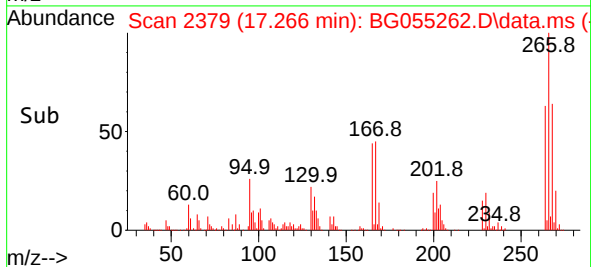
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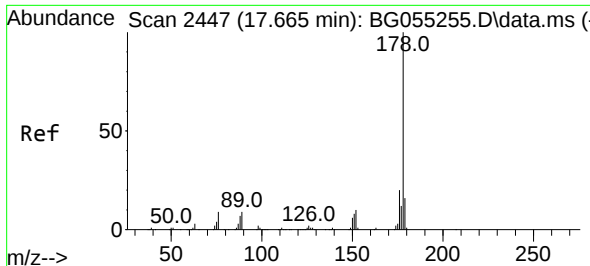


#70
 Pentachlorophenol
 Concen: 108.582 ng
 RT: 17.266 min Scan# 2379
 Delta R.T. -0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45



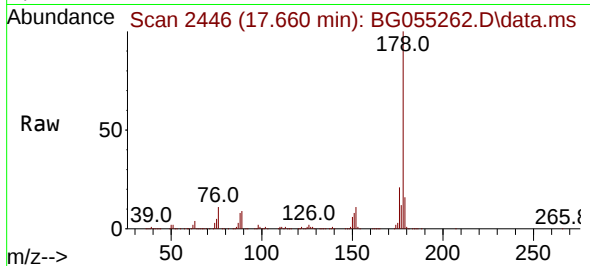
Tgt Ion:266 Resp: 177625
 Ion Ratio Lower Upper
 266 100
 268 64.1 53.2 79.8
 264 63.2 51.5 77.3





#71
Phenanthrene
Concen: 52.656 ng
RT: 17.660 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

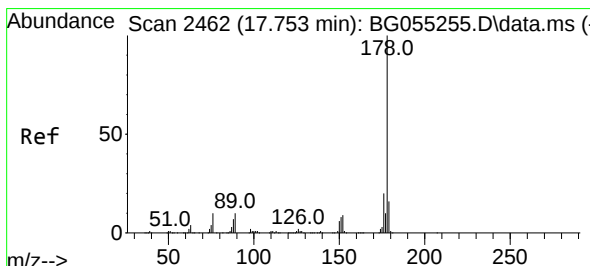
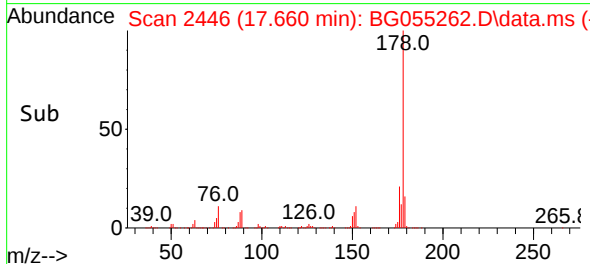
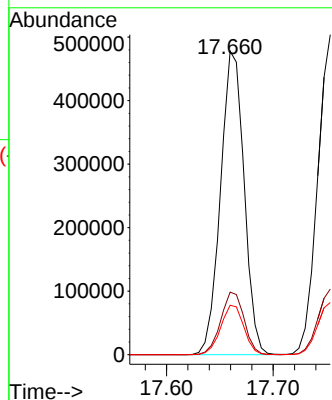


Tgt Ion:178 Resp: 733905
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 16.3 12.6 19.0

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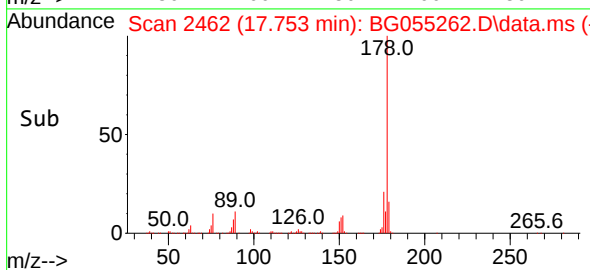
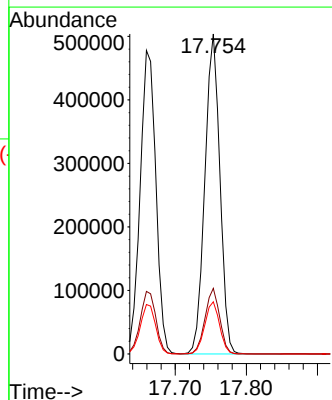
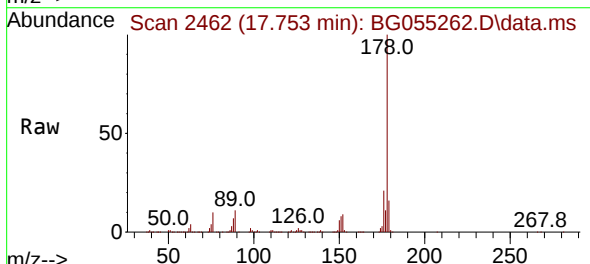
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

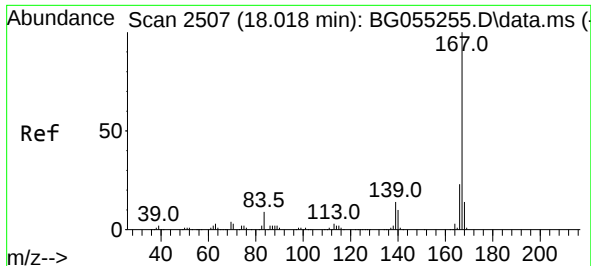
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10/27/2022



#72
Anthracene
Concen: 54.520 ng
RT: 17.753 min Scan# 2462
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

