

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138212.D
 Acq On : 17 Jun 2024 18:58
 Operator : CG\JU
 Sample : P2883-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024

Quant Time: Jun 18 00:54:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	391449	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1541360	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	848450	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	1462437	20.000	ng	0.00
76) Chrysene-d12	14.051	240	764249	20.000	ng	0.00
86) Perylene-d12	15.515	264	829469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2632239	112.487	ng	0.01
7) Phenol-d6	6.522	99	3339768	112.554	ng	0.00
23) Nitrobenzene-d5	7.457	82	2069637	78.169	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	931865	110.325	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3664039	68.671	ng	0.00
79) Terphenyl-d14	12.998	244	3887229	80.559	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	445115	41.565	ng	99
3) Pyridine	3.528	79	1163394	45.710	ng	99
4) n-Nitrosodimethylamine	3.487	42	588259	49.941	ng	94
6) Aniline	6.557	93	1157701	39.874	ng	99
8) 2-Chlorophenol	6.675	128	1297170	51.274	ng	94
9) Benzaldehyde	6.439	77	248920	15.795	ng	98
10) Phenol	6.539	94	1566992m	52.038	ng	
11) bis(2-Chloroethyl)ether	6.628	93	1209765	50.197	ng	97
12) 1,3-Dichlorobenzene	6.834	146	1293727	44.997	ng	98
13) 1,4-Dichlorobenzene	6.910	146	1312858	45.374	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1260224	46.397	ng	99
15) Benzyl Alcohol	7.034	79	1068231	53.392	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1683488	49.495	ng	99
17) 2-Methylphenol	7.145	107	1025822	51.393	ng	98
18) Hexachloroethane	7.404	117	472258	48.178	ng	92
19) n-Nitroso-di-n-propyla...	7.310	70	876140	49.813	ng	98
20) 3+4-Methylphenols	7.298	107	1224898	48.755	ng	96
22) Acetophenone	7.304	105	1593772	45.264	ng	96
24) Nitrobenzene	7.475	77	1320526	48.257	ng	100
25) Isophorone	7.716	82	2401053	50.136	ng	99
26) 2-Nitrophenol	7.792	139	679125	61.719	ng	99
27) 2,4-Dimethylphenol	7.828	122	912211m	54.491	ng	
28) bis(2-Chloroethoxy)met...	7.928	93	1489952	49.701	ng	100
29) 2,4-Dichlorophenol	8.034	162	1066021	49.461	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	1139068	44.814	ng	98
31) Naphthalene	8.198	128	3445616	45.208	ng	98
32) Benzoic acid	7.957	122	807553	54.733	ng	99
33) 4-Chloroaniline	8.239	127	403422	14.162	ng	99
34) Hexachlorobutadiene	8.310	225	644838	43.378	ng	99
35) Caprolactam	8.616	113	350621m	53.885	ng	
36) 4-Chloro-3-methylphenol	8.722	107	1116220	52.016	ng	94
37) 2-Methylnaphthalene	8.886	142	2314522	46.272	ng	99
38) 1-Methylnaphthalene	8.986	142	2173212	44.335	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	1059077	42.716	ng	98
41) Hexachlorocyclopentadiene	9.039	237	1131544	139.967	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	778946	50.176	ng	99

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Instrument :
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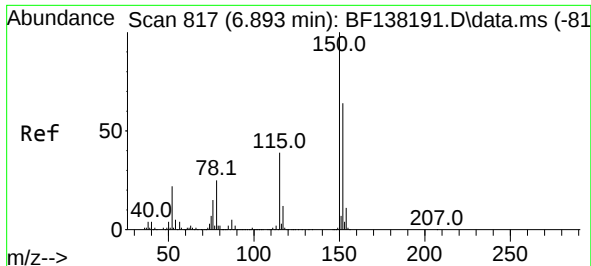
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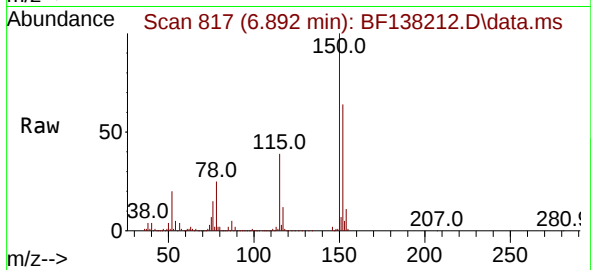
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	828236	48.581	ng	97
46) 1,1'-Biphenyl	9.351	154	2732595	43.891	ng	99
47) 2-Chloronaphthalene	9.375	162	2222686	45.174	ng	99
48) 2-Nitroaniline	9.475	65	666217	56.224	ng	93
49) Acenaphthylene	9.792	152	3382863	49.031	ng	98
50) Dimethylphthalate	9.657	163	2537116	48.805	ng	99
51) 2,6-Dinitrotoluene	9.716	165	593524	52.628	ng	92
52) Acenaphthene	9.963	154	2370476	50.385	ng	99
53) 3-Nitroaniline	9.880	138	456308	37.875	ng	99
54) 2,4-Dinitrophenol	9.986	184	587742	95.482	ng	98
55) Dibenzofuran	10.139	168	3032896	46.114	ng	100
56) 4-Nitrophenol	10.045	139	972171	102.110	ng	91
57) 2,4-Dinitrotoluene	10.116	165	798531	57.407	ng	# 84
58) Fluorene	10.480	166	2313327	44.736	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	667753	50.117	ng	97
60) Diethylphthalate	10.351	149	2449761	49.652	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	1164333	45.210	ng	98
62) 4-Nitroaniline	10.504	138	580435	48.219	ng	93
63) Azobenzene	10.633	77	2445398	49.472	ng	94
65) 4,6-Dinitro-2-methylph...	10.522	198	403645	53.275	ng	95
66) n-Nitrosodiphenylamine	10.592	169	2112437	47.181	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	780395	47.357	ng	# 89
68) Hexachlorobenzene	11.022	284	869588	45.218	ng	97
69) Atrazine	11.116	200	686394	53.823	ng	97
70) Pentachlorophenol	11.216	266	1030144	91.848	ng	98
71) Phenanthrene	11.439	178	3355958	46.402	ng	99
72) Anthracene	11.492	178	3400040	47.350	ng	98
73) Carbazole	11.645	167	2965386	45.026	ng	99
74) Di-n-butylphthalate	11.974	149	3608157	52.920	ng	99
75) Fluoranthene	12.627	202	3300385	44.752	ng	99
77) Benzidine	12.745	184	983060	111.208	ng	99
78) Pyrene	12.857	202	3295875	49.997	ng	99
80) Butylbenzylphthalate	13.474	149	1357563	75.710	ng	99
81) Benzo(a)anthracene	14.039	228	2442627	49.819	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	644840	47.759	ng	# 99
83) Chrysene	14.074	228	2372471	50.765	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	1739528	83.411	ng	97
85) Di-n-octyl phthalate	14.645	149	2611032	84.275	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	2578077	47.677	ng	98
88) Benzo(b)fluoranthene	15.092	252	2436209	49.805	ng	99
89) Benzo(k)fluoranthene	15.121	252	2299436	47.967	ng	99
90) Benzo(a)pyrene	15.462	252	2225171	52.952	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	2071340	46.669	ng	99
92) Benzo(g,h,i)perylene	17.451	276	1959992	42.687	ng	98

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58

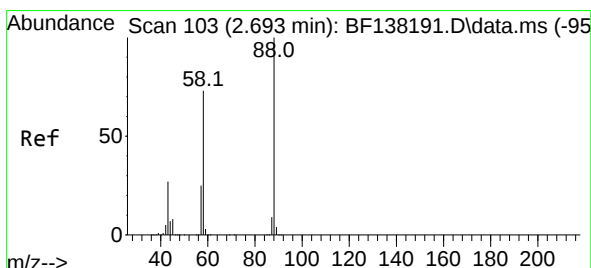
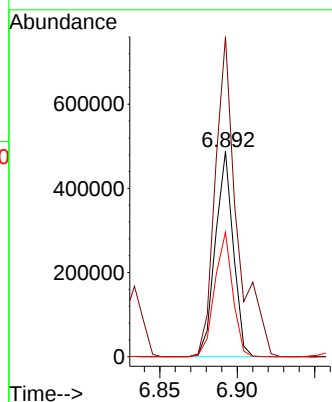
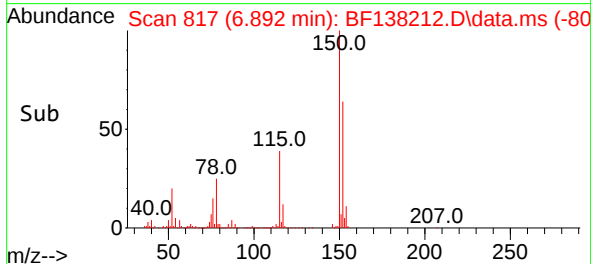
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD



Tgt Ion:152 Resp: 391449
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.0 187.4
 115 60.6 48.4 72.6

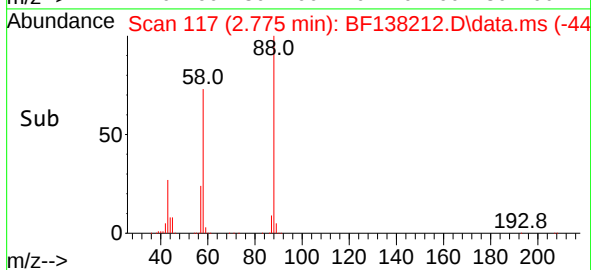
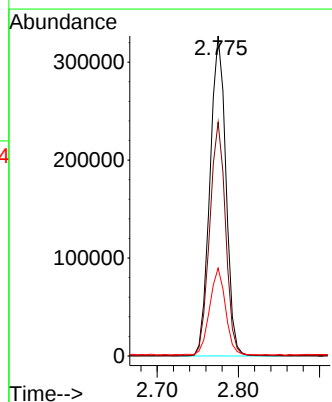
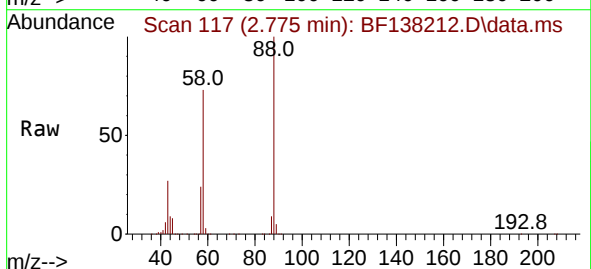
Manual Integrations
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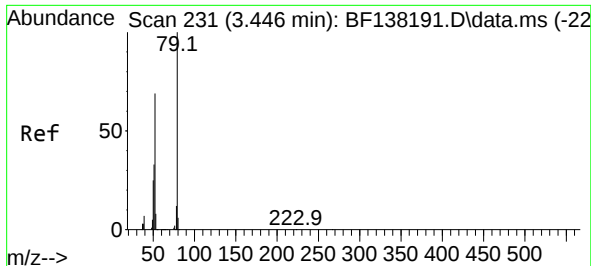
Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024



#2
 1,4-Dioxane
 Concen: 41.565 ng
 RT: 2.775 min Scan# 117
 Delta R.T. 0.082 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58

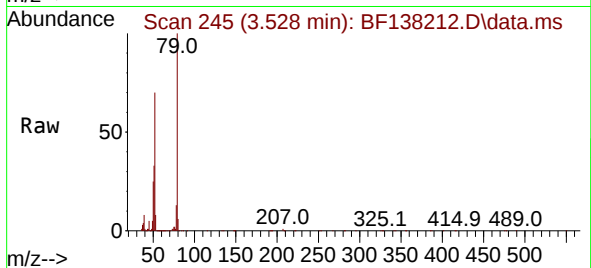
Tgt Ion: 88 Resp: 445115
 Ion Ratio Lower Upper
 88 100
 58 72.5 58.6 87.8
 43 26.9 22.4 33.6





#3
Pyridine
Concen: 45.710 ng
RT: 3.528 min Scan# 245
Delta R.T. 0.082 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

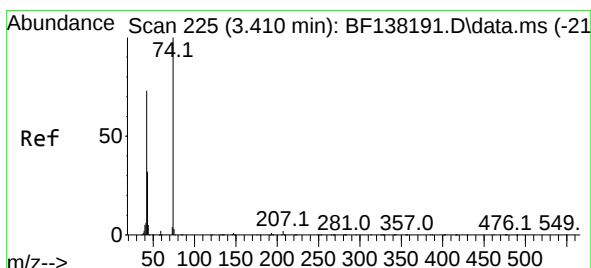
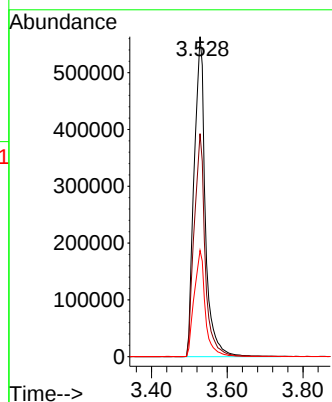
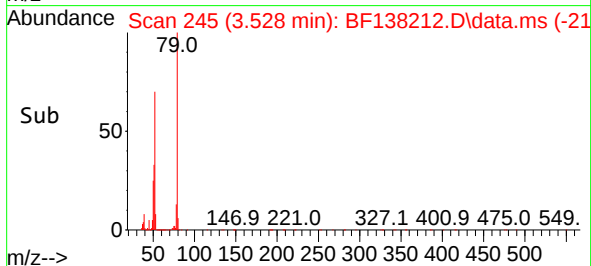
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion: 79 Resp: 1163394
Ion Ratio Lower Upper
79 100
52 69.7 55.0 82.4
51 33.2 26.9 40.3

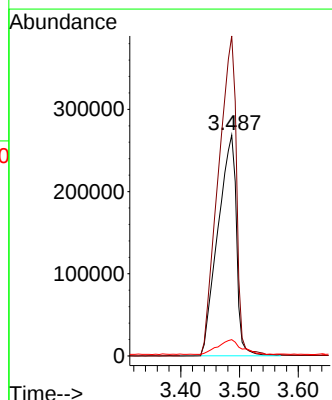
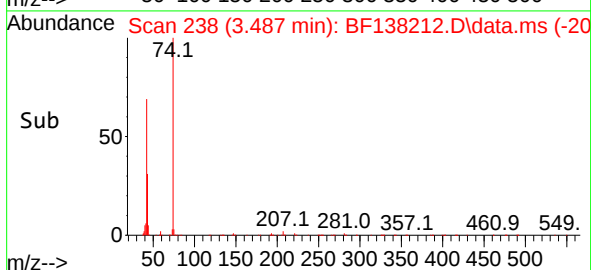
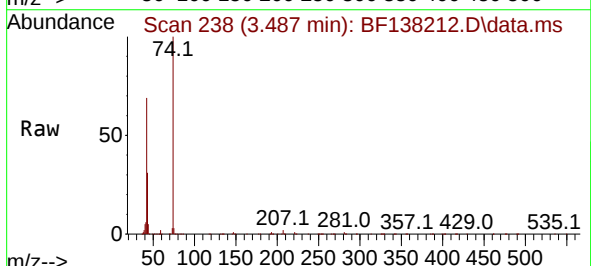
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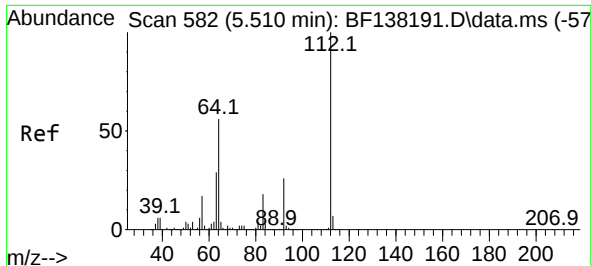
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#4
n-Nitrosodimethylamine
Concen: 49.941 ng
RT: 3.487 min Scan# 238
Delta R.T. 0.076 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

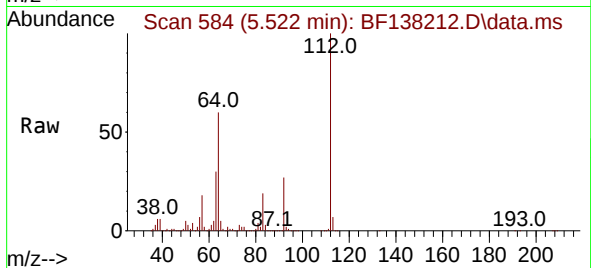
Tgt Ion: 42 Resp: 588259
Ion Ratio Lower Upper
42 100
74 144.9 109.9 164.9
44 7.4 5.2 7.8





#5
2-Fluorophenol
Concen: 112.487 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

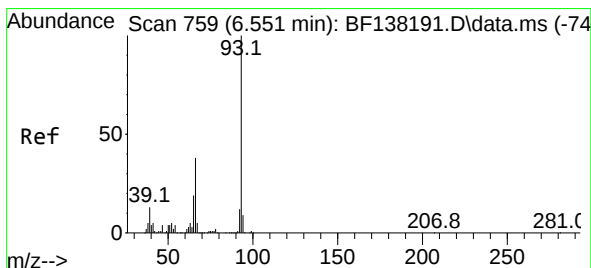
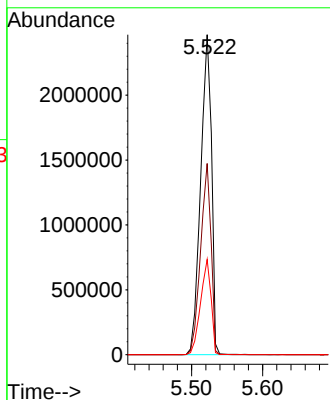
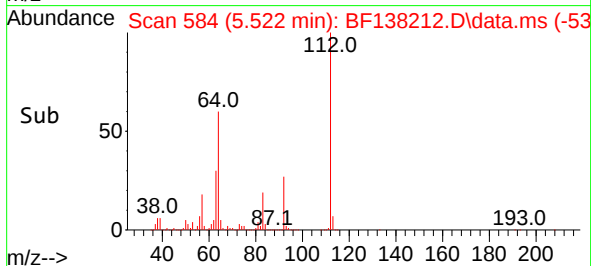
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion:112 Resp: 2632239
Ion Ratio Lower Upper
112 100
64 59.8 45.2 67.8
63 29.7 22.9 34.3

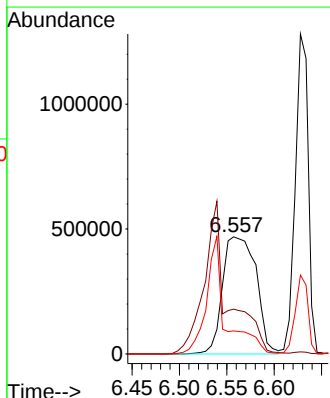
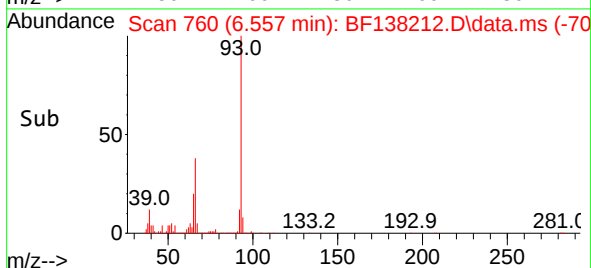
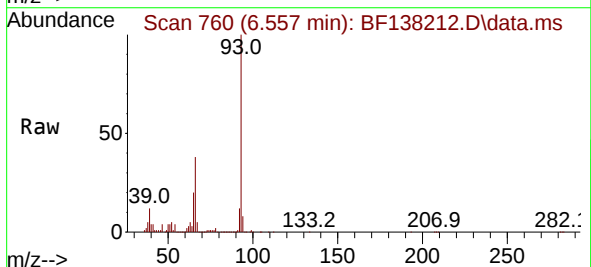
Manual Integrations
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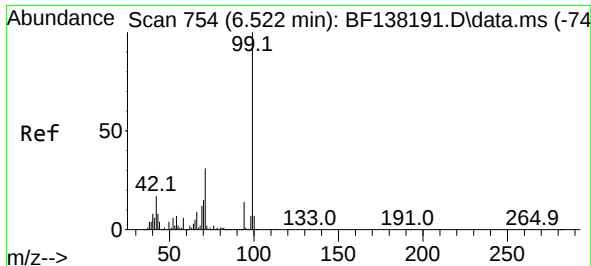
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#6
Aniline
Concen: 39.874 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

