

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041624\
 Data File : BG060913.D
 Acq On : 16 Apr 2024 14:32
 Operator : MA/JU
 Sample : PB160120BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024

Quant Time: Apr 16 15:18:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 30 03:12:26 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	71474	20.000	ng	-0.01
21) Naphthalene-d8	10.744	136	308787	20.000	ng	-0.01
39) Acenaphthene-d10	14.581	164	239703	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	563421	20.000	ng	-0.01
76) Chrysene-d12	21.591	240	513117	20.000	ng	-0.01
86) Perylene-d12	24.722	264	545770	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	550887	128.399	ng	0.00
7) Phenol-d6	7.119	99	747310	117.342	ng	0.00
23) Nitrobenzene-d5	9.105	82	488205	90.217	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	432361	158.897	ng	0.00
45) 2-Fluorobiphenyl	13.206	172	1249555	76.506	ng	-0.01
79) Terphenyl-d14	19.951	244	2225714	76.379	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.453	88	46065	26.187	ng	96
3) Pyridine	3.841	79	120147	22.644	ng	87
4) n-Nitrosodimethylamine	3.759	42	117691	37.107	ng	96
6) Aniline	7.272	93	187922	23.366	ng	97
8) 2-Chlorophenol	7.513	128	209104	42.989	ng	96
9) Benzaldehyde	7.084	77	27811m	7.919	ng	
10) Phenol	7.143	94	273175	42.030	ng	96
11) bis(2-Chloroethyl)ether	7.372	93	186293	35.501	ng	98
12) 1,3-Dichlorobenzene	7.842	146	199175	39.376	ng	98
13) 1,4-Dichlorobenzene	7.983	146	203479	39.430	ng	99
14) 1,2-Dichlorobenzene	8.300	146	204031	40.344	ng	98
15) Benzyl Alcohol	8.183	79	208513	40.419	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.471	45	456874	38.579	ng	100
17) 2-Methylphenol	8.394	107	187559	38.225	ng	98
18) Hexachloroethane	9.029	117	74842	40.835	ng	# 86
19) n-Nitroso-di-n-propyla...	8.753	70	172155	35.447	ng	95
20) 3+4-Methylphenols	8.717	107	257562	38.333	ng	90
22) Acetophenone	8.770	105	332695	39.074	ng	# 98
24) Nitrobenzene	9.146	77	246918	41.397	ng	98
25) Isophorone	9.669	82	470356	37.737	ng	100
26) 2-Nitrophenol	9.857	139	119170	54.870	ng	96
27) 2,4-Dimethylphenol	9.922	122	162400	32.436	ng	98
28) bis(2-Chloroethoxy)met...	10.157	93	272680	37.056	ng	98
29) 2,4-Dichlorophenol	10.392	162	220600	47.980	ng	95
30) 1,2,4-Trichlorobenzene	10.609	180	232301	44.620	ng	97
31) Naphthalene	10.797	128	643348	38.516	ng	99
32) Benzoic acid	10.069	122	164399	49.159	ng	98
33) 4-Chloroaniline	10.897	127	131862	16.996	ng	98
34) Hexachlorobutadiene	11.085	225	165941	47.826	ng	99
35) Caprolactam	11.673	113	72116m	39.603	ng	
36) 4-Chloro-3-methylphenol	12.025	107	250454	42.642	ng	99
37) 2-Methylnaphthalene	12.401	142	463318	37.728	ng	98
38) 1-Methylnaphthalene	12.625	142	434776	37.477	ng	96
40) 1,2,4,5-Tetrachloroben...	12.772	216	310713	45.088	ng	99
41) Hexachlorocyclopentadiene	12.754	237	317686	90.663	ng	96
43) 2,4,6-Trichlorophenol	13.012	196	212102	47.800	ng	99

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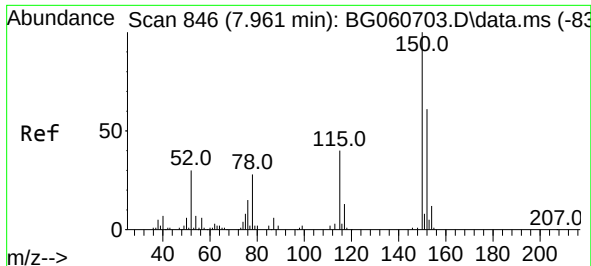
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 30 03:12:26 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.083	196	234804	44.341	ng	96
46) 1,1'-Biphenyl	13.412	154	659018	38.924	ng	99
47) 2-Chloronaphthalene	13.453	162	516897	40.182	ng	98
48) 2-Nitroaniline	13.653	65	194689	46.879	ng	99
49) Acenaphthylene	14.299	152	862659	39.911	ng	100
50) Dimethylphthalate	14.041	163	714825	37.729	ng	100
51) 2,6-Dinitrotoluene	14.152	165	151553	44.918	ng	93
52) Acenaphthene	14.646	154	598127m	44.075	ng	
53) 3-Nitroaniline	14.481	138	109241	30.463	ng	# 95
54) 2,4-Dinitrophenol	14.687	184	191603	145.288	ng	89
55) Dibenzofuran	14.981	168	807939	37.744	ng	98
56) 4-Nitrophenol	14.793	139	252804	91.273	ng	95
57) 2,4-Dinitrotoluene	14.940	165	215683	48.800	ng	97
58) Fluorene	15.627	166	648202	37.730	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.204	232	218319	47.308	ng	97
60) Diethylphthalate	15.404	149	697489	36.592	ng	99
61) 4-Chlorophenyl-phenyle...	15.621	204	360566	39.671	ng	95
62) 4-Nitroaniline	15.645	138	157269	45.401	ng	94
63) Azobenzene	15.915	77	661364	35.606	ng	96
65) 4,6-Dinitro-2-methylph...	15.703	198	136167	57.014	ng	97
66) n-Nitrosodiphenylamine	15.839	169	612182	38.022	ng	99
67) 4-Bromophenyl-phenylether	16.520	248	254808	44.563	ng	95
68) Hexachlorobenzene	16.632	284	298171	46.193	ng	98
69) Atrazine	16.790	200	237062	42.105	ng	97
70) Pentachlorophenol	16.978	266	389780	92.545	ng	99
71) Phenanthrene	17.366	178	1117736	38.145	ng	99
72) Anthracene	17.460	178	1128819	37.933	ng	100
73) Carbazole	17.730	167	995442	37.940	ng	99
74) Di-n-butylphthalate	18.300	149	1184128	36.200	ng	99
75) Fluoranthene	19.381	202	1352516	38.038	ng	96
77) Benzidine	19.558	184	276188	20.441	ng	99
78) Pyrene	19.740	202	1411157	39.323	ng	99
80) Butylbenzylphthalate	20.645	149	516329	39.442	ng	94
81) Benzo(a)anthracene	21.567	228	1430812	39.559	ng	99
82) 3,3'-Dichlorobenzidine	21.485	252	388549	31.815	ng	96
83) Chrysene	21.638	228	1362112	39.072	ng	100
84) Bis(2-ethylhexyl)phtha...	21.502	149	744763	35.694	ng	98
85) Di-n-octyl phthalate	22.695	149	1295411	38.110	ng	100
87) Indeno(1,2,3-cd)pyrene	28.283	276	1708999	44.467	ng	# 96
88) Benzo(b)fluoranthene	23.735	252	1388938	44.298	ng	# 97
89) Benzo(k)fluoranthene	23.800	252	1403280	43.726	ng	# 98
90) Benzo(a)pyrene	24.575	252	1305303	42.838	ng	98
91) Dibenzo(a,h)anthracene	28.353	278	1411885	43.579	ng	95
92) Benzo(g,h,i)perylene	29.387	276	1310432	41.580	ng	96

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



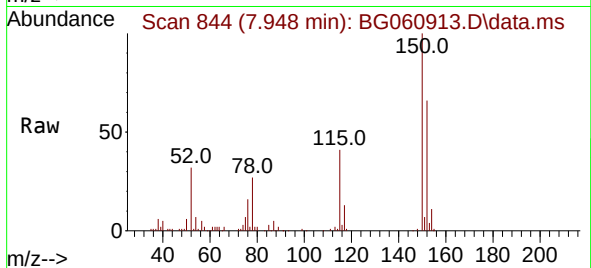
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.948 min Scan# 84
 Delta R.T. -0.013 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

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PB160120BS



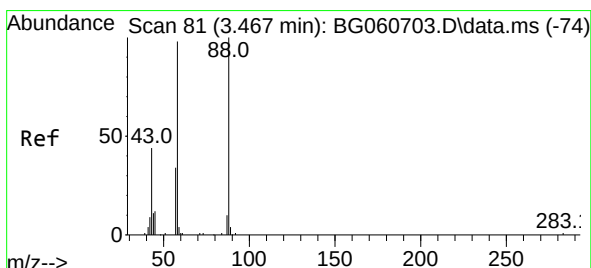
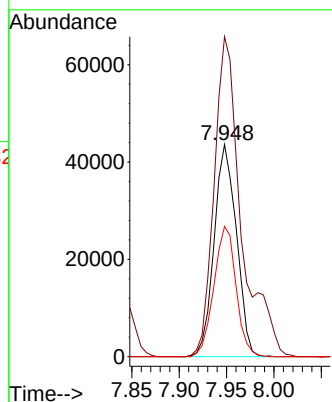
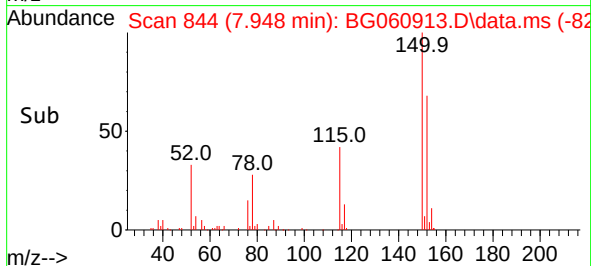
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 Ion Ratio Lower Upper
 152 100
 150 150.8 130.2 195.4
 115 61.4 51.6 77.4

Manual Integrations

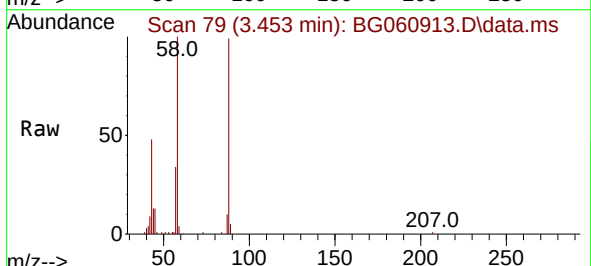
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

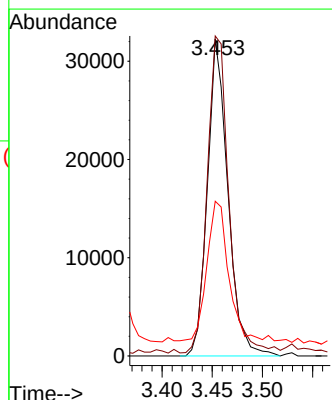
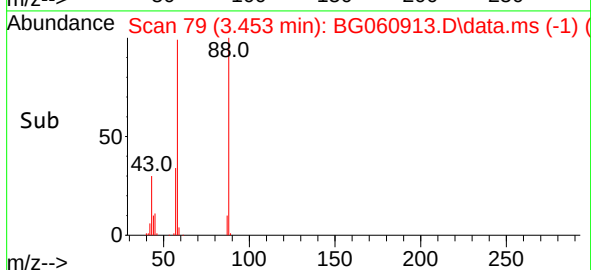
Supervised By :mohammad ahmed 04/18/2024

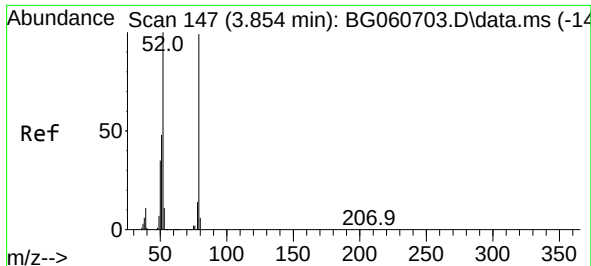


#2
 1,4-Dioxane
 Concen: 26.187 ng
 RT: 3.453 min Scan# 79
 Delta R.T. -0.014 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32



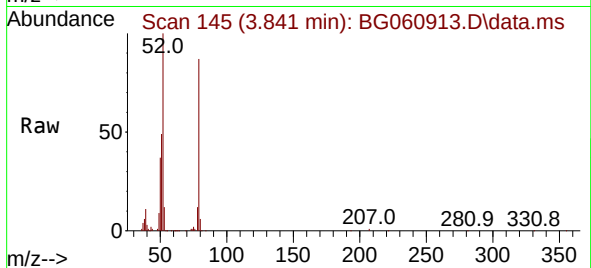
Tgt Ion: 88 Resp: 46065
 Ion Ratio Lower Upper
 88 100
 58 104.3 80.9 121.3
 43 47.3 35.4 53.0





#3
Pyridine
Concen: 22.644 ng
RT: 3.841 min Scan# 147
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

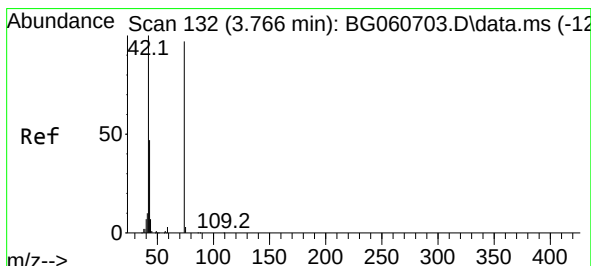
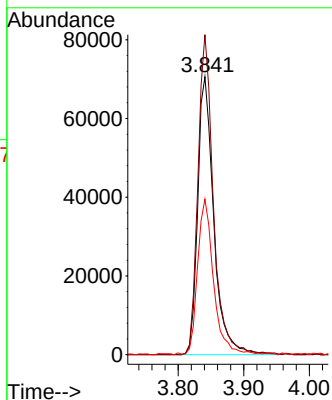
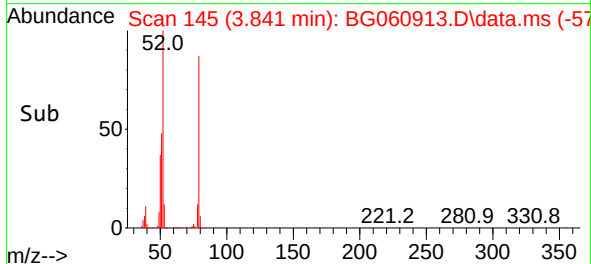
Instrument :
BNA_G
ClientSampleId :
PB160120BS



Tgt Ion: 79 Resp: 12014
Ion Ratio Lower Upper
79 100
52 115.2 80.6 120.8
51 56.0 39.1 58.7

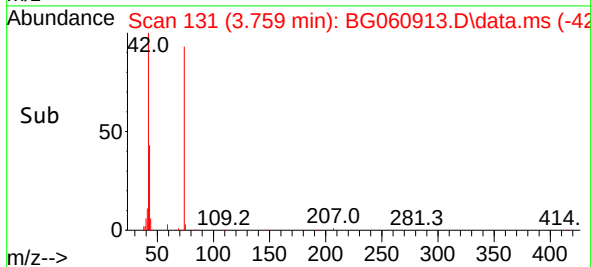
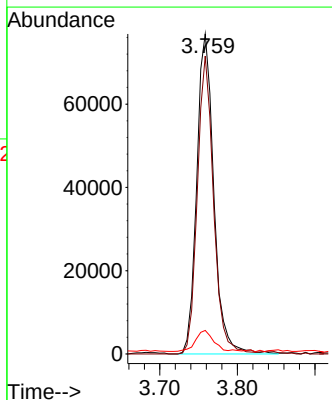
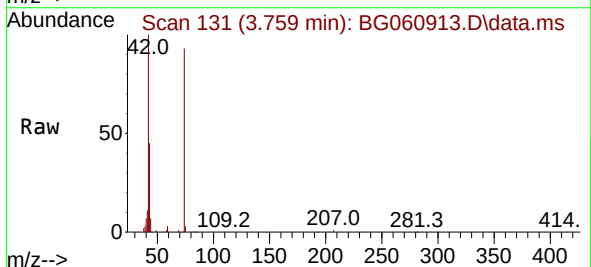
Manual Integrations
APPROVED

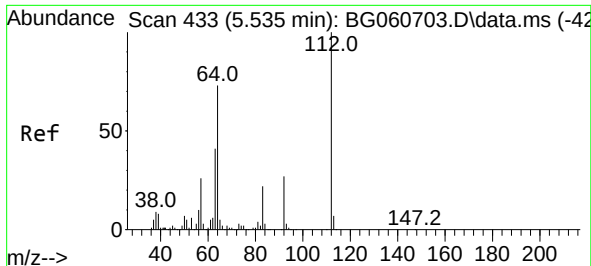
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#4
n-Nitrosodimethylamine
Concen: 37.107 ng
RT: 3.759 min Scan# 131
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 42 Resp: 117691
Ion Ratio Lower Upper
42 100
74 93.1 77.8 116.8
44 7.3 6.8 10.2





#5
2-Fluorophenol
Concen: 128.399 ng
RT: 5.539 min Scan# 411
Delta R.T. 0.004 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

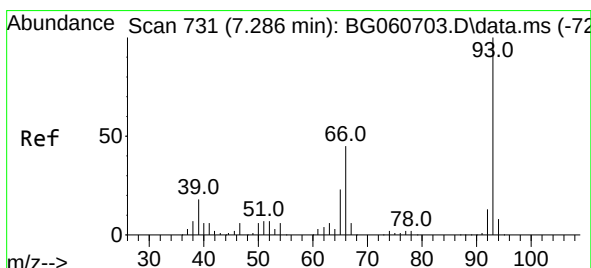
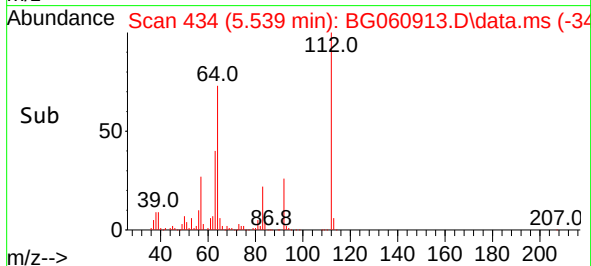
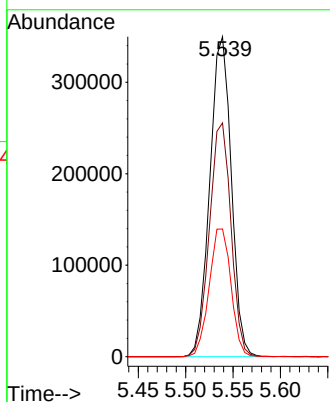
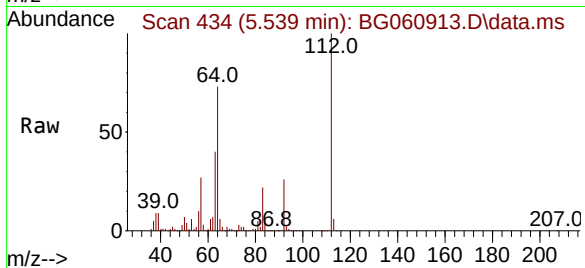
ClientSampleId :

PB160120BS

Tgt Ion:112 Resp: 55088
Ion Ratio Lower Upper
112 100
64 73.1 58.4 87.6
63 39.9 32.7 49.1

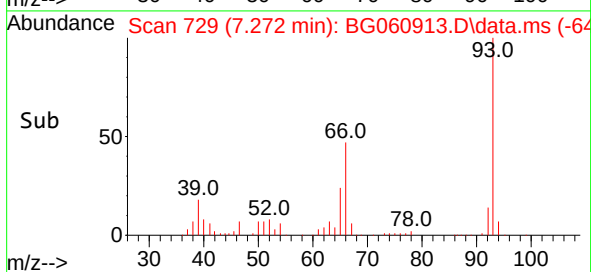
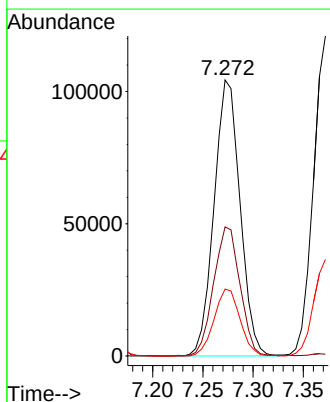
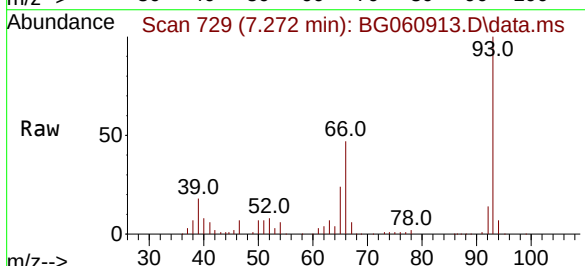
Manual Integrations
APPROVED

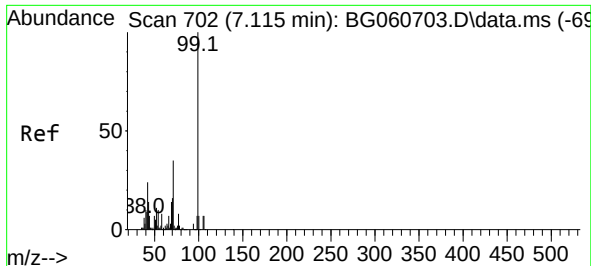
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#6
Aniline
Concen: 23.366 ng
RT: 7.272 min Scan# 729
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

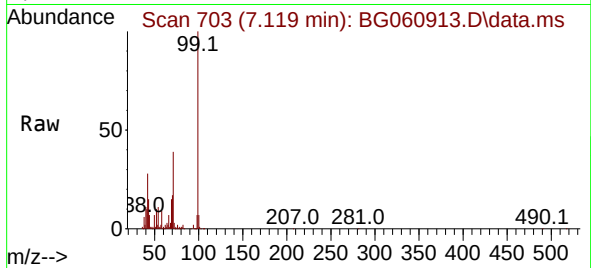
Tgt Ion: 93 Resp: 187922
Ion Ratio Lower Upper
93 100
66 46.8 36.1 54.1
65 24.2 18.1 27.1





#7
Phenol-d6
Concen: 117.342 ng
RT: 7.119 min Scan# 702
Delta R.T. 0.004 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

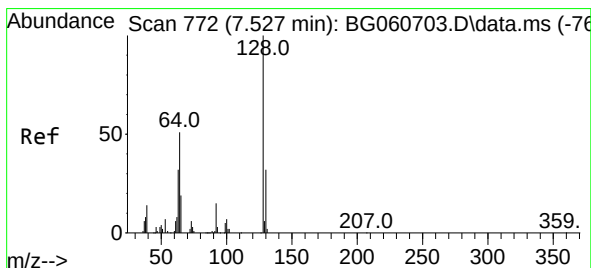
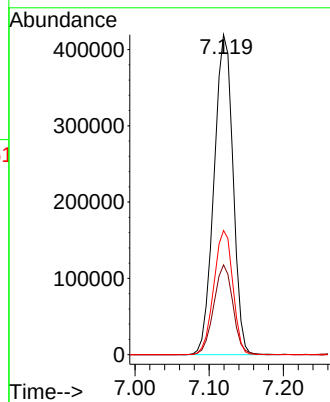
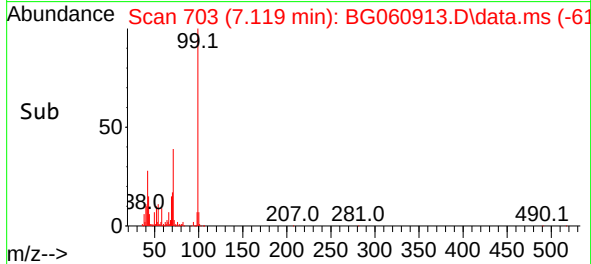
Instrument :
BNA_G
ClientSampleId :
PB160120BS



Tgt Ion: 99 Resp: 747310
Ion Ratio Lower Upper
99 100
42 28.0 19.4 29.2
71 38.8 28.2 42.2

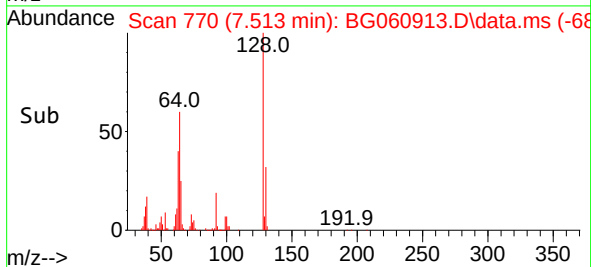
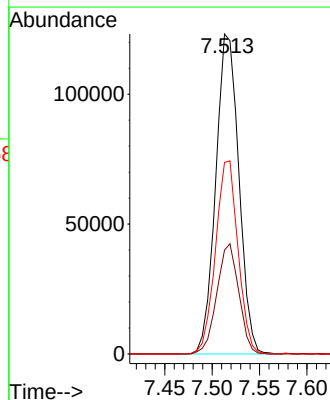
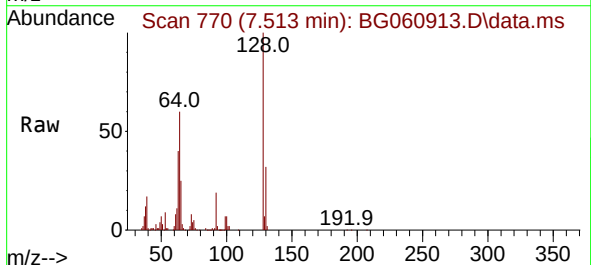
Manual Integrations
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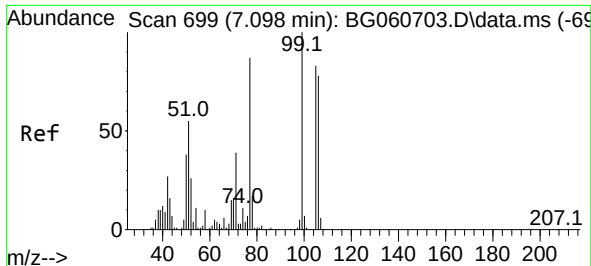
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#8
2-Chlorophenol
Concen: 42.989 ng
RT: 7.513 min Scan# 770
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:128 Resp: 209104
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 59.9 35.0 75.0





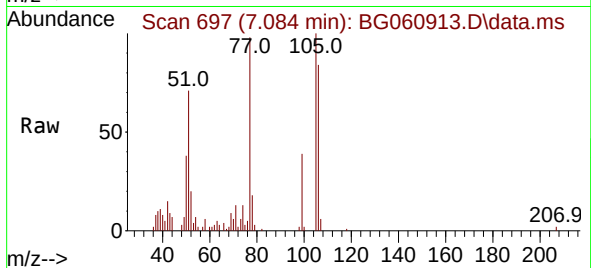
#9
Benzaldehyde
Concen: 7.919 ng m
RT: 7.084 min Scan# 697
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