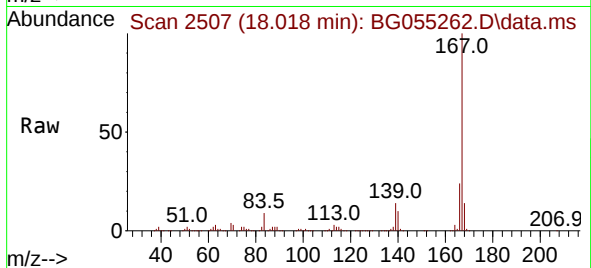
Tgt Ion:178 Resp: 742865
Ion Ratio Lower Upper
178 100
176 20.5 15.7 23.5
179 16.3 12.9 19.3





#73
 Carbazole
 Concen: 55.222 ng
 RT: 18.018 min Scan# 2507
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MS

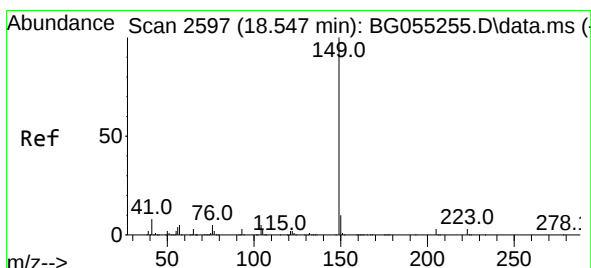
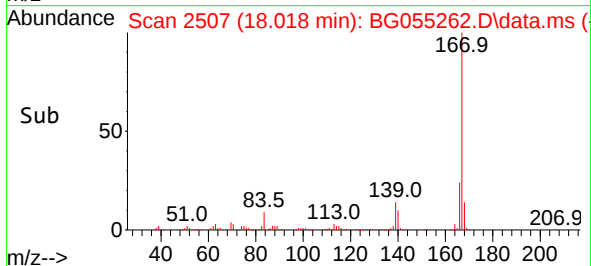
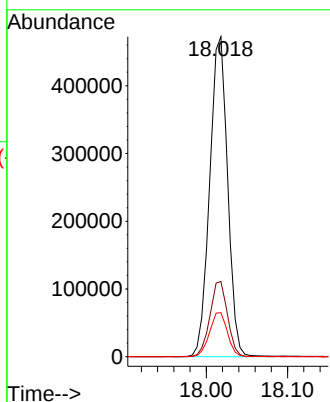


Tgt Ion:167 Resp: 723702
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.6 27.8
 139 13.7 10.9 16.3

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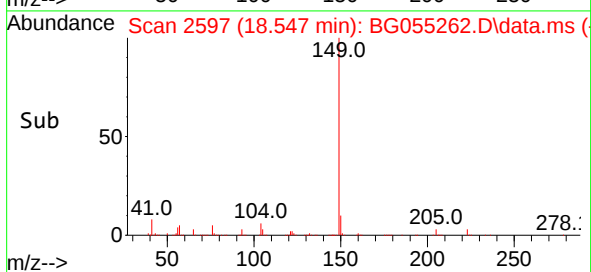
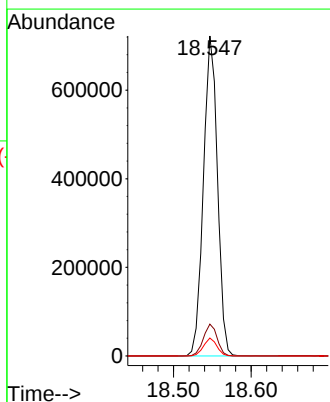
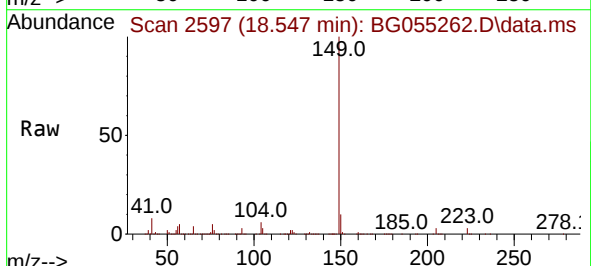
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

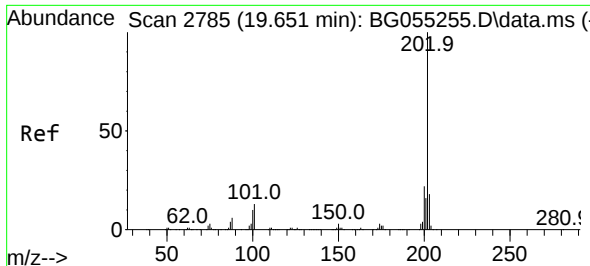
Supervised By :mohammad
 ahmed
 10/27/2022



#74
 Di-n-butylphthalate
 Concen: 55.355 ng
 RT: 18.547 min Scan# 2597
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

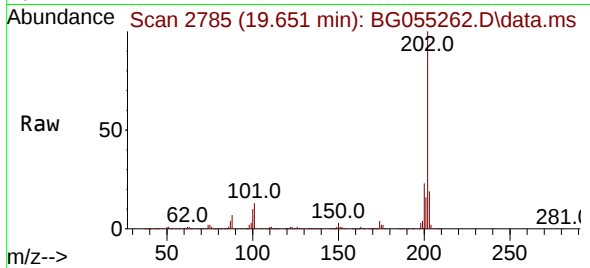
Tgt Ion:149 Resp: 906827
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.8 11.8
 104 5.6 4.2 6.4





#75
Fluoranthene
Concen: 52.278 ng
RT: 19.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

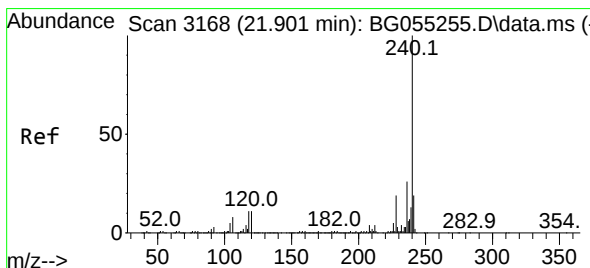
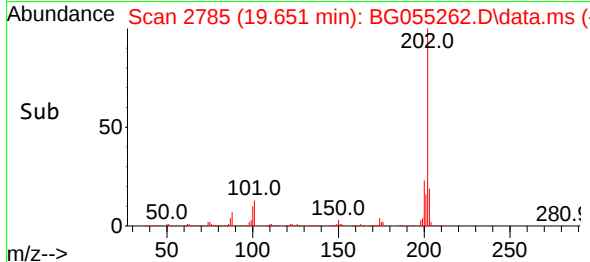
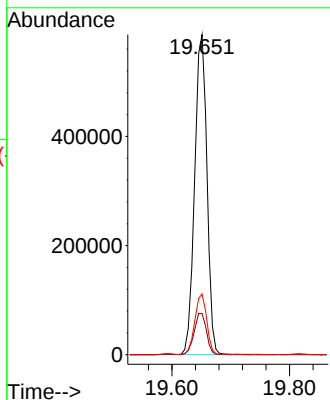


