

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061022.D
 Acq On : 24 Apr 2024 12:25
 Operator : MA/JU
 Sample : PB160449BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB160449BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 24 13:21:00 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 22 04:22:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	20657	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	86807	20.000	ng	0.00
39) Acenaphthene-d10	14.575	164	74169	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	200893	20.000	ng	0.00
76) Chrysene-d12	21.584	240	200769	20.000	ng	0.00
86) Perylene-d12	24.704	264	244014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	166531	163.068	ng	0.00
7) Phenol-d6	7.119	99	221252	146.018	ng	0.01
23) Nitrobenzene-d5	9.099	82	154112	79.764	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	230230	141.358	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	468616	87.445	ng	0.00
79) Terphenyl-d14	19.945	244	1152250	89.085	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.447	88	15984	45.224	ng	95
3) Pyridine	3.834	79	44872	41.073	ng	94
4) n-Nitrosodimethylamine	3.746	42	51048	51.953	ng	# 99
6) Aniline	7.266	93	45188	24.813	ng	98
8) 2-Chlorophenol	7.512	128	66872	52.554	ng	98
9) Benzaldehyde	7.078	77	2884	3.700	ng	# 74
10) Phenol	7.142	94	80940	53.766	ng	96
11) bis(2-Chloroethyl)ether	7.360	93	49924	46.352	ng	97
12) 1,3-Dichlorobenzene	7.830	146	70287	49.810	ng	95
13) 1,4-Dichlorobenzene	7.977	146	72404	49.814	ng	100
14) 1,2-Dichlorobenzene	8.294	146	71800	50.546	ng	94
15) Benzyl Alcohol	8.176	79	69237	48.396	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.458	45	107782	45.970	ng	97
17) 2-Methylphenol	8.388	107	56824	46.748	ng	97
18) Hexachloroethane	9.022	117	25565	48.813	ng	92
19) n-Nitroso-di-n-propyla...	8.746	70	50334	44.574	ng	97
20) 3+4-Methylphenols	8.711	107	80733	47.490	ng	97
22) Acetophenone	8.764	105	106147	43.791	ng	# 94
24) Nitrobenzene	9.140	77	78431	42.245	ng	99
25) Isophorone	9.663	82	139105	43.021	ng	97
26) 2-Nitrophenol	9.851	139	40762	46.715	ng	95
27) 2,4-Dimethylphenol	9.916	122	52986	37.886	ng	88
28) bis(2-Chloroethoxy)met...	10.145	93	76139	44.763	ng	95
29) 2,4-Dichlorophenol	10.386	162	79833	49.458	ng	97
30) 1,2,4-Trichlorobenzene	10.603	180	85977	48.275	ng	95
31) Naphthalene	10.791	128	216952	45.650	ng	98
32) Benzoic acid	10.068	122	51644m	48.463	ng	
33) 4-Chloroaniline	10.891	127	29920	13.859	ng	96
34) Hexachlorobutadiene	11.079	225	72028	45.987	ng	95
35) Caprolactam	11.661	113	24897m	48.424	ng	
36) 4-Chloro-3-methylphenol	12.025	107	89197	47.380	ng	96
37) 2-Methylnaphthalene	12.401	142	160677	43.000	ng	99
38) 1-Methylnaphthalene	12.612	142	149837	42.971	ng	100
40) 1,2,4,5-Tetrachloroben...	12.765	216	130083	49.353	ng	97
41) Hexachlorocyclopentadiene	12.748	237	168710	108.782	ng	100
43) 2,4,6-Trichlorophenol	13.006	196	87328	50.402	ng	94

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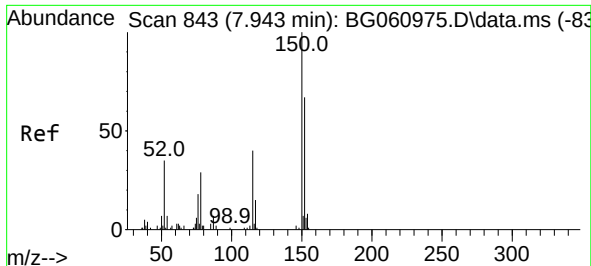
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 22 04:22:00 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.082	196	96458	47.064	ng	97
46) 1,1'-Biphenyl	13.406	154	239668	47.973	ng	96
47) 2-Chloronaphthalene	13.447	162	187146	48.856	ng	97
48) 2-Nitroaniline	13.646	65	71755	46.414	ng	94
49) Acenaphthylene	14.293	152	320038	49.608	ng	98
50) Dimethylphthalate	14.034	163	287039	46.932	ng	100
51) 2,6-Dinitrotoluene	14.146	165	60666	47.538	ng	94
52) Acenaphthene	14.639	154	178937	45.648	ng	99
53) 3-Nitroaniline	14.475	138	29230	23.229	ng	99
54) 2,4-Dinitrophenol	14.686	184	82772	98.198	ng	97
55) Dibenzofuran	14.974	168	314897	46.520	ng	98
56) 4-Nitrophenol	14.798	139	95815	106.283	ng	99
57) 2,4-Dinitrotoluene	14.939	165	90756	49.379	ng	# 93
58) Fluorene	15.626	166	271438	47.509	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.203	232	104501	50.519	ng	# 99
60) Diethylphthalate	15.397	149	281571	46.748	ng	98
61) 4-Chlorophenyl-phenyle...	15.615	204	160544	45.561	ng	99
62) 4-Nitroaniline	15.638	138	60991	44.950	ng	97
63) Azobenzene	15.909	77	227821	46.503	ng	96
65) 4,6-Dinitro-2-methylph...	15.703	198	62523	50.404	ng	95
66) n-Nitrosodiphenylamine	15.832	169	258545	46.713	ng	99
67) 4-Bromophenyl-phenylether	16.514	248	121876	45.969	ng	98
68) Hexachlorobenzene	16.631	284	147053	50.214	ng	99
69) Atrazine	16.784	200	112143	54.137	ng	95
70) Pentachlorophenol	16.972	266	188889	98.363	ng	97
71) Phenanthrene	17.366	178	482456	47.050	ng	98
72) Anthracene	17.454	178	496505	47.013	ng	99
73) Carbazole	17.724	167	417719	47.625	ng	98
74) Di-n-butylphthalate	18.294	149	494089	46.399	ng	99
75) Fluoranthene	19.375	202	640127	47.038	ng	98
77) Benzidine	19.551	184	159168	42.787	ng	99
78) Pyrene	19.739	202	656511	48.025	ng	100
80) Butylbenzylphthalate	20.632	149	208464	45.752	ng	98
81) Benzo(a)anthracene	21.561	228	685188	48.542	ng	98
82) 3,3'-Dichlorobenzidine	21.478	252	157199	30.816	ng	# 98
83) Chrysene	21.631	228	642259	47.791	ng	100
84) Bis(2-ethylhexyl)phtha...	21.490	149	298592	45.074	ng	97
85) Di-n-octyl phthalate	22.677	149	511851	46.540	ng	97
87) Indeno(1,2,3-cd)pyrene	28.265	276	846986	50.036	ng	99
88) Benzo(b)fluoranthene	23.723	252	673277	48.689	ng	100
89) Benzo(k)fluoranthene	23.788	252	682773	48.912	ng	98
90) Benzo(a)pyrene	24.569	252	628590	46.964	ng	100
91) Dibenzo(a,h)anthracene	28.329	278	682312	49.336	ng	99
92) Benzo(g,h,i)perylene	29.369	276	641588	46.788	ng	94

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.941 min Scan# 84
 Delta R.T. -0.002 min
 Lab File: BG061022.D
 Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

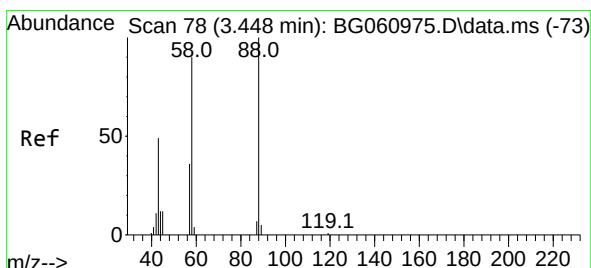
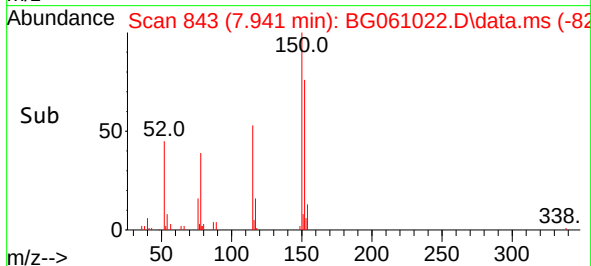
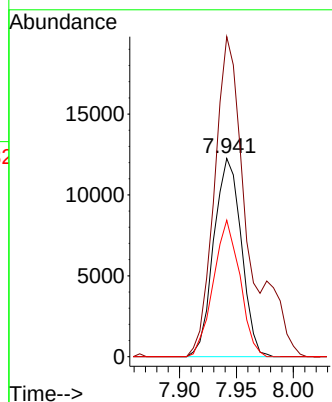
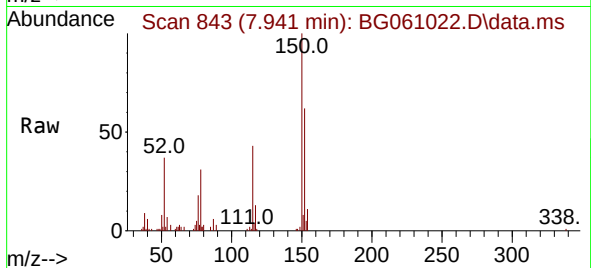
PB160449BS

Tgt Ion:152 Resp: 2065
 Ion Ratio Lower Upper
 152 100
 150 161.4 118.6 178.0
 115 68.8 47.4 71.0

Manual Integrations

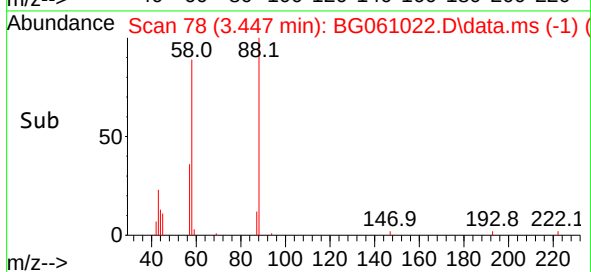
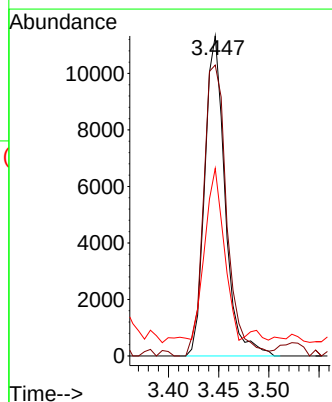
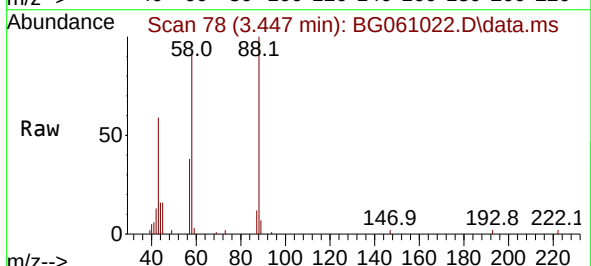
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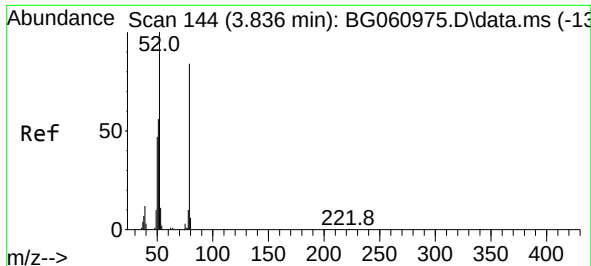
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#2
 1,4-Dioxane
 Concen: 45.224 ng
 RT: 3.447 min Scan# 78
 Delta R.T. -0.002 min
 Lab File: BG061022.D
 Acq: 24 Apr 2024 12:25

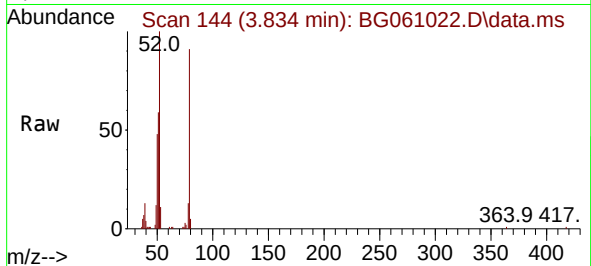
Tgt Ion: 88 Resp: 15984
 Ion Ratio Lower Upper
 88 100
 58 104.5 80.2 120.2
 43 48.9 43.4 65.0





#3
Pyridine
Concen: 41.073 ng
RT: 3.834 min Scan# 144
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

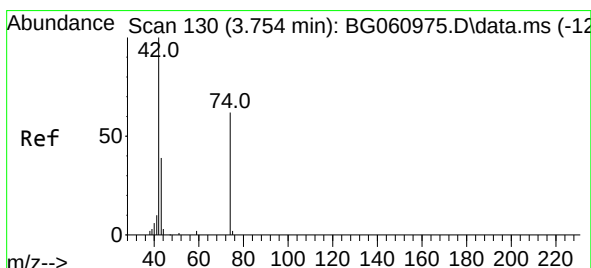
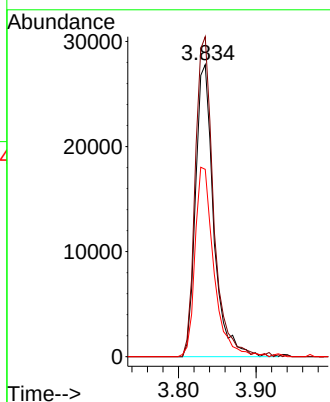
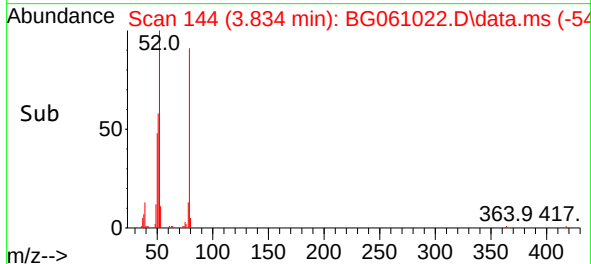
Instrument :
BNA_G
ClientSampleId :
PB160449BS



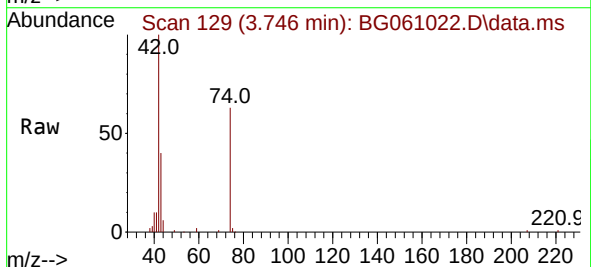
Tgt Ion: 79 Resp: 44872
Ion Ratio Lower Upper
79 100
52 109.6 95.0 142.6
51 64.2 53.3 79.9

Manual Integrations
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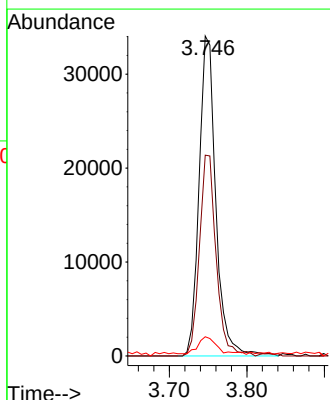
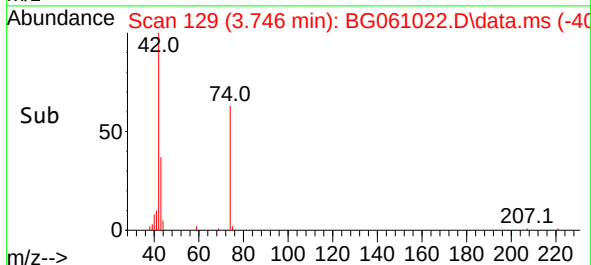
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

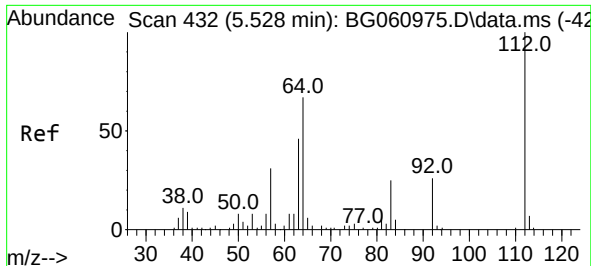


#4
n-Nitrosodimethylamine
Concen: 51.953 ng
RT: 3.746 min Scan# 129
Delta R.T. -0.007 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion: 42 Resp: 51048
Ion Ratio Lower Upper
42 100
74 62.7 49.8 74.6
44 6.0 3.8 5.6#





#5
2-Fluorophenol
Concen: 163.068 ng
RT: 5.532 min Scan# 411
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

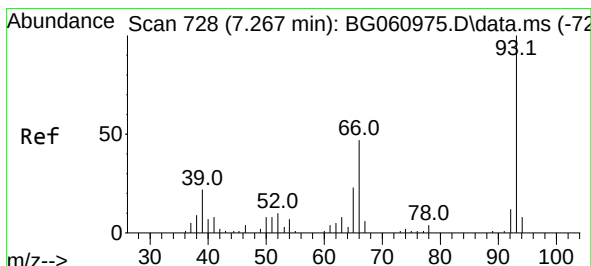
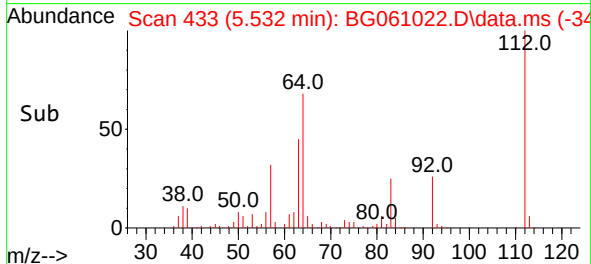
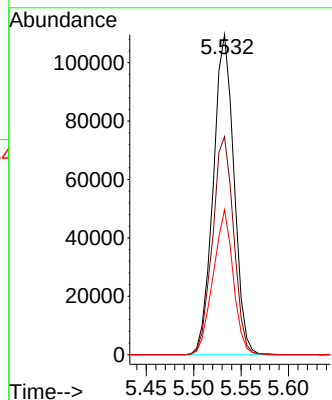
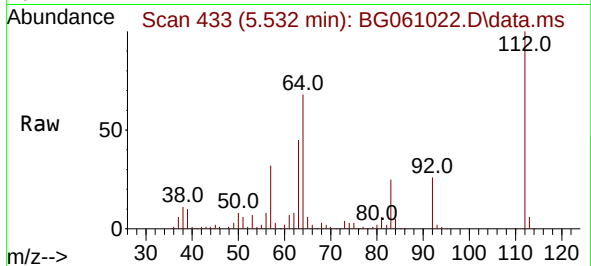
ClientSampleId :

PB160449BS

Tgt Ion:112 Resp: 16653
Ion Ratio Lower Upper
112 100
64 68.1 53.7 80.5
63 45.3 37.0 55.6

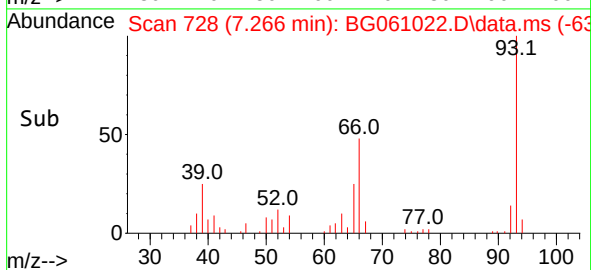
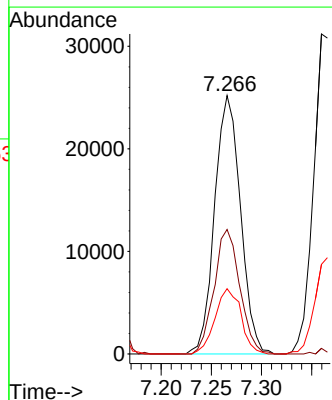
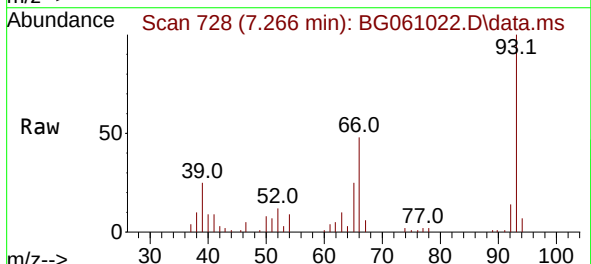
Manual Integrations
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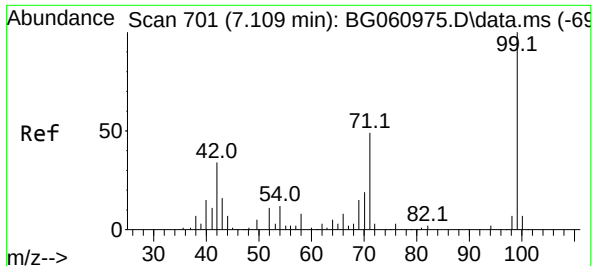
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#6
Aniline
Concen: 24.813 ng
RT: 7.266 min Scan# 728
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

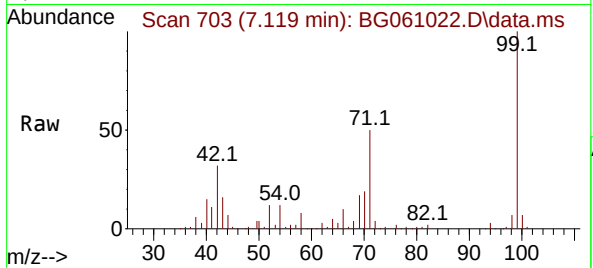
Tgt Ion: 93 Resp: 45188
Ion Ratio Lower Upper
93 100
66 48.1 37.9 56.9
65 25.2 18.2 27.4





#7
Phenol-d6
Concen: 146.018 ng
RT: 7.119 min Scan# 701
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

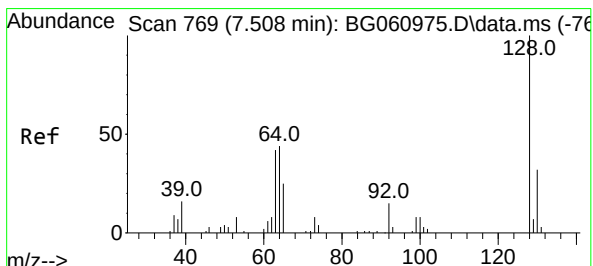
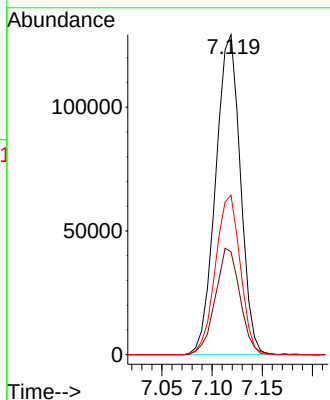
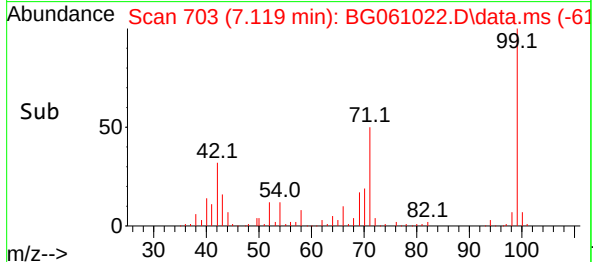
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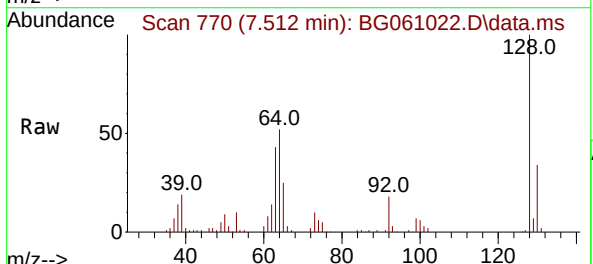
Tgt Ion: 99 Resp: 221252
Ion Ratio Lower Upper
99 100
42 32.1 27.2 40.8
71 49.8 38.8 58.2

Manual Integrations
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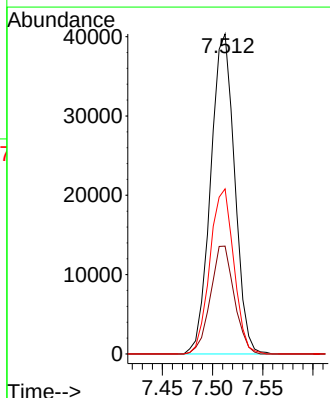
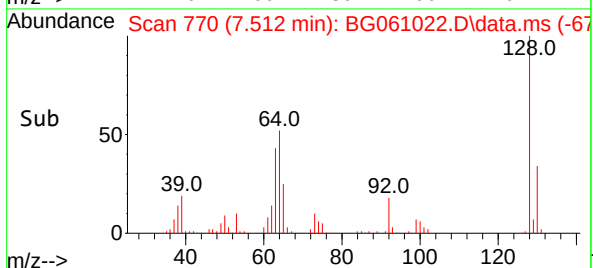
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

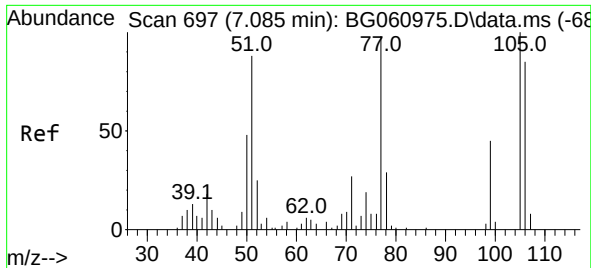


#8
2-Chlorophenol
Concen: 52.554 ng
RT: 7.512 min Scan# 770
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:128 Resp: 66872
Ion Ratio Lower Upper
128 100
130 33.7 12.2 52.2
64 51.6 30.8 70.8





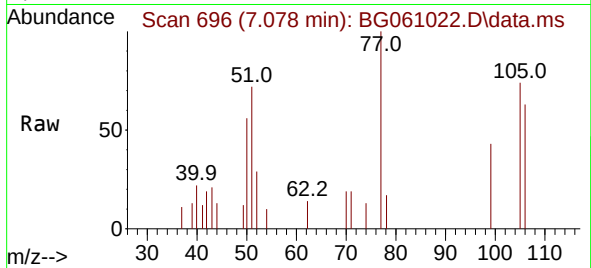
#9
Benzaldehyde
Concen: 3.700 ng
RT: 7.078 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



