

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061027.D
 Acq On : 24 Apr 2024 16:06
 Operator : MA/JU
 Sample : P2228-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EXCAVATION-SOILMSD

Quant Time: Apr 24 17:04:24 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	27933	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	121901	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	83358	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	191612	20.000	ng	0.00
76) Chrysene-d12	21.590	240	210503	20.000	ng	0.01
86) Perylene-d12	24.716	264	248725	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	177683	128.668	ng	0.01
7) Phenol-d6	7.119	99	223805	109.229	ng	0.01
23) Nitrobenzene-d5	9.099	82	177596	65.457	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	187246	102.293	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	411050	68.248	ng	0.00
79) Terphenyl-d14	19.939	244	809543	59.695	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.453	88	17604	36.834	ng	98
3) Pyridine	3.841	79	47021	31.829	ng	91
4) n-Nitrosodimethylamine	3.758	42	54425	40.962	ng	97
6) Aniline	7.272	93	58776	23.868	ng	97
8) 2-Chlorophenol	7.513	128	77120	44.820	ng	98
9) Benzaldehyde	7.078	77	3011	2.857	ng	89
10) Phenol	7.149	94	91691	45.042	ng	95
11) bis(2-Chloroethyl)ether	7.366	93	99330	68.201	ng	94
12) 1,3-Dichlorobenzene	7.836	146	86232	45.192	ng	97
13) 1,4-Dichlorobenzene	7.983	146	87794	44.669	ng	99
14) 1,2-Dichlorobenzene	8.300	146	96969	50.483	ng	90
15) Benzyl Alcohol	8.183	79	84747	43.807	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.465	45	143667	45.314	ng	98
17) 2-Methylphenol	8.388	107	69495	42.280	ng	96
18) Hexachloroethane	9.029	117	36450	51.468	ng	92
19) n-Nitroso-di-n-propyla...	8.747	70	62813	41.136	ng	98
20) 3+4-Methylphenols	8.717	107	97168	42.270	ng	94
22) Acetophenone	8.764	105	135202	39.720	ng	# 98
24) Nitrobenzene	9.146	77	100426	38.520	ng	98
25) Isophorone	9.663	82	172335	37.954	ng	99
26) 2-Nitrophenol	9.851	139	51964	42.408	ng	96
27) 2,4-Dimethylphenol	9.916	122	63380	32.271	ng	96
28) bis(2-Chloroethoxy)met...	10.145	93	93281	39.053	ng	94
29) 2,4-Dichlorophenol	10.392	162	95128	41.967	ng	98
30) 1,2,4-Trichlorobenzene	10.603	180	113127	45.233	ng	97
31) Naphthalene	10.791	128	276586	41.444	ng	99
32) Benzoic acid	10.063	122	62047m	41.463	ng	
33) 4-Chloroaniline	10.897	127	66277	21.862	ng	97
34) Hexachlorobutadiene	11.079	225	98746	44.895	ng	95
35) Caprolactam	11.679	113	24852m	34.421	ng	
36) 4-Chloro-3-methylphenol	12.025	107	100787	38.124	ng	94
37) 2-Methylnaphthalene	12.395	142	186382	35.520	ng	97
38) 1-Methylnaphthalene	12.619	142	171703	35.065	ng	96
40) 1,2,4,5-Tetrachloroben...	12.765	216	146341	49.401	ng	99
41) Hexachlorocyclopentadiene	12.748	237	60584	34.758	ng	95
43) 2,4,6-Trichlorophenol	13.006	196	87527	44.948	ng	96

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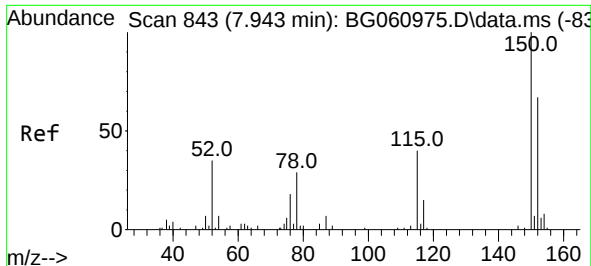
Manual Integrations
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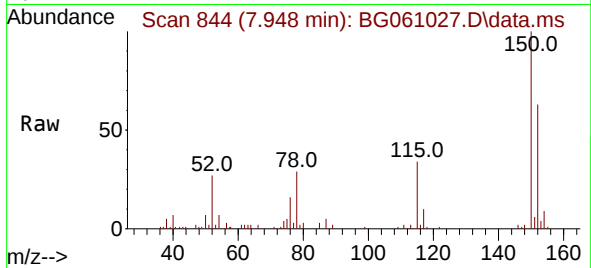
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	93430	40.561	ng	97
46) 1,1'-Biphenyl	13.406	154	255136	45.439	ng	96
47) 2-Chloronaphthalene	13.447	162	198460	46.098	ng	97
48) 2-Nitroaniline	13.647	65	67916	39.088	ng	96
49) Acenaphthylene	14.299	152	329750	45.479	ng	99
50) Dimethylphthalate	14.029	163	276589	40.238	ng	100
51) 2,6-Dinitrotoluene	14.146	165	58006	40.443	ng	96
52) Acenaphthene	14.640	154	198394	45.032	ng	97
53) 3-Nitroaniline	14.475	138	45340	32.059	ng	96
54) 2,4-Dinitrophenol	14.687	184	34653	40.071	ng	98
55) Dibenzofuran	14.975	168	328114	43.129	ng	97
56) 4-Nitrophenol	14.798	139	84758	83.654	ng	97
57) 2,4-Dinitrotoluene	14.939	165	81352	39.383	ng	99
58) Fluorene	15.627	166	289526	45.089	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.204	232	95580	41.113	ng	99
60) Diethylphthalate	15.398	149	262790	38.820	ng	98
61) 4-Chlorophenyl-phenyle...	15.621	204	156710	39.571	ng	97
62) 4-Nitroaniline	15.639	138	51339	33.666	ng	97
63) Azobenzene	15.915	77	213155	38.713	ng	98
65) 4,6-Dinitro-2-methylph...	15.703	198	28890	24.418	ng	99
66) n-Nitrosodiphenylamine	15.832	169	235766	44.661	ng	100
67) 4-Bromophenyl-phenylether	16.514	248	112478	44.479	ng	96
68) Hexachlorobenzene	16.632	284	136561	48.890	ng	98
69) Atrazine	16.784	200	98962	50.088	ng	97
70) Pentachlorophenol	16.978	266	172238	94.036	ng	97
71) Phenanthrene	17.366	178	858045	87.730	ng	99
72) Anthracene	17.460	178	587981	58.372	ng	99
73) Carbazole	17.724	167	424017	50.685	ng	99
74) Di-n-butylphthalate	18.294	149	417411	41.097	ng	100
75) Fluoranthene	19.381	202	1497424	115.364	ng	97
77) Benzidine	19.558	184	236958	60.752	ng	100
78) Pyrene	19.746	202	1365300	95.255	ng	99
80) Butylbenzylphthalate	20.639	149	191134	40.009	ng	97
81) Benzo(a)anthracene	21.573	228	1088328	73.538	ng	97
82) 3,3'-Dichlorobenzidine	21.485	252	206091	38.532	ng	97
83) Chrysene	21.637	228	979308	69.502	ng	98
84) Bis(2-ethylhexyl)phtha...	21.491	149	285593	41.119	ng	100
85) Di-n-octyl phthalate	22.677	149	484622	42.026	ng	97
87) Indeno(1,2,3-cd)pyrene	28.265	276	791445	45.870	ng	# 69
88) Benzo(b)fluoranthene	23.735	252	976149	69.255	ng	100
89) Benzo(k)fluoranthene	23.800	252	827168	58.133	ng	97
90) Benzo(a)pyrene	24.575	252	866293	63.497	ng	99
91) Dibenzo(a,h)anthracene	28.335	278	563011	39.939	ng	98
92) Benzo(g,h,i)perylene	29.375	276	546200m	39.077	ng	

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.948 min Scan# 84
 Delta R.T. 0.005 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06

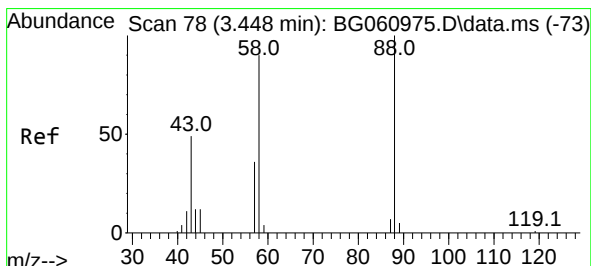
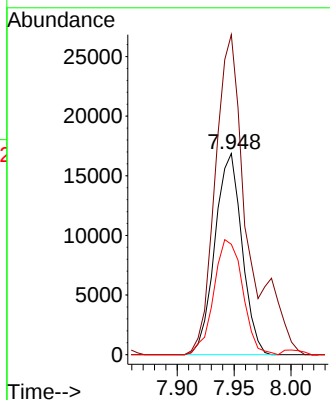
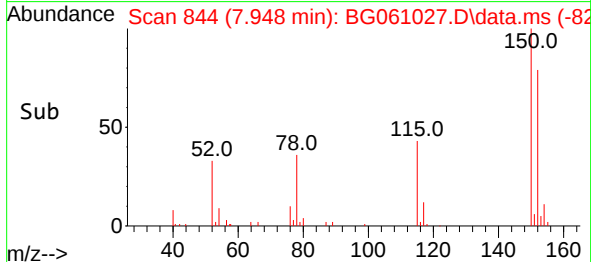
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 BNA_G
 ClientSampleId :
 EXCAVATION-SOILMSD



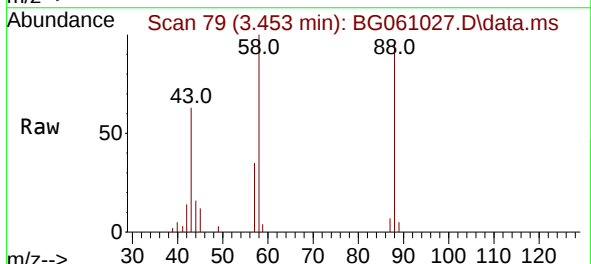
Tgt Ion:152 Resp: 2793
 Ion Ratio Lower Upper
 152 100
 150 159.1 118.6 178.0
 115 54.9 47.4 71.0

Manual Integrations
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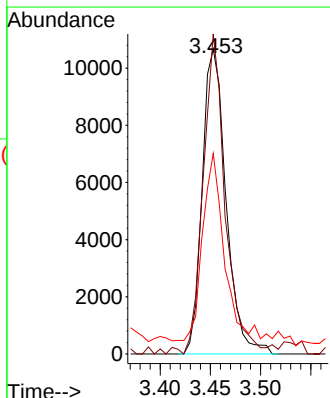
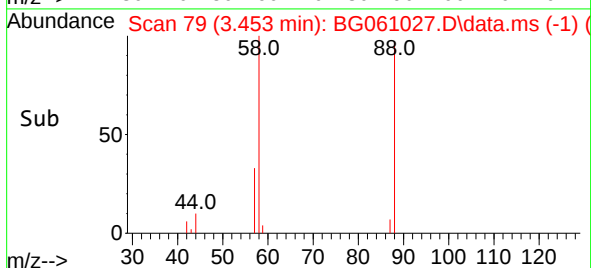
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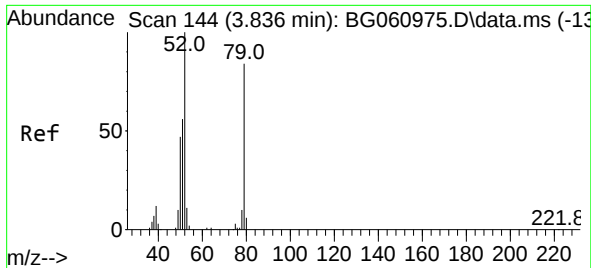


#2
 1,4-Dioxane
 Concen: 36.834 ng
 RT: 3.453 min Scan# 79
 Delta R.T. 0.005 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06



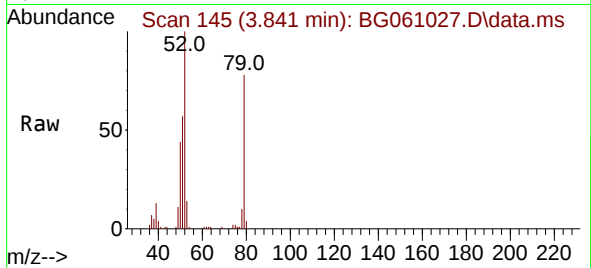
Tgt Ion: 88 Resp: 17604
 Ion Ratio Lower Upper
 88 100
 58 98.1 80.2 120.2
 43 56.3 43.4 65.0





#3
Pyridine
Concen: 31.829 ng
RT: 3.841 min Scan# 144
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

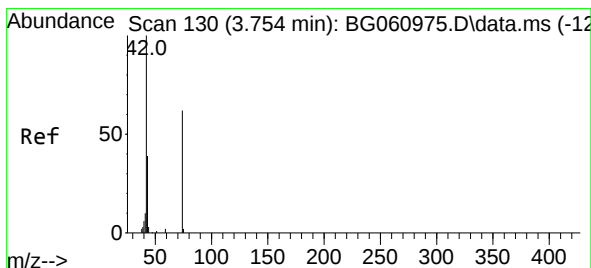
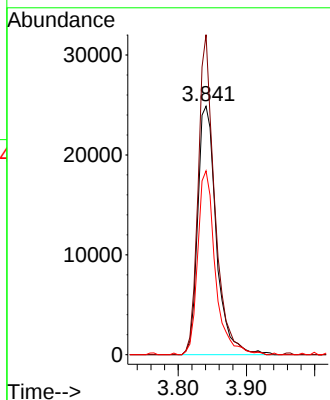
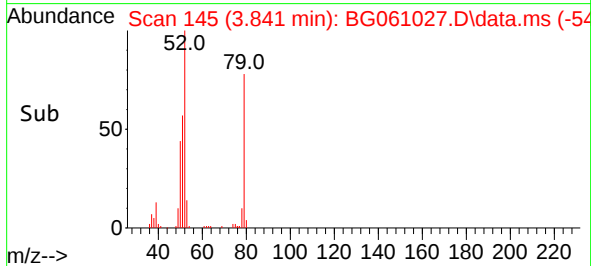
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



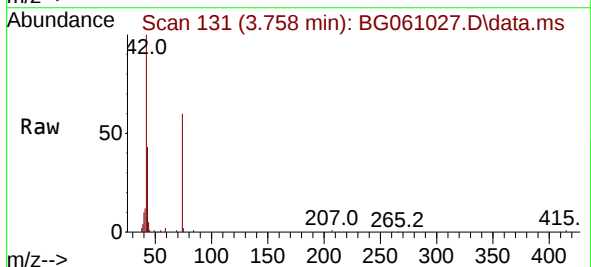
Tgt Ion: 79 Resp: 4702
Ion Ratio Lower Upper
79 100
52 128.8 95.0 142.6
51 74.0 53.3 79.9

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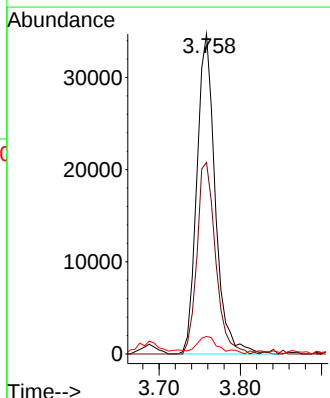
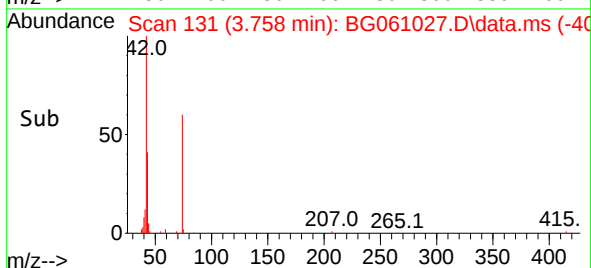
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

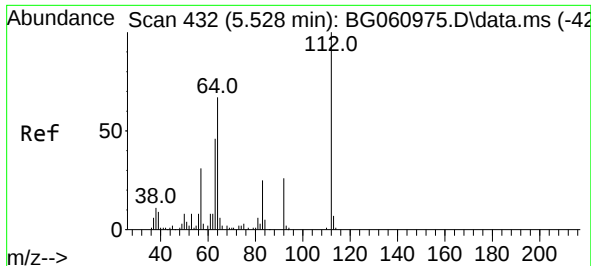


#4
n-Nitrosodimethylamine
Concen: 40.962 ng
RT: 3.758 min Scan# 131
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



Tgt Ion: 42 Resp: 54425
Ion Ratio Lower Upper
42 100
74 59.9 49.8 74.6
44 5.5 3.8 5.6





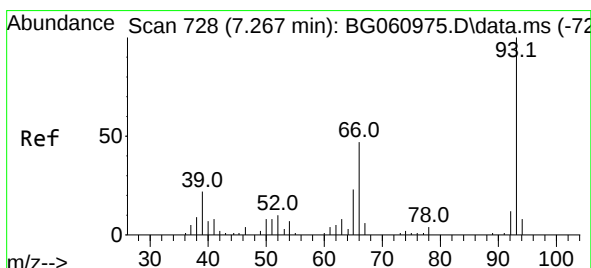
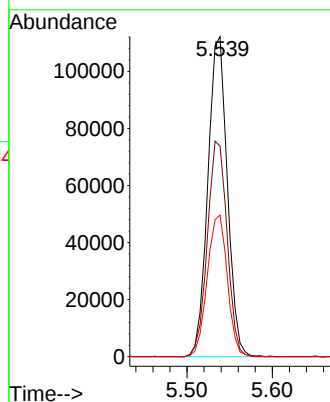
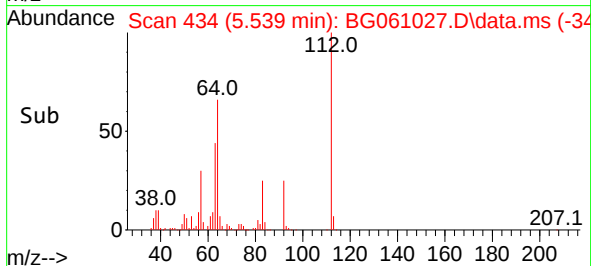
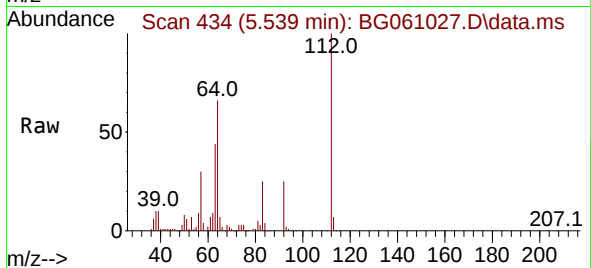
#5
2-Fluorophenol
Concen: 128.668 ng
RT: 5.539 min Scan# 432
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:112 Resp: 17768
Ion Ratio Lower Upper
112 100
64 65.9 53.7 80.5
63 44.3 37.0 55.6

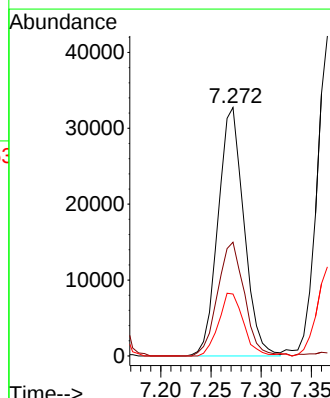
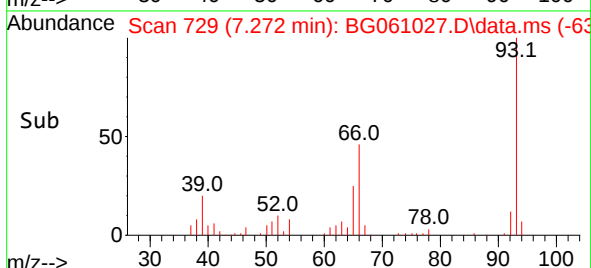
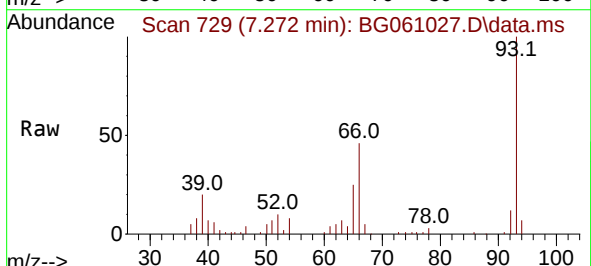
Manual Integrations
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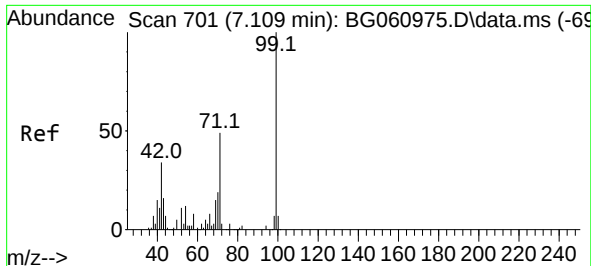
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#6
Aniline
Concen: 23.868 ng
RT: 7.272 min Scan# 729
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

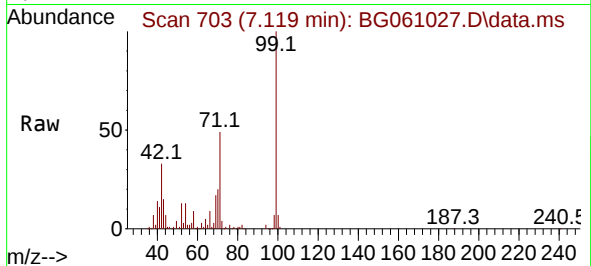
Tgt Ion: 93 Resp: 58776
Ion Ratio Lower Upper
93 100
66 45.7 37.9 56.9
65 24.9 18.2 27.4





#7
Phenol-d6
Concen: 109.229 ng
RT: 7.119 min Scan# 701
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

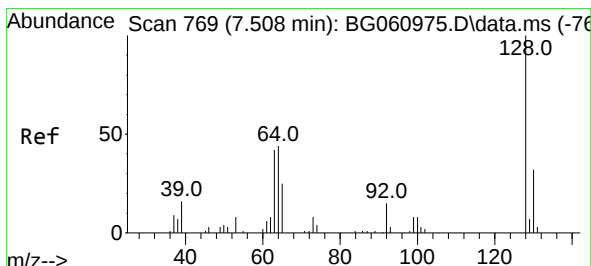
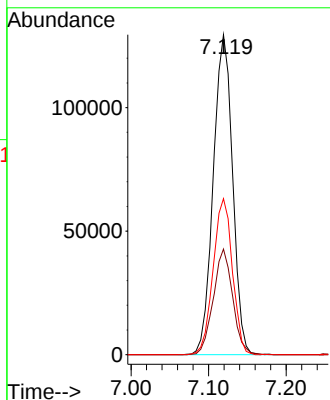
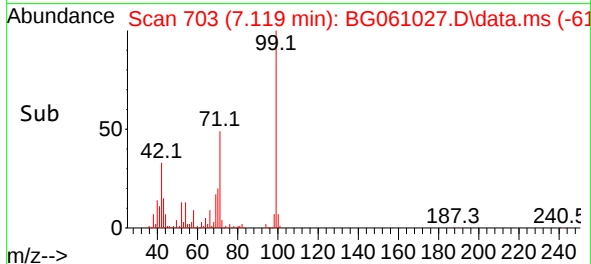
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion: 99 Resp: 22380
Ion Ratio Lower Upper
99 100
42 33.0 27.2 40.8
71 48.7 38.8 58.2

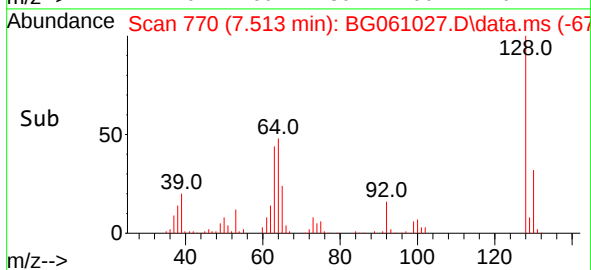
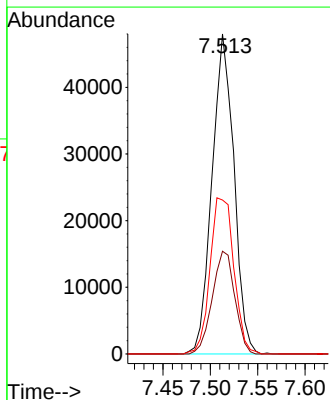
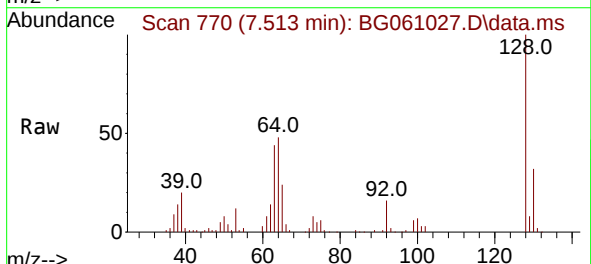
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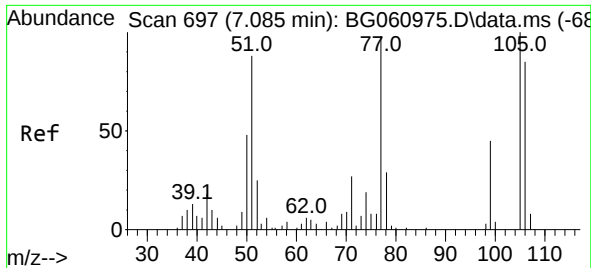
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#8
2-Chlorophenol
Concen: 44.820 ng
RT: 7.513 min Scan# 770
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

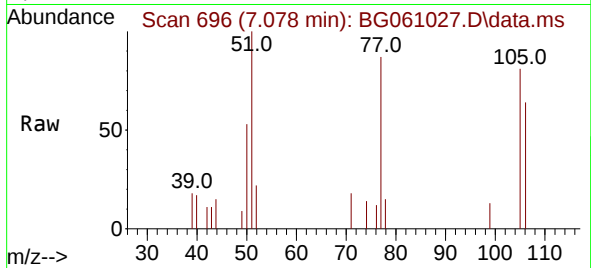
Tgt Ion:128 Resp: 77120
Ion Ratio Lower Upper
128 100
130 32.1 12.2 52.2
64 48.1 30.8 70.8





#9
Benzaldehyde
Concen: 2.857 ng
RT: 7.078 min Scan# 697
Delta R.T. -0.007 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