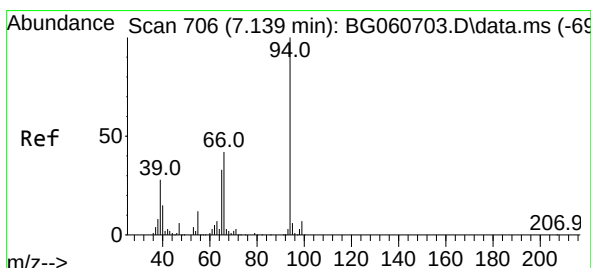
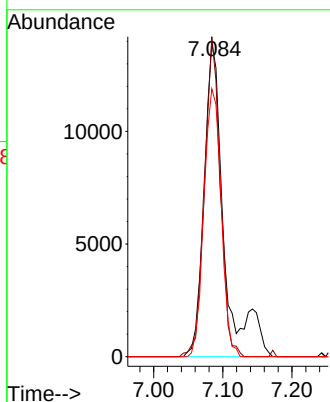
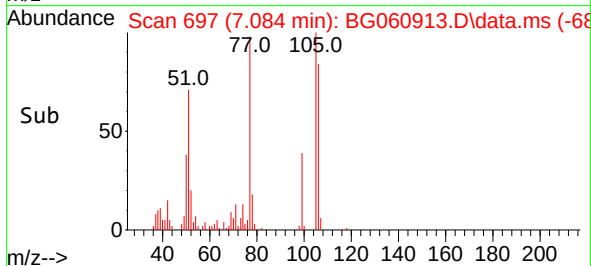
PB160120BS



Tgt Ion: 77 Resp: 2781
Ion Ratio Lower Upper
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105 102.0 76.0 116.0
106 85.4 70.3 110.3

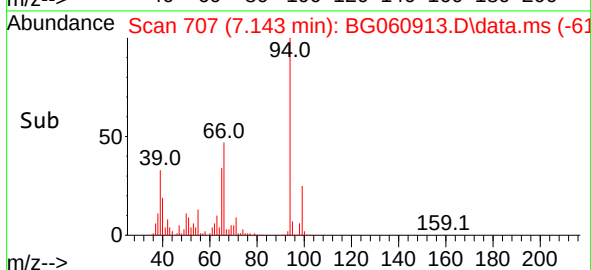
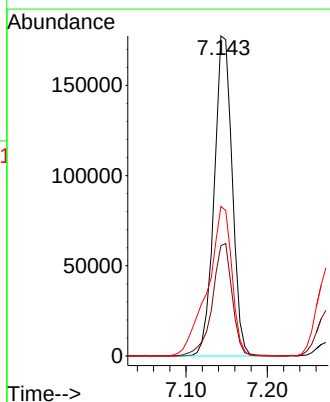
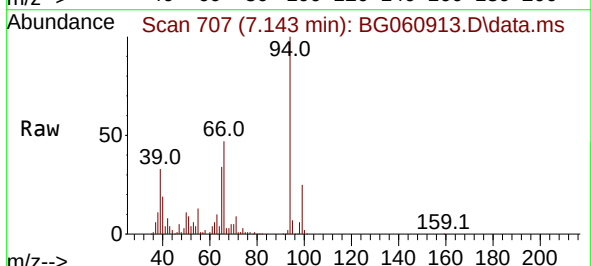
Manual Integrations
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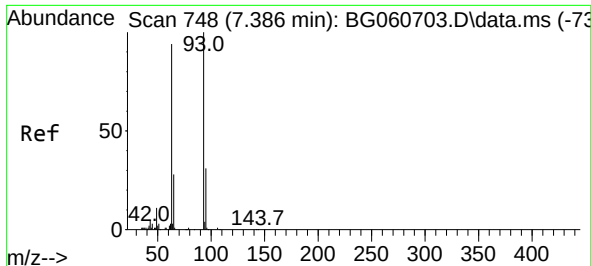
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#10
Phenol
Concen: 42.030 ng
RT: 7.143 min Scan# 707
Delta R.T. 0.004 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

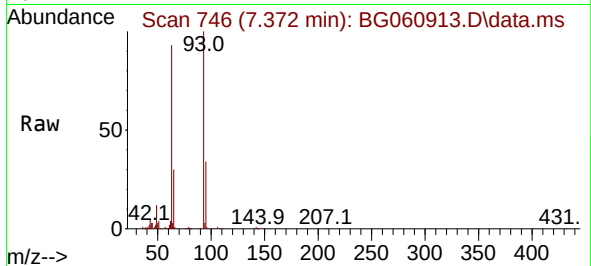
Tgt Ion: 94 Resp: 273175
Ion Ratio Lower Upper
94 100
65 34.4 13.3 53.3
66 46.7 22.9 62.9





#11
bis(2-Chloroethyl)ether
Concen: 35.501 ng
RT: 7.372 min Scan# 748
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

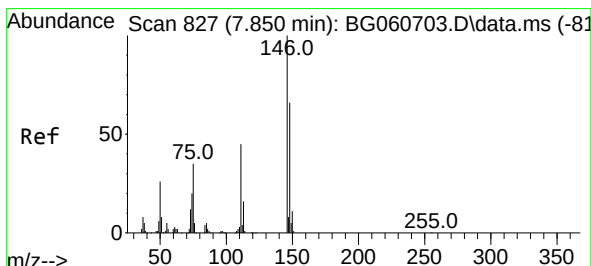
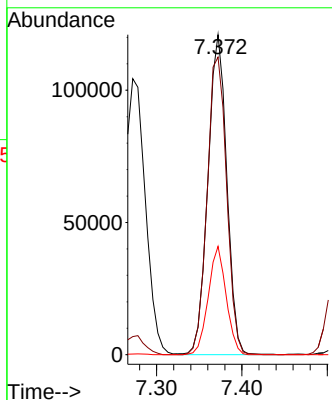
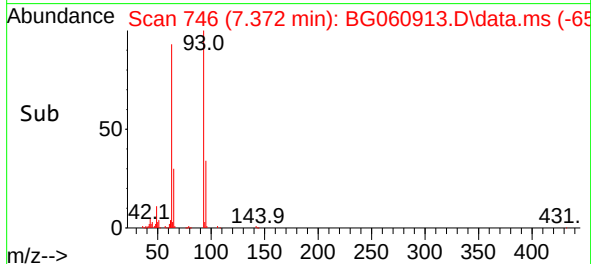
Instrument :
BNA_G
ClientSampleId :
PB160120BS



Tgt Ion: 93 Resp: 18629
Ion Ratio Lower Upper
93 100
63 93.0 73.7 113.7
95 33.9 11.2 51.2

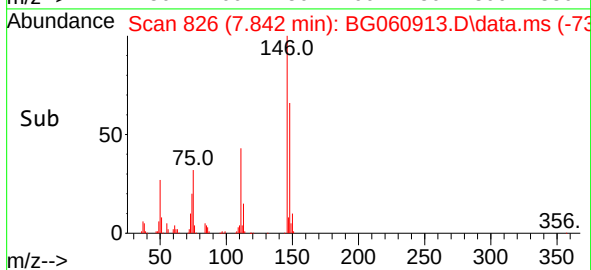
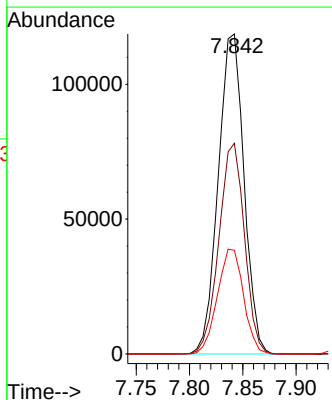
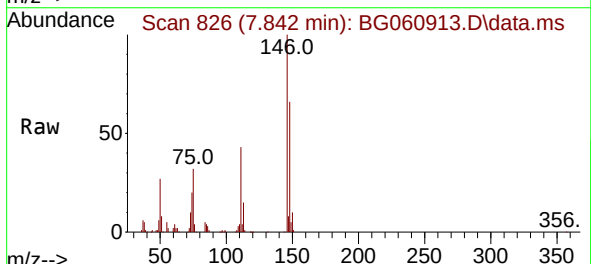
Manual Integrations
APPROVED

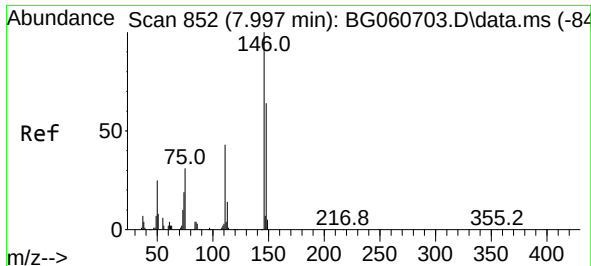
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#12
1,3-Dichlorobenzene
Concen: 39.376 ng
RT: 7.842 min Scan# 826
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:146 Resp: 199175
Ion Ratio Lower Upper
146 100
148 65.8 53.0 79.4
75 32.4 28.1 42.1





#13
1,4-Dichlorobenzene
Concen: 39.430 ng
RT: 7.983 min Scan# 850
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

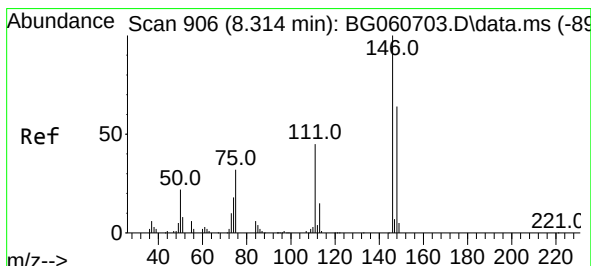
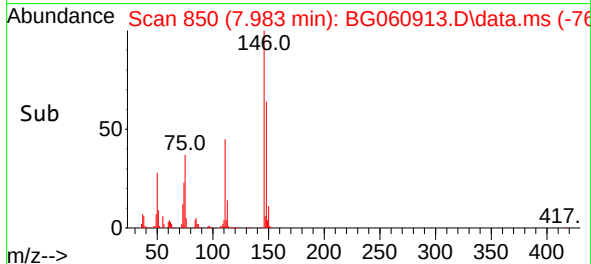
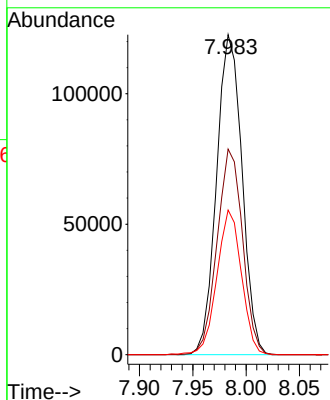
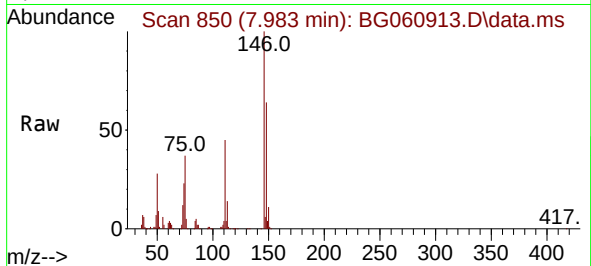
ClientSampleId :

PB160120BS

Tgt Ion:146 Resp: 203479
Ion Ratio Lower Upper
146 100
148 64.2 51.1 76.7
111 45.2 35.0 52.6

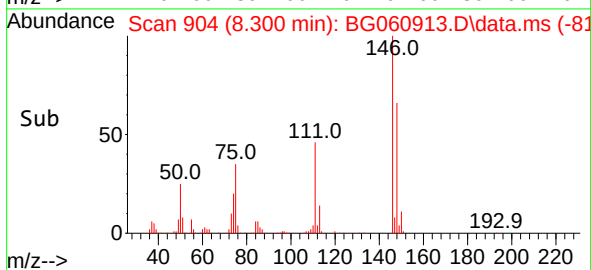
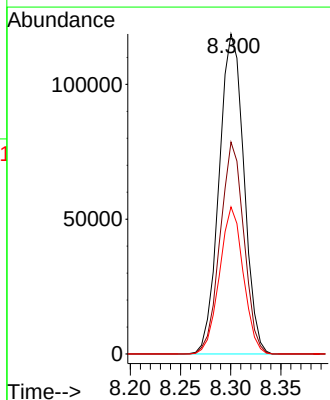
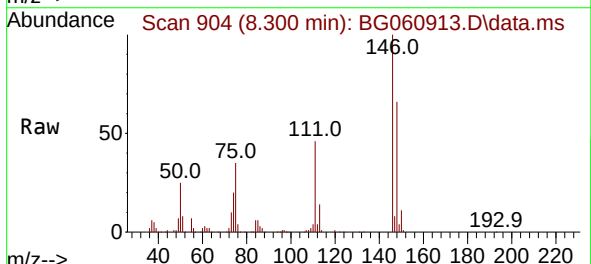
Manual Integrations
APPROVED

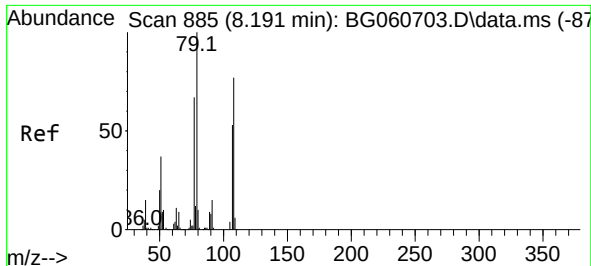
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#14
1,2-Dichlorobenzene
Concen: 40.344 ng
RT: 8.300 min Scan# 904
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

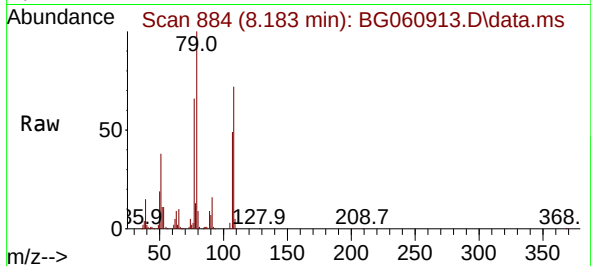
Tgt Ion:146 Resp: 204031
Ion Ratio Lower Upper
146 100
148 66.2 51.0 76.6
111 46.0 36.0 54.0





#15
Benzyl Alcohol
Concen: 40.419 ng
RT: 8.183 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

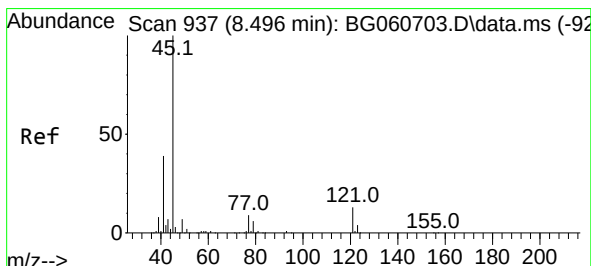
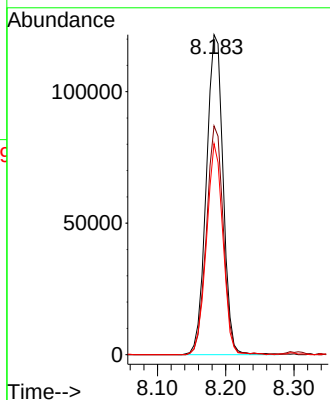
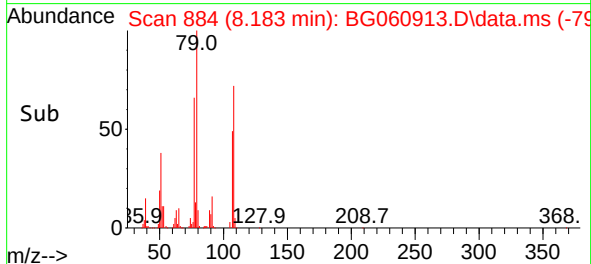
Instrument :
BNA_G
ClientSampleId :
PB160120BS



Tgt Ion: 79 Resp: 20851
Ion Ratio Lower Upper
79 100
108 71.5 61.4 92.0
77 65.9 53.6 80.4

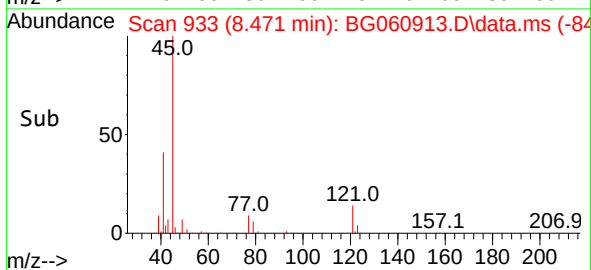
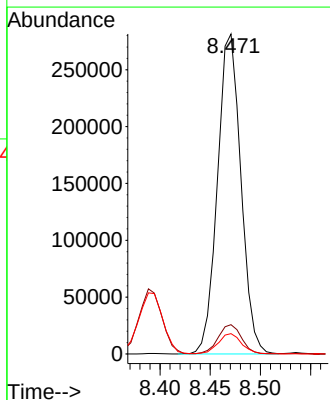
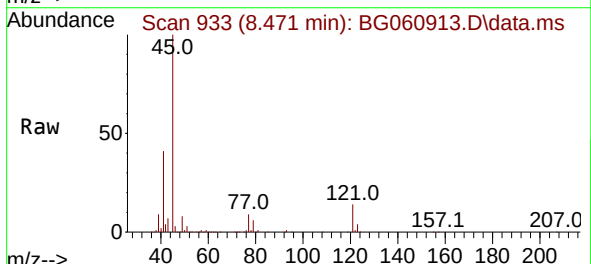
Manual Integrations
APPROVED

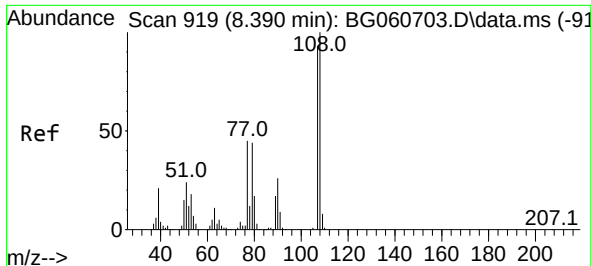
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.579 ng
RT: 8.471 min Scan# 933
Delta R.T. -0.025 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 45 Resp: 456874
Ion Ratio Lower Upper
45 100
77 9.1 0.0 29.1
79 6.3 0.0 26.5





#17
2-Methylphenol
Concen: 38.225 ng
RT: 8.394 min Scan# 919
Delta R.T. 0.004 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

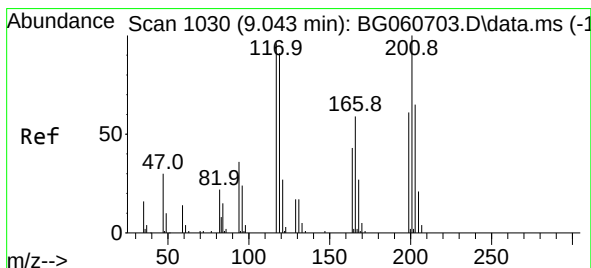
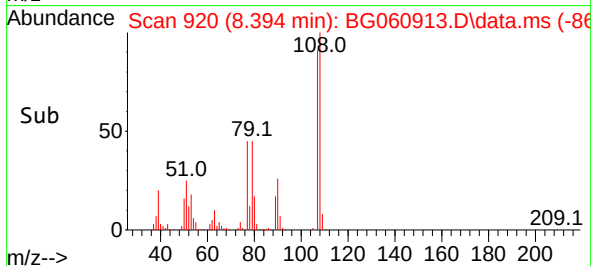
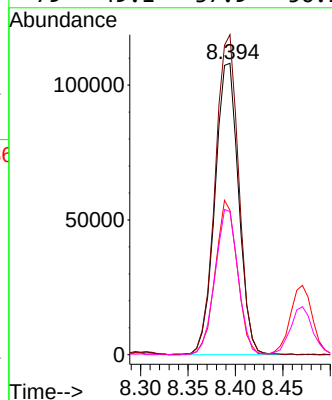
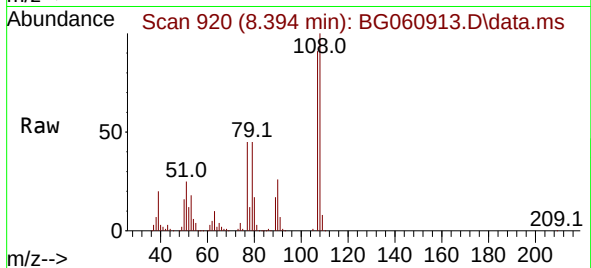
PB160120BS

Tgt Ion:107 Resp: 18755
Ion Ratio Lower Upper
107 100
108 109.8 86.4 129.6
77 49.5 38.6 58.0
79 49.1 37.9 56.9

Manual Integrations

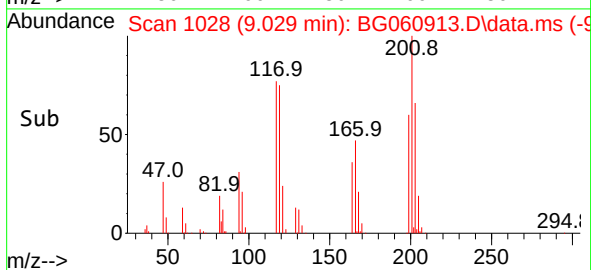
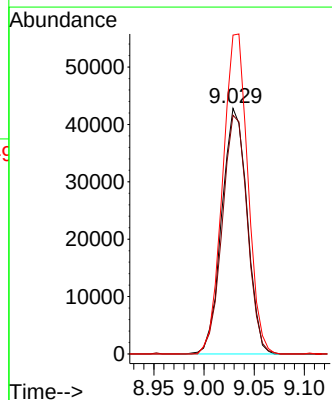
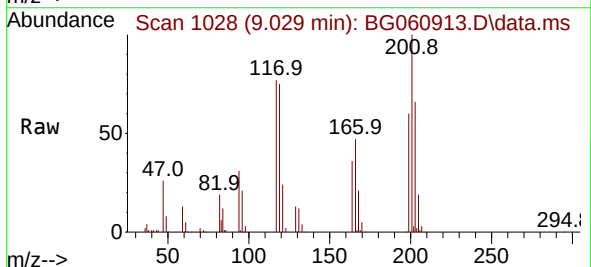
APPROVED

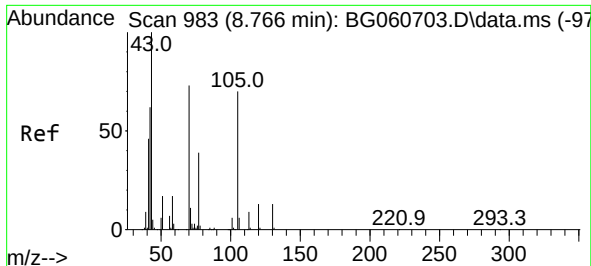
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#18
Hexachloroethane
Concen: 40.835 ng
RT: 9.029 min Scan# 1028
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:117 Resp: 74842
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
201 129.8 83.4 125.2#





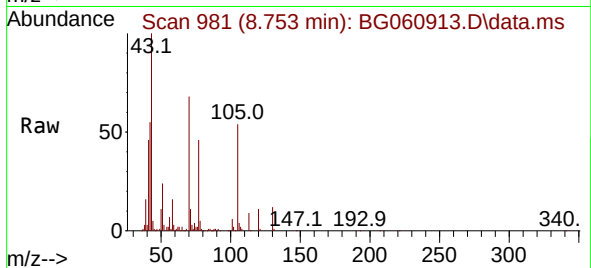
#19
n-Nitroso-di-n-propylamine
Concen: 35.447 ng
RT: 8.753 min Scan# 981
Delta R.T. -0.013 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



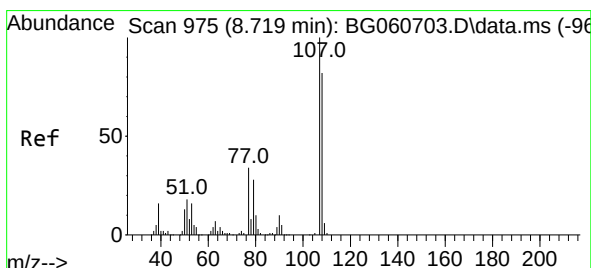
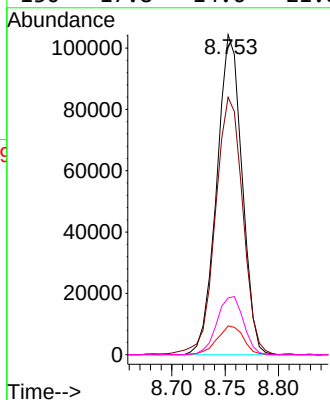
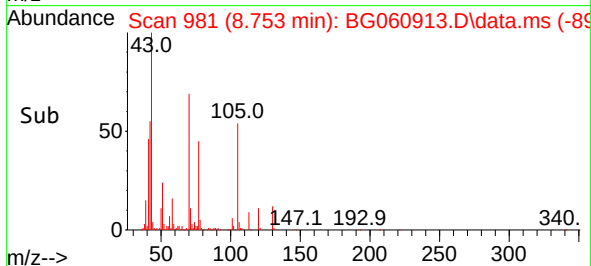
Tgt Ion: 70 Resp: 17215
Ion Ratio Lower Upper
70 100
42 80.5 68.4 102.6
101 9.0 6.1 9.1
130 17.8 14.6 21.8

Manual Integrations

APPROVED

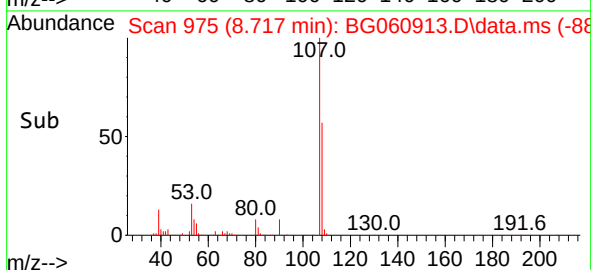
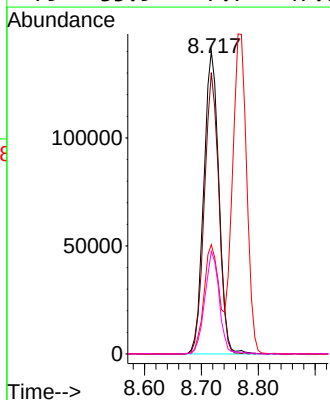
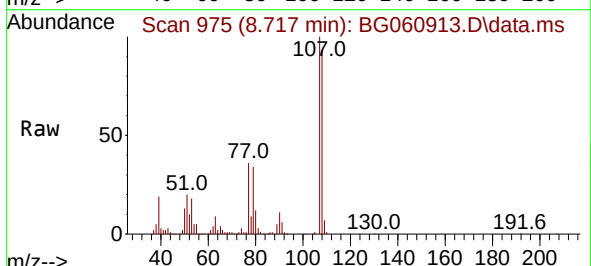
Reviewed By :Yogesh Patel 04/17/2024

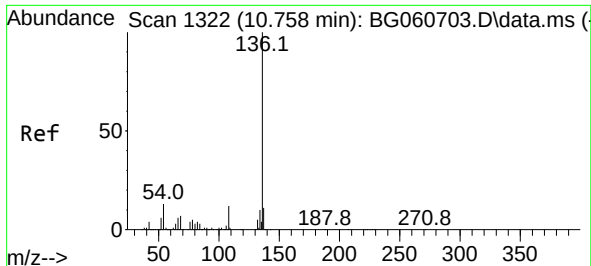
Supervised By :mohammad ahmed 04/18/2024



#20
3+4-Methylphenols
Concen: 38.333 ng
RT: 8.717 min Scan# 975
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:107 Resp: 257562
Ion Ratio Lower Upper
107 100
108 92.9 62.2 102.2
77 36.1 14.1 54.1
79 33.9 7.7 47.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 1320
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