Tgt Ion:202 Resp: 84903
Ion Ratio Lower Upper
202 100
101 12.9 0.0 32.6
203 19.0 0.0 38.3

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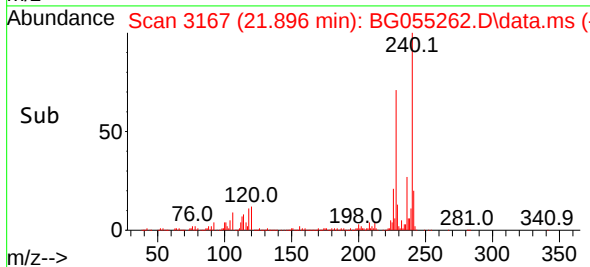
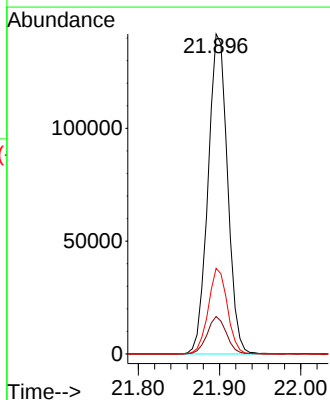
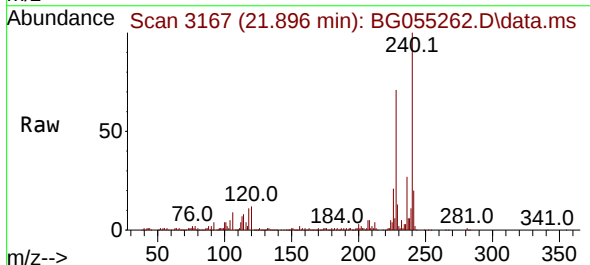
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

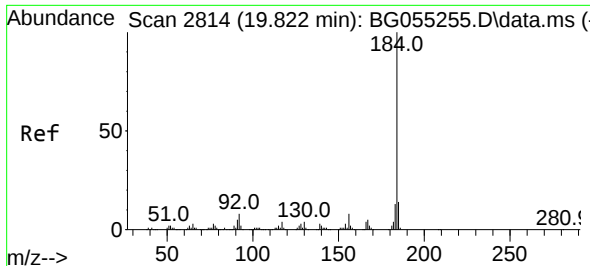
Supervised By :mohammad
ahmed
10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

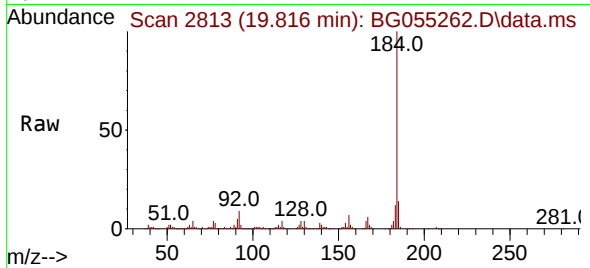
Tgt Ion:240 Resp: 235948
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 26.8 21.0 31.4





#77
Benzidine
Concen: 49.456 ng
RT: 19.816 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

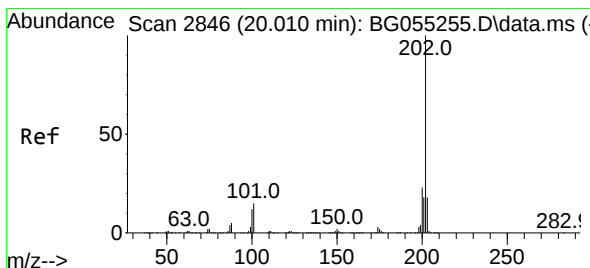
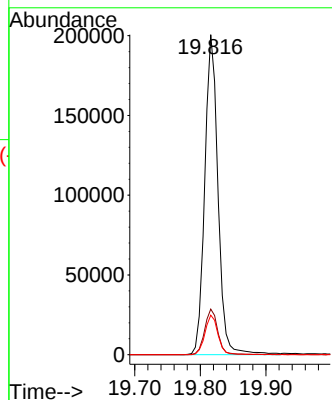


Tgt Ion:184 Resp: 282539
Ion Ratio Lower Upper
184 100
185 14.3 11.0 16.6
183 12.4 10.0 15.0

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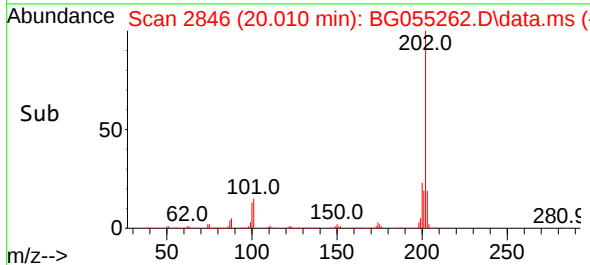
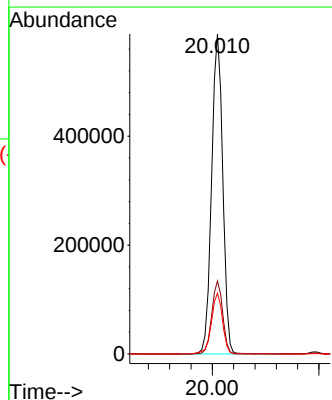
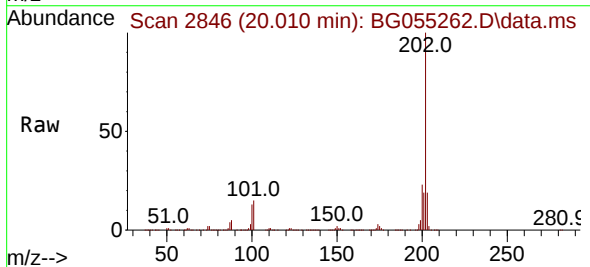
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