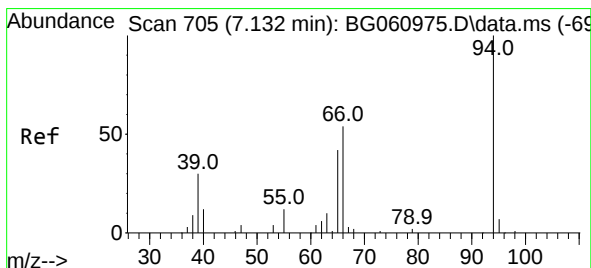
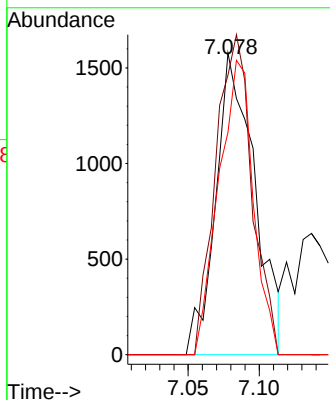
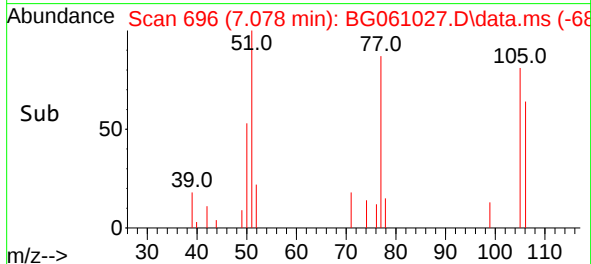
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion: 77	Resp: 301
Ion Ratio	Lower Upper
77	100
105	92.6 81.7 121.7
106	73.7 66.7 106.7

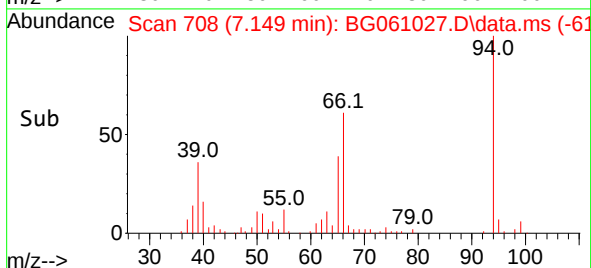
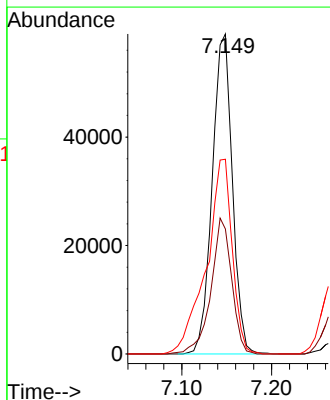
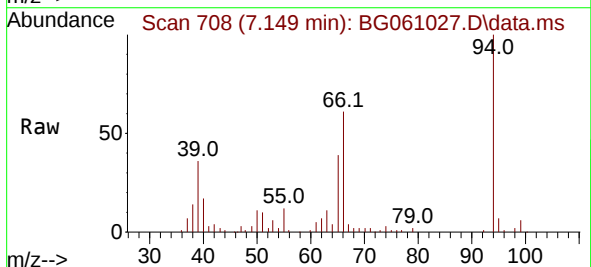
Manual Integrations
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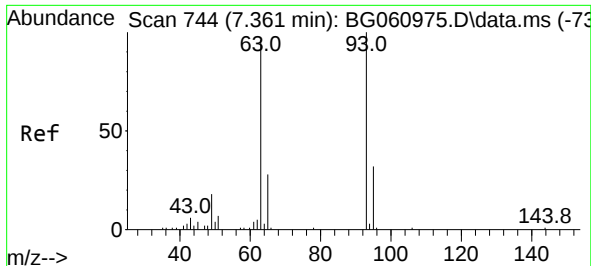
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#10
Phenol
Concen: 45.042 ng
RT: 7.149 min Scan# 708
Delta R.T. 0.016 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Tgt Ion: 94	Resp: 91691
Ion Ratio	Lower Upper
94	100
65	39.1 23.1 63.1
66	60.8 38.0 78.0





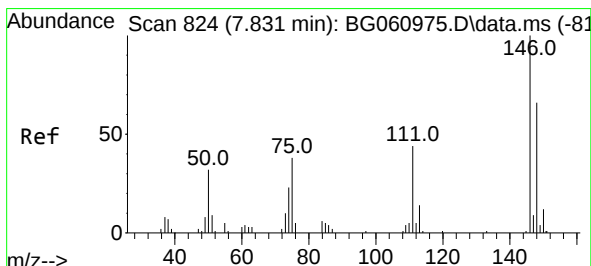
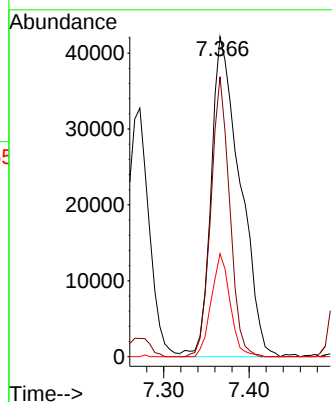
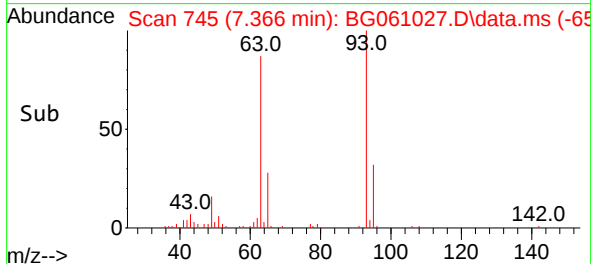
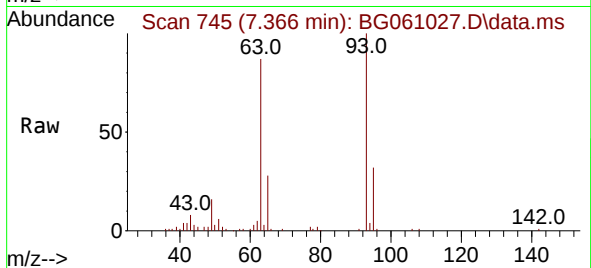
#11
bis(2-Chloroethyl)ether
Concen: 68.201 ng
RT: 7.366 min Scan# 744
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion: 93 Resp: 99330
Ion Ratio Lower Upper
93 100
63 87.5 75.6 115.6
95 32.2 12.1 52.1

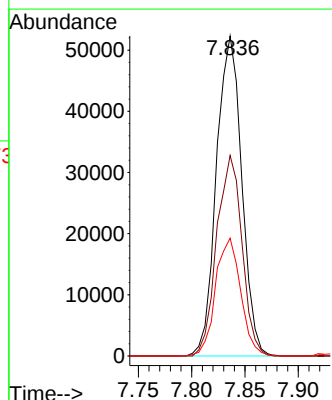
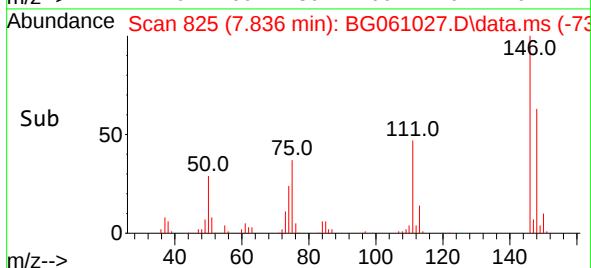
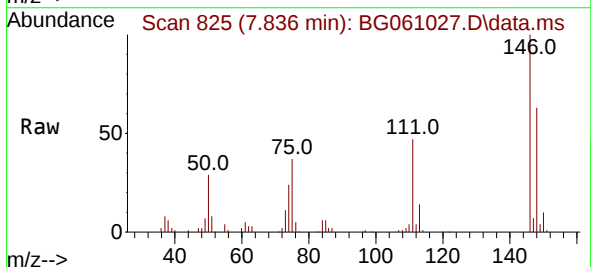
Manual Integrations
APPROVED

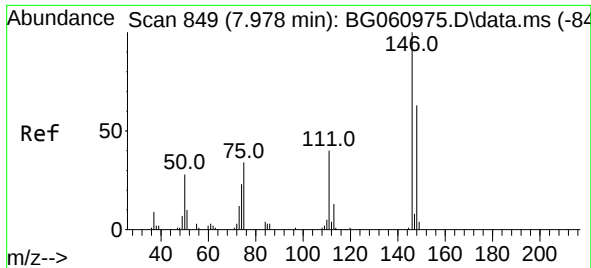
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#12
1,3-Dichlorobenzene
Concen: 45.192 ng
RT: 7.836 min Scan# 825
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Tgt Ion:146 Resp: 86232
Ion Ratio Lower Upper
146 100
148 62.7 52.7 79.1
75 36.8 30.1 45.1





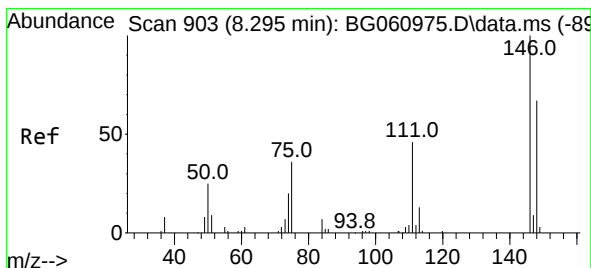
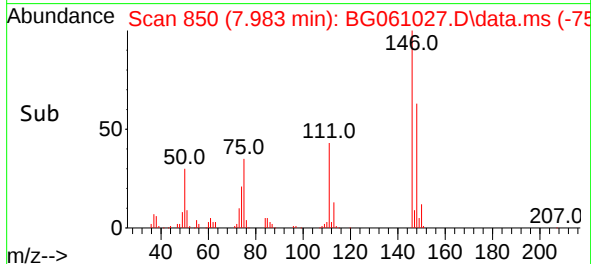
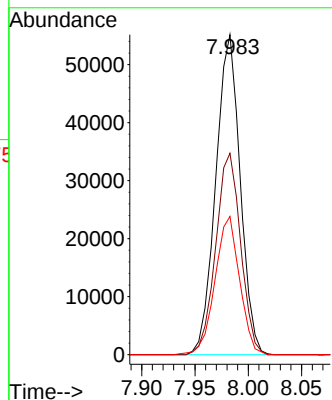
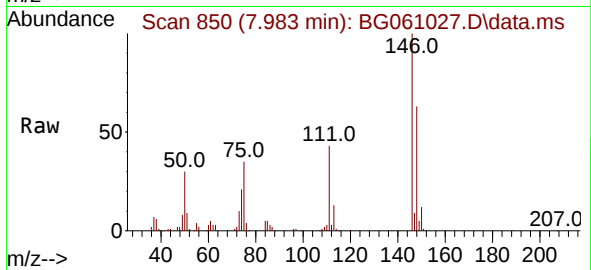
#13
1,4-Dichlorobenzene
Concen: 44.669 ng
RT: 7.983 min Scan# 849
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:146 Resp: 87794
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
111 43.2 32.7 49.1

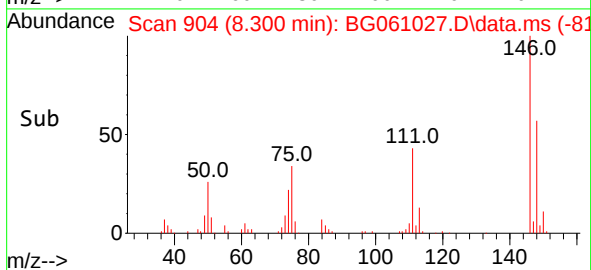
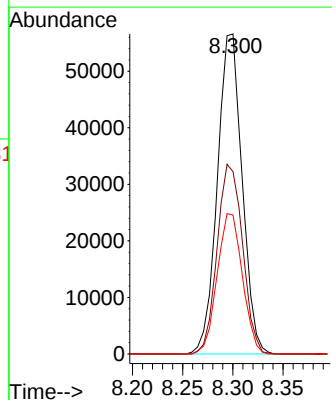
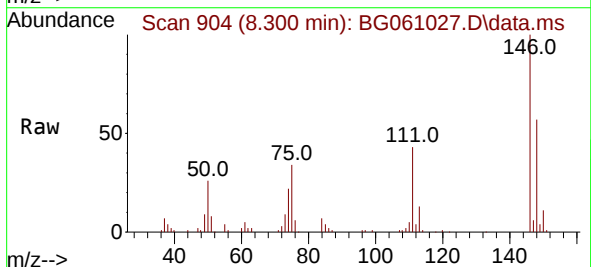
Manual Integrations
APPROVED

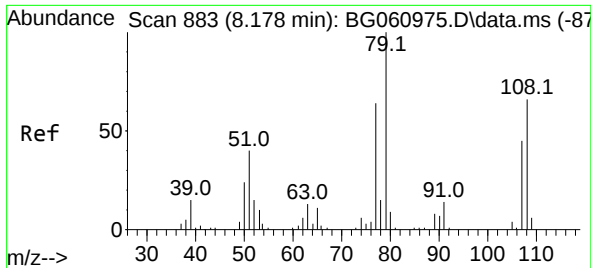
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#14
1,2-Dichlorobenzene
Concen: 50.483 ng
RT: 8.300 min Scan# 904
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Tgt Ion:146 Resp: 96969
Ion Ratio Lower Upper
146 100
148 57.0 53.8 80.8
111 43.4 38.2 57.2





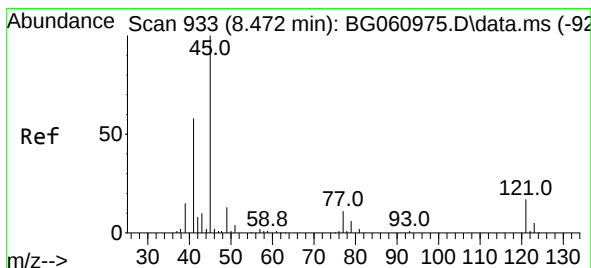
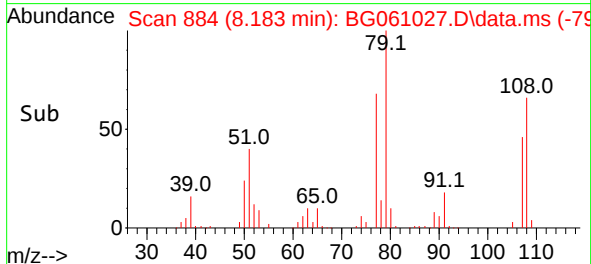
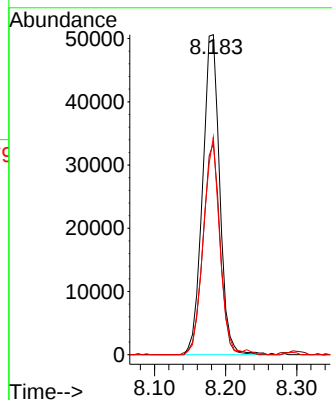
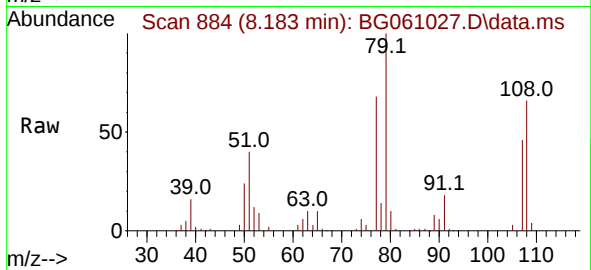
#15
Benzyl Alcohol
Concen: 43.807 ng
RT: 8.183 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion: 79 Resp: 8474
Ion Ratio Lower Upper
79 100
108 66.1 53.0 79.6
77 67.9 51.4 77.0

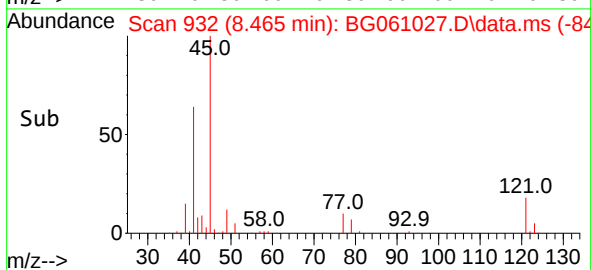
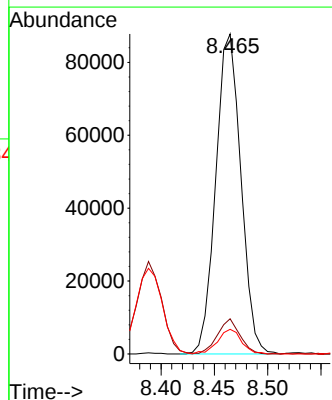
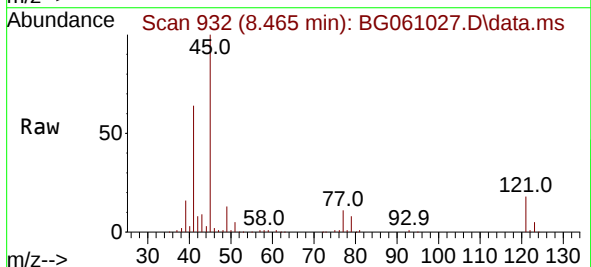
Manual Integrations
APPROVED

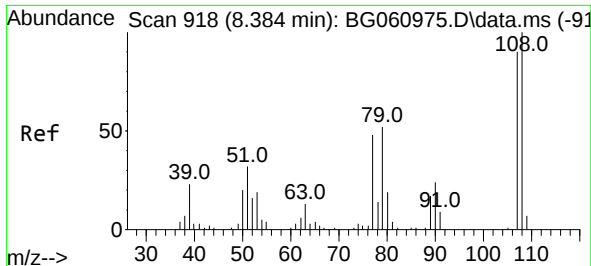
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.314 ng
RT: 8.465 min Scan# 932
Delta R.T. -0.007 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

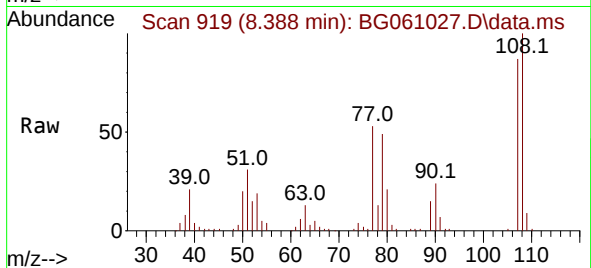
Tgt Ion: 45 Resp: 143667
Ion Ratio Lower Upper
45 100
77 11.0 0.0 30.6
79 7.7 0.0 26.6





#17
2-Methylphenol
Concen: 42.280 ng
RT: 8.388 min Scan# 918
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

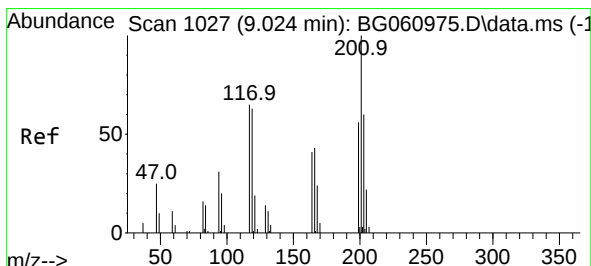
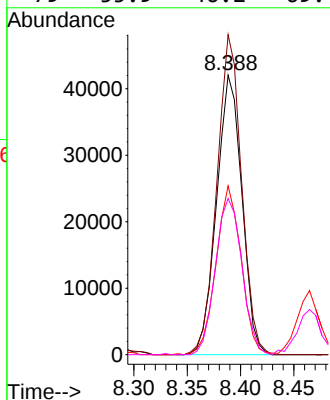
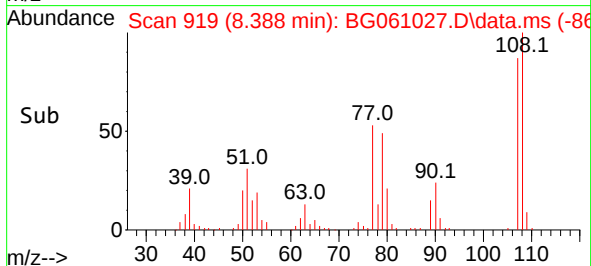
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:107 Resp: 6949
Ion Ratio Lower Upper
107 100
108 114.5 89.2 133.8
77 60.4 43.0 64.6
79 55.9 46.2 69.4

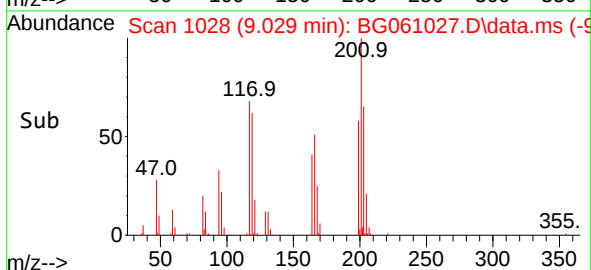
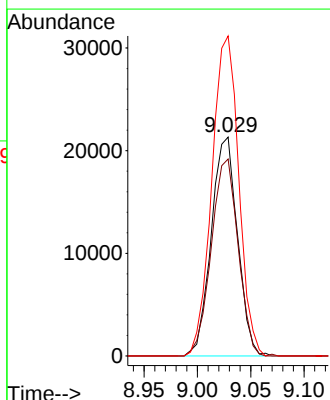
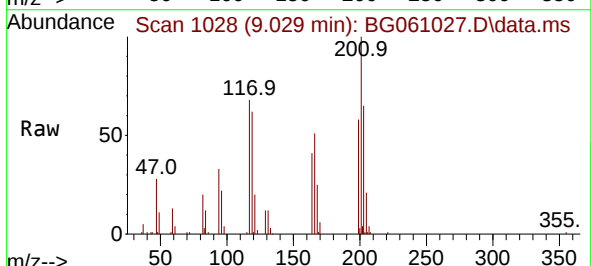
Manual Integrations
APPROVED

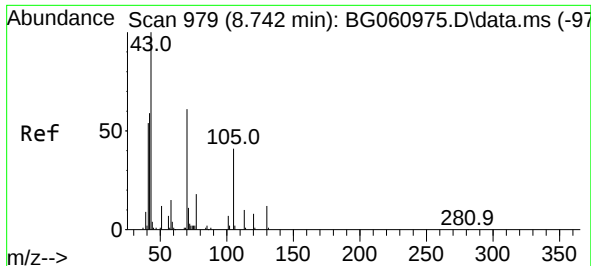
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#18
Hexachloroethane
Concen: 51.468 ng
RT: 9.029 min Scan# 1028
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

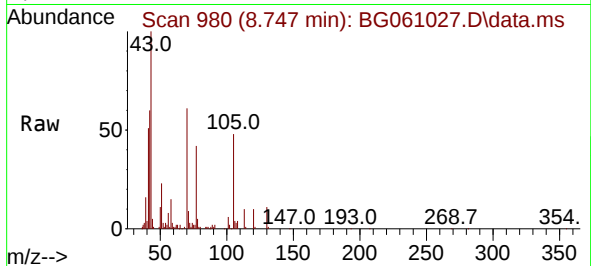
Tgt Ion:117 Resp: 36450
Ion Ratio Lower Upper
117 100
119 90.0 79.8 119.8
201 146.2 124.0 186.0





#19
n-Nitroso-di-n-propylamine
Concen: 41.136 ng
RT: 8.747 min Scan# 979
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

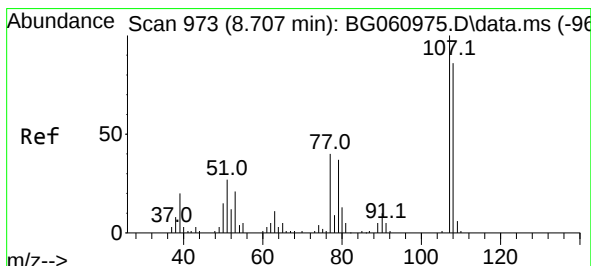
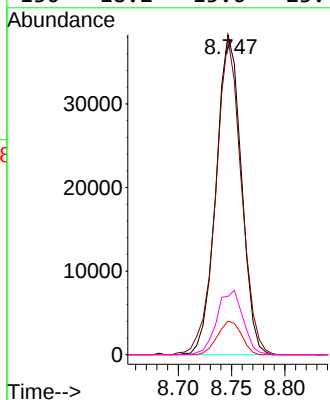
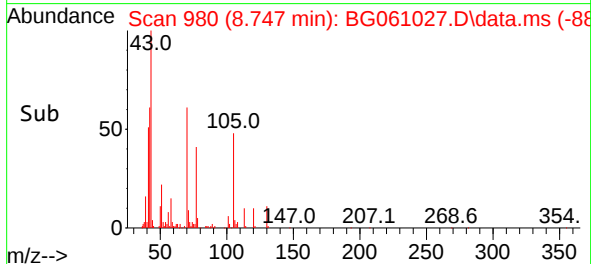
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion: 70 Resp: 6281
Ion Ratio Lower Upper
70 100
42 99.0 78.0 117.0
101 10.5 8.6 13.0
130 18.2 15.6 23.4

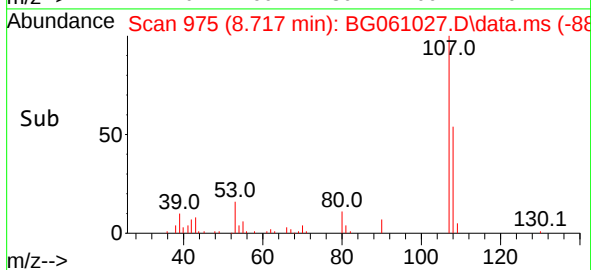
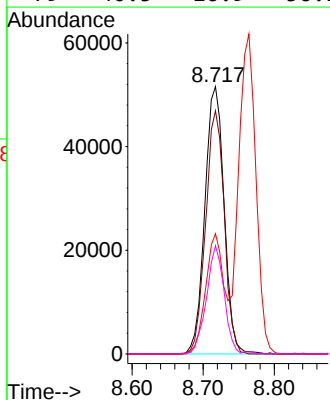
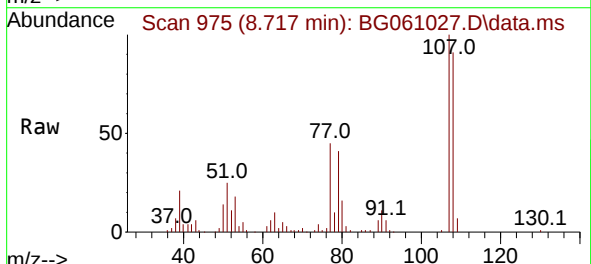
Manual Integrations
APPROVED

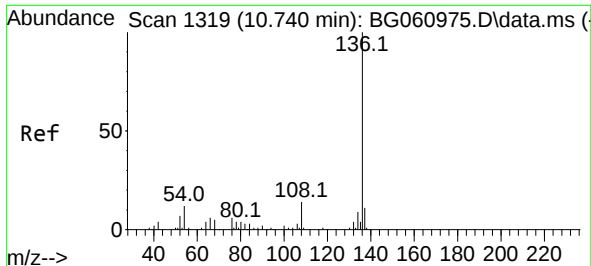
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#20
3+4-Methylphenols
Concen: 42.270 ng
RT: 8.717 min Scan# 975
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

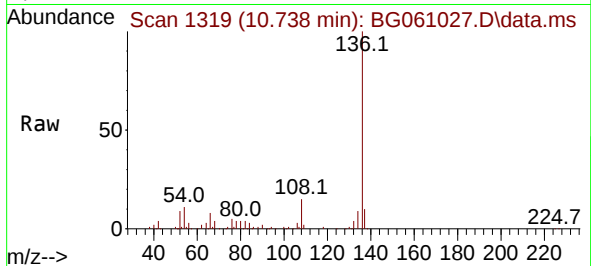
Tgt Ion:107 Resp: 97168
Ion Ratio Lower Upper
107 100
108 91.0 66.5 106.5
77 45.0 19.9 59.9
79 40.5 16.9 56.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