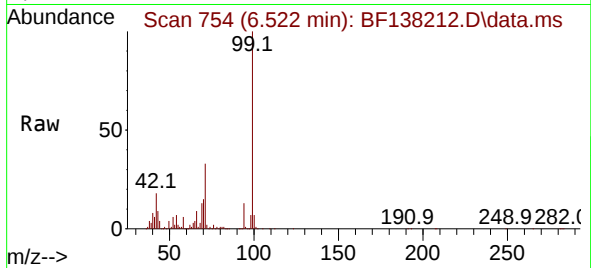
Tgt Ion: 93 Resp: 1157701
Ion Ratio Lower Upper
93 100
66 38.2 30.8 46.2
65 19.7 15.5 23.3





#7
Phenol-d6
Concen: 112.554 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

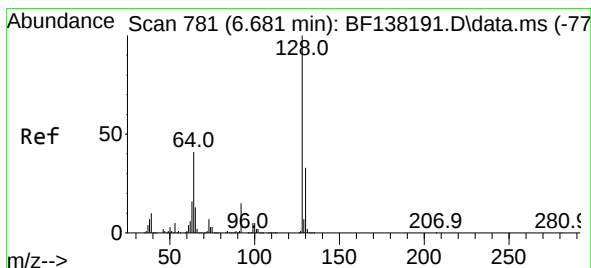
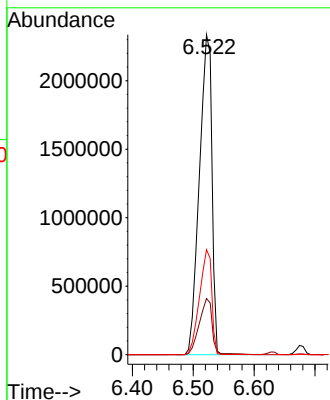
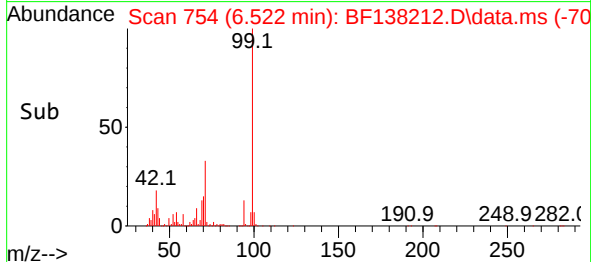
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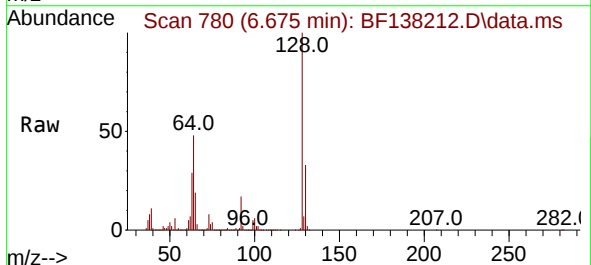
Tgt Ion: 99 Resp: 333976
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 32.8 25.0 37.6

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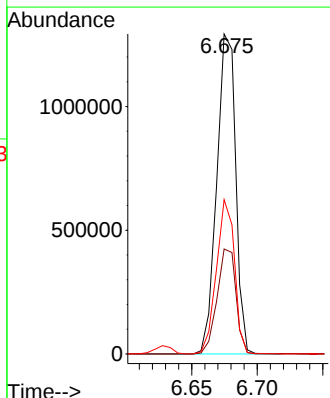
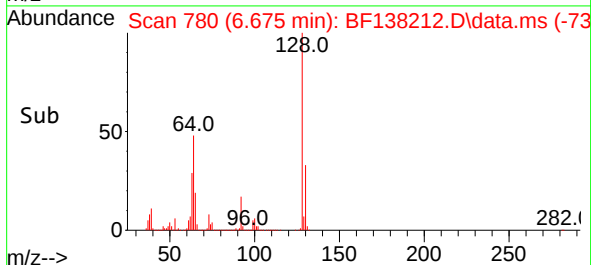
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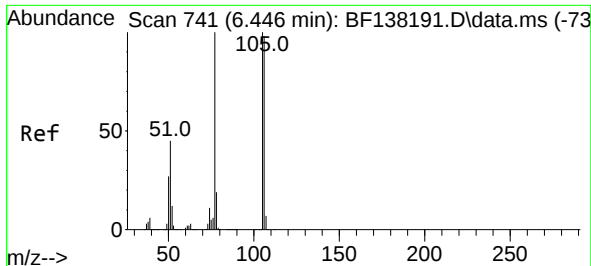


#8
2-Chlorophenol
Concen: 51.274 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



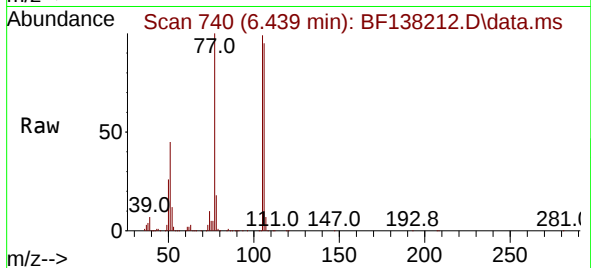
Tgt Ion:128 Resp: 1297170
Ion Ratio Lower Upper
128 100
130 32.8 13.1 53.1
64 48.2 21.8 61.8





#9
Benzaldehyde
Concen: 15.795 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.007 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

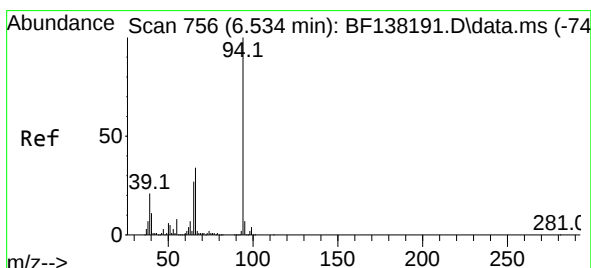
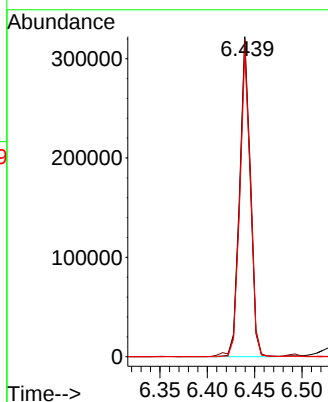
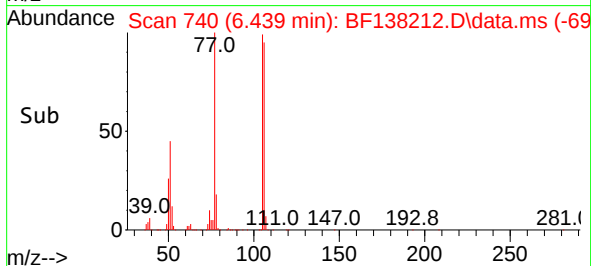
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion: 77 Resp: 248920
Ion Ratio Lower Upper
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105 99.1 80.1 120.1
106 94.8 77.8 117.8

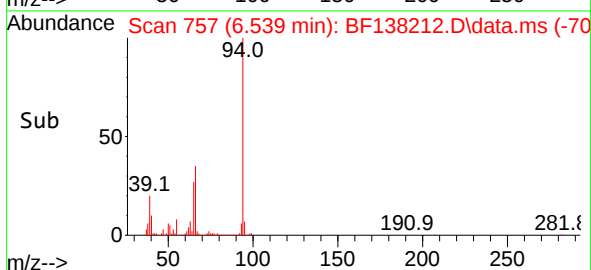
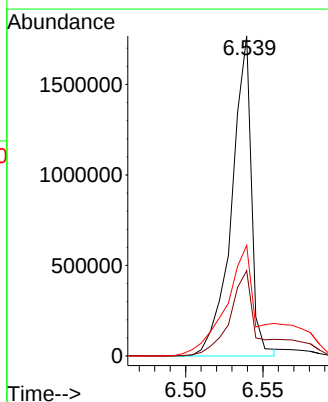
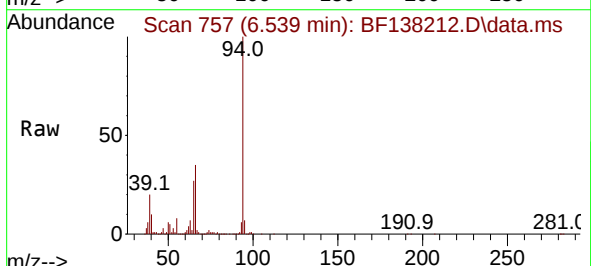
Manual Integrations
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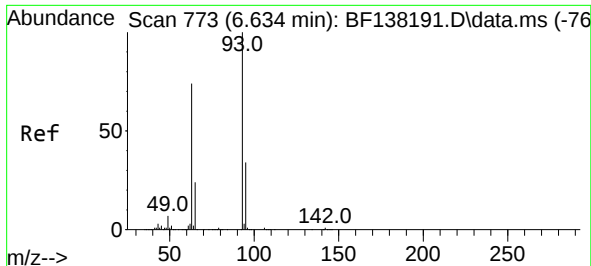
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#10
Phenol
Concen: 52.038 ng m
RT: 6.539 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 94 Resp: 1566992
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 34.6 14.2 54.2





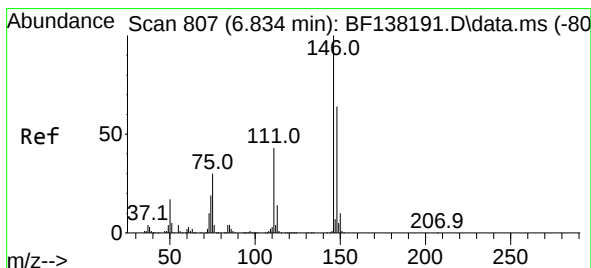
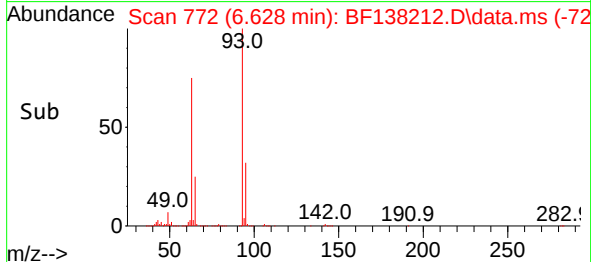
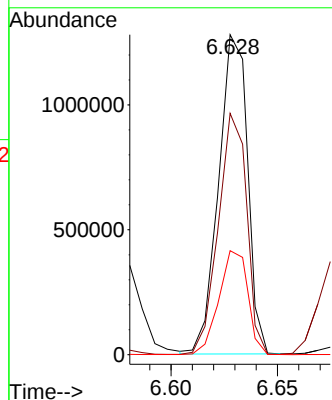
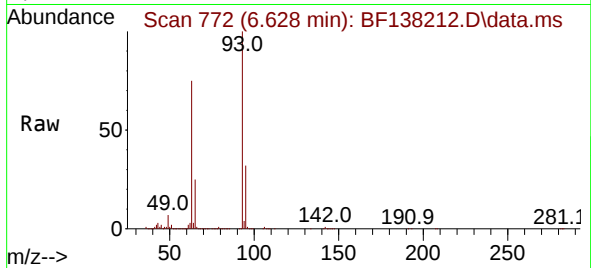
#11
bis(2-Chloroethyl)ether
Concen: 50.197 ng
RT: 6.628 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

Tgt Ion: 93 Resp: 120976
Ion Ratio Lower Upper
93 100
63 75.4 52.5 92.5
95 32.5 13.2 53.2

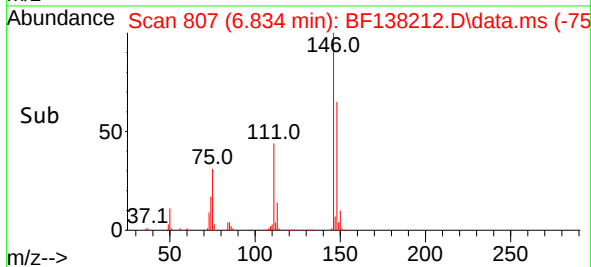
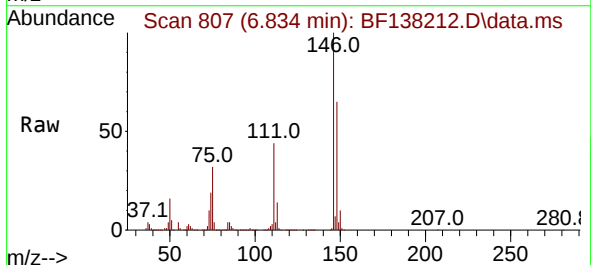
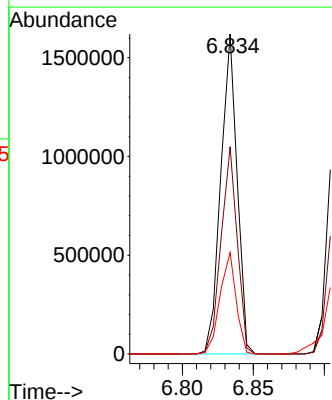
Manual Integrations
APPROVED

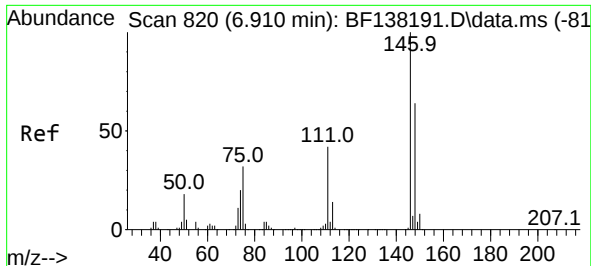
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#12
1,3-Dichlorobenzene
Concen: 44.997 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

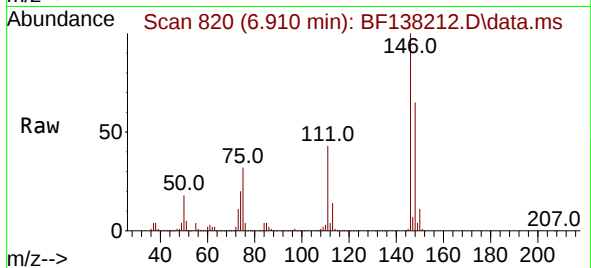
Tgt Ion:146 Resp: 1293727
Ion Ratio Lower Upper
146 100
148 64.7 51.0 76.6
75 31.7 24.3 36.5





#13
1,4-Dichlorobenzene
Concen: 45.374 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

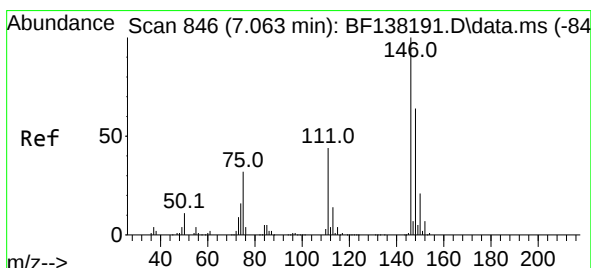
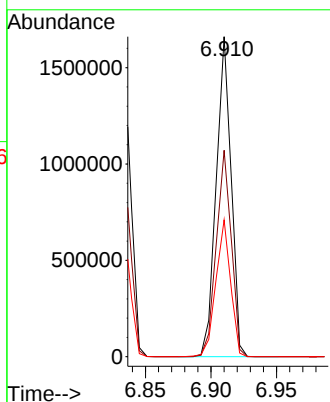
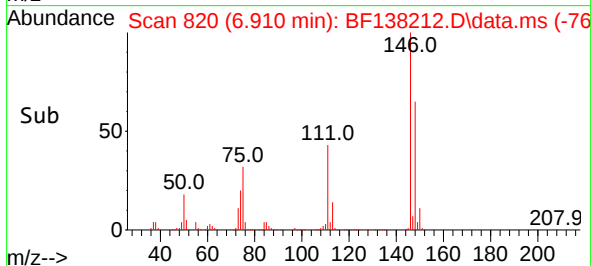
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



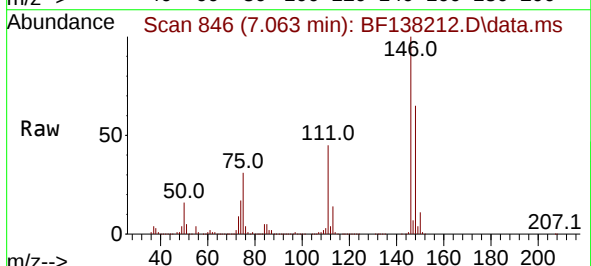
Tgt Ion:146 Resp: 131285
Ion Ratio Lower Upper
146 100
148 64.5 51.1 76.7
111 42.8 33.7 50.5

Manual Integrations
APPROVED

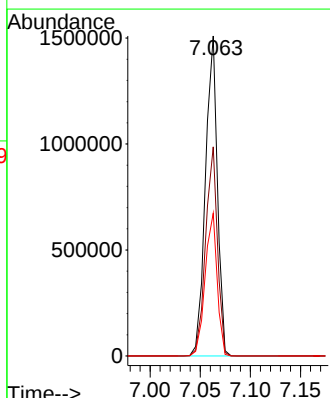
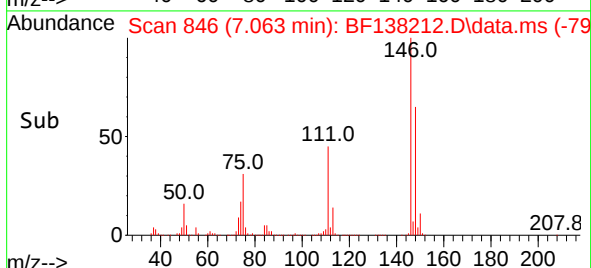
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

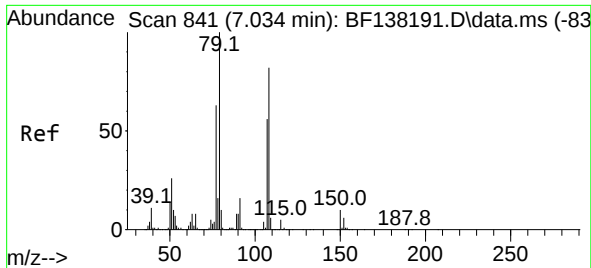


#14
1,2-Dichlorobenzene
Concen: 46.397 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



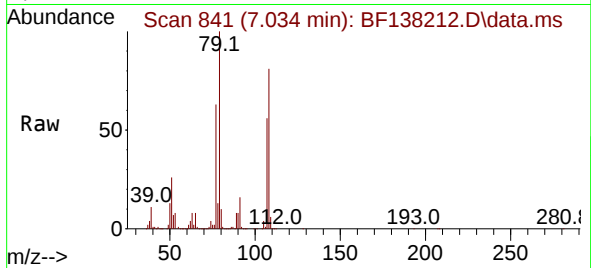
Tgt Ion:146 Resp: 1260224
Ion Ratio Lower Upper
146 100
148 65.3 51.2 76.8
111 44.6 35.4 53.2





#15
Benzyl Alcohol
Concen: 53.392 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

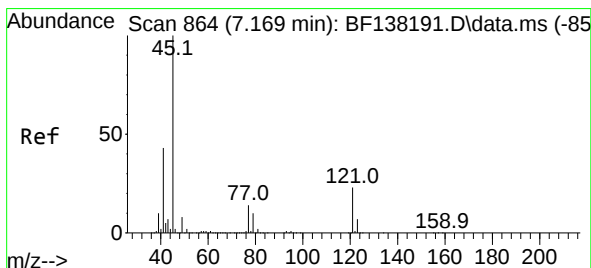
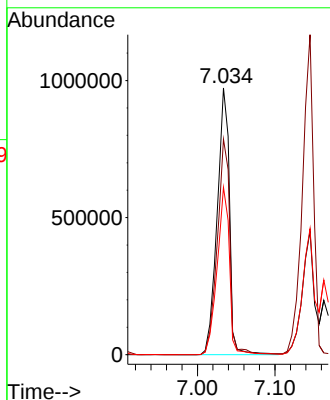
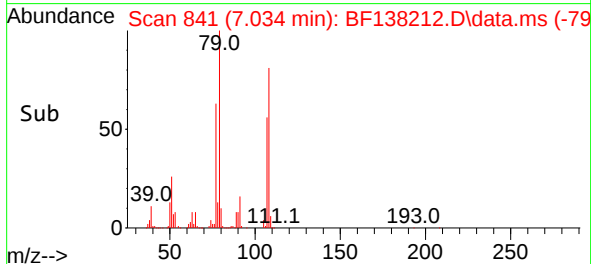
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