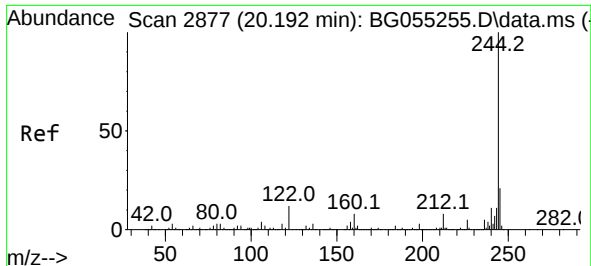
Supervised By :mohammad
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#78
Pyrene
Concen: 52.802 ng
RT: 20.010 min Scan# 2846
Delta R.T. -0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

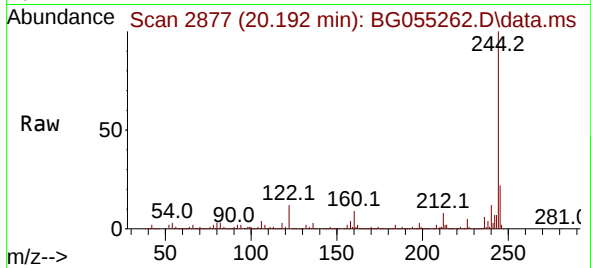
Tgt Ion:202 Resp: 853959
Ion Ratio Lower Upper
202 100
200 22.8 18.0 27.0
203 19.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 107.446 ng
 RT: 20.192 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MS

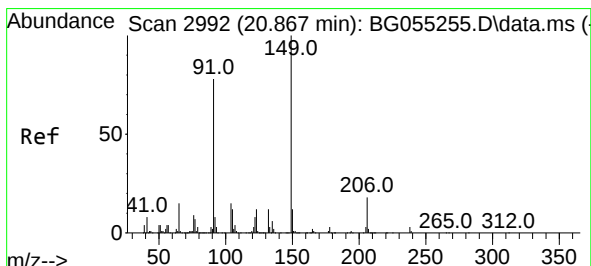
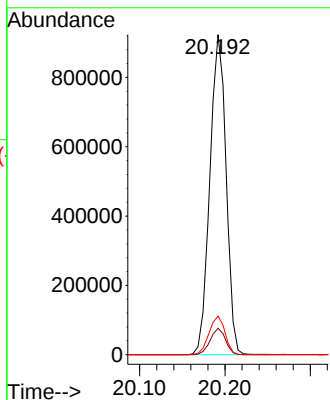
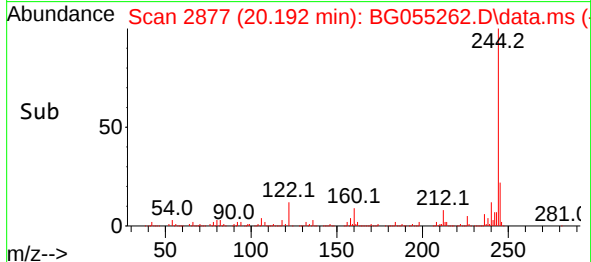


Tgt Ion:244 Resp: 1220184
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.0 9.0
 122 12.0 9.6 14.4

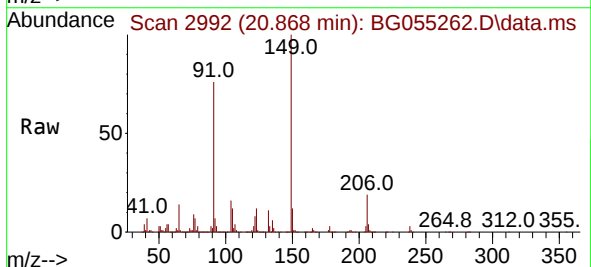
Manual Integrations
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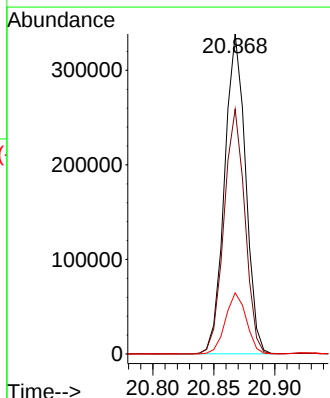
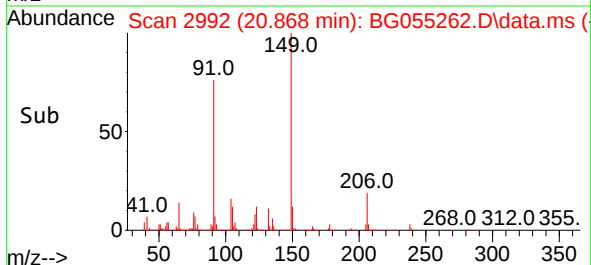
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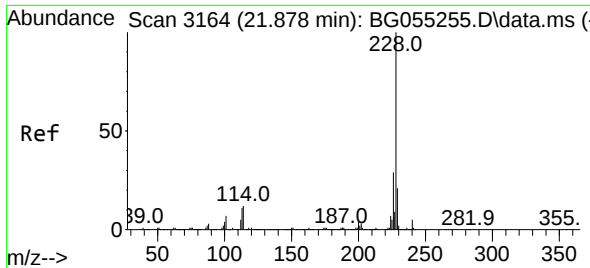


#80
 Butylbenzylphthalate
 Concen: 53.096 ng
 RT: 20.868 min Scan# 2992
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45



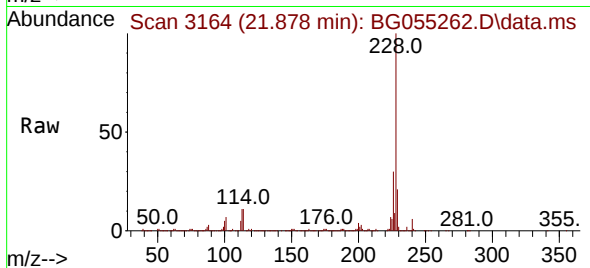
Tgt Ion:149 Resp: 405782
 Ion Ratio Lower Upper
 149 100
 91 76.5 62.2 93.4
 206 19.1 14.6 21.8