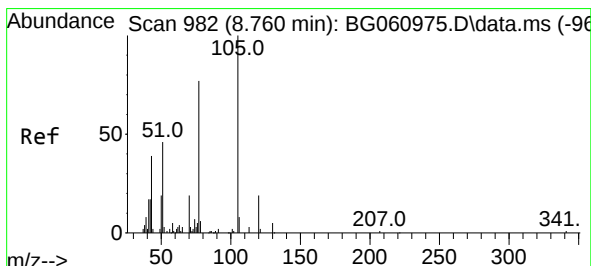
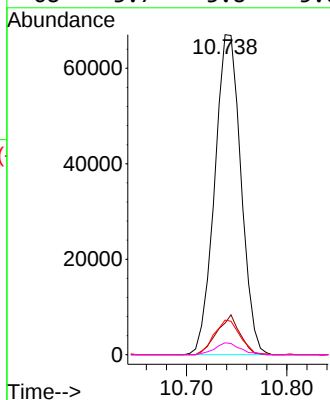
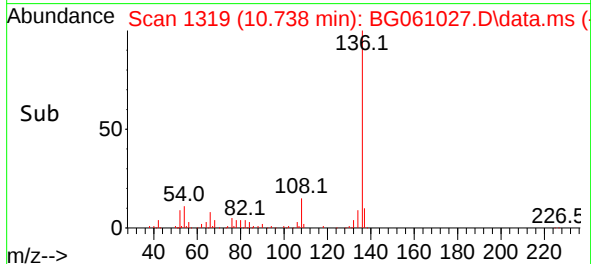
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:136 Resp: 12190
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 10.8 9.4 14.0
68 3.7 3.8 5.6#

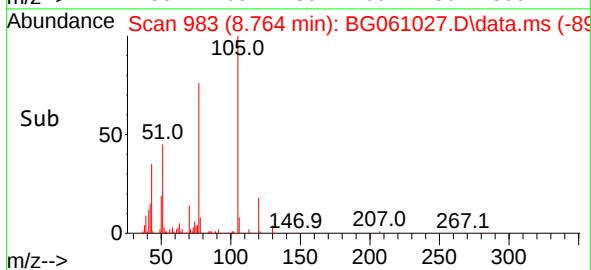
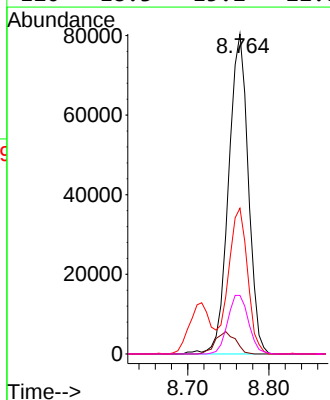
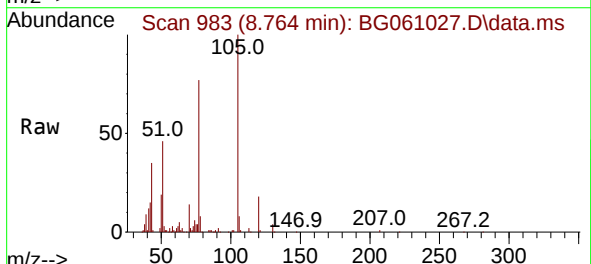
Manual Integrations
APPROVED

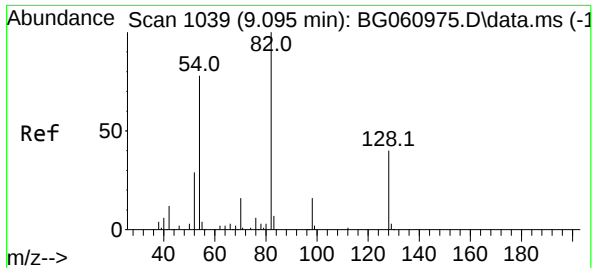
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#22
Acetophenone
Concen: 39.720 ng
RT: 8.764 min Scan# 983
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Tgt Ion:105 Resp: 135202
Ion Ratio Lower Upper
105 100
71 2.4 2.5 3.7#
51 45.6 37.8 56.6
120 18.3 15.2 22.8





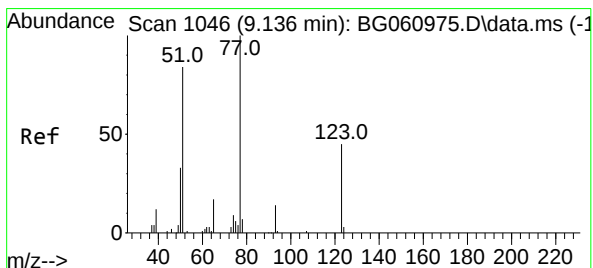
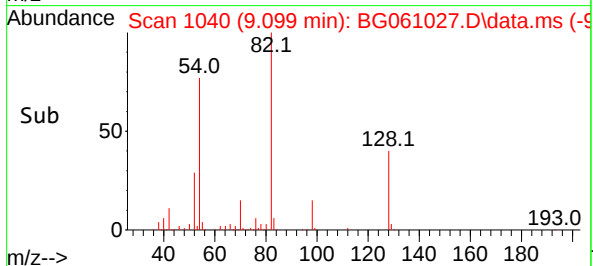
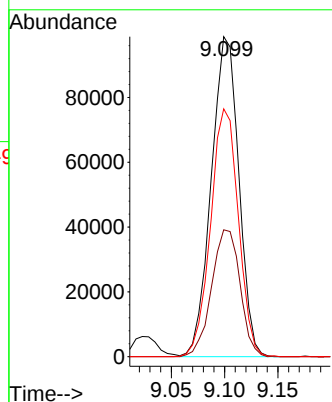
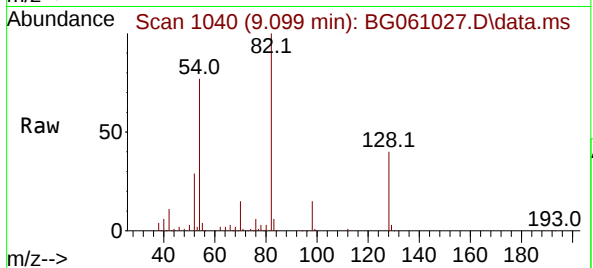
#23
Nitrobenzene-d5
Concen: 65.457 ng
RT: 9.099 min Scan# 1040
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion: 82 Resp: 177590
Ion Ratio Lower Upper
82 100
128 39.7 32.1 48.1
54 77.4 62.3 93.5

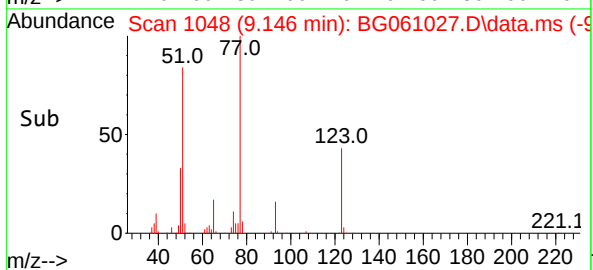
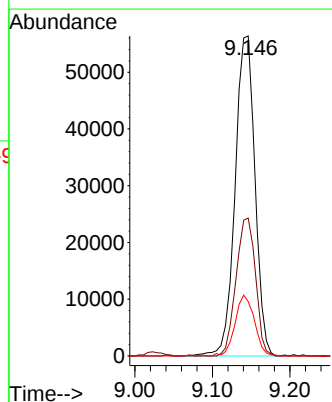
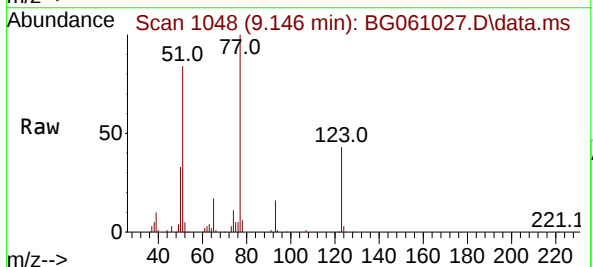
Manual Integrations
APPROVED

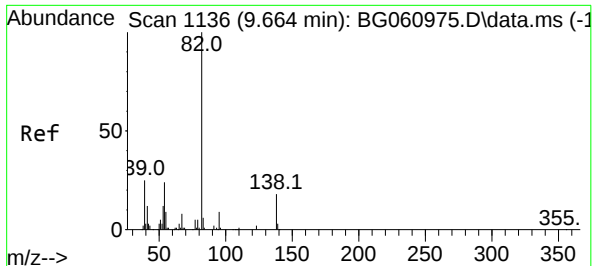
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#24
Nitrobenzene
Concen: 38.520 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.010 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

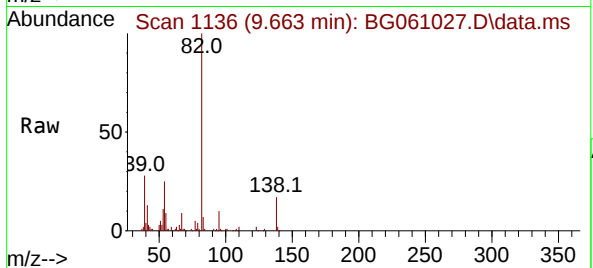
Tgt Ion: 77 Resp: 100426
Ion Ratio Lower Upper
77 100
123 43.1 35.9 53.9
65 17.0 13.3 19.9





#25
Isophorone
Concen: 37.954 ng
RT: 9.663 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

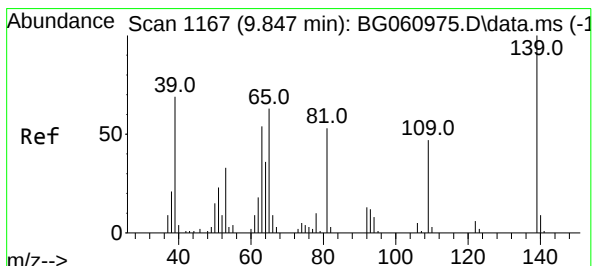
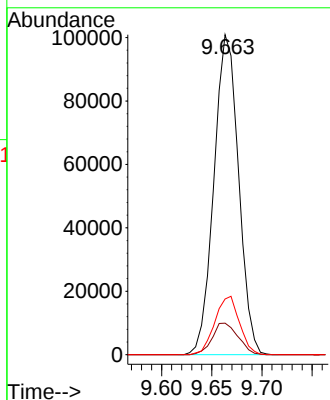
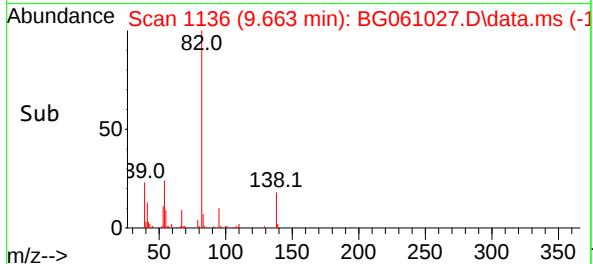
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion: 82 Resp: 17233
Ion Ratio Lower Upper
82 100
95 9.8 7.6 11.4
138 17.4 14.2 21.2

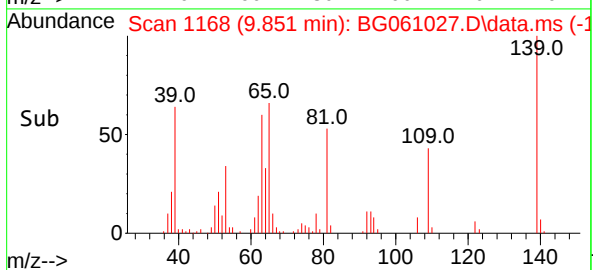
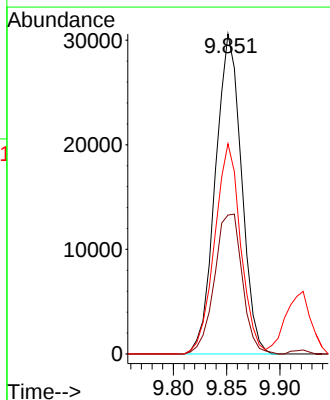
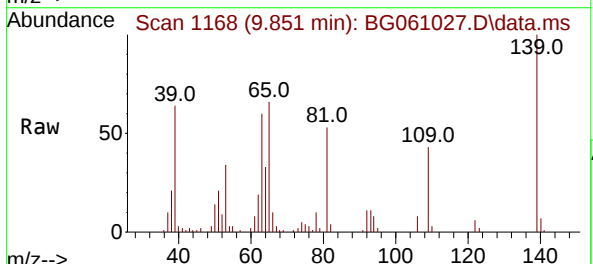
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 42.408 ng
RT: 9.851 min Scan# 1168
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Tgt Ion:139 Resp: 51964
Ion Ratio Lower Upper
139 100
109 43.4 37.4 56.2
65 65.7 50.4 75.6





#27

2,4-Dimethylphenol

Concen: 32.271 ng

RT: 9.916 min Scan# 1178

Delta R.T. 0.005 min

Lab File: BG061027.D

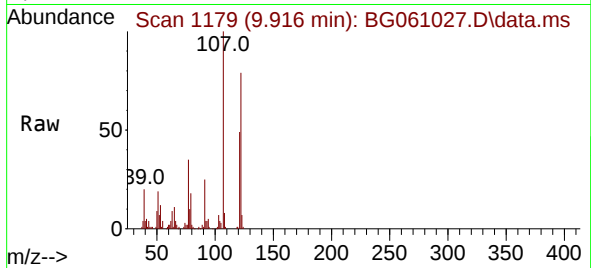
Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD



Tgt Ion:122 Resp: 63380

Ion Ratio Lower Upper

122 100

107 127.1 98.7 148.1

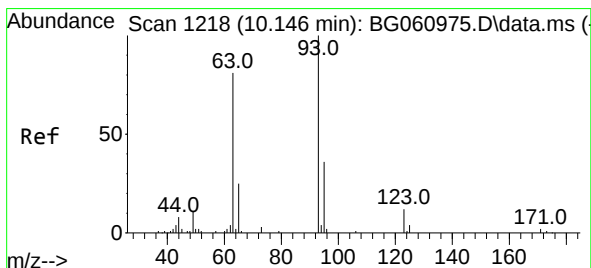
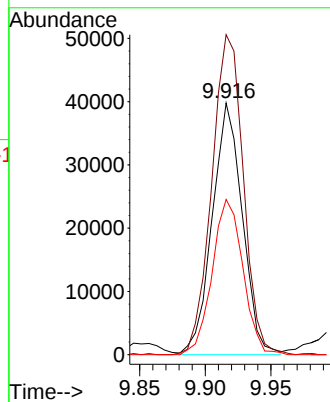
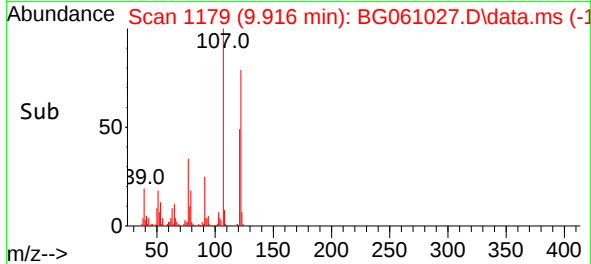
121 61.7 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.053 ng

RT: 10.145 min Scan# 1218

Delta R.T. -0.001 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

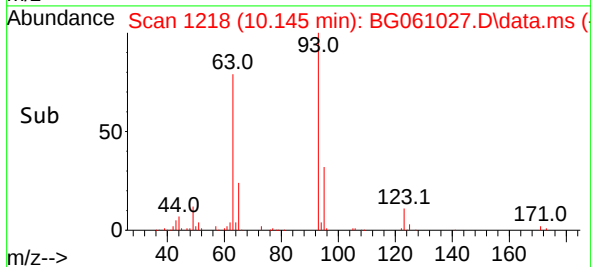
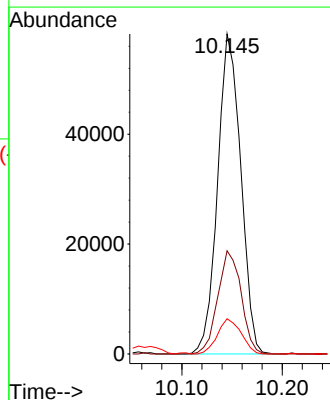
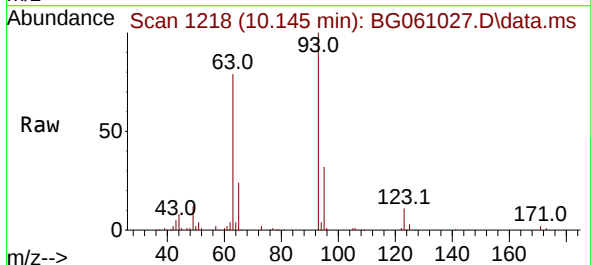
Tgt Ion: 93 Resp: 93281

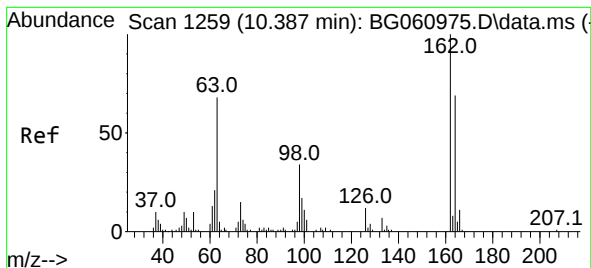
Ion Ratio Lower Upper

93 100

95 32.2 28.8 43.2

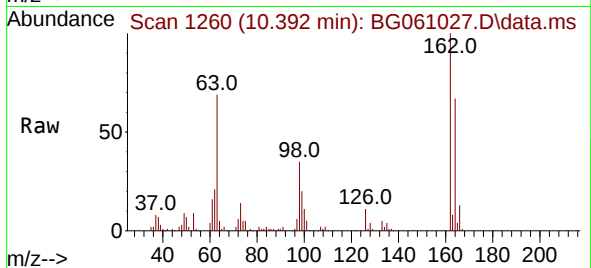
123 11.0 9.8 14.6





#29
2,4-Dichlorophenol
Concen: 41.967 ng
RT: 10.392 min Scan# 1259
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

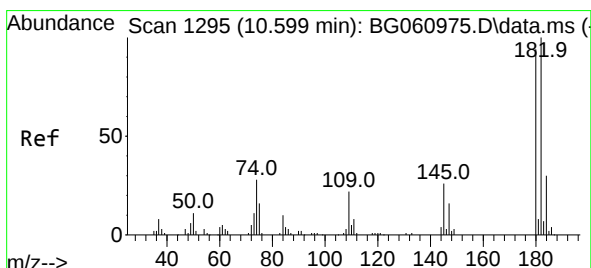
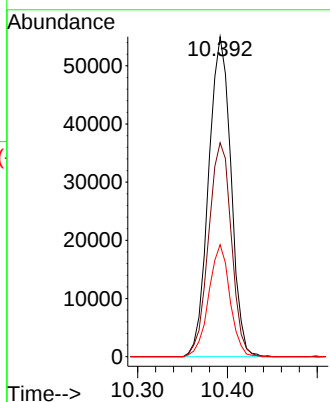
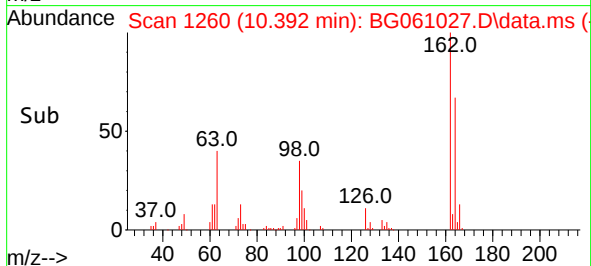
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:162 Resp: 95128
Ion Ratio Lower Upper
162 100
164 66.8 49.0 89.0
98 35.0 14.3 54.3

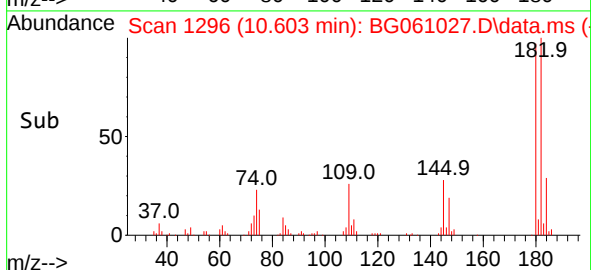
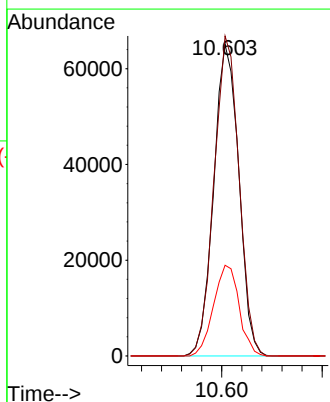
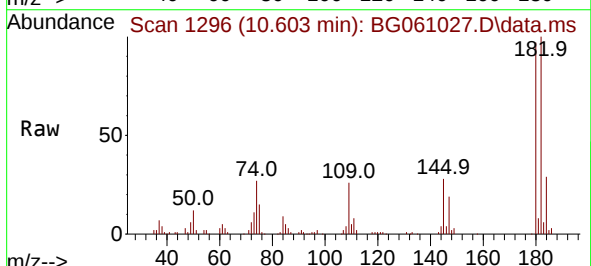
Manual Integrations
APPROVED

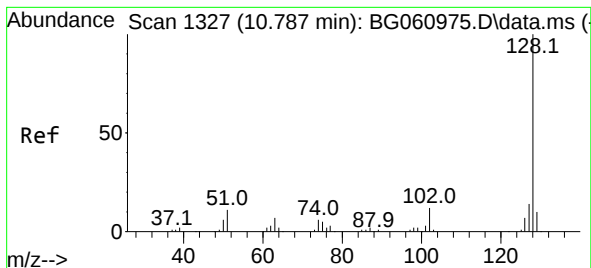
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#30
1,2,4-Trichlorobenzene
Concen: 45.233 ng
RT: 10.603 min Scan# 1296
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

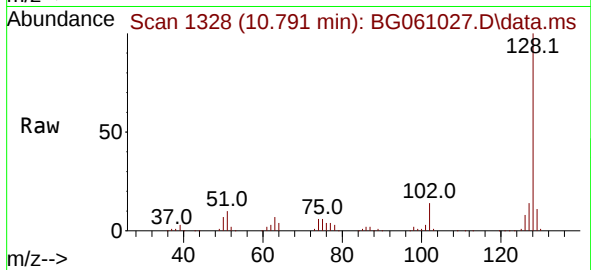
Tgt Ion:180 Resp: 113127
Ion Ratio Lower Upper
180 100
182 102.7 85.4 128.2
145 29.1 22.6 33.8





#31
Naphthalene
Concen: 41.444 ng
RT: 10.791 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

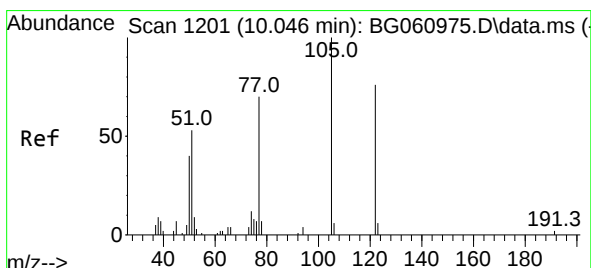
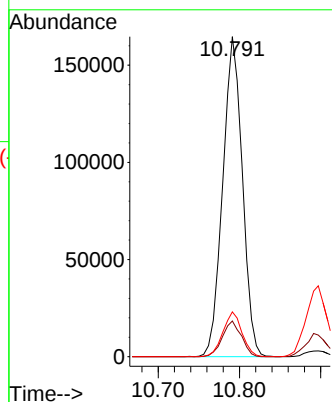
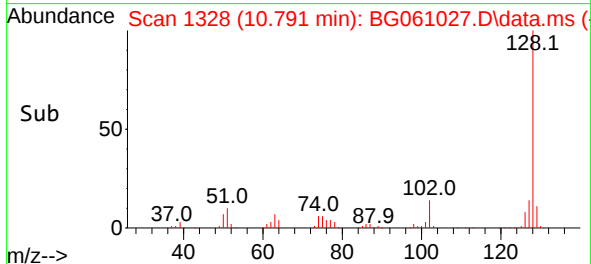
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



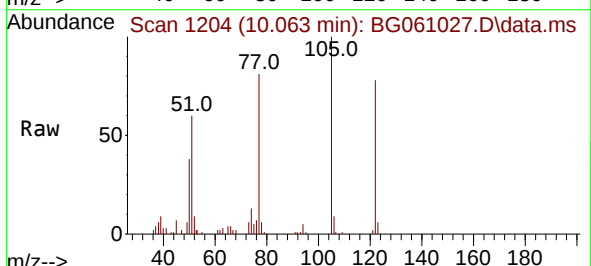
Tgt Ion:128 Resp: 276580
Ion Ratio Lower Upper
128 100
129 11.2 8.2 12.4
127 14.0 11.4 17.2

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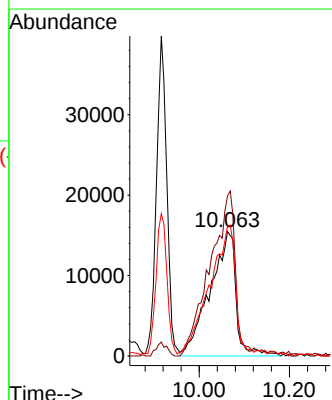
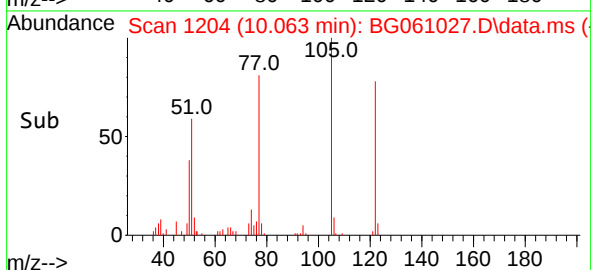
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

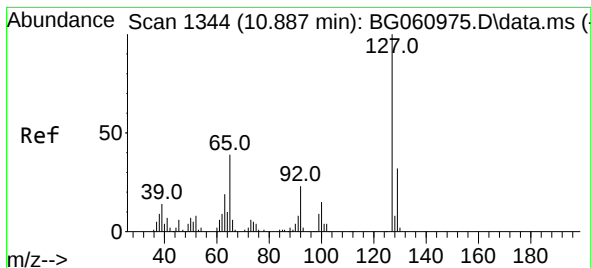


#32
Benzoic acid
Concen: 41.463 ng m
RT: 10.063 min Scan# 1204
Delta R.T. 0.016 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



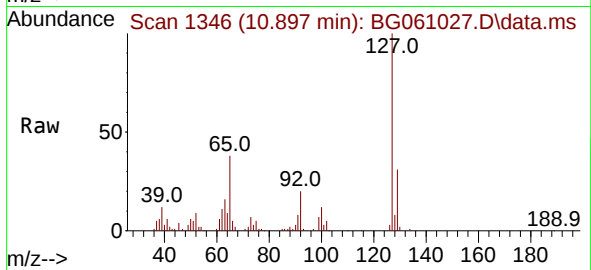
Tgt Ion:122 Resp: 62047
Ion Ratio Lower Upper
122 100
105 128.7 106.2 146.2
77 104.5 70.1 110.1