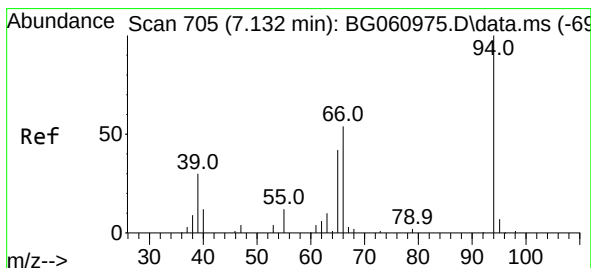
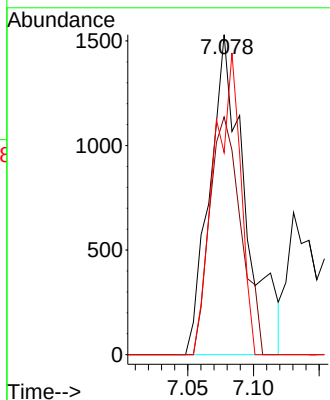
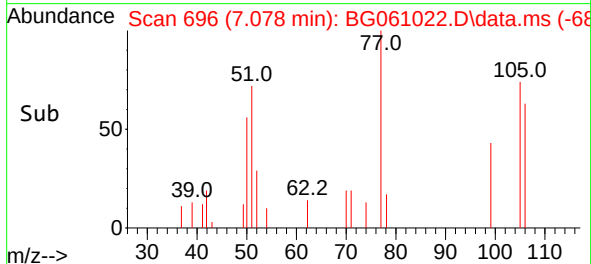
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Ion Ratio Lower Upper
77 100
105 74.3 81.7 121.7
106 63.1 66.7 106.7

Manual Integrations

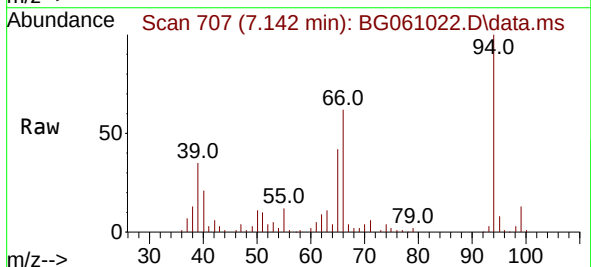
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

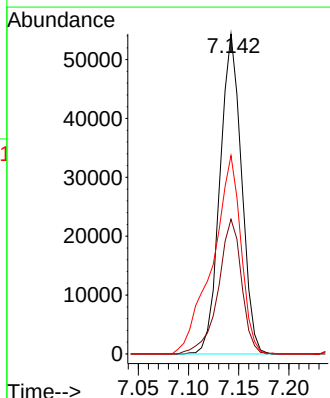
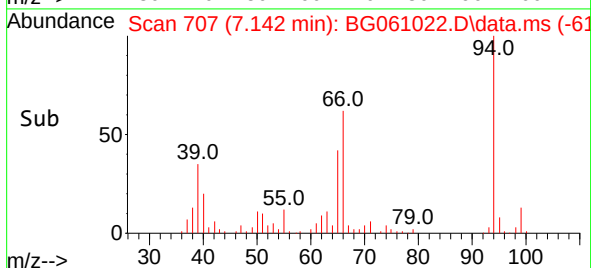
Supervised By :mohammad ahmed 04/27/2024

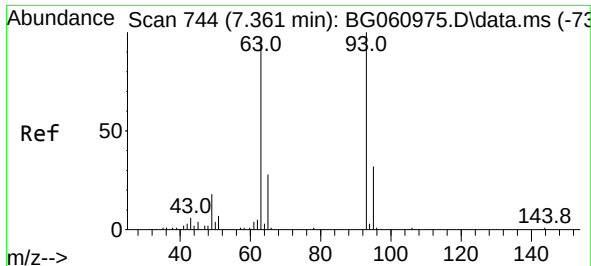


#10
Phenol
Concen: 53.766 ng
RT: 7.142 min Scan# 707
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



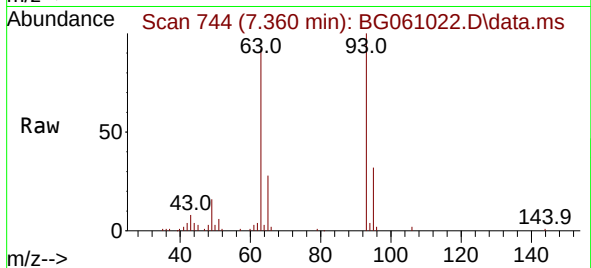
Tgt Ion: 94 Resp: 80940
Ion Ratio Lower Upper
94 100
65 42.1 23.1 63.1
66 62.0 38.0 78.0





#11
bis(2-Chloroethyl)ether
Concen: 46.352 ng
RT: 7.360 min Scan# 744
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

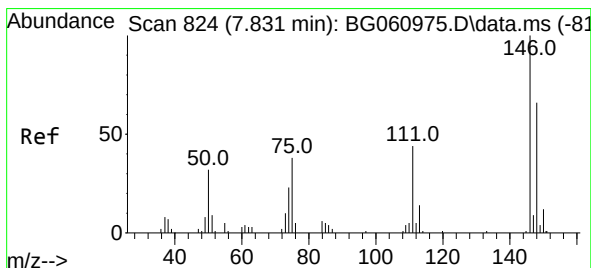
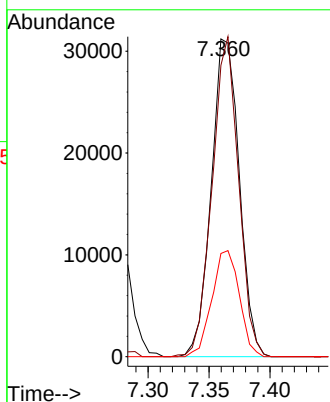
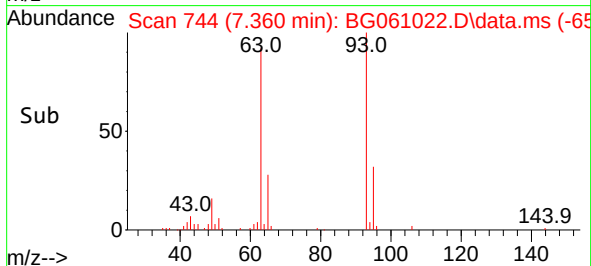
Instrument :
BNA_G
ClientSampleId :
PB160449BS



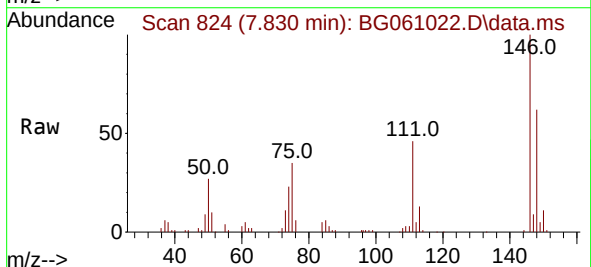
Tgt Ion: 93 Resp: 49924
Ion Ratio Lower Upper
93 100
63 91.7 75.6 115.6
95 32.5 12.1 52.1

Manual Integrations
APPROVED

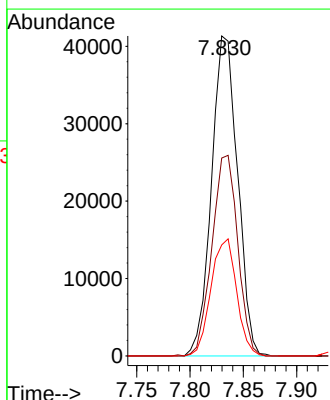
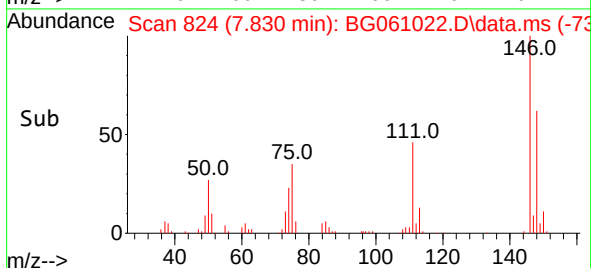
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

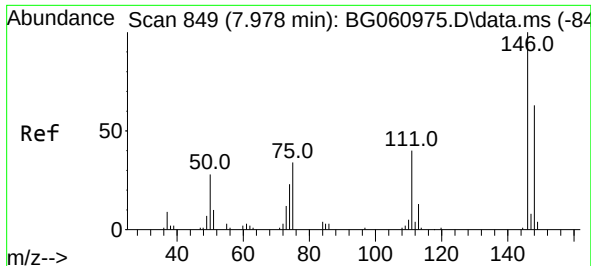


#12
1,3-Dichlorobenzene
Concen: 49.810 ng
RT: 7.830 min Scan# 824
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:146 Resp: 70287
Ion Ratio Lower Upper
146 100
148 61.9 52.7 79.1
75 34.7 30.1 45.1





#13

1,4-Dichlorobenzene

Concen: 49.814 ng

RT: 7.977 min Scan# 849

Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

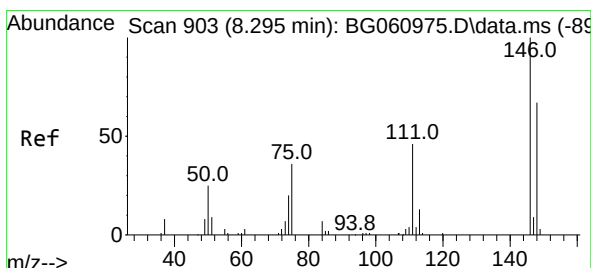
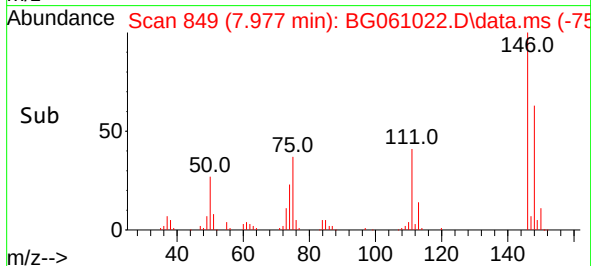
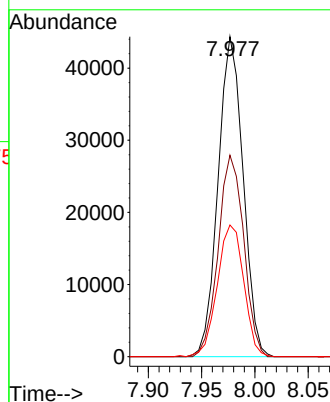
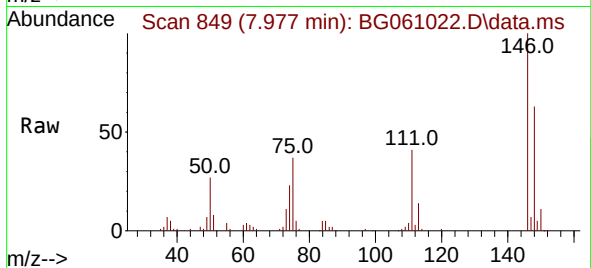
Tgt Ion:146 Resp: 72404
 Ion Ratio Lower Upper
 146 100
 148 62.9 50.4 75.6
 111 41.2 32.7 49.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#14

1,2-Dichlorobenzene

Concen: 50.546 ng

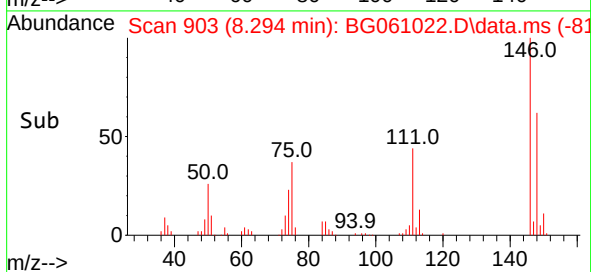
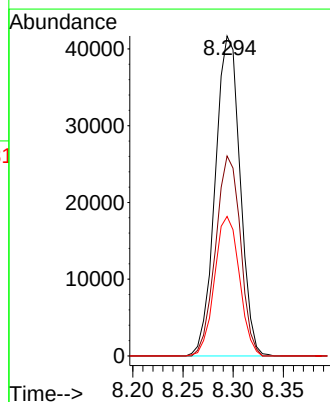
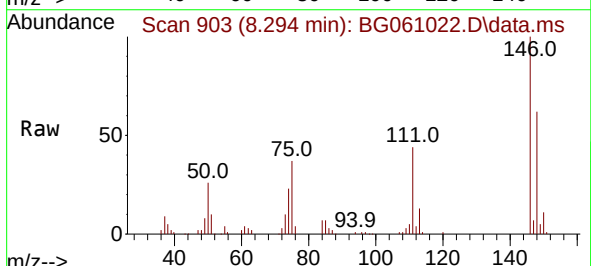
RT: 8.294 min Scan# 903

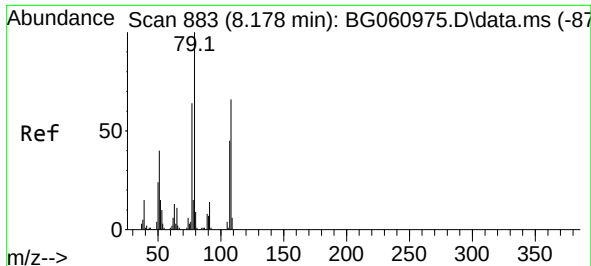
Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

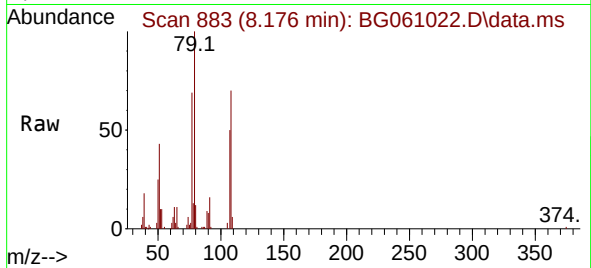
Tgt Ion:146 Resp: 71800
 Ion Ratio Lower Upper
 146 100
 148 62.5 53.8 80.8
 111 43.6 38.2 57.2





#15
Benzyl Alcohol
Concen: 48.396 ng
RT: 8.176 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

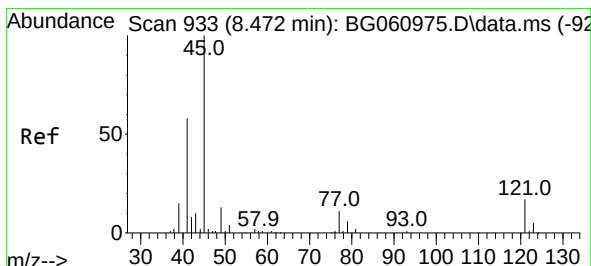
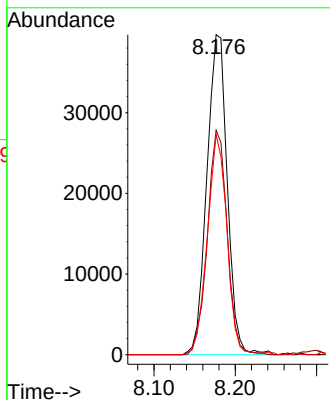
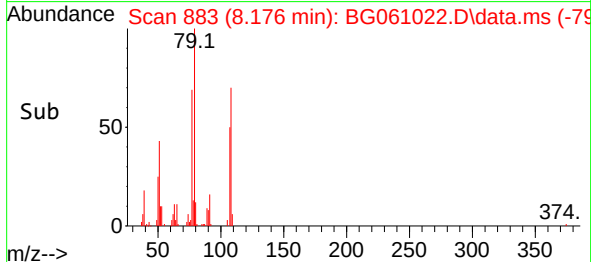
Instrument :
BNA_G
ClientSampleId :
PB160449BS



Tgt Ion: 79 Resp: 6923
Ion Ratio Lower Upper
79 100
108 70.2 53.0 79.6
77 68.8 51.4 77.0

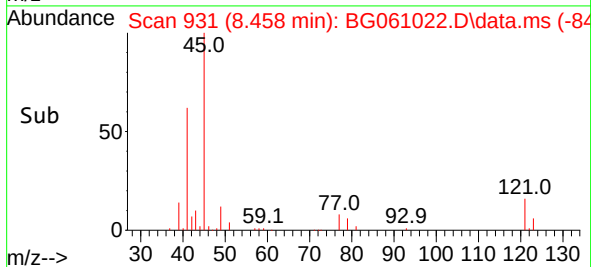
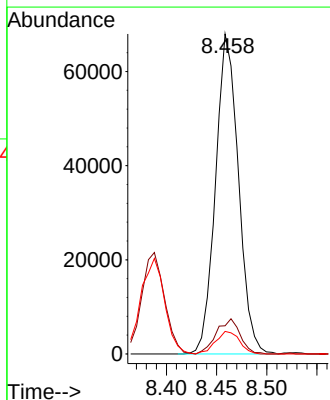
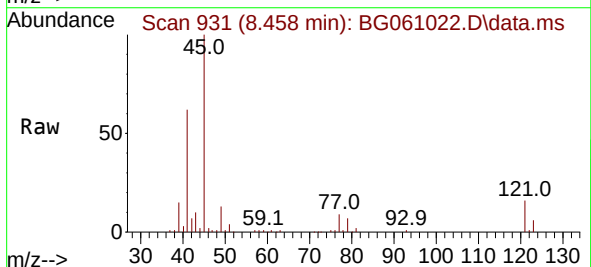
Manual Integrations
APPROVED

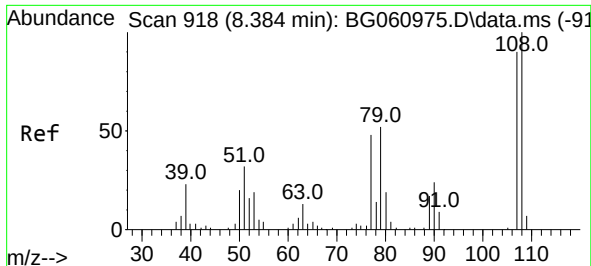
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.970 ng
RT: 8.458 min Scan# 931
Delta R.T. -0.013 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion: 45 Resp: 107782
Ion Ratio Lower Upper
45 100
77 8.8 0.0 30.6
79 7.1 0.0 26.6





#17
2-Methylphenol
Concen: 46.748 ng
RT: 8.388 min Scan# 918
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

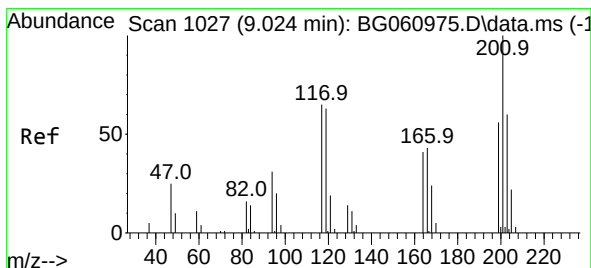
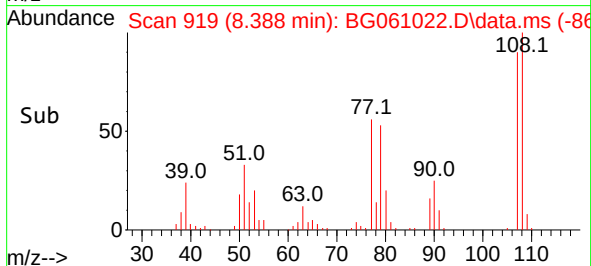
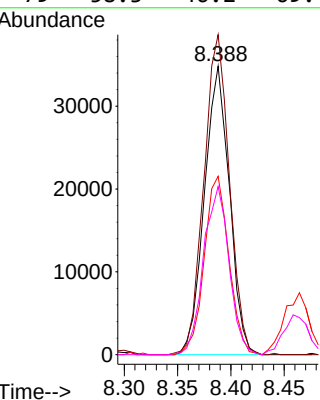
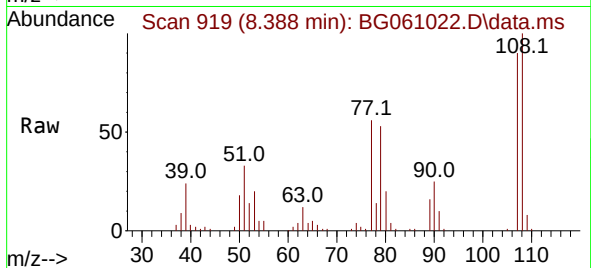
PB160449BS

Tgt Ion:107 Resp: 56824
Ion Ratio Lower Upper
107 100
108 110.9 89.2 133.8
77 61.9 43.0 64.6
79 58.3 46.2 69.4

Manual Integrations

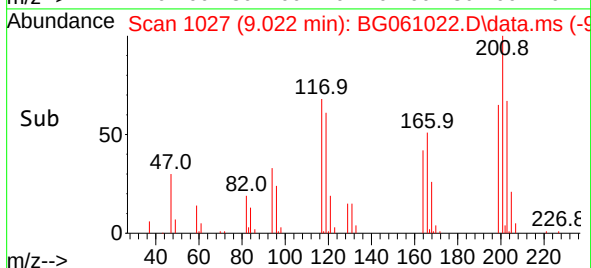
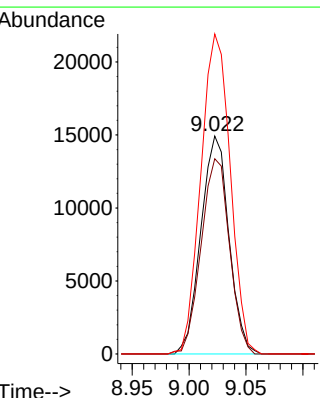
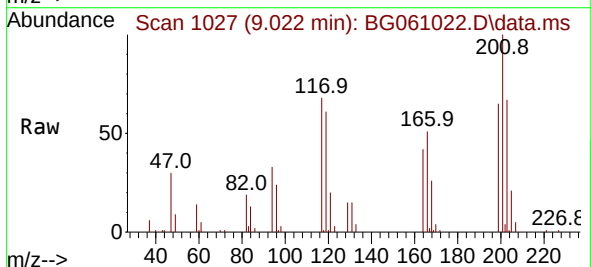
APPROVED

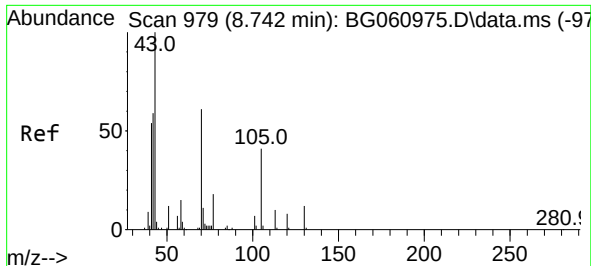
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#18
Hexachloroethane
Concen: 48.813 ng
RT: 9.022 min Scan# 1027
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

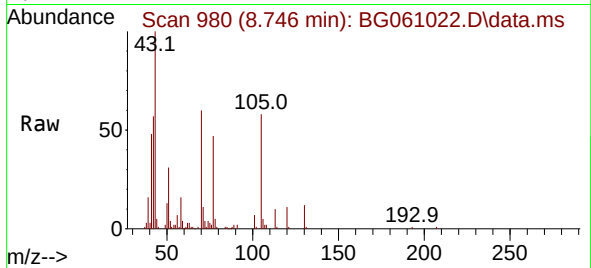
Tgt Ion:117 Resp: 25565
Ion Ratio Lower Upper
117 100
119 89.5 79.8 119.8
201 146.8 124.0 186.0





#19
n-Nitroso-di-n-propylamine
Concen: 44.574 ng
RT: 8.746 min Scan# 979
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

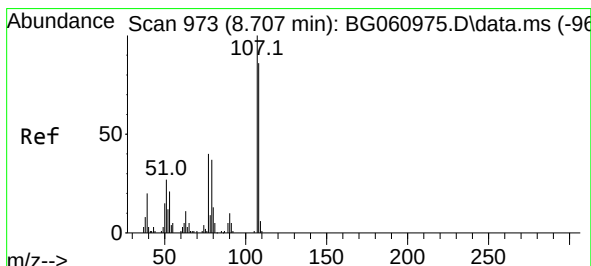
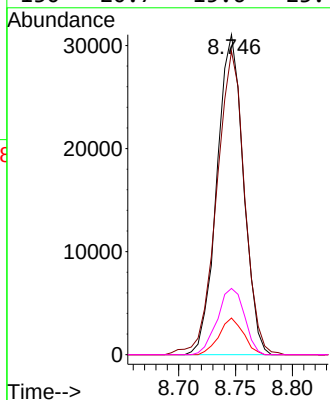
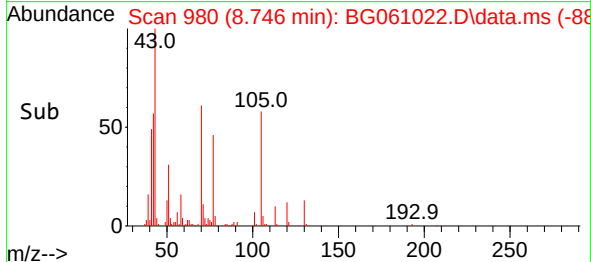
Instrument :
BNA_G
ClientSampleId :
PB160449BS



Tgt Ion: 70 Resp: 50334
Ion Ratio Lower Upper
70 100
42 94.8 78.0 117.0
101 11.4 8.6 13.0
130 20.7 15.6 23.4

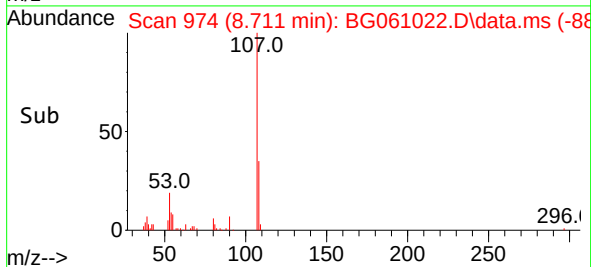
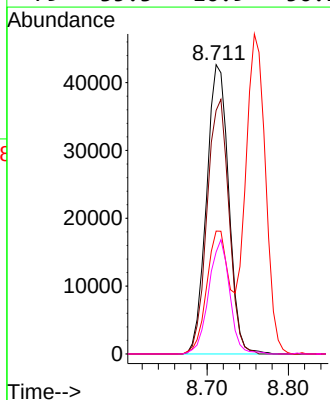
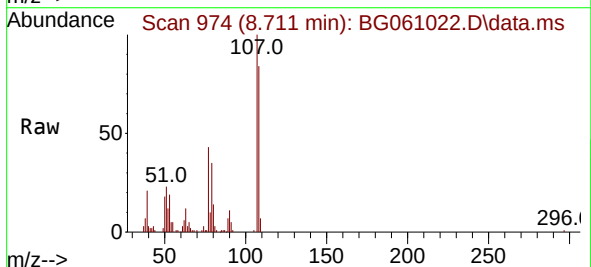
Manual Integrations
APPROVED

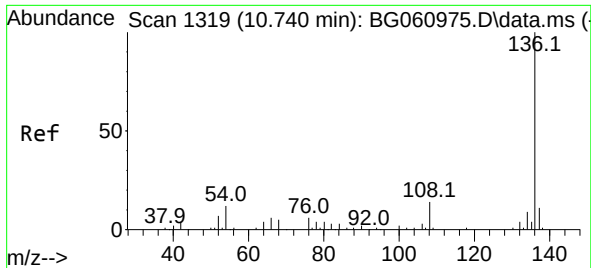
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#20
3+4-Methylphenols
Concen: 47.490 ng
RT: 8.711 min Scan# 974
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:107 Resp: 80733
Ion Ratio Lower Upper
107 100
108 84.2 66.5 106.5
77 42.5 19.9 59.9
79 35.3 16.9 56.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 111
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