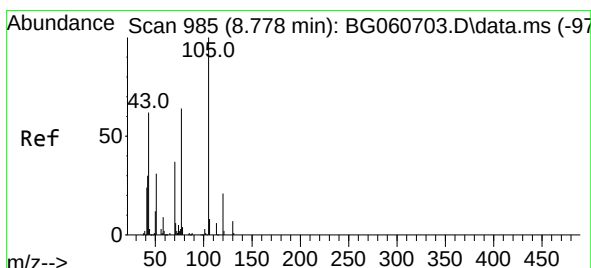
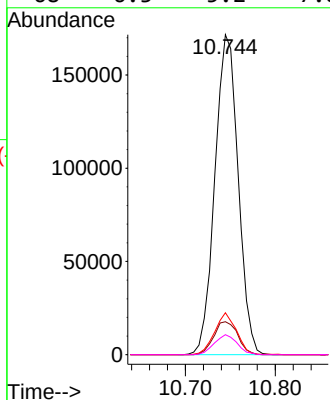
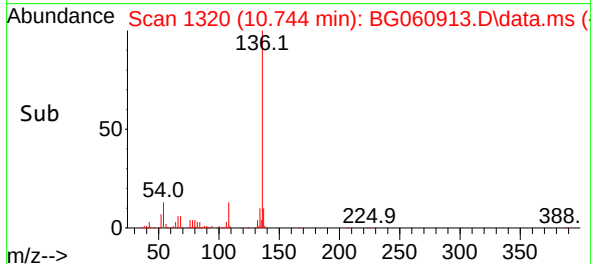
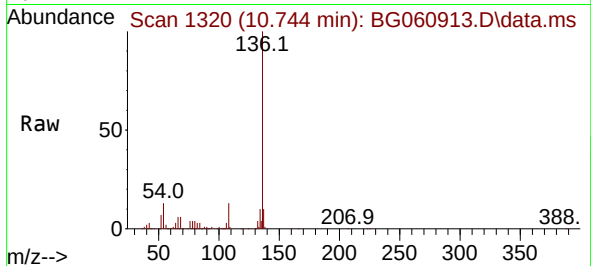
ClientSampleId :

PB160120BS

Tgt Ion:136 Resp: 30878
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 13.1 10.2 15.2
68 6.3 5.2 7.8

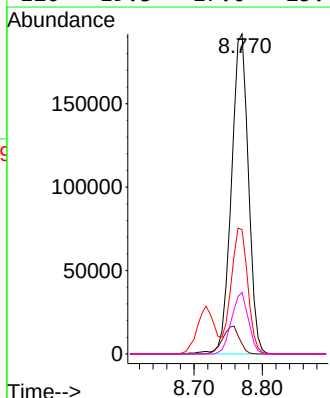
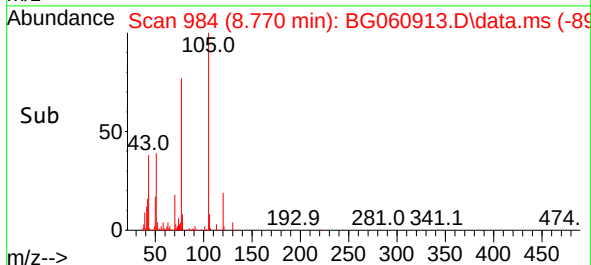
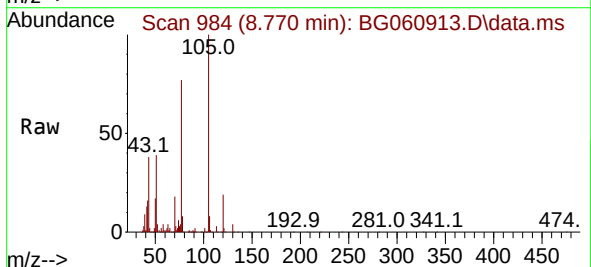
Manual Integrations
APPROVED

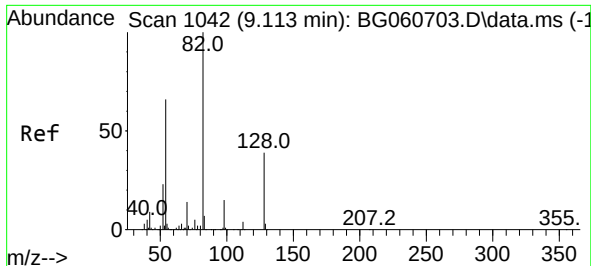
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#22
Acetophenone
Concen: 39.074 ng
RT: 8.770 min Scan# 984
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:105 Resp: 332695
Ion Ratio Lower Upper
105 100
71 3.2 4.9 7.3#
51 38.9 31.1 46.7
120 19.3 17.0 25.4





#23
Nitrobenzene-d5
Concen: 90.217 ng
RT: 9.105 min Scan# 1041
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

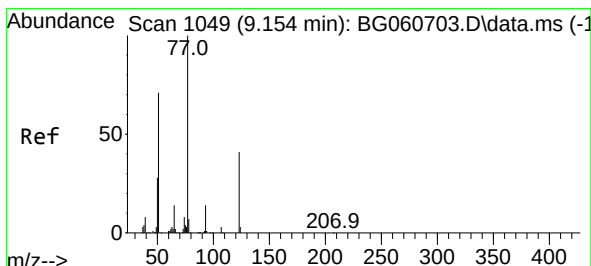
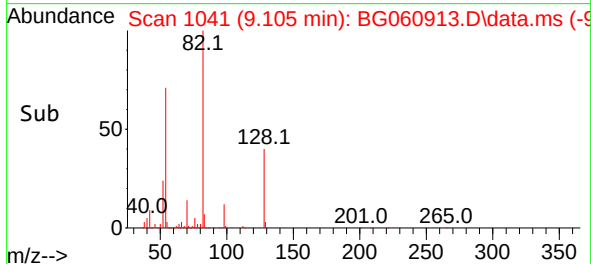
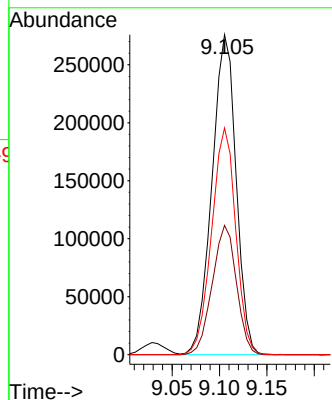
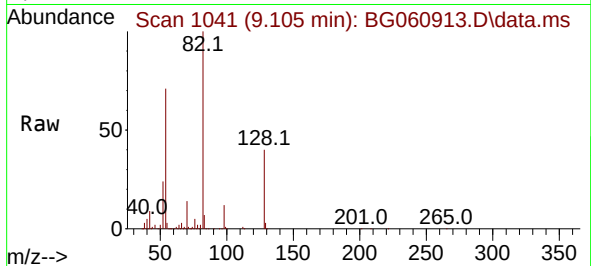
ClientSampleId :

PB160120BS

Tgt Ion: 82 Resp: 488209
Ion Ratio Lower Upper
82 100
128 40.4 31.2 46.8
54 70.9 53.2 79.8

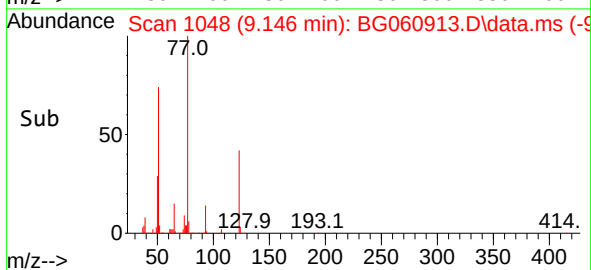
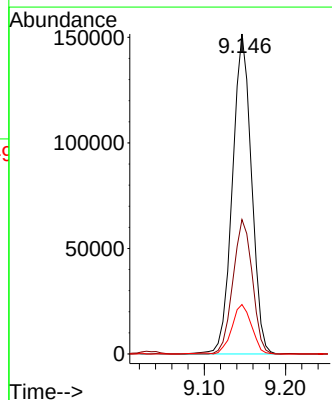
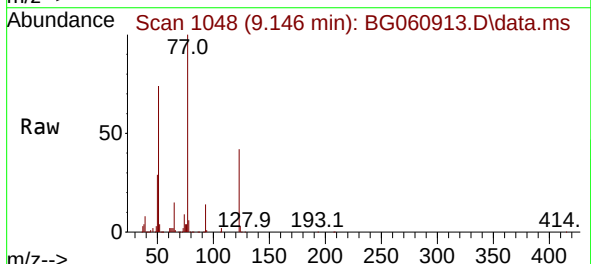
Manual Integrations
APPROVED

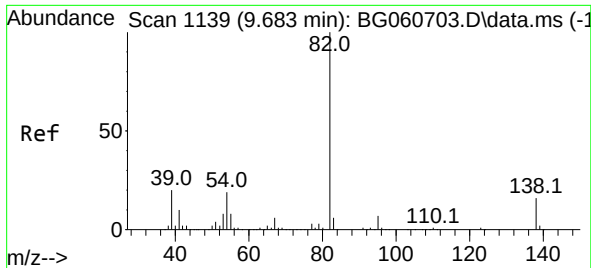
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#24
Nitrobenzene
Concen: 41.397 ng
RT: 9.146 min Scan# 1048
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 77 Resp: 246918
Ion Ratio Lower Upper
77 100
123 42.0 32.7 49.1
65 15.4 11.3 16.9





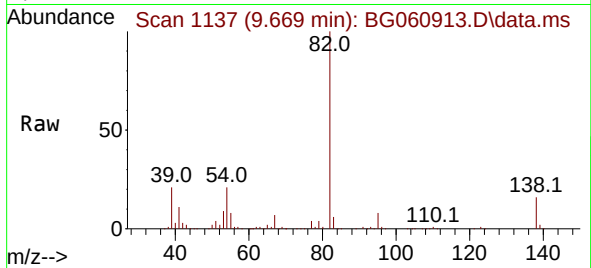
#25
Isophorone
Concen: 37.737 ng
RT: 9.669 min Scan# 1137
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



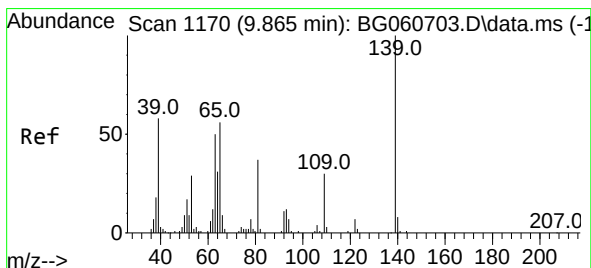
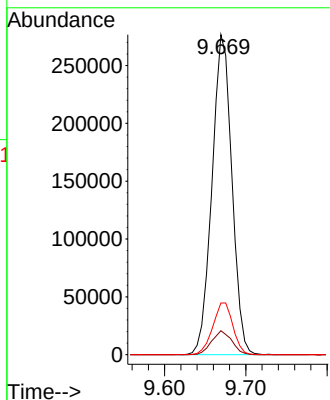
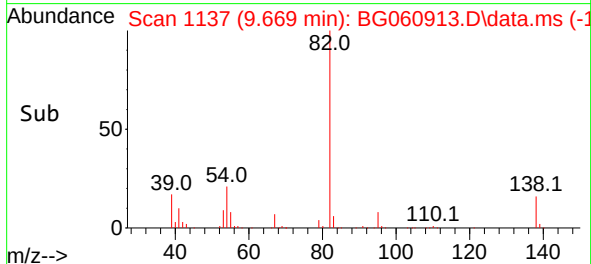
Tgt Ion: 82 Resp: 470350
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.8
138 16.2 13.0 19.4

Manual Integrations

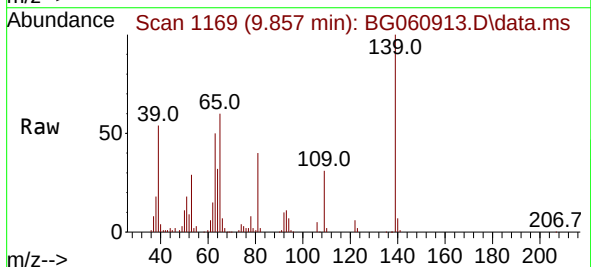
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

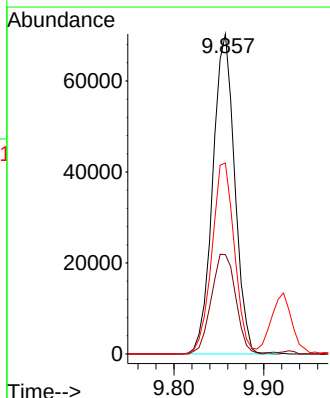
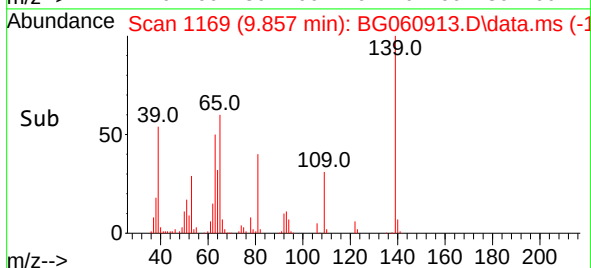
Supervised By :mohammad ahmed 04/18/2024

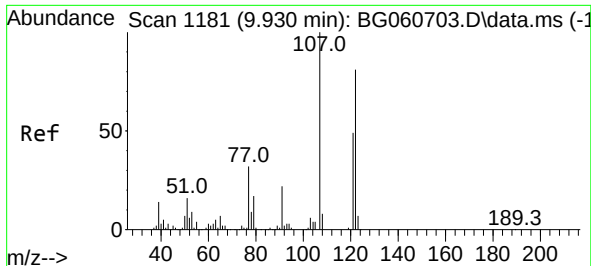


#26
2-Nitrophenol
Concen: 54.870 ng
RT: 9.857 min Scan# 1169
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:139 Resp: 119170
Ion Ratio Lower Upper
139 100
109 31.0 23.9 35.9
65 59.6 44.5 66.7





#27

2,4-Dimethylphenol

Concen: 32.436 ng

RT: 9.922 min Scan# 1181

Delta R.T. -0.008 min

Lab File: BG060913.D

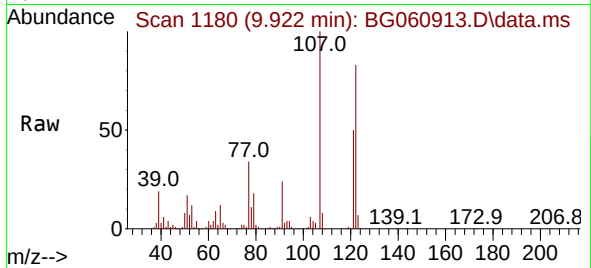
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



Tgt Ion:122 Resp: 162400

Ion Ratio Lower Upper

122 100

107 120.0 98.6 147.8

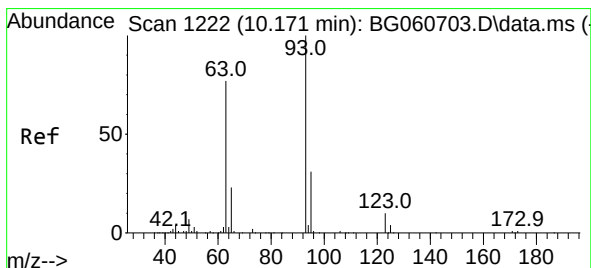
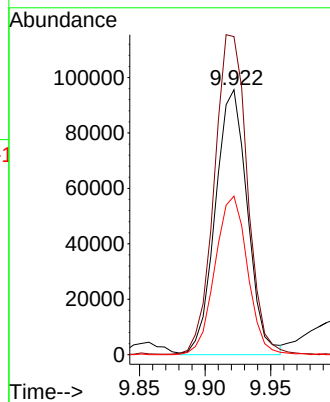
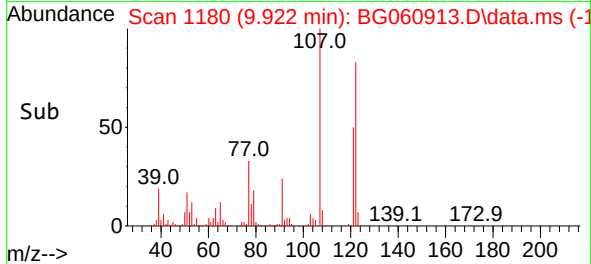
121 59.8 48.1 72.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#28

bis(2-Chloroethoxy)methane

Concen: 37.056 ng

RT: 10.157 min Scan# 1220

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

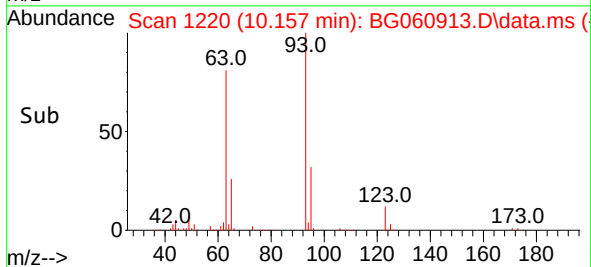
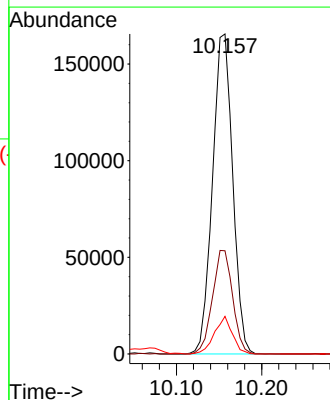
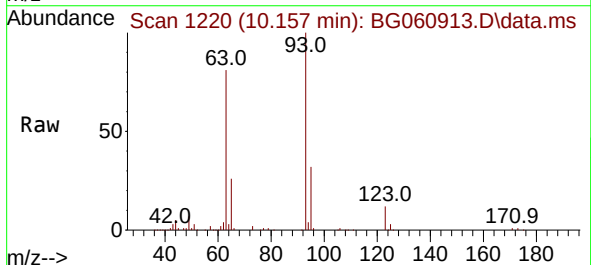
Tgt Ion: 93 Resp: 272680

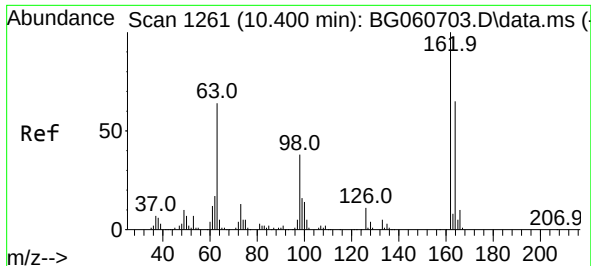
Ion Ratio Lower Upper

93 100

95 32.3 25.1 37.7

123 11.7 8.0 12.0





#29
2,4-Dichlorophenol
Concen: 47.980 ng
RT: 10.392 min Scan# 1260
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

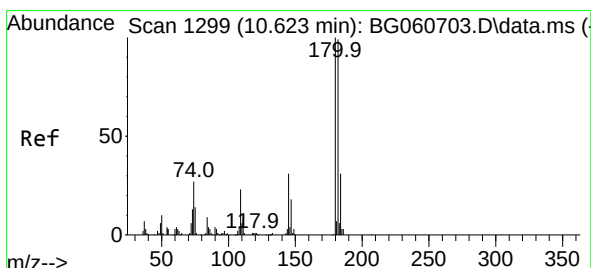
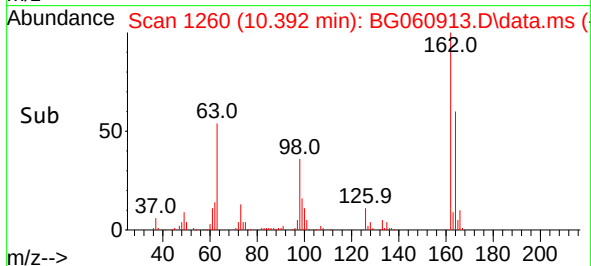
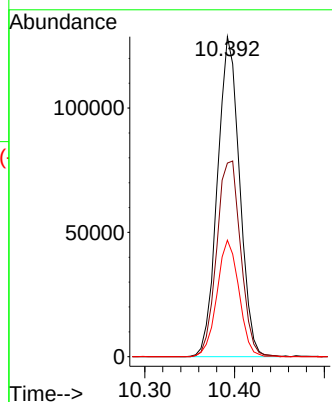
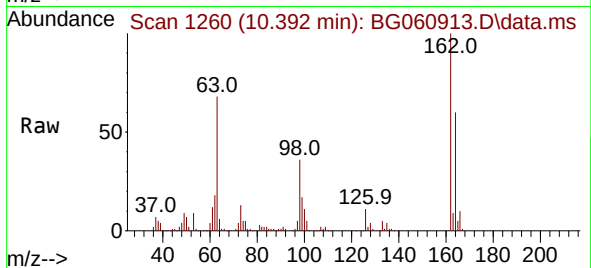
ClientSampleId :

PB160120BS

Tgt Ion:162 Resp: 220600
Ion Ratio Lower Upper
162 100
164 60.5 45.2 85.2
98 36.4 17.7 57.7

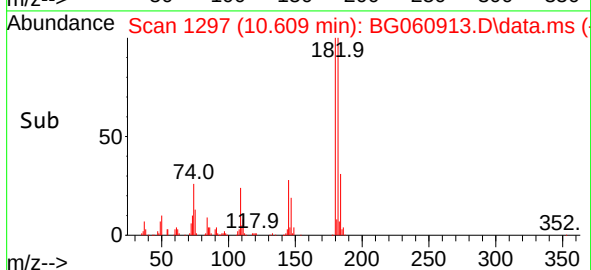
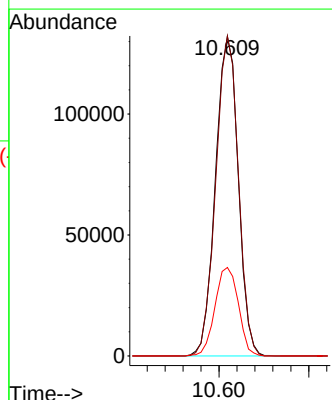
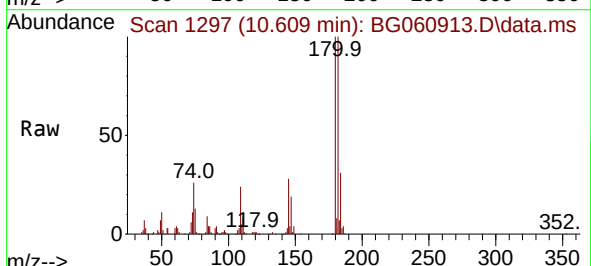
Manual Integrations
APPROVED

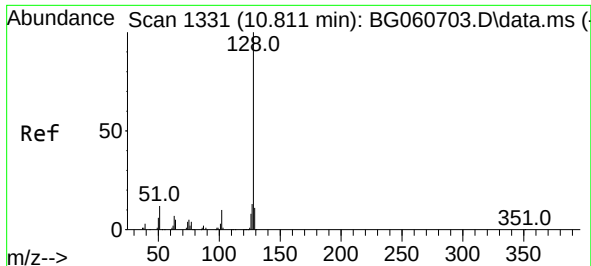
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#30
1,2,4-Trichlorobenzene
Concen: 44.620 ng
RT: 10.609 min Scan# 1297
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:180 Resp: 232301
Ion Ratio Lower Upper
180 100
182 100.1 79.0 118.4
145 27.7 24.9 37.3





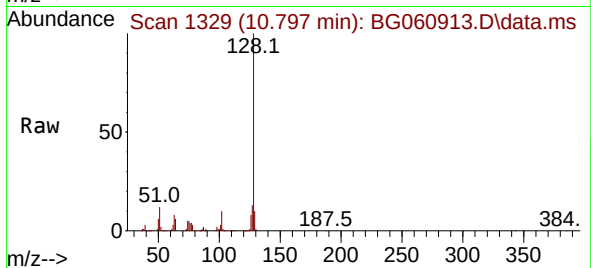
#31
Naphthalene
Concen: 38.516 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



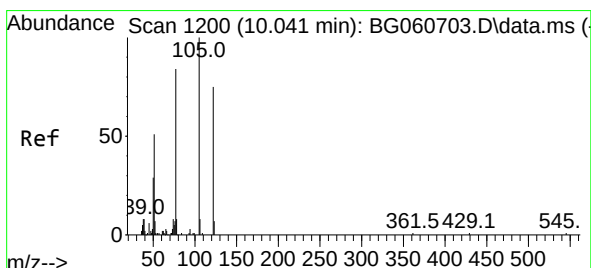
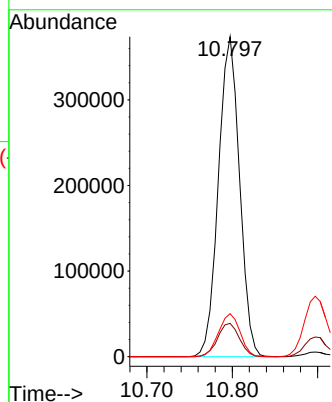
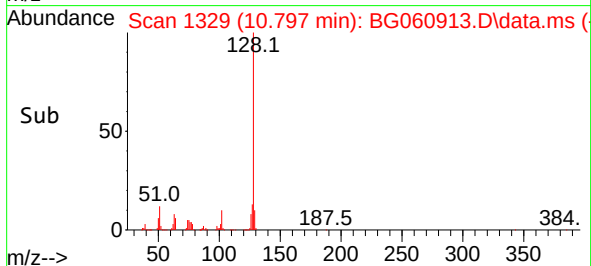
Tgt Ion:128 Resp: 643348
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 13.4 10.5 15.7

Manual Integrations

APPROVED

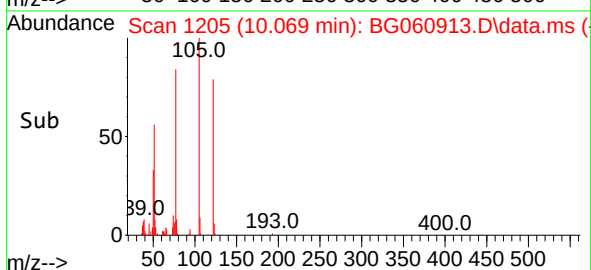
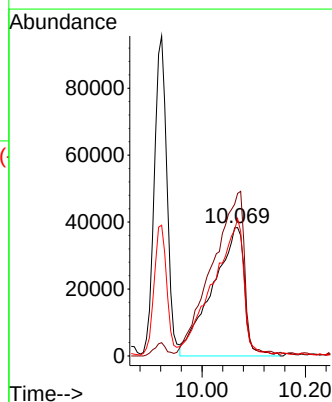
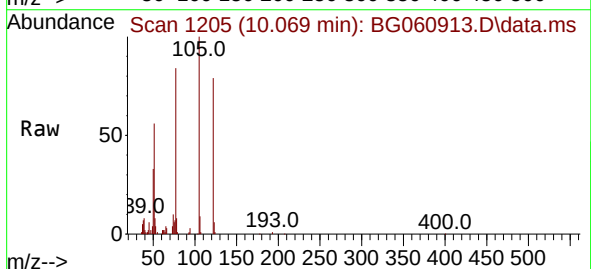
Reviewed By :Yogesh Patel 04/17/2024

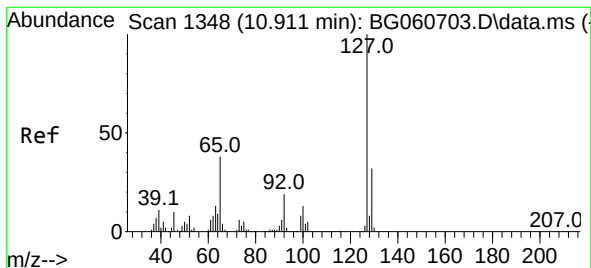
Supervised By :mohammad ahmed 04/18/2024