#81
Benzo(a)anthracene
Concen: 50.450 ng
RT: 21.878 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

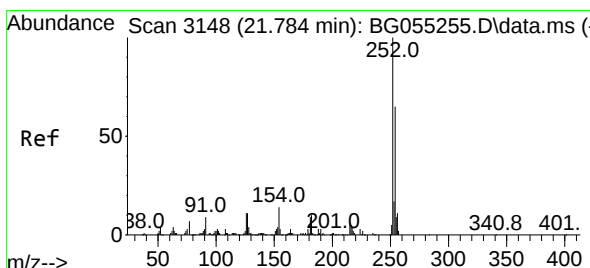
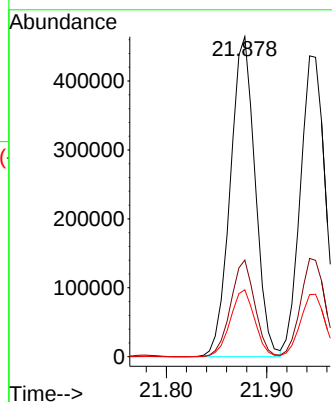


Tgt Ion:228 Resp: 799348
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 20.9 16.7 25.1

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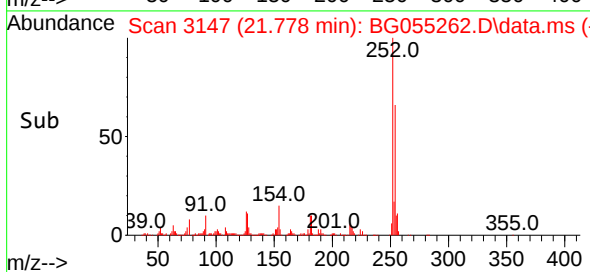
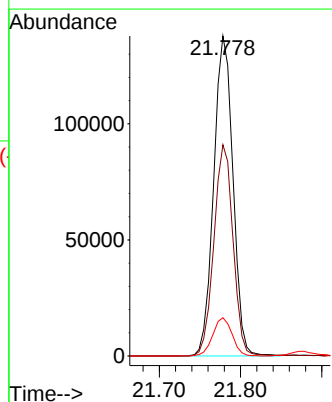
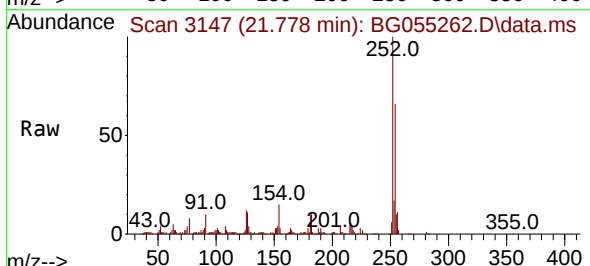
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

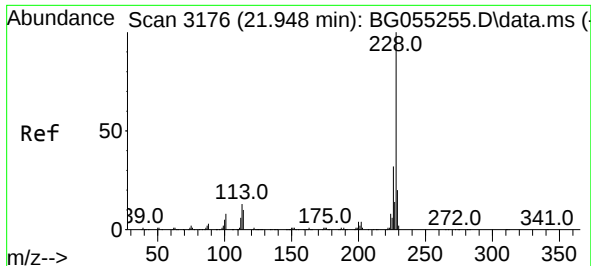
Supervised By :mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 44.024 ng
RT: 21.778 min Scan# 3147
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

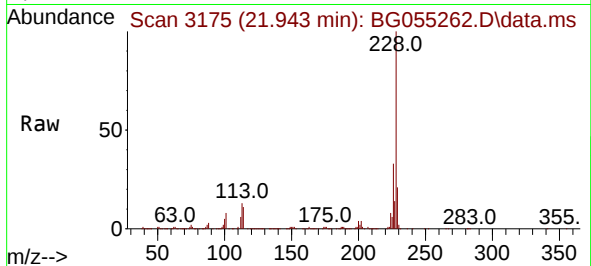
Tgt Ion:252 Resp: 227176
Ion Ratio Lower Upper
252 100
254 66.0 52.2 78.4
126 12.0 8.6 12.8





#83
Chrysene
Concen: 49.737 ng
RT: 21.943 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

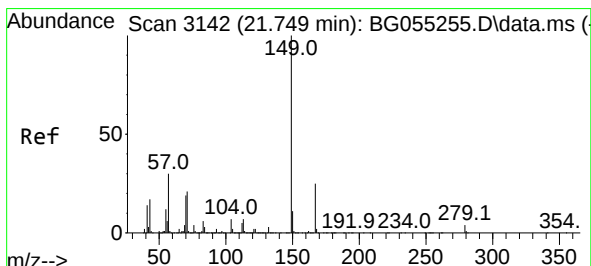
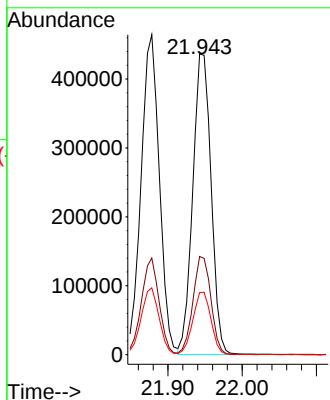
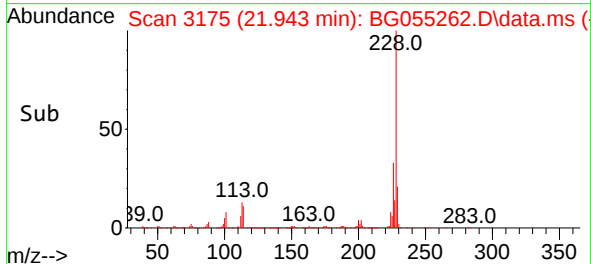


Tgt Ion:228 Resp: 748562
Ion Ratio Lower Upper
228 100
226 32.7 25.8 38.8
229 20.7 16.3 24.5