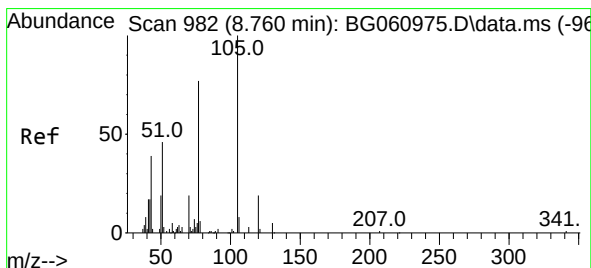
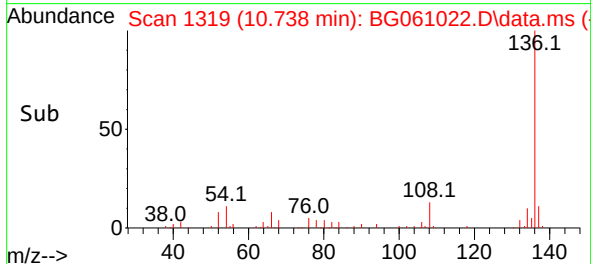
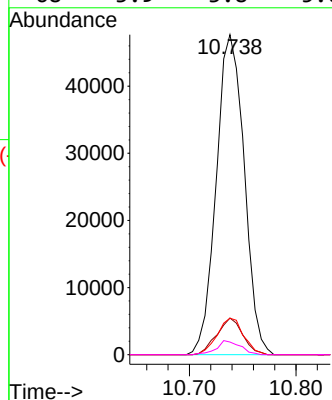
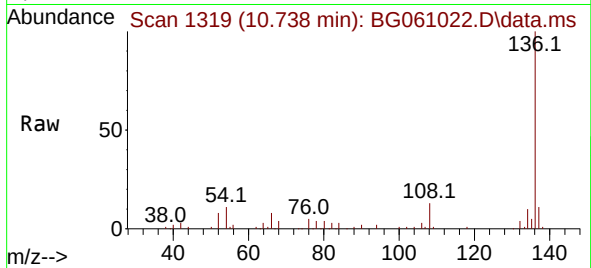
PB160449BS

Tgt Ion:136	Resp:	8680
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.5 12.7
54	11.4	9.4 14.0
68	3.9	3.8 5.6

Manual Integrations

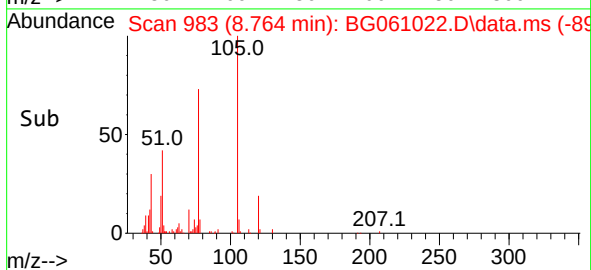
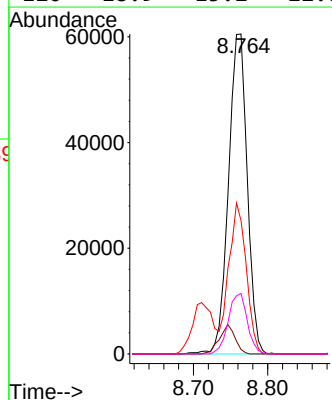
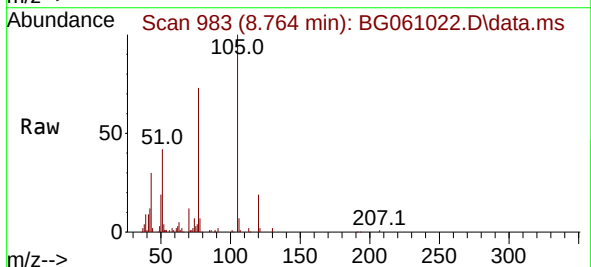
APPROVED

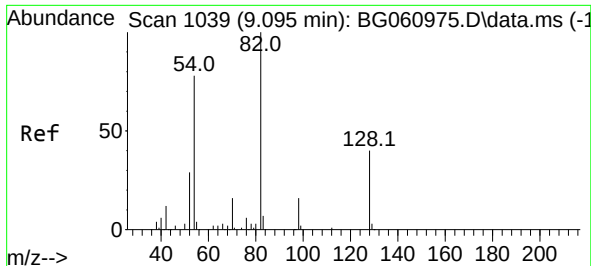
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#22
Acetophenone
Concen: 43.791 ng
RT: 8.764 min Scan# 983
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:105	Resp:	106147
Ion Ratio	Lower	Upper
105	100	
71	1.4	2.5 3.7#
51	41.7	37.8 56.6
120	18.9	15.2 22.8





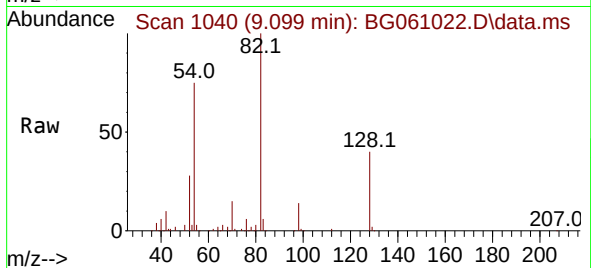
#23
Nitrobenzene-d5
Concen: 79.764 ng
RT: 9.099 min Scan# 1039
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

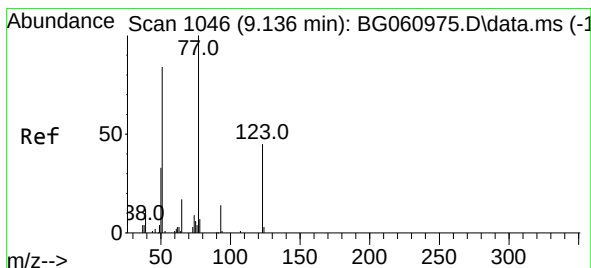
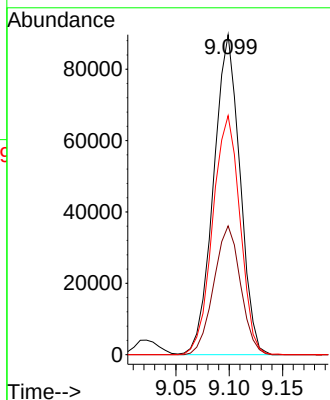
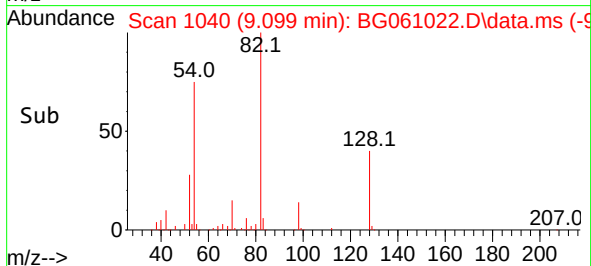


Tgt Ion: 82 Resp: 15411
Ion Ratio Lower Upper
82 100
128 40.3 32.1 48.1
54 74.7 62.3 93.5

Manual Integrations

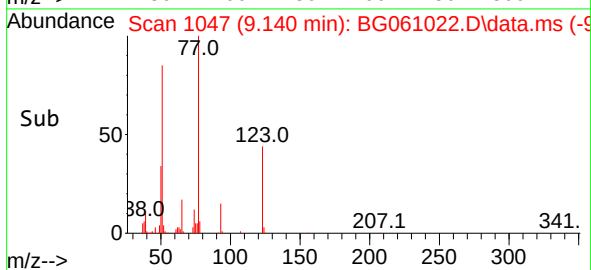
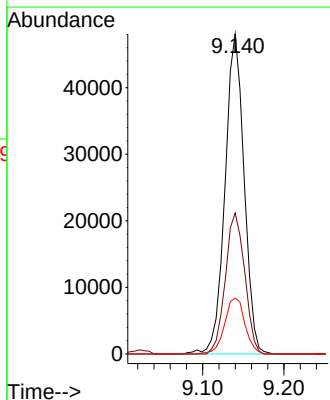
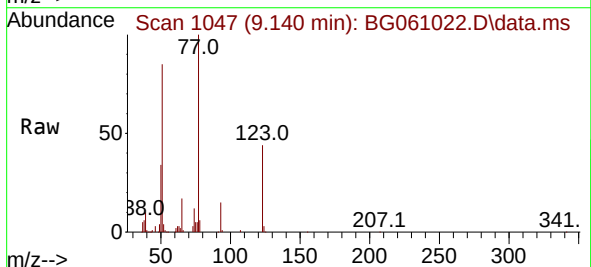
APPROVED

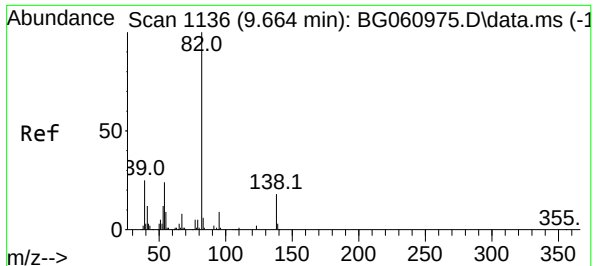
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#24
Nitrobenzene
Concen: 42.245 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion: 77 Resp: 78431
Ion Ratio Lower Upper
77 100
123 44.0 35.9 53.9
65 17.4 13.3 19.9





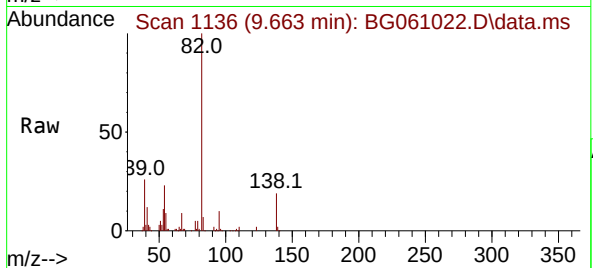
#25
Isophorone
Concen: 43.021 ng
RT: 9.663 min Scan# 1136
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

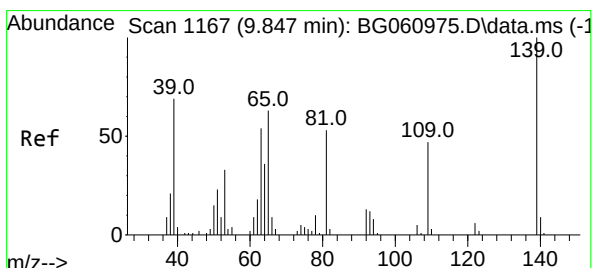
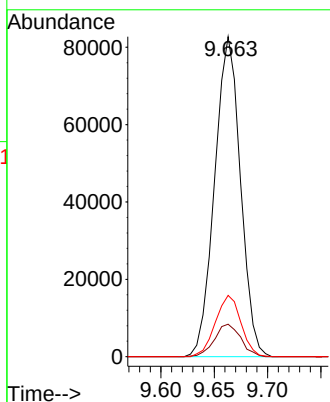
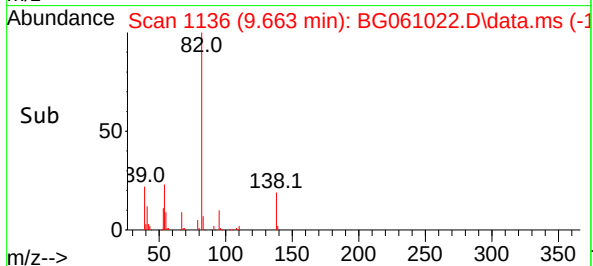


Tgt Ion: 82 Resp: 13910
Ion Ratio Lower Upper
82 100
95 10.2 7.6 11.4
138 19.1 14.2 21.2

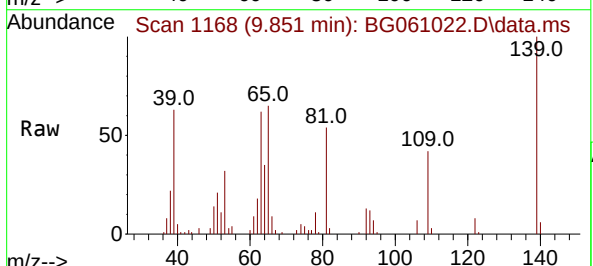
Manual Integrations

APPROVED

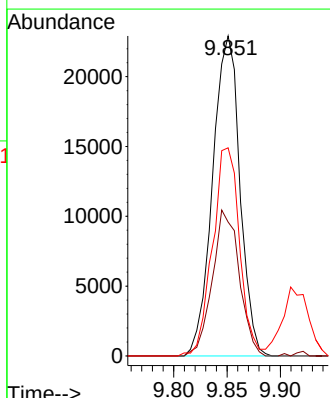
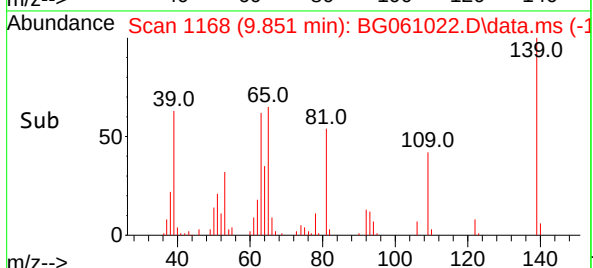
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

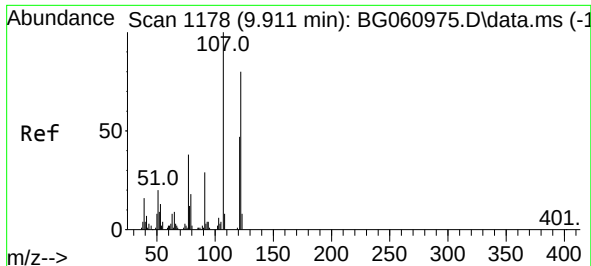


#26
2-Nitrophenol
Concen: 46.715 ng
RT: 9.851 min Scan# 1168
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:139 Resp: 40762
Ion Ratio Lower Upper
139 100
109 41.8 37.4 56.2
65 65.1 50.4 75.6





#27

2,4-Dimethylphenol

Concen: 37.886 ng

RT: 9.916 min Scan# 1178

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

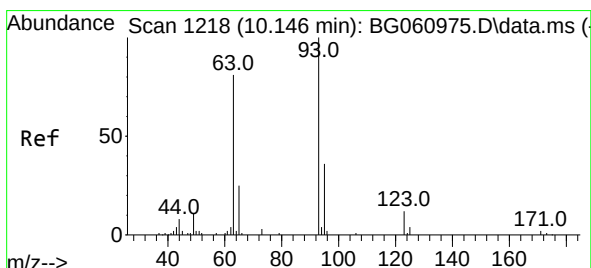
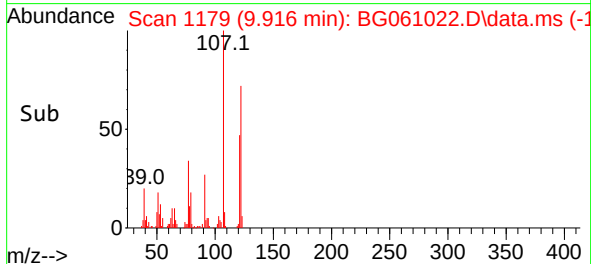
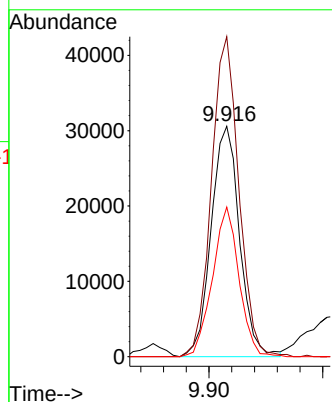
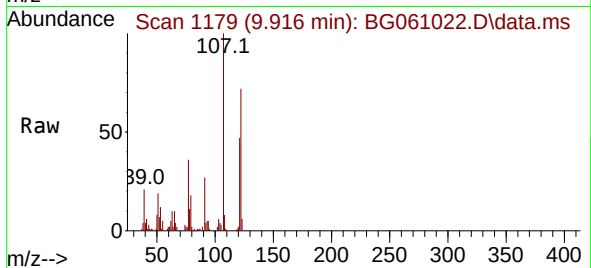
Tgt Ion:	122	Resp:	5298
Ion	Ratio	Lower	Upper
122	100		
107	138.9	98.7	148.1
121	64.9	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 44.763 ng

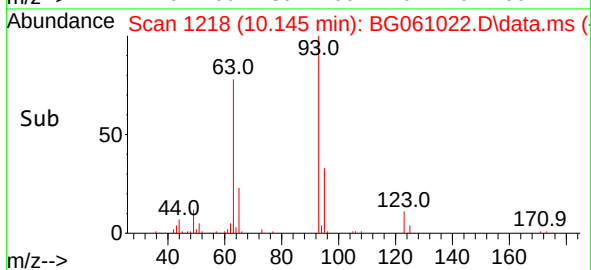
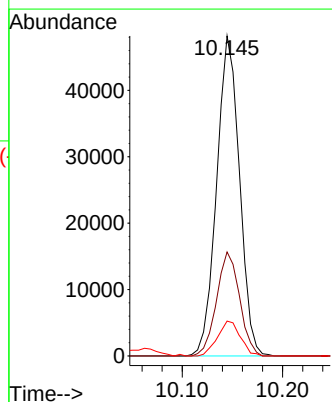
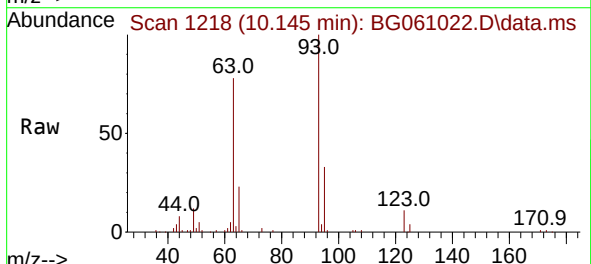
RT: 10.145 min Scan# 1218

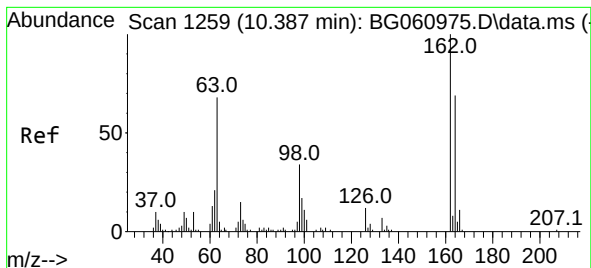
Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:	93	Resp:	76139
Ion	Ratio	Lower	Upper
93	100		
95	32.5	28.8	43.2
123	10.9	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 49.458 ng
RT: 10.386 min Scan# 1259
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

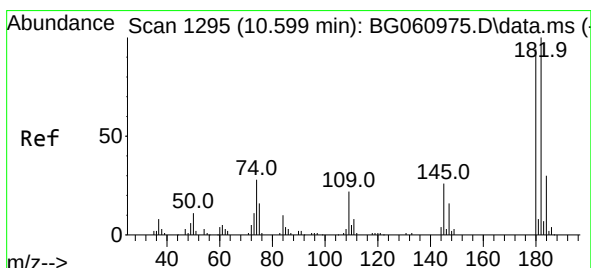
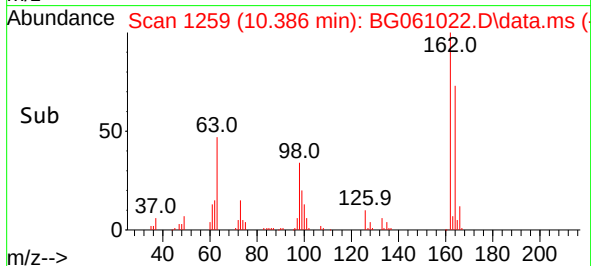
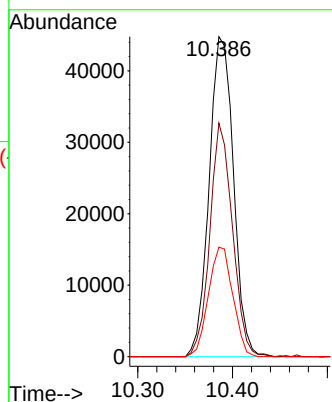
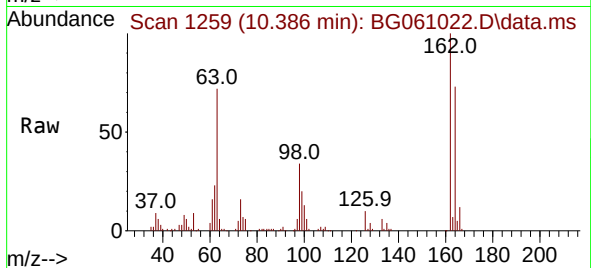
ClientSampleId :

PB160449BS

Tgt Ion:162 Resp: 7983
Ion Ratio Lower Upper
162 100
164 73.0 49.0 89.0
98 34.2 14.3 54.3

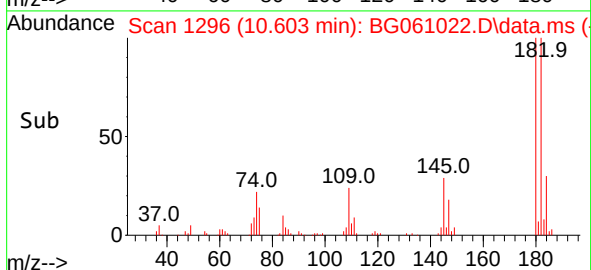
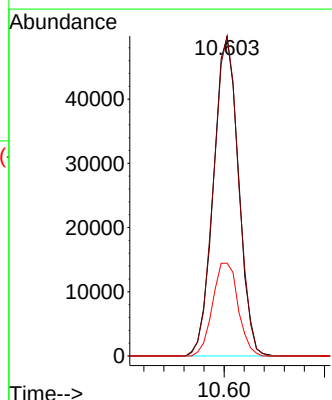
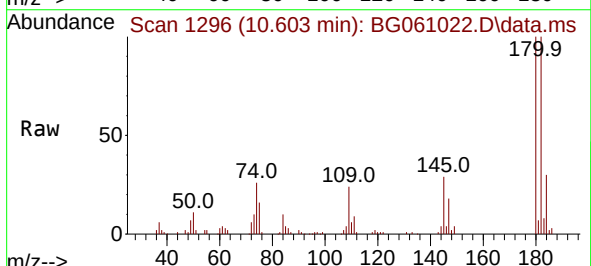
Manual Integrations
APPROVED

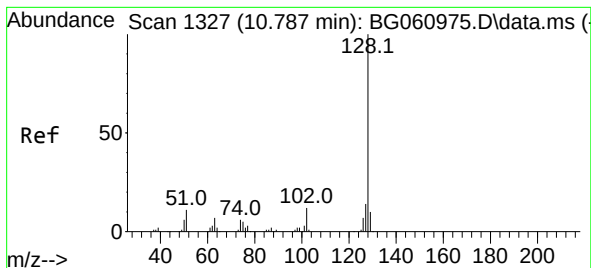
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#30
1,2,4-Trichlorobenzene
Concen: 48.275 ng
RT: 10.603 min Scan# 1296
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:180 Resp: 85977
Ion Ratio Lower Upper
180 100
182 100.4 85.4 128.2
145 29.1 22.6 33.8





#31
Naphthalene
Concen: 45.650 ng
RT: 10.791 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

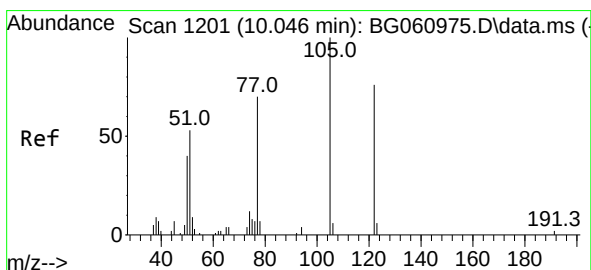
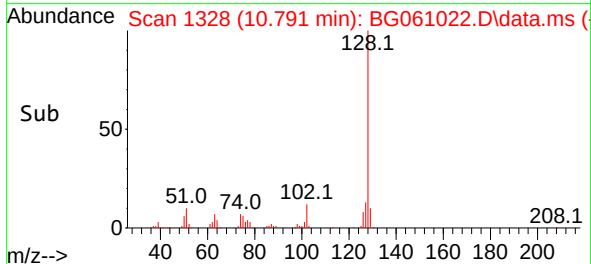
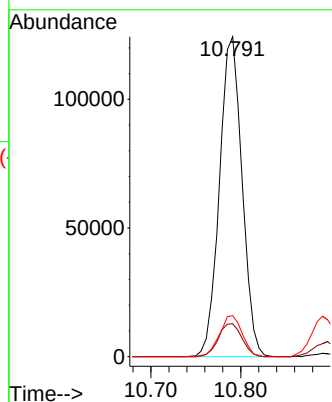
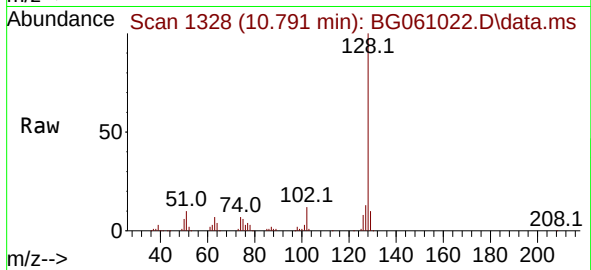
Tgt Ion:128 Resp: 21695
Ion Ratio Lower Upper
128 100
129 10.3 8.2 12.4
127 12.8 11.4 17.2

Manual Integrations

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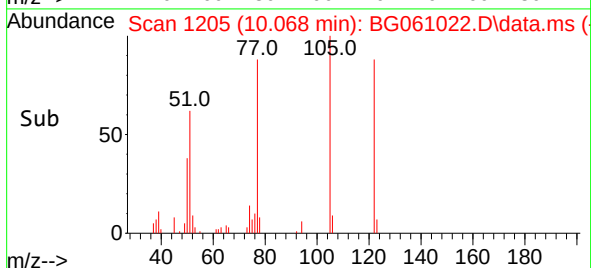
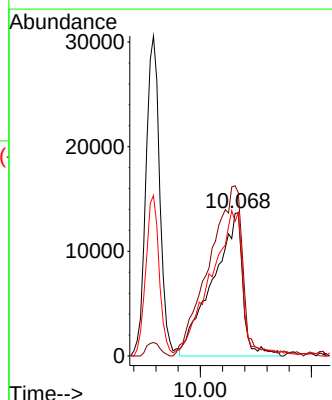
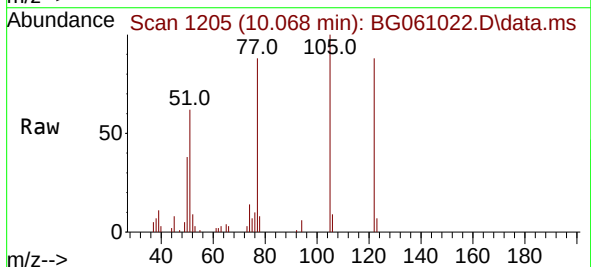
Reviewed By :Yogesh Patel 04/26/2024

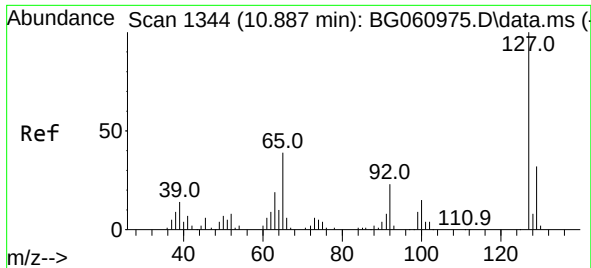
Supervised By :mohammad ahmed 04/27/2024



#32
Benzoic acid
Concen: 48.463 ng m
RT: 10.068 min Scan# 1205
Delta R.T. 0.022 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:122 Resp: 51644
Ion Ratio Lower Upper
122 100
105 114.0 106.2 146.2
77 100.0 70.1 110.1





#33
4-Chloroaniline
Concen: 13.859 ng
RT: 10.891 min Scan# 1345
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