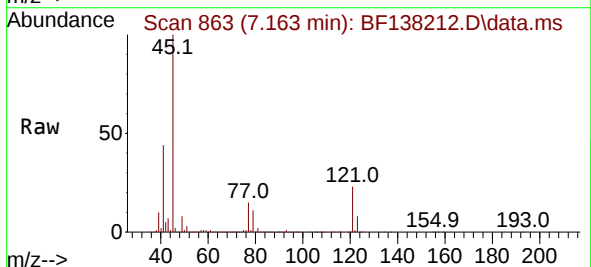
Tgt Ion: 79 Resp: 106823
Ion Ratio Lower Upper
79 100
108 80.8 65.9 98.9
77 62.8 50.3 75.5

Manual Integrations
APPROVED

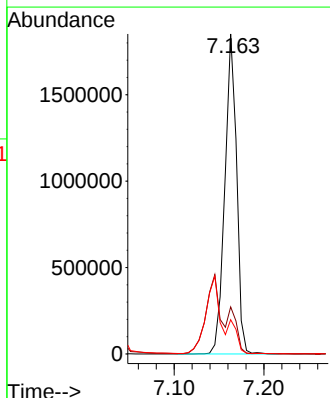
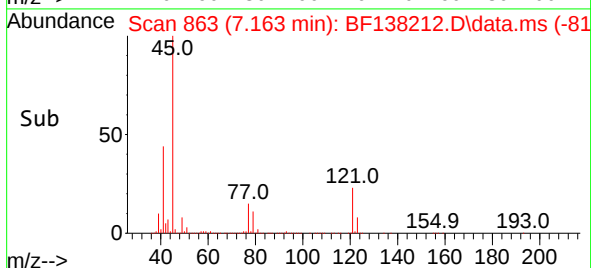
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

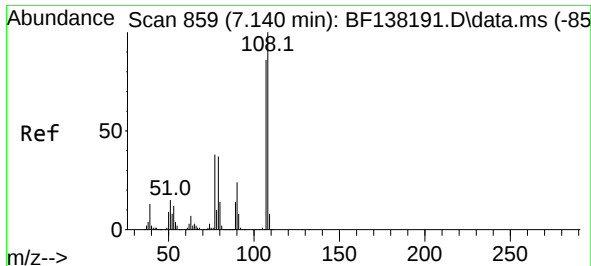


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.495 ng
RT: 7.163 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



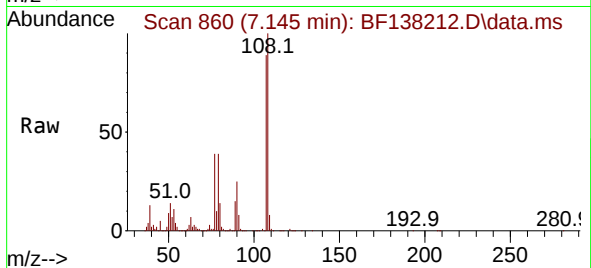
Tgt Ion: 45 Resp: 1683488
Ion Ratio Lower Upper
45 100
77 14.7 0.0 33.9
79 10.7 0.0 30.7





#17
2-Methylphenol
Concen: 51.393 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

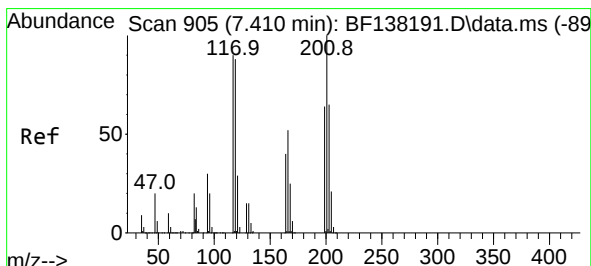
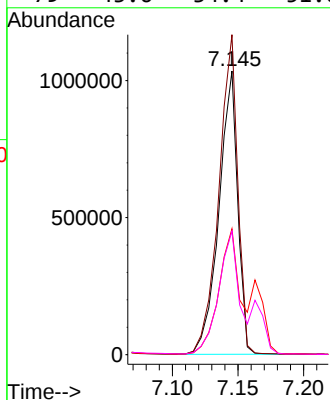
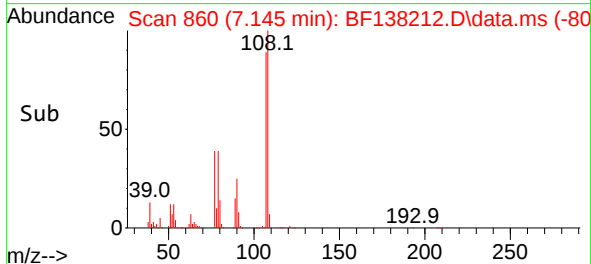


Tgt Ion:107 Resp: 102582

Ion	Ratio	Lower	Upper
107	100		
108	112.8	92.7	139.1
77	44.4	35.7	53.5
79	43.6	34.4	51.6

Manual Integrations
APPROVED

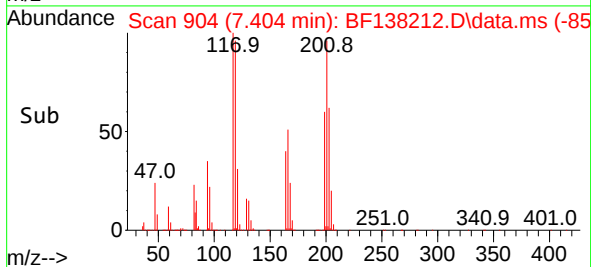
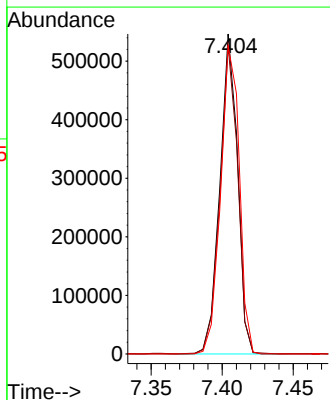
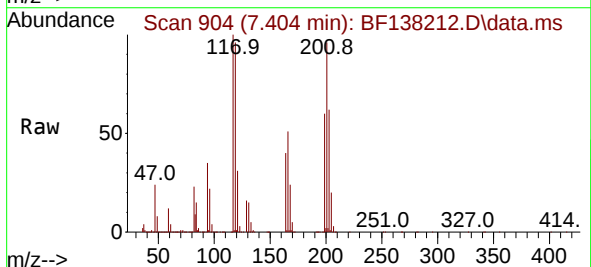
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

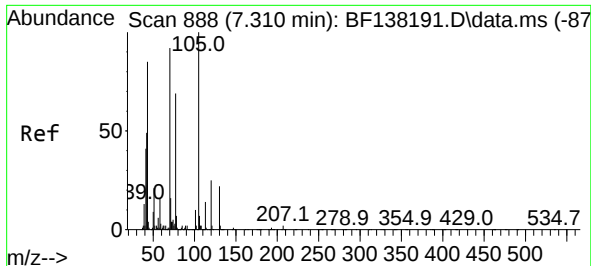


#18
Hexachloroethane
Concen: 48.178 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:117 Resp: 472258

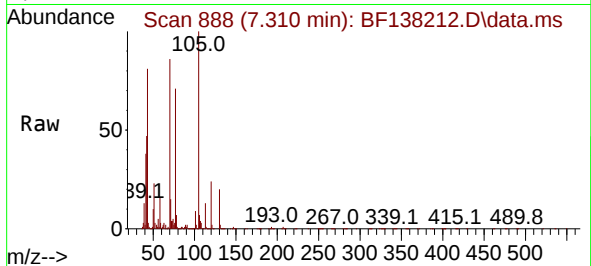
Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.4	117.6
201	96.4	89.0	133.6





#19
n-Nitroso-di-n-propylamine
Concen: 49.813 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

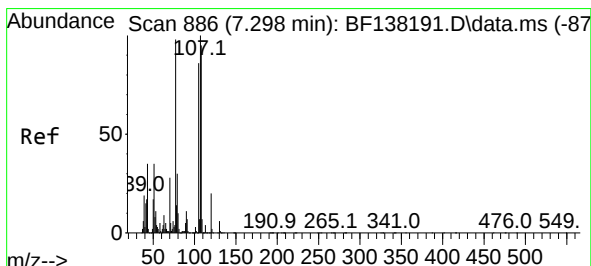
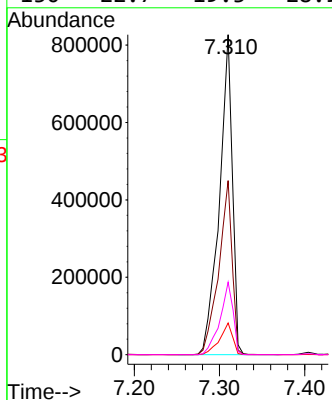
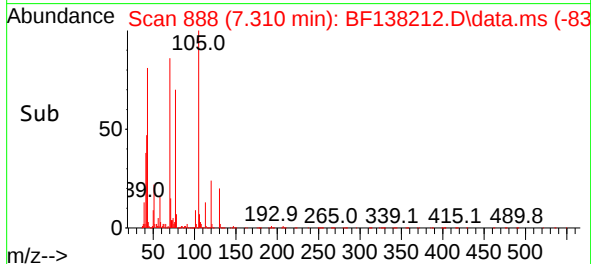
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



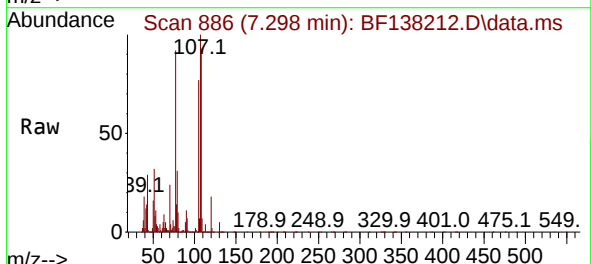
Tgt Ion:	70	Resp:	876140
Ion	Ratio	Lower	Upper
70	100		
42	54.4	42.8	64.2
101	9.9	8.4	12.6
130	22.7	19.3	28.9

Manual Integrations
APPROVED

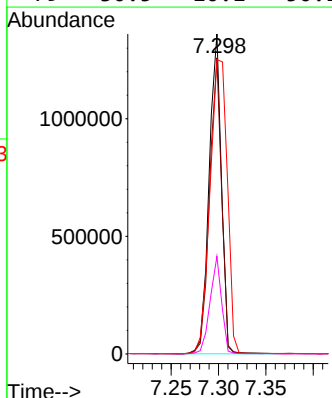
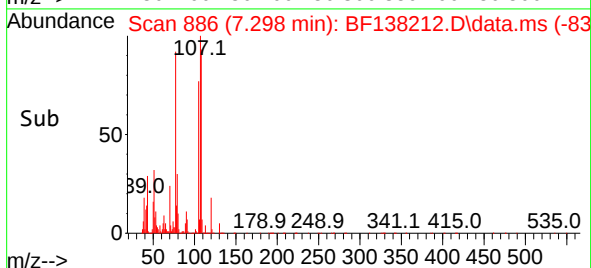
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

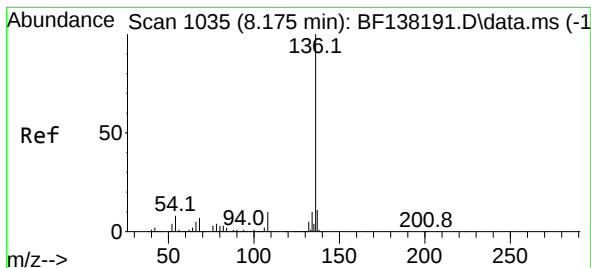


#20
3+4-Methylphenols
Concen: 48.755 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:	107	Resp:	1224898
Ion	Ratio	Lower	Upper
107	100		
108	92.6	74.9	114.9
77	92.0	78.2	118.2
79	30.5	10.1	50.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF138212.D

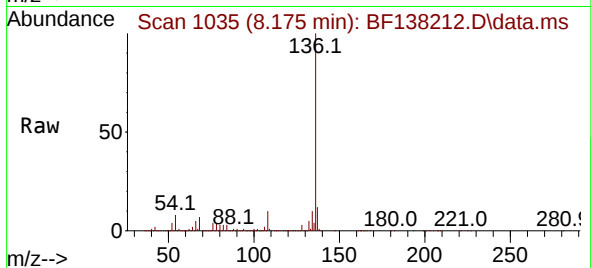
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD



Tgt Ion:136 Resp: 1541360

Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

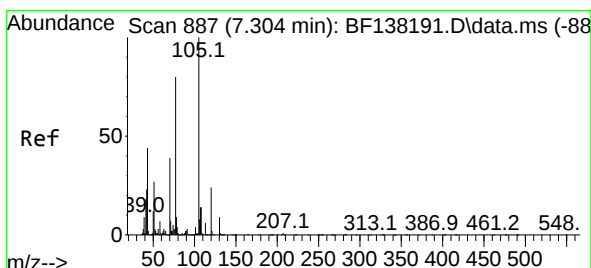
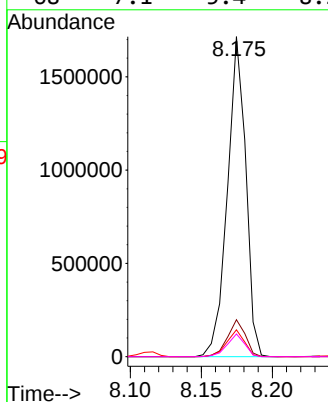
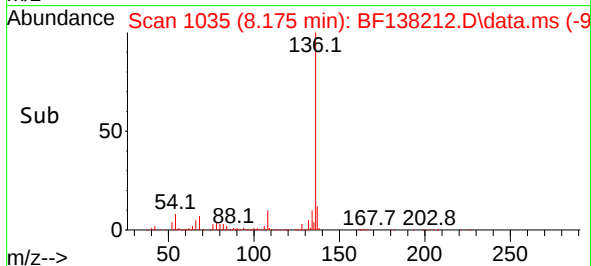
54 8.4 6.6 10.0

68 7.1 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#22

Acetophenone

Concen: 45.264 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:105 Resp: 1593772

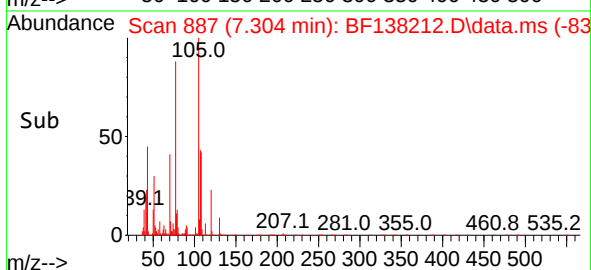
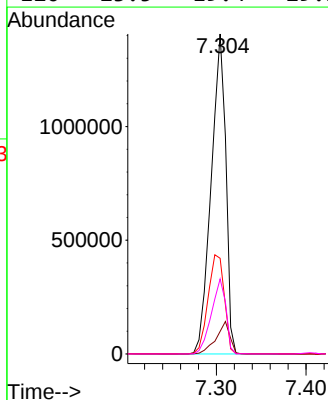
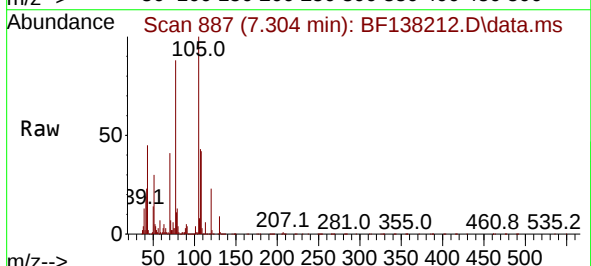
Ion Ratio Lower Upper

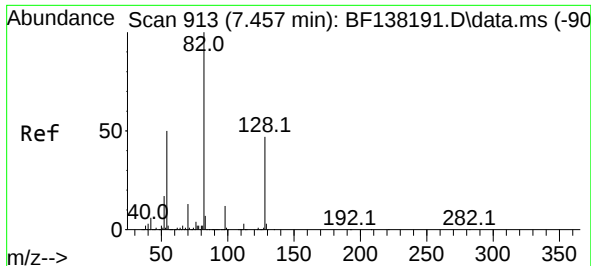
105 100

71 7.0 5.4 8.2

51 29.9 21.4 32.0

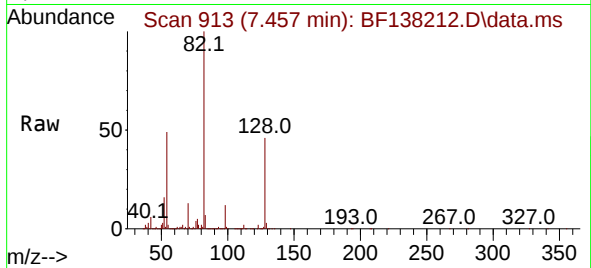
120 23.5 19.4 29.2





#23
Nitrobenzene-d5
Concen: 78.169 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

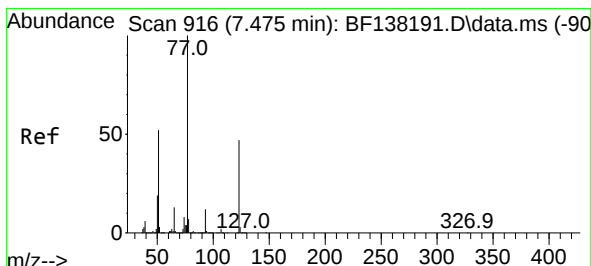
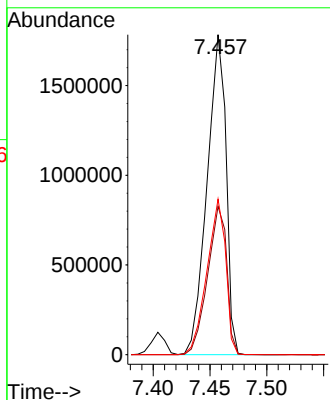
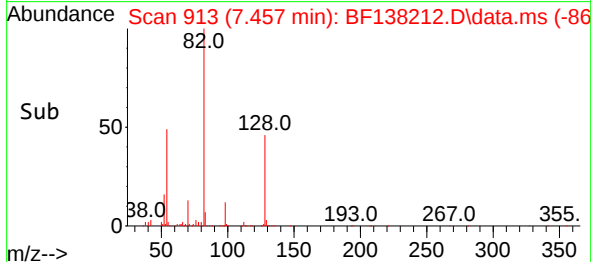
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion: 82 Resp: 206963
Ion Ratio Lower Upper
82 100
128 46.4 37.2 55.8
54 48.6 39.8 59.6

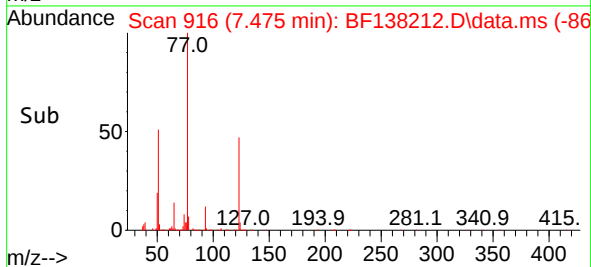
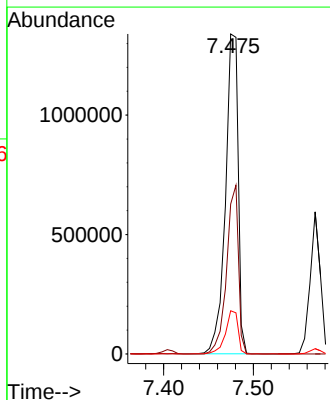
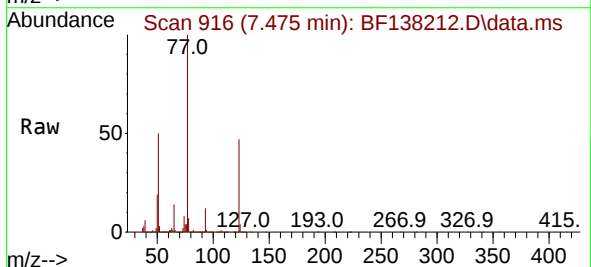
Manual Integrations
APPROVED