#33
4-Chloroaniline
Concen: 21.862 ng
RT: 10.897 min Scan# 11
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

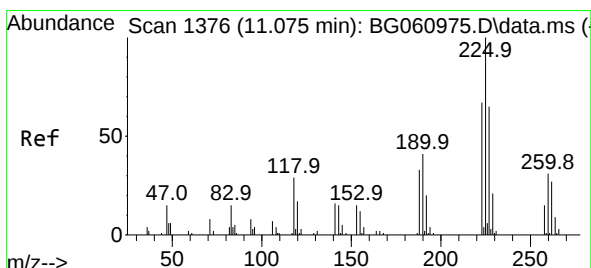
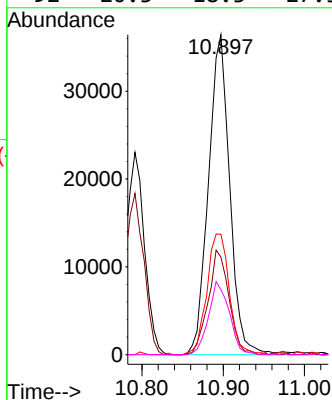
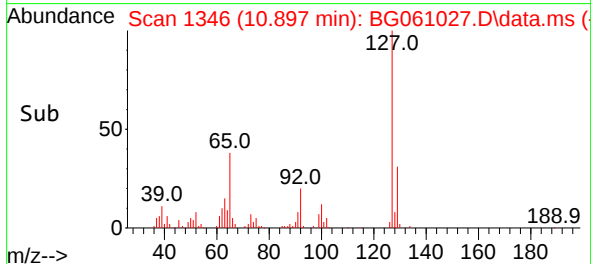
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



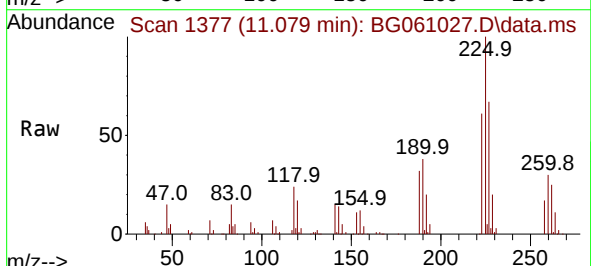
Tgt Ion:127 Resp: 6627
Ion Ratio Lower Upper
127 100
129 30.5 25.7 38.5
65 37.7 31.4 47.0
92 20.3 18.3 27.5

Manual Integrations
APPROVED

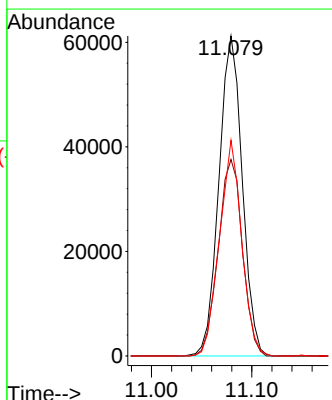
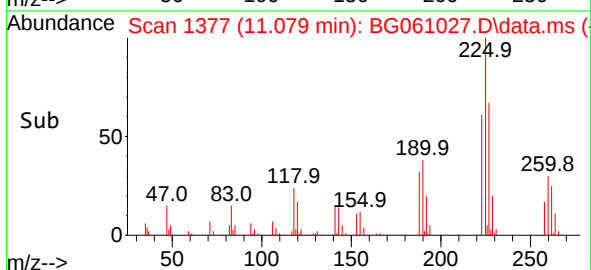
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

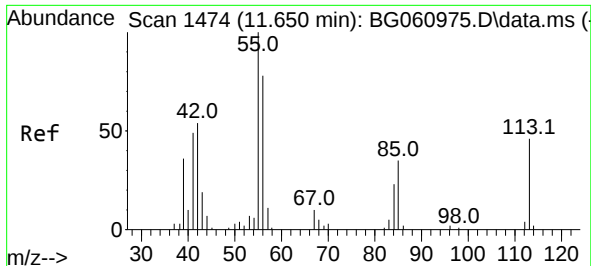


#34
Hexachlorobutadiene
Concen: 44.895 ng
RT: 11.079 min Scan# 1377
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



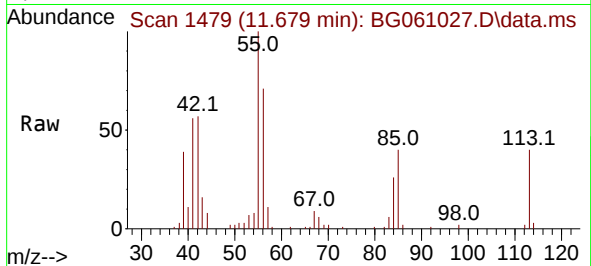
Tgt Ion:225 Resp: 98746
Ion Ratio Lower Upper
225 100
223 61.4 53.2 79.8
227 67.4 51.9 77.9





#35
 Caprolactam
 Concen: 34.421 ng m
 RT: 11.679 min Scan# 1474
 Delta R.T. 0.028 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06

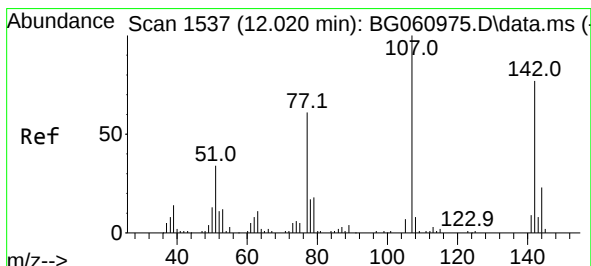
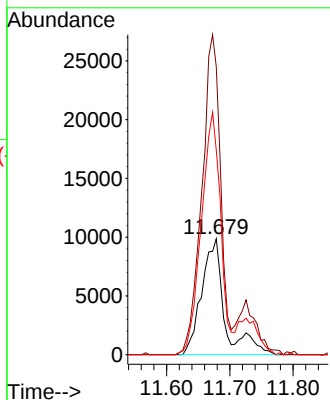
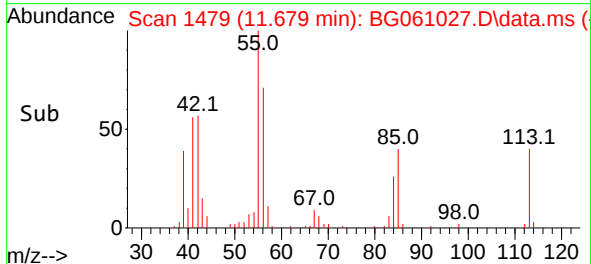
Instrument :
 BNA_G
 ClientSampleId :
 EXCAVATION-SOILMSD



Tgt Ion:113 Resp: 24852
 Ion Ratio Lower Upper
 113 100
 55 248.6 197.9 237.9
 56 176.4 151.1 191.1

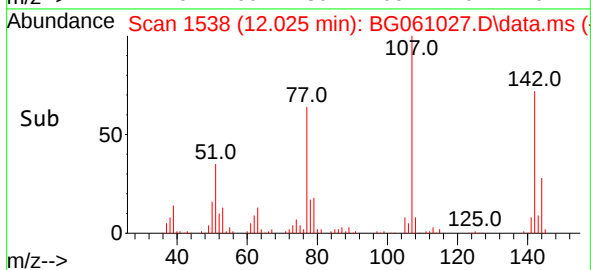
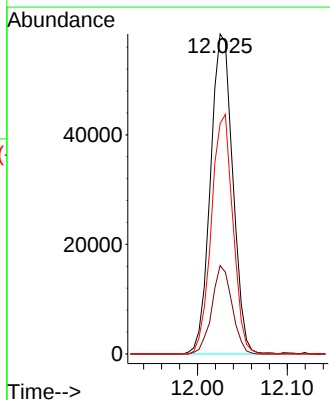
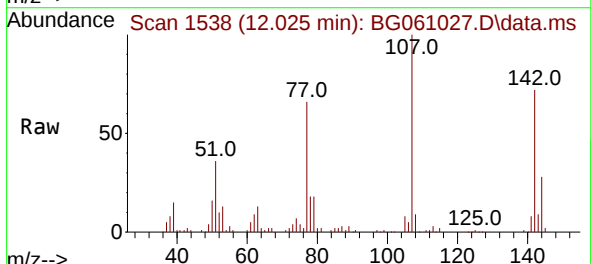
Manual Integrations
 APPROVED

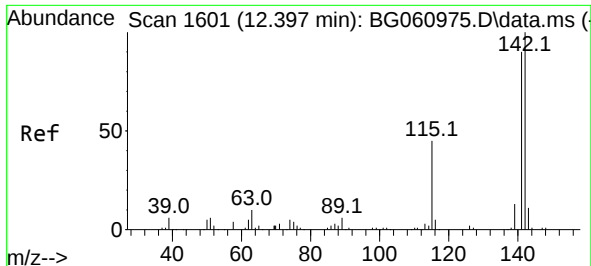
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#36
 4-Chloro-3-methylphenol
 Concen: 38.124 ng
 RT: 12.025 min Scan# 1538
 Delta R.T. 0.005 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06

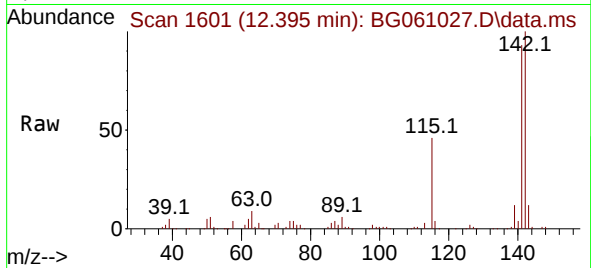
Tgt Ion:107 Resp: 100787
 Ion Ratio Lower Upper
 107 100
 144 27.6 18.5 27.7
 142 72.0 61.4 92.0





#37
2-Methylnaphthalene
Concen: 35.520 ng
RT: 12.395 min Scan# 1601
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

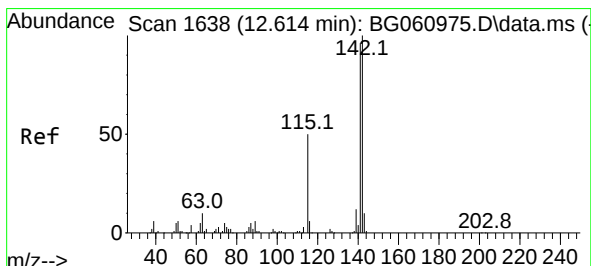
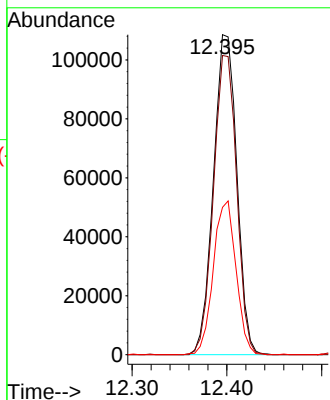
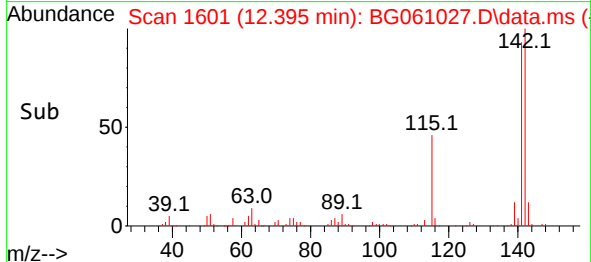
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



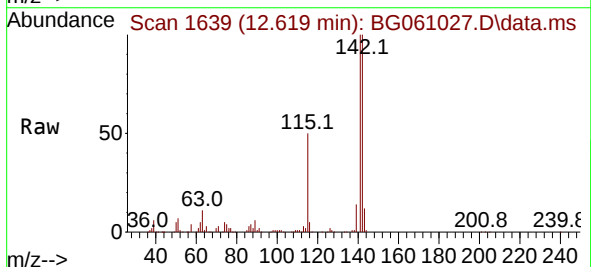
Tgt Ion:142 Resp: 18638
Ion Ratio Lower Upper
142 100
141 93.5 72.2 108.4
115 46.1 35.9 53.9

Manual Integrations
APPROVED

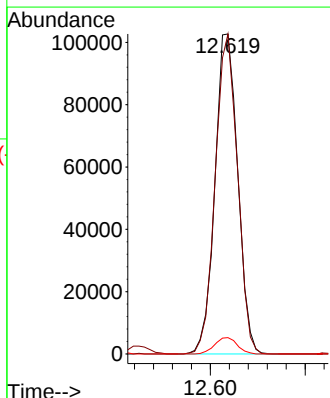
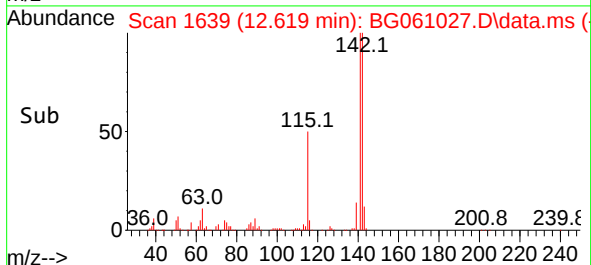
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

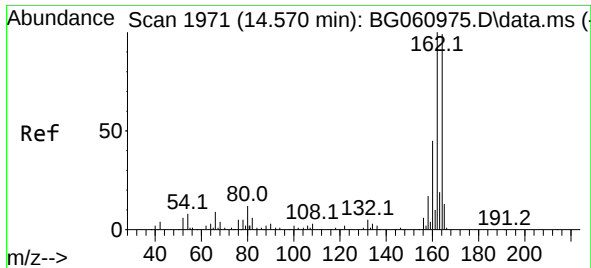


#38
1-Methylnaphthalene
Concen: 35.065 ng
RT: 12.619 min Scan# 1639
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



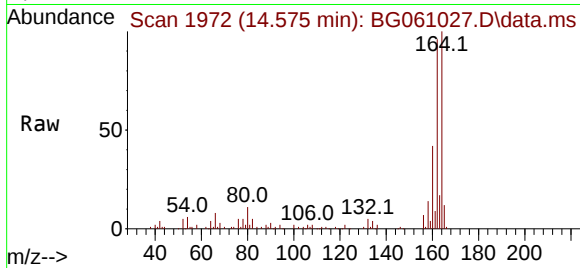
Tgt Ion:142 Resp: 171703
Ion Ratio Lower Upper
142 100
141 100.0 76.8 115.2
116 5.1 4.4 6.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1971
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

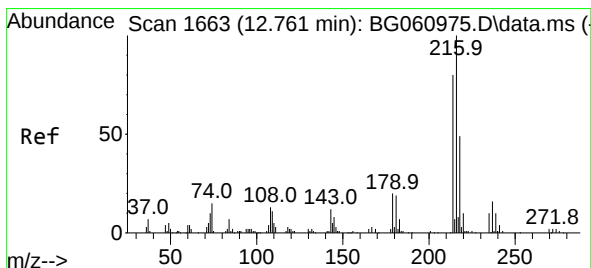
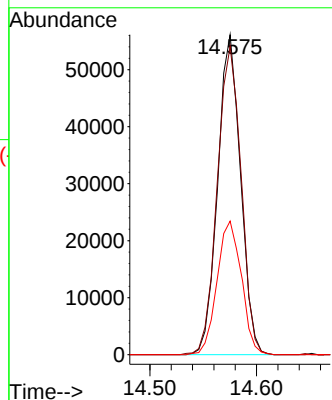
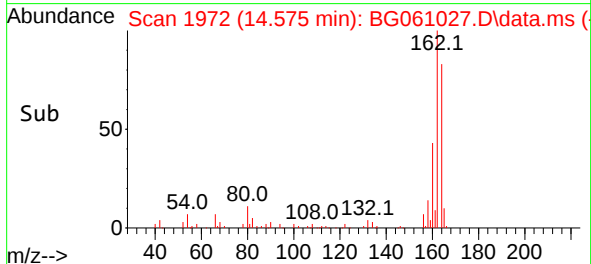
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



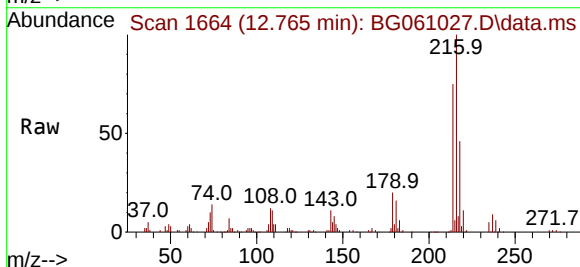
Tgt Ion:164 Resp: 83358
Ion Ratio Lower Upper
164 100
162 96.3 81.2 121.8
160 41.7 36.2 54.2

Manual Integrations
APPROVED

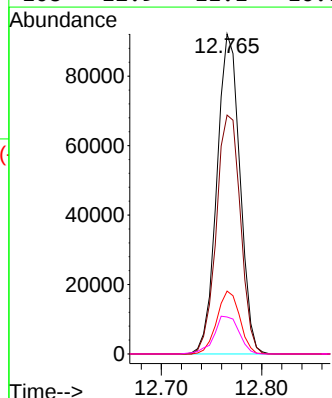
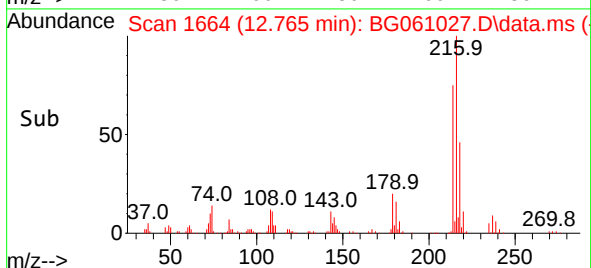
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

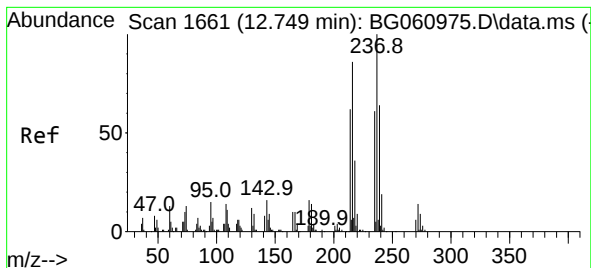


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.401 ng
RT: 12.765 min Scan# 1664
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



Tgt Ion:216 Resp: 146341
Ion Ratio Lower Upper
216 100
214 78.2 63.3 94.9
179 19.6 15.2 22.8
108 12.9 11.1 16.7





#41

Hexachlorocyclopentadiene

Concen: 34.758 ng

RT: 12.748 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG061027.D

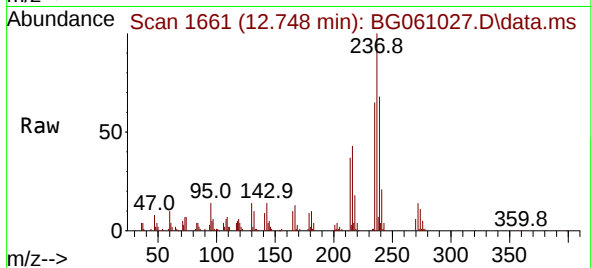
Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD



Tgt Ion: 237 Resp: 60584

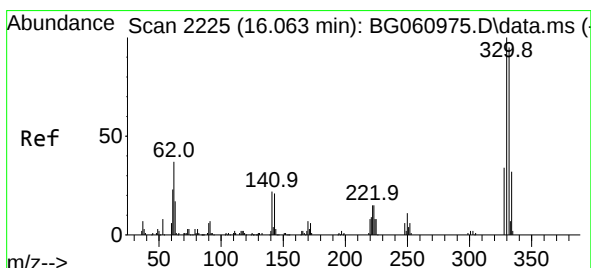
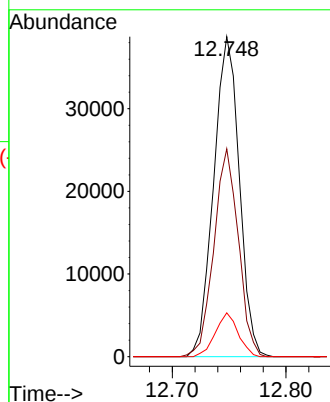
Ion	Ratio	Lower	Upper
237	100		
235	65.0	40.7	80.7
272	13.7	0.0	34.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#42

2,4,6-Tribromophenol

Concen: 102.293 ng

RT: 16.067 min Scan# 2226

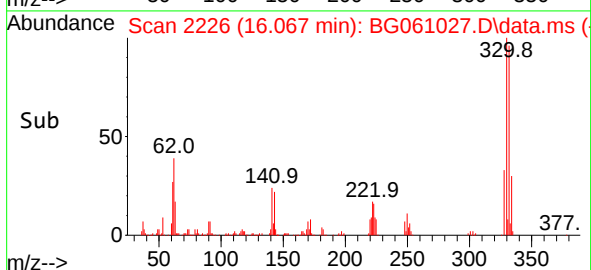
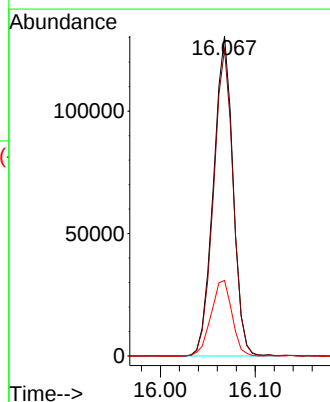
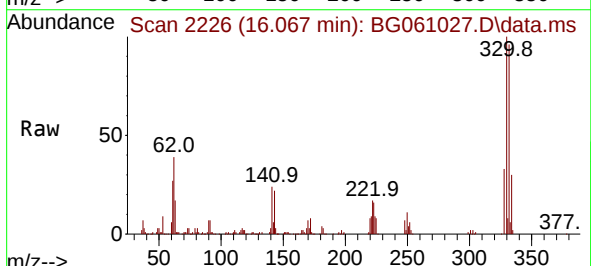
Delta R.T. 0.004 min

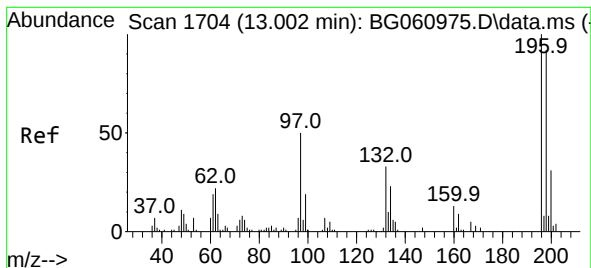
Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion: 330 Resp: 187246

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	25.2	20.6	31.0





#43

2,4,6-Trichlorophenol

Concen: 44.948 ng

RT: 13.006 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion:196 Resp: 8752

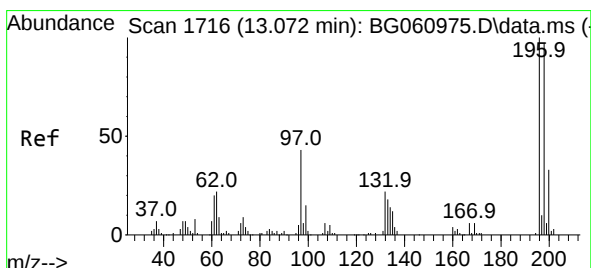
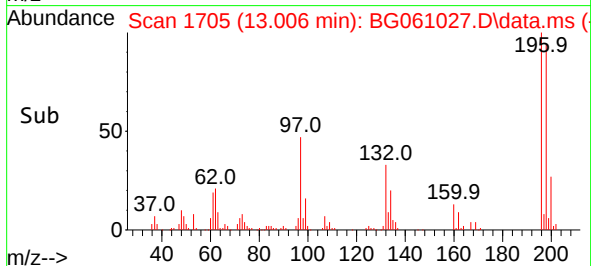
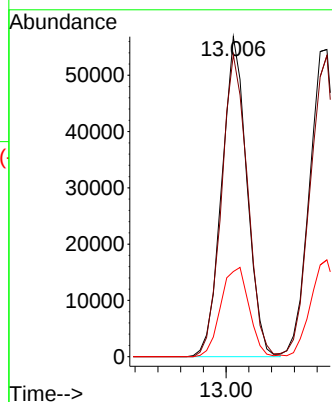
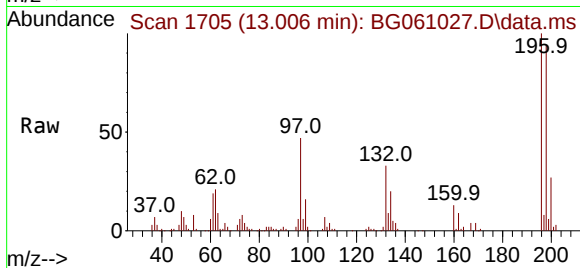
Ion	Ratio	Lower	Upper
196	100		
198	94.4	73.5	110.3
200	26.6	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#44

2,4,5-Trichlorophenol

Concen: 40.561 ng

RT: 13.089 min Scan# 1719

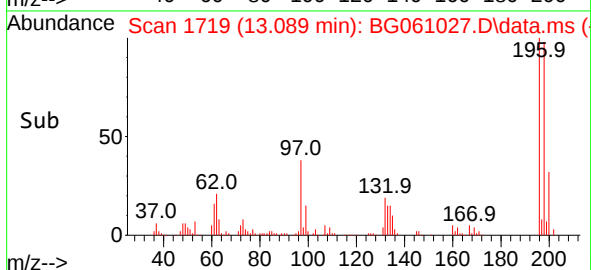
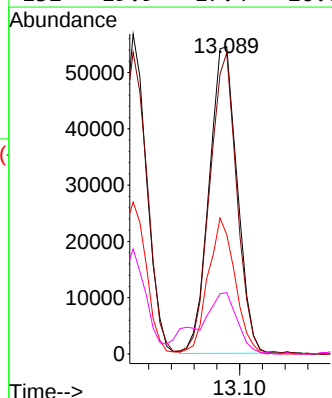
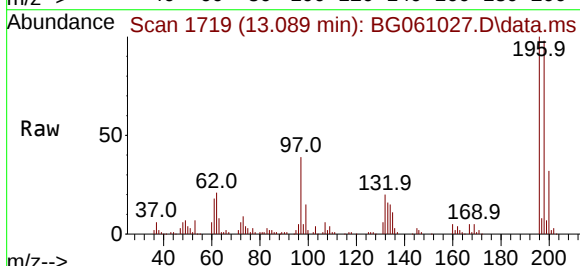
Delta R.T. 0.016 min

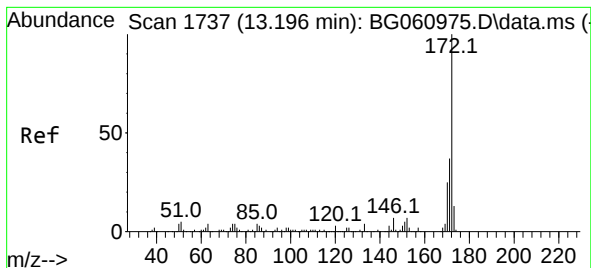
Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion:196 Resp: 93430