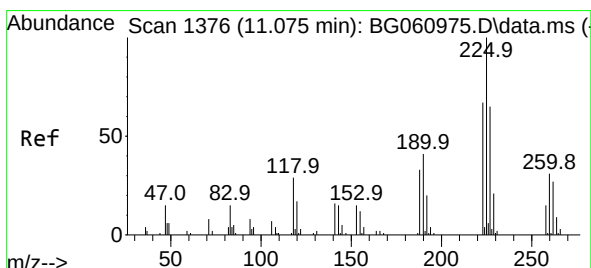
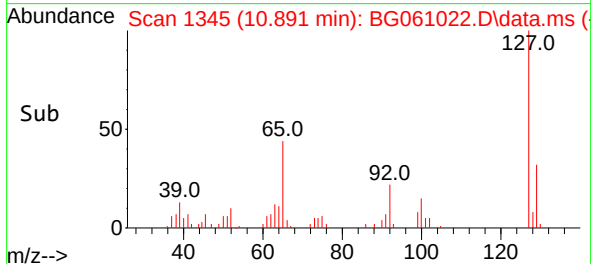
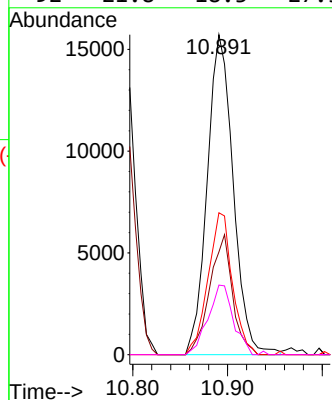
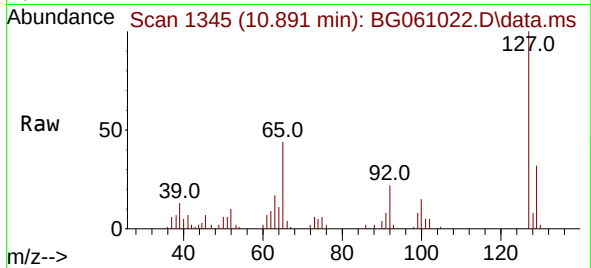
Tgt Ion:127 Resp: 29920
Ion Ratio Lower Upper
127 100
129 32.1 25.7 38.5
65 44.4 31.4 47.0
92 21.8 18.3 27.5

Manual Integrations

APPROVED

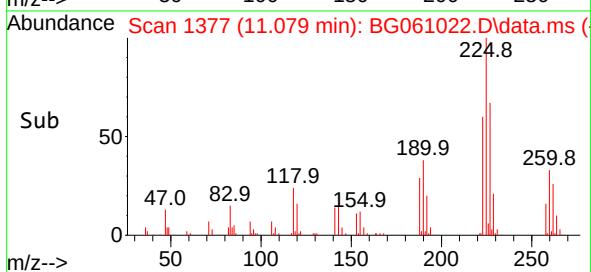
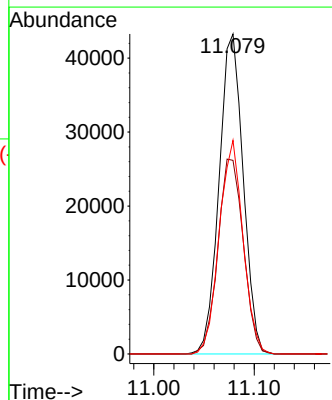
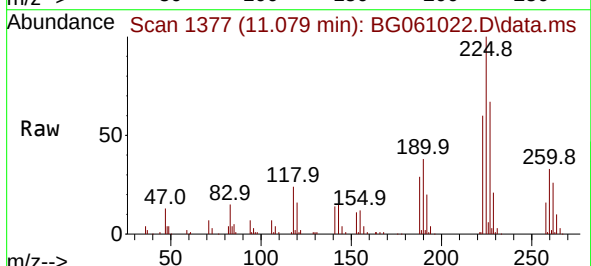
Reviewed By :Yogesh Patel 04/26/2024

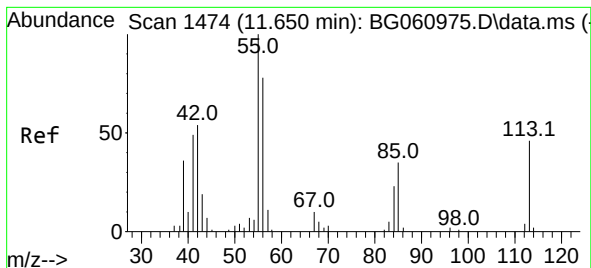
Supervised By :mohammad ahmed 04/27/2024



#34
Hexachlorobutadiene
Concen: 45.987 ng
RT: 11.079 min Scan# 1377
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:225 Resp: 72028
Ion Ratio Lower Upper
225 100
223 60.5 53.2 79.8
227 66.8 51.9 77.9





#35

Caprolactam

Concen: 48.424 ng m

RT: 11.661 min Scan# 14

Delta R.T. 0.010 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

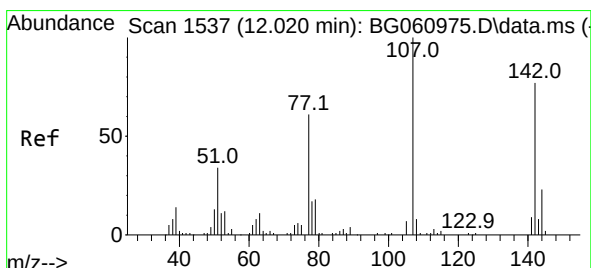
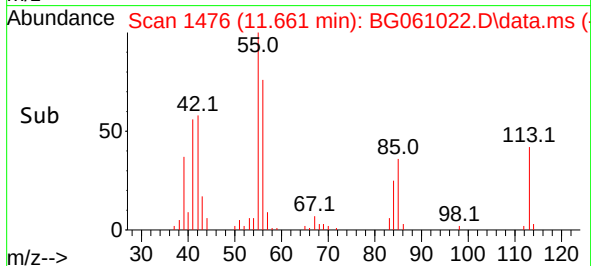
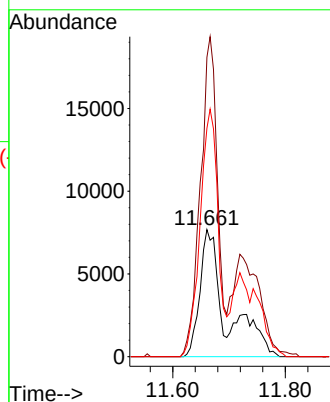
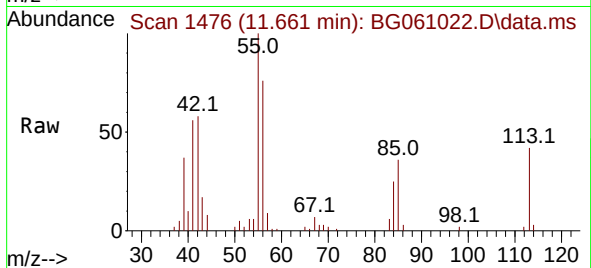
Tgt Ion:113 Resp: 2489
 Ion Ratio Lower Upper
 113 100
 55 235.6 197.9 237.9
 56 179.7 151.1 191.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#36

4-Chloro-3-methylphenol

Concen: 47.380 ng

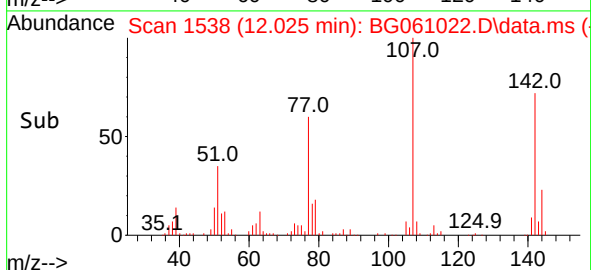
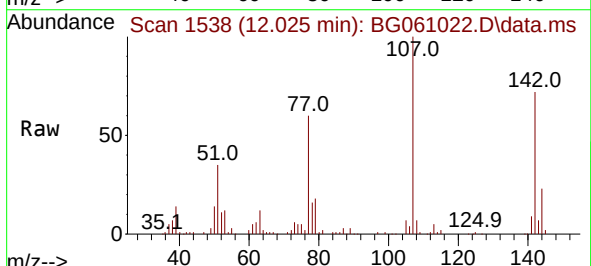
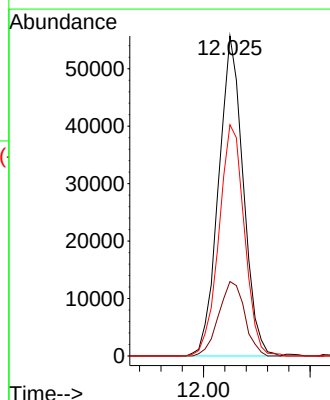
RT: 12.025 min Scan# 1538

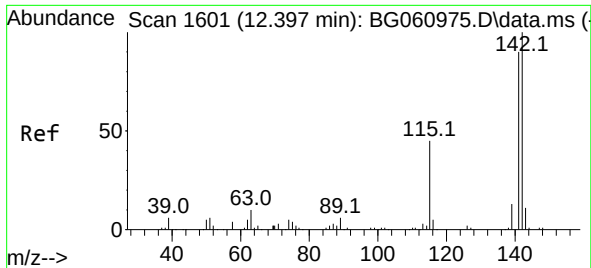
Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:107 Resp: 89197
 Ion Ratio Lower Upper
 107 100
 144 23.2 18.5 27.7
 142 72.3 61.4 92.0





#37
2-Methylnaphthalene
Concen: 43.000 ng
RT: 12.401 min Scan# 1602
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

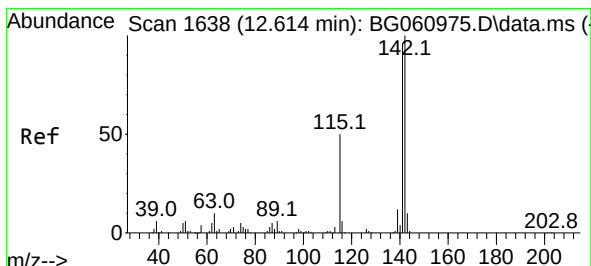
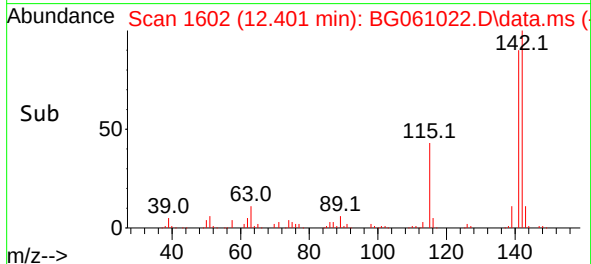
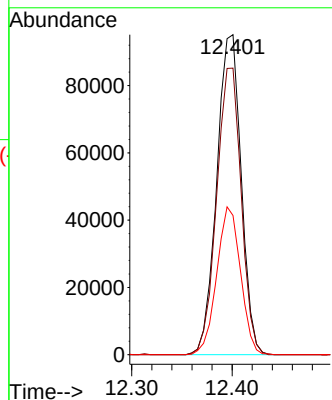
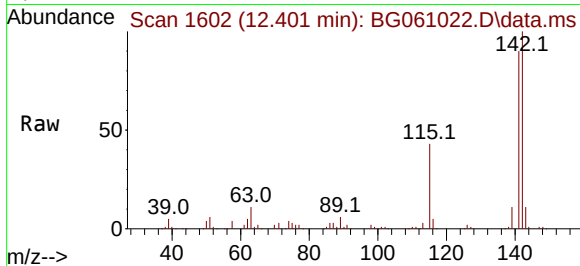
ClientSampleId :

PB160449BS

Tgt Ion:142 Resp: 16067
Ion Ratio Lower Upper
142 100
141 89.6 72.2 108.4
115 43.5 35.9 53.9

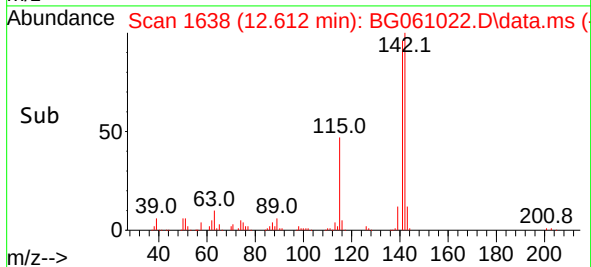
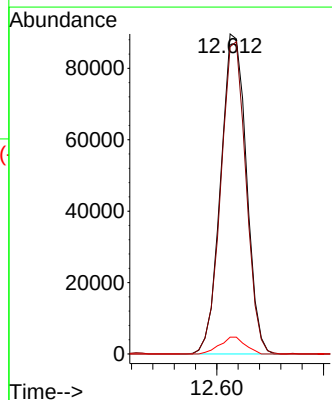
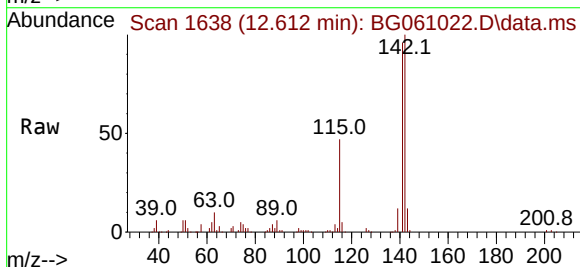
Manual Integrations
APPROVED

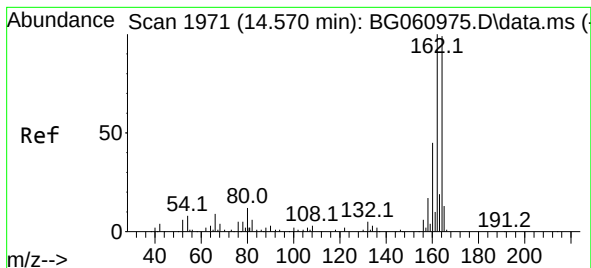
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#38
1-Methylnaphthalene
Concen: 42.971 ng
RT: 12.612 min Scan# 1638
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:142 Resp: 149837
Ion Ratio Lower Upper
142 100
141 96.0 76.8 115.2
116 5.2 4.4 6.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1971

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

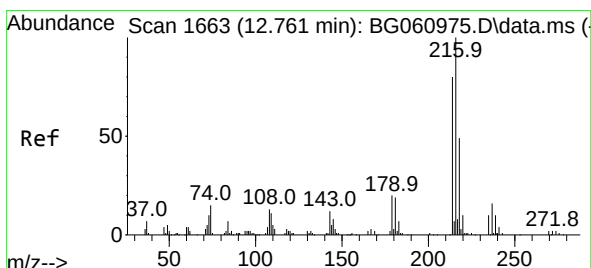
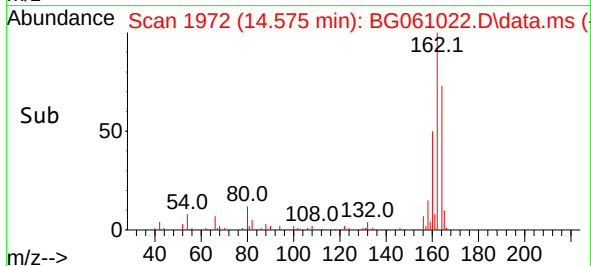
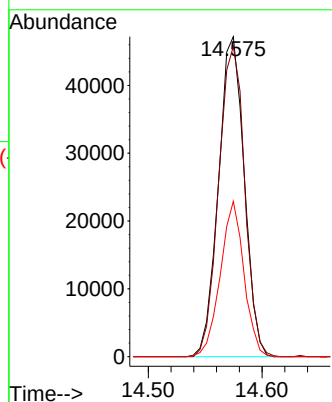
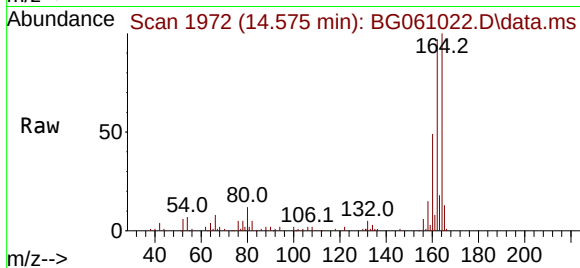
ClientSampleId :

PB160449BS

Tgt Ion:164 Resp: 74169
 Ion Ratio Lower Upper
 164 100
 162 96.9 81.2 121.8
 160 48.6 36.2 54.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.353 ng

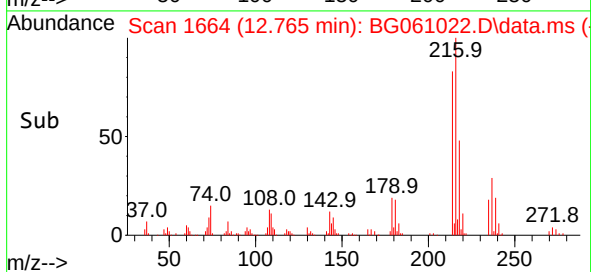
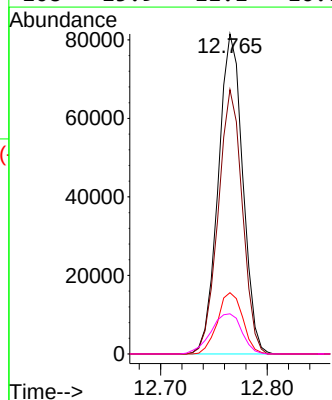
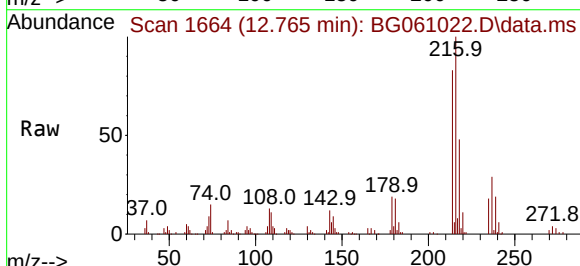
RT: 12.765 min Scan# 1664

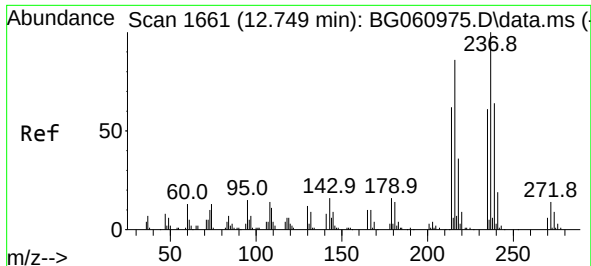
Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:216 Resp: 130083
 Ion Ratio Lower Upper
 216 100
 214 81.2 63.3 94.9
 179 19.7 15.2 22.8
 108 15.9 11.1 16.7





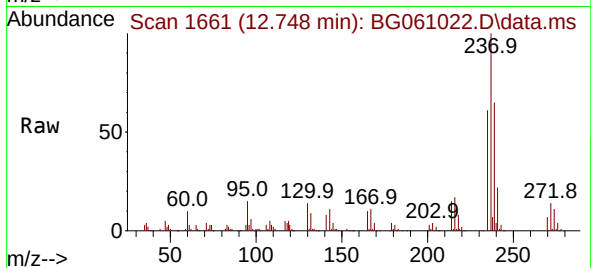
#41
Hexachlorocyclopentadiene
Concen: 108.782 ng
RT: 12.748 min Scan# 1661
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

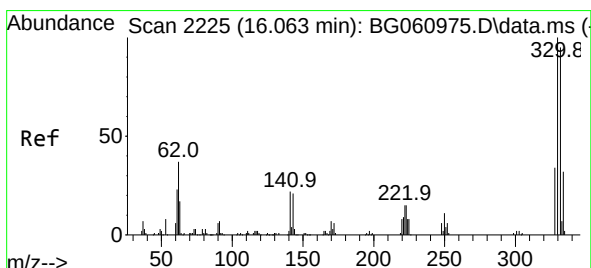
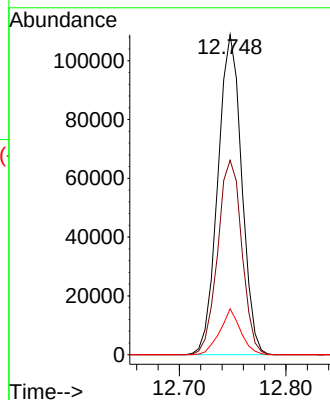
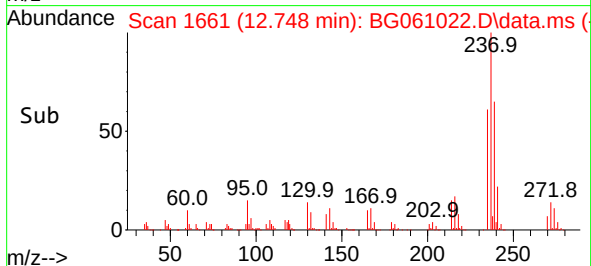


Tgt Ion:237 Resp: 168710
Ion Ratio Lower Upper
237 100
235 60.7 40.7 80.7
272 14.4 0.0 34.5

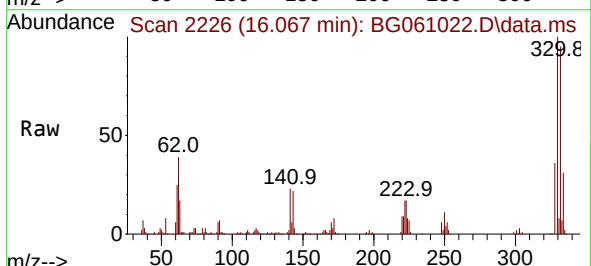
Manual Integrations

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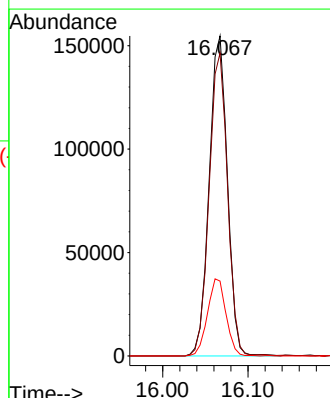
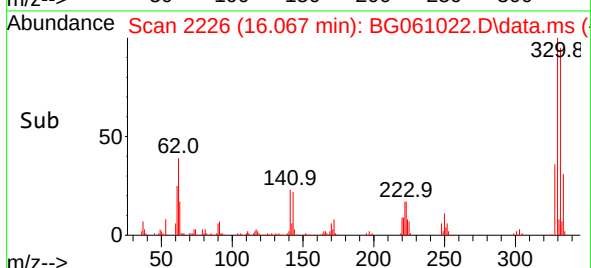
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

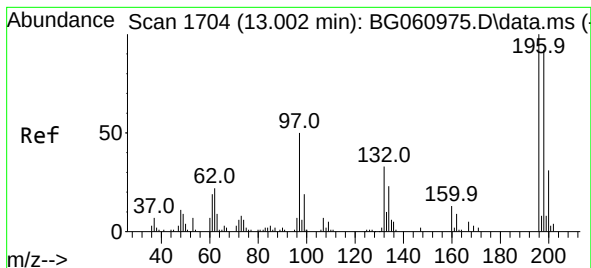


#42
2,4,6-Tribromophenol
Concen: 141.358 ng
RT: 16.067 min Scan# 2226
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:330 Resp: 230230
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 24.5 20.6 31.0





#43

2,4,6-Trichlorophenol

Concen: 50.402 ng

RT: 13.006 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

Tgt Ion:196 Resp: 87328

Ion Ratio Lower Upper

196 100

198 99.2 73.5 110.3

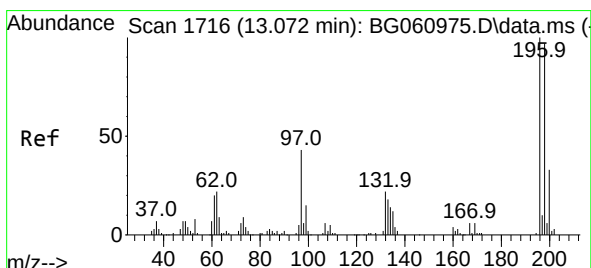
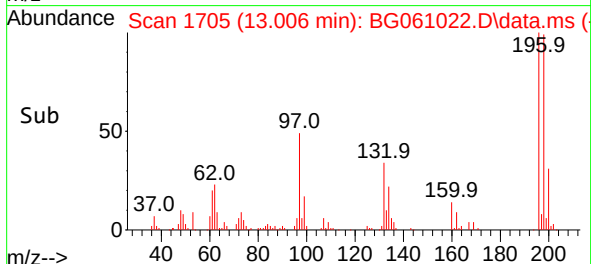
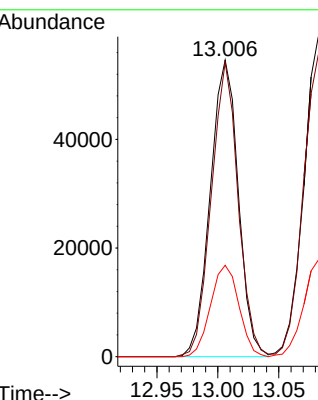
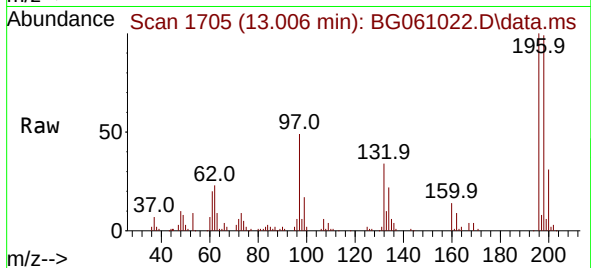
200 30.8 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#44

2,4,5-Trichlorophenol

Concen: 47.064 ng

RT: 13.082 min Scan# 1718

Delta R.T. 0.010 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:196 Resp: 96458

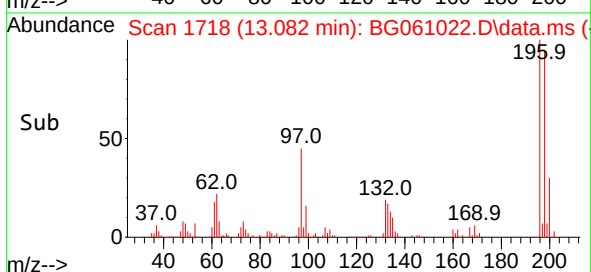
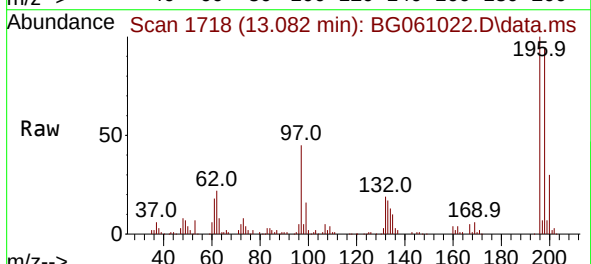
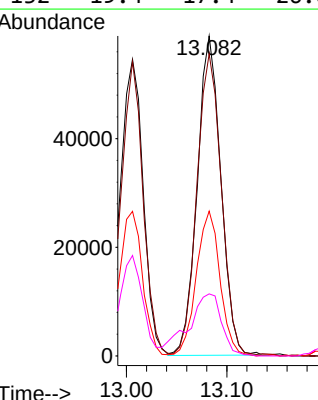
Ion Ratio Lower Upper