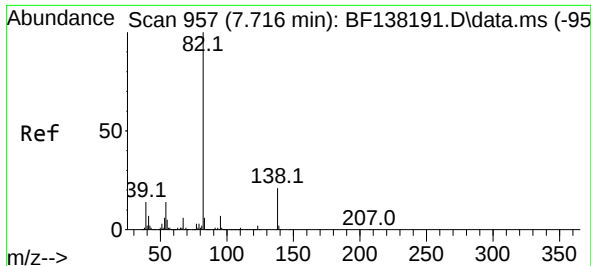
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#24
Nitrobenzene
Concen: 48.257 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

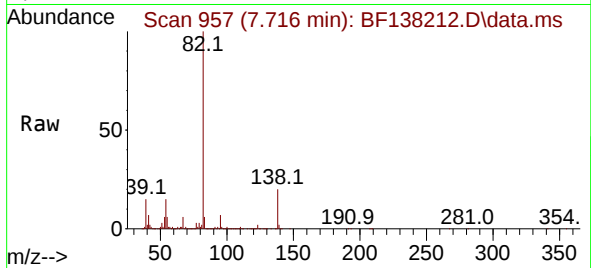
Tgt Ion: 77 Resp: 1320526
Ion Ratio Lower Upper
77 100
123 46.8 37.3 55.9
65 13.5 10.6 15.8





#25
Isophorone
Concen: 50.136 ng
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

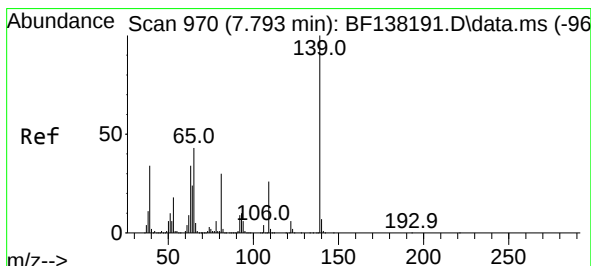
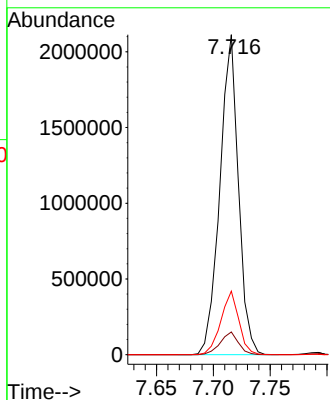
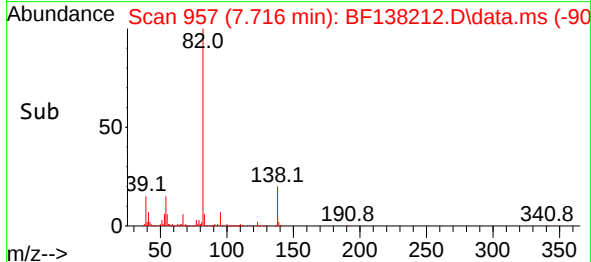
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



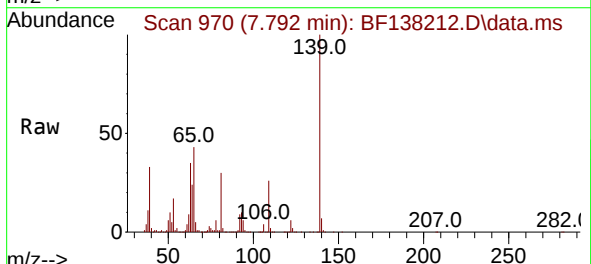
Tgt Ion: 82 Resp: 240105
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 19.9 16.4 24.6

Manual Integrations
APPROVED

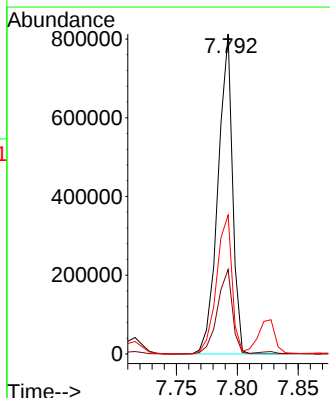
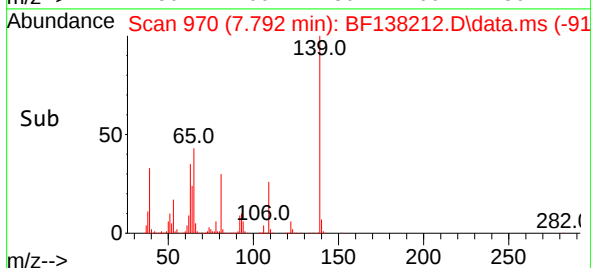
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

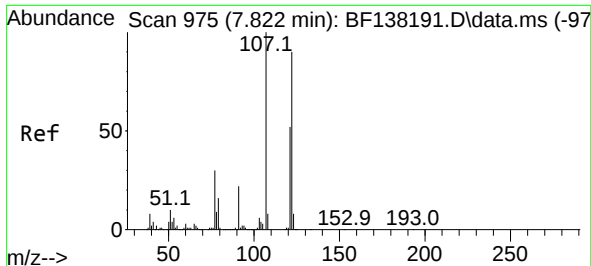


#26
2-Nitrophenol
Concen: 61.719 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.001 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:139 Resp: 679125
Ion Ratio Lower Upper
139 100
109 26.4 20.7 31.1
65 43.4 34.5 51.7





#27

2,4-Dimethylphenol

Concen: 54.491 ng m

RT: 7.828 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138212.D

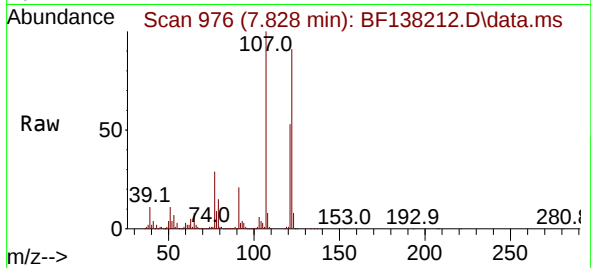
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD



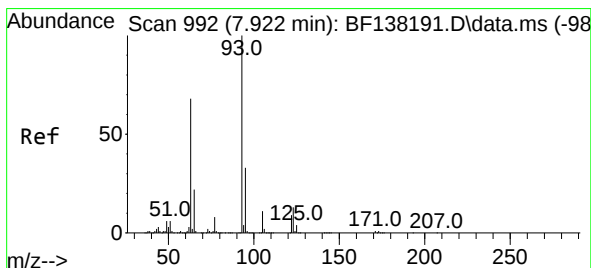
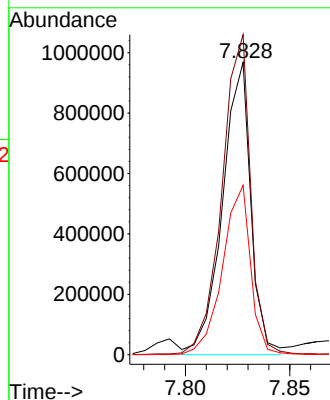
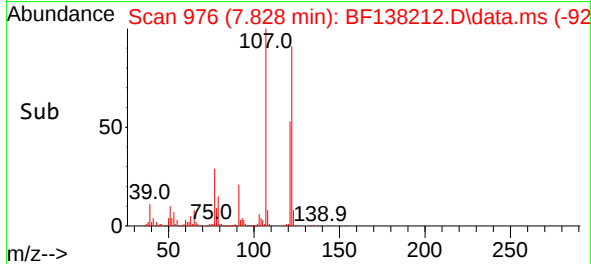
Tgt Ion:122 Resp: 91221

Ion	Ratio	Lower	Upper
122	100		
107	109.5	87.7	131.5
121	58.0	45.8	68.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#28

bis(2-Chloroethoxy)methane

Concen: 49.701 ng

RT: 7.928 min Scan# 993

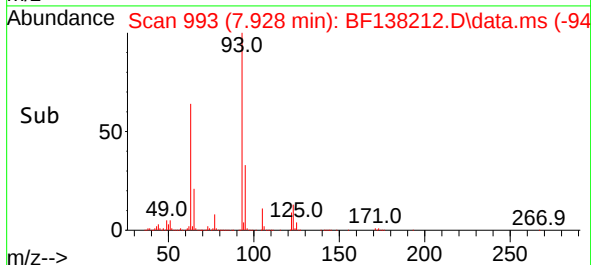
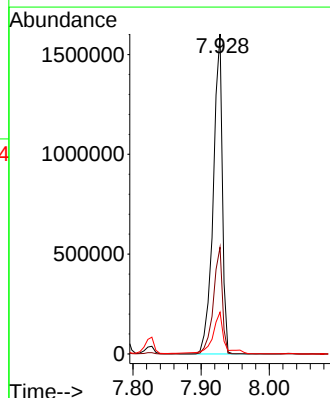
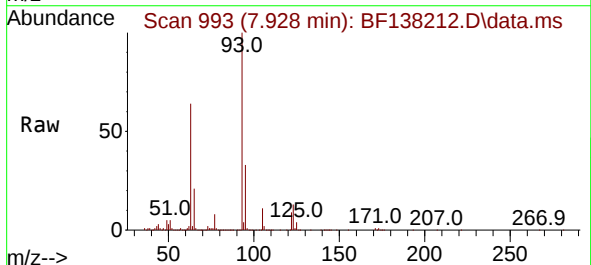
Delta R.T. 0.006 min

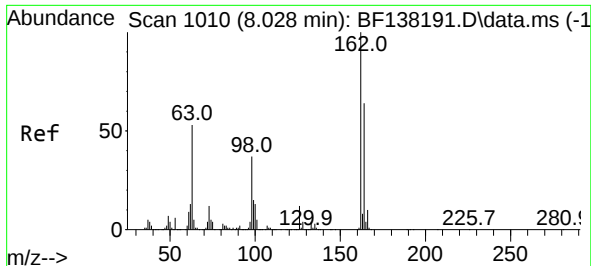
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion: 93 Resp: 1489952

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	39.8
123	13.0	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 49.461 ng

RT: 8.034 min Scan# 1010

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:162 Resp: 106602

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

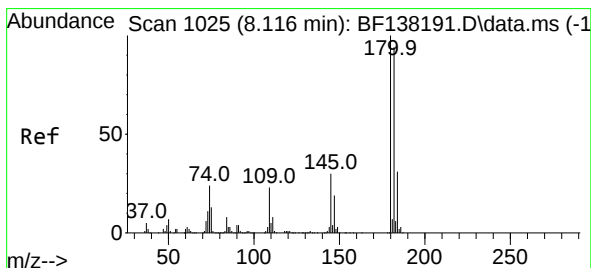
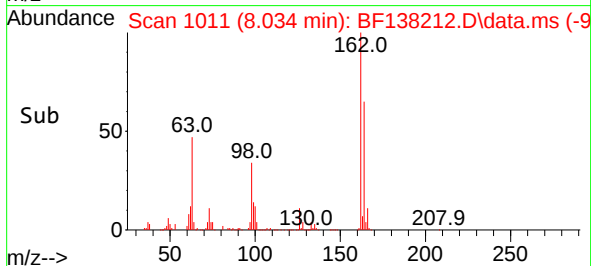
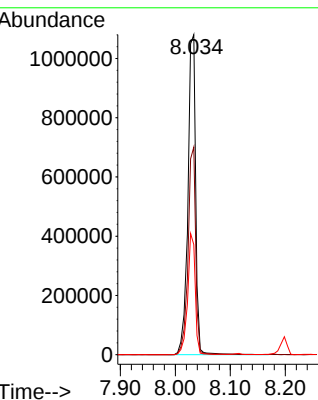
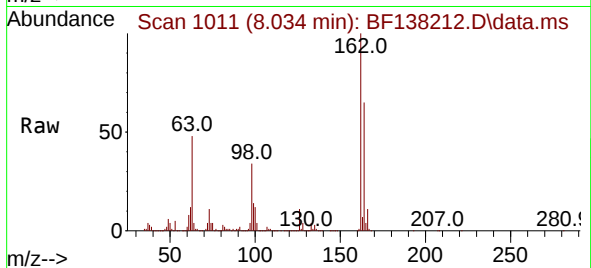
98 34.4 16.5 56.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#30

1,2,4-Trichlorobenzene

Concen: 44.814 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

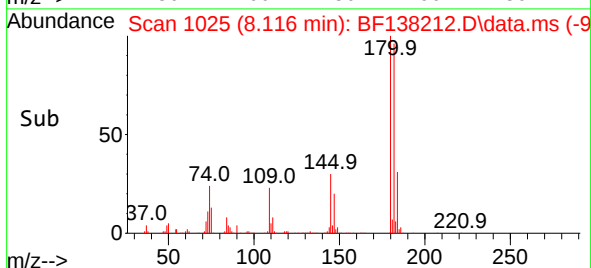
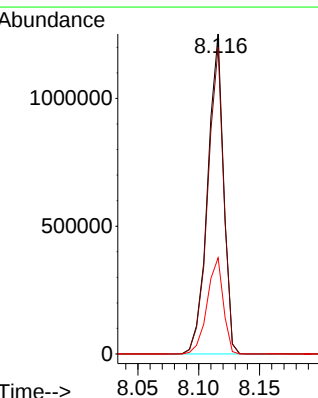
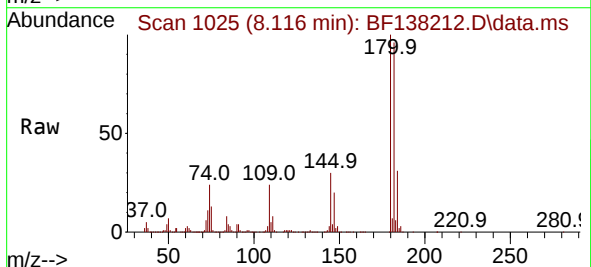
Tgt Ion:180 Resp: 1139068

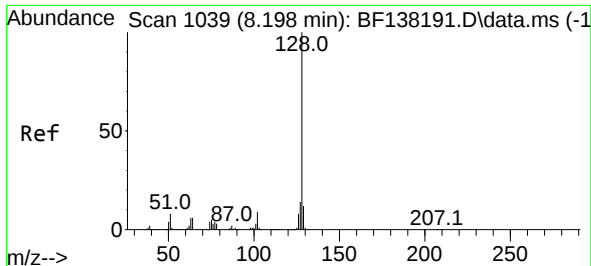
Ion Ratio Lower Upper

180 100

182 95.9 75.0 112.6

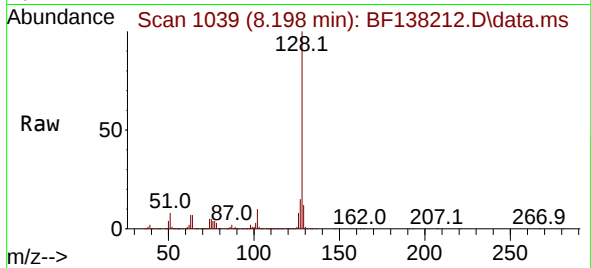
145 30.0 23.8 35.6





#31
Naphthalene
Concen: 45.208 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

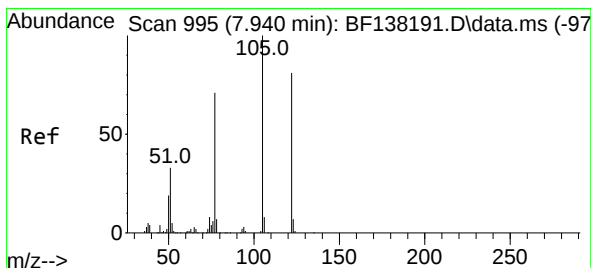
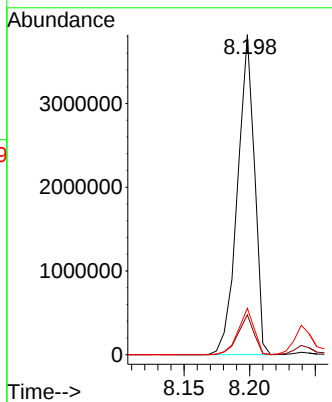
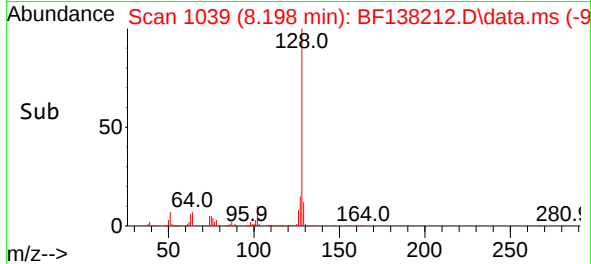
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion:128 Resp: 3445610
Ion Ratio Lower Upper
128 100
129 12.4 9.5 14.3
127 14.5 11.0 16.6

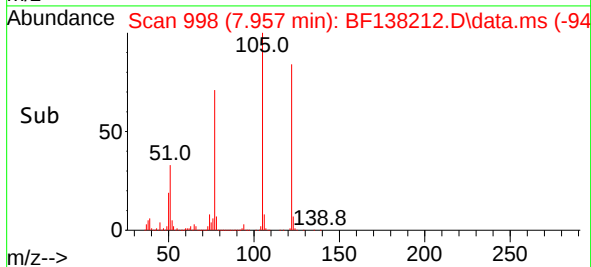
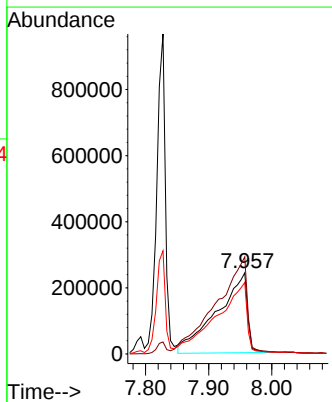
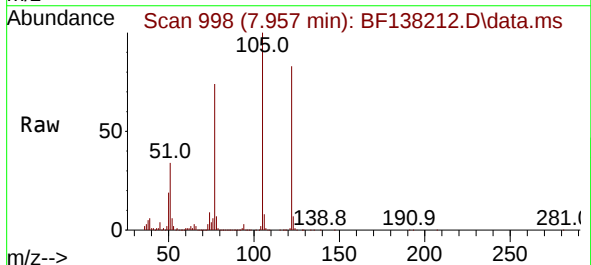
Manual Integrations
APPROVED

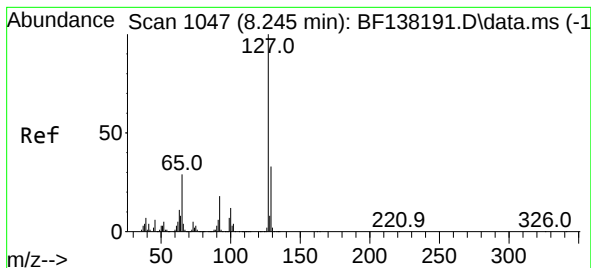
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#32
Benzoic acid
Concen: 54.733 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.017 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:122 Resp: 807553
Ion Ratio Lower Upper
122 100
105 119.9 100.1 140.1
77 88.1 66.5 106.5