#32
Benzoic acid
Concen: 49.159 ng
RT: 10.069 min Scan# 1205
Delta R.T. 0.028 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:122 Resp: 164399
Ion Ratio Lower Upper
122 100
105 126.6 104.5 144.5
77 107.0 85.3 125.3





#33
4-Chloroaniline
Concen: 16.996 ng
RT: 10.897 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

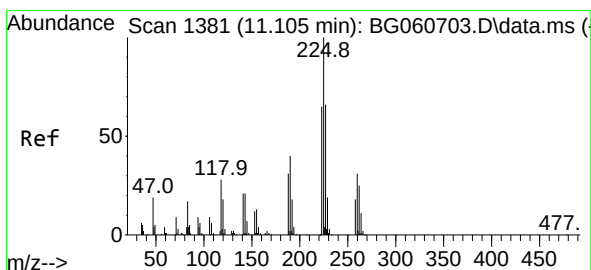
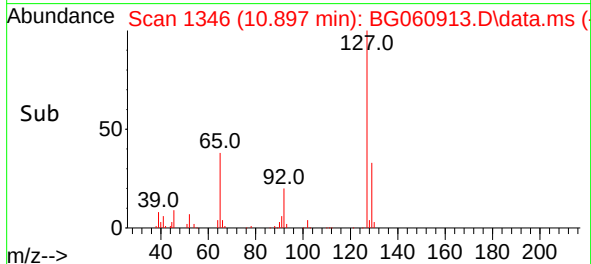
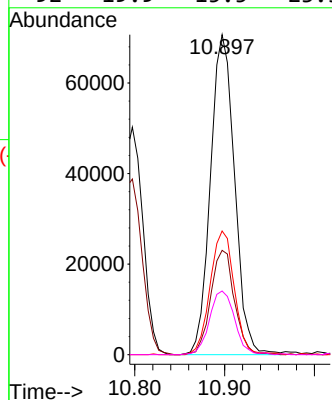
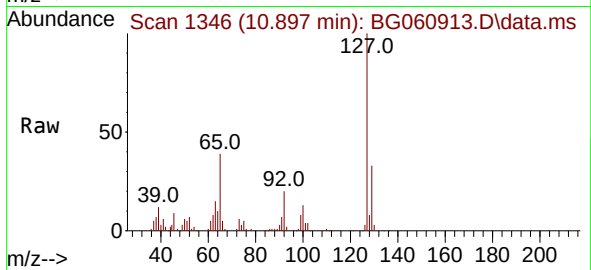
ClientSampleId :

PB160120BS

Tgt Ion:127 Resp: 13186
Ion Ratio Lower Upper
127 100
129 32.6 25.3 37.9
65 38.6 30.2 45.2
92 19.9 15.5 23.3

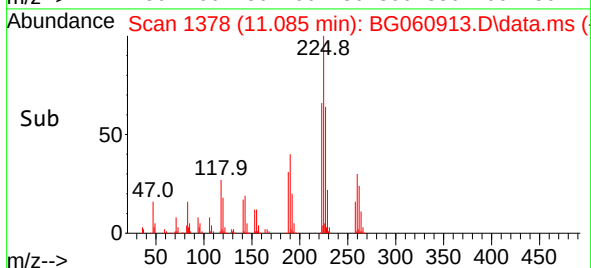
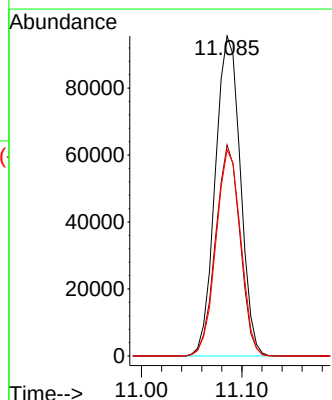
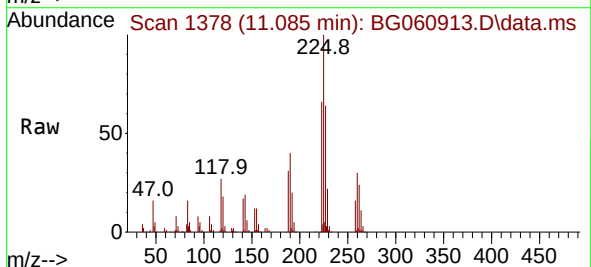
Manual Integrations
APPROVED

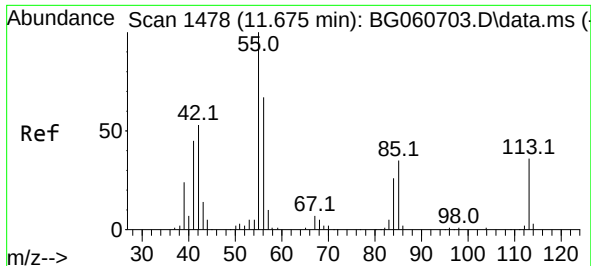
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#34
Hexachlorobutadiene
Concen: 47.826 ng
RT: 11.085 min Scan# 1378
Delta R.T. -0.020 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:225 Resp: 165941
Ion Ratio Lower Upper
225 100
223 65.9 52.0 78.0
227 64.4 52.5 78.7





#35
Caprolactam
Concen: 39.603 ng m
RT: 11.673 min Scan# 1478
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

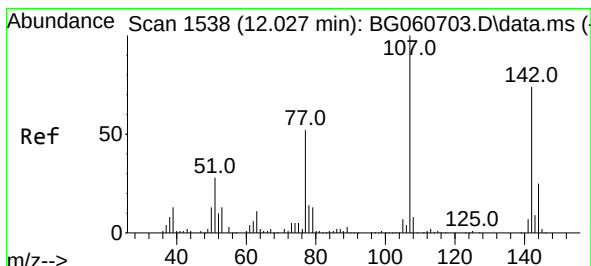
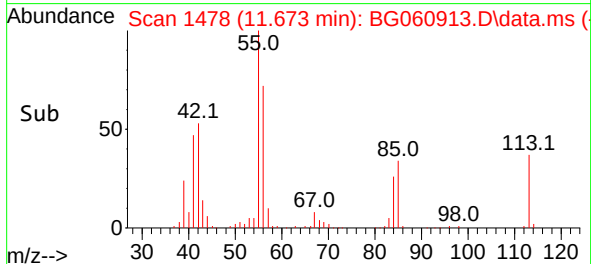
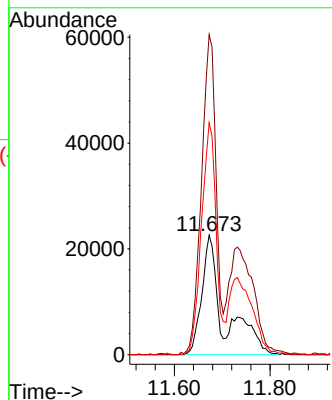
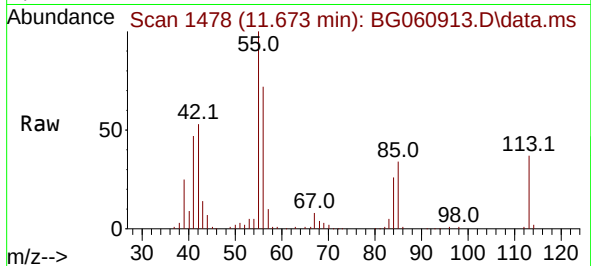
Tgt Ion:113 Resp: 72110
Ion Ratio Lower Upper
113 100
55 268.3 258.0 298.0
56 194.4 166.3 206.3

Manual Integrations

APPROVED

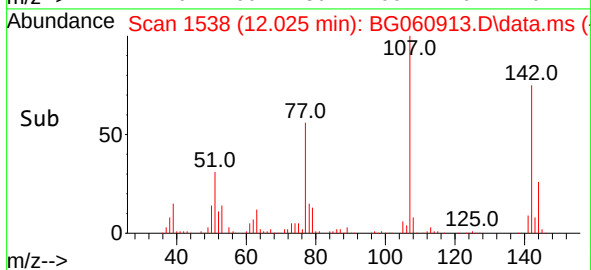
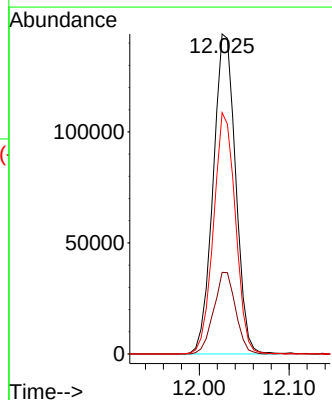
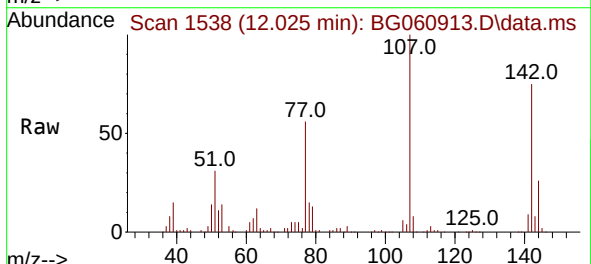
Reviewed By :Yogesh Patel 04/17/2024

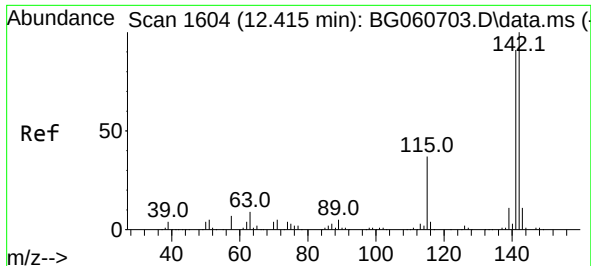
Supervised By :mohammad ahmed 04/18/2024



#36
4-Chloro-3-methylphenol
Concen: 42.642 ng
RT: 12.025 min Scan# 1538
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:107 Resp: 250454
Ion Ratio Lower Upper
107 100
144 25.5 20.0 30.0
142 75.4 59.2 88.8





#37

2-Methylnaphthalene

Concen: 37.728 ng

RT: 12.401 min Scan# 1

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:142 Resp: 463318

Ion Ratio Lower Upper

142 100

141 91.6 72.7 109.1

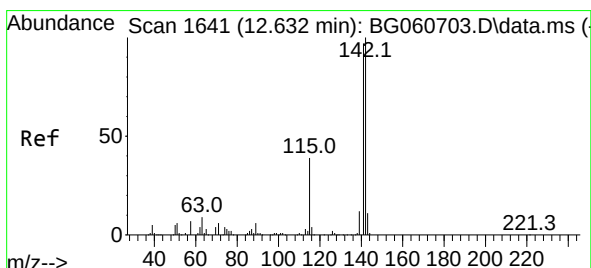
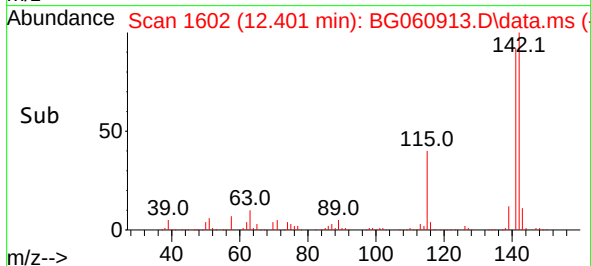
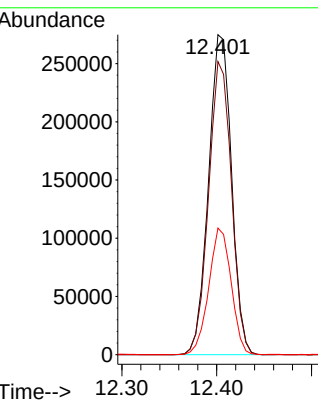
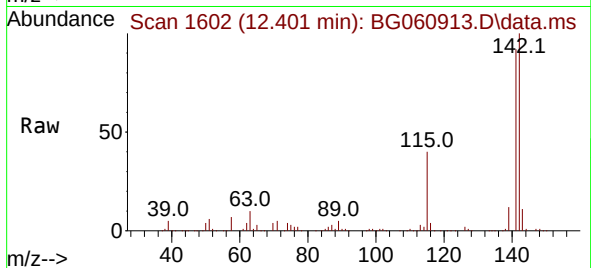
115 39.6 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#38

1-Methylnaphthalene

Concen: 37.477 ng

RT: 12.625 min Scan# 1640

Delta R.T. -0.008 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

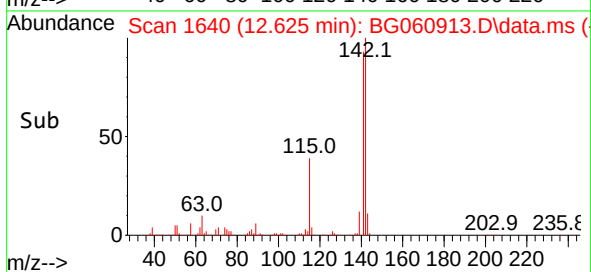
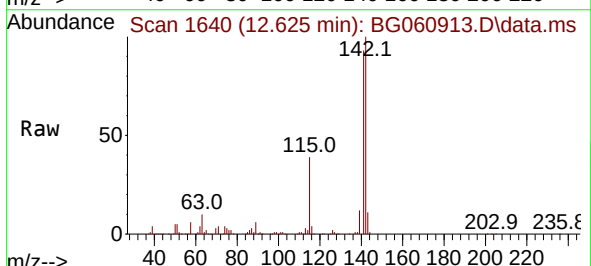
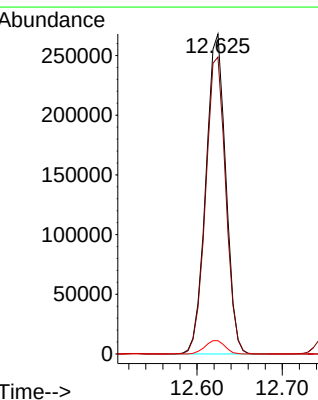
Tgt Ion:142 Resp: 434776

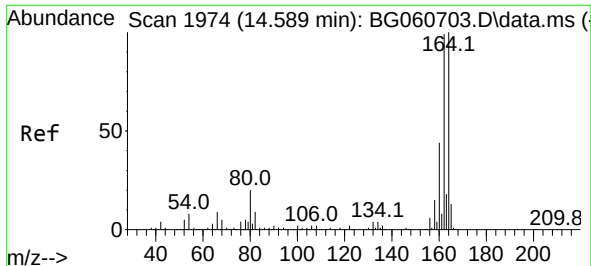
Ion Ratio Lower Upper

142 100

141 92.8 77.7 116.5

116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1974
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

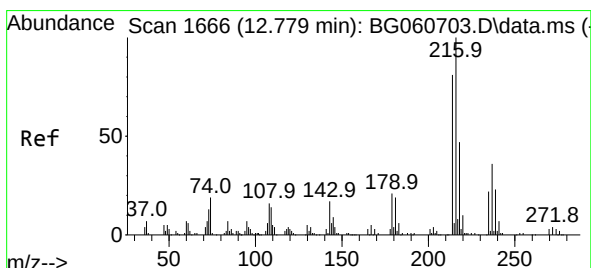
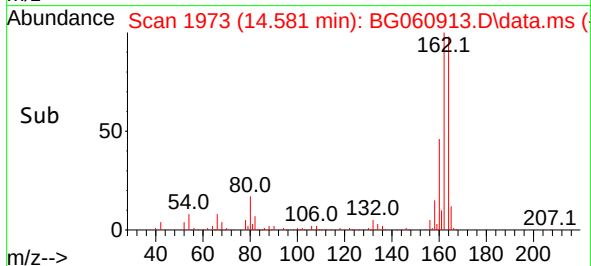
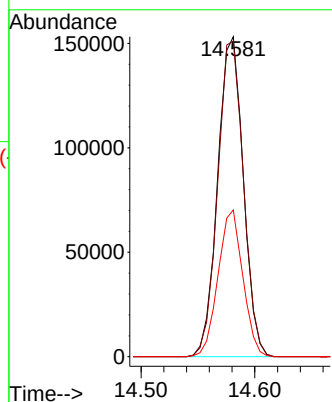
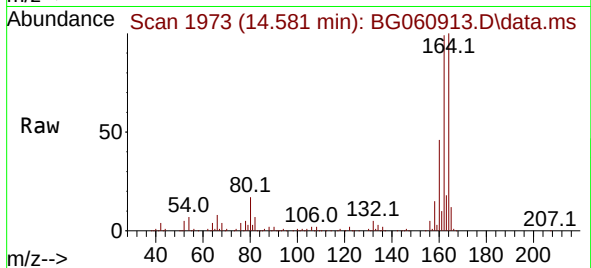
ClientSampleId :

PB160120BS

Tgt Ion:164 Resp: 23970
Ion Ratio Lower Upper
164 100
162 98.7 79.5 119.3
160 45.9 35.4 53.0

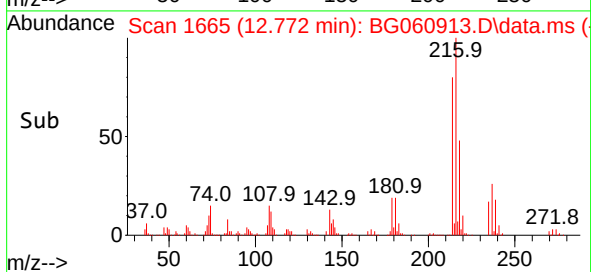
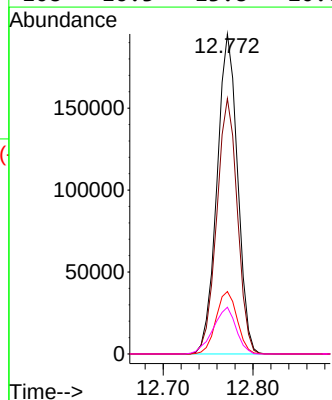
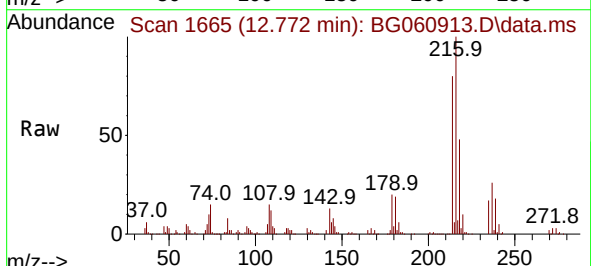
Manual Integrations
APPROVED

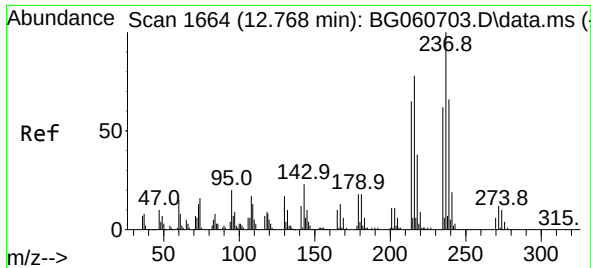
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.088 ng
RT: 12.772 min Scan# 1665
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:216 Resp: 310713
Ion Ratio Lower Upper
216 100
214 79.9 63.1 94.7
179 20.0 16.7 25.1
108 16.3 13.8 20.6





#41
Hexachlorocyclopentadiene
Concen: 90.663 ng
RT: 12.754 min Scan# 1662
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

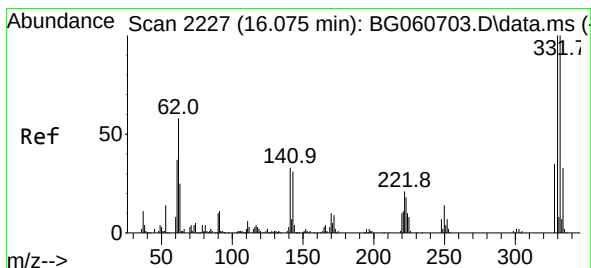
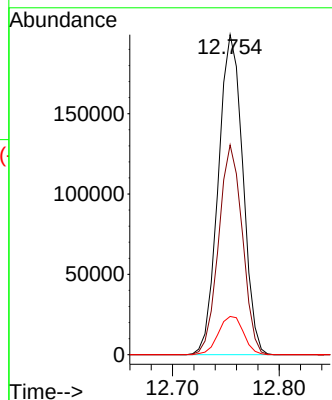
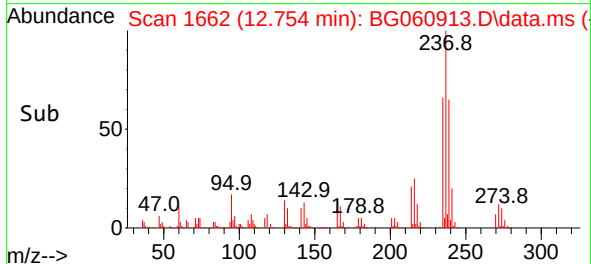
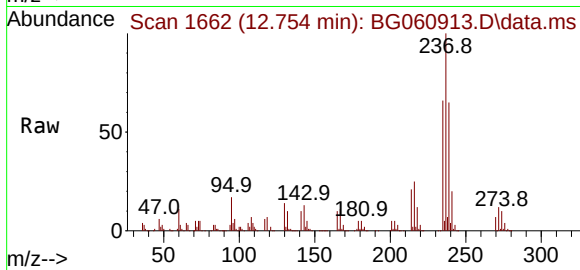
PB160120BS

Tgt Ion:237 Resp: 317680
Ion Ratio Lower Upper
237 100
235 65.6 42.0 82.0
272 12.0 0.0 32.4

Manual Integrations

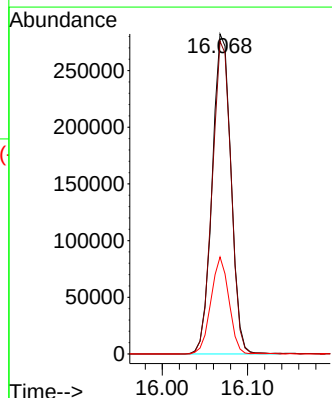
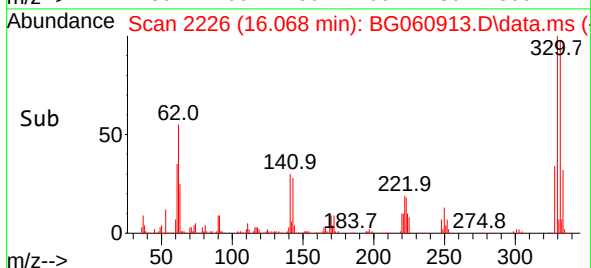
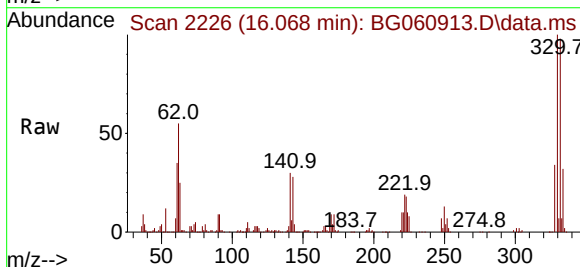
APPROVED

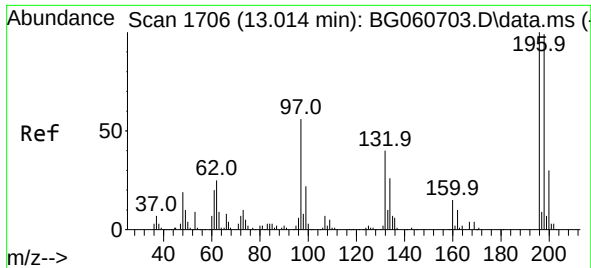
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#42
2,4,6-Tribromophenol
Concen: 158.897 ng
RT: 16.068 min Scan# 2226
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:330 Resp: 432361
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.4
141 29.0 27.0 40.6





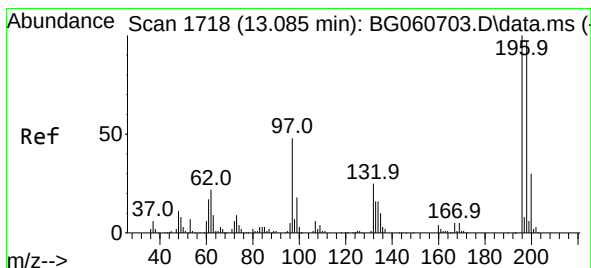
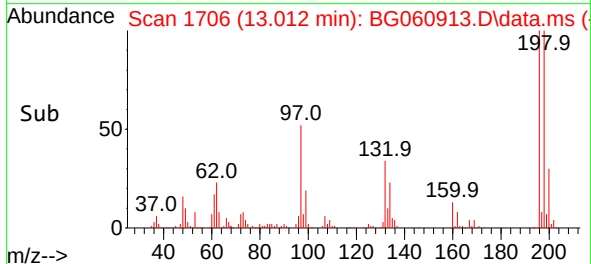
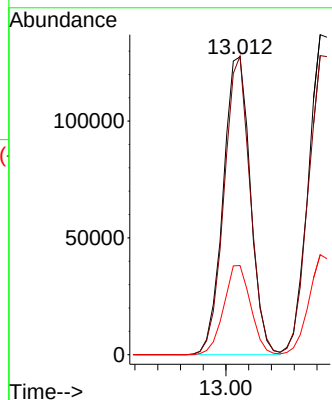
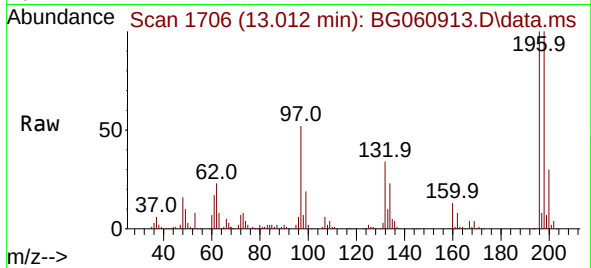
#43
2,4,6-Trichlorophenol
Concen: 47.800 ng
RT: 13.012 min Scan# 1706
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :
BNA_G
ClientSampleId :
PB160120BS

Tgt Ion:196 Resp: 21210
Ion Ratio Lower Upper
196 100
198 100.3 79.1 118.7
200 29.9 24.0 36.0

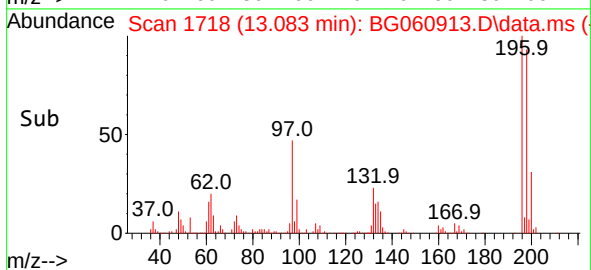
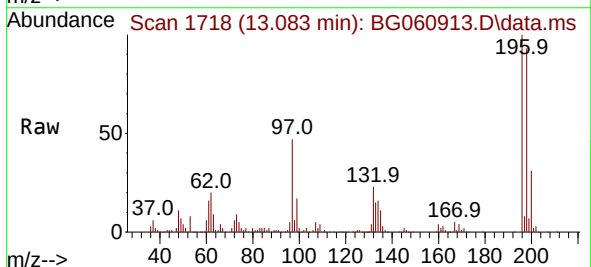
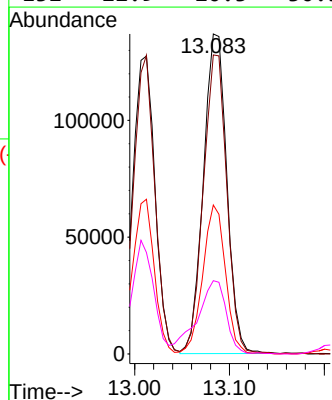
Manual Integrations
APPROVED