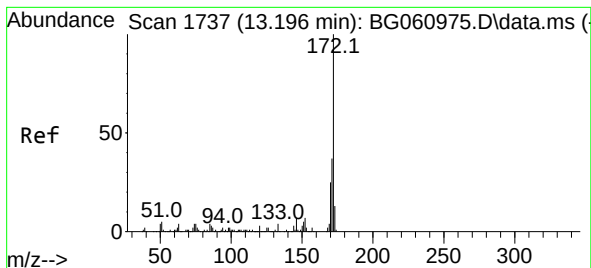
196 100

198 94.4 77.7 116.5

97 45.3 34.2 51.4

132 19.4 17.4 26.0





#45

2-Fluorobiphenyl

Concen: 87.445 ng

RT: 13.200 min Scan# 1738

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

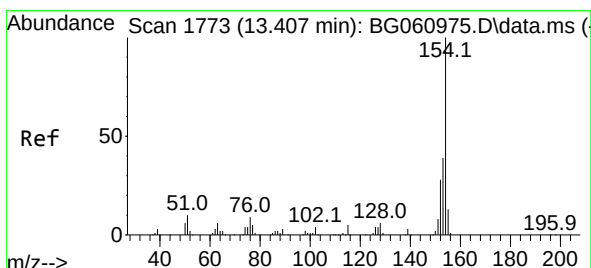
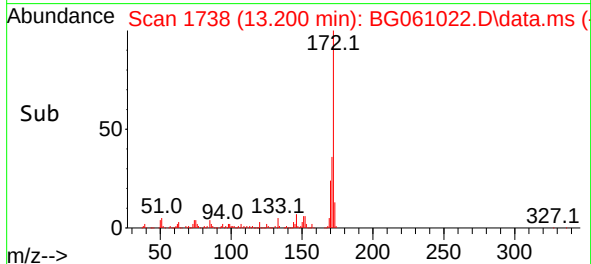
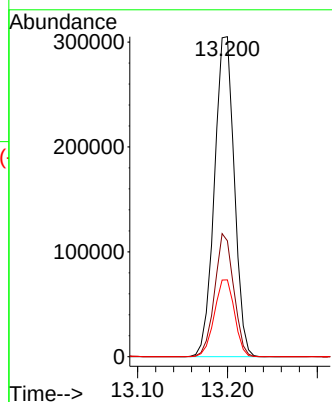
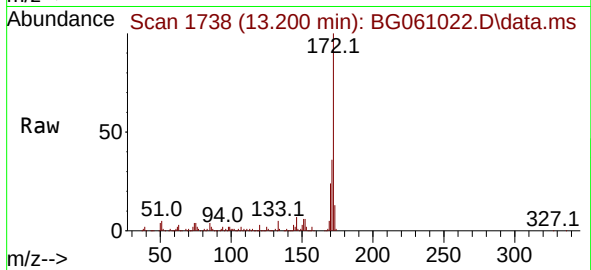
Tgt Ion:172	Resp: 468610
Ion Ratio	Lower Upper
172 100	
171 36.2	29.3 43.9
170 24.0	20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#46

1,1'-Biphenyl

Concen: 47.973 ng

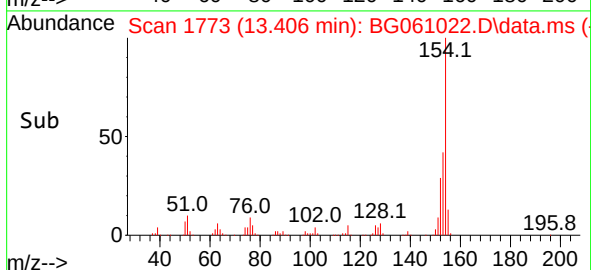
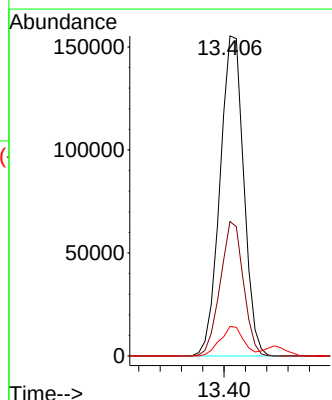
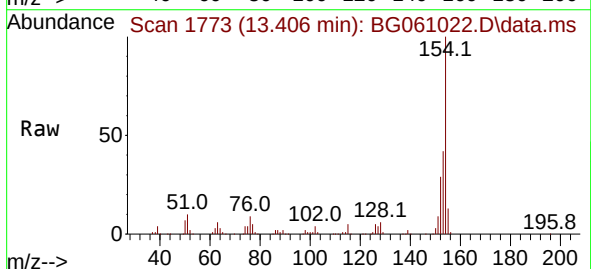
RT: 13.406 min Scan# 1773

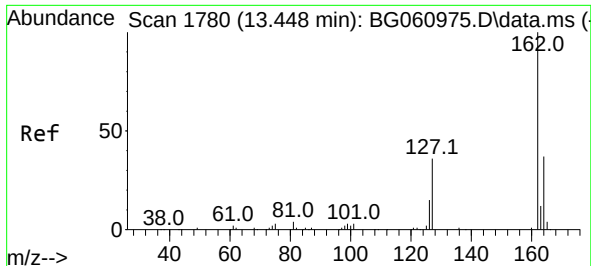
Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:154	Resp: 239668
Ion Ratio	Lower Upper
154 100	
153 42.0	19.4 59.4
76 9.2	0.0 28.6





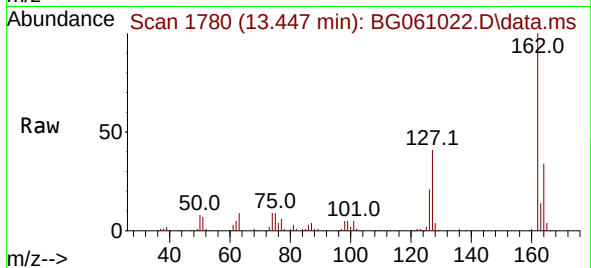
#47
2-Chloronaphthalene
Concen: 48.856 ng
RT: 13.447 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



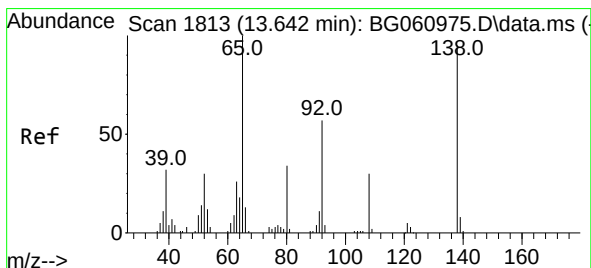
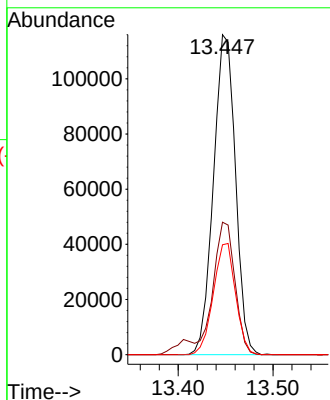
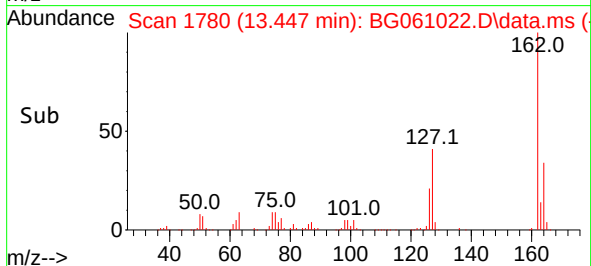
Tgt Ion:162 Resp: 187140
Ion Ratio Lower Upper
162 100
127 41.4 32.6 49.0
164 34.4 29.9 44.9

Manual Integrations

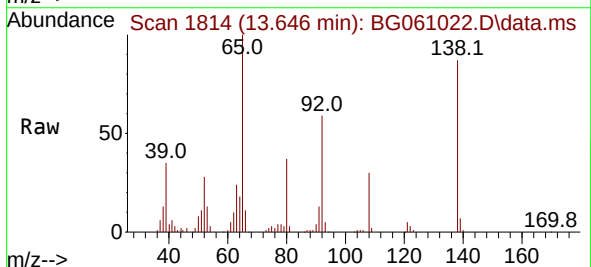
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

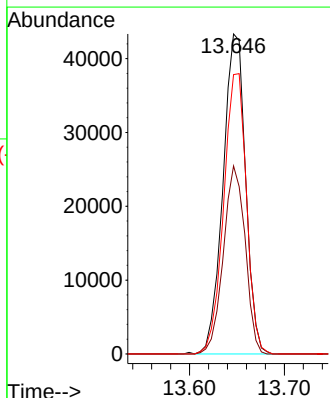
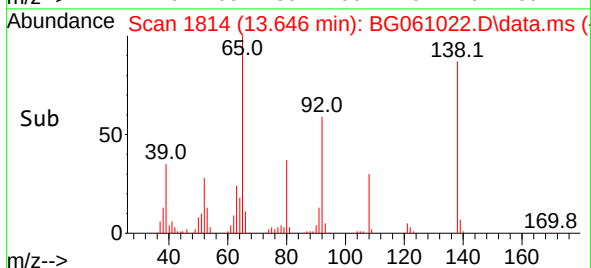
Supervised By :mohammad ahmed 04/27/2024

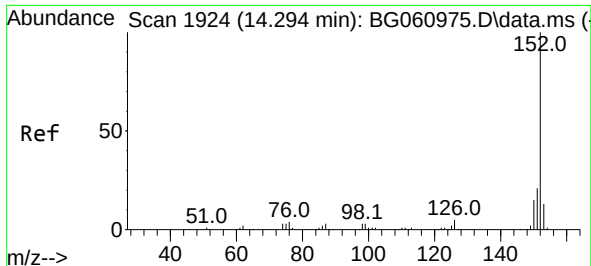


#48
2-Nitroaniline
Concen: 46.414 ng
RT: 13.646 min Scan# 1814
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion: 65 Resp: 71755
Ion Ratio Lower Upper
65 100
92 58.7 45.4 68.2
138 87.3 75.8 113.6





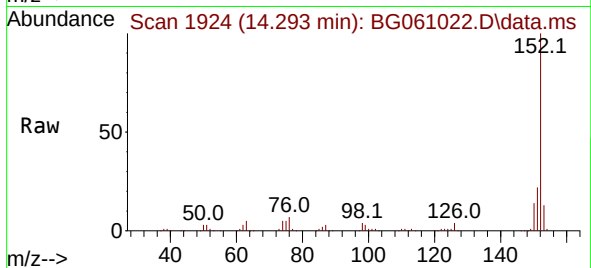
#49
Acenaphthylene
Concen: 49.608 ng
RT: 14.293 min Scan# 1924
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



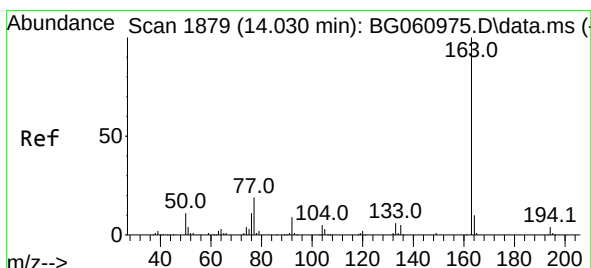
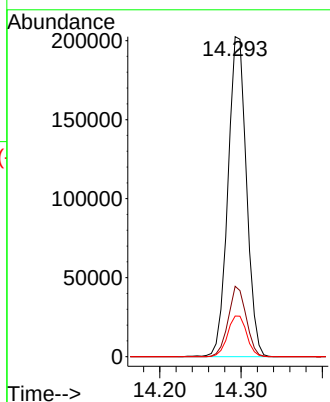
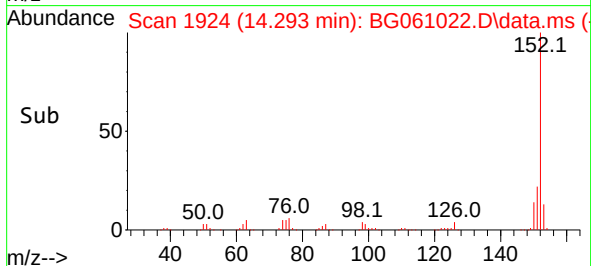
Tgt Ion:152 Resp: 320038
Ion Ratio Lower Upper
152 100
151 22.0 16.6 25.0
153 12.7 10.7 16.1

Manual Integrations

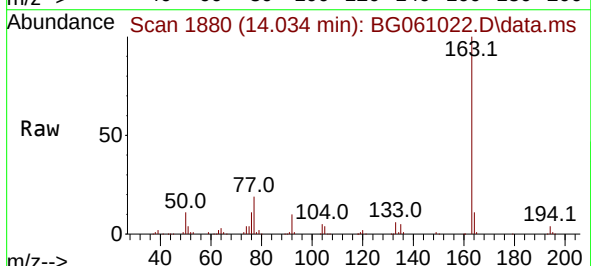
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

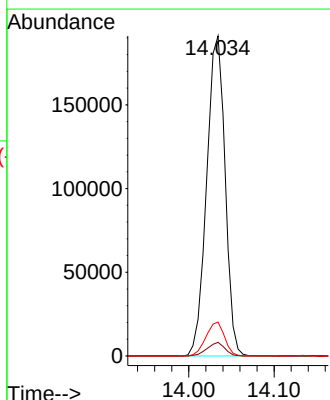
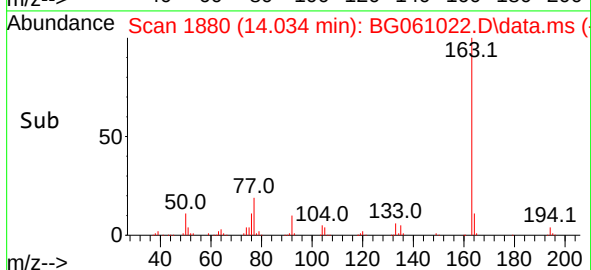
Supervised By :mohammad ahmed 04/27/2024

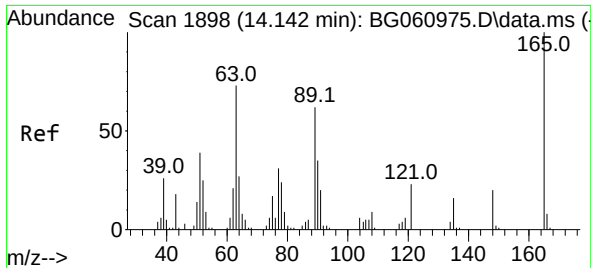


#50
Dimethylphthalate
Concen: 46.932 ng
RT: 14.034 min Scan# 1880
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:163 Resp: 287039
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.6 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 47.538 ng
RT: 14.146 min Scan# 1898
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

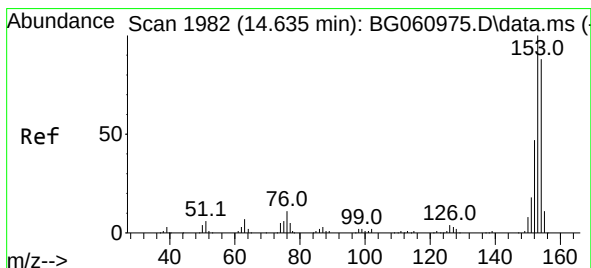
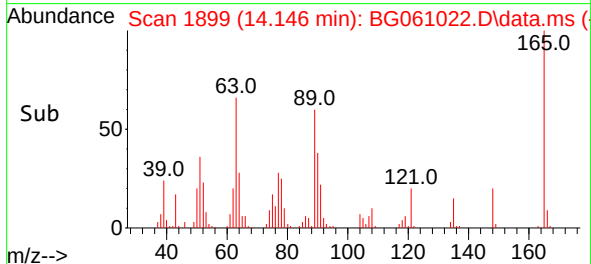
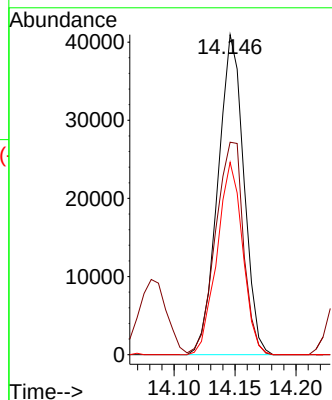
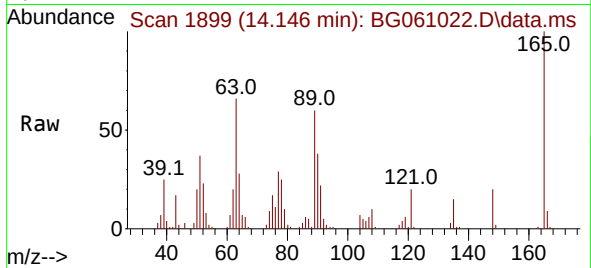
PB160449BS

Tgt Ion:165 Resp: 6066
Ion Ratio Lower Upper
165 100
63 66.4 59.6 89.4
89 60.1 49.4 74.0

Manual Integrations

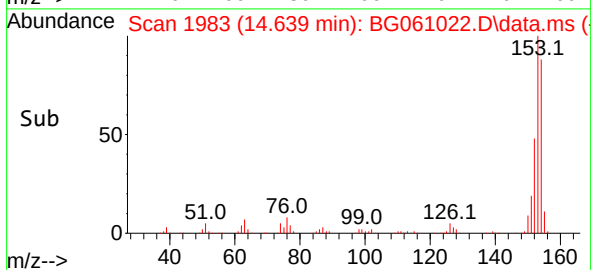
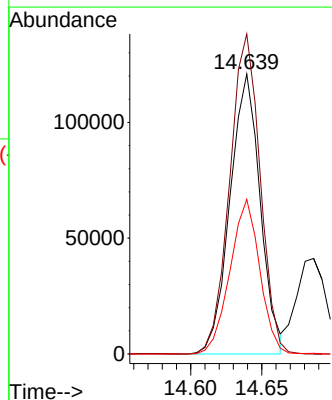
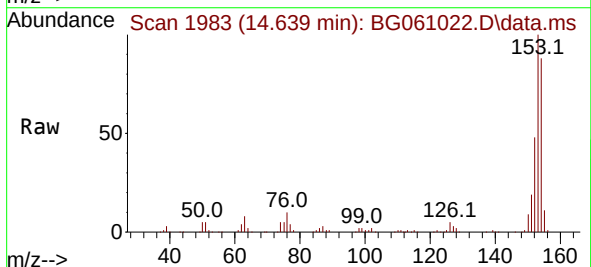
APPROVED

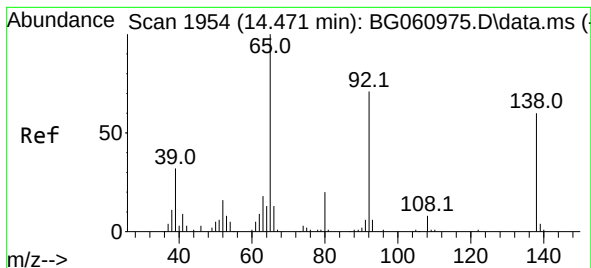
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#52
Acenaphthene
Concen: 45.648 ng
RT: 14.639 min Scan# 1983
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

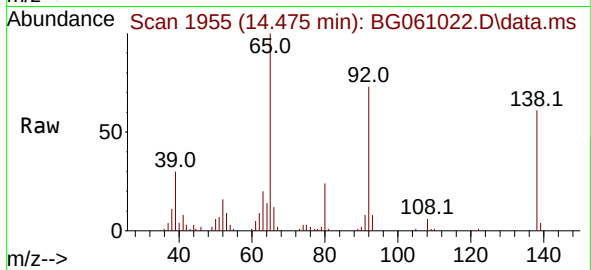
Tgt Ion:154 Resp: 178937
Ion Ratio Lower Upper
154 100
153 114.3 91.2 136.8
152 55.2 42.7 64.1





#53
3-Nitroaniline
Concen: 23.229 ng
RT: 14.475 min Scan# 1954
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

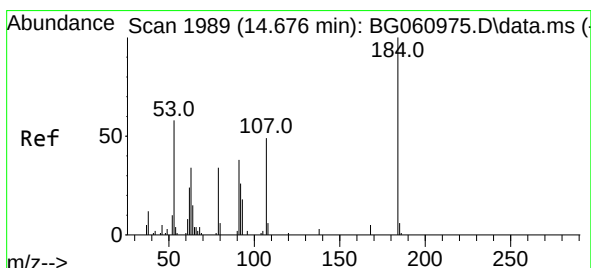
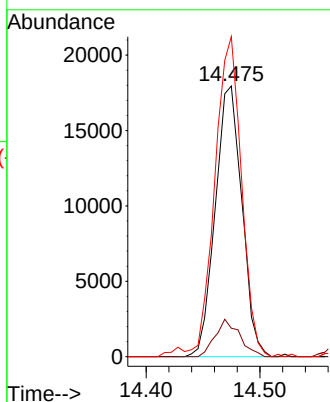
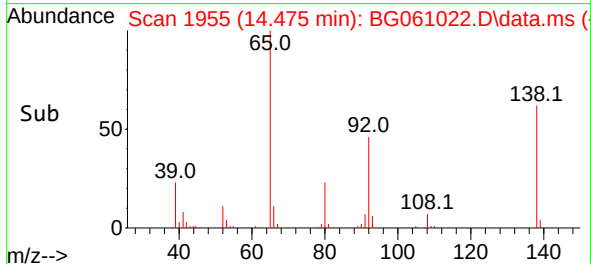
Instrument :
BNA_G
ClientSampleId :
PB160449BS



Tgt Ion:138 Resp: 29230
Ion Ratio Lower Upper
138 100
108 10.5 10.1 15.1
92 118.2 94.6 141.8

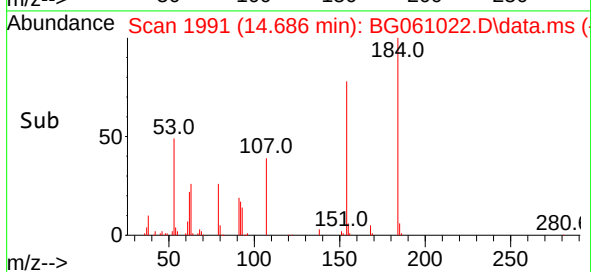
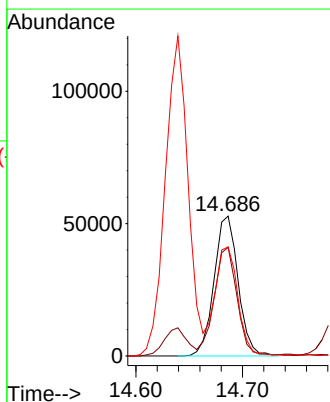
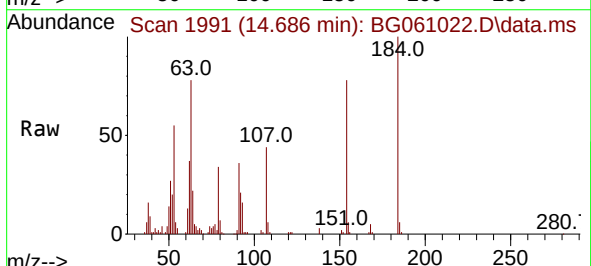
Manual Integrations
APPROVED

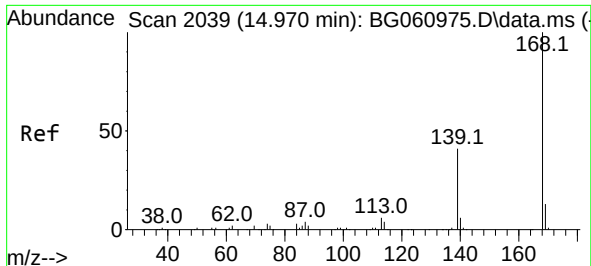
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#54
2,4-Dinitrophenol
Concen: 98.198 ng
RT: 14.686 min Scan# 1991
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:184 Resp: 82772
Ion Ratio Lower Upper
184 100
63 77.7 59.0 88.6
154 78.0 61.2 91.8





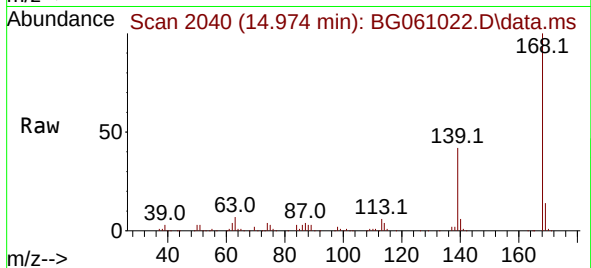
#55
Dibenzofuran
Concen: 46.520 ng
RT: 14.974 min Scan# 2039
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



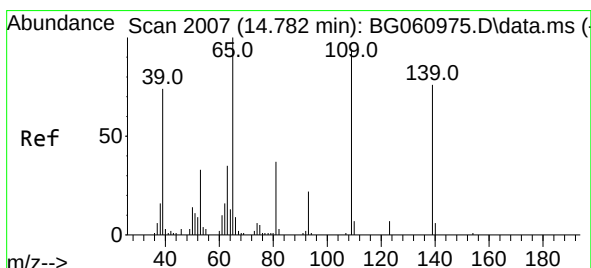
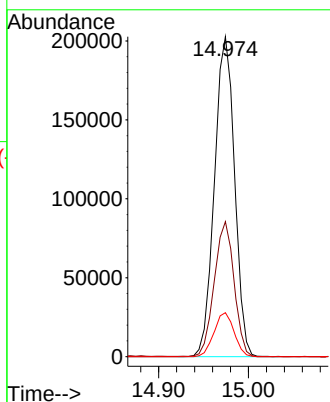
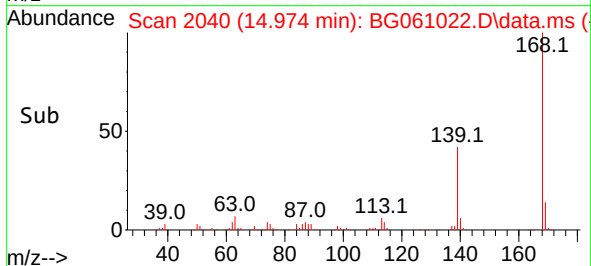
Tgt Ion:168 Resp: 31489
Ion Ratio Lower Upper
168 100
139 42.2 32.4 48.6
169 13.8 10.6 15.8

Manual Integrations

APPROVED

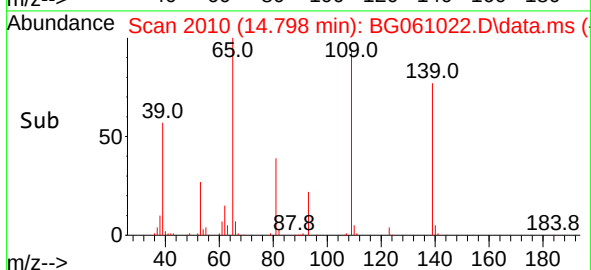
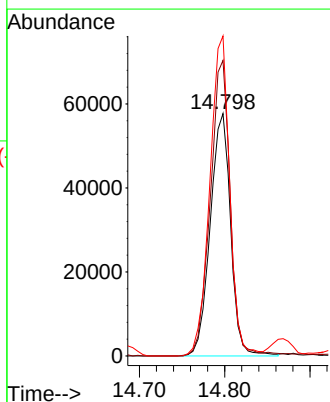
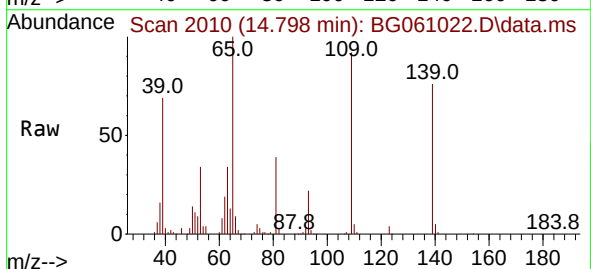
Reviewed By :Yogesh Patel 04/26/2024

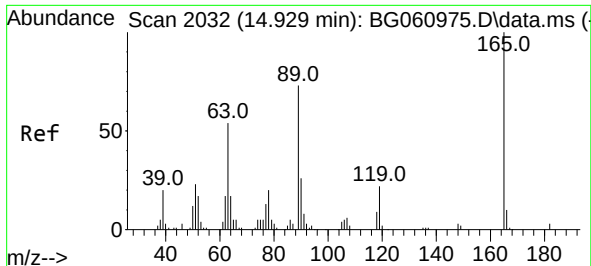
Supervised By :mohammad ahmed 04/27/2024