#33

4-Chloroaniline

Concen: 14.162 ng

RT: 8.239 min Scan# 1046

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:127 Resp: 40342

Ion Ratio Lower Upper

127 100

129 31.3 26.1 39.1

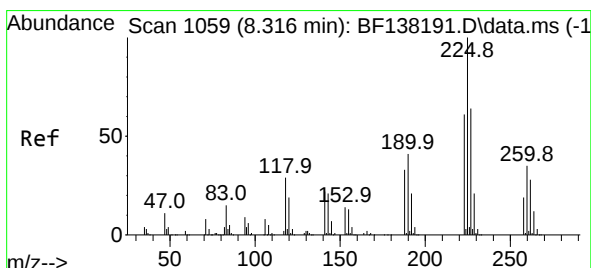
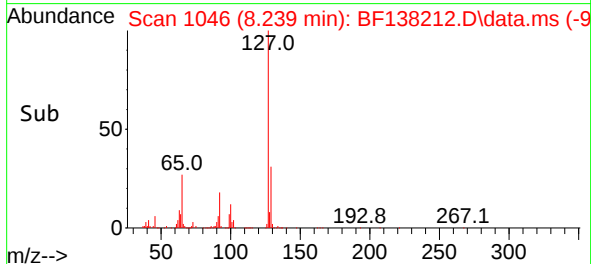
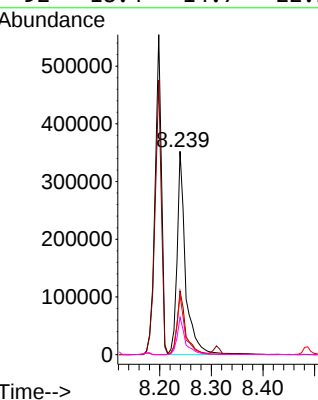
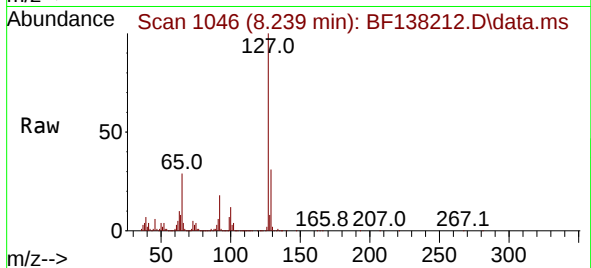
65 29.2 23.6 35.4

92 18.4 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#34

Hexachlorobutadiene

Concen: 43.378 ng

RT: 8.310 min Scan# 1058

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

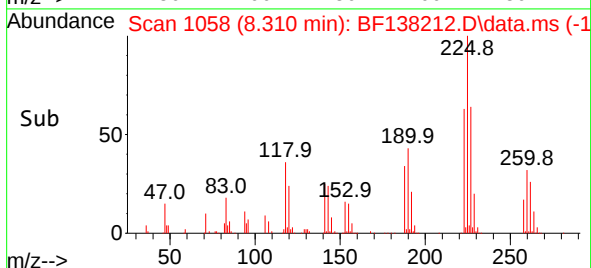
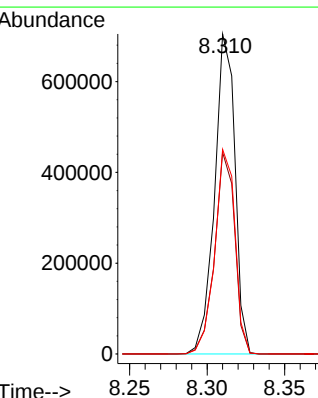
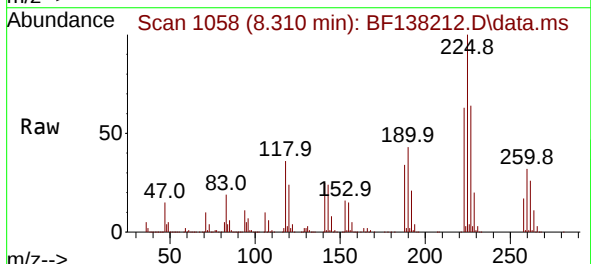
Tgt Ion:225 Resp: 644838

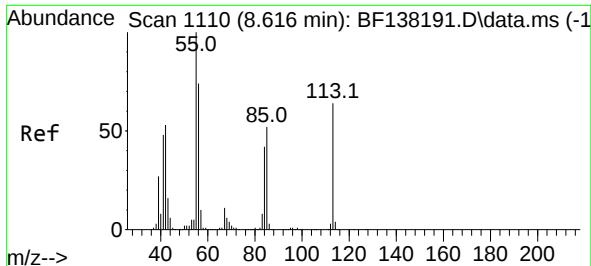
Ion Ratio Lower Upper

225 100

223 63.0 49.0 73.6

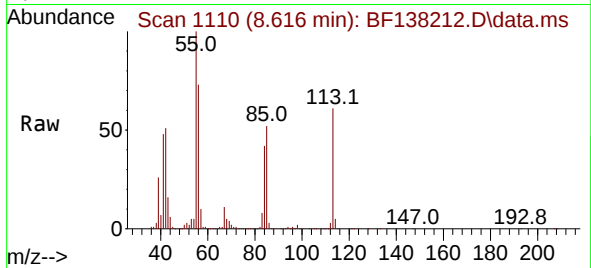
227 64.0 51.2 76.8





#35
Caprolactam
Concen: 53.885 ng m
RT: 8.616 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

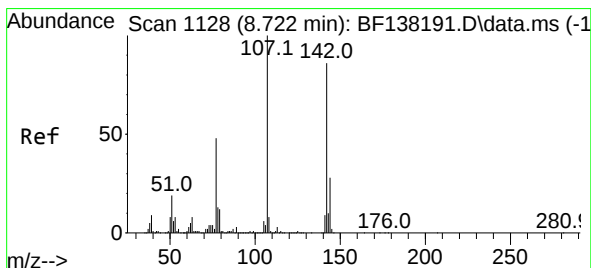
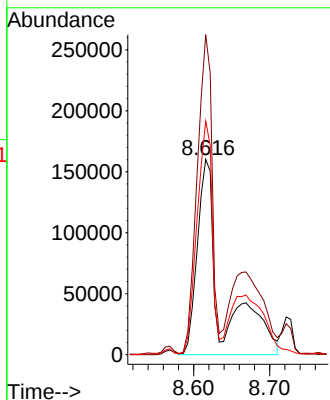
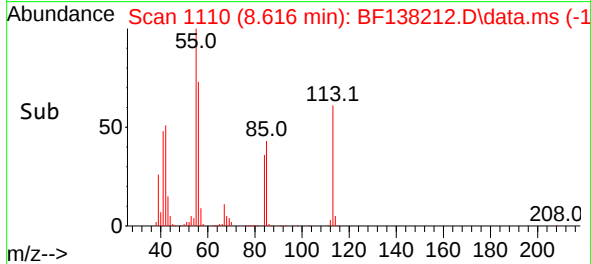
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



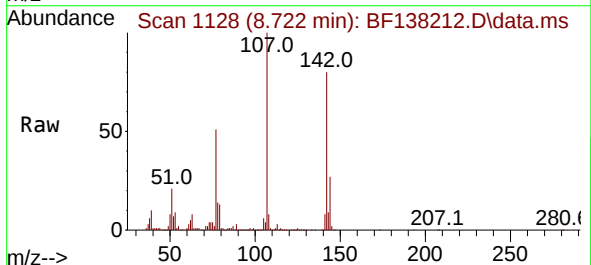
Tgt Ion:113 Resp: 35062
Ion Ratio Lower Upper
113 100
55 163.9 135.4 175.4
56 119.8 95.5 135.5

Manual Integrations
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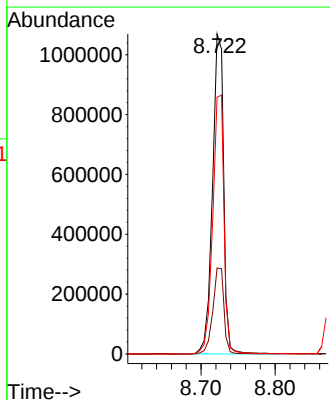
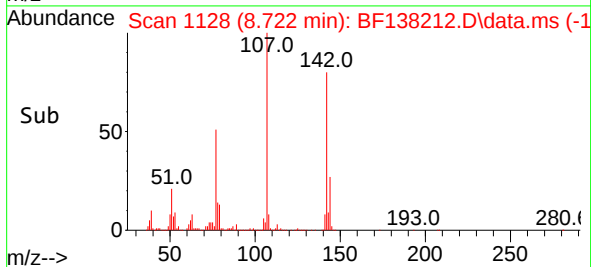
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

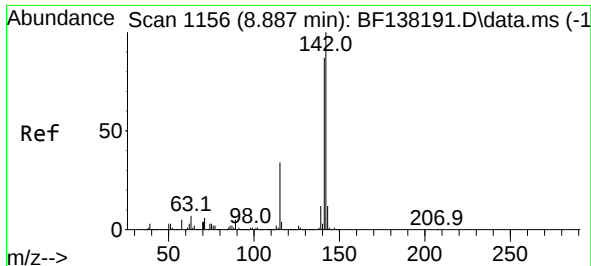


#36
4-Chloro-3-methylphenol
Concen: 52.016 ng
RT: 8.722 min Scan# 1128
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:107 Resp: 1116220
Ion Ratio Lower Upper
107 100
144 26.8 22.6 34.0
142 80.2 69.0 103.4





#37
2-Methylnaphthalene
Concen: 46.272 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

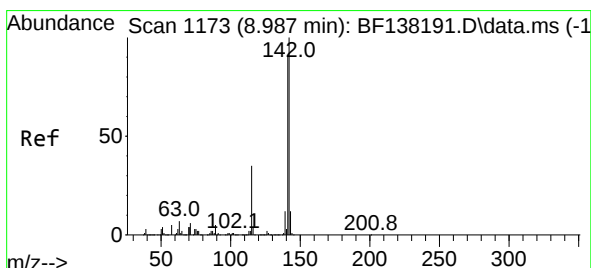
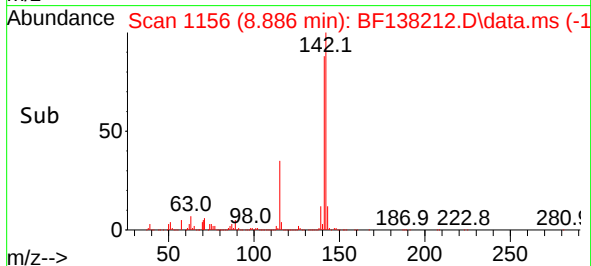
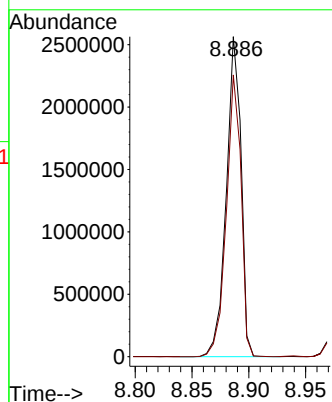
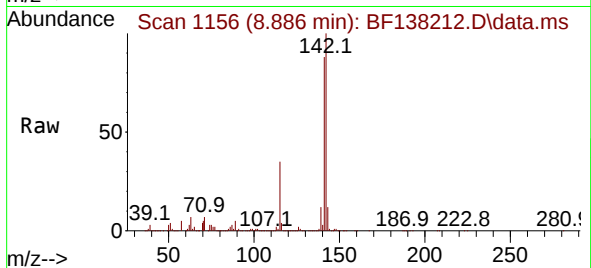
Soil/Gravel-SPMSD

Tgt Ion:142 Resp: 231452
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9

Manual Integrations

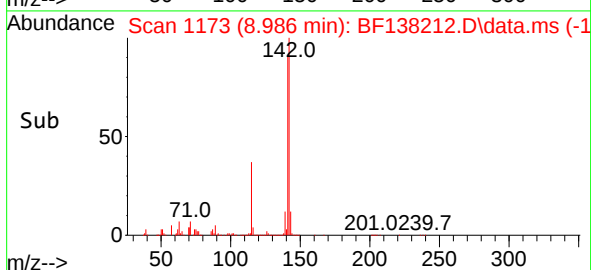
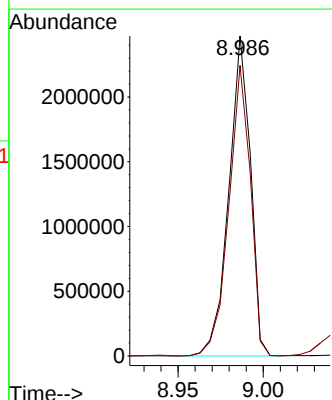
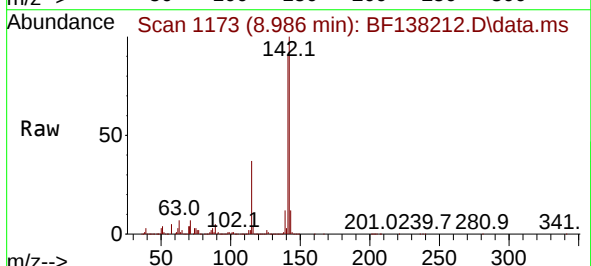
APPROVED

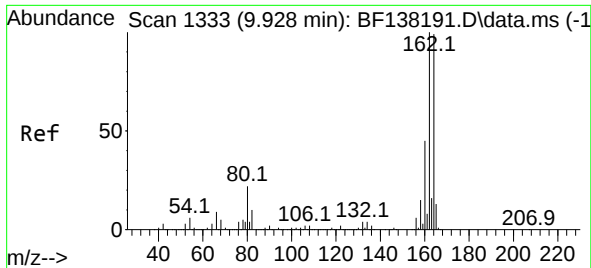
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#38
1-Methylnaphthalene
Concen: 44.335 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:142 Resp: 2173212
Ion Ratio Lower Upper
142 100
141 90.8 72.8 109.2





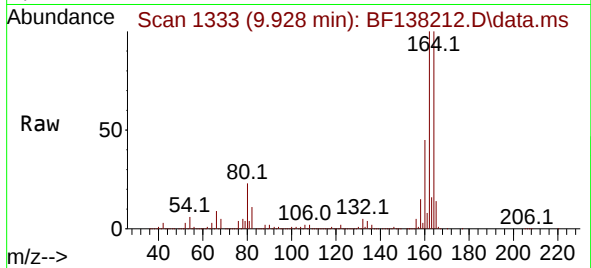
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

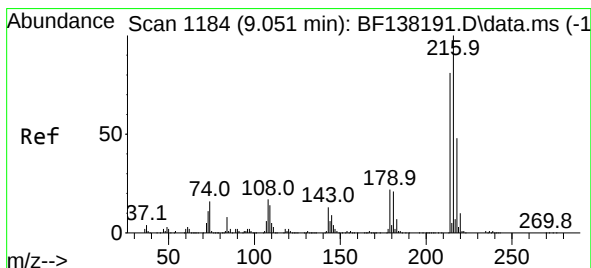
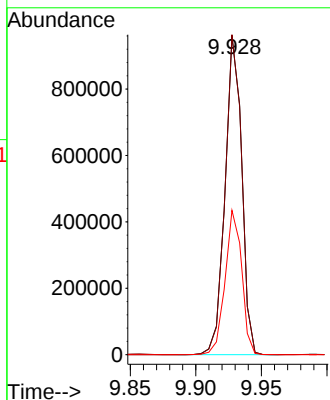
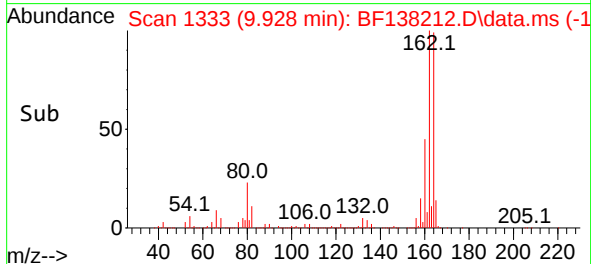


Tgt Ion:164 Resp: 848450
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 45.3 36.3 54.5

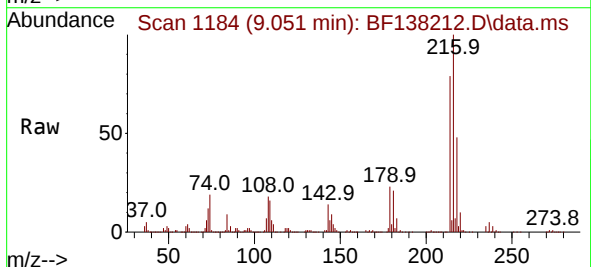
Manual Integrations

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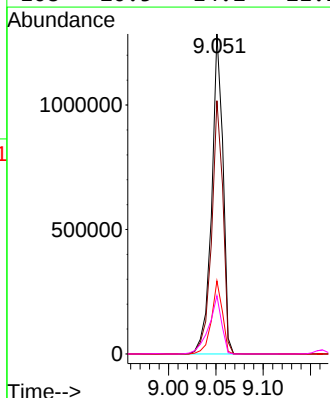
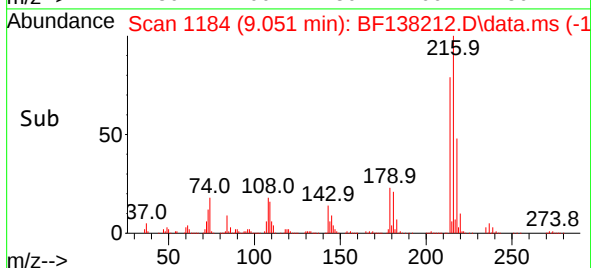
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

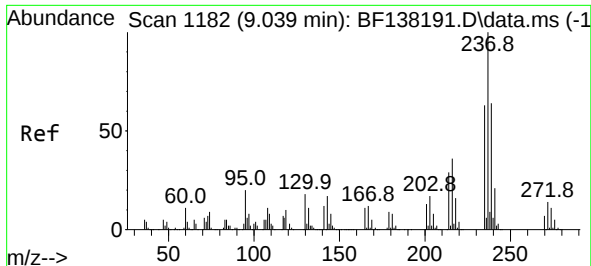


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.716 ng
RT: 9.051 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



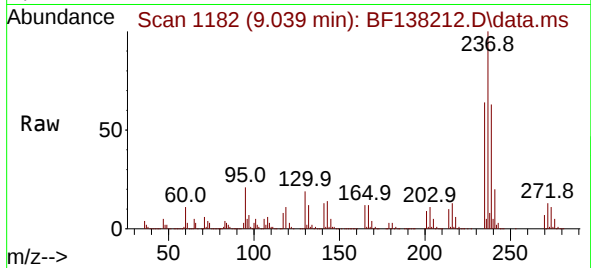
Tgt Ion:216 Resp: 1059077
Ion Ratio Lower Upper
216 100
214 79.2 63.7 95.5
179 22.0 16.9 25.3
108 20.5 14.2 21.2





#41
Hexachlorocyclopentadiene
Concen: 139.967 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

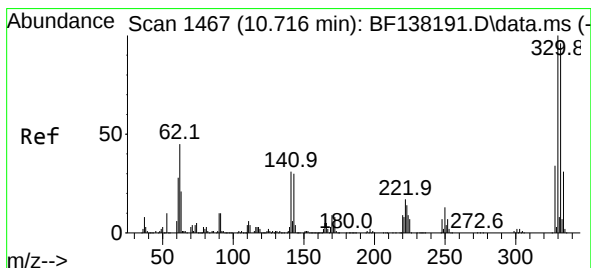
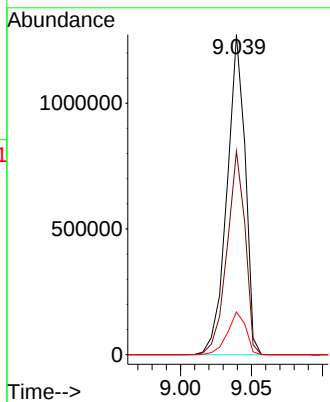
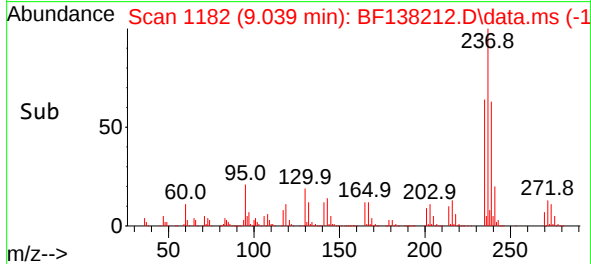
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