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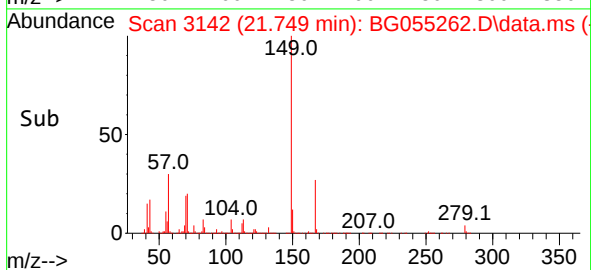
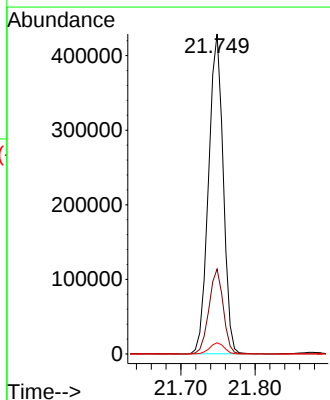
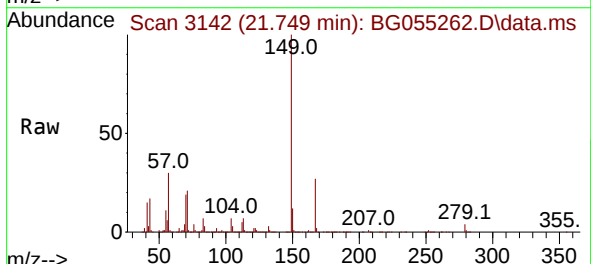
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

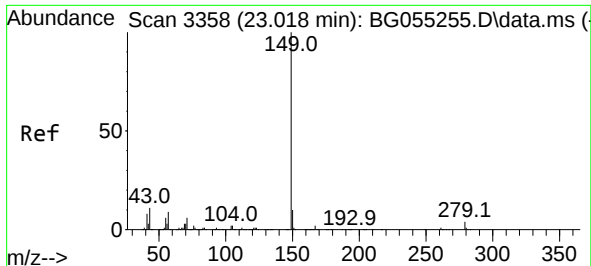
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ahmed
10/27/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.786 ng
RT: 21.749 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

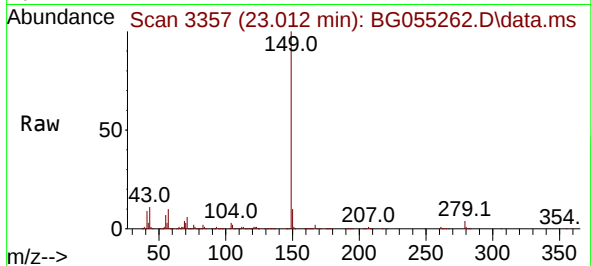
Tgt Ion:149 Resp: 587199
Ion Ratio Lower Upper
149 100
167 26.5 20.2 30.2
279 3.5 2.8 4.2





#85
Di-n-octyl phthalate
Concen: 54.144 ng
RT: 23.012 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

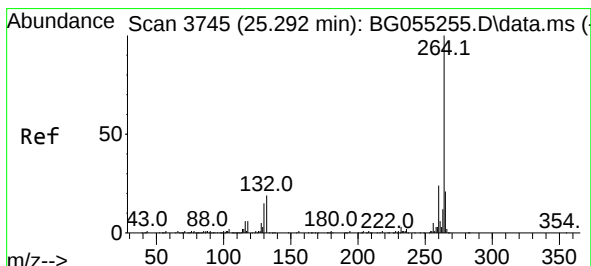
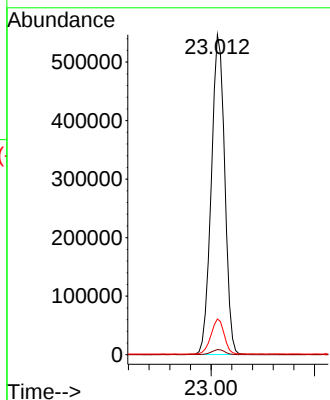
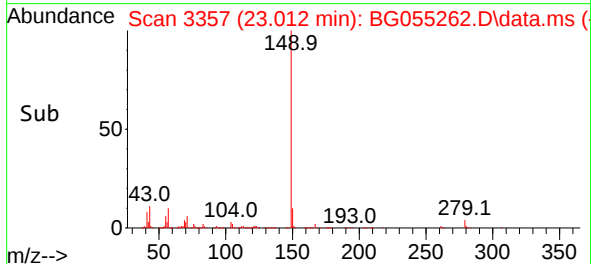


Tgt Ion:149 Resp: 98476
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.7 8.6 12.8

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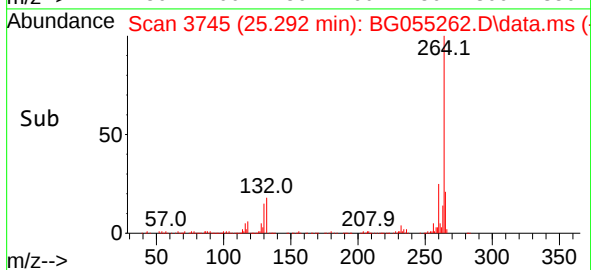
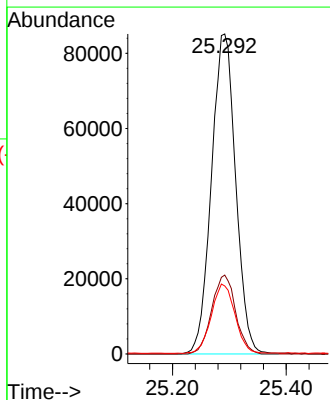
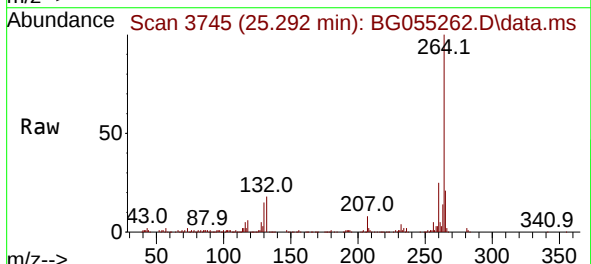
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