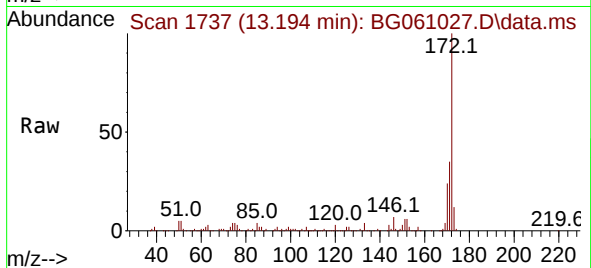
Ion	Ratio	Lower	Upper
196	100		
198	98.0	77.7	116.5
97	38.8	34.2	51.4
132	19.9	17.4	26.0





#45
2-Fluorobiphenyl
Concen: 68.248 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

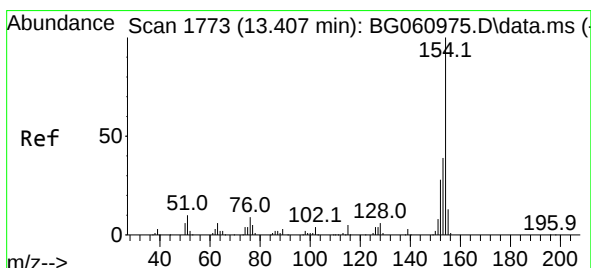
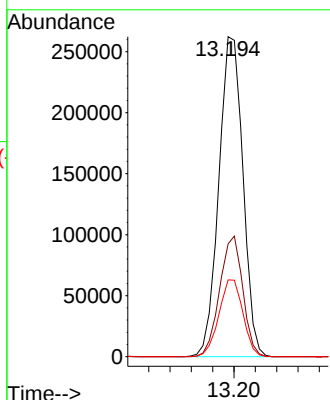
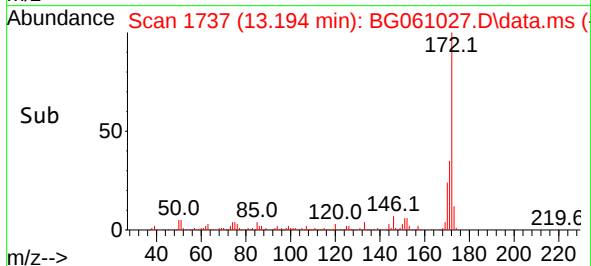
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



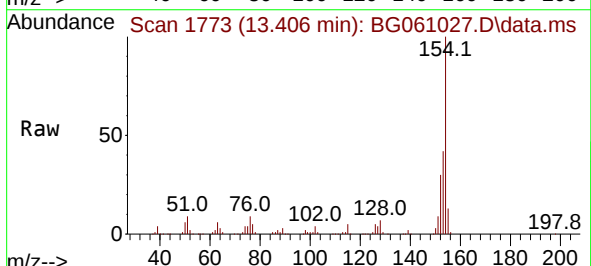
Tgt Ion:172 Resp: 411050
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 24.0 20.1 30.1

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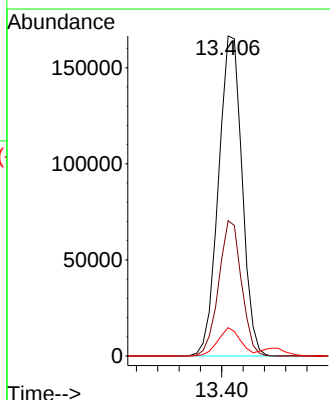
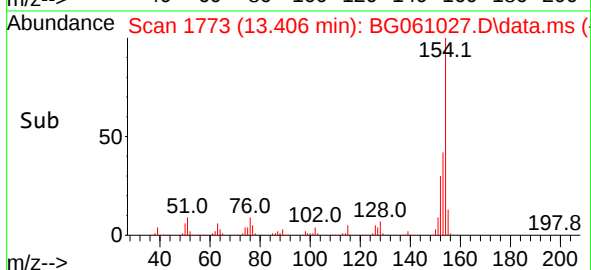
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

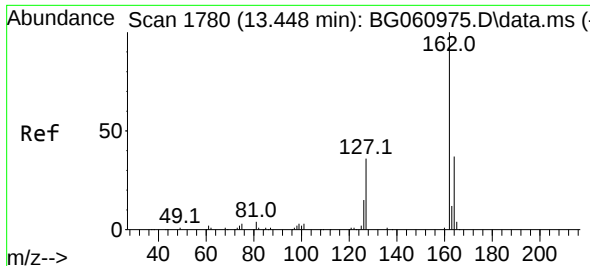


#46
1,1'-Biphenyl
Concen: 45.439 ng
RT: 13.406 min Scan# 1773
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



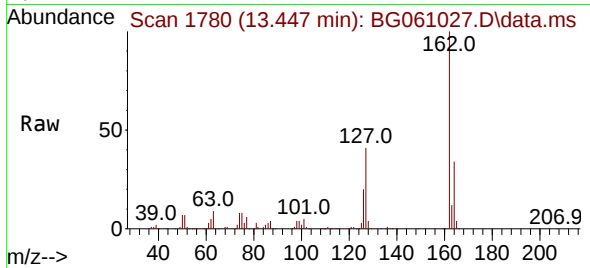
Tgt Ion:154 Resp: 255136
Ion Ratio Lower Upper
154 100
153 42.3 19.4 59.4
76 8.8 0.0 28.6





#47
2-Chloronaphthalene
Concen: 46.098 ng
RT: 13.447 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

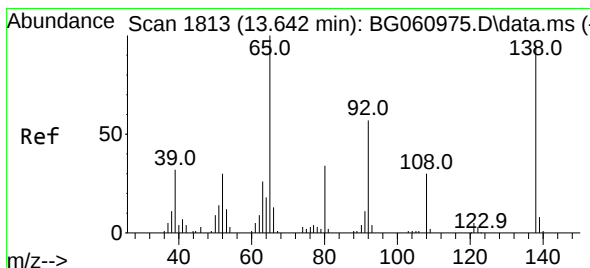
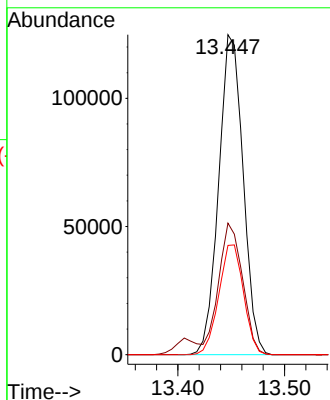
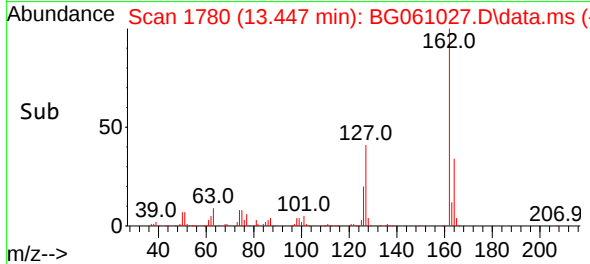
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:162 Resp: 198460
Ion Ratio Lower Upper
162 100
127 41.1 32.6 49.0
164 34.2 29.9 44.9

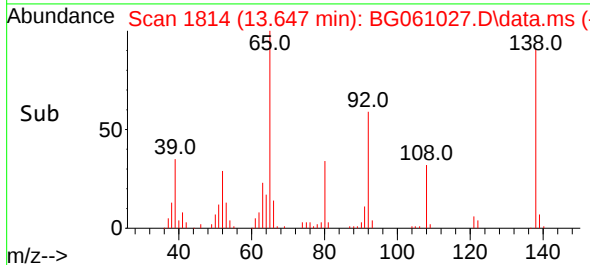
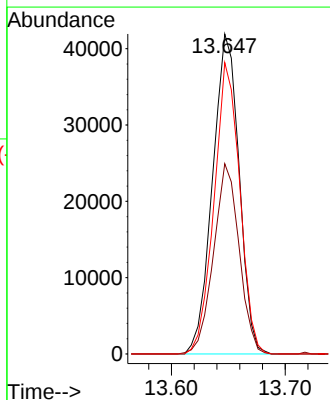
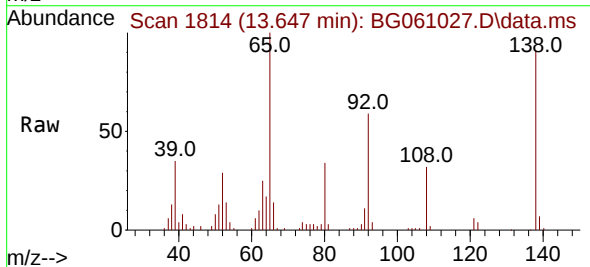
Manual Integrations
APPROVED

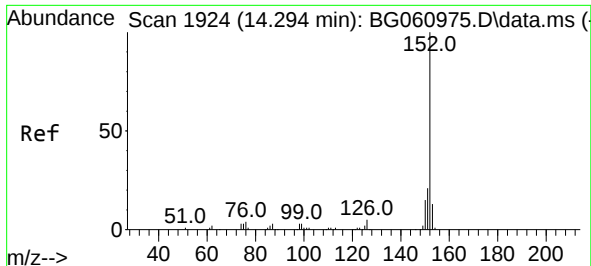
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#48
2-Nitroaniline
Concen: 39.088 ng
RT: 13.647 min Scan# 1814
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

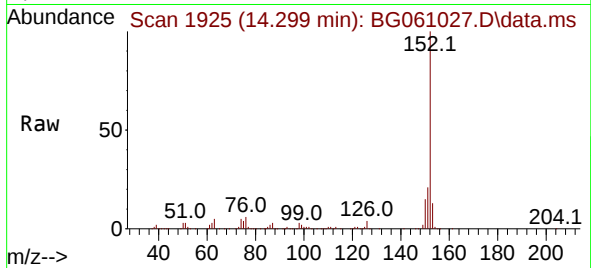
Tgt Ion: 65 Resp: 67916
Ion Ratio Lower Upper
65 100
92 59.4 45.4 68.2
138 91.1 75.8 113.6





#49
Acenaphthylene
Concen: 45.479 ng
RT: 14.299 min Scan# 1925
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

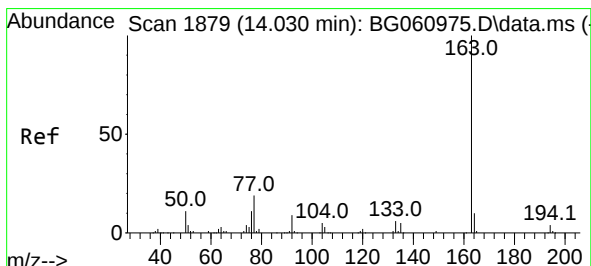
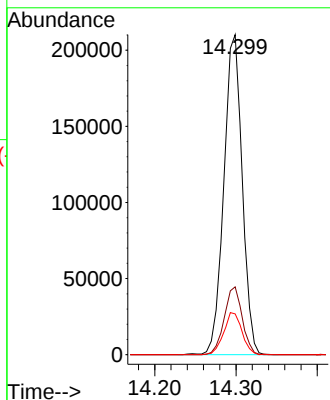
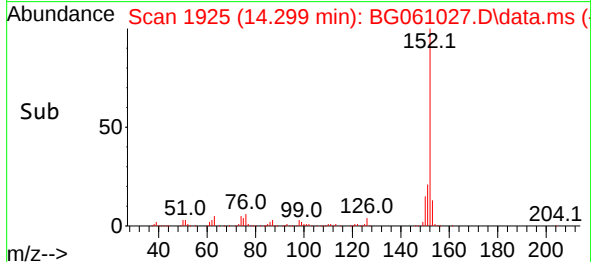
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



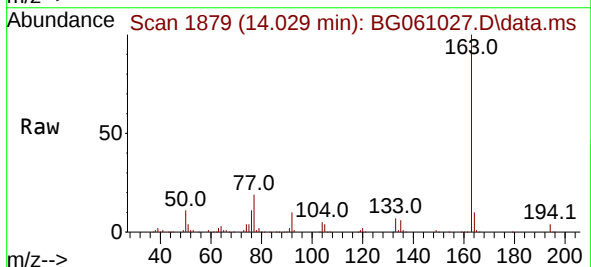
Tgt Ion:152 Resp: 329750
Ion Ratio Lower Upper
152 100
151 21.2 16.6 25.0
153 12.8 10.7 16.1

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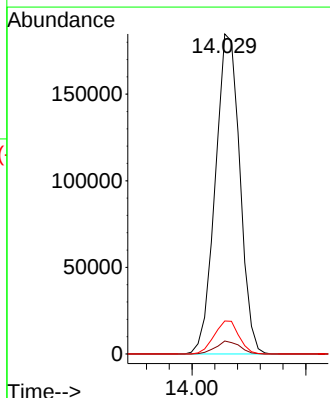
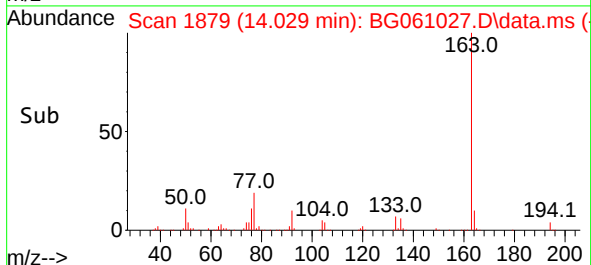
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

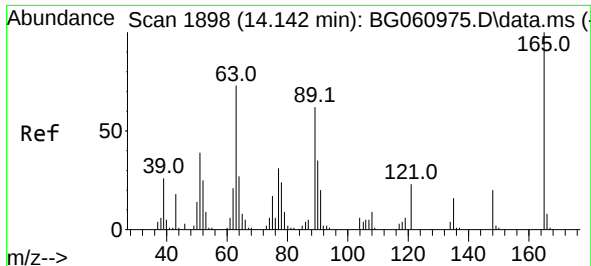


#50
Dimethylphthalate
Concen: 40.238 ng
RT: 14.029 min Scan# 1879
Delta R.T. -0.001 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



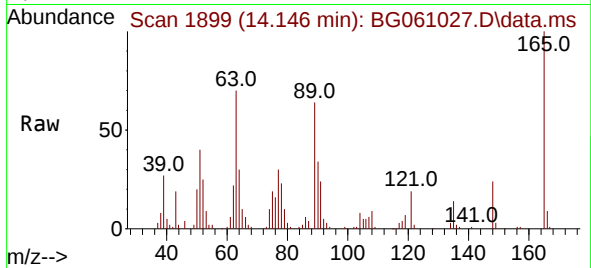
Tgt Ion:163 Resp: 276589
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.3 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 40.443 ng
RT: 14.146 min Scan# 1899
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

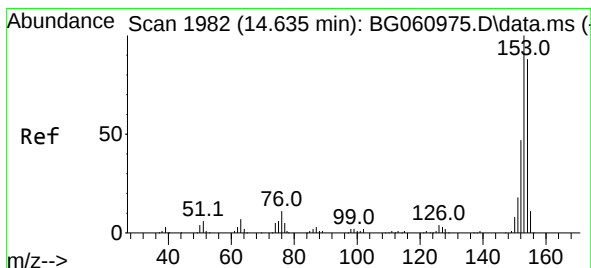
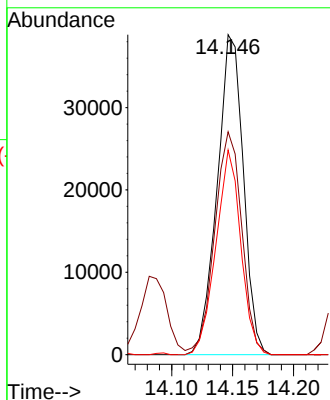
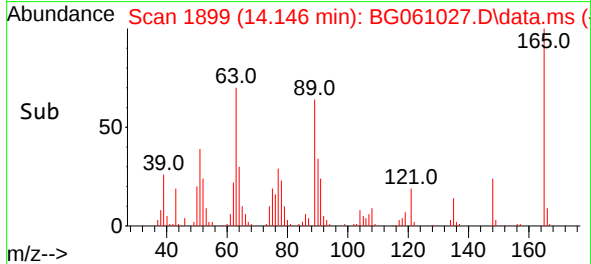
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



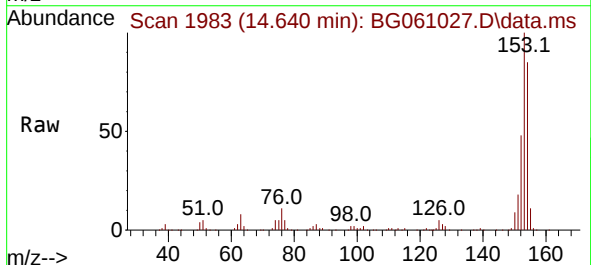
Tgt Ion:165 Resp: 58000
Ion Ratio Lower Upper
165 100
63 69.7 59.6 89.4
89 64.0 49.4 74.0

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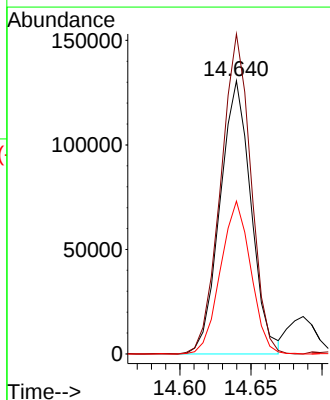
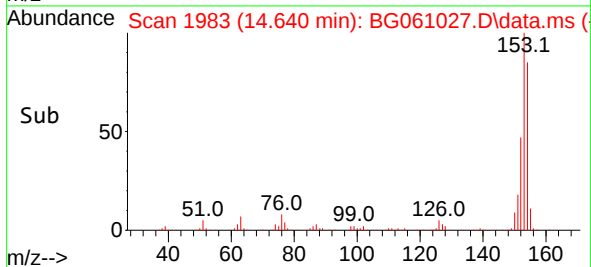
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

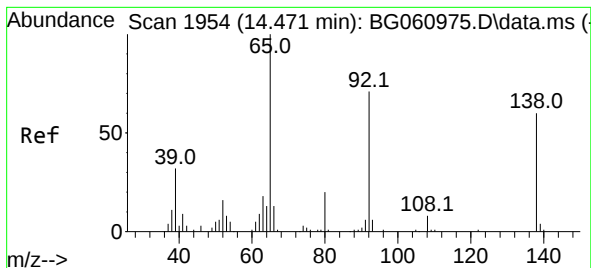


#52
Acenaphthene
Concen: 45.032 ng
RT: 14.640 min Scan# 1983
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



Tgt Ion:154 Resp: 198394
Ion Ratio Lower Upper
154 100
153 117.2 91.2 136.8
152 55.9 42.7 64.1





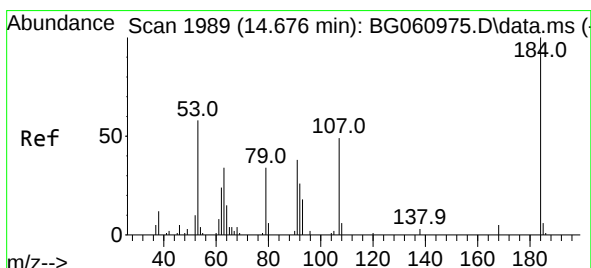
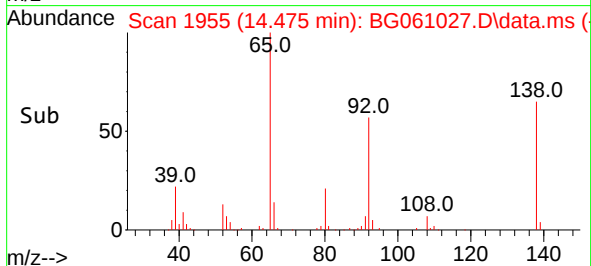
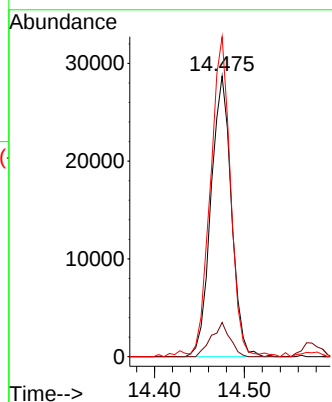
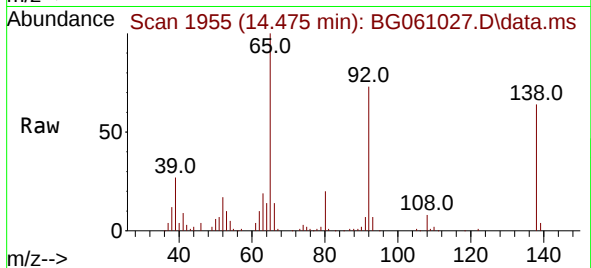
#53
3-Nitroaniline
Concen: 32.059 ng
RT: 14.475 min Scan# 1954
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:138 Resp: 45340
Ion Ratio Lower Upper
138 100
108 12.2 10.1 15.1
92 114.0 94.6 141.8

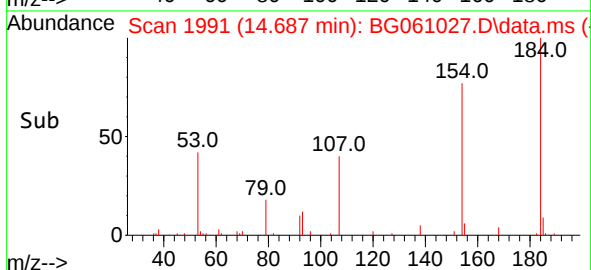
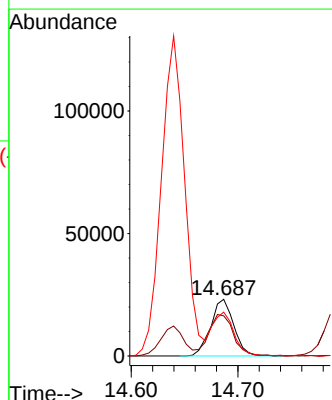
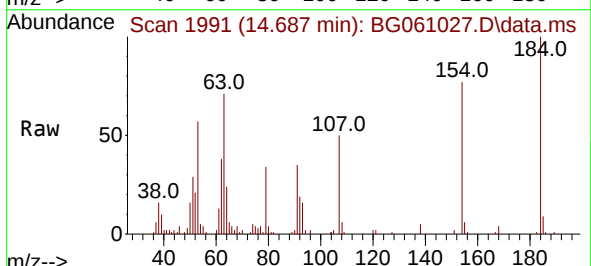
Manual Integrations
APPROVED

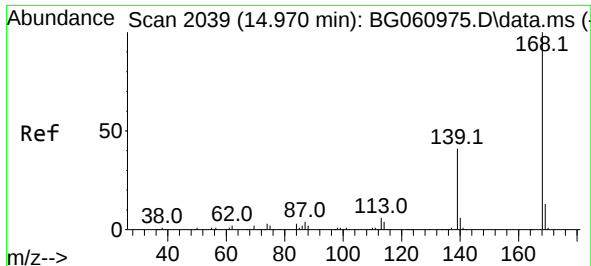
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#54
2,4-Dinitrophenol
Concen: 40.071 ng
RT: 14.687 min Scan# 1991
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

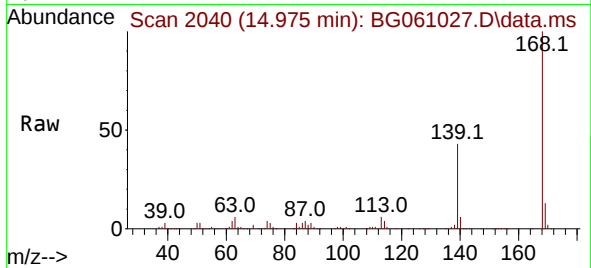
Tgt Ion:184 Resp: 34653
Ion Ratio Lower Upper
184 100
63 70.9 59.0 88.6
154 77.3 61.2 91.8





#55
Dibenzenofuran
Concen: 43.129 ng
RT: 14.975 min Scan# 20
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

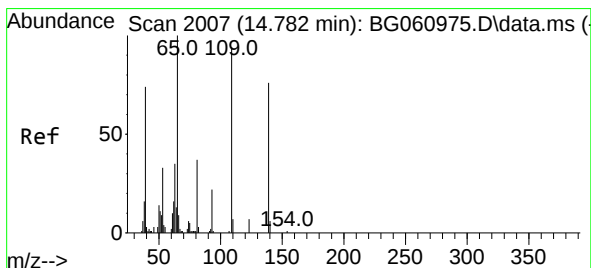
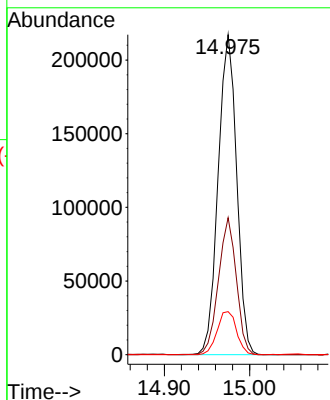
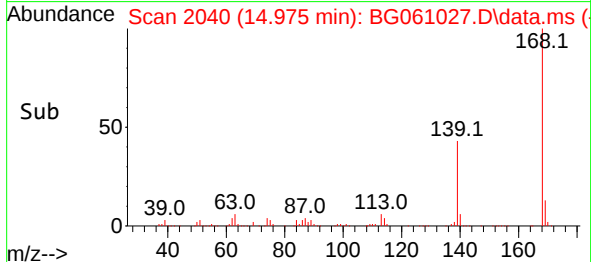
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:168 Resp: 328114
Ion Ratio Lower Upper
168 100
139 42.8 32.4 48.6
169 13.5 10.6 15.8

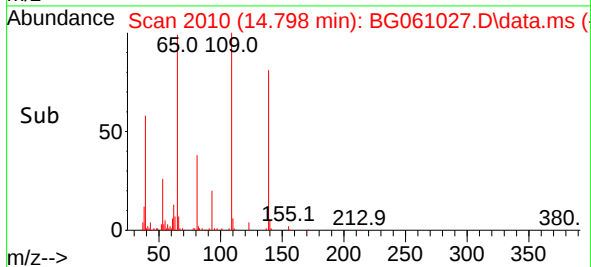
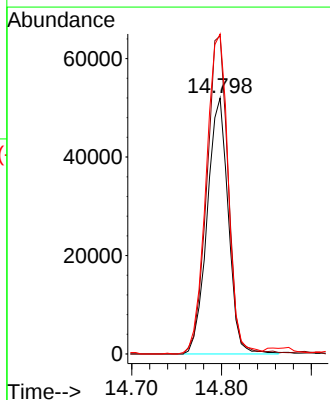
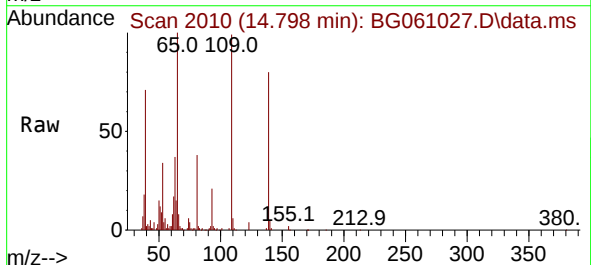
Manual Integrations
APPROVED

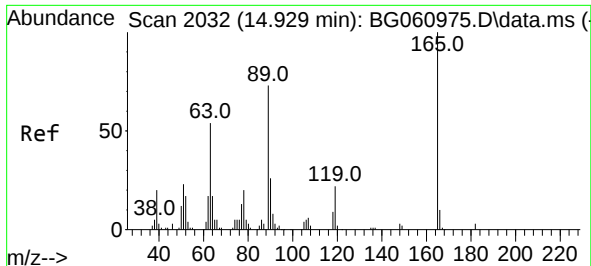
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#56
4-Nitrophenol
Concen: 83.654 ng
RT: 14.798 min Scan# 2010
Delta R.T. 0.016 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