#56
4-Nitrophenol
Concen: 106.283 ng
RT: 14.798 min Scan# 2010
Delta R.T. 0.016 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:139 Resp: 95815
Ion Ratio Lower Upper
139 100
109 121.9 104.1 144.1
65 132.0 112.0 152.0





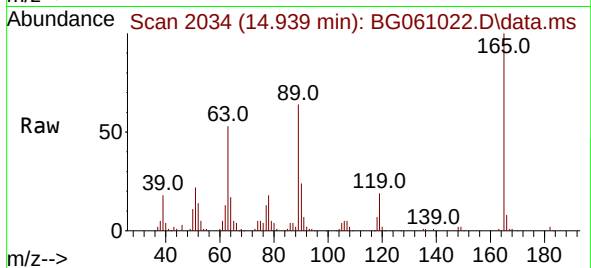
#57
2,4-Dinitrotoluene
Concen: 49.379 ng
RT: 14.939 min Scan# 2032
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

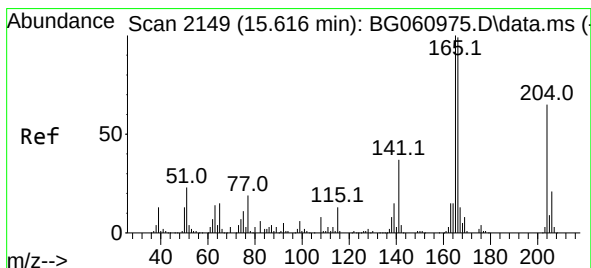
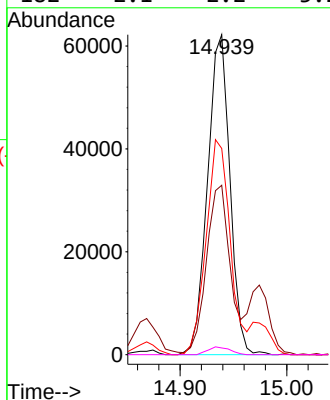
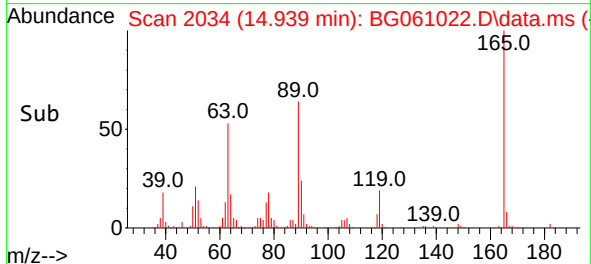


Tgt Ion:165 Resp: 90750
Ion Ratio Lower Upper
165 100
63 53.0 43.4 65.2
89 64.5 58.4 87.6
182 2.1 2.2 3.2#

Manual Integrations

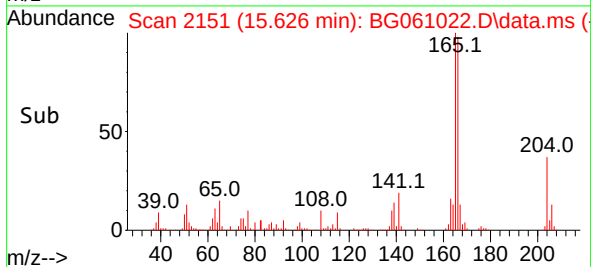
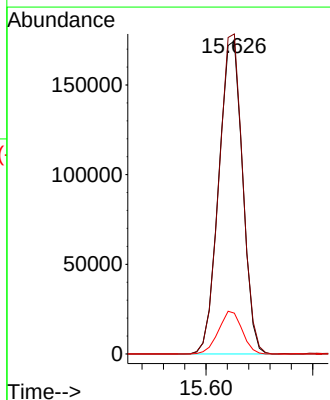
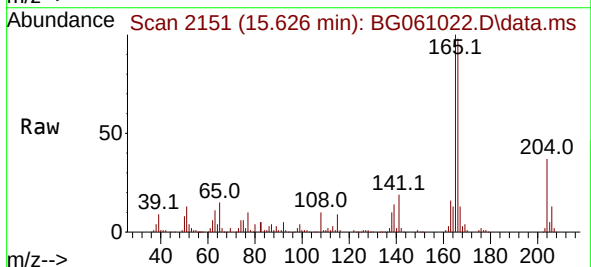
APPROVED

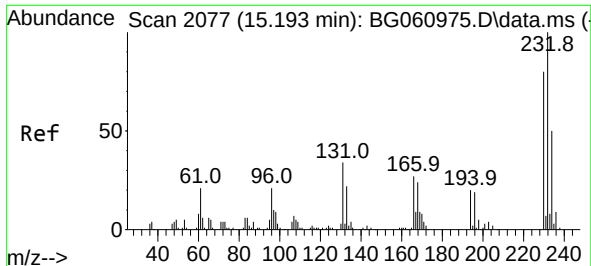
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#58
Fluorene
Concen: 47.509 ng
RT: 15.626 min Scan# 2151
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

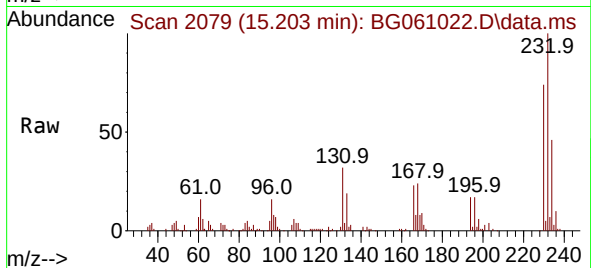
Tgt Ion:166 Resp: 271438
Ion Ratio Lower Upper
166 100
165 102.2 80.9 121.3
167 13.0 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.519 ng
RT: 15.203 min Scan# 2077
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

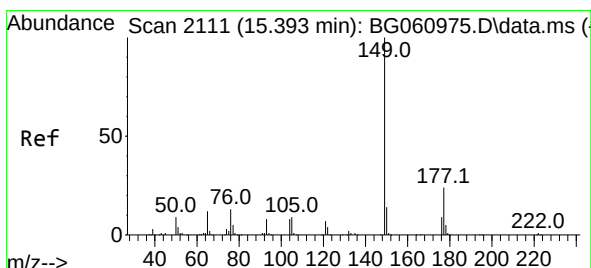
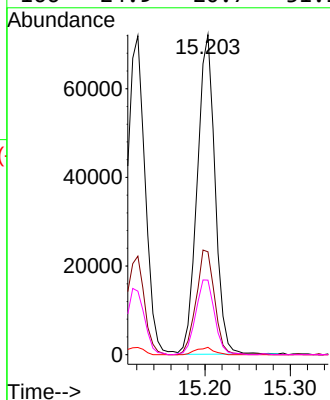
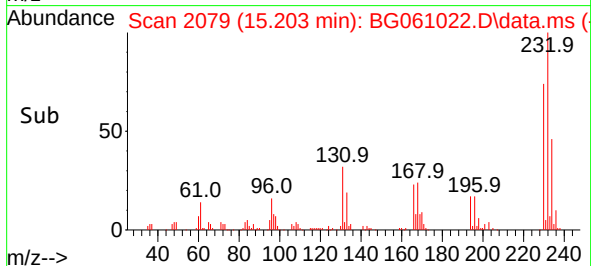
Instrument :
BNA_G
ClientSampleId :
PB160449BS



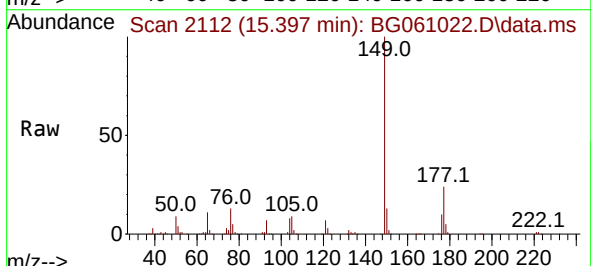
Tgt Ion:232 Resp: 10450
Ion Ratio Lower Upper
232 100
131 33.9 27.4 41.0
130 2.3 1.5 2.3
166 24.9 20.7 31.1

Manual Integrations
APPROVED

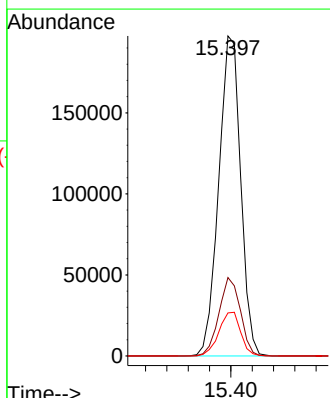
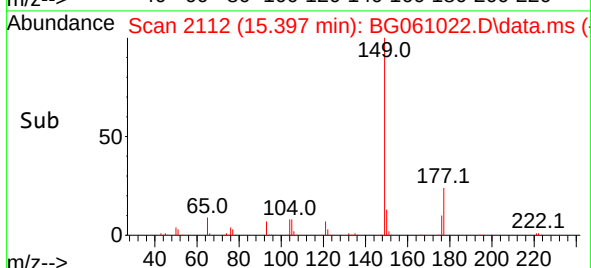
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

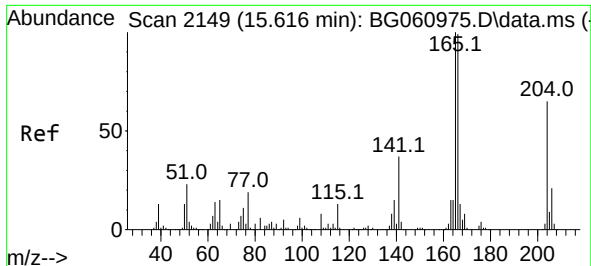


#60
Diethylphthalate
Concen: 46.748 ng
RT: 15.397 min Scan# 2112
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:149 Resp: 281571
Ion Ratio Lower Upper
149 100
177 24.5 18.8 28.2
150 13.5 11.2 16.8





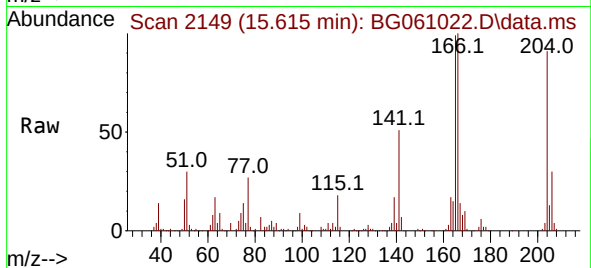
#61
4-Chlorophenyl-phenylether
Concen: 45.561 ng
RT: 15.615 min Scan# 2149
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

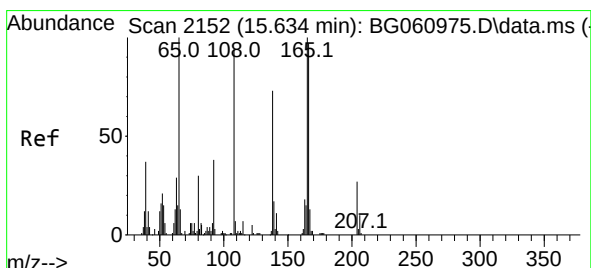
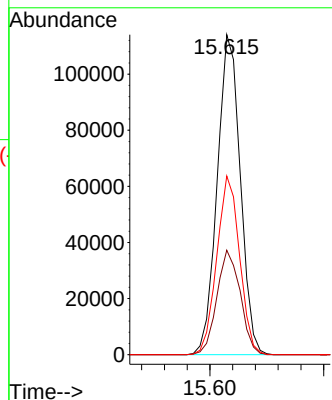
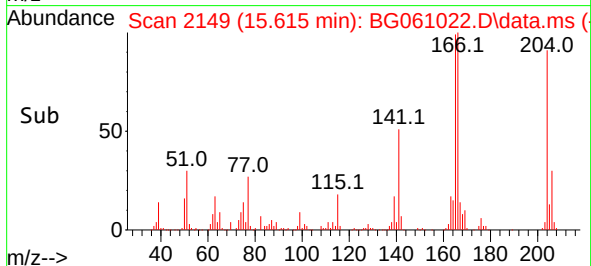


Tgt Ion:204 Resp: 160544
Ion Ratio Lower Upper
204 100
206 32.6 25.6 38.4
141 55.8 45.4 68.0

Manual Integrations

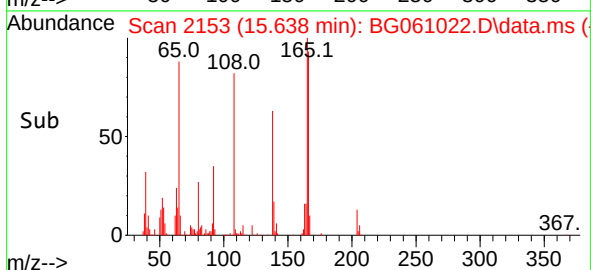
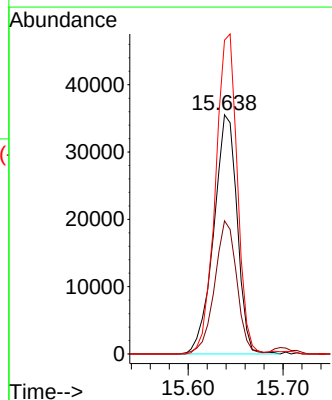
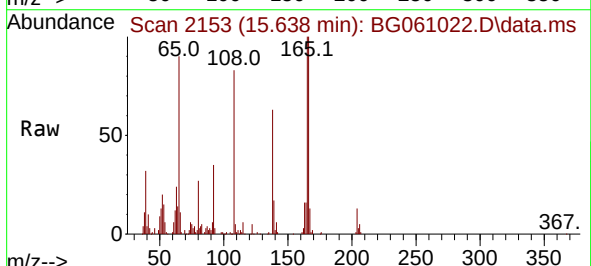
APPROVED

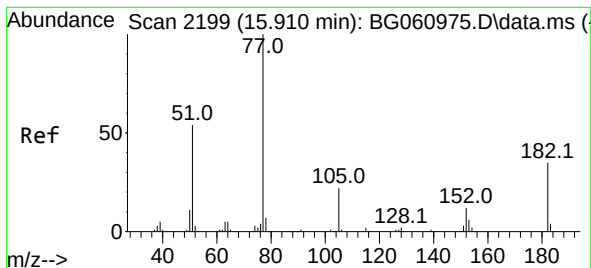
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#62
4-Nitroaniline
Concen: 44.950 ng
RT: 15.638 min Scan# 2153
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:138 Resp: 60991
Ion Ratio Lower Upper
138 100
92 55.6 32.2 72.2
108 131.2 109.0 149.0





#63

Azobenzene

Concen: 46.503 ng

RT: 15.909 min Scan# 2199

Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

Tgt Ion: 77 Resp: 22782

Ion Ratio Lower Upper

77 100

182 31.8 14.5 54.5

105 19.9 1.9 41.9

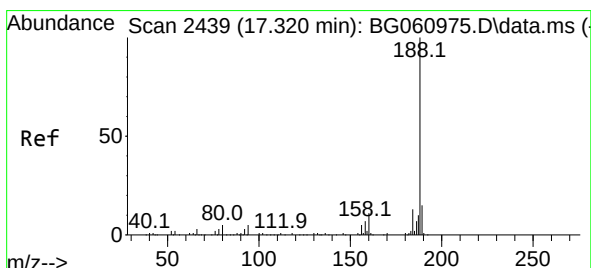
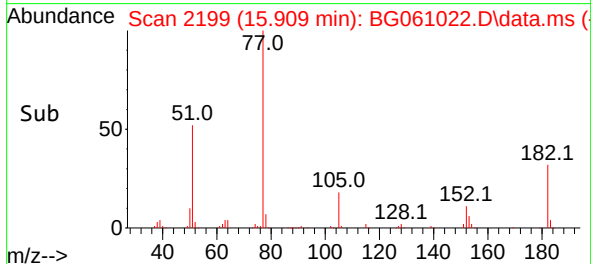
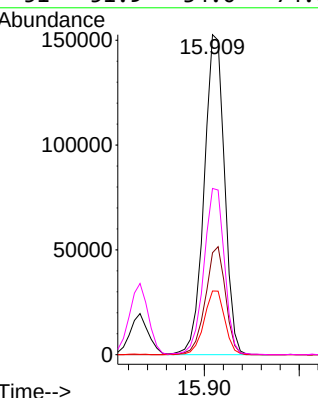
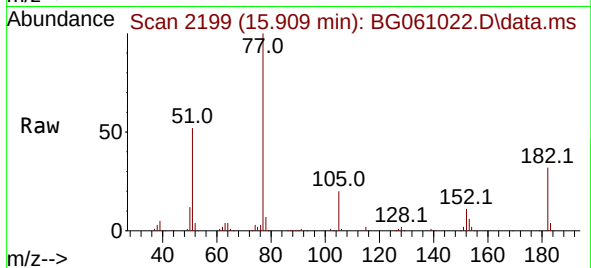
51 51.9 34.0 74.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.319 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

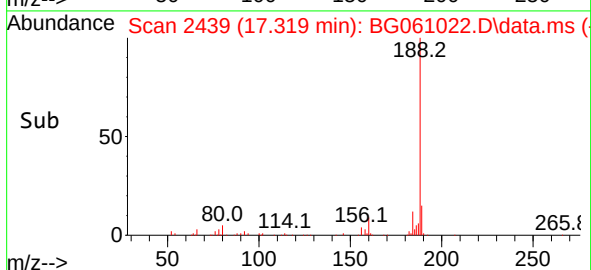
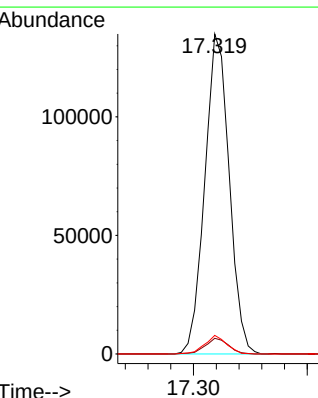
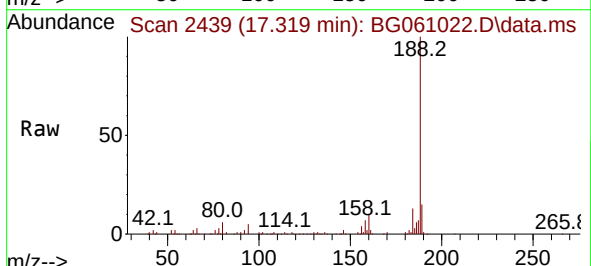
Tgt Ion:188 Resp: 200893

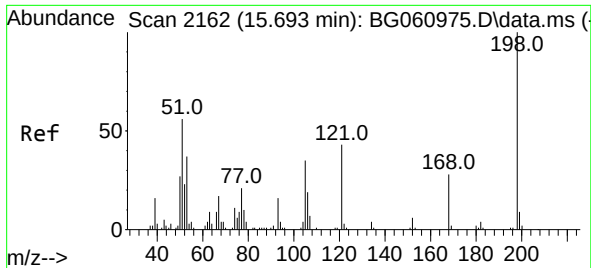
Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

80 5.8 4.0 6.0





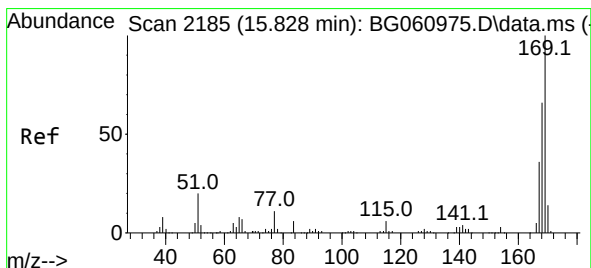
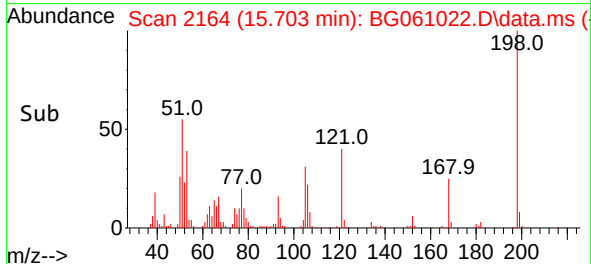
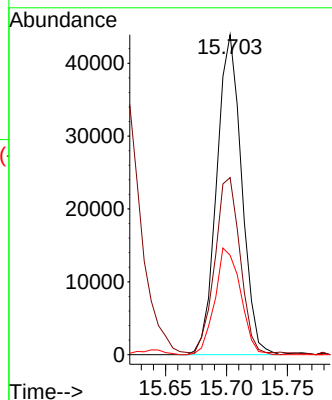
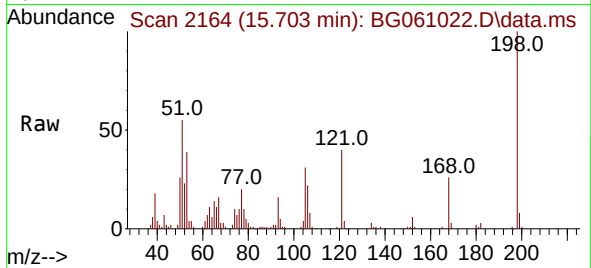
#65
4,6-Dinitro-2-methylphenol
Concen: 50.404 ng
RT: 15.703 min Scan# 2164
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :
BNA_G
ClientSampleId :
PB160449BS

Tgt Ion:198 Resp: 6252
Ion Ratio Lower Upper
198 100
51 55.4 38.6 78.6
105 31.1 14.5 54.5

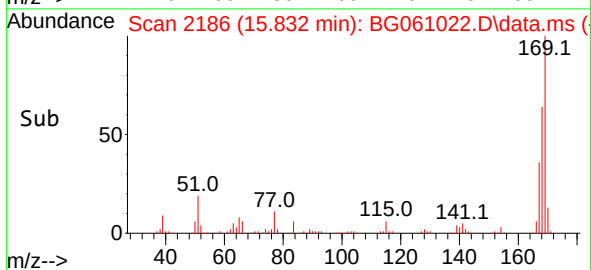
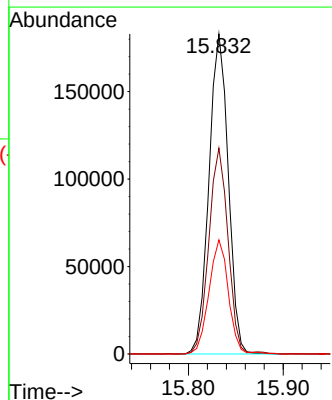
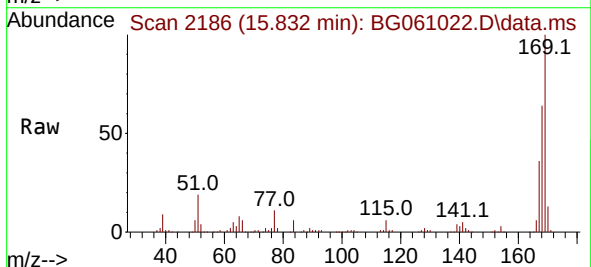
Manual Integrations
APPROVED

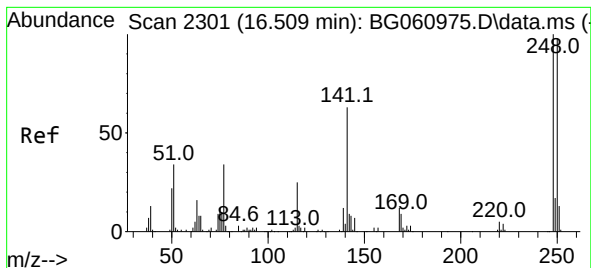
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#66
n-Nitrosodiphenylamine
Concen: 46.713 ng
RT: 15.832 min Scan# 2186
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:169 Resp: 258545
Ion Ratio Lower Upper
169 100
168 64.3 52.5 78.7
167 35.7 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 45.969 ng
RT: 16.514 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

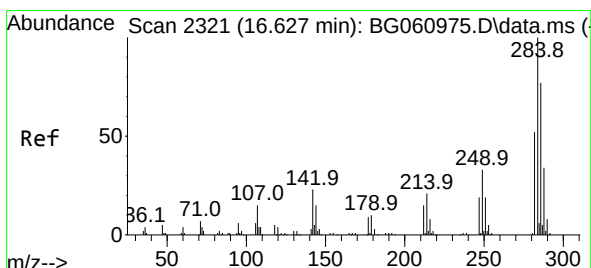
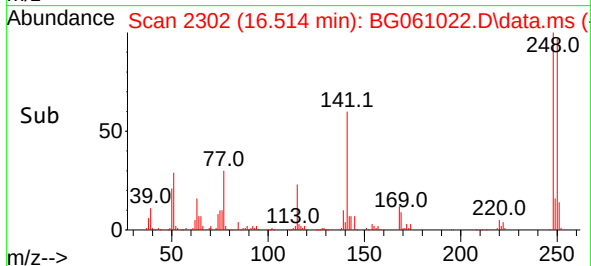
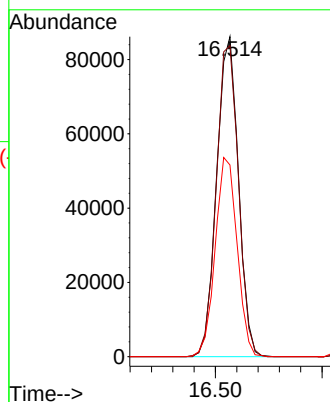
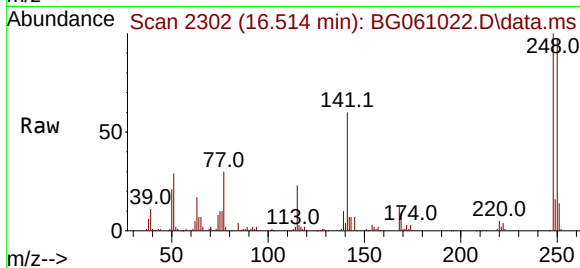
Tgt Ion:248 Resp: 121870
Ion Ratio Lower Upper
248 100
250 97.2 78.7 118.1
141 59.9 50.4 75.6

Manual Integrations

APPROVED

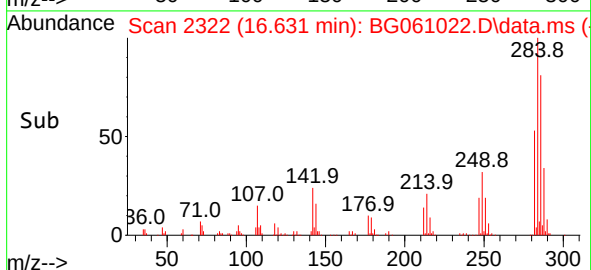
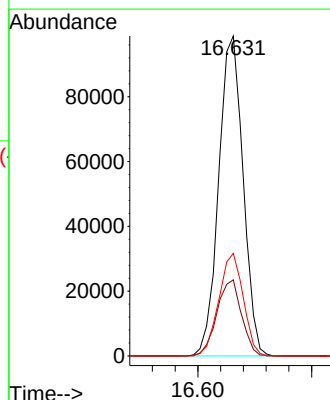
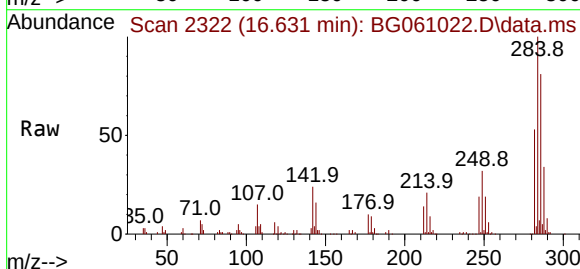
Reviewed By :Yogesh Patel 04/26/2024