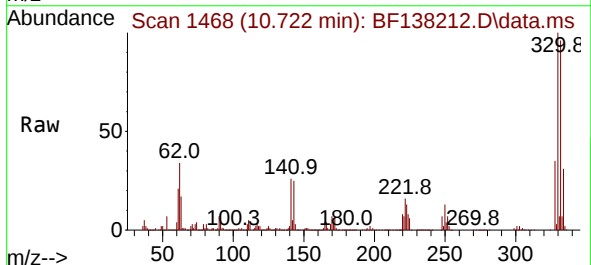
Tgt Ion:237 Resp: 1131544
Ion Ratio Lower Upper
237 100
235 63.6 43.3 83.3
272 13.3 0.0 34.0

Manual Integrations
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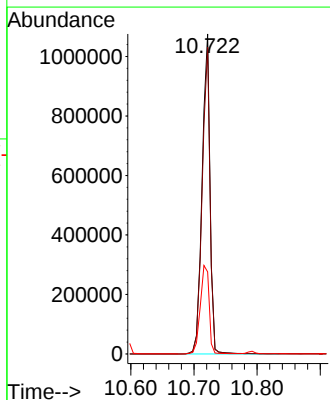
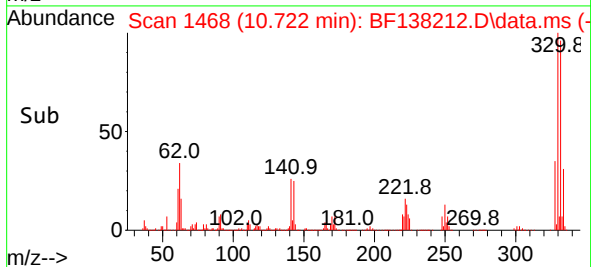
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

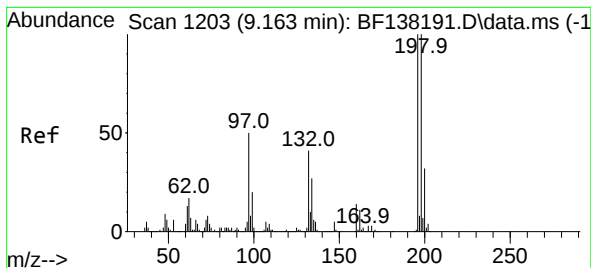


#42
2,4,6-Tribromophenol
Concen: 110.325 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:330 Resp: 931865
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 30.9 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 50.176 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138212.D

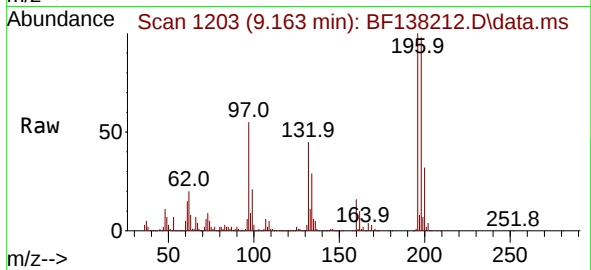
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD



Tgt Ion:196 Resp: 778940

Ion Ratio Lower Upper

196 100

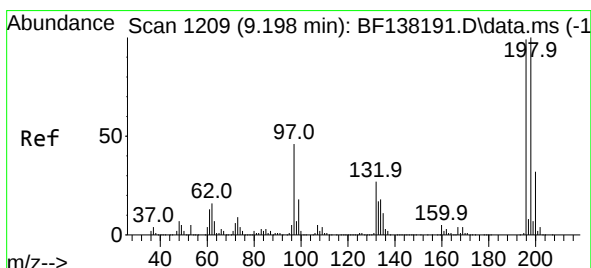
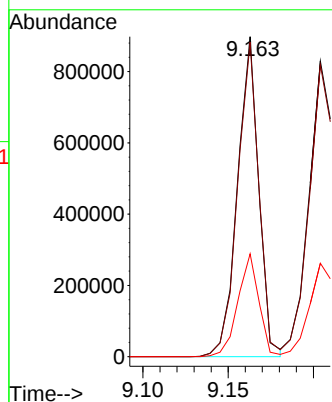
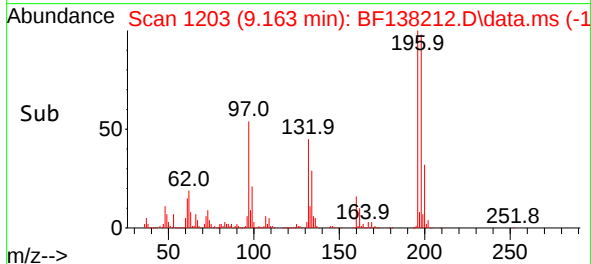
198 98.3 79.8 119.6

200 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#44

2,4,5-Trichlorophenol

Concen: 48.581 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:196 Resp: 828236

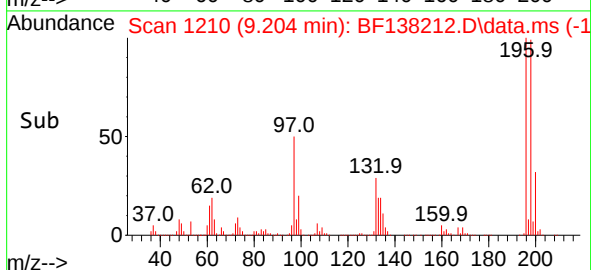
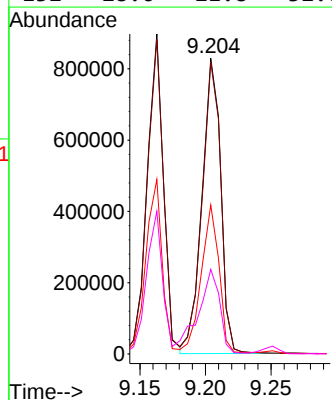
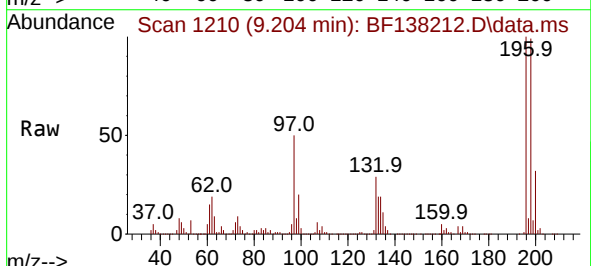
Ion Ratio Lower Upper

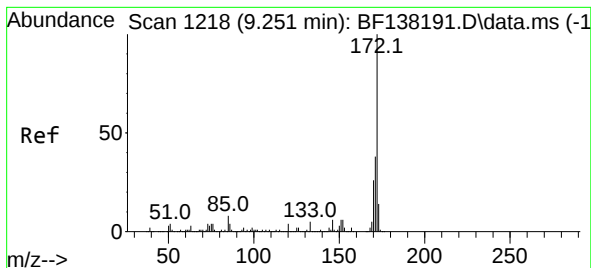
196 100

198 98.7 80.4 120.6

97 50.4 37.4 56.2

132 28.6 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 68.671 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:172 Resp: 3664039

Ion Ratio Lower Upper

172 100

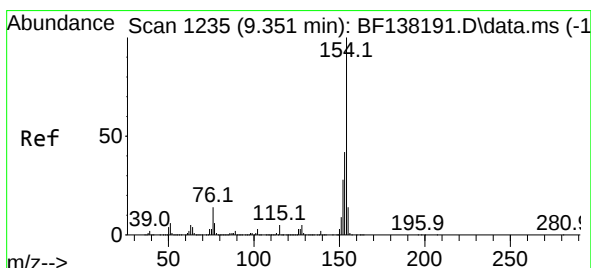
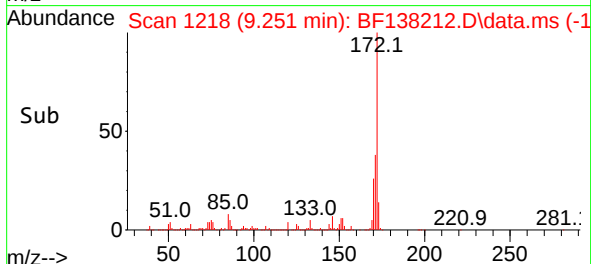
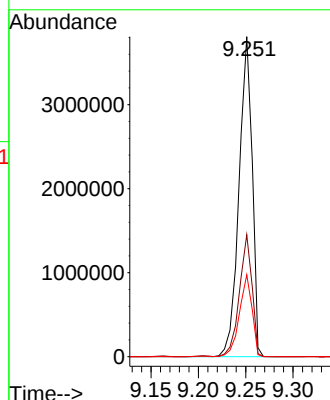
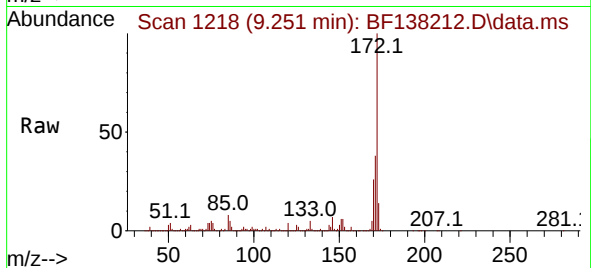
171 38.1 30.3 45.5

170 25.6 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#46

1,1'-Biphenyl

Concen: 43.891 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

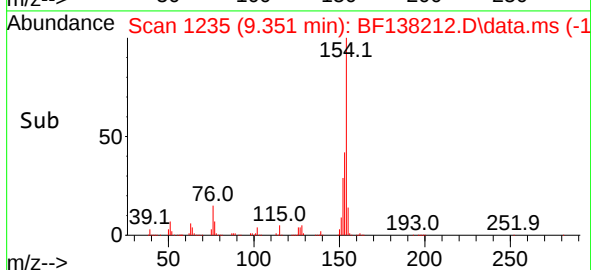
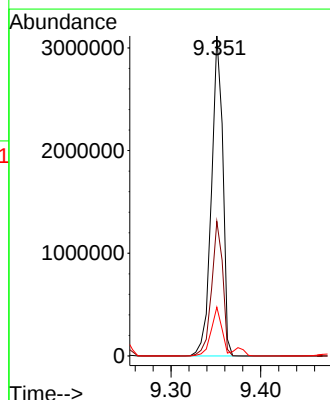
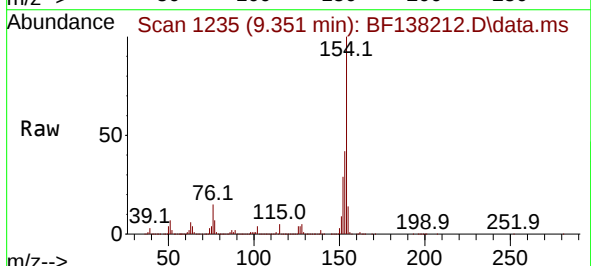
Tgt Ion:154 Resp: 2732595

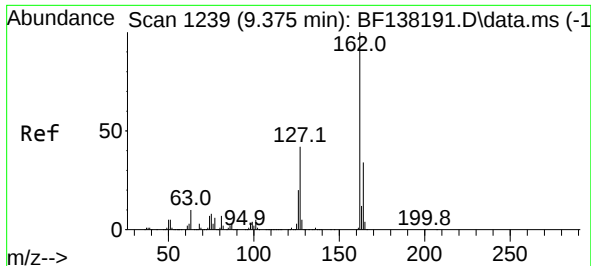
Ion Ratio Lower Upper

154 100

153 42.0 22.1 62.1

76 15.3 0.0 34.3





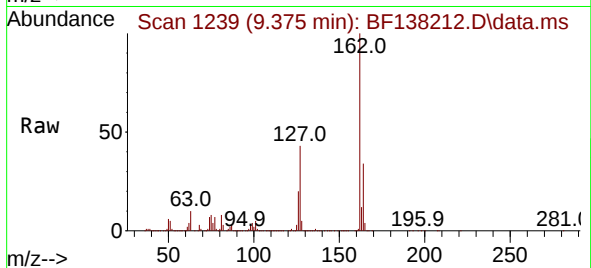
#47
2-Chloronaphthalene
Concen: 45.174 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

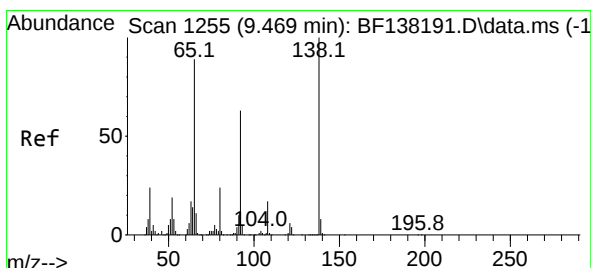
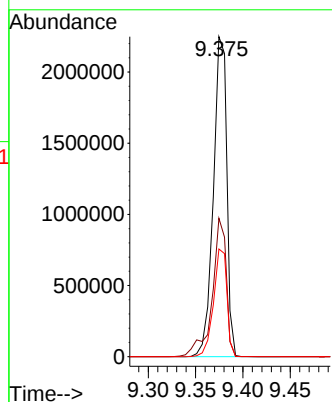
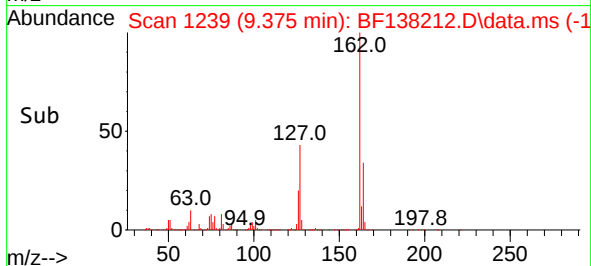


Tgt Ion:162 Resp: 2222680
Ion Ratio Lower Upper
162 100
127 43.2 33.6 50.4
164 33.6 27.2 40.8

Manual Integrations

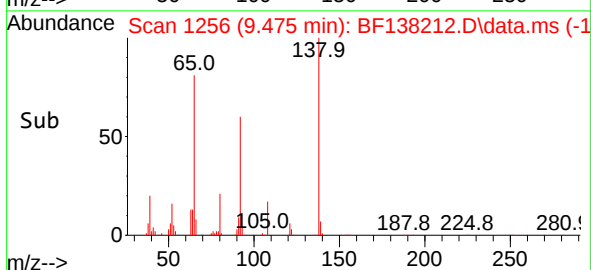
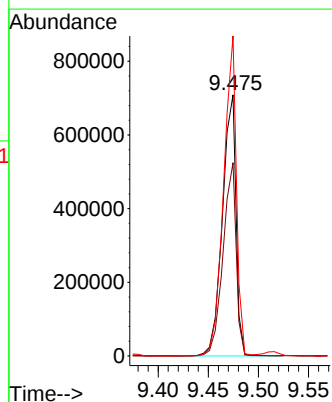
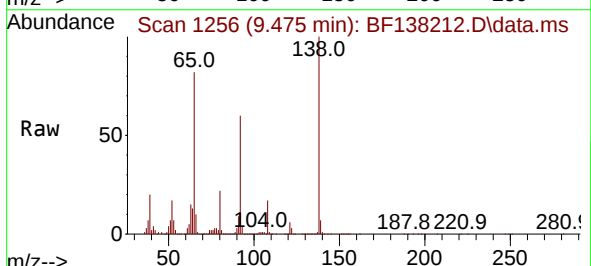
APPROVED

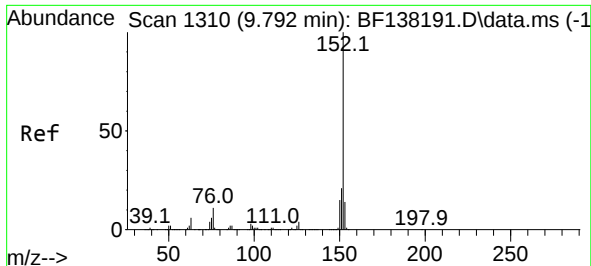
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#48
2-Nitroaniline
Concen: 56.224 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion: 65 Resp: 666217
Ion Ratio Lower Upper
65 100
92 74.0 56.6 85.0
138 122.6 90.1 135.1





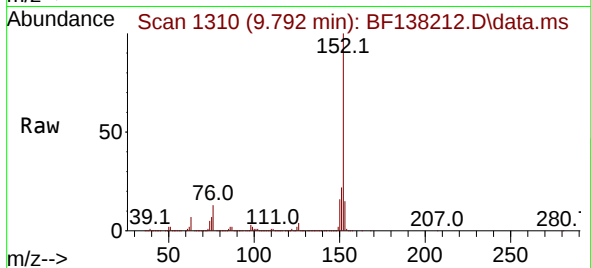
#49
Acenaphthylene
Concen: 49.031 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

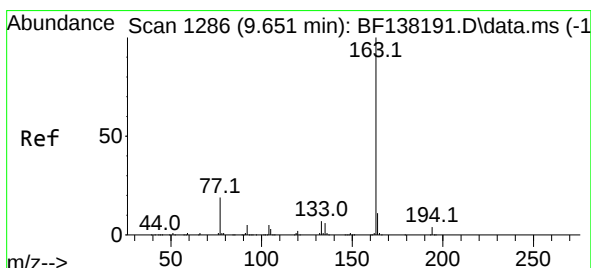
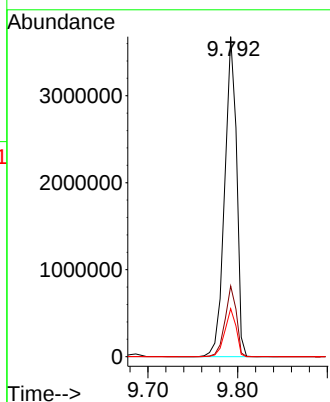
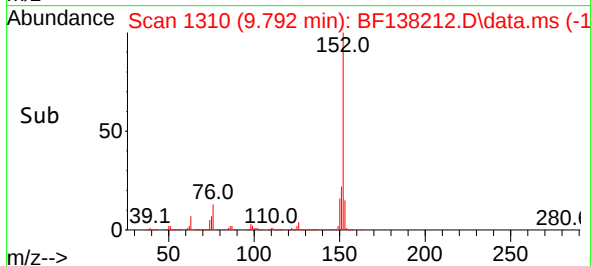


Tgt Ion:152 Resp: 338286
Ion Ratio Lower Upper
152 100
151 22.1 16.9 25.3
153 15.0 11.4 17.0

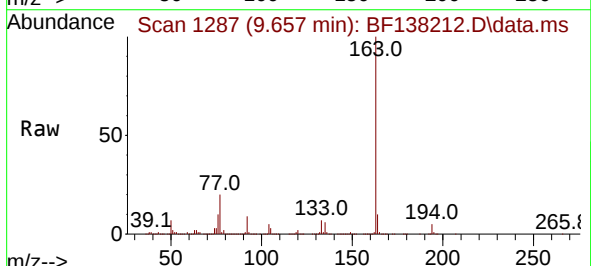
Manual Integrations

APPROVED

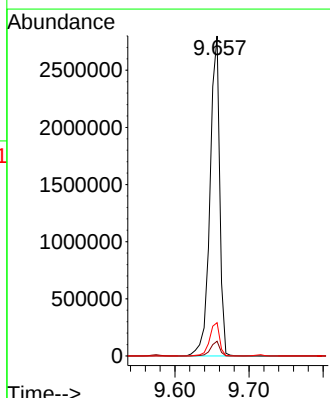
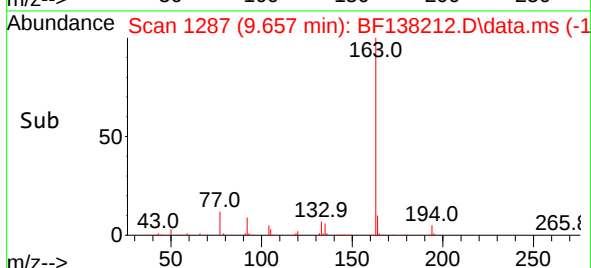
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

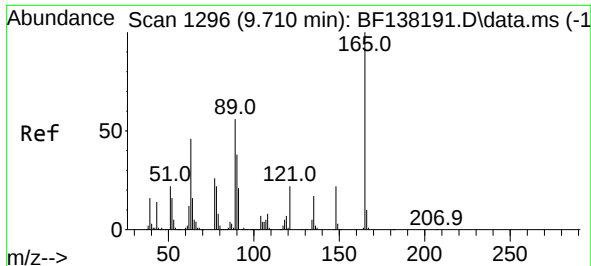


#50
Dimethylphthalate
Concen: 48.805 ng
RT: 9.657 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:163 Resp: 2537116
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 10.4 8.5 12.7