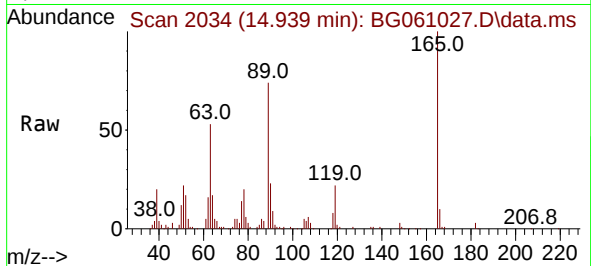
Tgt Ion:139 Resp: 84758
Ion Ratio Lower Upper
139 100
109 124.2 104.1 144.1
65 125.0 112.0 152.0





#57
2,4-Dinitrotoluene
Concen: 39.383 ng
RT: 14.939 min Scan# 2032
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

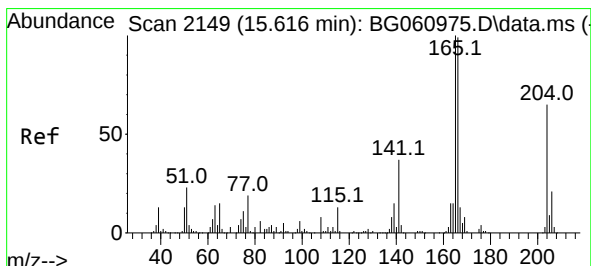
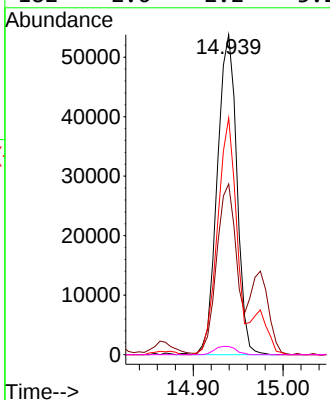
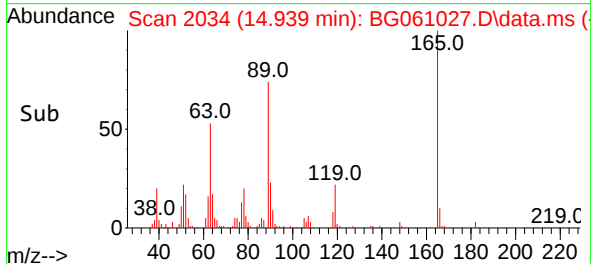
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:165 Resp: 81352
Ion Ratio Lower Upper
165 100
63 53.4 43.4 65.2
89 74.0 58.4 87.6
182 2.6 2.2 3.2

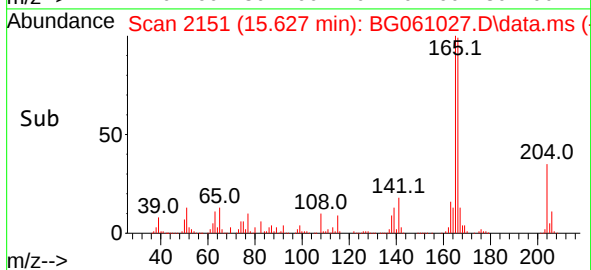
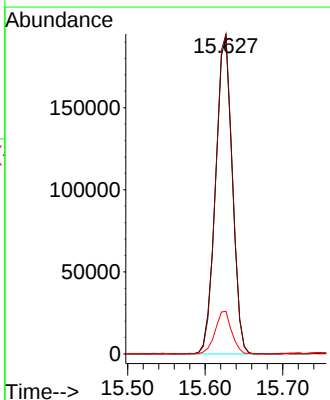
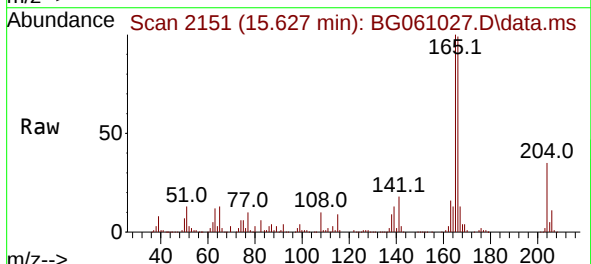
Manual Integrations
APPROVED

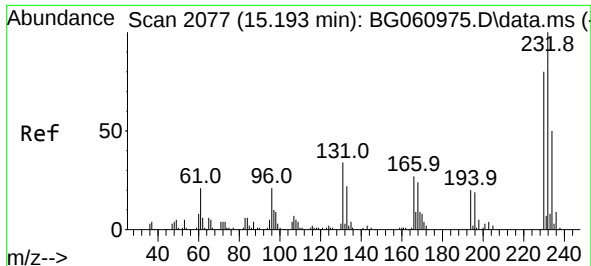
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#58
Fluorene
Concen: 45.089 ng
RT: 15.627 min Scan# 2151
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

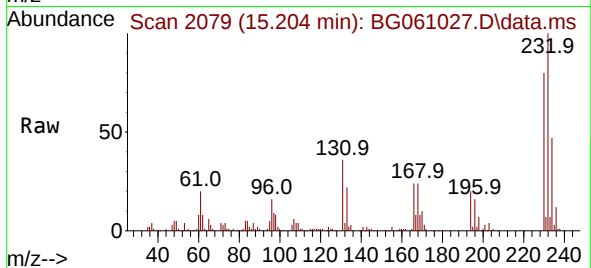
Tgt Ion:166 Resp: 289526
Ion Ratio Lower Upper
166 100
165 100.8 80.9 121.3
167 13.5 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.113 ng
RT: 15.204 min Scan# 2079
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

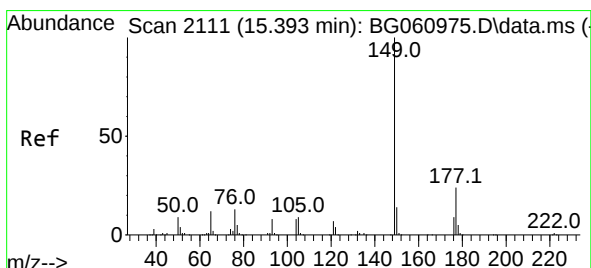
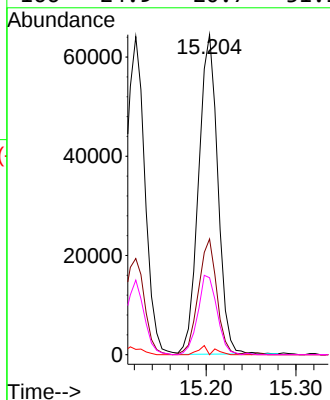
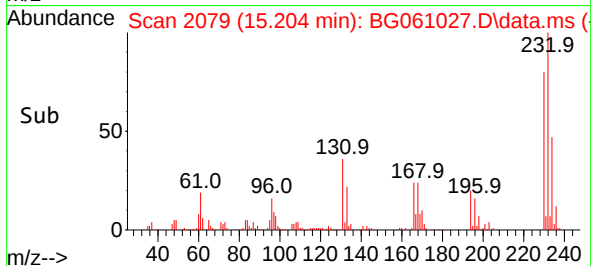
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



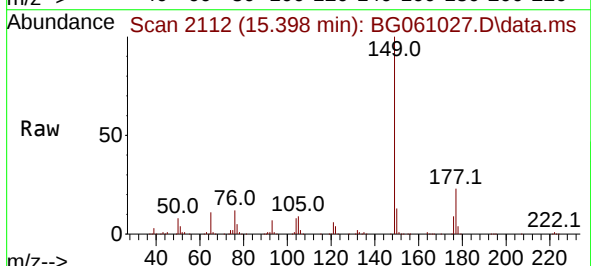
Tgt Ion:232 Resp: 95580
Ion Ratio Lower Upper
232 100
131 34.8 27.4 41.0
130 2.0 1.5 2.3
166 24.9 20.7 31.1

Manual Integrations
APPROVED

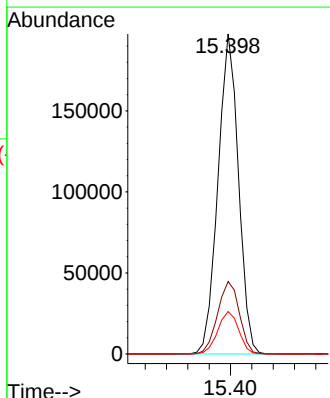
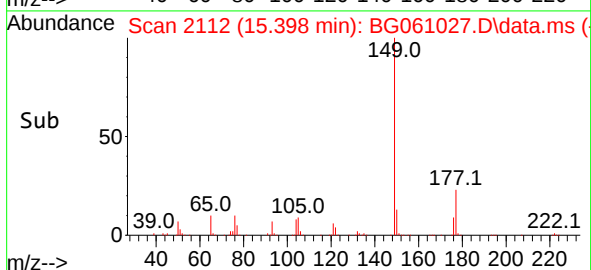
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

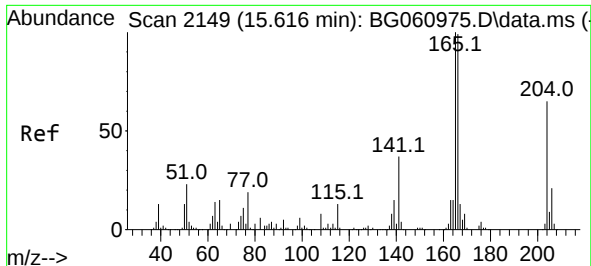


#60
Diethylphthalate
Concen: 38.820 ng
RT: 15.398 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



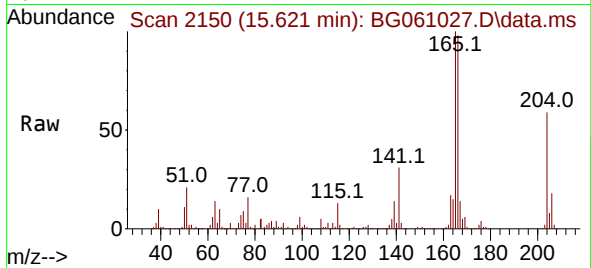
Tgt Ion:149 Resp: 262790
Ion Ratio Lower Upper
149 100
177 22.7 18.8 28.2
150 13.3 11.2 16.8





#61
4-Chlorophenyl-phenylether
Concen: 39.571 ng
RT: 15.621 min Scan# 2150
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

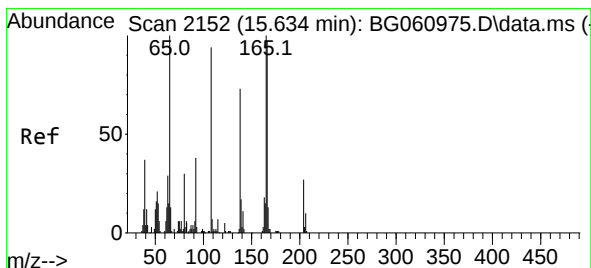
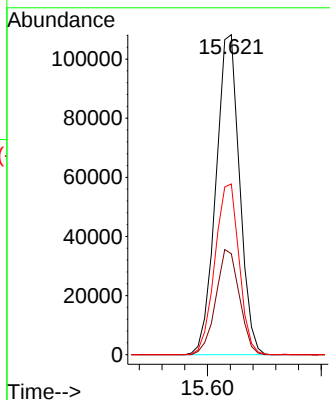
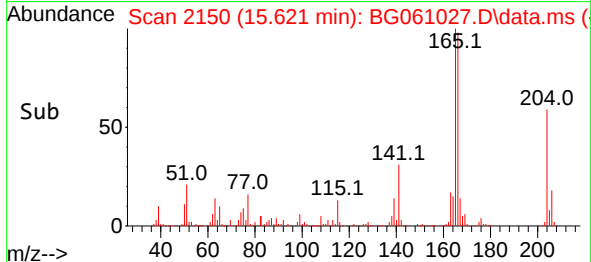
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



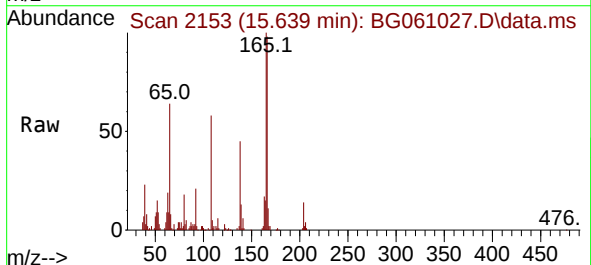
Tgt Ion:204 Resp: 156710
Ion Ratio Lower Upper
204 100
206 31.5 25.6 38.4
141 53.3 45.4 68.0

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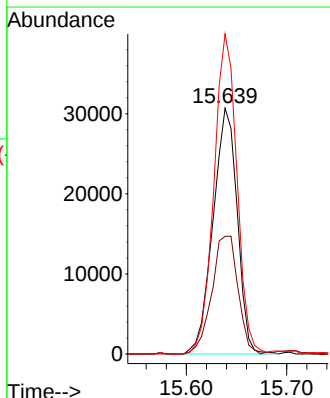
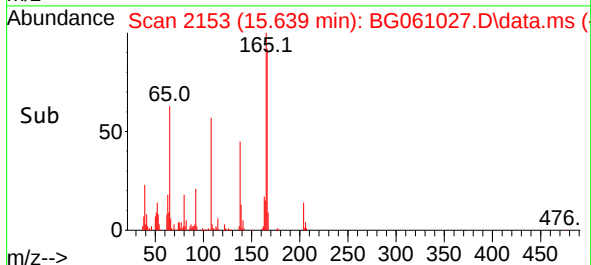
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

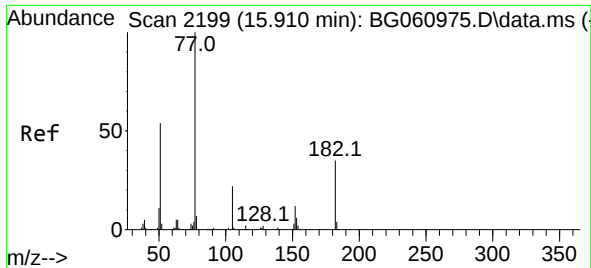


#62
4-Nitroaniline
Concen: 33.666 ng
RT: 15.639 min Scan# 2153
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



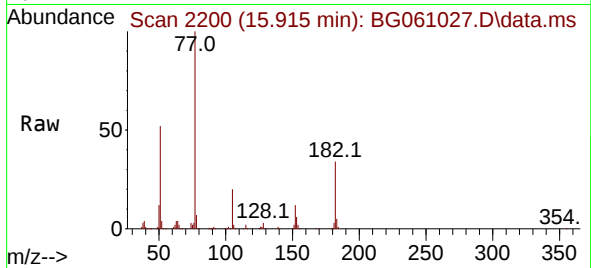
Tgt Ion:138 Resp: 51339
Ion Ratio Lower Upper
138 100
92 47.8 32.2 72.2
108 130.2 109.0 149.0





#63
Azobenzene
Concen: 38.713 ng
RT: 15.915 min Scan# 2199
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

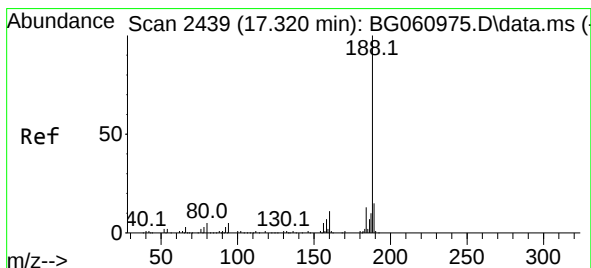
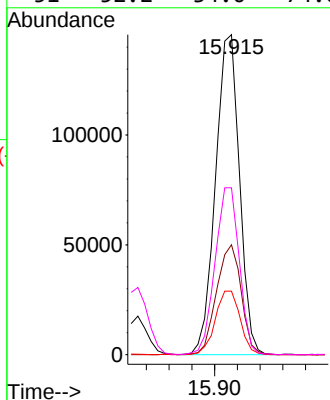
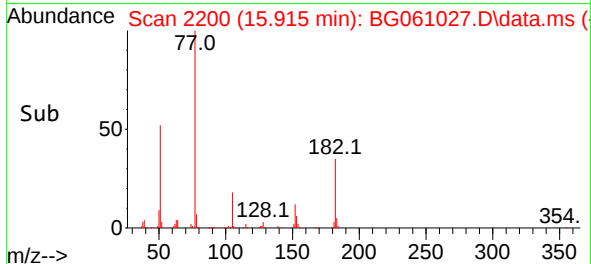
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion: 77 Resp: 21315
Ion Ratio Lower Upper
77 100
182 34.4 14.5 54.5
105 19.9 1.9 41.9
51 52.2 34.0 74.0

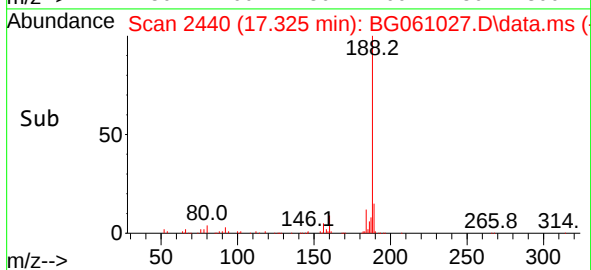
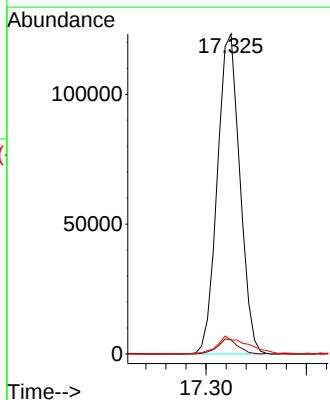
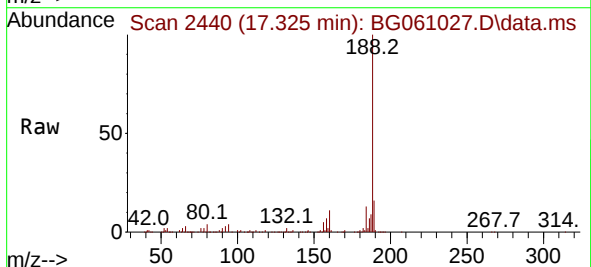
Manual Integrations
APPROVED

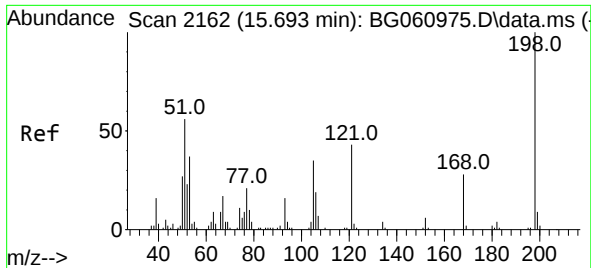
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 2440
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

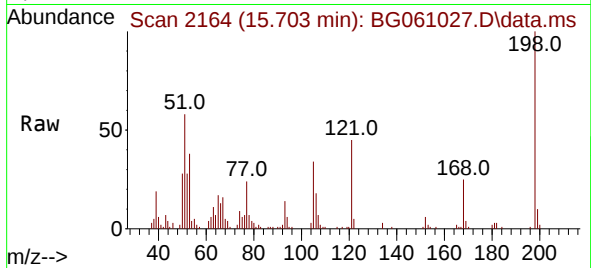
Tgt Ion:188 Resp: 191612
Ion Ratio Lower Upper
188 100
94 4.4 4.1 6.1
80 4.4 4.0 6.0





#65
4,6-Dinitro-2-methylphenol
Concen: 24.418 ng
RT: 15.703 min Scan# 2164
Delta R.T. 0.010 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

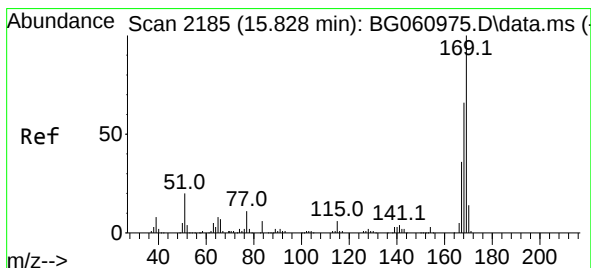
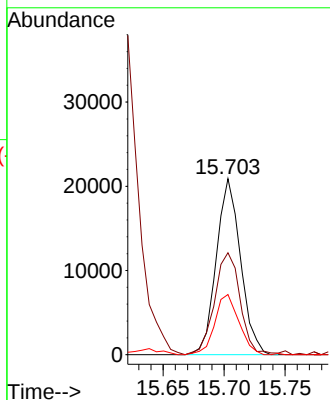
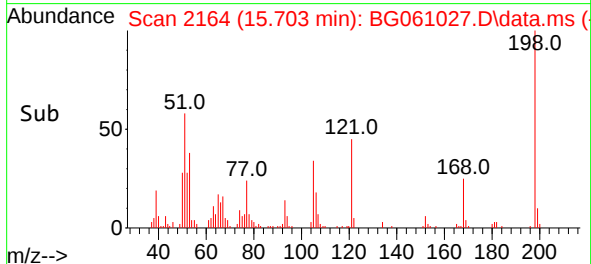
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



Tgt Ion:198 Resp: 28890
Ion Ratio Lower Upper
198 100
51 57.9 38.6 78.6
105 34.2 14.5 54.5

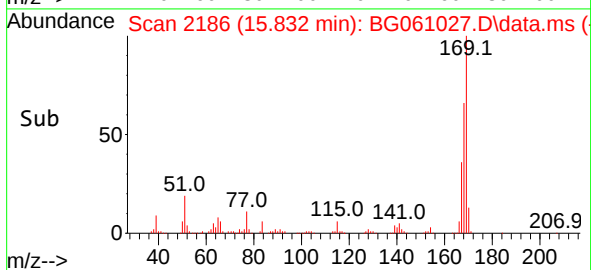
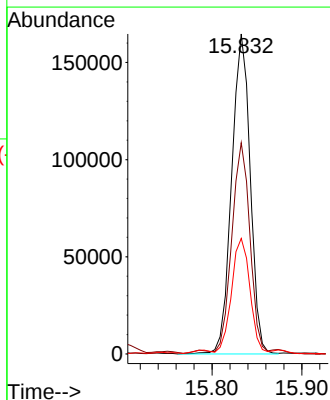
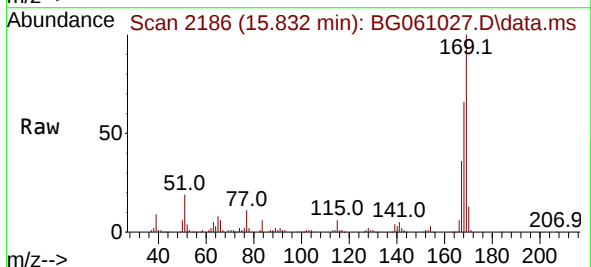
Manual Integrations
APPROVED

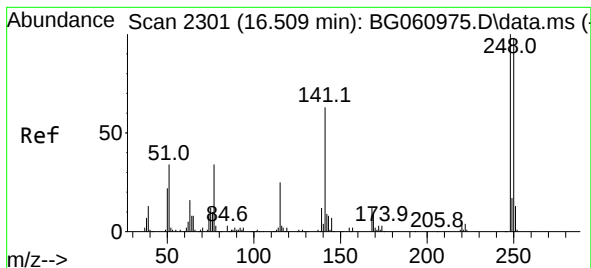
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#66
n-Nitrosodiphenylamine
Concen: 44.661 ng
RT: 15.832 min Scan# 2186
Delta R.T. 0.004 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

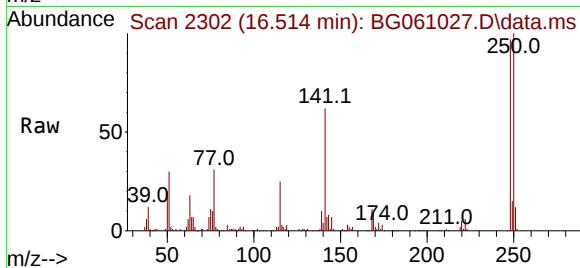
Tgt Ion:169 Resp: 235766
Ion Ratio Lower Upper
169 100
168 66.0 52.5 78.7
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 44.479 ng
RT: 16.514 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

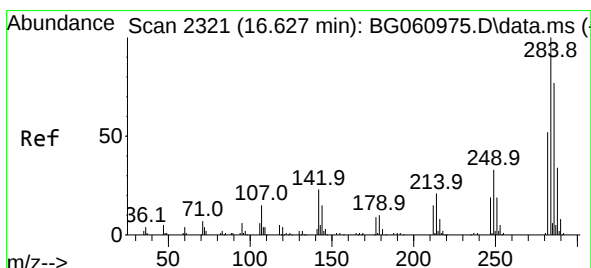
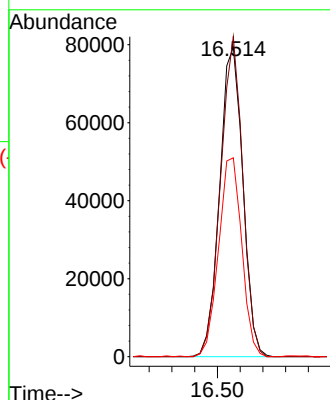
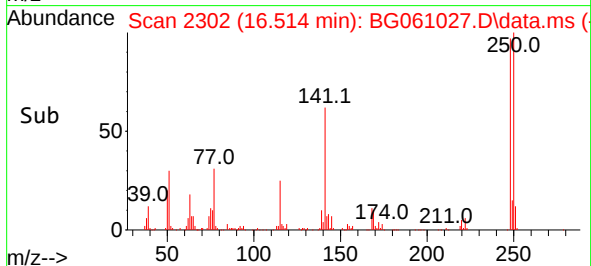
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



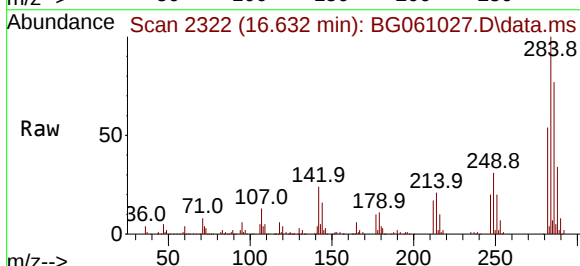
Tgt Ion:248 Resp: 112478
Ion Ratio Lower Upper
248 100
250 103.5 78.7 118.1
141 64.3 50.4 75.6

Manual Integrations
APPROVED

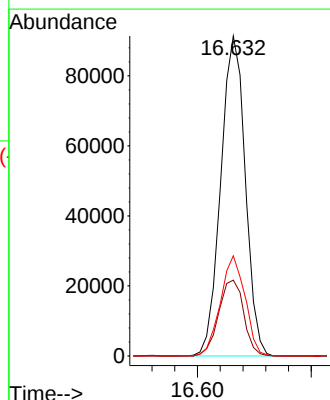
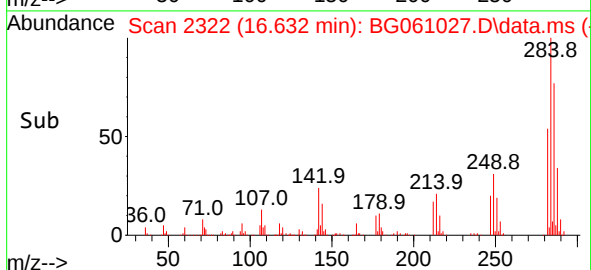
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