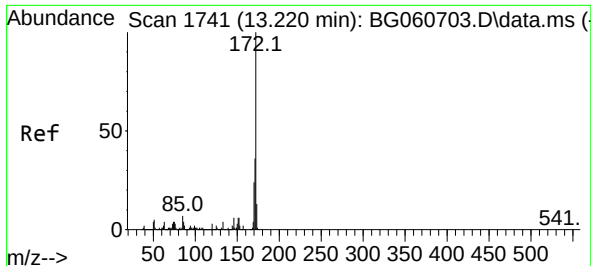
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#44
2,4,5-Trichlorophenol
Concen: 44.341 ng
RT: 13.083 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:196 Resp: 234804
Ion Ratio Lower Upper
196 100
198 93.4 77.8 116.8
97 46.5 38.2 57.4
132 22.9 20.3 30.5





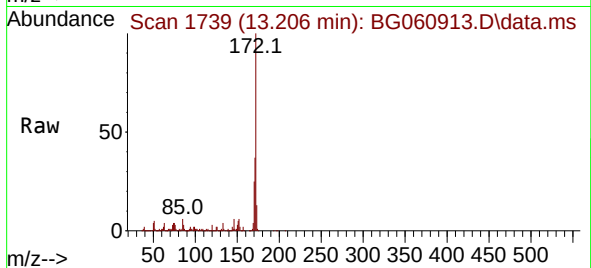
#45
2-Fluorobiphenyl
Concen: 76.506 ng
RT: 13.206 min Scan# 1739
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



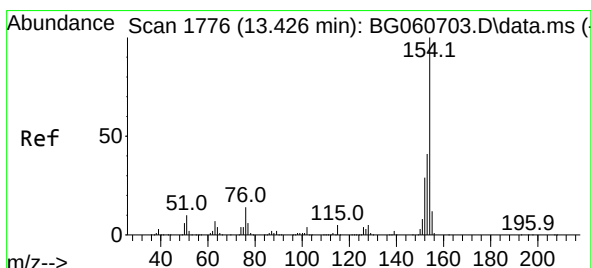
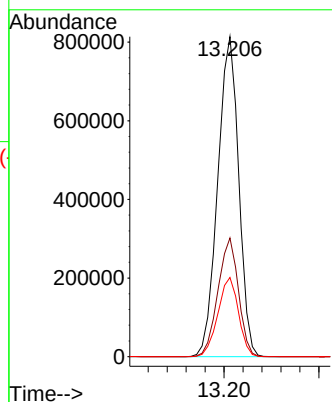
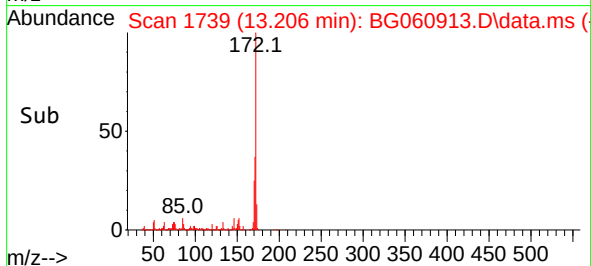
Tgt Ion:172 Resp: 124955
Ion Ratio Lower Upper
172 100
171 37.1 28.7 43.1
170 24.7 19.4 29.0

Manual Integrations

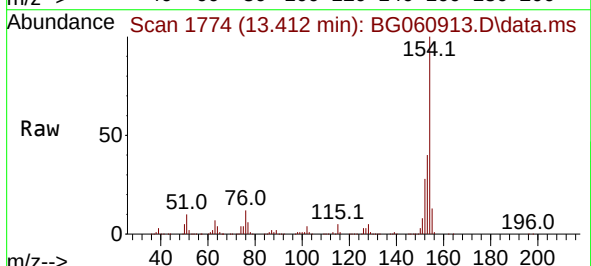
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

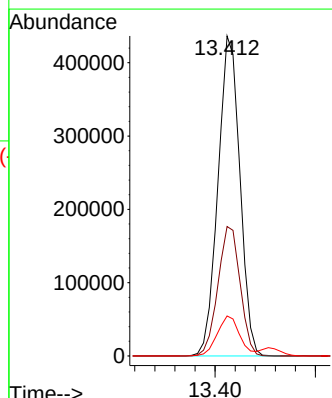
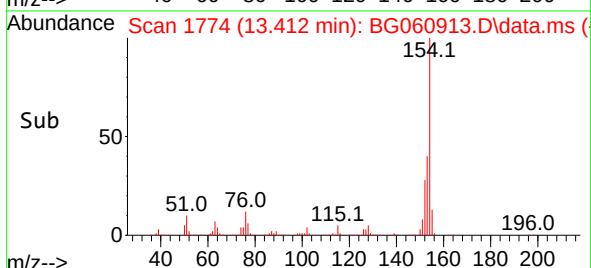
Supervised By :mohammad ahmed 04/18/2024

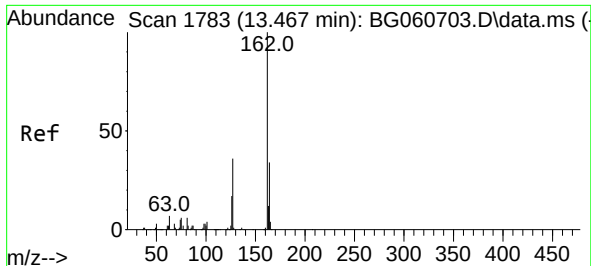


#46
1,1'-Biphenyl
Concen: 38.924 ng
RT: 13.412 min Scan# 1774
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:154 Resp: 659018
Ion Ratio Lower Upper
154 100
153 40.5 20.8 60.8
76 12.5 0.0 33.9





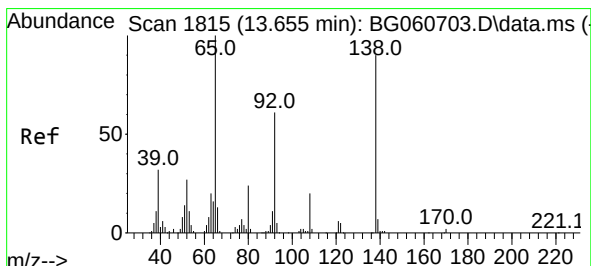
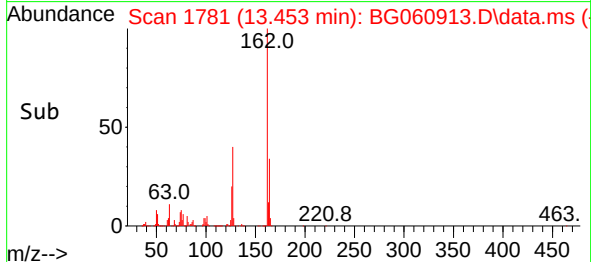
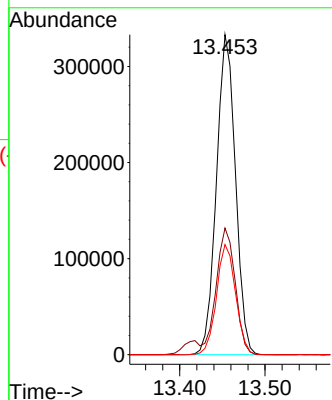
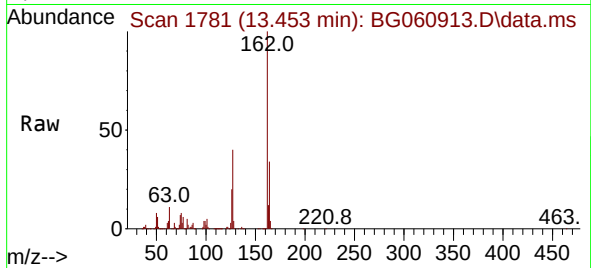
#47
2-Chloronaphthalene
Concen: 40.182 ng
RT: 13.453 min Scan# 1783
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :
BNA_G
ClientSampleId :
PB160120BS

Tgt Ion:162 Resp: 51689
Ion Ratio Lower Upper
162 100
127 39.5 30.6 46.0
164 34.4 26.9 40.3

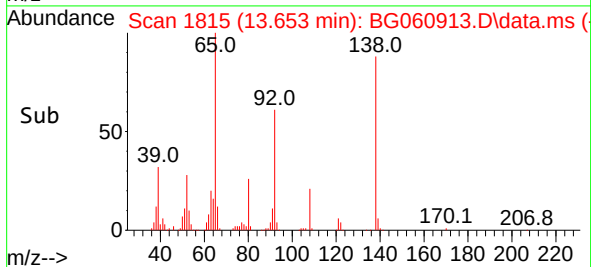
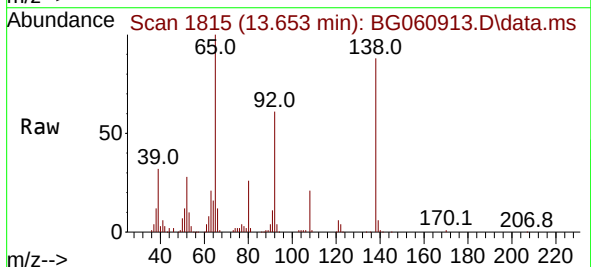
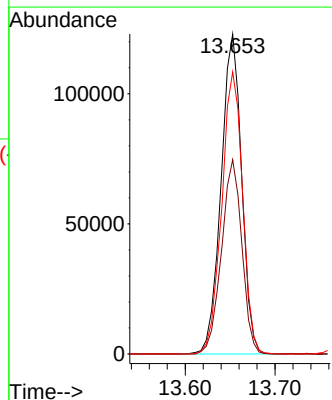
Manual Integrations
APPROVED

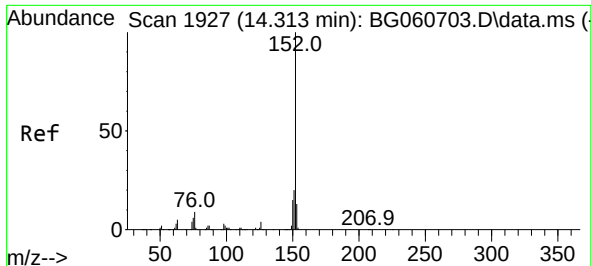
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#48
2-Nitroaniline
Concen: 46.879 ng
RT: 13.653 min Scan# 1815
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 65 Resp: 194689
Ion Ratio Lower Upper
65 100
92 60.7 48.6 72.8
138 88.1 72.2 108.4





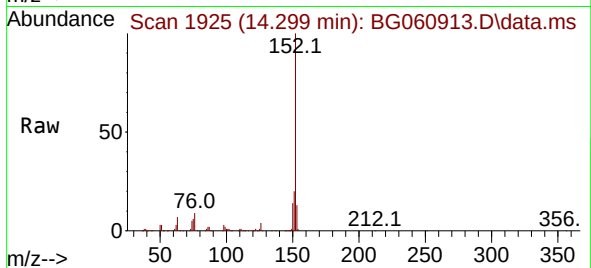
#49
Acenaphthylene
Concen: 39.911 ng
RT: 14.299 min Scan# 1925
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



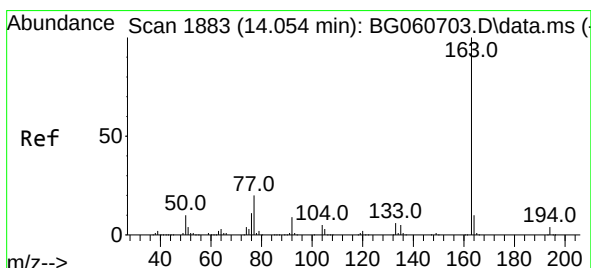
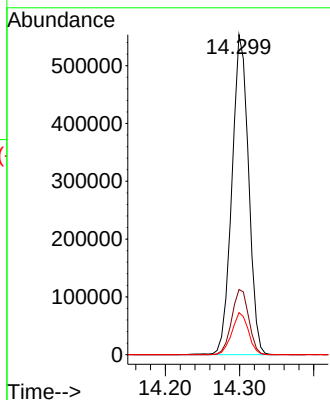
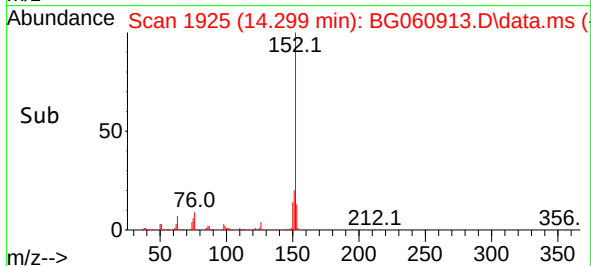
Tgt Ion:152 Resp: 862659
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.2 10.5 15.7

Manual Integrations

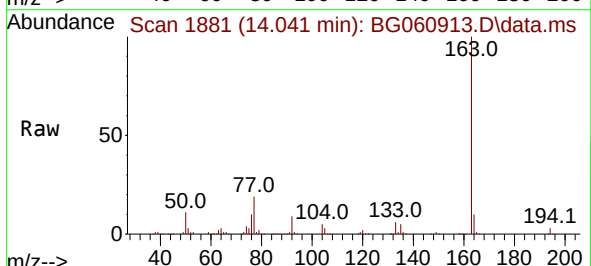
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

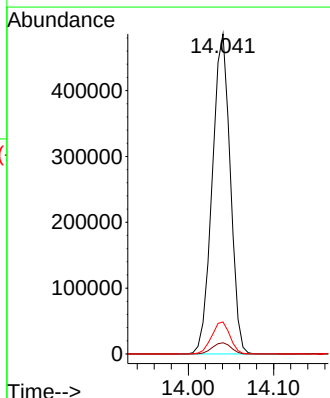
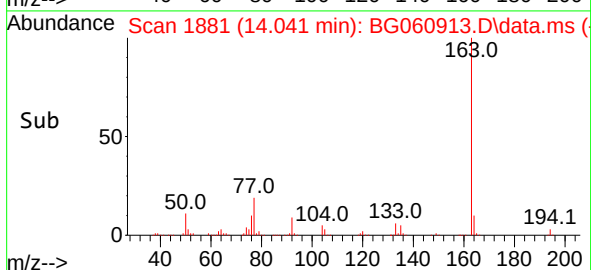
Supervised By :mohammad ahmed 04/18/2024

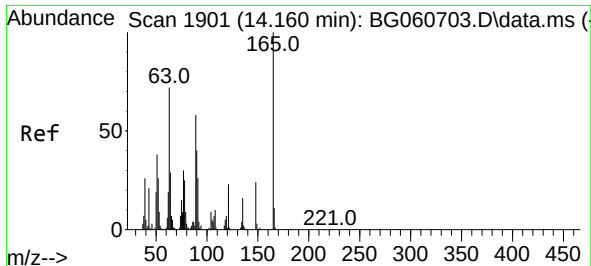


#50
Dimethylphthalate
Concen: 37.729 ng
RT: 14.041 min Scan# 1881
Delta R.T. -0.013 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:163 Resp: 714825
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.6
164 10.0 7.9 11.9





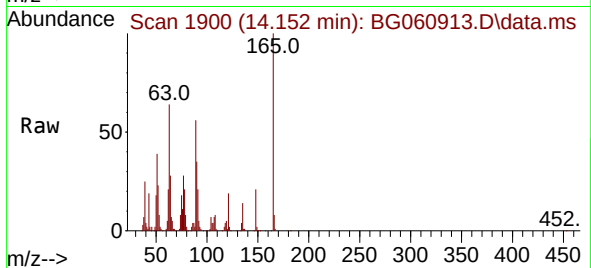
#51
2,6-Dinitrotoluene
Concen: 44.918 ng
RT: 14.152 min Scan# 1900
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



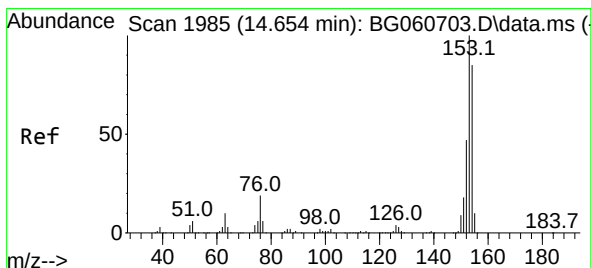
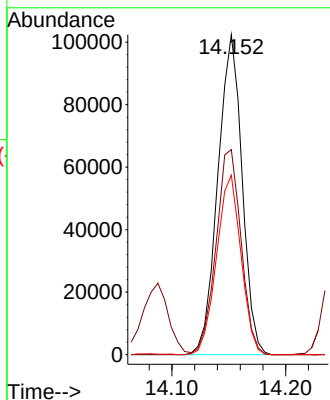
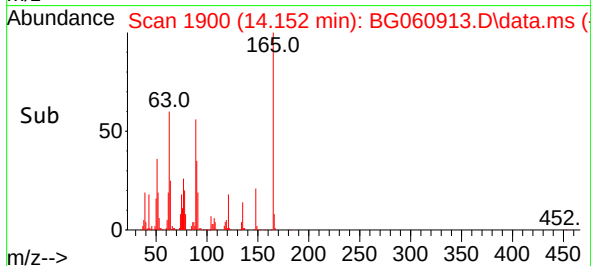
Tgt Ion:165 Resp: 15155
Ion Ratio Lower Upper
165 100
63 64.1 58.2 87.4
89 56.1 46.1 69.1

Manual Integrations

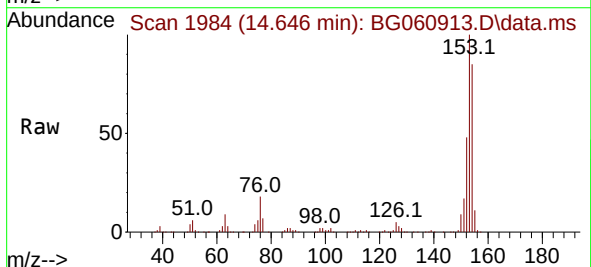
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

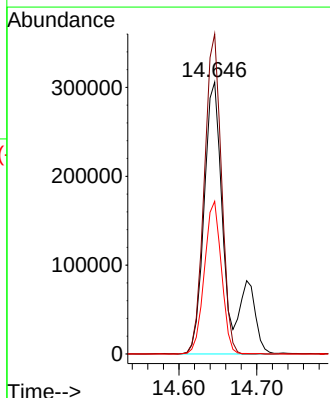
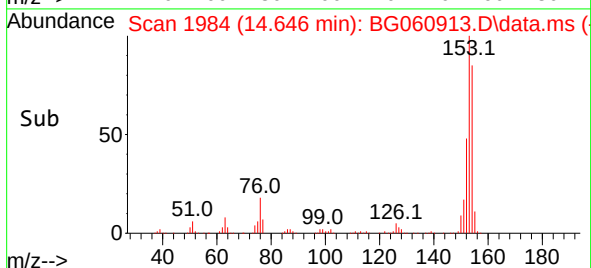
Supervised By :mohammad ahmed 04/18/2024

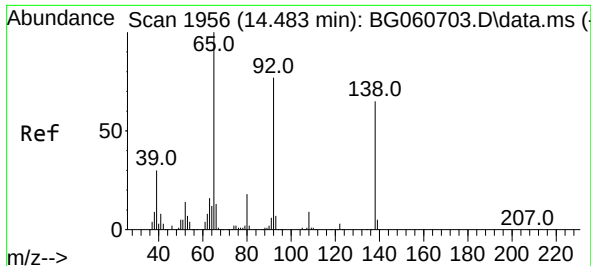


#52
Acenaphthene
Concen: 44.075 ng m
RT: 14.646 min Scan# 1984
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:154 Resp: 598127
Ion Ratio Lower Upper
154 100
153 117.7 93.9 140.9
152 56.2 44.1 66.1





#53
3-Nitroaniline
Concen: 30.463 ng
RT: 14.481 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

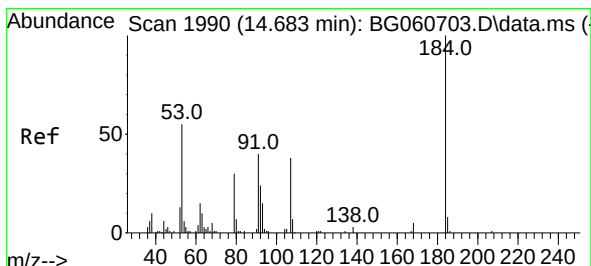
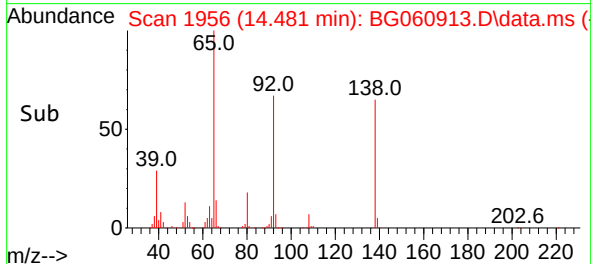
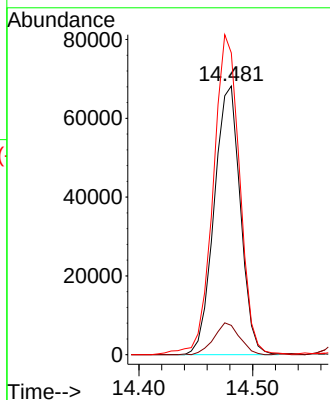
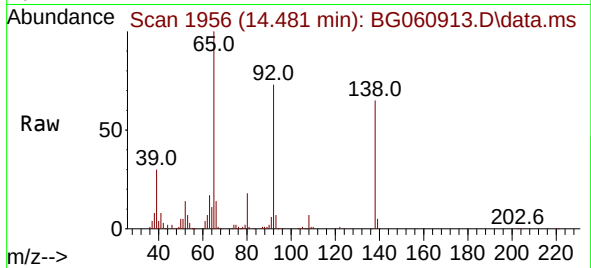
ClientSampleId :

PB160120BS

Tgt Ion:138 Resp: 10924
Ion Ratio Lower Upper
138 100
108 10.9 11.3 16.9
92 112.3 94.1 141.1

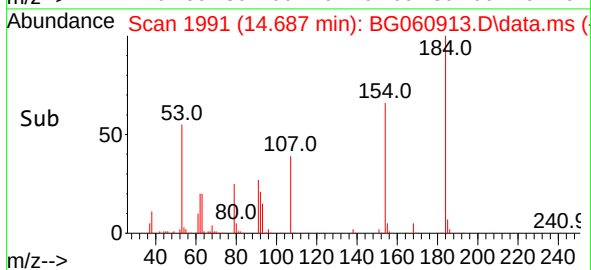
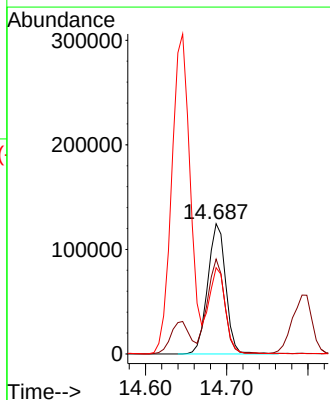
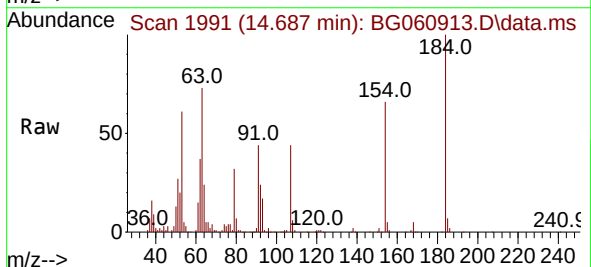
Manual Integrations
APPROVED

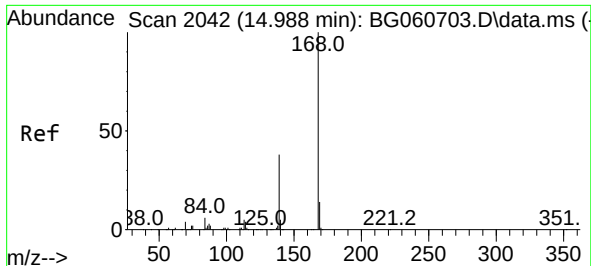
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#54
2,4-Dinitrophenol
Concen: 145.288 ng
RT: 14.687 min Scan# 1991
Delta R.T. 0.004 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:184 Resp: 191603
Ion Ratio Lower Upper
184 100
63 72.9 51.3 76.9
154 66.2 59.9 89.9





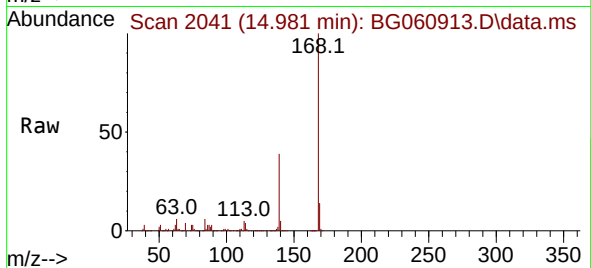
#55
Dibenzenofuran
Concen: 37.744 ng
RT: 14.981 min Scan# 2042
Delta R.T. -0.007 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



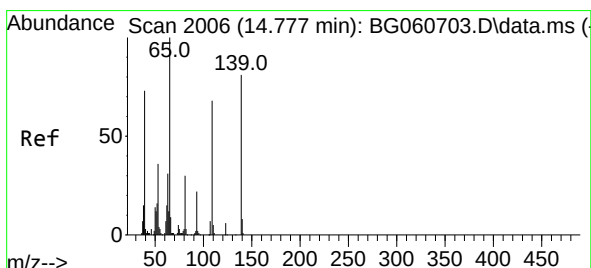
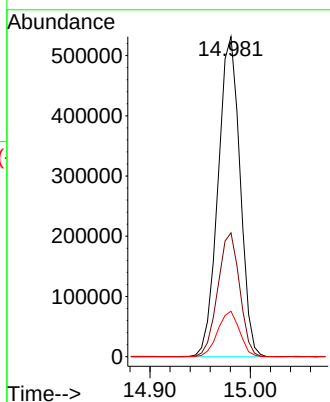
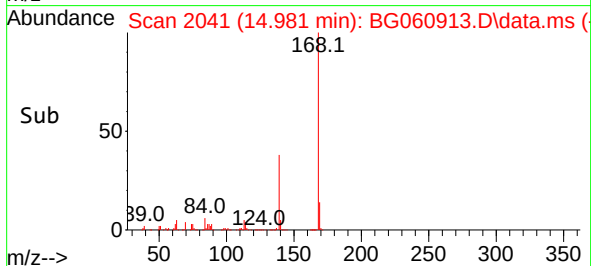
Tgt Ion:168 Resp: 807939
Ion Ratio Lower Upper
168 100
139 38.7 30.1 45.1
169 14.2 11.0 16.4

Manual Integrations

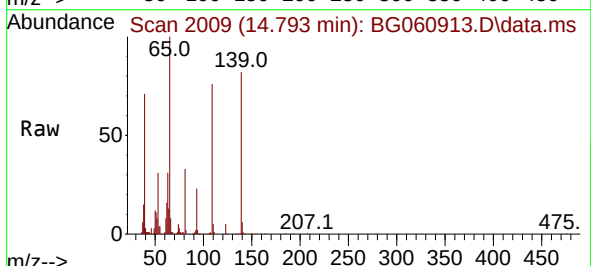
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