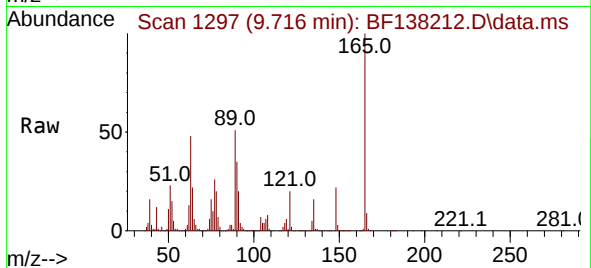
#51
2,6-Dinitrotoluene
Concen: 52.628 ng
RT: 9.716 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

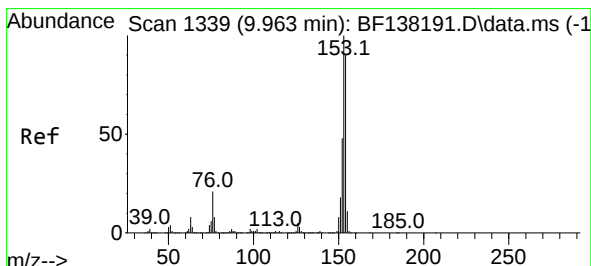
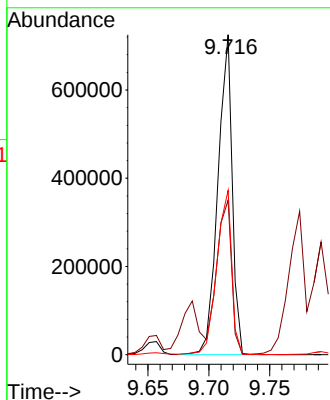
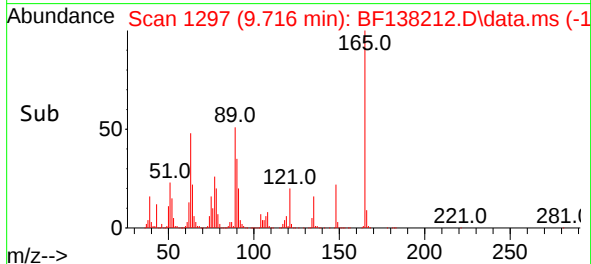


Tgt Ion:165 Resp: 593524
Ion Ratio Lower Upper
165 100
63 48.2 43.7 65.5
89 51.3 44.9 67.3

Manual Integrations

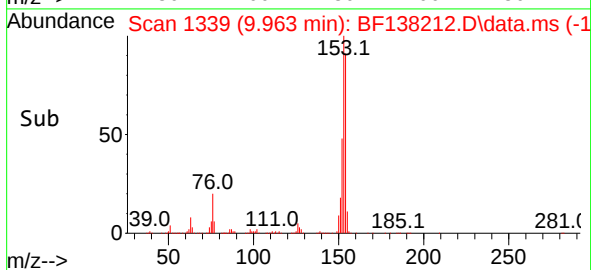
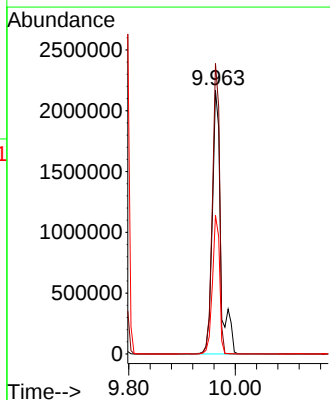
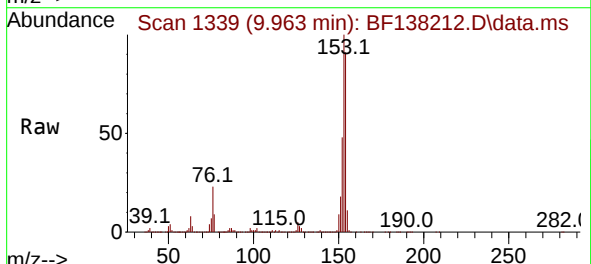
APPROVED

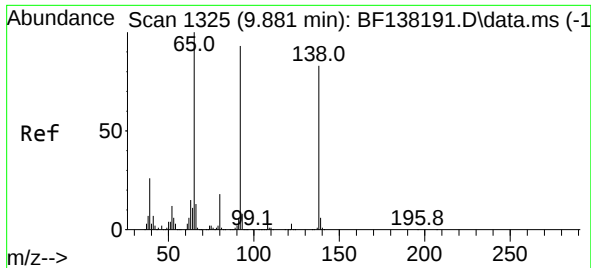
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#52
Acenaphthene
Concen: 50.385 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

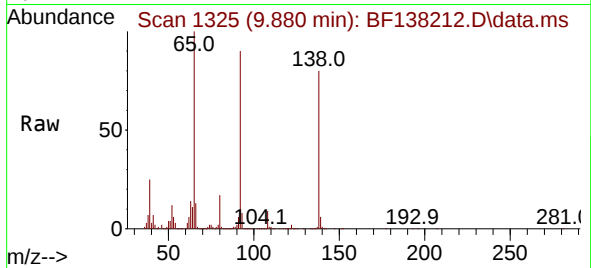
Tgt Ion:154 Resp: 2370476
Ion Ratio Lower Upper
154 100
153 110.1 89.1 133.7
152 52.5 42.4 63.6





#53
3-Nitroaniline
Concen: 37.875 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

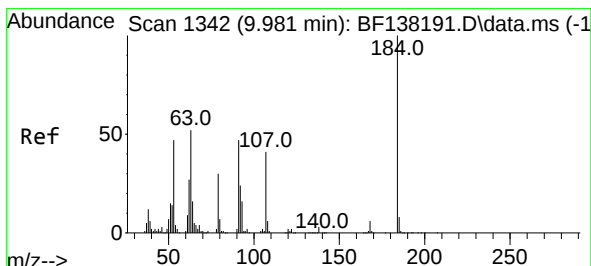
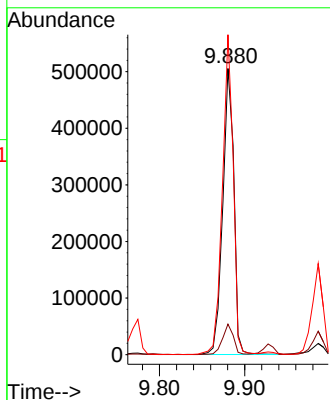
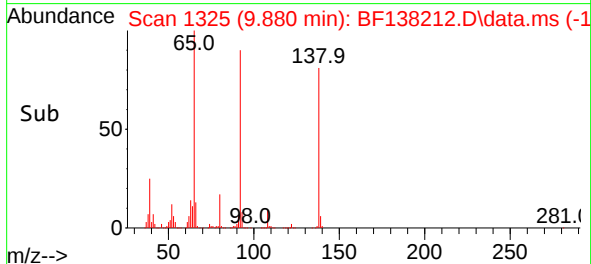
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



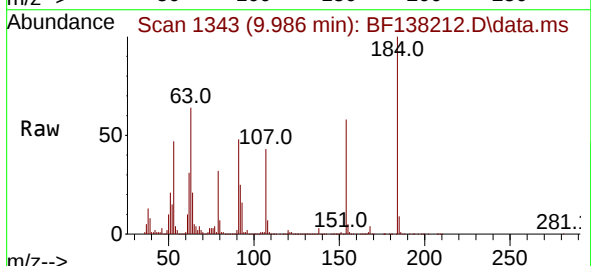
Tgt Ion:138 Resp: 456308
Ion Ratio Lower Upper
138 100
108 10.7 8.2 12.2
92 111.8 90.0 135.0

Manual Integrations
APPROVED

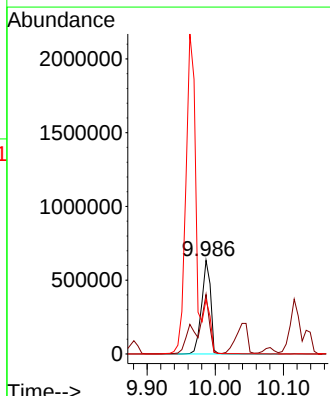
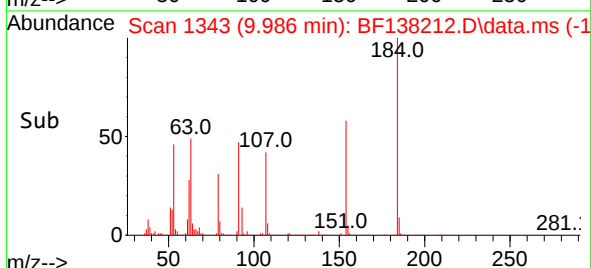
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

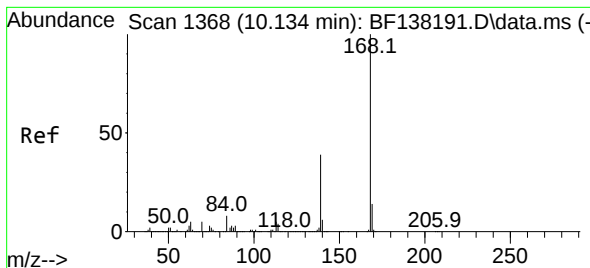


#54
2,4-Dinitrophenol
Concen: 95.482 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



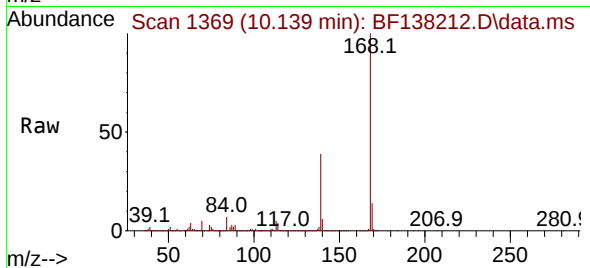
Tgt Ion:184 Resp: 587742
Ion Ratio Lower Upper
184 100
63 63.5 49.2 73.8
154 58.2 46.7 70.1





#55
Dibenzenofuran
Concen: 46.114 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

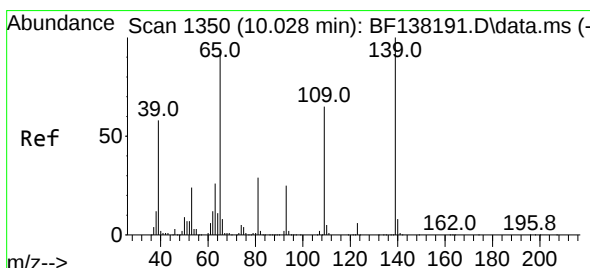
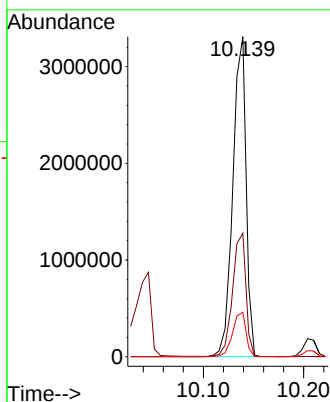
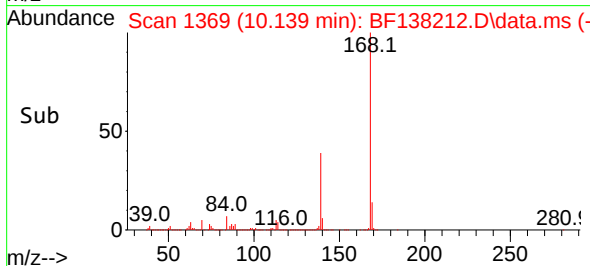
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



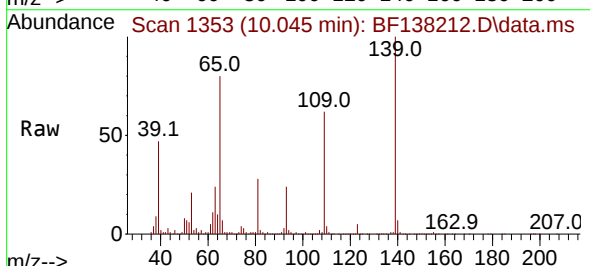
Tgt Ion:168 Resp: 3032890
Ion Ratio Lower Upper
168 100
139 38.6 31.0 46.4
169 13.9 11.4 17.0

Manual Integrations
APPROVED

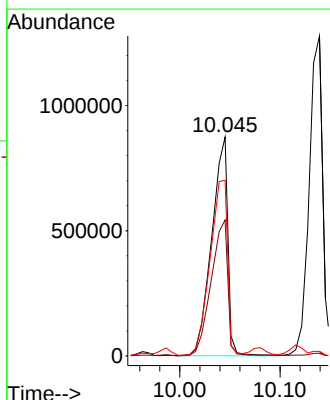
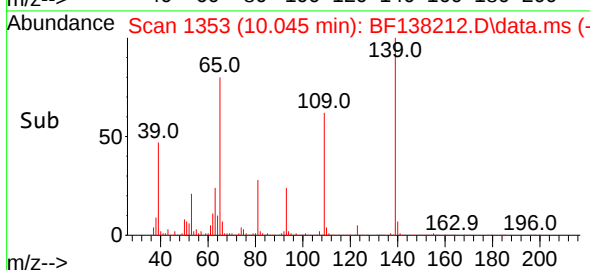
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

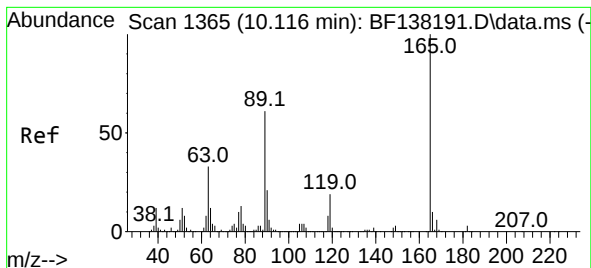


#56
4-Nitrophenol
Concen: 102.110 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:139 Resp: 972171
Ion Ratio Lower Upper
139 100
109 62.1 44.6 84.6
65 80.3 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 57.407 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

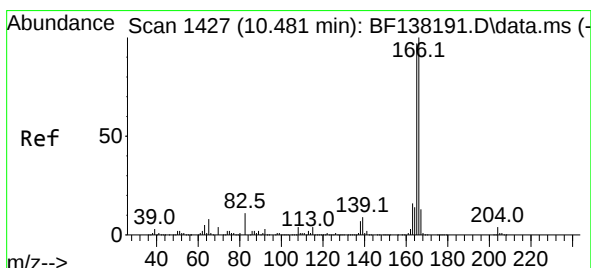
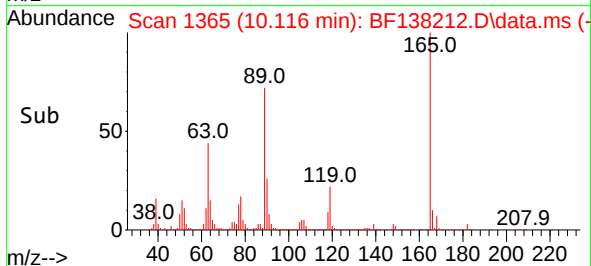
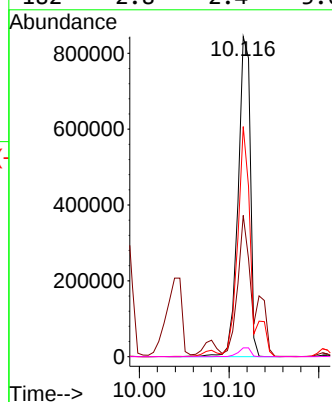
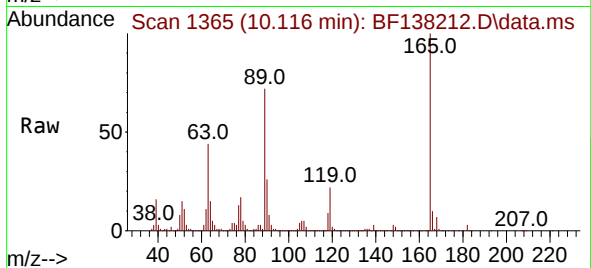
Soil/Gravel-SPMSD

Tgt Ion:165 Resp: 79853
Ion Ratio Lower Upper
165 100
63 44.1 26.6 39.8
89 71.9 48.7 73.1
182 2.8 2.4 3.6

Manual Integrations

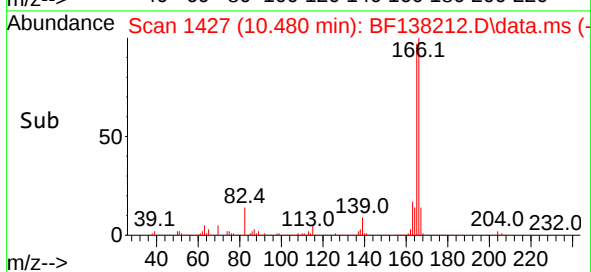
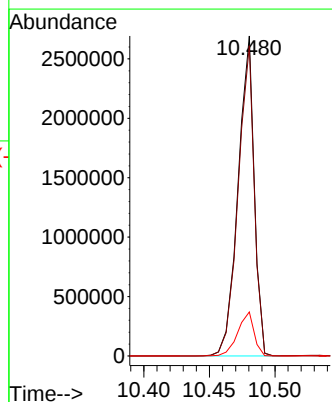
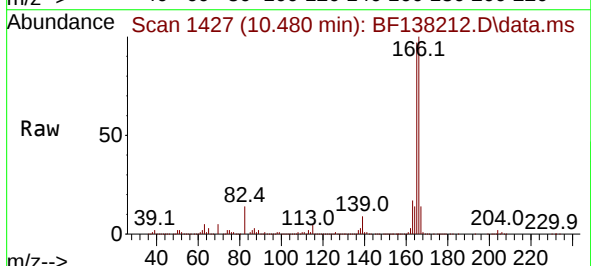
APPROVED

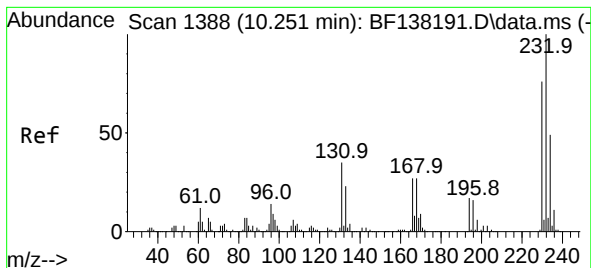
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#58
Fluorene
Concen: 44.736 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:166 Resp: 2313327
Ion Ratio Lower Upper
166 100
165 96.9 77.9 116.9
167 13.8 10.7 16.1





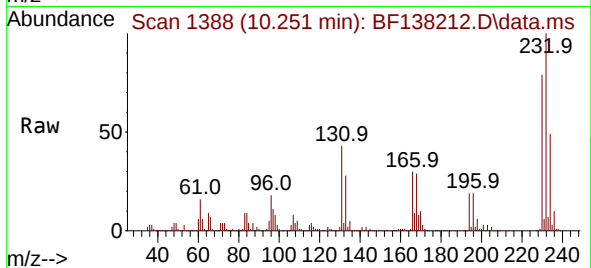
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.117 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

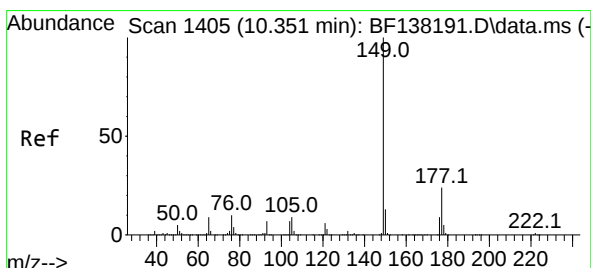
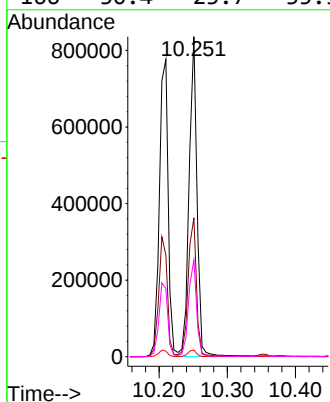
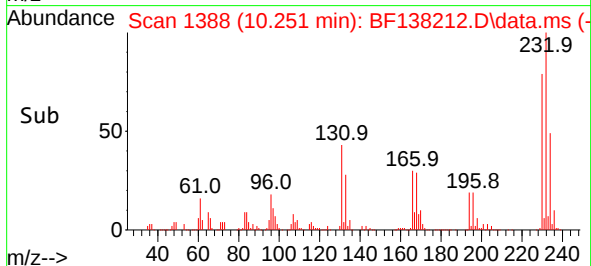