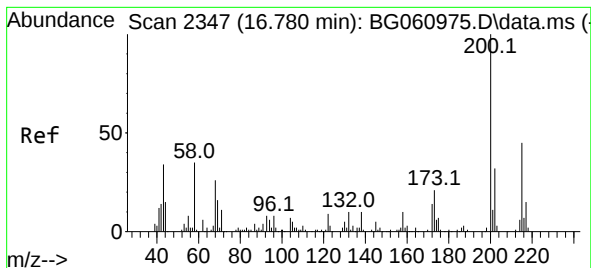


#68
Hexachlorobenzene
Concen: 48.890 ng
RT: 16.632 min Scan# 2322
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



Tgt Ion:284 Resp: 136561
Ion Ratio Lower Upper
284 100
142 23.7 18.7 28.1
249 31.3 26.4 39.6





#69

Atrazine

Concen: 50.088 ng

RT: 16.784 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD

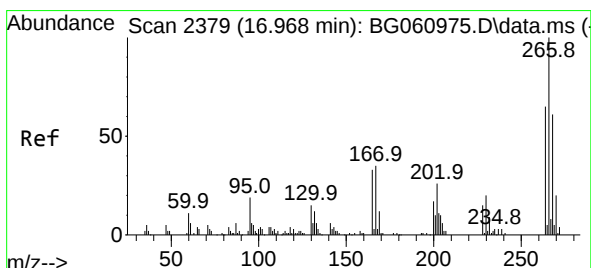
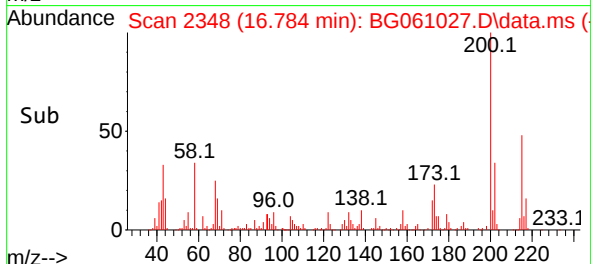
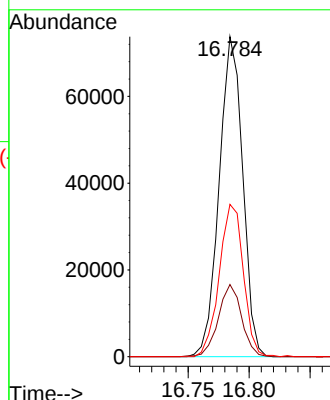
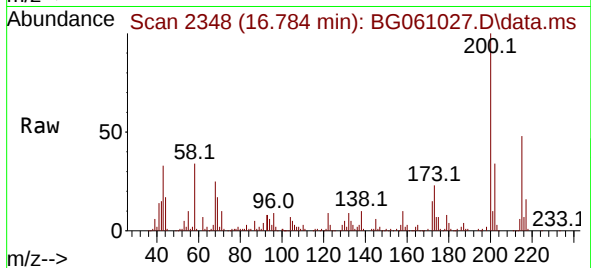
Tgt Ion:200 Resp: 98962
 Ion Ratio Lower Upper
 200 100
 173 22.6 1.4 41.4
 215 47.6 25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#70

Pentachlorophenol

Concen: 94.036 ng

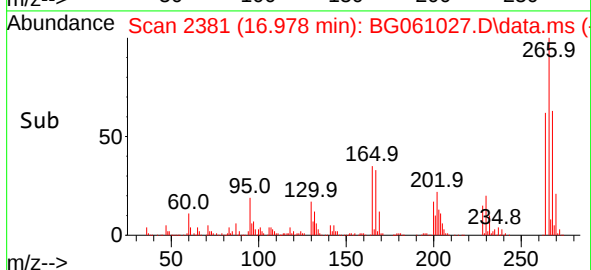
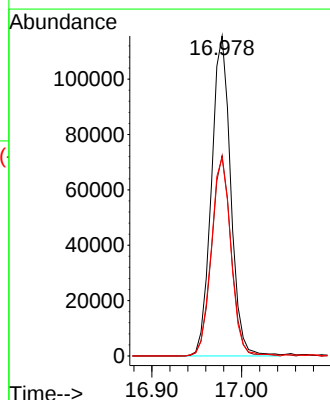
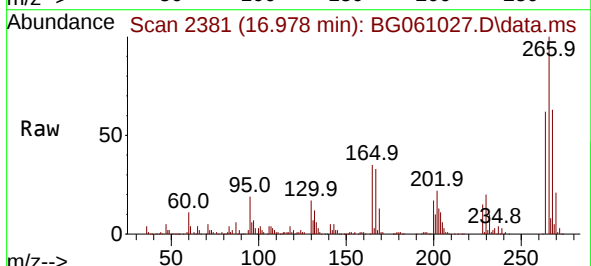
RT: 16.978 min Scan# 2381

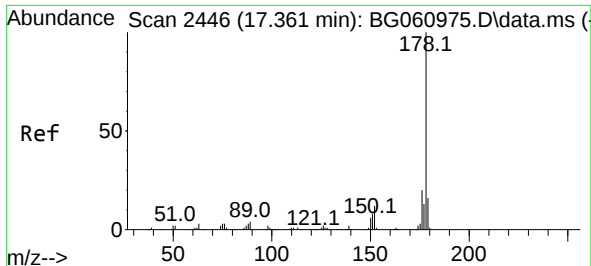
Delta R.T. 0.010 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion:266 Resp: 172238
 Ion Ratio Lower Upper
 266 100
 268 62.6 49.1 73.7
 264 61.9 52.2 78.2





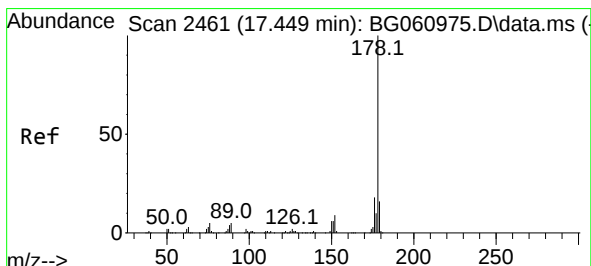
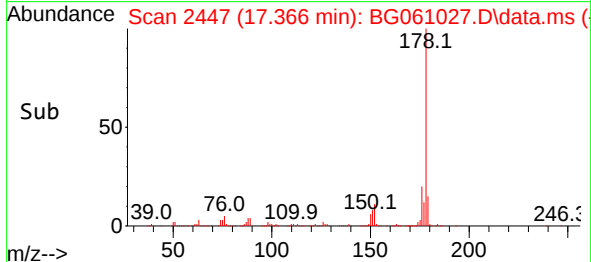
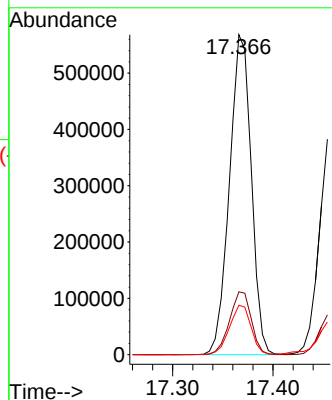
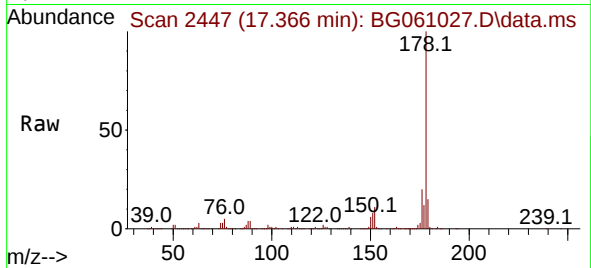
#71
Phenanthrene
Concen: 87.730 ng
RT: 17.366 min Scan# 2446
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:178 Resp: 858045
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.5 12.5 18.7

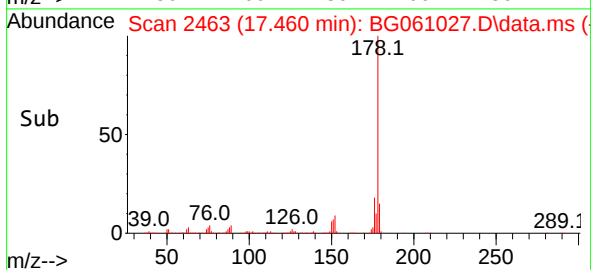
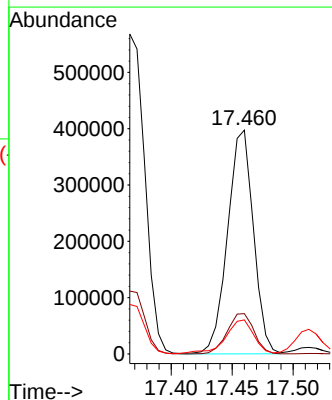
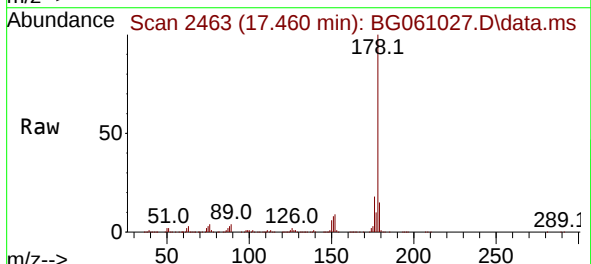
Manual Integrations
APPROVED

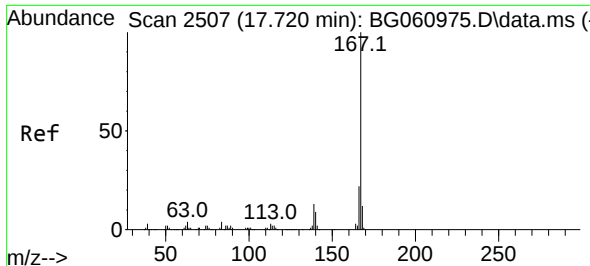
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#72
Anthracene
Concen: 58.372 ng
RT: 17.460 min Scan# 2463
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

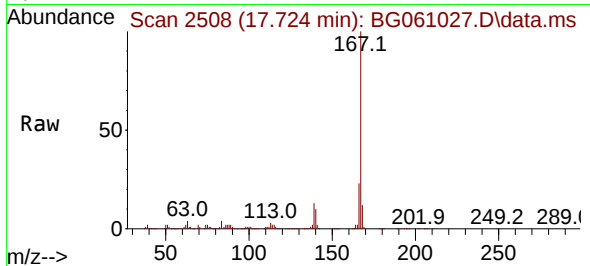
Tgt Ion:178 Resp: 587981
Ion Ratio Lower Upper
178 100
176 18.0 14.7 22.1
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 50.685 ng
 RT: 17.724 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06

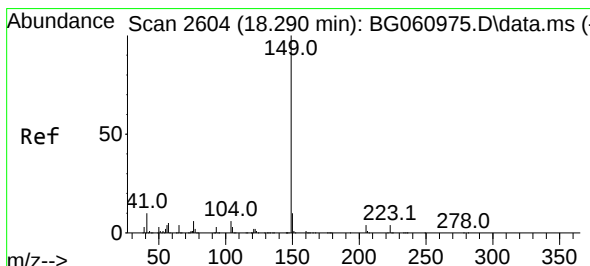
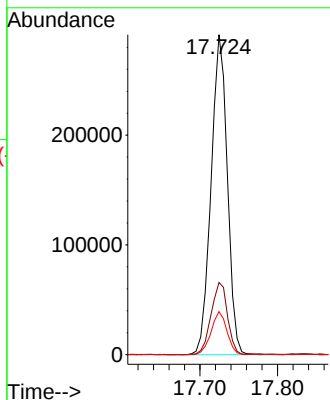
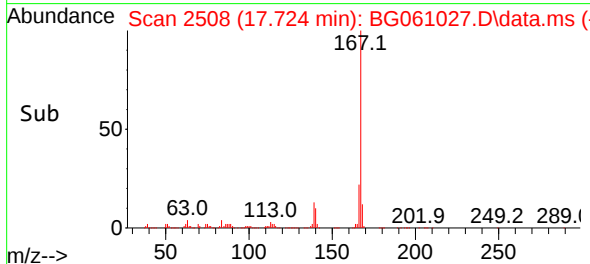
Instrument :
 BNA_G
 ClientSampleId :
 EXCAVATION-SOILMSD



Tgt Ion:167 Resp: 42401
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.8 26.8
 139 13.4 10.2 15.2

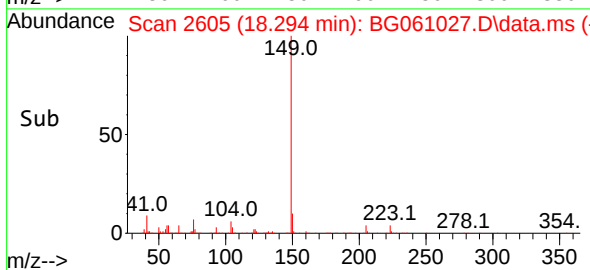
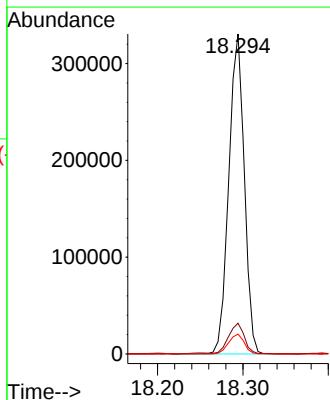
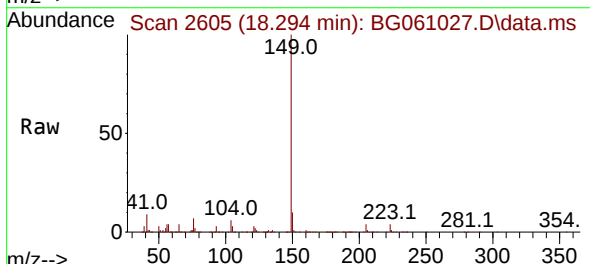
Manual Integrations
 APPROVED

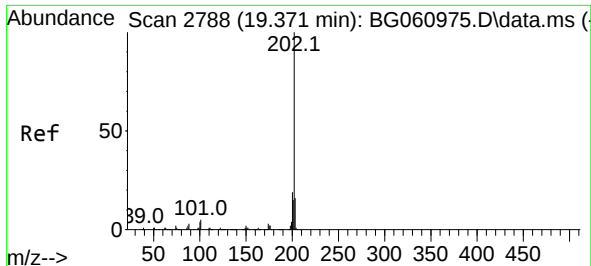
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#74
 Di-n-butylphthalate
 Concen: 41.097 ng
 RT: 18.294 min Scan# 2605
 Delta R.T. 0.005 min
 Lab File: BG061027.D
 Acq: 24 Apr 2024 16:06

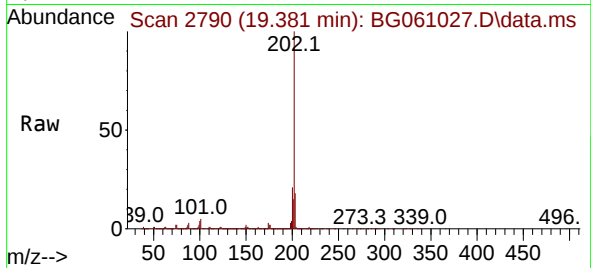
Tgt Ion:149 Resp: 417411
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.7 11.5
 104 6.2 5.0 7.6





#75
Fluoranthene
Concen: 115.364 ng
RT: 19.381 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

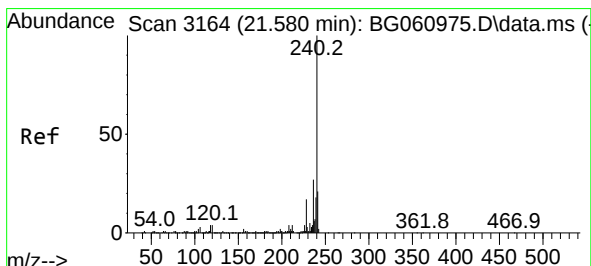
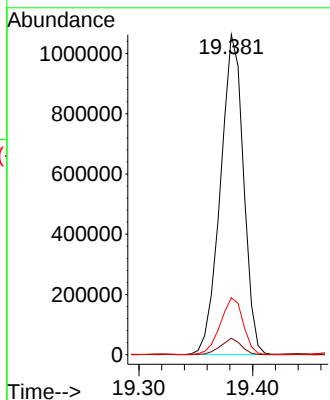
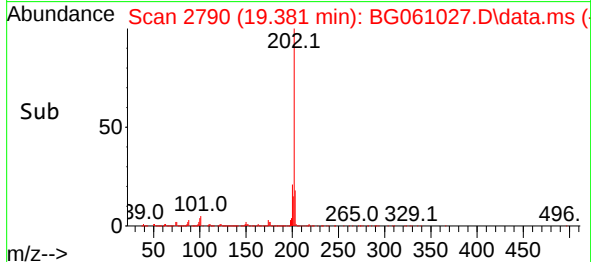
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



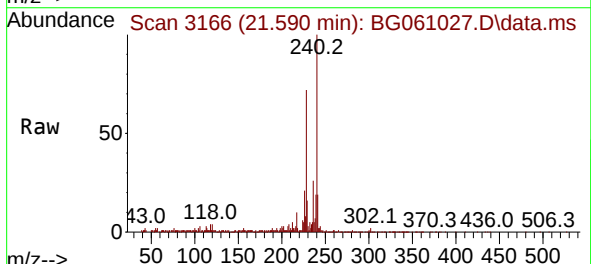
Tgt Ion:202 Resp: 1497424
Ion Ratio Lower Upper
202 100
101 5.2 0.0 24.9
203 17.8 0.0 36.2

Manual Integrations
APPROVED

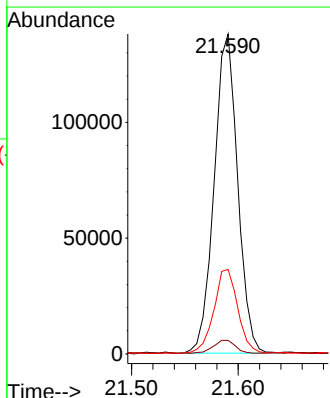
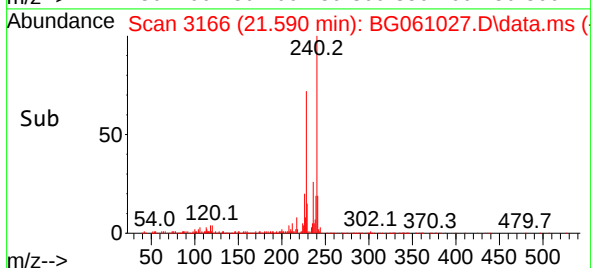
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

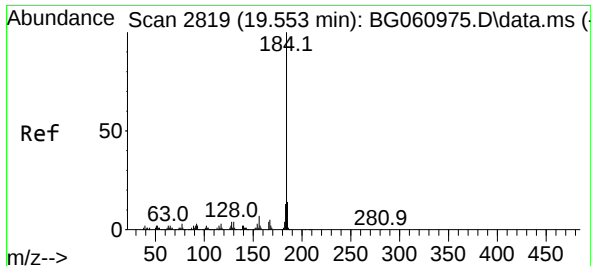


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



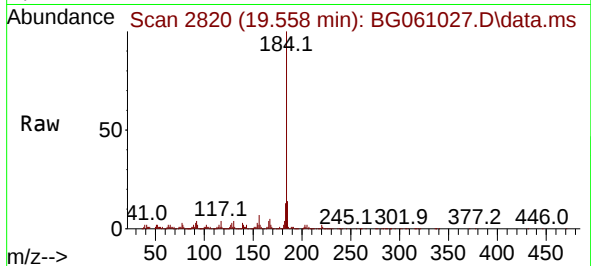
Tgt Ion:240 Resp: 210503
Ion Ratio Lower Upper
240 100
120 4.3 3.0 4.6
236 26.4 21.8 32.6





#77
Benzidine
Concen: 60.752 ng
RT: 19.558 min Scan# 2819
Delta R.T. 0.005 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06

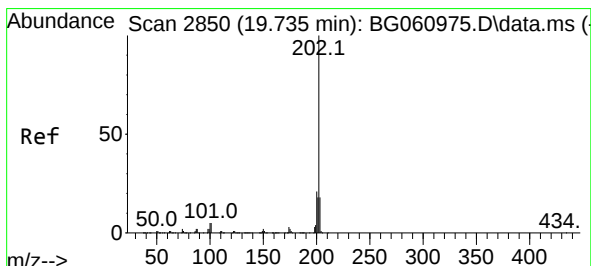
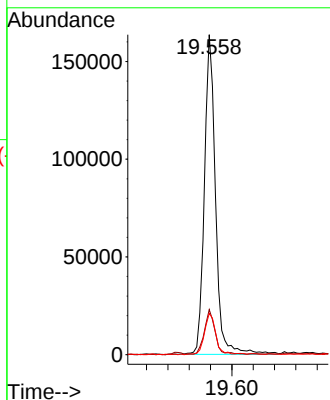
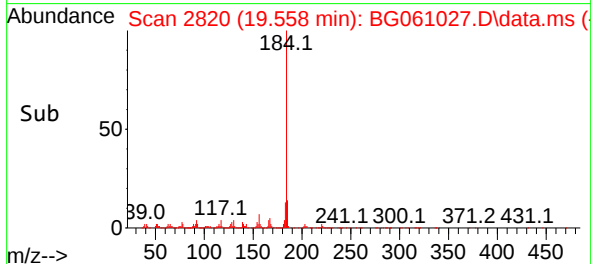
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOILMSD



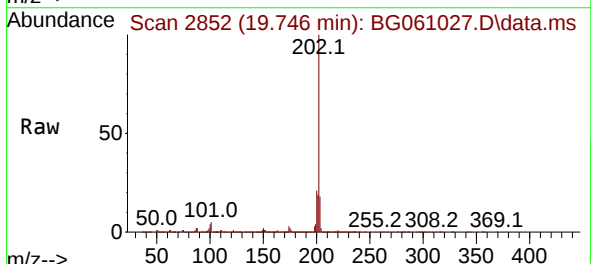
Tgt Ion:184 Resp: 236958
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.9 10.2 15.2

Manual Integrations
APPROVED

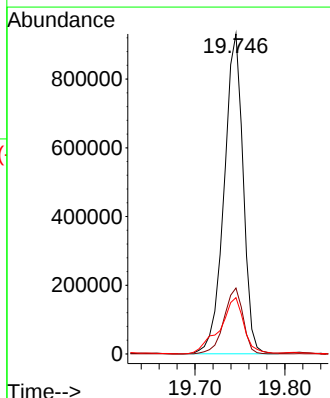
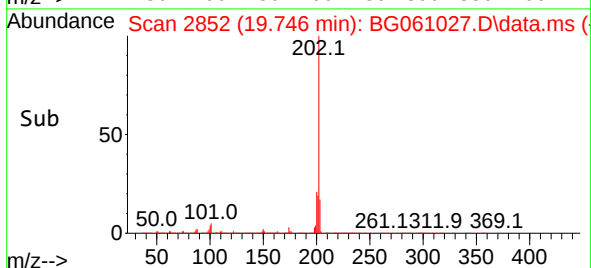
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

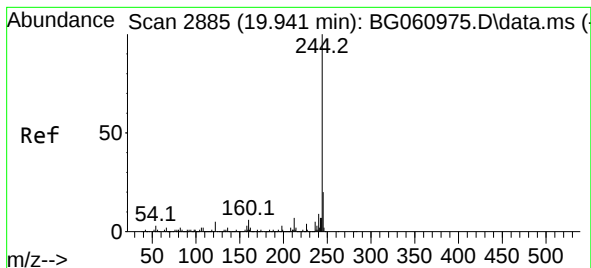


#78
Pyrene
Concen: 95.255 ng
RT: 19.746 min Scan# 2852
Delta R.T. 0.011 min
Lab File: BG061027.D
Acq: 24 Apr 2024 16:06



Tgt Ion:202 Resp: 1365300
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 59.695 ng

RT: 19.939 min Scan# 2885

Delta R.T. -0.001 min

Lab File: BG061027.D

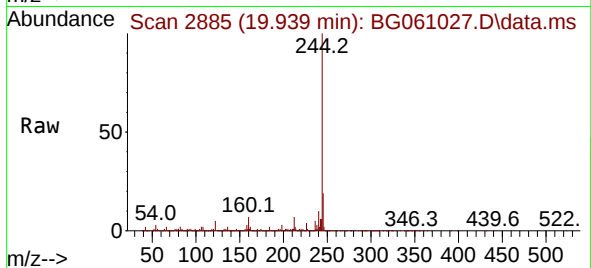
Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD



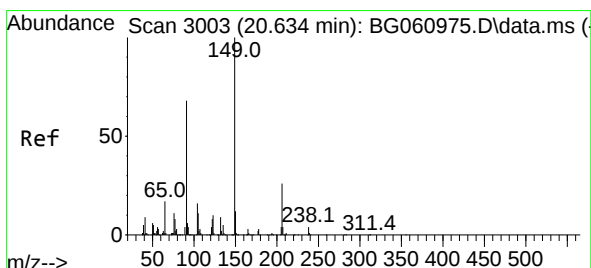
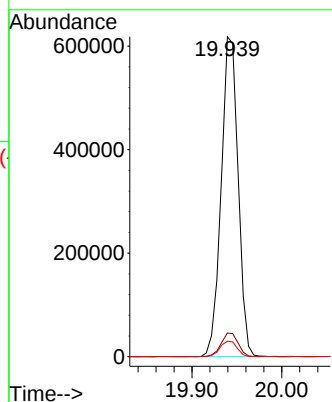
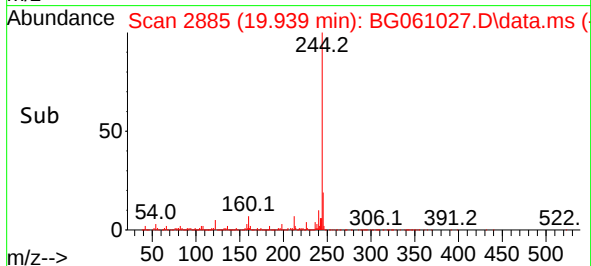
Tgt Ion:	244	Resp:	80954
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.9	8.9
122	4.8	4.2	6.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#80