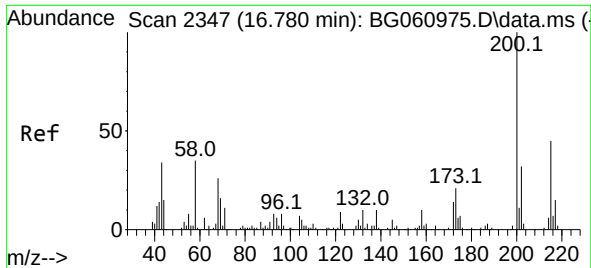
Supervised By :mohammad ahmed 04/27/2024



#68
Hexachlorobenzene
Concen: 50.214 ng
RT: 16.631 min Scan# 2322
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:284 Resp: 147053
Ion Ratio Lower Upper
284 100
142 23.8 18.7 28.1
249 32.0 26.4 39.6





#69
 Atrazine
 Concen: 54.137 ng
 RT: 16.784 min Scan# 211
 Delta R.T. 0.004 min
 Lab File: BG061022.D
 Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

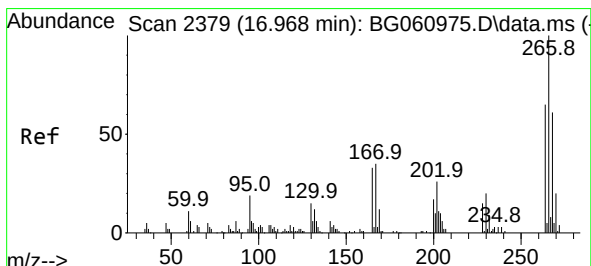
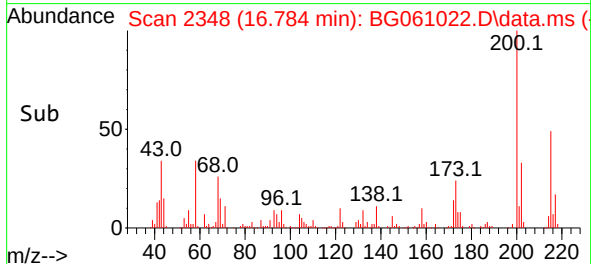
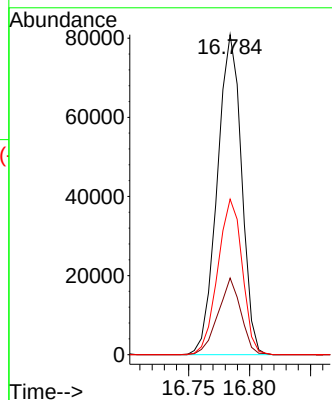
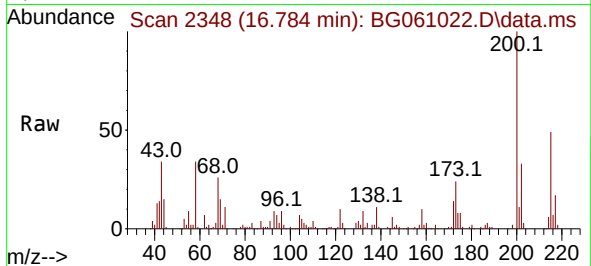
PB160449BS

Tgt Ion:200 Resp: 11214
 Ion Ratio Lower Upper
 200 100
 173 23.9 1.4 41.4
 215 48.6 25.3 65.3

Manual Integrations

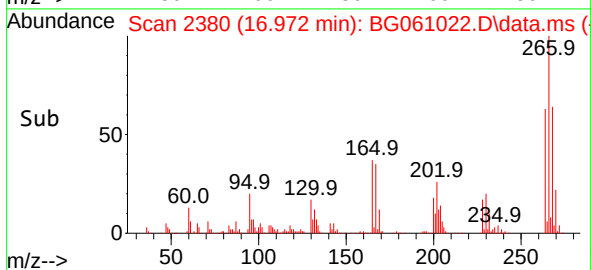
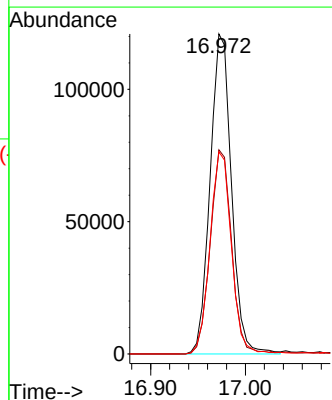
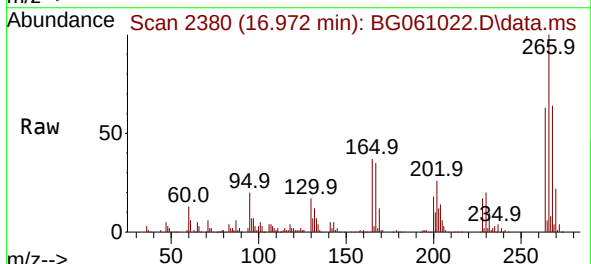
APPROVED

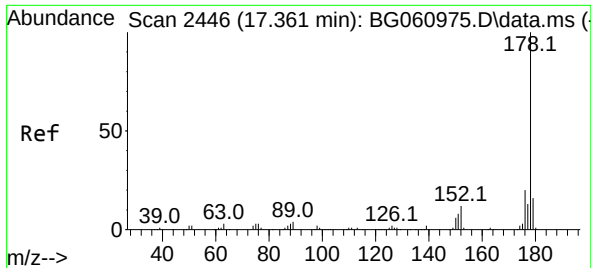
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#70
 Pentachlorophenol
 Concen: 98.363 ng
 RT: 16.972 min Scan# 2380
 Delta R.T. 0.004 min
 Lab File: BG061022.D
 Acq: 24 Apr 2024 12:25

Tgt Ion:266 Resp: 188889
 Ion Ratio Lower Upper
 266 100
 268 63.8 49.1 73.7
 264 63.1 52.2 78.2





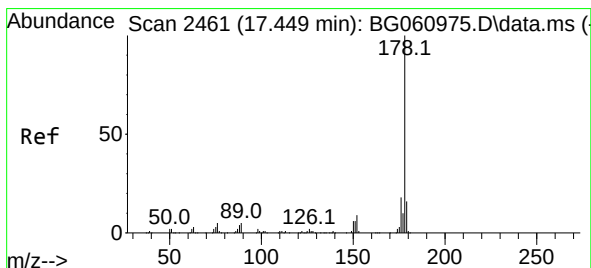
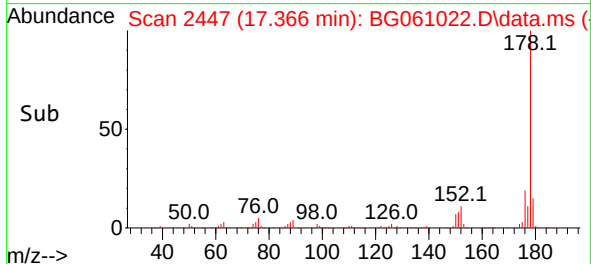
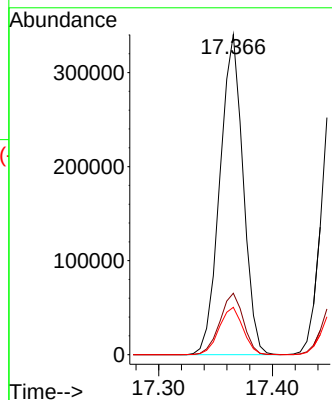
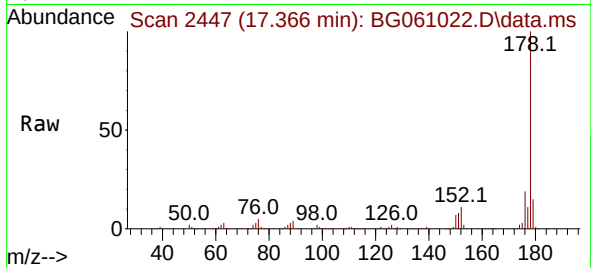
#71
Phenanthrene
Concen: 47.050 ng
RT: 17.366 min Scan# 2446
Delta R.T. 0.005 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :
BNA_G
ClientSampleId :
PB160449BS

Tgt Ion:178 Resp: 482450
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 14.8 12.5 18.7

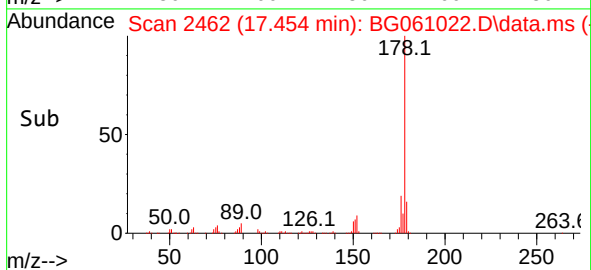
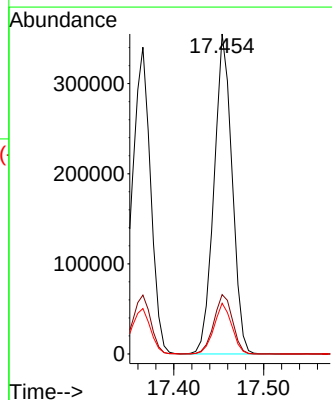
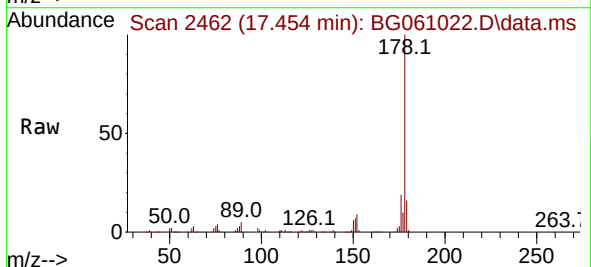
Manual Integrations
APPROVED

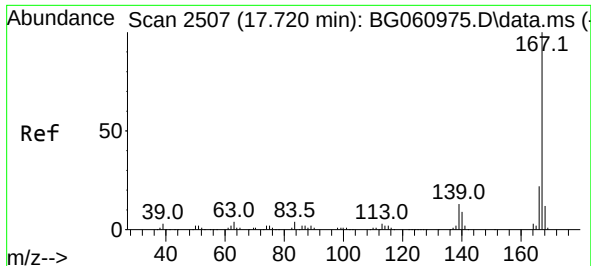
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#72
Anthracene
Concen: 47.013 ng
RT: 17.454 min Scan# 2462
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:178 Resp: 496505
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.8 12.4 18.6





#73
Carbazole
Concen: 47.625 ng
RT: 17.724 min Scan# 2507
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

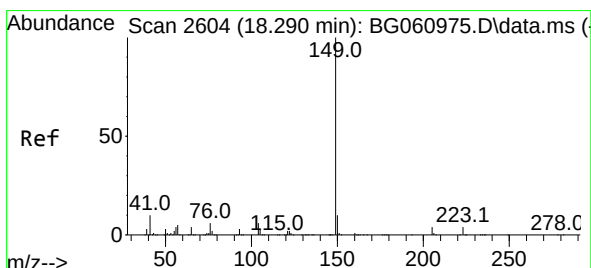
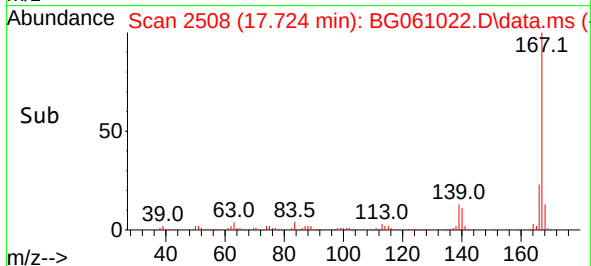
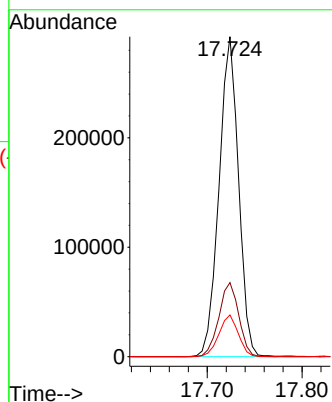
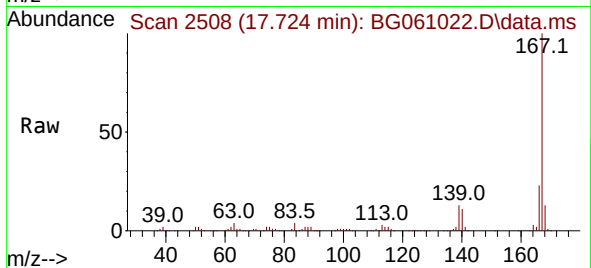
PB160449BS

Tgt Ion:167 Resp: 417719
Ion Ratio Lower Upper
167 100
166 23.2 17.8 26.8
139 13.1 10.2 15.2

Manual Integrations

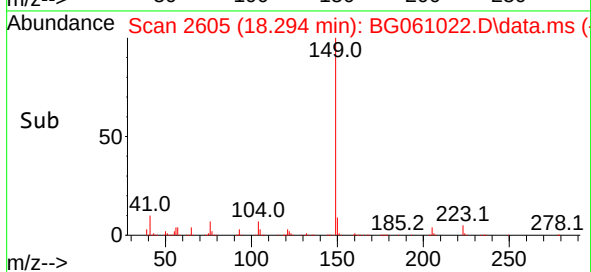
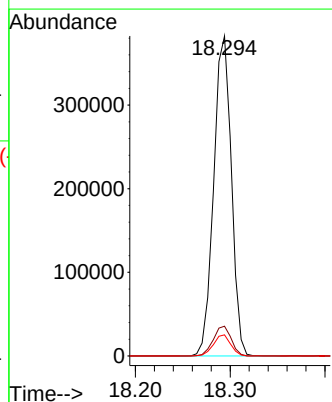
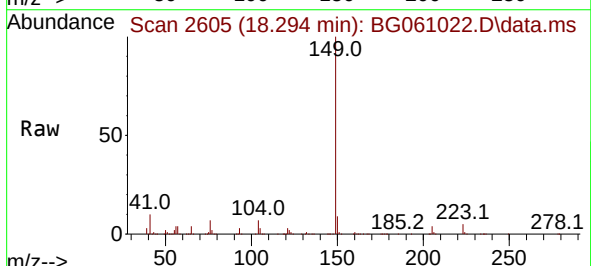
APPROVED

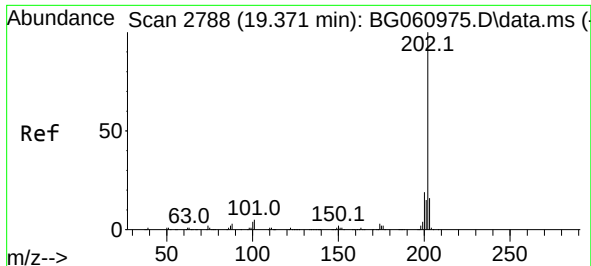
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#74
Di-n-butylphthalate
Concen: 46.399 ng
RT: 18.294 min Scan# 2605
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

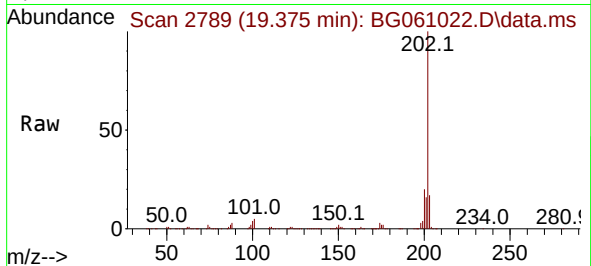
Tgt Ion:149 Resp: 494089
Ion Ratio Lower Upper
149 100
150 9.3 7.7 11.5
104 6.6 5.0 7.6





#75
Fluoranthene
Concen: 47.038 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

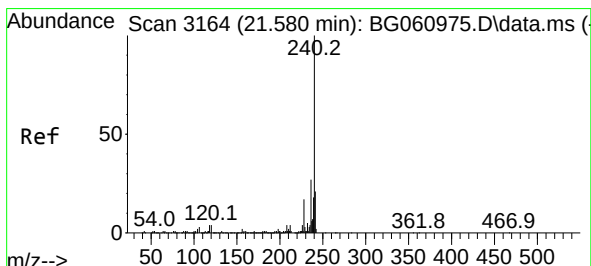
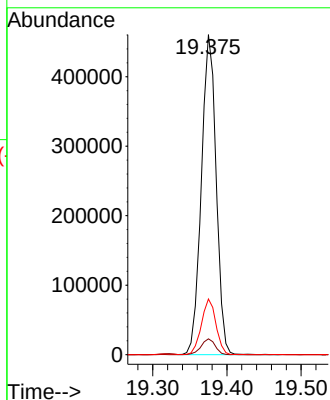
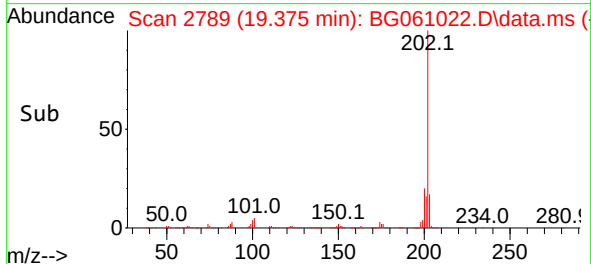
Instrument :
BNA_G
ClientSampleId :
PB160449BS



Tgt Ion:202 Resp: 64012
Ion Ratio Lower Upper
202 100
101 5.0 0.0 24.9
203 17.4 0.0 36.2

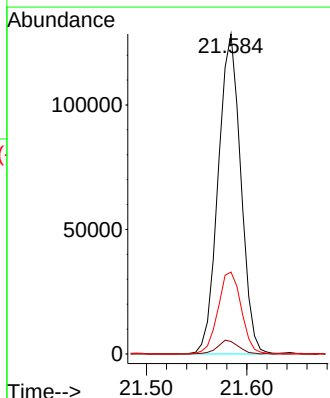
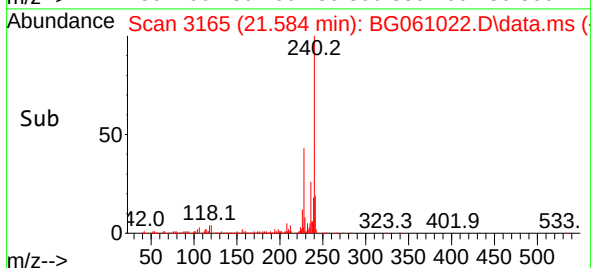
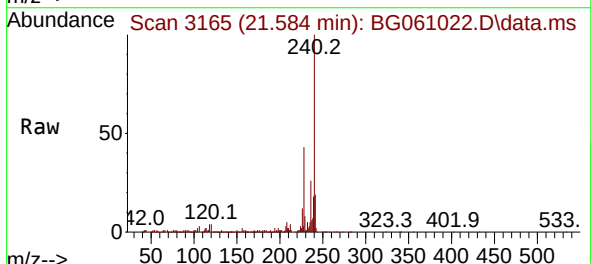
Manual Integrations
APPROVED

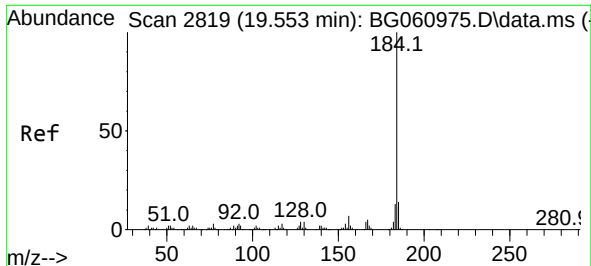
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.584 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

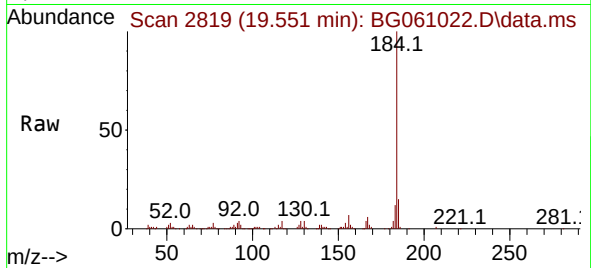
Tgt Ion:240 Resp: 200769
Ion Ratio Lower Upper
240 100
120 3.9 3.0 4.6
236 25.6 21.8 32.6





#77
Benzidine
Concen: 42.787 ng
RT: 19.551 min Scan# 2819
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

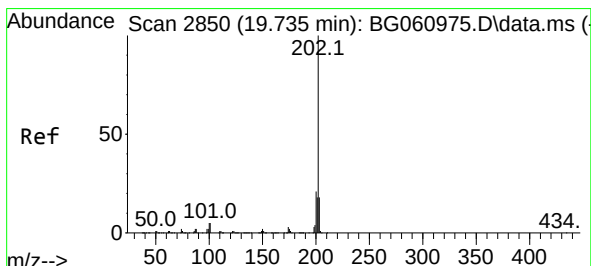
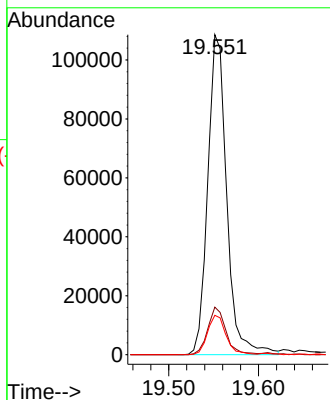
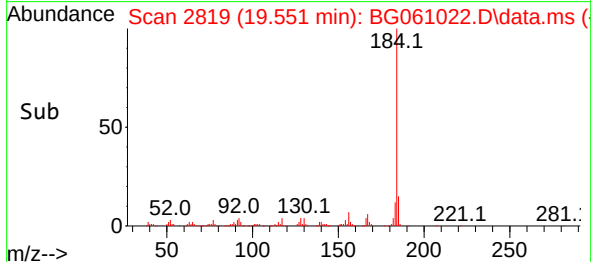
Instrument :
BNA_G
ClientSampleId :
PB160449BS



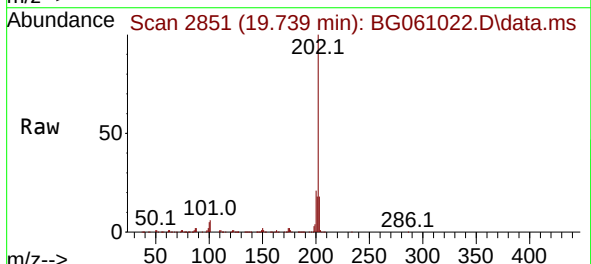
Tgt Ion:184 Resp: 159168
Ion Ratio Lower Upper
184 100
185 14.9 11.3 16.9
183 12.3 10.2 15.2

Manual Integrations
APPROVED

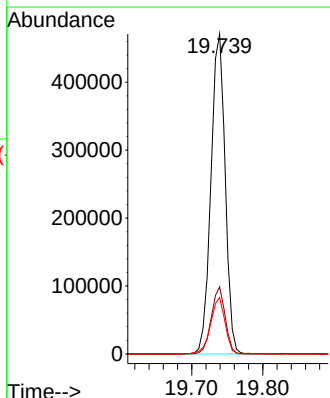
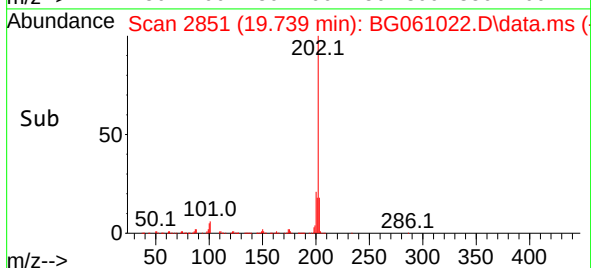
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

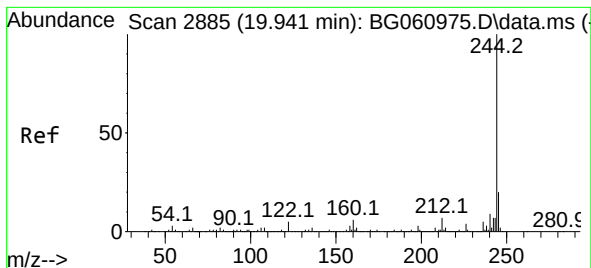


#78
Pyrene
Concen: 48.025 ng
RT: 19.739 min Scan# 2851
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:202 Resp: 656511
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 89.085 ng

RT: 19.945 min Scan# 2885

Delta R.T. 0.004 min

Lab File: BG061022.D

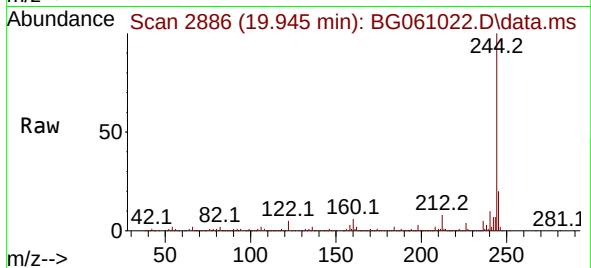
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



Tgt Ion:244 Resp: 1152250

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

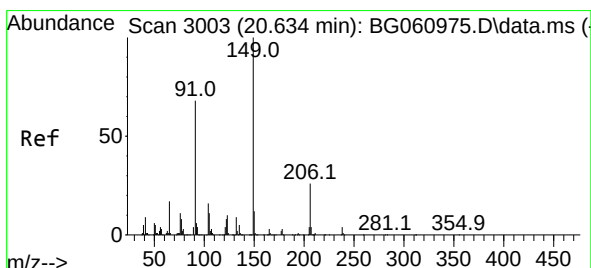
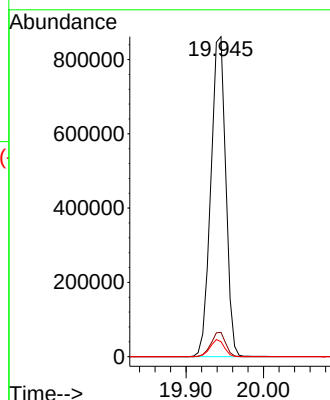
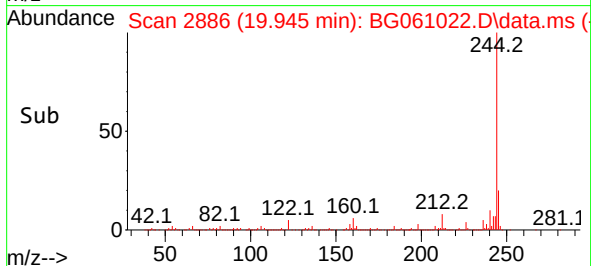
122 4.7 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#80

Butylbenzylphthalate

Concen: 45.752 ng

RT: 20.632 min Scan# 3003

Delta R.T. -0.002 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

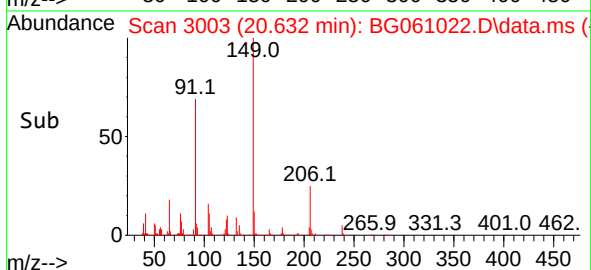
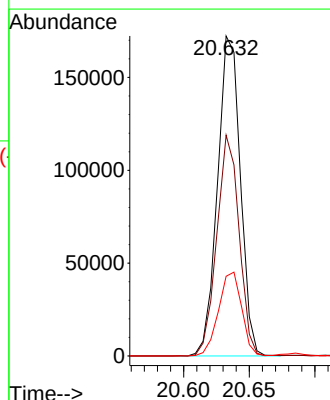
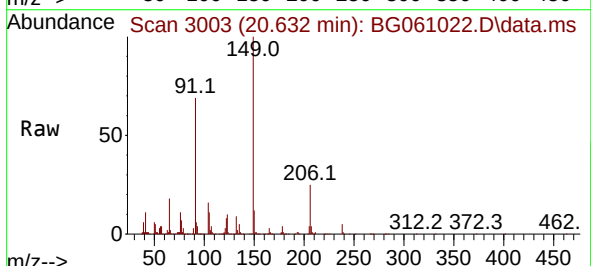
Tgt Ion:149 Resp: 208464