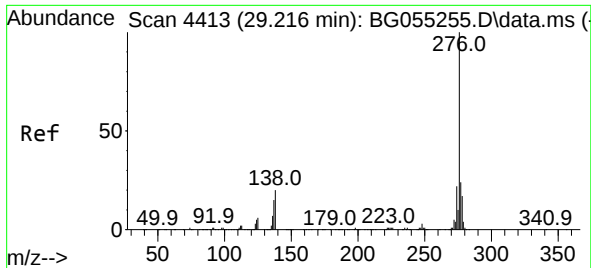
Supervised By :mohammad
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10/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.292 min Scan# 3745
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

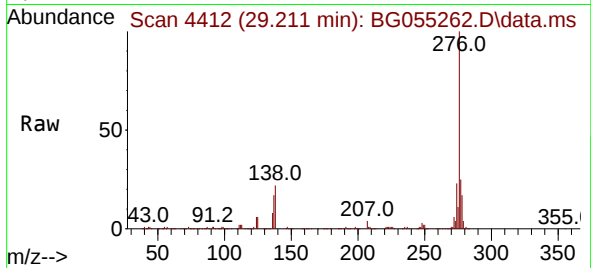
Tgt Ion:264 Resp: 251829
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.3 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.198 ng
 RT: 29.211 min Scan# 4413
 Delta R.T. -0.006 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-SOILPILE-1020MS

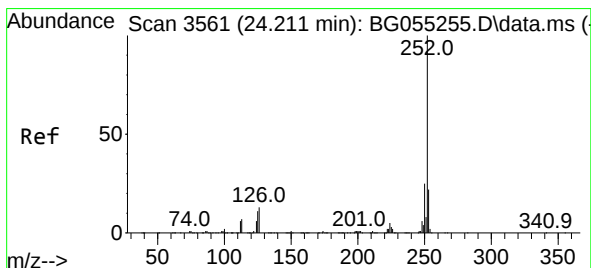
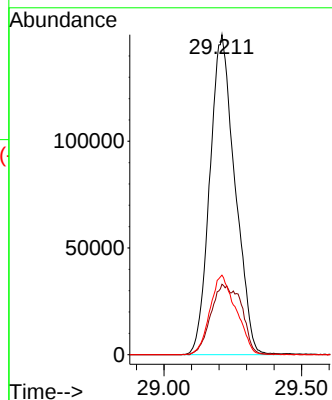


Tgt Ion:276 Resp: 952264
 Ion Ratio Lower Upper
 276 100
 138 17.3 13.9 20.9
 277 25.8 20.3 30.5

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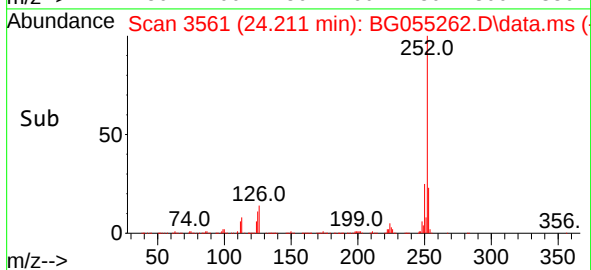
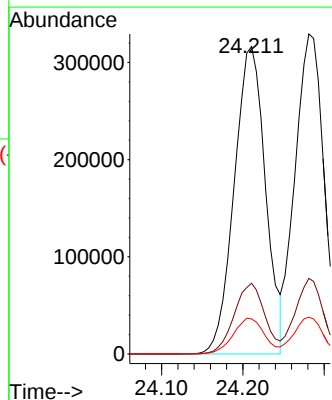
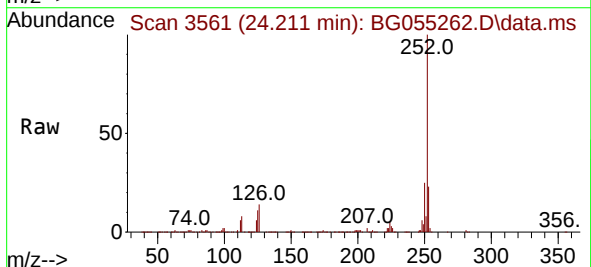
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

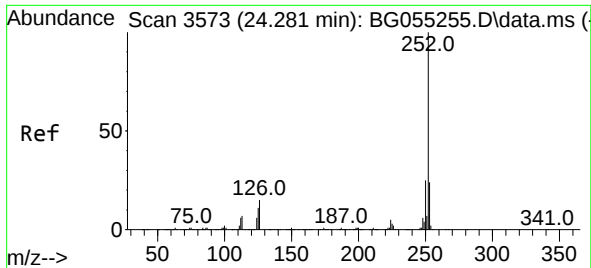
Supervised By :mohammad
 ahmed
 10/27/2022



#88
 Benzo(b)fluoranthene
 Concen: 55.894 ng
 RT: 24.211 min Scan# 3561
 Delta R.T. 0.000 min
 Lab File: BG055262.D
 Acq: 24 Oct 2022 18:45

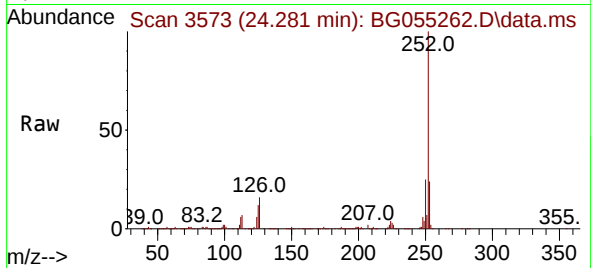
Tgt Ion:252 Resp: 846687
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 11.4 9.0 13.4





#89
Benzo(k)fluoranthene
Concen: 52.867 ng
RT: 24.281 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