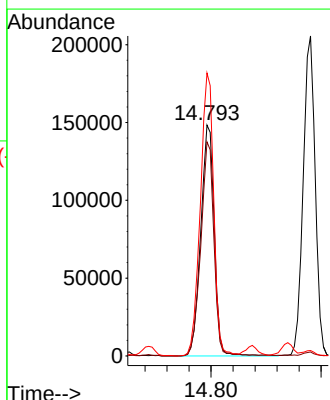
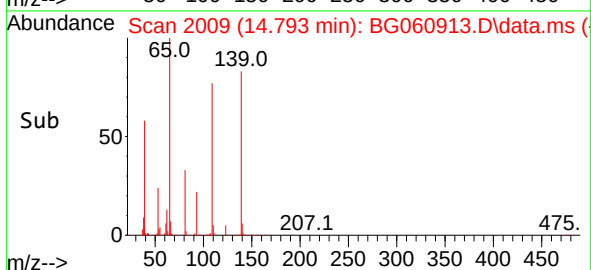
Supervised By :mohammad ahmed 04/18/2024

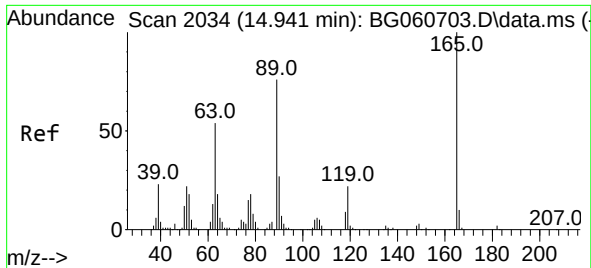


#56
4-Nitrophenol
Concen: 91.273 ng
RT: 14.793 min Scan# 2009
Delta R.T. 0.016 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:139 Resp: 252804
Ion Ratio Lower Upper
139 100
109 92.7 64.0 104.0
65 122.5 104.3 144.3





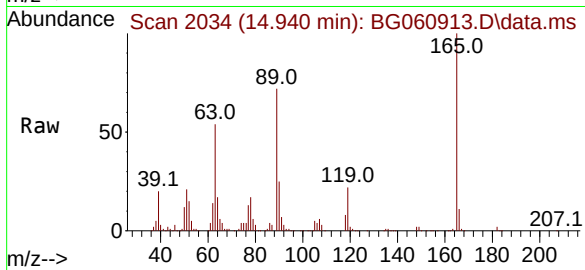
#57
2,4-Dinitrotoluene
Concen: 48.800 ng
RT: 14.940 min Scan# 2034
Delta R.T. -0.001 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

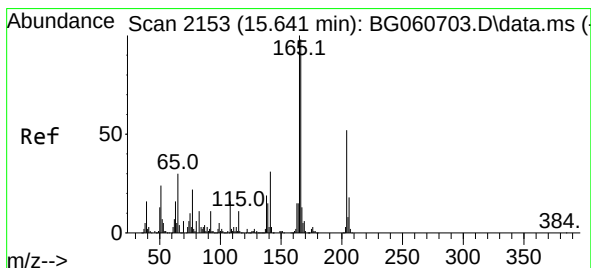
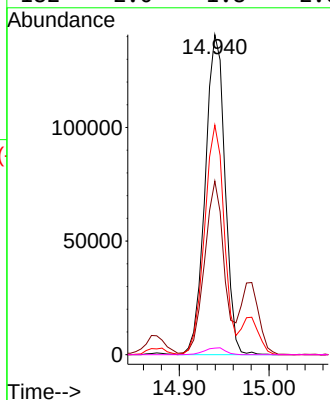
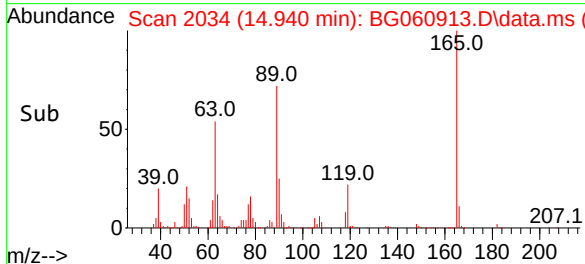


Tgt Ion:165 Resp: 21568
Ion Ratio Lower Upper
165 100
63 54.3 43.4 65.0
89 71.8 61.0 91.6
182 2.0 1.8 2.6

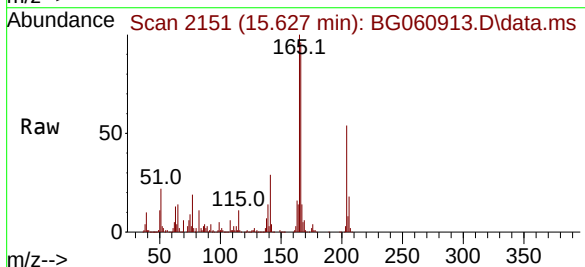
Manual Integrations

APPROVED

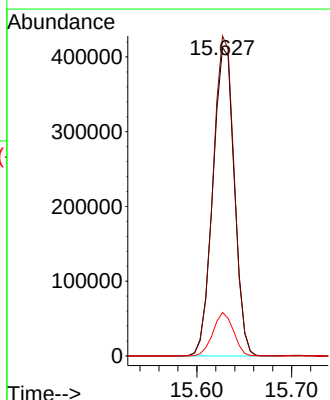
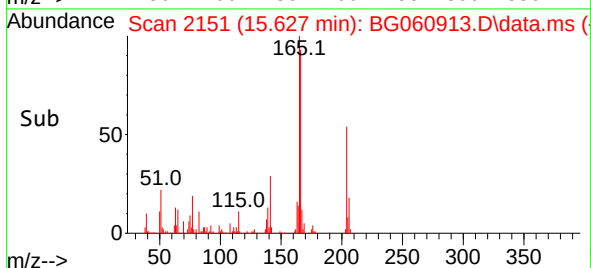
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024

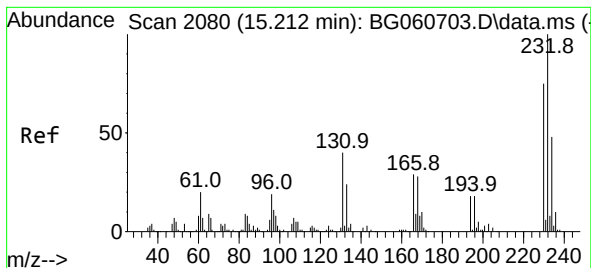


#58
Fluorene
Concen: 37.730 ng
RT: 15.627 min Scan# 2151
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:166 Resp: 648202
Ion Ratio Lower Upper
166 100
165 103.8 81.8 122.8
167 14.1 10.9 16.3





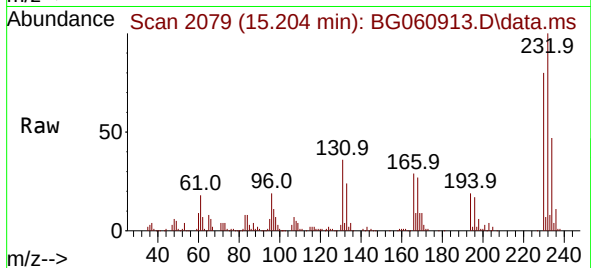
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.308 ng
RT: 15.204 min Scan# 2080
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



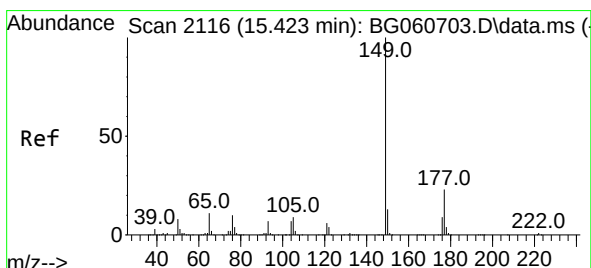
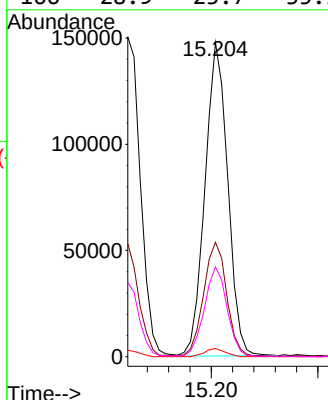
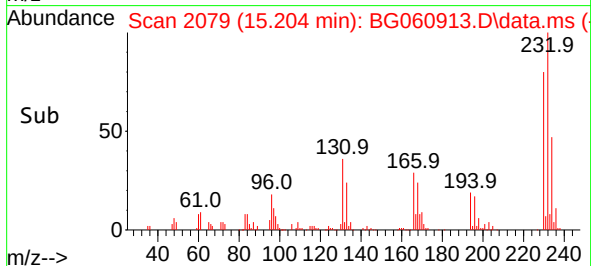
Tgt Ion:232 Resp: 218319
Ion Ratio Lower Upper
232 100
131 37.1 32.2 48.2
130 2.4 2.1 3.1
166 28.9 23.7 35.5

Manual Integrations

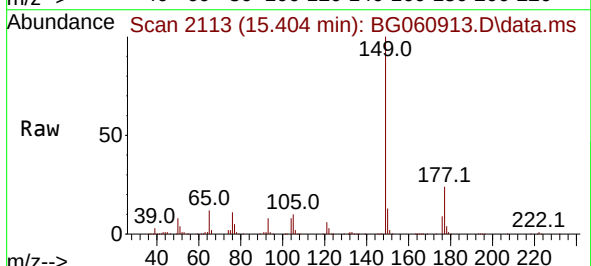
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

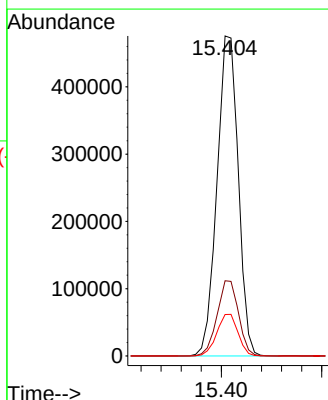
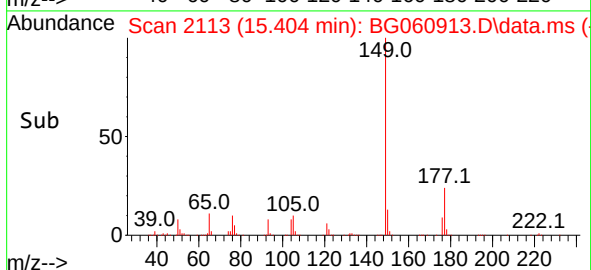
Supervised By :mohammad ahmed 04/18/2024

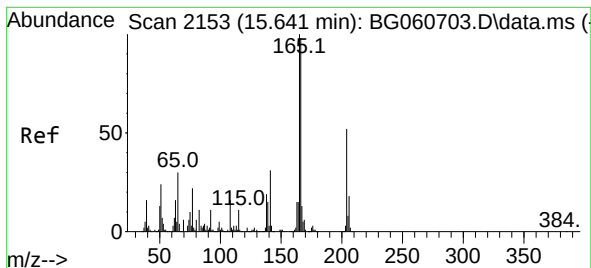


#60
Diethylphthalate
Concen: 36.592 ng
RT: 15.404 min Scan# 2113
Delta R.T. -0.019 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:149 Resp: 697489
Ion Ratio Lower Upper
149 100
177 23.5 18.0 27.0
150 13.0 10.2 15.4





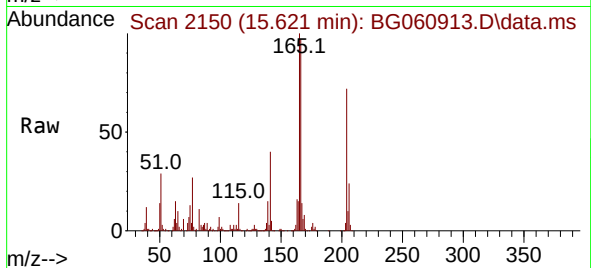
#61
4-Chlorophenyl-phenylether
Concen: 39.671 ng
RT: 15.621 min Scan# 2150
Delta R.T. -0.020 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



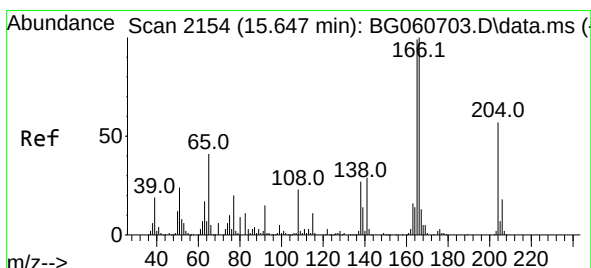
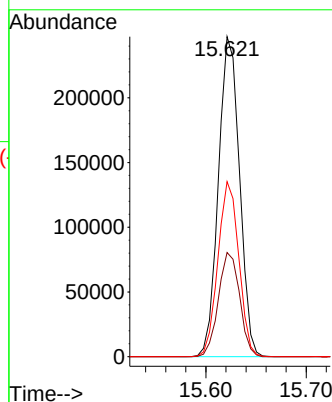
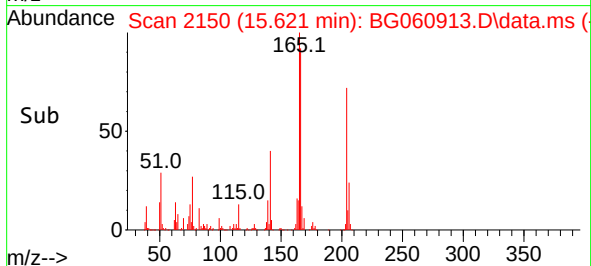
Tgt Ion:204 Resp: 360560
Ion Ratio Lower Upper
204 100
206 32.6 28.3 42.5
141 54.7 47.2 70.8

Manual Integrations

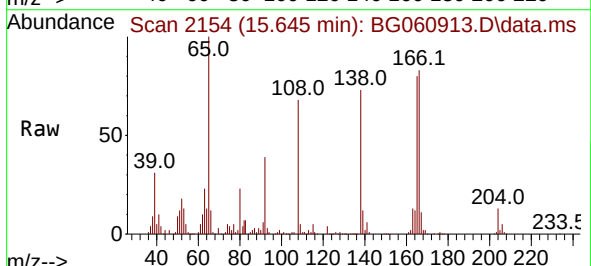
APPROVED

Reviewed By :Yogesh Patel 04/17/2024

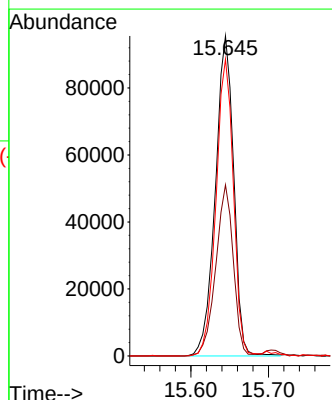
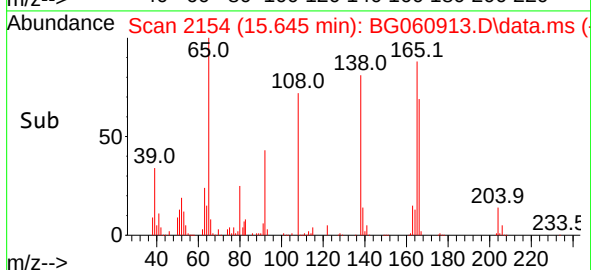
Supervised By :mohammad ahmed 04/18/2024

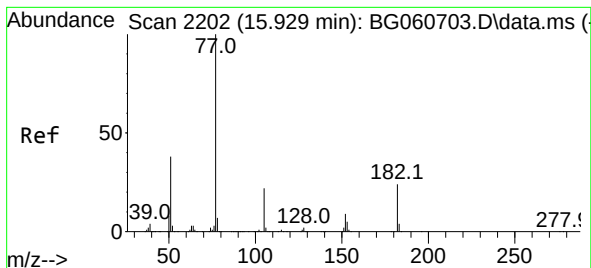


#62
4-Nitroaniline
Concen: 45.401 ng
RT: 15.645 min Scan# 2154
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:138 Resp: 157269
Ion Ratio Lower Upper
138 100
92 53.4 36.8 76.8
108 92.8 66.9 106.9





#63

Azobenzene

Concen: 35.606 ng

RT: 15.915 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG060913.D

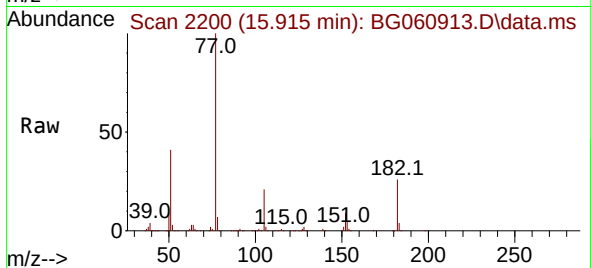
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



Tgt Ion: 77 Resp: 661364

Ion Ratio Lower Upper

77 100

182 25.9 3.9 43.9

105 21.4 1.7 41.7

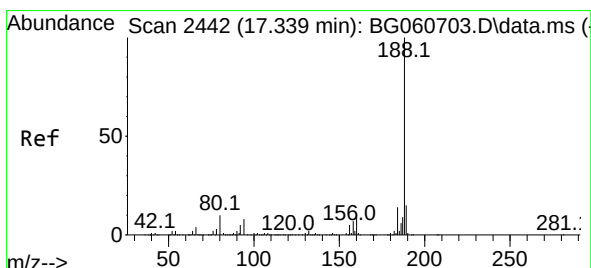
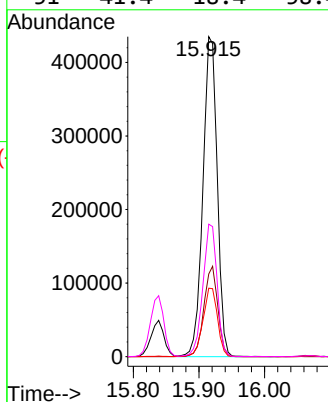
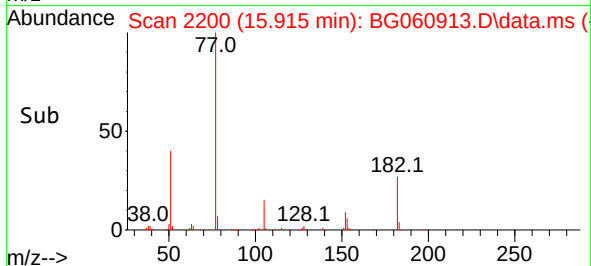
51 41.4 18.4 58.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 2440

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

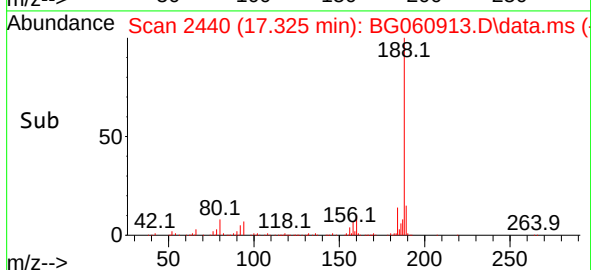
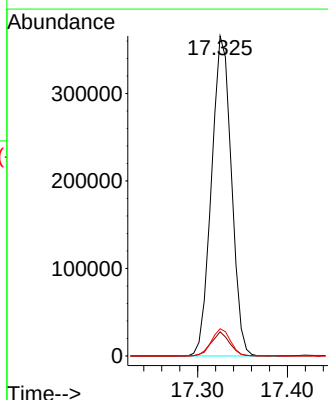
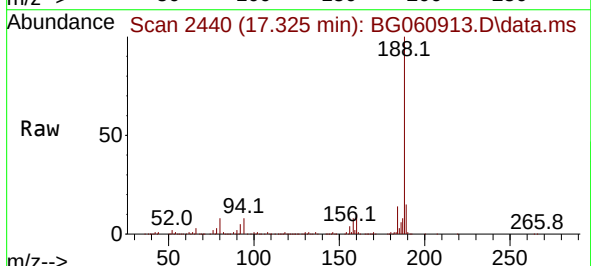
Tgt Ion:188 Resp: 563421

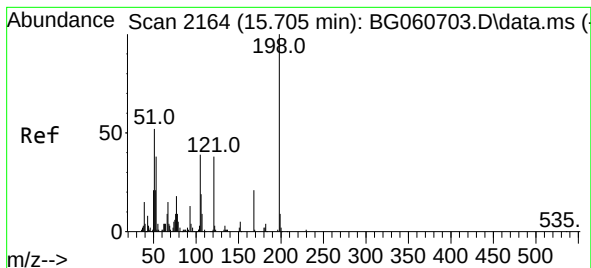
Ion Ratio Lower Upper

188 100

94 7.6 6.6 9.8

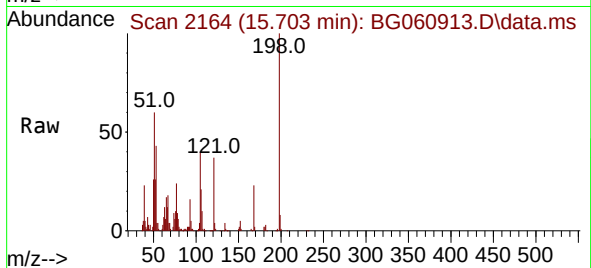
80 8.5 7.6 11.4





#65
4,6-Dinitro-2-methylphenol
Concen: 57.014 ng
RT: 15.703 min Scan# 2164
Delta R.T. -0.002 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

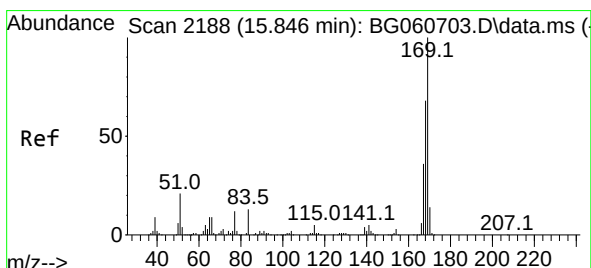
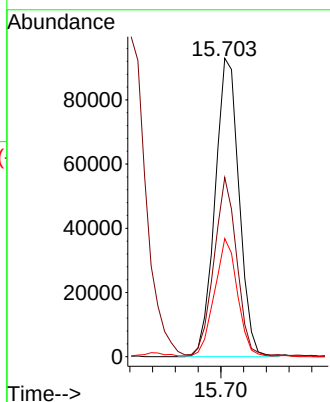
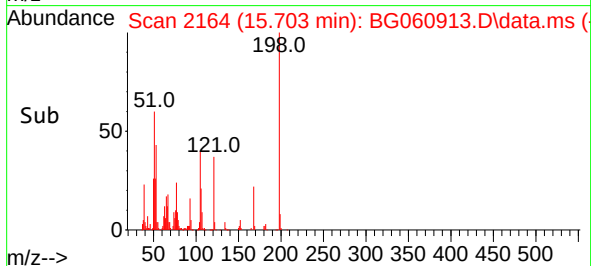
Instrument :
BNA_G
ClientSampleId :
PB160120BS



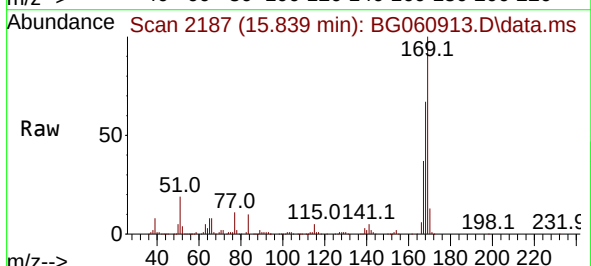
Tgt Ion:198 Resp: 13616
Ion Ratio Lower Upper
198 100
51 60.0 36.7 76.7
105 39.6 19.1 59.1

Manual Integrations
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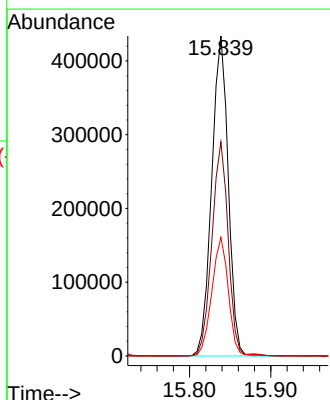
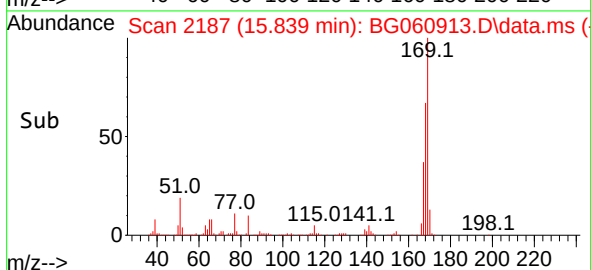
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024

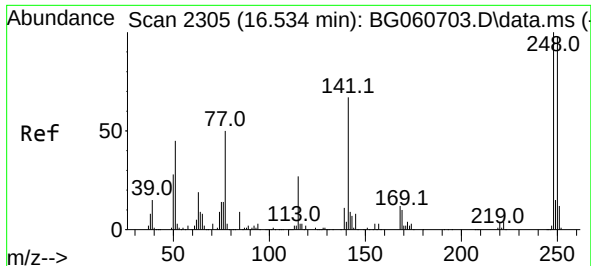


#66
n-Nitrosodiphenylamine
Concen: 38.022 ng
RT: 15.839 min Scan# 2187
Delta R.T. -0.008 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32



Tgt Ion:169 Resp: 612182
Ion Ratio Lower Upper
169 100
168 66.9 54.5 81.7
167 37.1 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 44.563 ng
RT: 16.520 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

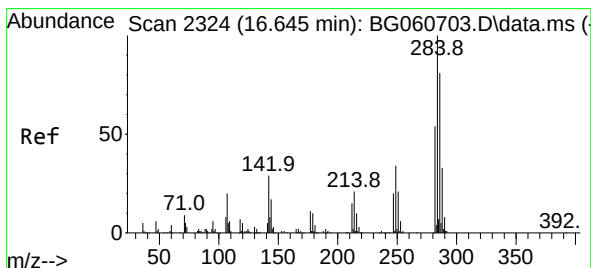
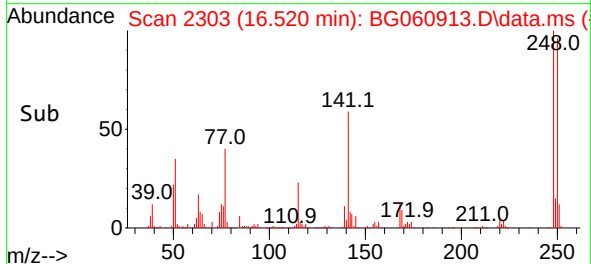
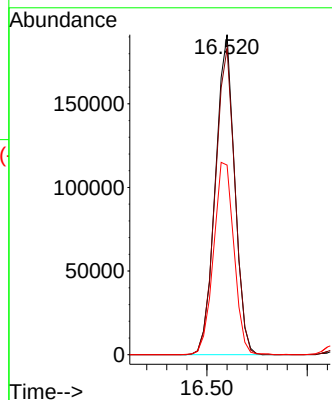
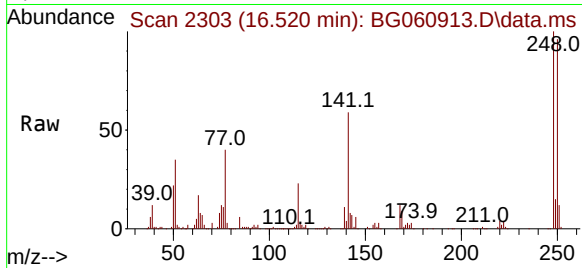
ClientSampleId :

PB160120BS

Tgt Ion:248 Resp: 254808
Ion Ratio Lower Upper
248 100
250 95.7 78.3 117.5
141 59.3 53.7 80.5