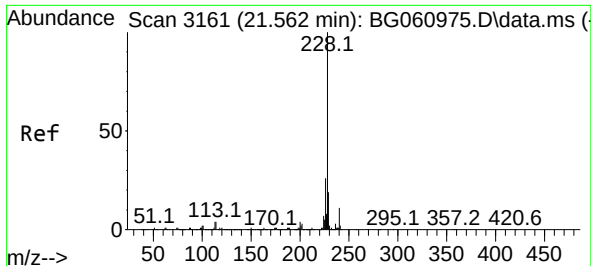
Ion Ratio Lower Upper

149 100

91 69.0 54.4 81.6

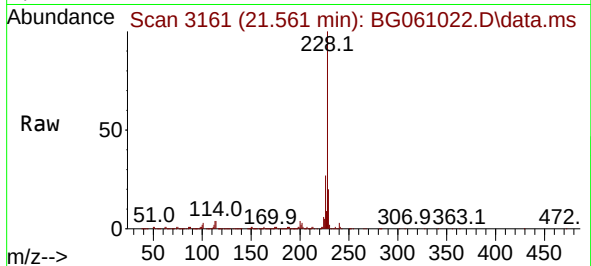
206 24.9 20.8 31.2





#81
Benzo(a)anthracene
Concen: 48.542 ng
RT: 21.561 min Scan# 3161
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

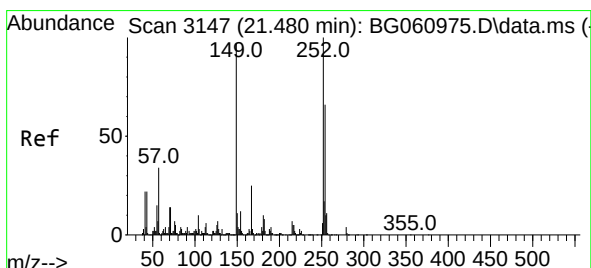
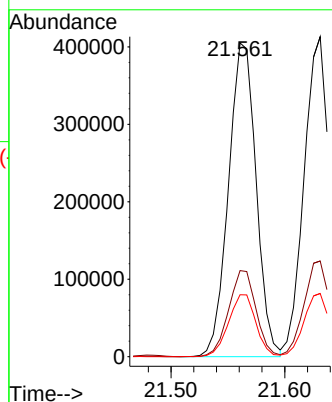
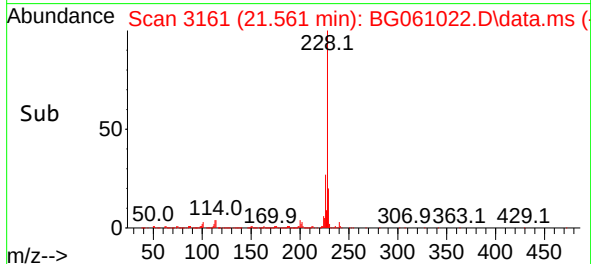
Instrument :
BNA_G
ClientSampleId :
PB160449BS



Tgt Ion:228 Resp: 685188
Ion Ratio Lower Upper
228 100
226 27.4 21.0 31.4
229 19.7 15.0 22.4

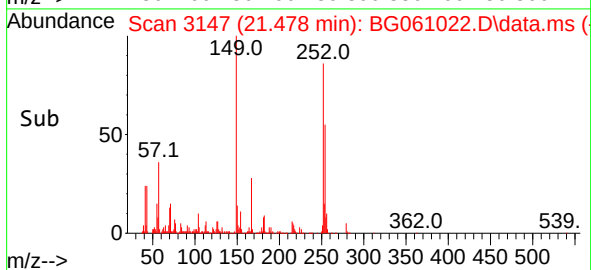
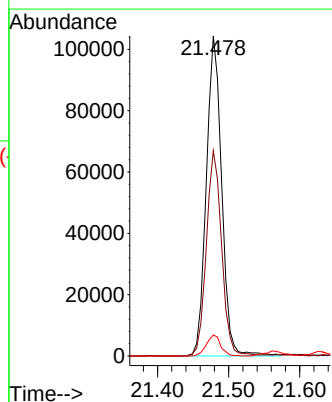
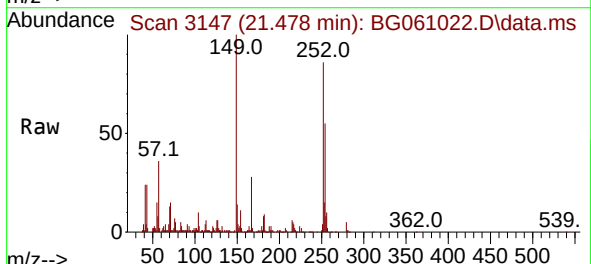
Manual Integrations
APPROVED

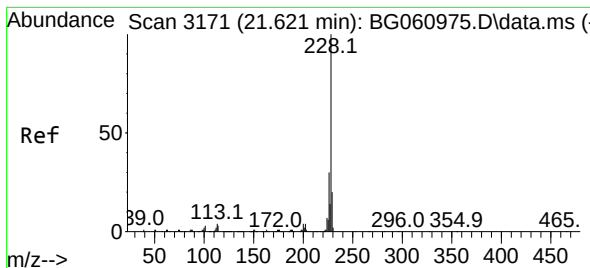
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 30.816 ng
RT: 21.478 min Scan# 3147
Delta R.T. -0.002 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Tgt Ion:252 Resp: 157199
Ion Ratio Lower Upper
252 100
254 64.1 52.7 79.1
126 6.5 4.2 6.2#





#83

Chrysene

Concen: 47.791 ng

RT: 21.631 min Scan# 3173

Delta R.T. 0.010 min

Lab File: BG061022.D

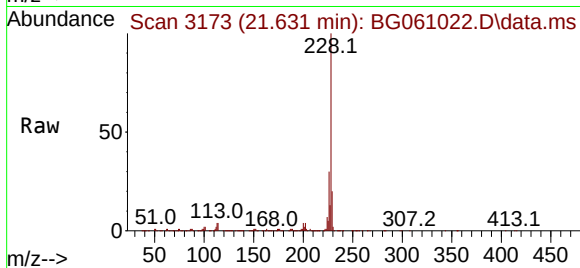
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS



Tgt Ion:228 Resp: 642259

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

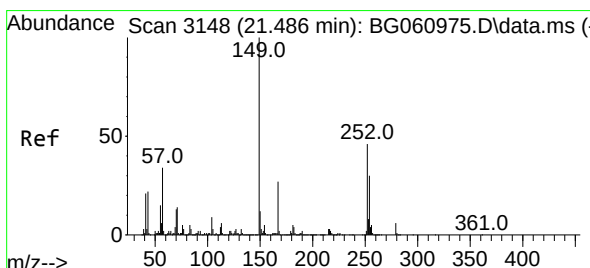
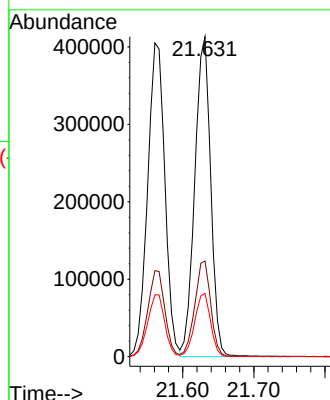
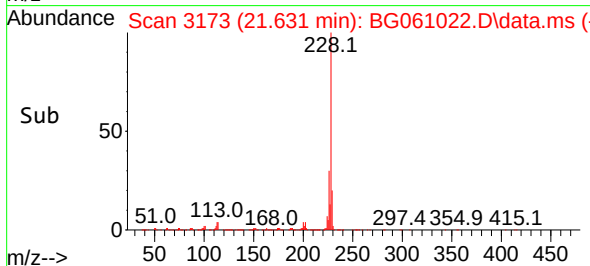
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.074 ng

RT: 21.490 min Scan# 3149

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

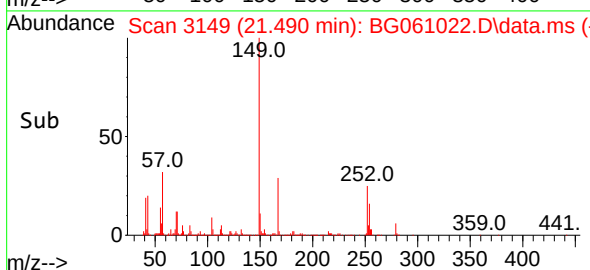
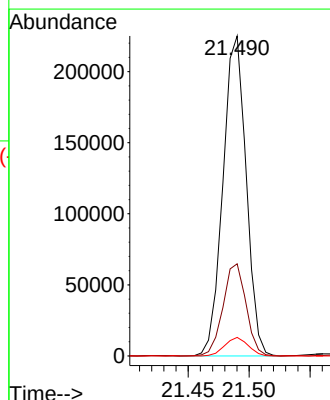
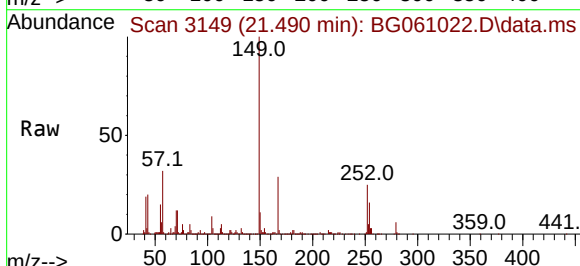
Tgt Ion:149 Resp: 298592

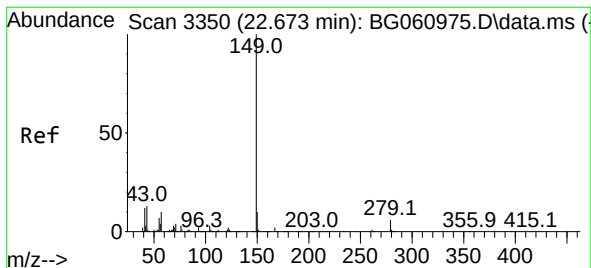
Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.8

279 5.8 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 46.540 ng

RT: 22.677 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

Tgt Ion:149 Resp: 51185

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.2

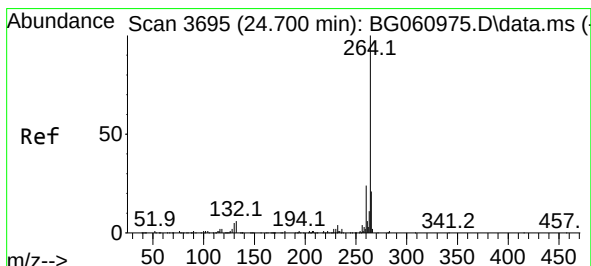
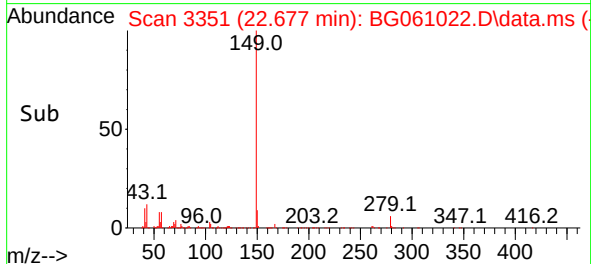
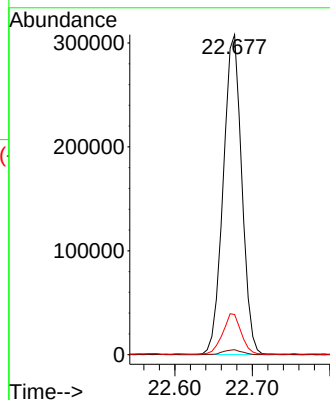
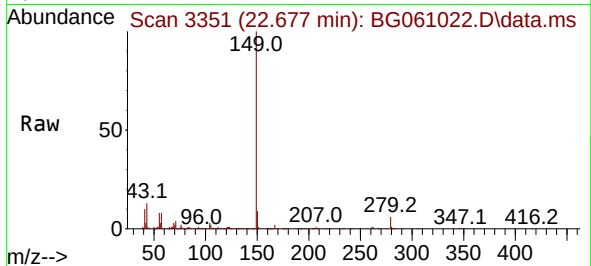
43 12.6 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.704 min Scan# 3696

Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

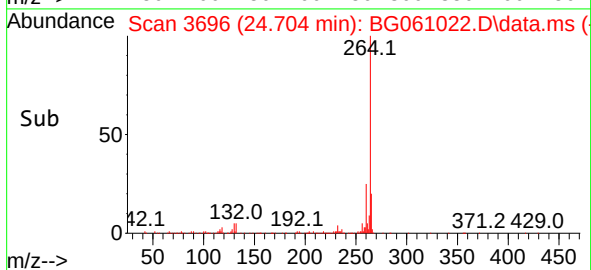
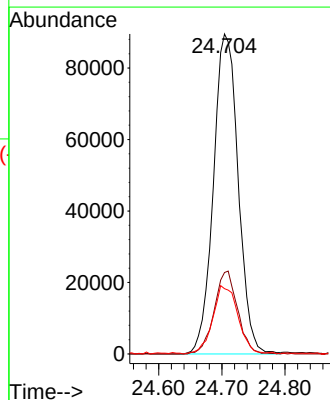
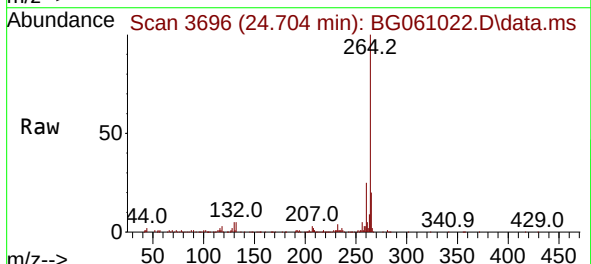
Tgt Ion:264 Resp: 244014

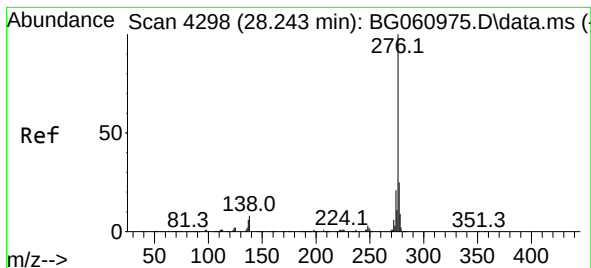
Ion Ratio Lower Upper

264 100

260 25.5 19.4 29.2

265 20.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.036 ng

RT: 28.265 min Scan# 41

Delta R.T. 0.022 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

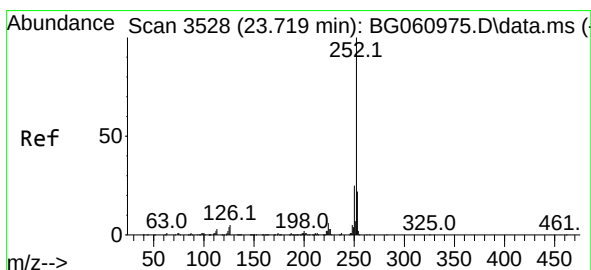
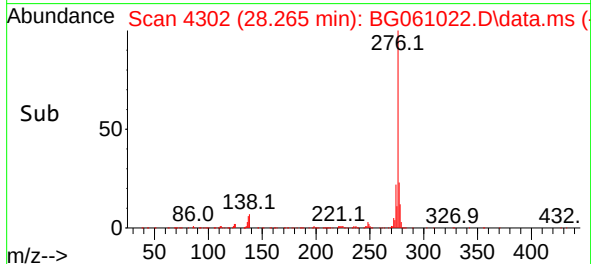
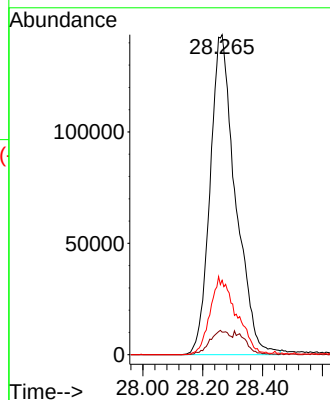
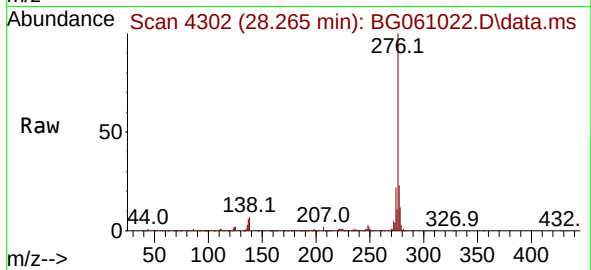
Tgt Ion:276 Resp: 846980
 Ion Ratio Lower Upper
 276 100
 138 6.1 5.3 7.9
 277 25.2 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 48.689 ng

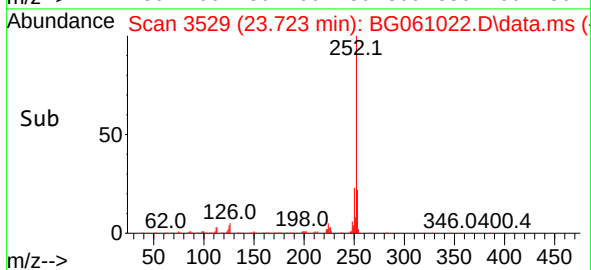
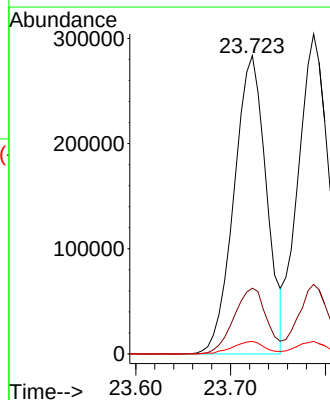
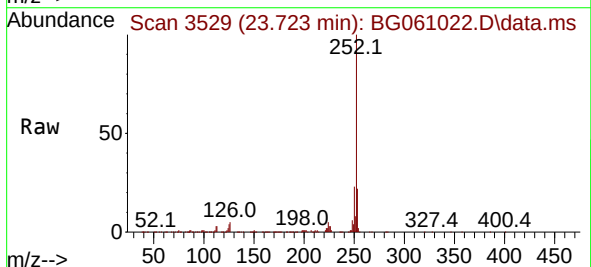
RT: 23.723 min Scan# 3529

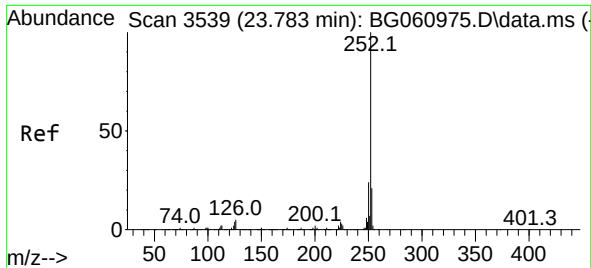
Delta R.T. 0.004 min

Lab File: BG061022.D

Acq: 24 Apr 2024 12:25

Tgt Ion:252 Resp: 673277
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 4.3 3.3 4.9





#89
Benzo(k)fluoranthene
Concen: 48.912 ng
RT: 23.788 min Scan# 3540
Delta R.T. 0.004 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

Instrument :

BNA_G

ClientSampleId :

PB160449BS

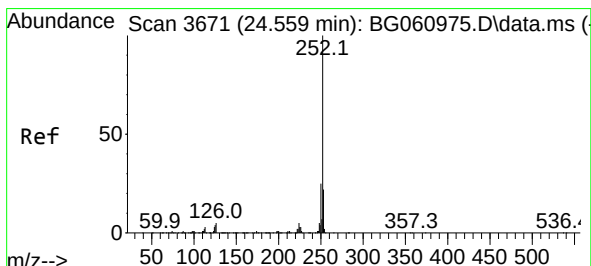
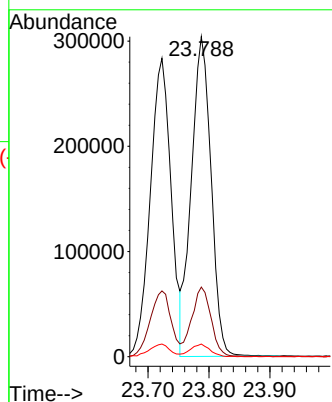
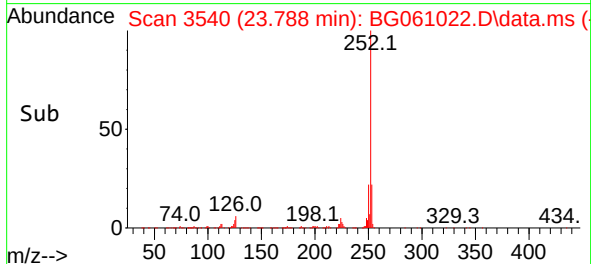
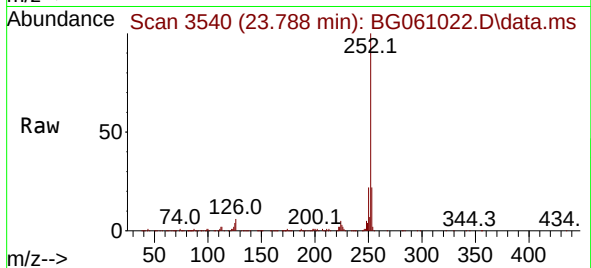
Tgt Ion:252 Resp: 68277
Ion Ratio Lower Upper
252 100
253 21.8 16.6 25.0
125 3.9 3.3 4.9

Manual Integrations

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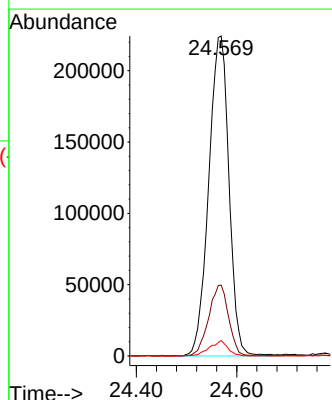
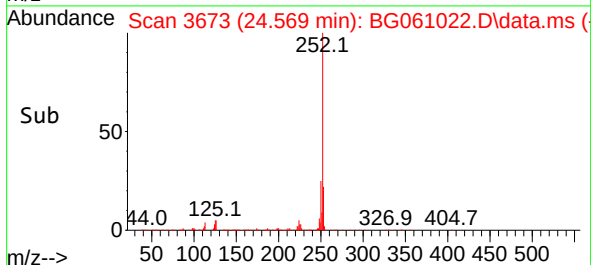
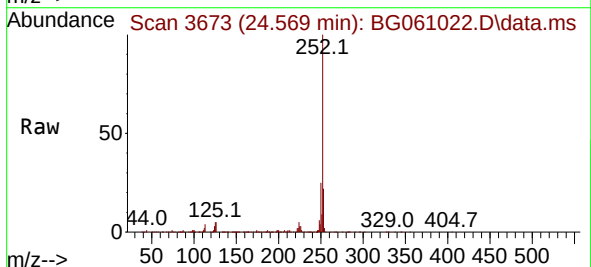
Reviewed By :Yogesh Patel 04/26/2024

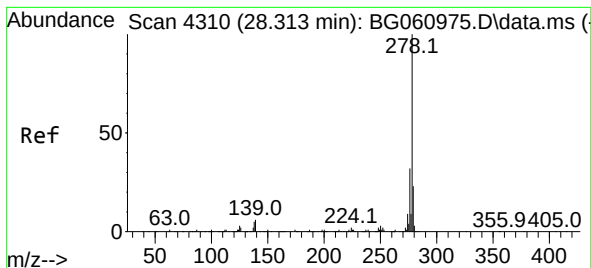
Supervised By :mohammad ahmed 04/27/2024



#90
Benzo(a)pyrene
Concen: 46.964 ng
RT: 24.569 min Scan# 3673
Delta R.T. 0.010 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

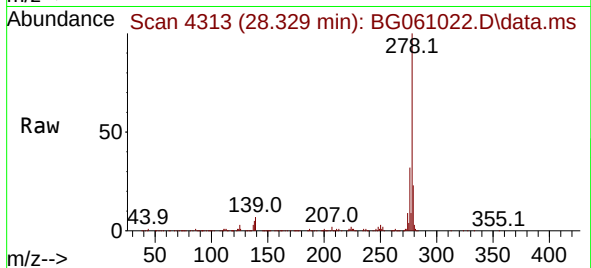
Tgt Ion:252 Resp: 628590
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 4.8 3.6 5.4





#91
Dibenzo(a,h)anthracene
Concen: 49.336 ng
RT: 28.329 min Scan# 41
Delta R.T. 0.016 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25

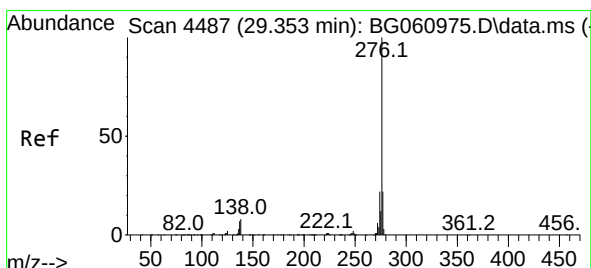
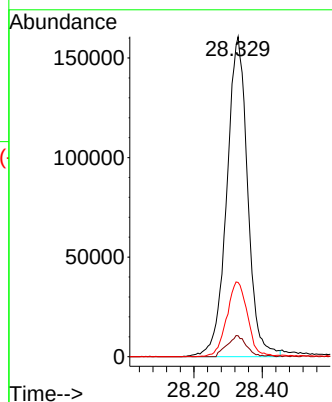
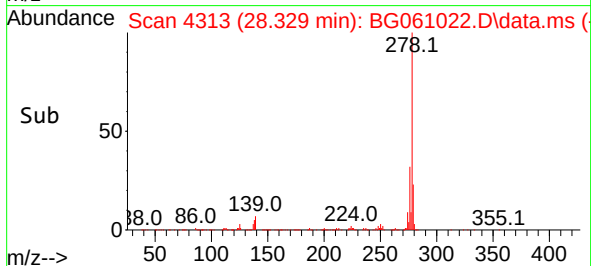
Instrument :
BNA_G
ClientSampleId :
PB160449BS



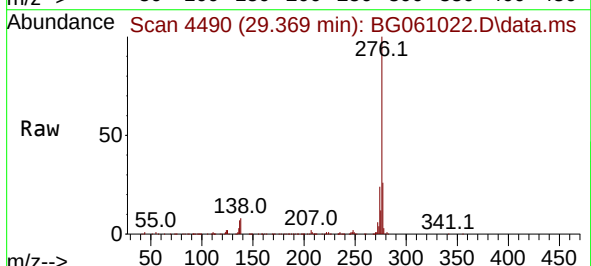
Tgt Ion:278 Resp: 68231
Ion Ratio Lower Upper
278 100
139 6.6 4.7 7.1
279 23.2 18.2 27.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#92
Benzo(g,h,i)perylene
Concen: 46.788 ng
RT: 29.369 min Scan# 4490
Delta R.T. 0.016 min
Lab File: BG061022.D
Acq: 24 Apr 2024 12:25



Tgt Ion:276 Resp: 641588
Ion Ratio Lower Upper
276 100
277 26.1 18.0 27.0
138 7.9 6.5 9.7