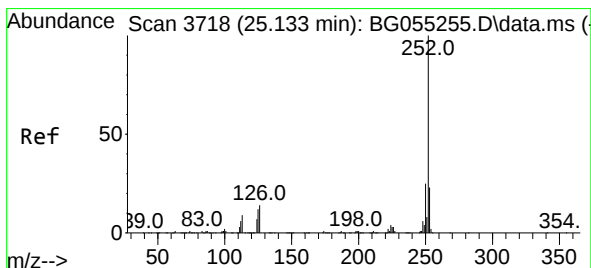
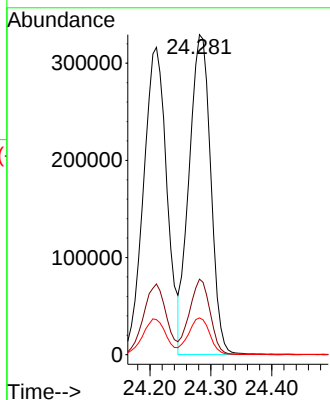
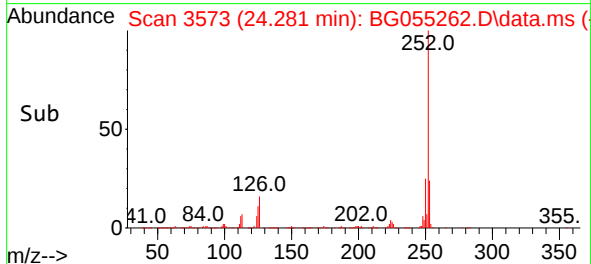


Tgt Ion:252 Resp: 808644
Ion Ratio Lower Upper
252 100
253 23.6 18.6 27.8
125 11.5 9.1 13.7

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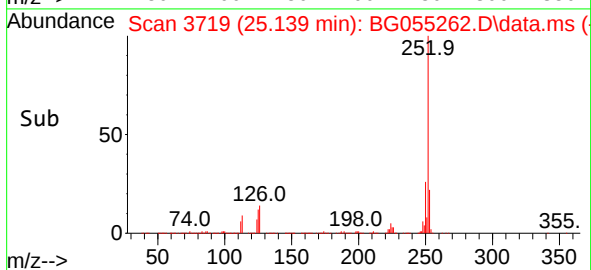
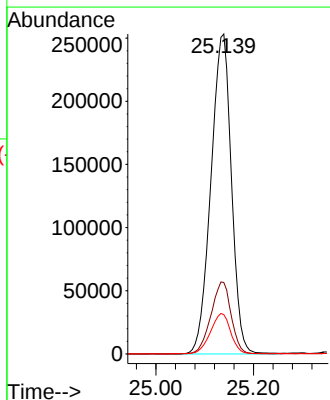
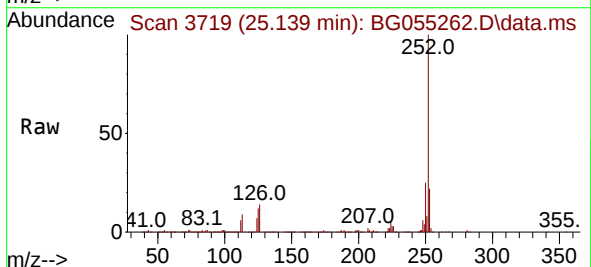
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

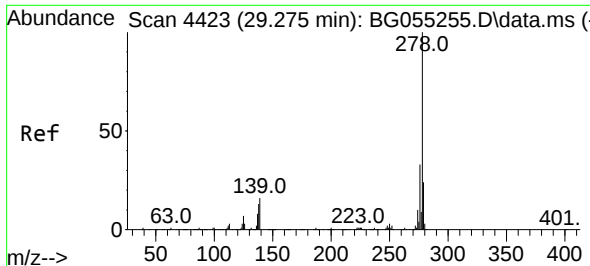
Supervised By :mohammad
ahmed
10/27/2022



#90
Benzo(a)pyrene
Concen: 56.889 ng
RT: 25.139 min Scan# 3719
Delta R.T. 0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

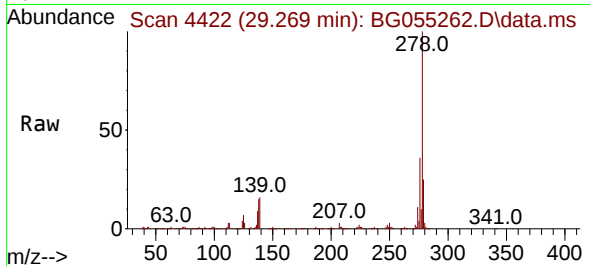
Tgt Ion:252 Resp: 738994
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 12.3 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 53.870 ng
RT: 29.269 min Scan# 4423
Delta R.T. -0.006 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MS

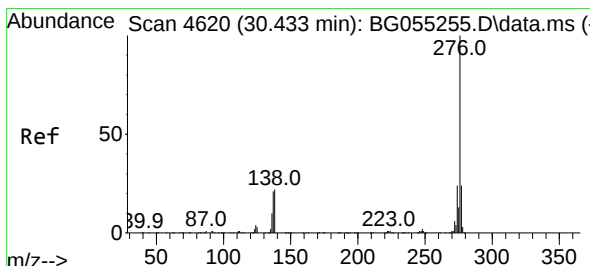
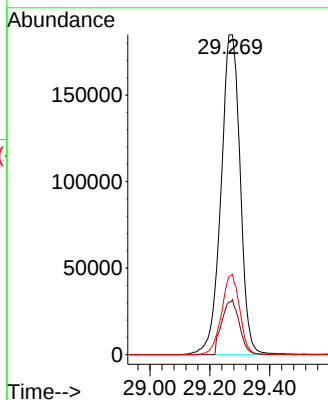
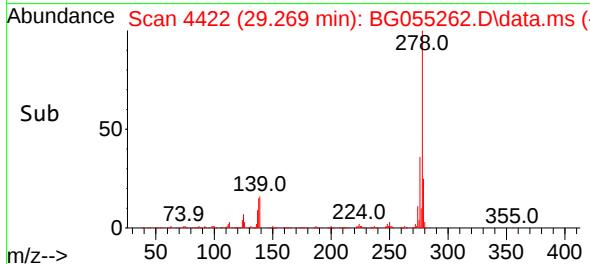


Tgt Ion:278 Resp: 82225
Ion Ratio Lower Upper
278 100
139 16.4 12.9 19.3
279 24.6 19.0 28.6

Manual Integrations
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Supervised By :mohammad ahmed 10/27/2022

Supervised By :mohammad
ahmed
10/27/2022



#92
Benzo(g,h,i)perylene
Concen: 53.811 ng
RT: 30.445 min Scan# 4622
Delta R.T. 0.012 min
Lab File: BG055262.D
Acq: 24 Oct 2022 18:45

Tgt Ion:276 Resp: 814669
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 21.9 17.2 25.8