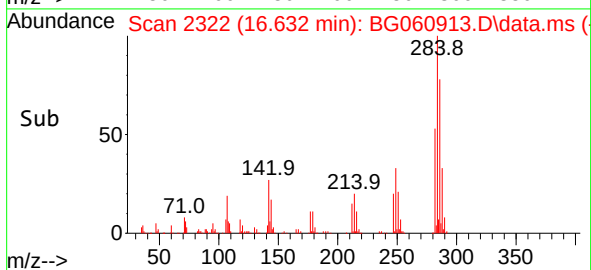
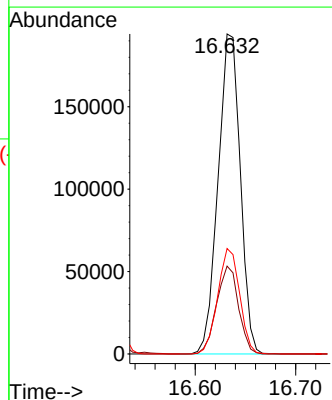
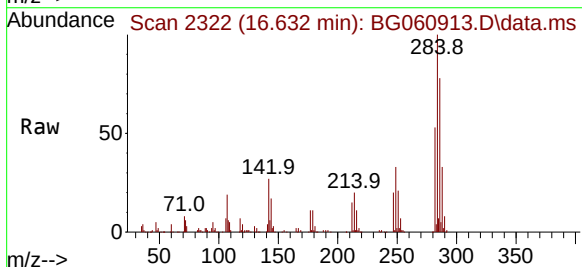
Manual Integrations
APPROVED

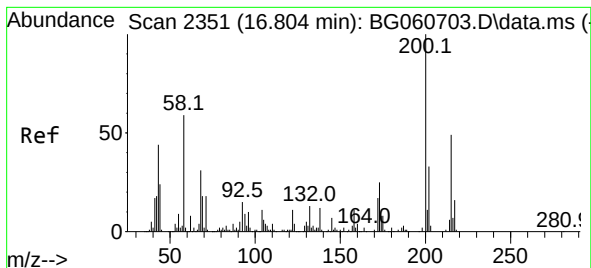
Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024



#68
Hexachlorobenzene
Concen: 46.193 ng
RT: 16.632 min Scan# 2322
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:284 Resp: 298171
Ion Ratio Lower Upper
284 100
142 27.4 22.9 34.3
249 32.9 27.1 40.7





#69

Atrazine

Concen: 42.105 ng

RT: 16.790 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG060913.D

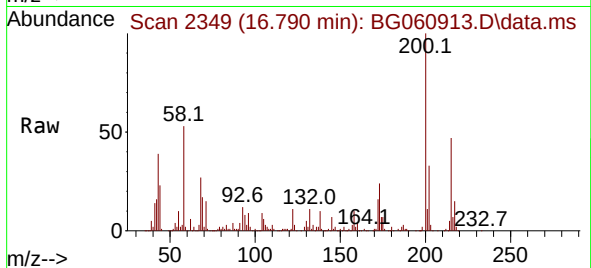
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



Tgt Ion:200 Resp: 237062

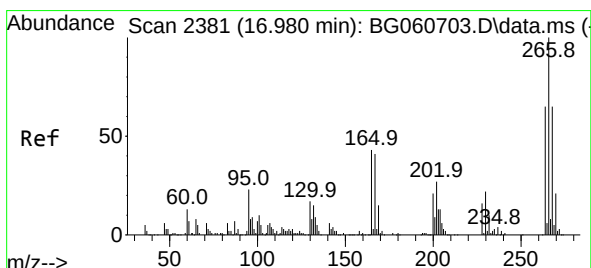
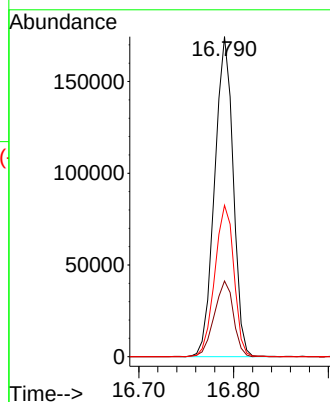
Ion	Ratio	Lower	Upper
200	100		
173	23.6	5.2	45.2
215	47.3	28.8	68.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#70

Pentachlorophenol

Concen: 92.545 ng

RT: 16.978 min Scan# 2381

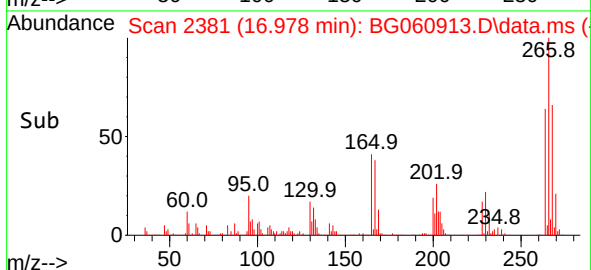
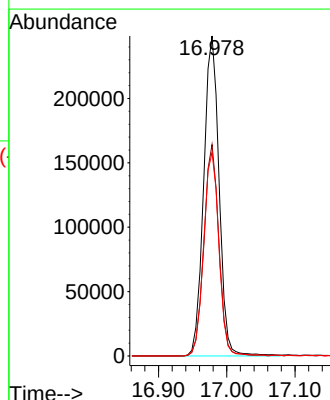
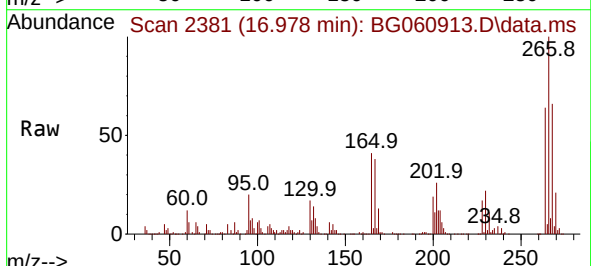
Delta R.T. -0.002 min

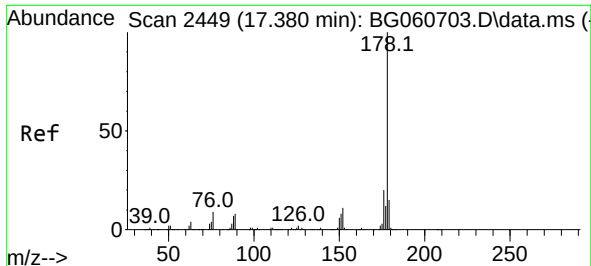
Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Tgt Ion:266 Resp: 389780

Ion	Ratio	Lower	Upper
266	100		
268	66.0	52.2	78.4
264	63.6	51.8	77.6





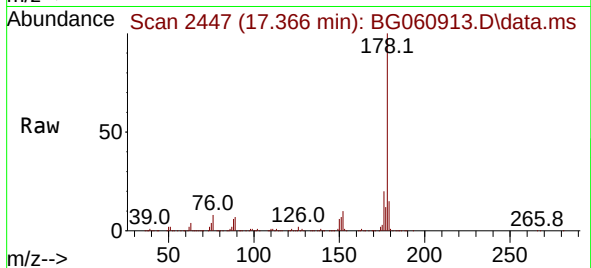
#71
Phenanthrene
Concen: 38.145 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



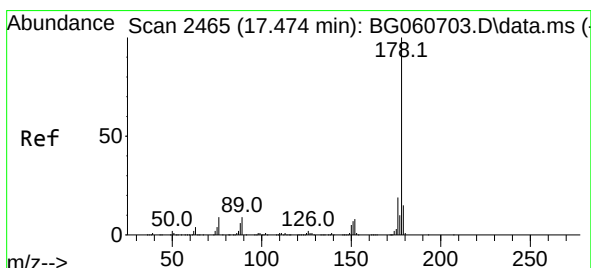
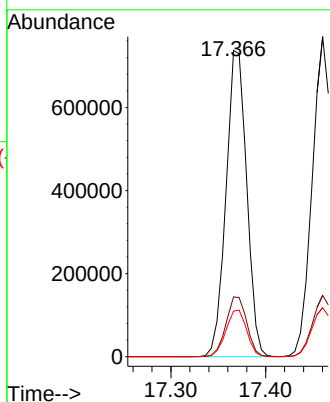
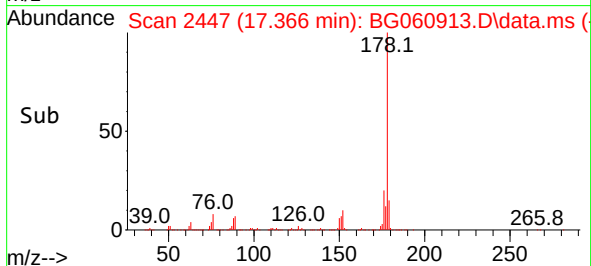
Tgt Ion:178 Resp: 1117730
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 14.8 12.2 18.4

Manual Integrations

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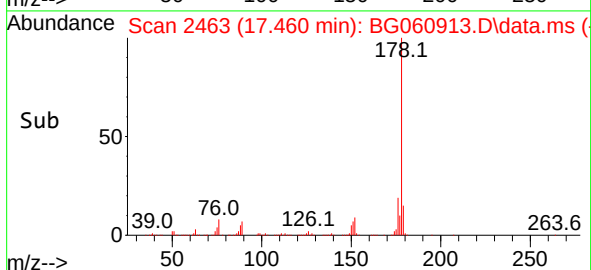
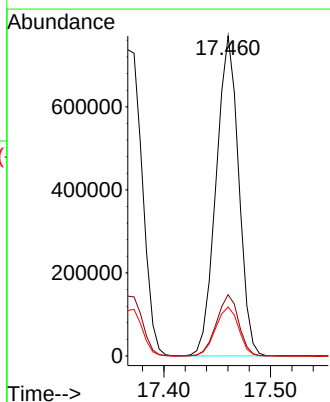
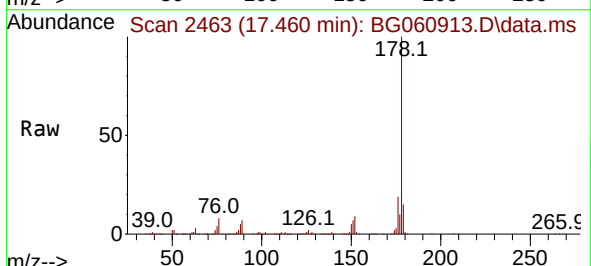
Reviewed By :Yogesh Patel 04/17/2024

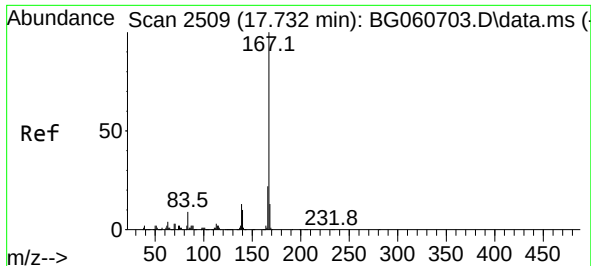
Supervised By :mohammad ahmed 04/18/2024



#72
Anthracene
Concen: 37.933 ng
RT: 17.460 min Scan# 2463
Delta R.T. -0.014 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:178 Resp: 1128819
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.2





#73
 Carbazole
 Concen: 37.940 ng
 RT: 17.730 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

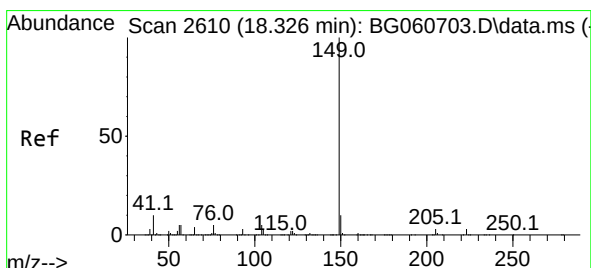
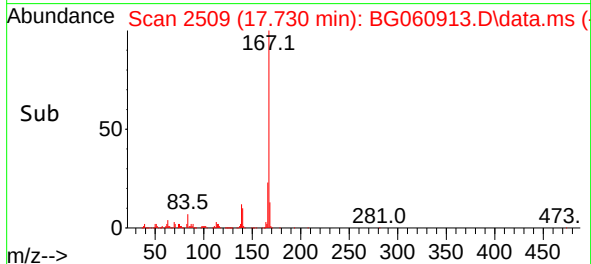
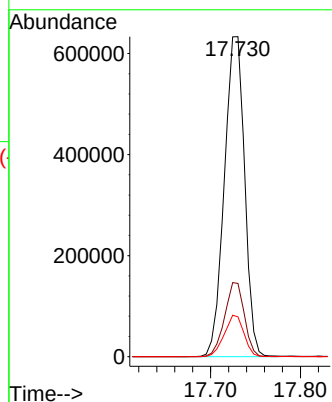
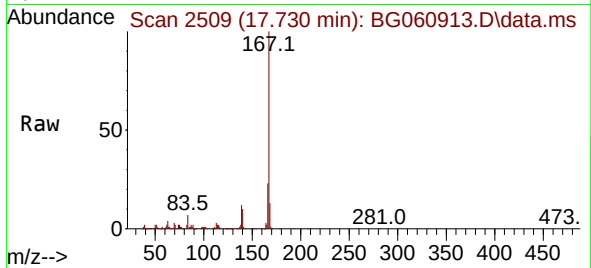
ClientSampleId :

PB160120BS

Tgt Ion:167 Resp: 99544
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.0 27.0
 139 12.5 10.5 15.7

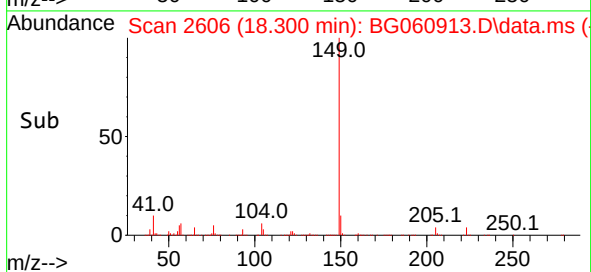
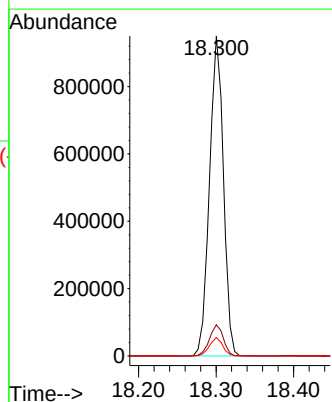
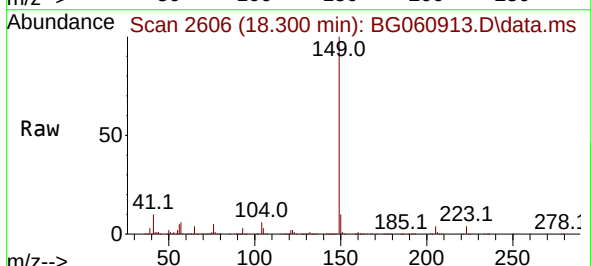
Manual Integrations
 APPROVED

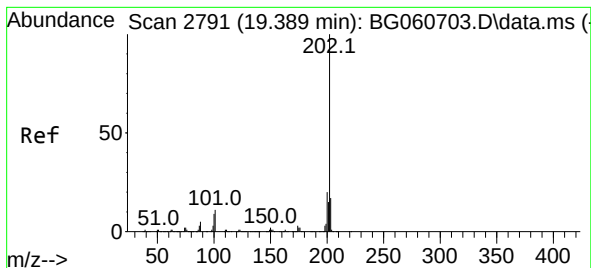
Reviewed By :Yogesh Patel 04/17/2024
 Supervised By :mohammad ahmed 04/18/2024



#74
 Di-n-butylphthalate
 Concen: 36.200 ng
 RT: 18.300 min Scan# 2606
 Delta R.T. -0.026 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32

Tgt Ion:149 Resp: 1184128
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.7 11.5
 104 5.7 4.2 6.4





#75

Fluoranthene

Concen: 38.038 ng

RT: 19.381 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:202 Resp: 1352510

Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.8

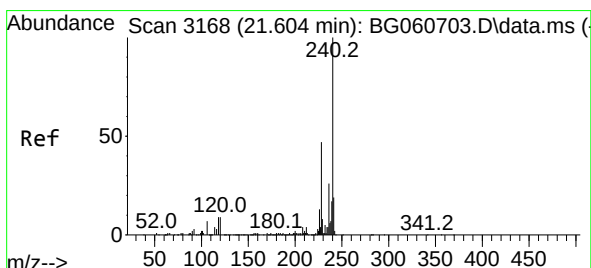
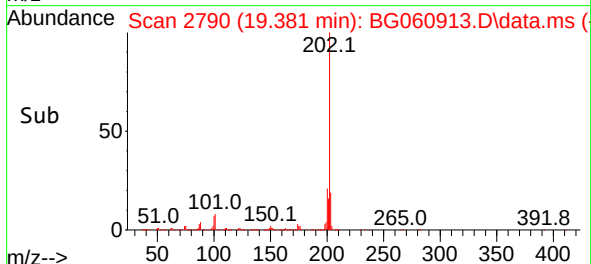
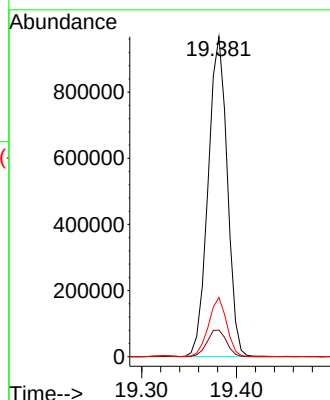
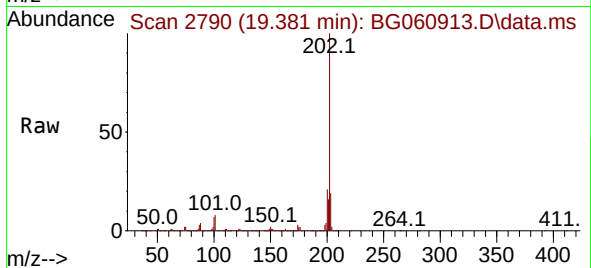
203 18.5 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.591 min Scan# 3166

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

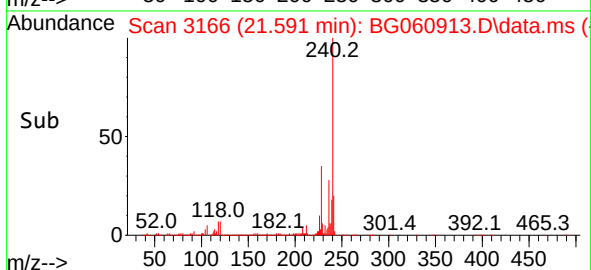
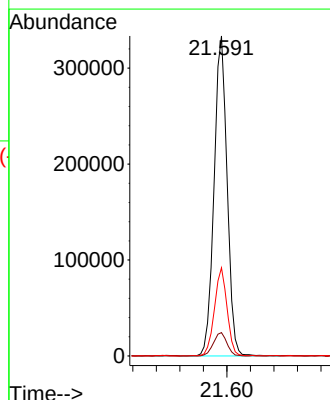
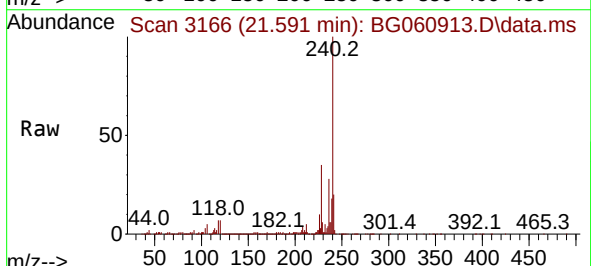
Tgt Ion:240 Resp: 513117

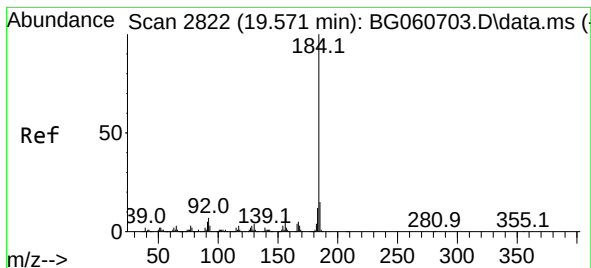
Ion Ratio Lower Upper

240 100

120 7.3 7.1 10.7

236 27.5 20.7 31.1





#77

Benzidine

Concen: 20.441 ng

RT: 19.558 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:184 Resp: 27618

Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.6

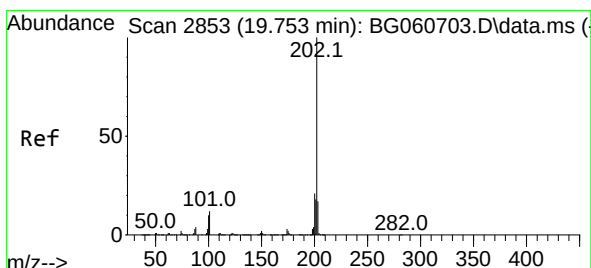
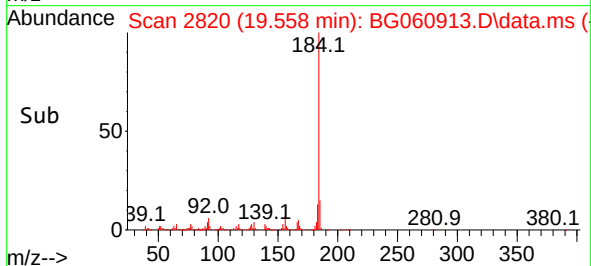
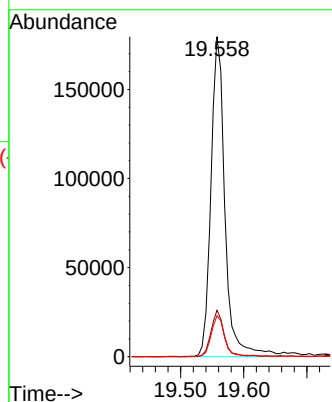
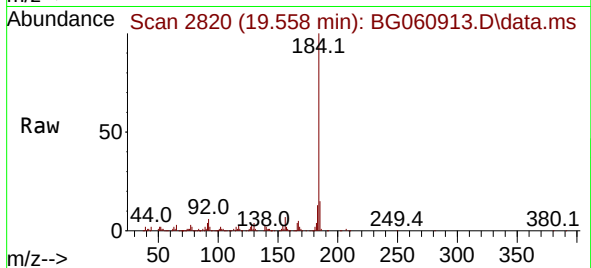
183 12.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#78

Pyrene

Concen: 39.323 ng

RT: 19.740 min Scan# 2851

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

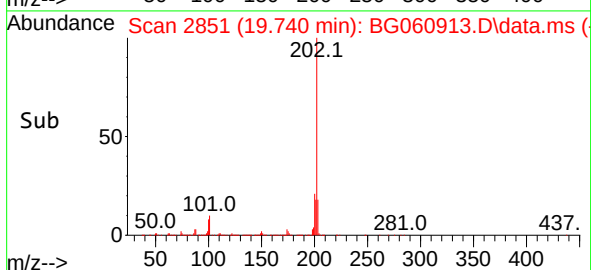
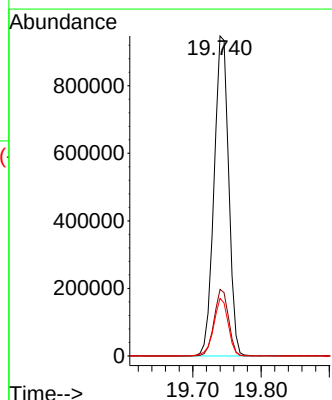
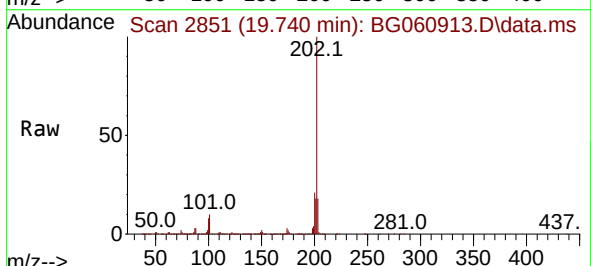
Tgt Ion:202 Resp: 1411157

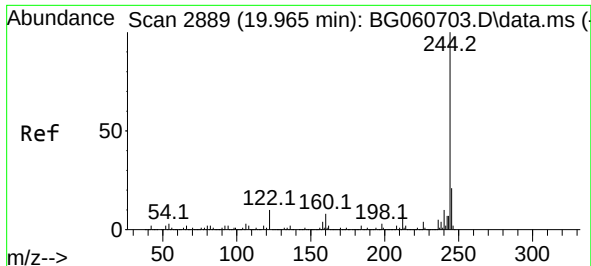
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.0 14.0 21.0





#79
 Terphenyl-d14
 Concen: 76.379 ng
 RT: 19.951 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

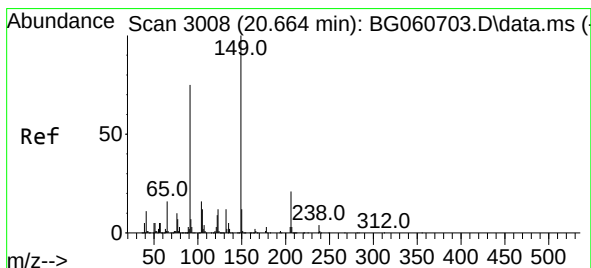
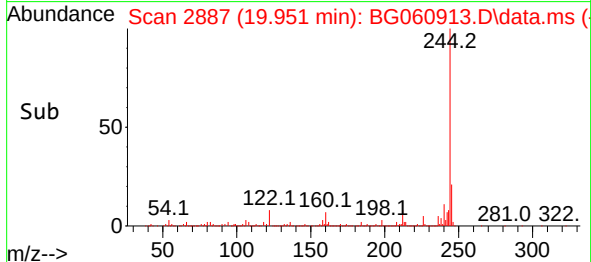
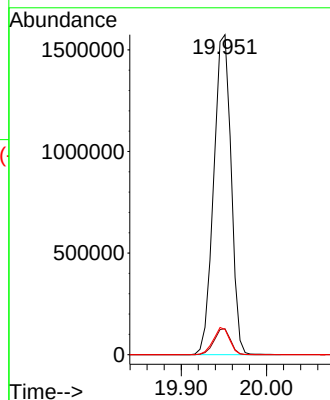
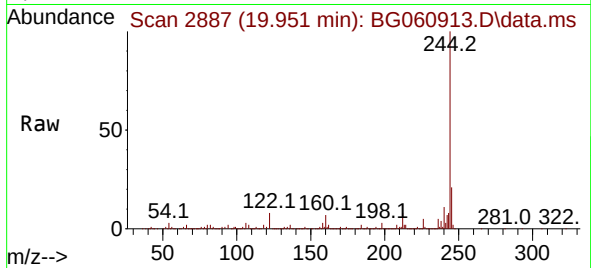
ClientSampleId :

PB160120BS

Tgt Ion:244 Resp: 2225714
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 7.9 7.8 11.8