Butylbenzylphthalate

Concen: 40.009 ng

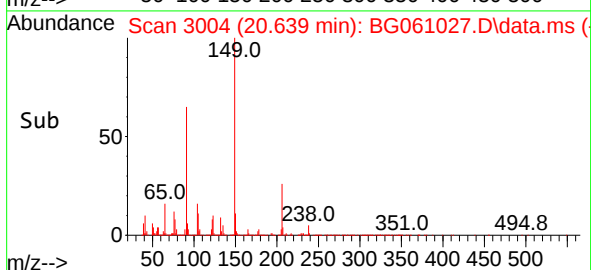
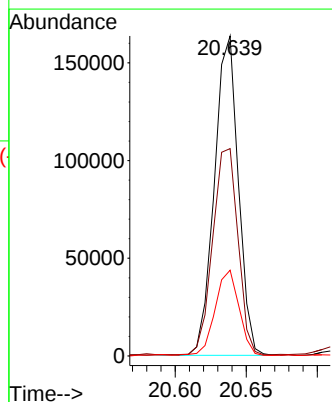
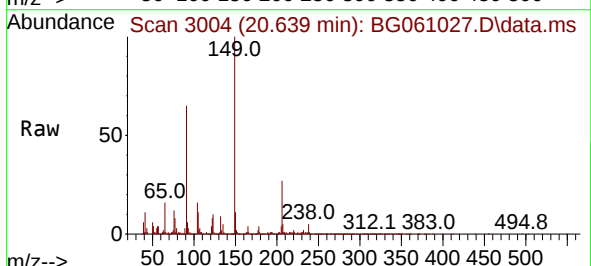
RT: 20.639 min Scan# 3004

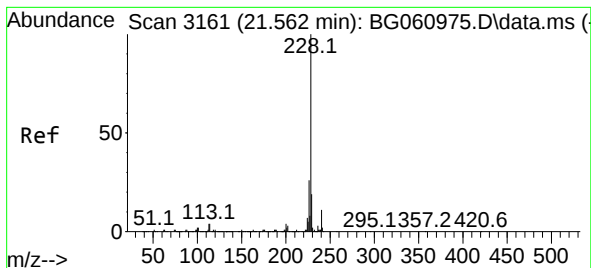
Delta R.T. 0.005 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion:	149	Resp:	191134
Ion Ratio	Lower	Upper	
149	100		
91	64.8	54.4	81.6
206	26.8	20.8	31.2





#81

Benzo(a)anthracene

Concen: 73.538 ng

RT: 21.573 min Scan# 3163

Delta R.T. 0.011 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion:228 Resp: 1088328

Ion Ratio Lower Upper

228 100

226 27.7 21.0 31.4

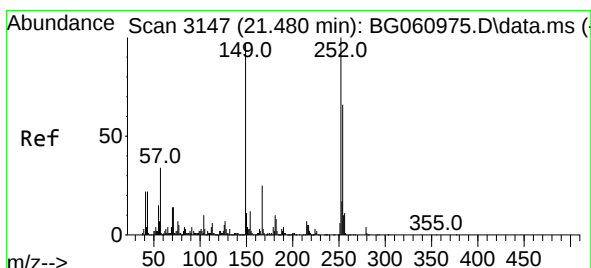
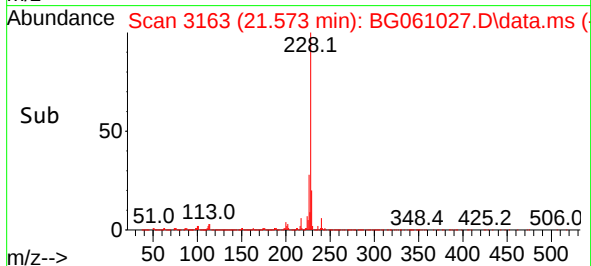
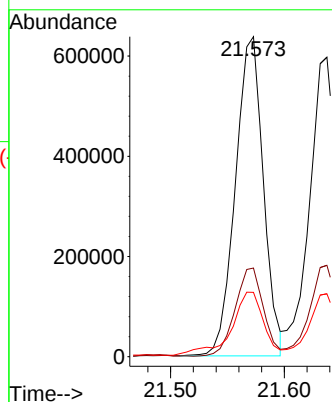
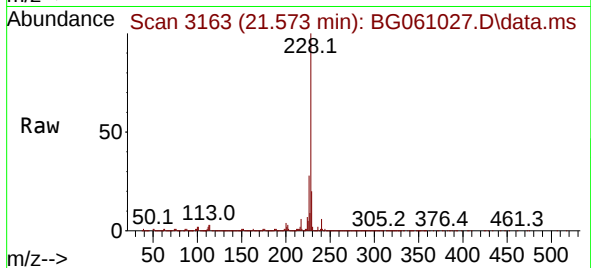
229 20.1 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#82

3,3'-Dichlorobenzidine

Concen: 38.532 ng

RT: 21.485 min Scan# 3148

Delta R.T. 0.005 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

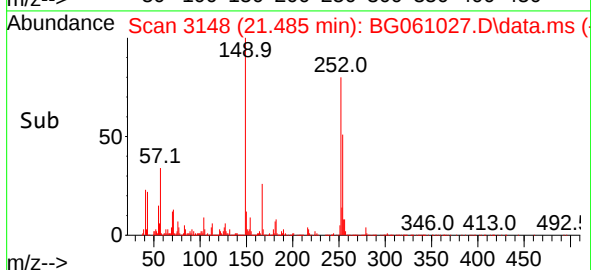
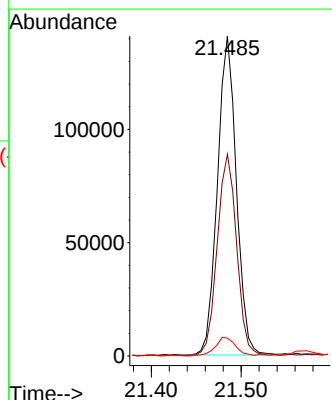
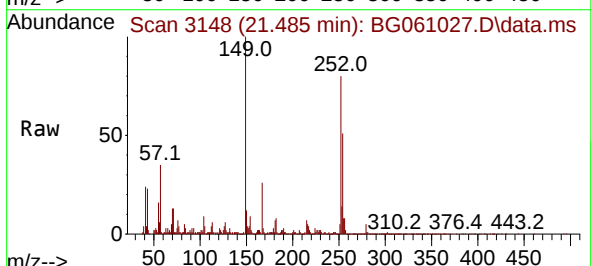
Tgt Ion:252 Resp: 206091

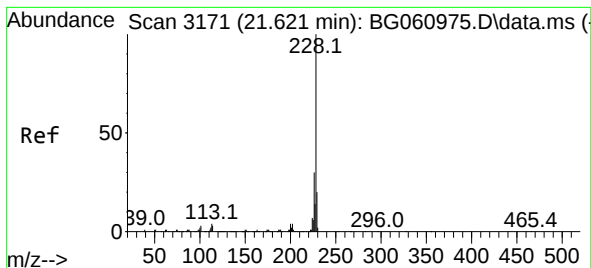
Ion Ratio Lower Upper

252 100

254 63.1 52.7 79.1

126 5.6 4.2 6.2





#83

Chrysene

Concen: 69.502 ng

RT: 21.637 min Scan# 3174

Delta R.T. 0.016 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion:228 Resp: 979308

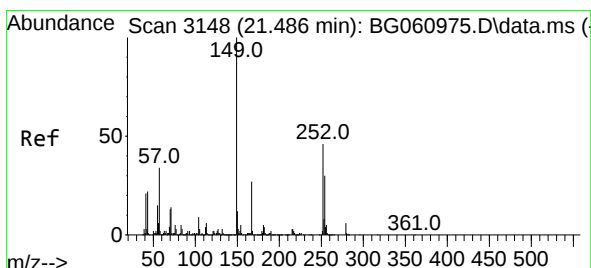
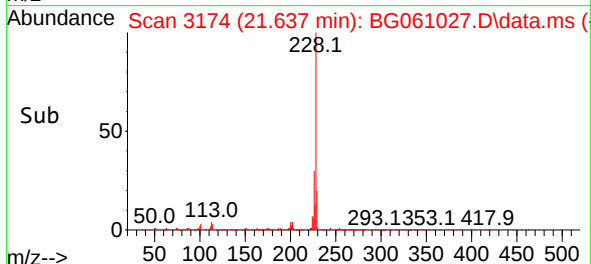
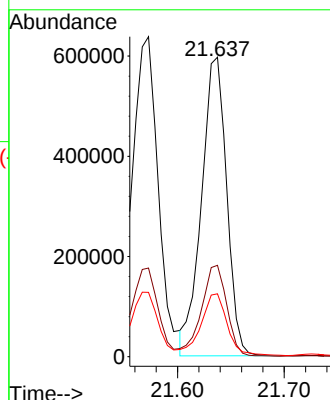
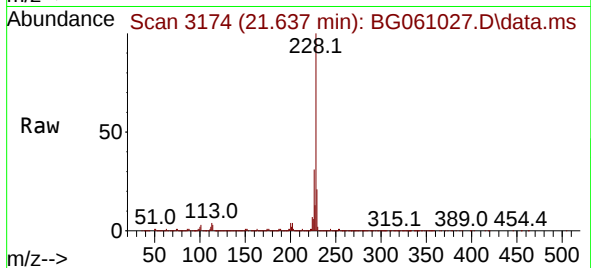
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	21.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.119 ng

RT: 21.491 min Scan# 3149

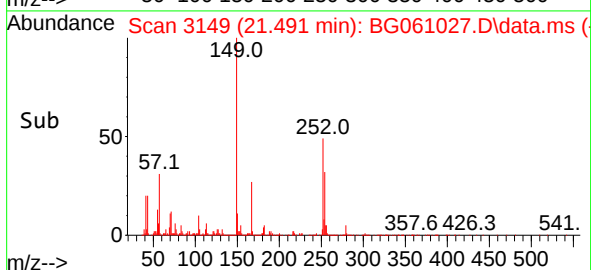
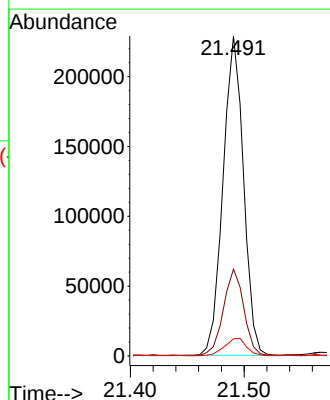
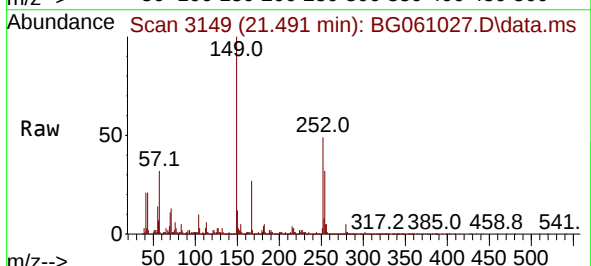
Delta R.T. 0.005 min

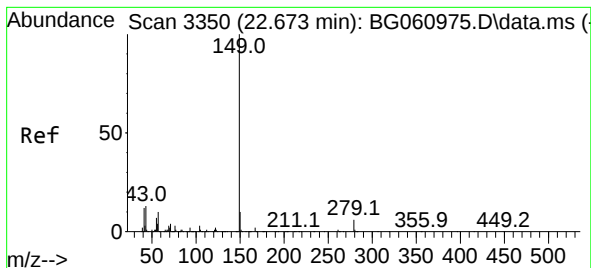
Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion:149 Resp: 285593

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	5.4	4.4	6.6





#85

Di-n-octyl phthalate

Concen: 42.026 ng

RT: 22.677 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG061027.D

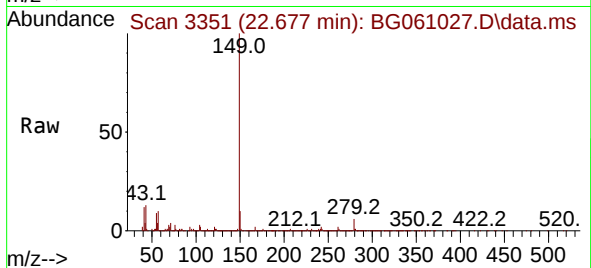
Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD



Tgt Ion:149 Resp: 48462

Ion Ratio Lower Upper

149 100

167 2.0 1.4 2.2

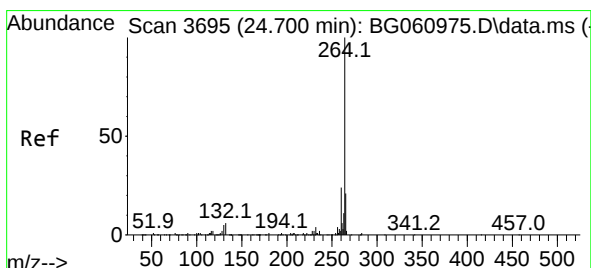
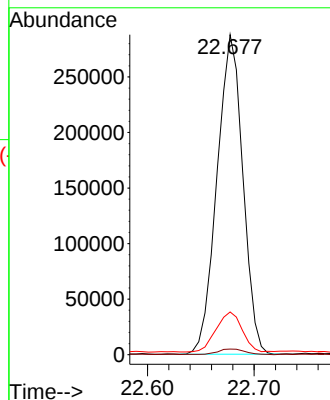
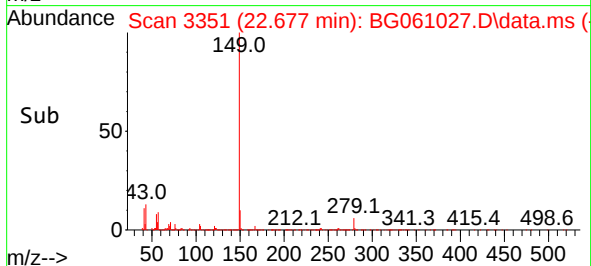
43 12.5 11.0 16.6

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: 24.716 min Scan# 3698

Delta R.T. 0.016 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

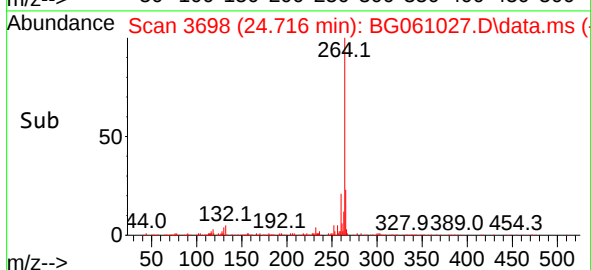
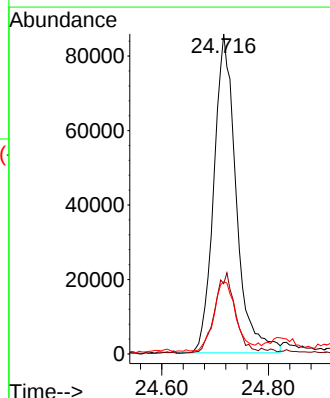
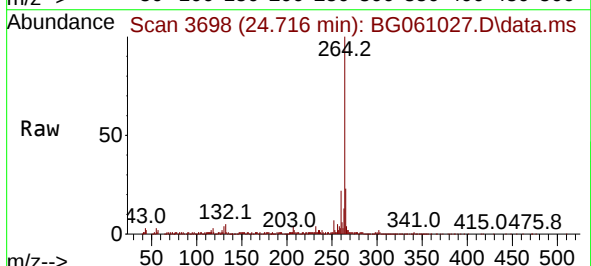
Tgt Ion:264 Resp: 248725

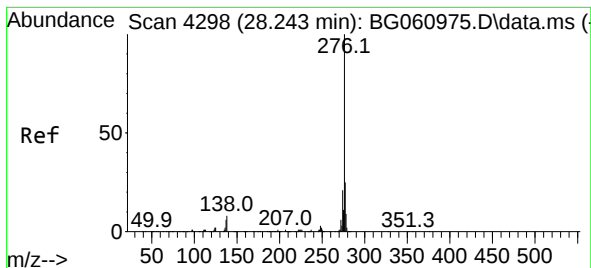
Ion Ratio Lower Upper

264 100

260 22.0 19.4 29.2

265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.870 ng

RT: 28.265 min Scan# 41

Delta R.T. 0.022 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion:276 Resp: 79144

Ion Ratio Lower Upper

276 100

138 2.0 5.3 7.9

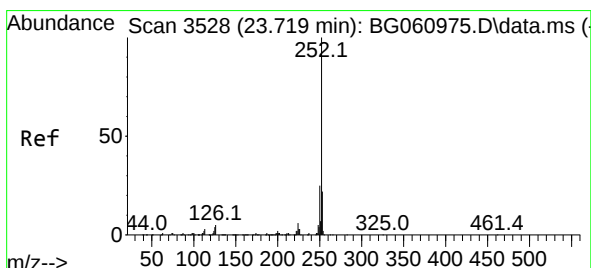
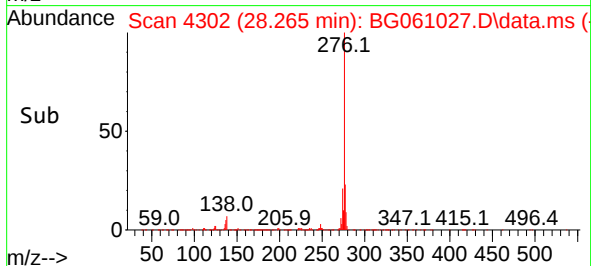
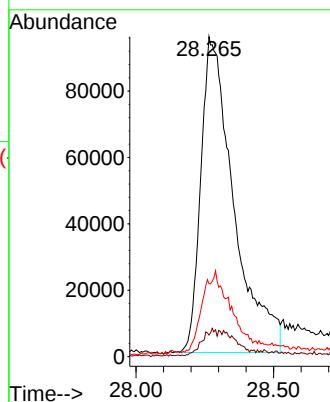
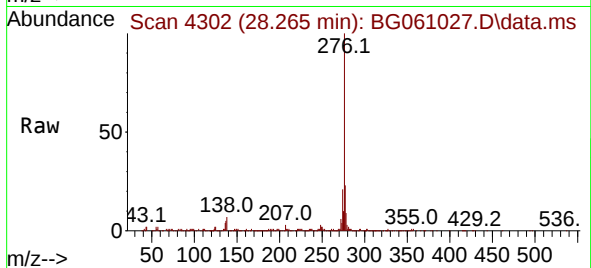
277 7.6 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 69.255 ng

RT: 23.735 min Scan# 3531

Delta R.T. 0.016 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

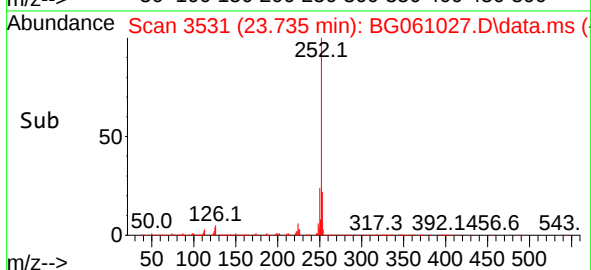
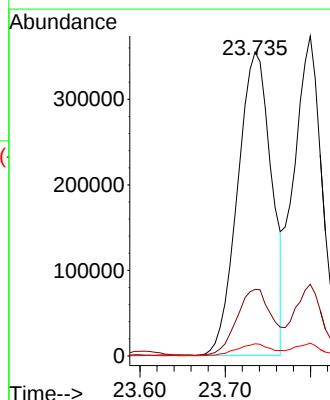
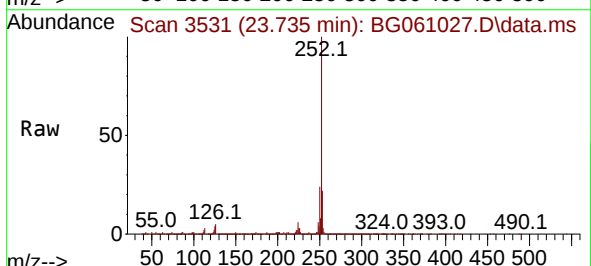
Tgt Ion:252 Resp: 976149

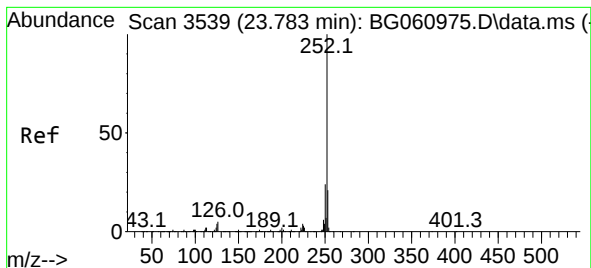
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 4.0 3.3 4.9





#89

Benzo(k)fluoranthene

Concen: 58.133 ng

RT: 23.800 min Scan# 3542

Delta R.T. 0.016 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Instrument :

BNL_G

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion:252 Resp: 827168

Ion Ratio Lower Upper

252 100

253 22.4 16.6 25.0

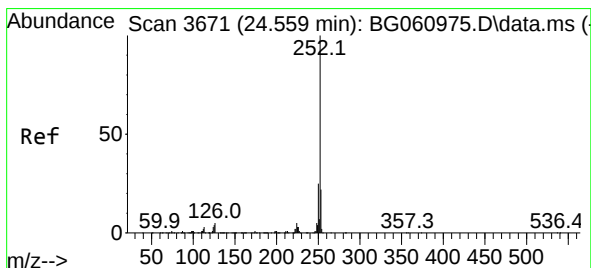
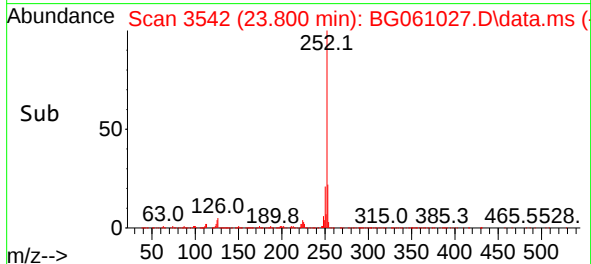
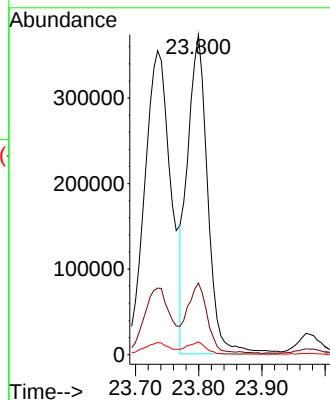
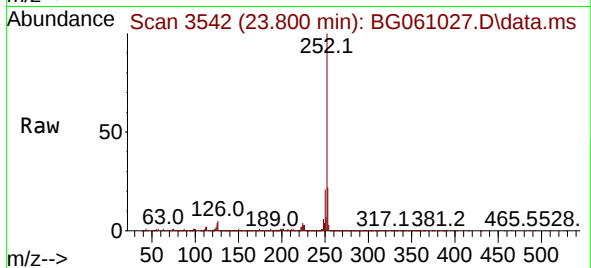
125 4.0 3.3 4.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#90

Benzo(a)pyrene

Concen: 63.497 ng

RT: 24.575 min Scan# 3674

Delta R.T. 0.016 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

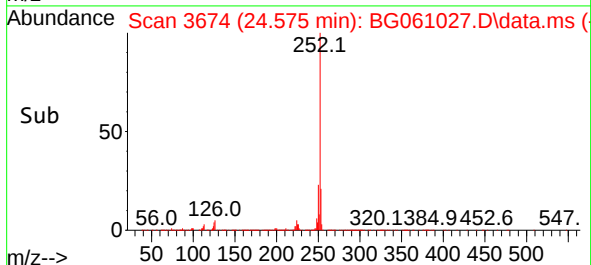
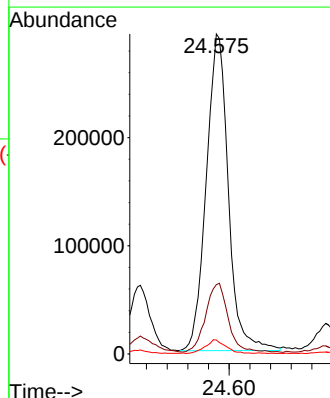
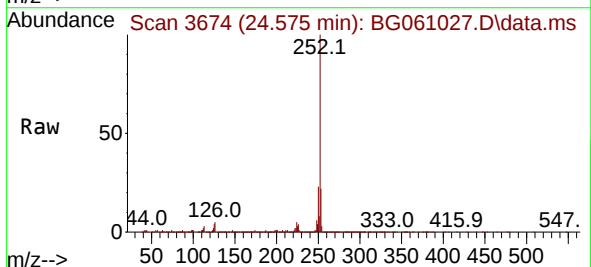
Tgt Ion:252 Resp: 866293

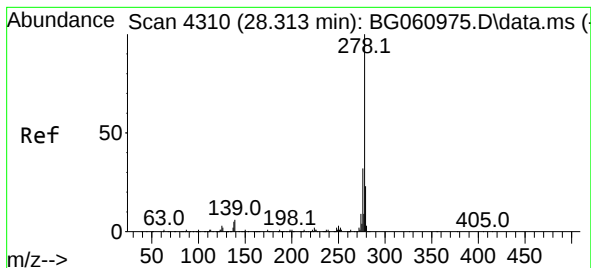
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 4.4 3.6 5.4





#91

Dibenzo(a,h)anthracene

Concen: 39.939 ng

RT: 28.335 min Scan# 41

Delta R.T. 0.022 min

Lab File: BG061027.D

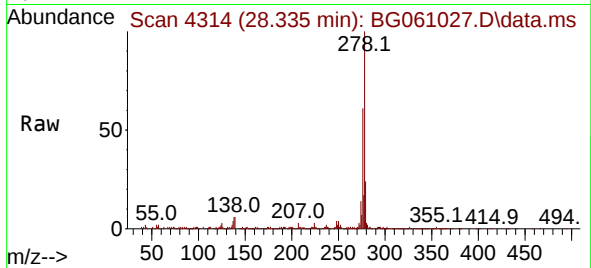
Acq: 24 Apr 2024 16:06

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-SOILMSD



Tgt Ion:278 Resp: 56301

Ion Ratio Lower Upper

278 100

139 6.2 4.7 7.1

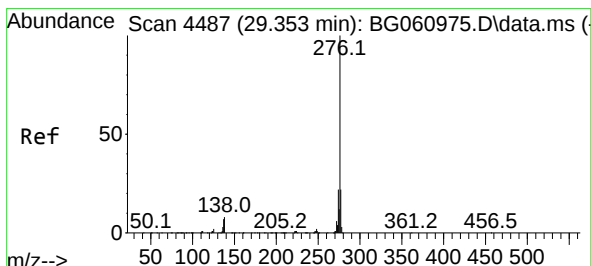
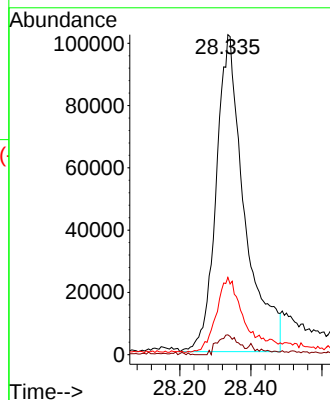
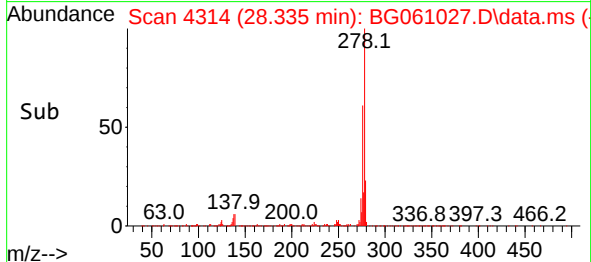
279 24.2 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 39.077 ng m

RT: 29.375 min Scan# 4491

Delta R.T. 0.022 min

Lab File: BG061027.D

Acq: 24 Apr 2024 16:06

Tgt Ion:276 Resp: 546200

Ion Ratio Lower Upper

276 100

277 24.5 18.0 27.0

138 7.9 6.5 9.7