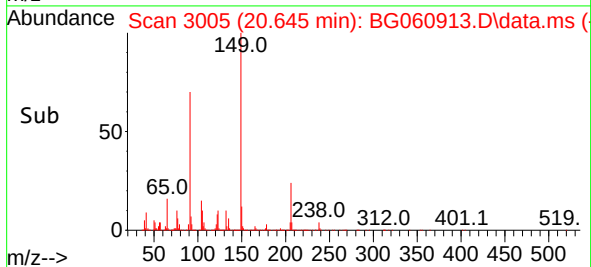
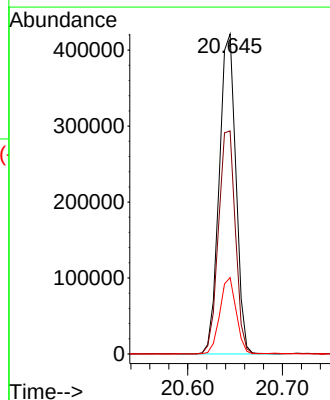
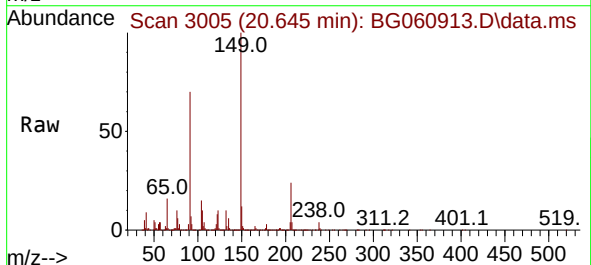
Manual Integrations
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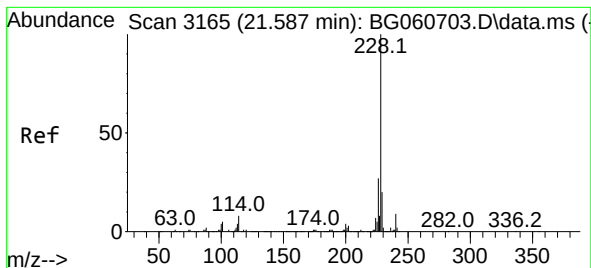
Reviewed By :Yogesh Patel 04/17/2024
 Supervised By :mohammad ahmed 04/18/2024



#80
 Butylbenzylphthalate
 Concen: 39.442 ng
 RT: 20.645 min Scan# 3005
 Delta R.T. -0.020 min
 Lab File: BG060913.D
 Acq: 16 Apr 2024 14:32

Tgt Ion:149 Resp: 516329
 Ion Ratio Lower Upper
 149 100
 91 69.7 60.1 90.1
 206 23.8 16.8 25.2





#81

Benzo(a)anthracene

Concen: 39.559 ng

RT: 21.567 min Scan# 3165

Delta R.T. -0.020 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:228 Resp: 143081

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

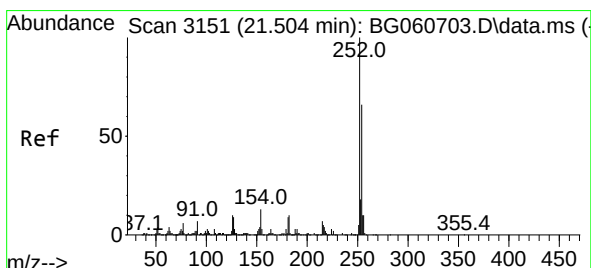
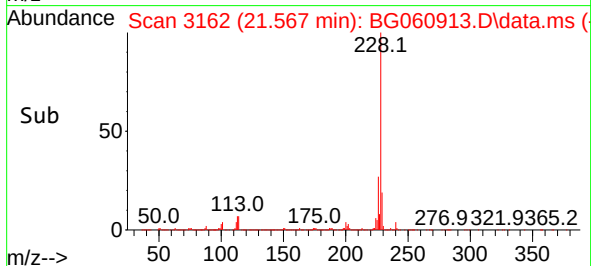
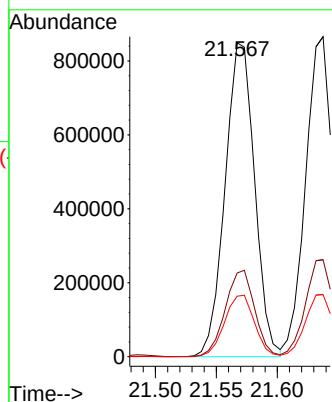
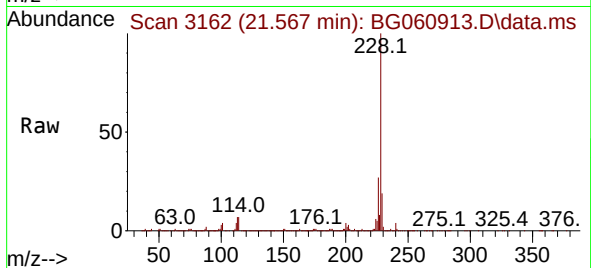
229 19.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#82

3,3'-Dichlorobenzidine

Concen: 31.815 ng

RT: 21.485 min Scan# 3148

Delta R.T. -0.020 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

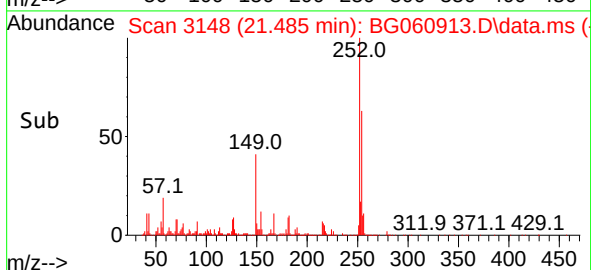
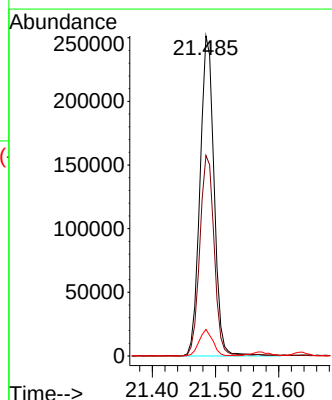
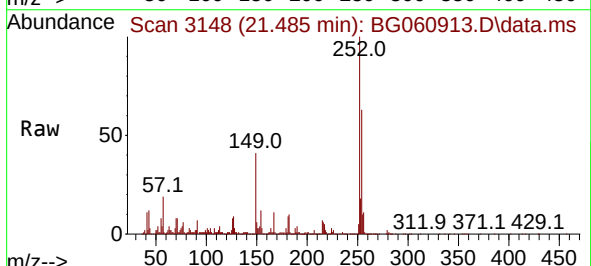
Tgt Ion:252 Resp: 388549

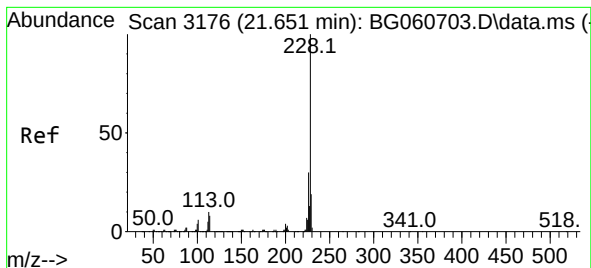
Ion Ratio Lower Upper

252 100

254 62.7 52.6 78.8

126 8.3 7.8 11.8





#83

Chrysene

Concen: 39.072 ng

RT: 21.638 min Scan# 3176

Delta R.T. -0.014 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:228 Resp: 136211

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

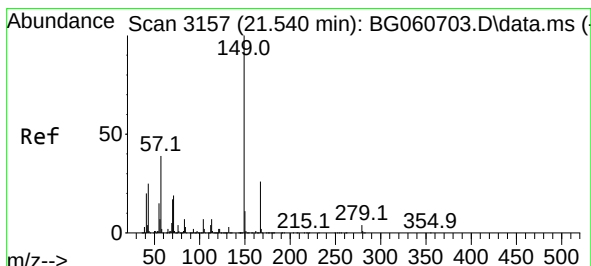
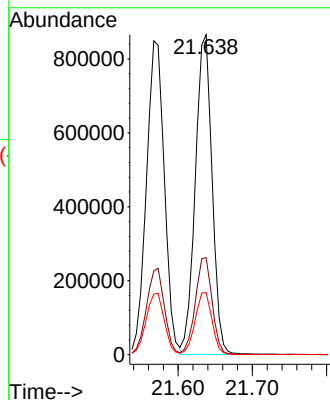
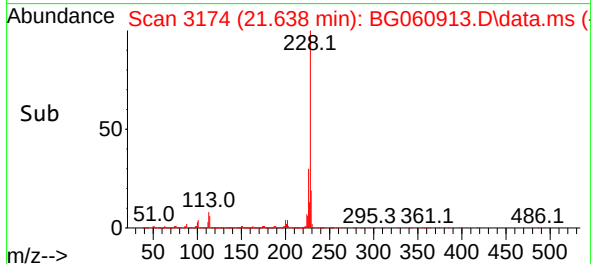
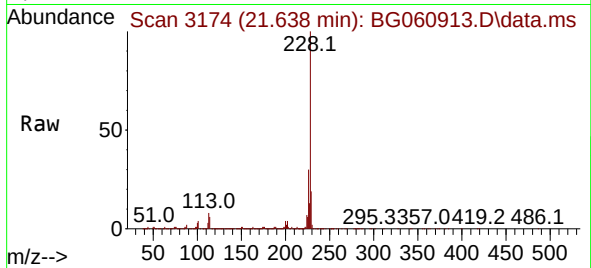
229 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.694 ng

RT: 21.502 min Scan# 3151

Delta R.T. -0.037 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

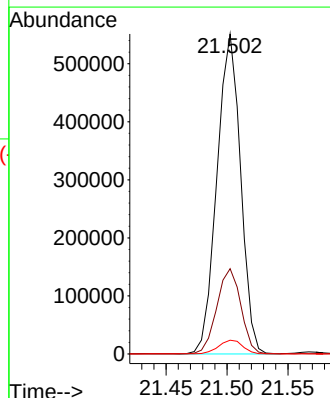
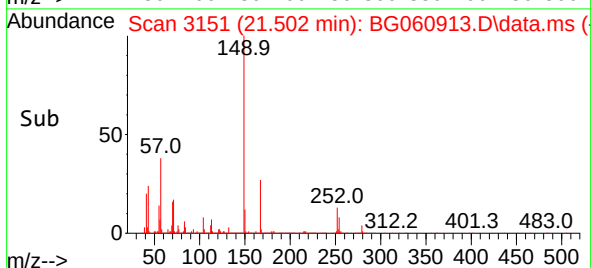
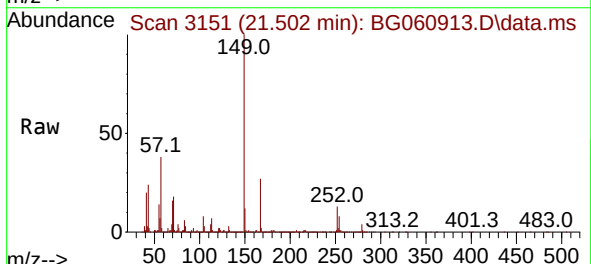
Tgt Ion:149 Resp: 744763

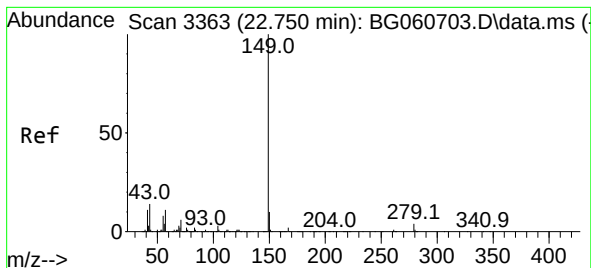
Ion Ratio Lower Upper

149 100

167 26.7 20.6 30.8

279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 38.110 ng

RT: 22.695 min Scan# 31

Delta R.T. -0.055 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:149 Resp: 129541

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

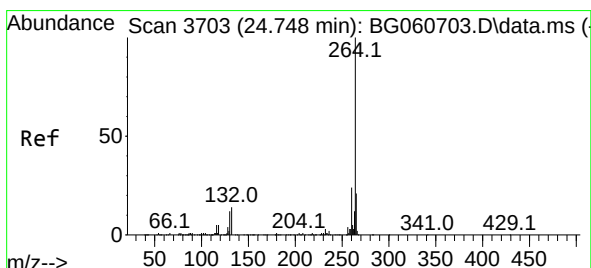
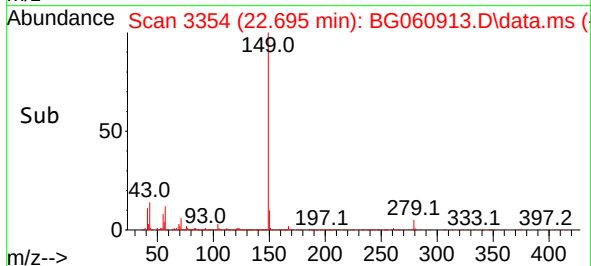
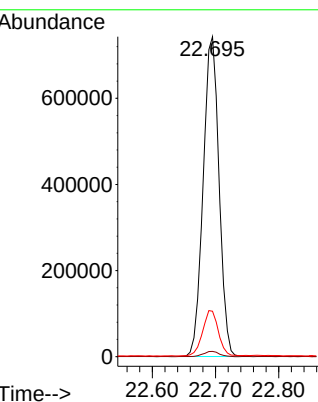
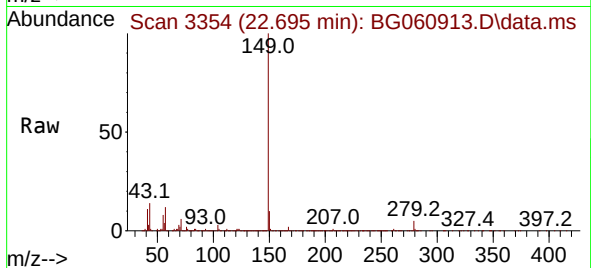
43 14.2 11.3 16.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.722 min Scan# 3699

Delta R.T. -0.025 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

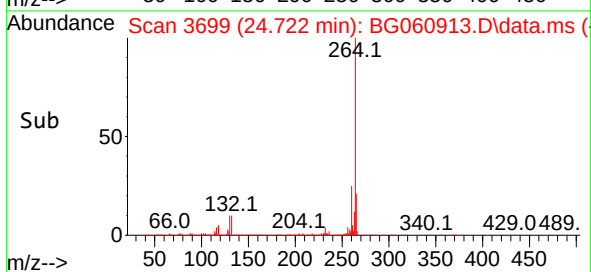
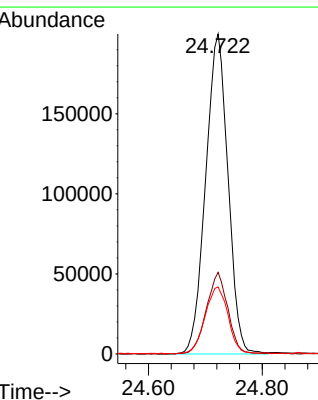
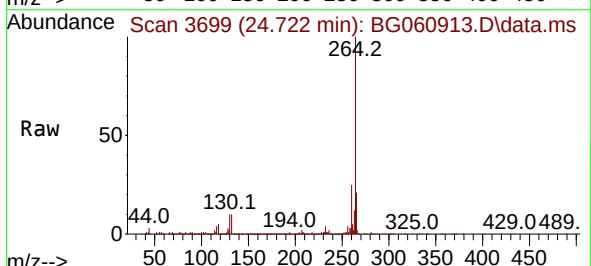
Tgt Ion:264 Resp: 545770

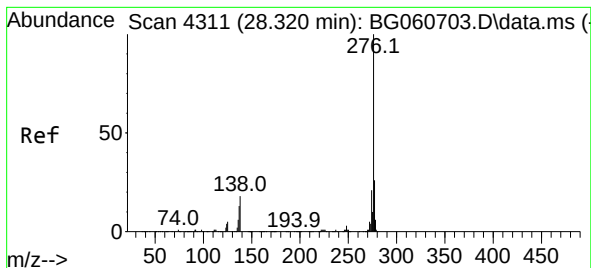
Ion Ratio Lower Upper

264 100

260 25.5 19.5 29.3

265 21.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.467 ng

RT: 28.283 min Scan# 4311

Delta R.T. -0.037 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

Tgt Ion:276 Resp: 1708999

Ion Ratio Lower Upper

276 100

138 10.8 12.4 18.6

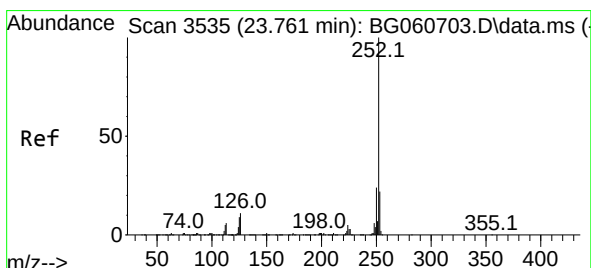
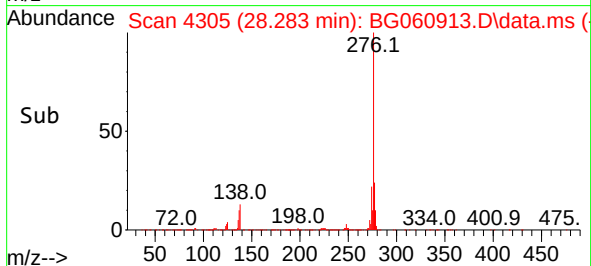
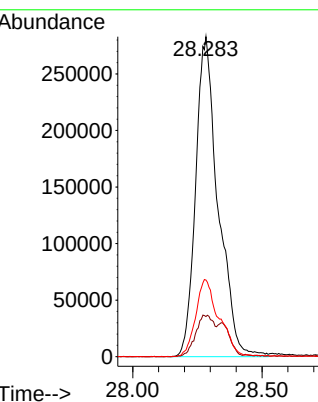
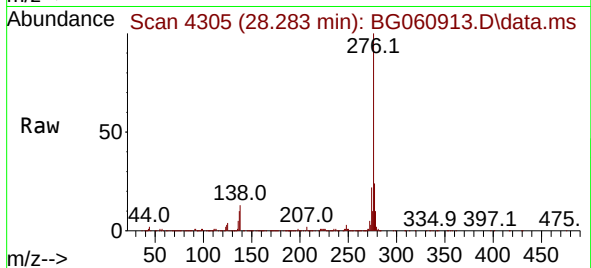
277 25.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#88

Benzo(b)fluoranthene

Concen: 44.298 ng

RT: 23.735 min Scan# 3531

Delta R.T. -0.025 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

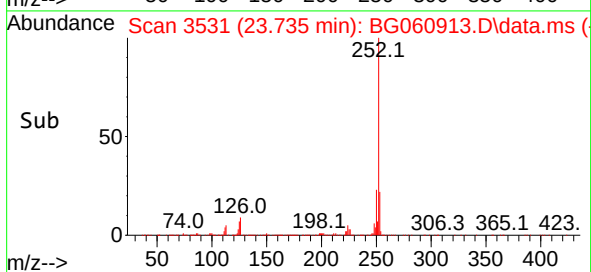
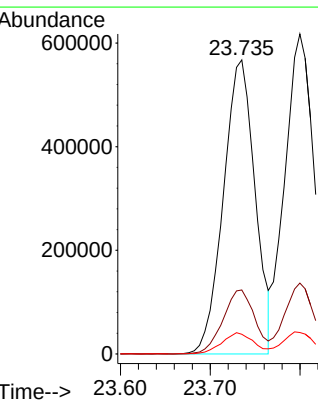
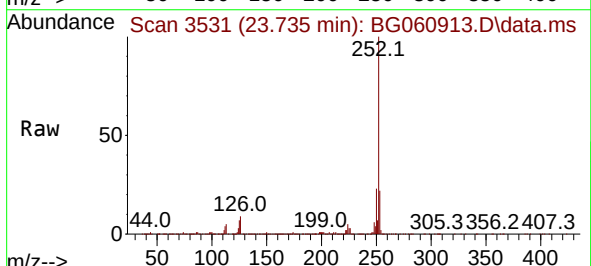
Tgt Ion:252 Resp: 1388938

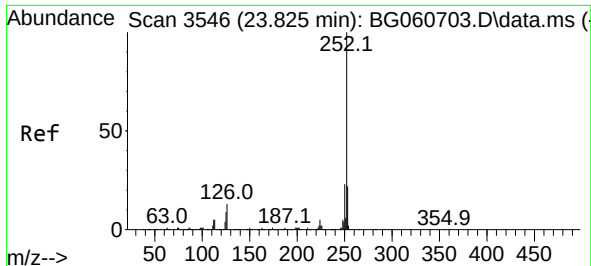
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 6.7 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 43.726 ng
RT: 23.800 min Scan# 31
Delta R.T. -0.025 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS

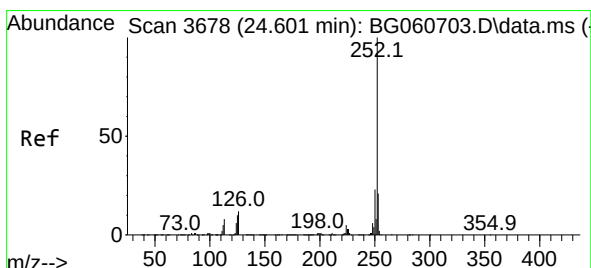
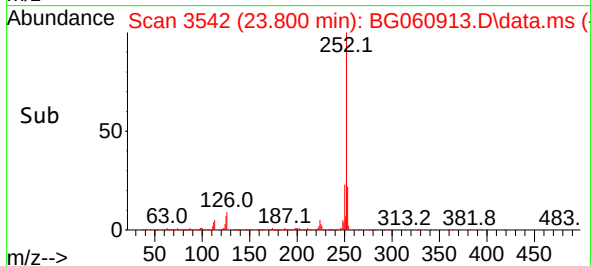
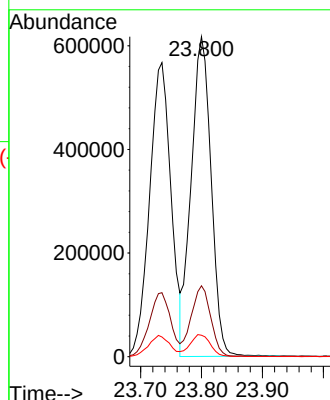
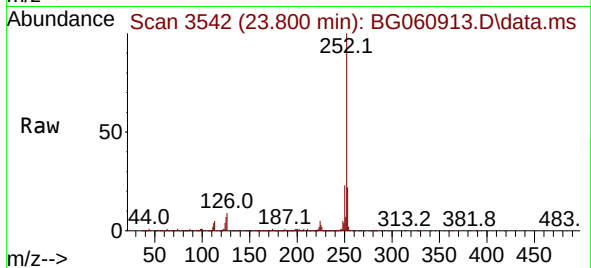
Tgt Ion:252 Resp: 1403280
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 6.7 7.5 11.3

Manual Integrations

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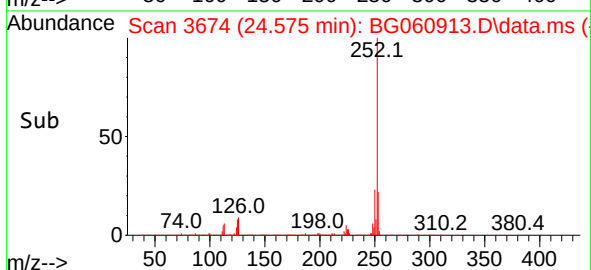
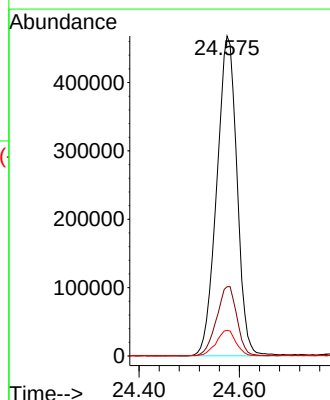
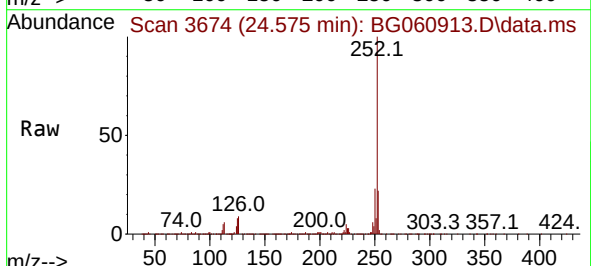
Reviewed By :Yogesh Patel 04/17/2024

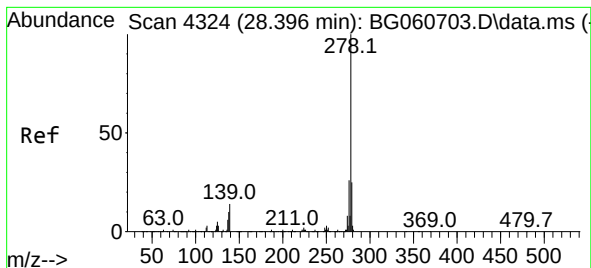
Supervised By :mohammad ahmed 04/18/2024



#90
Benzo(a)pyrene
Concen: 42.838 ng
RT: 24.575 min Scan# 3674
Delta R.T. -0.025 min
Lab File: BG060913.D
Acq: 16 Apr 2024 14:32

Tgt Ion:252 Resp: 1305303
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 8.0 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 43.579 ng

RT: 28.353 min Scan# 41

Delta R.T. -0.043 min

Lab File: BG060913.D

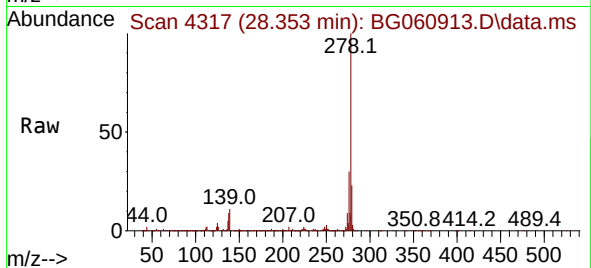
Acq: 16 Apr 2024 14:32

Instrument :

BNA_G

ClientSampleId :

PB160120BS



Tgt Ion:278 Resp: 141188

Ion Ratio Lower Upper

278 100

139 11.1 11.1 16.7

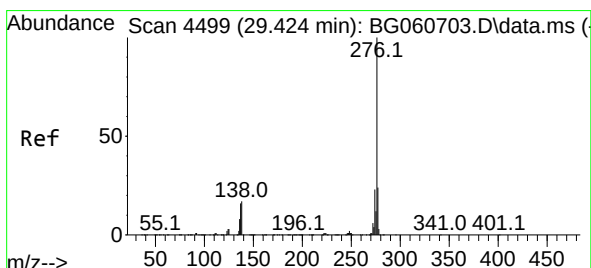
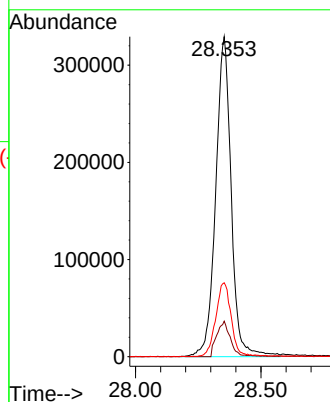
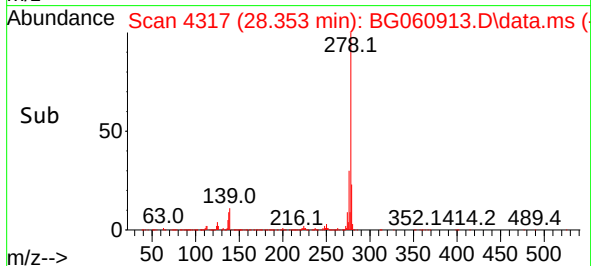
279 23.1 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/17/2024

Supervised By :mohammad ahmed 04/18/2024



#92

Benzo(g,h,i)perylene

Concen: 41.580 ng

RT: 29.387 min Scan# 4493

Delta R.T. -0.037 min

Lab File: BG060913.D

Acq: 16 Apr 2024 14:32

Tgt Ion:276 Resp: 1310432

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 15.0 14.0 21.0