Tgt Ion:232 Resp: 66775
Ion Ratio Lower Upper
232 100
131 44.8 33.6 50.4
130 2.2 1.7 2.5
166 30.4 23.7 35.5

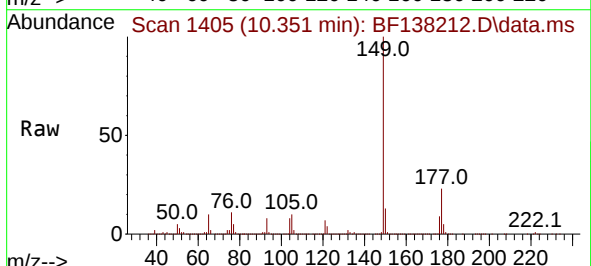
Manual Integrations

APPROVED

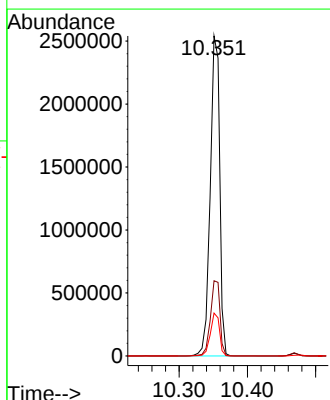
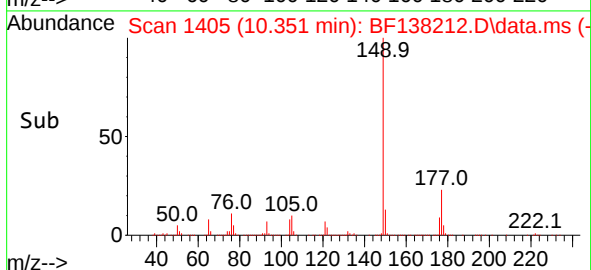
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

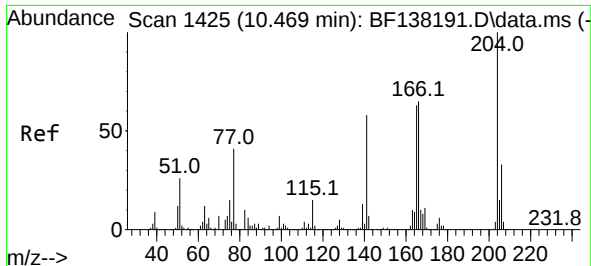


#60
Diethylphthalate
Concen: 49.652 ng
RT: 10.351 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



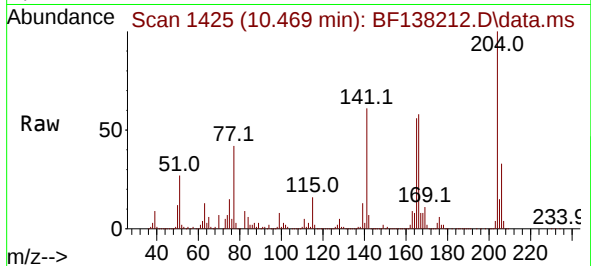
Tgt Ion:149 Resp: 2449761
Ion Ratio Lower Upper
149 100
177 23.5 19.4 29.0
150 13.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 45.210 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

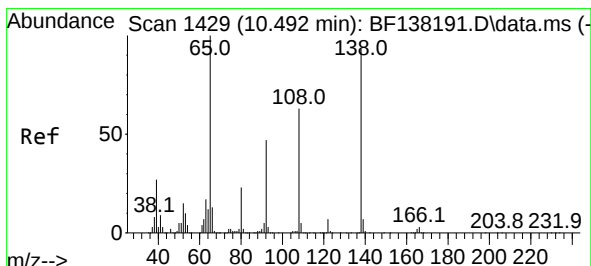
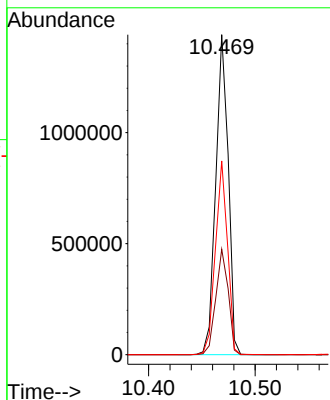
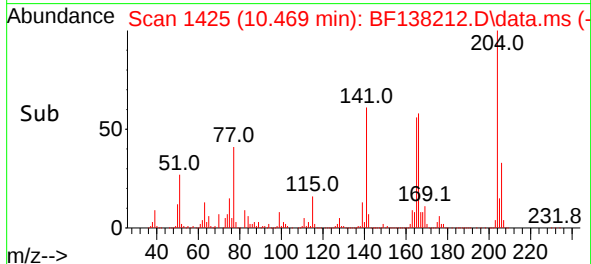
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



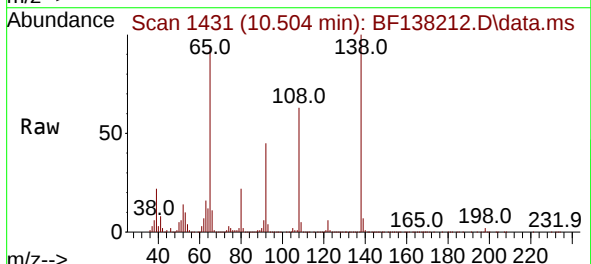
Tgt Ion:204 Resp: 116433
Ion Ratio Lower Upper
204 100
206 33.0 26.6 39.8
141 60.5 46.3 69.5

Manual Integrations
APPROVED

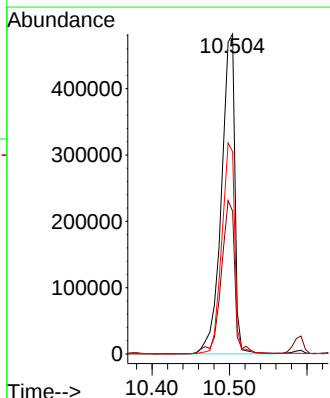
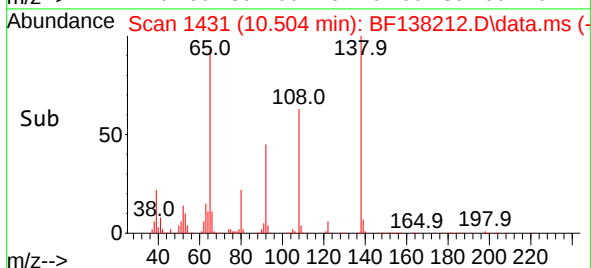
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

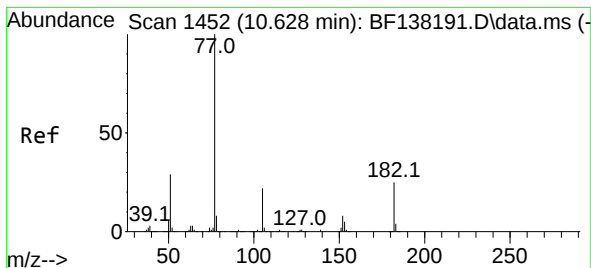


#62
4-Nitroaniline
Concen: 48.219 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



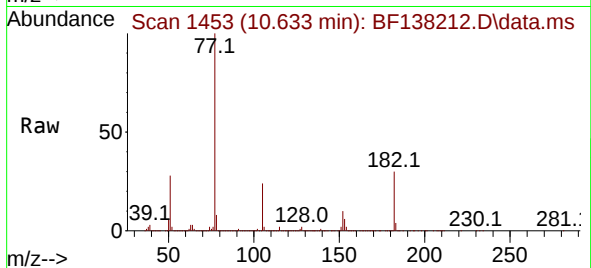
Tgt Ion:138 Resp: 580435
Ion Ratio Lower Upper
138 100
92 44.6 30.9 70.9
108 63.2 47.8 87.8





#63
Azobenzene
Concen: 49.472 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.005 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

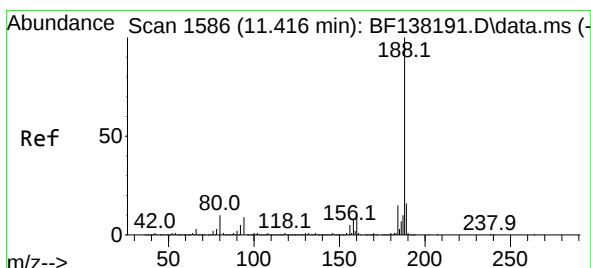
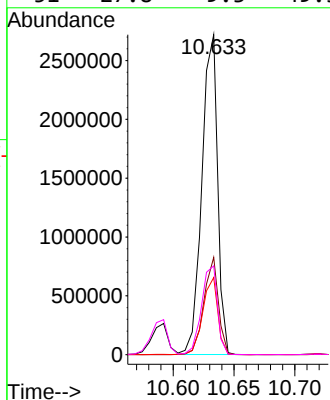
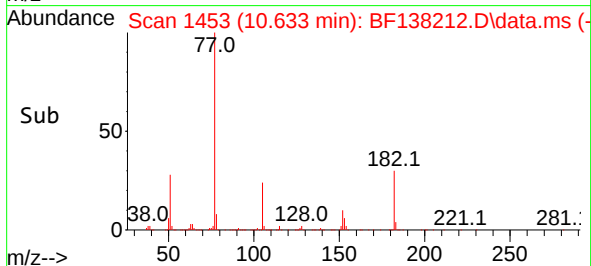
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion: 77 Resp: 2445398
Ion Ratio Lower Upper
77 100
182 30.4 5.5 45.5
105 24.1 1.8 41.8
51 27.8 9.3 49.3

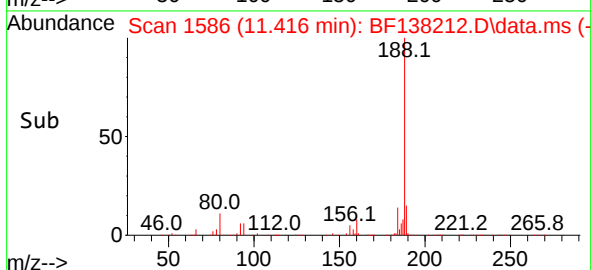
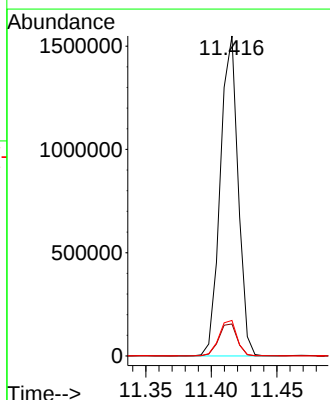
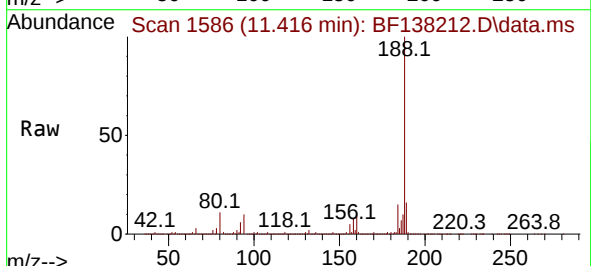
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:188 Resp: 1462437
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 11.1 8.1 12.1





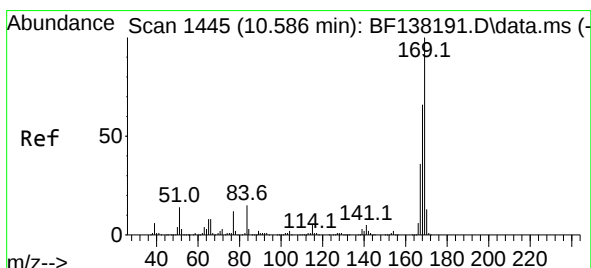
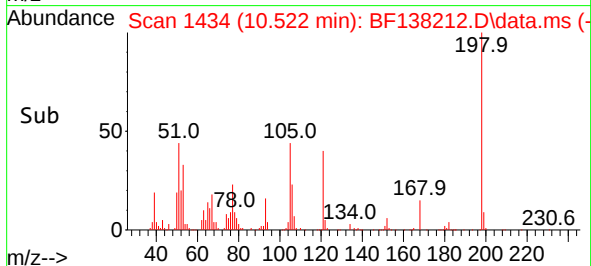
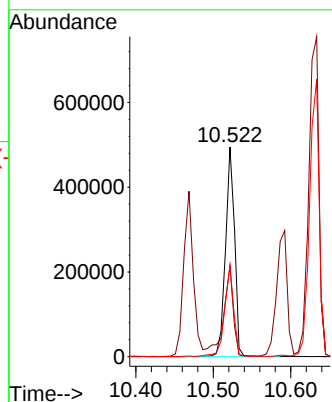
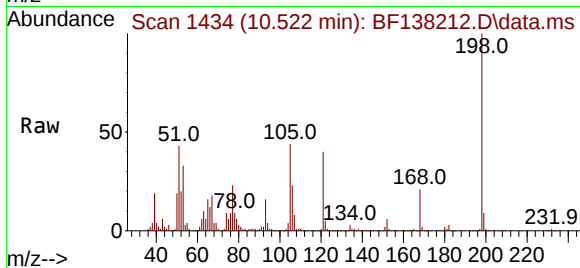
#65
4,6-Dinitro-2-methylphenol
Concen: 53.275 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD

Tgt Ion:198 Resp: 403645
Ion Ratio Lower Upper
198 100
51 43.2 26.9 66.9
105 43.6 26.0 66.0

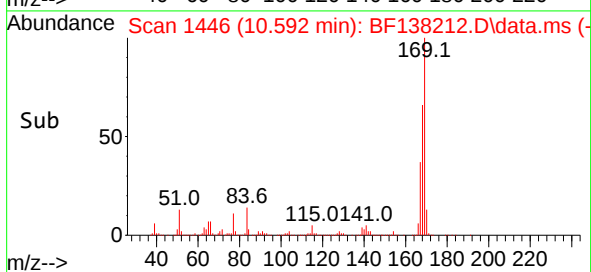
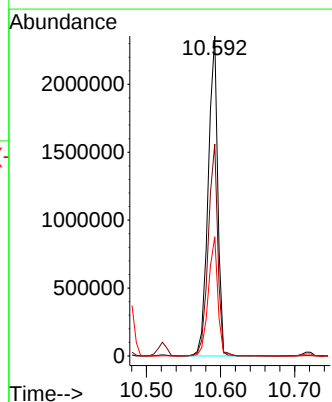
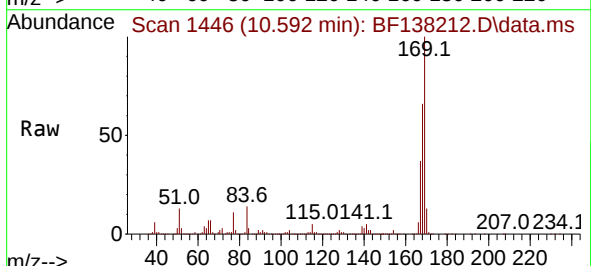
Manual Integrations
APPROVED

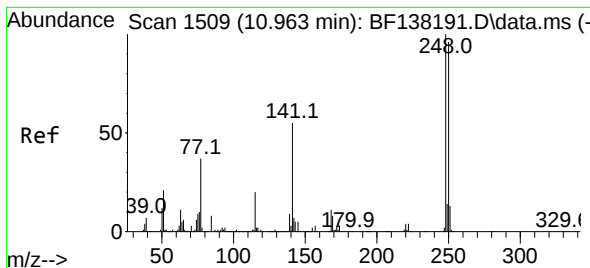
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#66
n-Nitrosodiphenylamine
Concen: 47.181 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

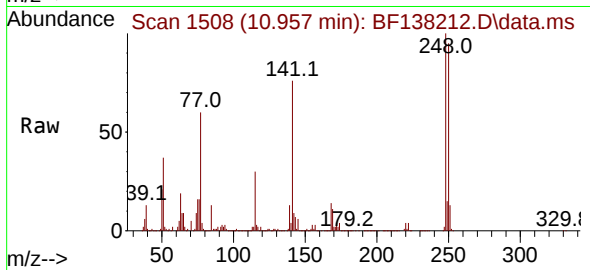
Tgt Ion:169 Resp: 2112437
Ion Ratio Lower Upper
169 100
168 66.2 52.9 79.3
167 37.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 47.357 ng
RT: 10.957 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

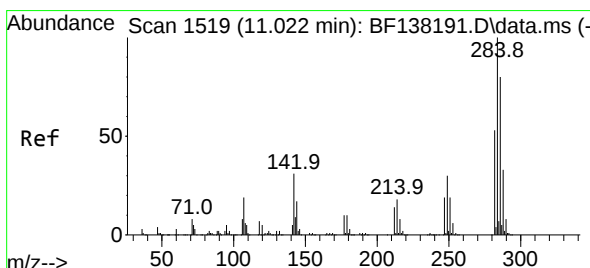
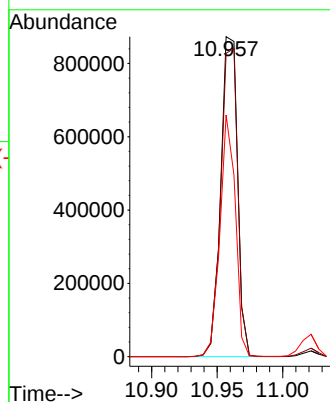
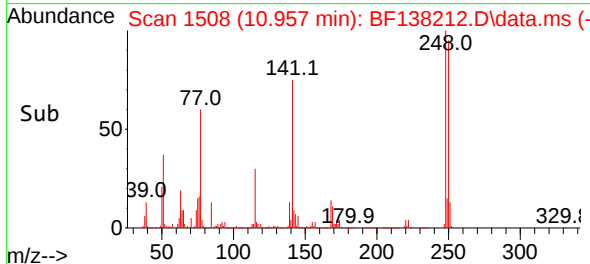
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion:248 Resp: 780395
Ion Ratio Lower Upper
248 100
250 94.9 77.2 115.8
141 75.5 44.1 66.1

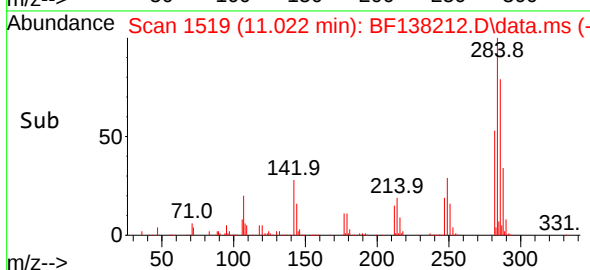
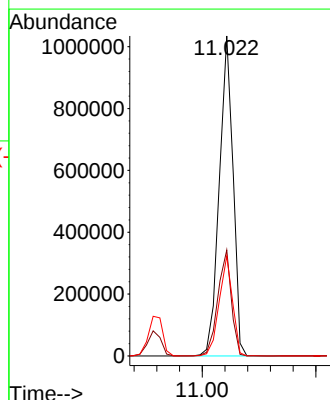
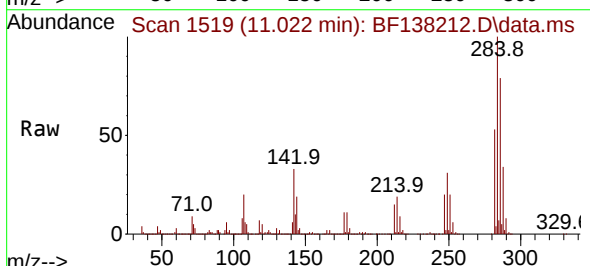
Manual Integrations
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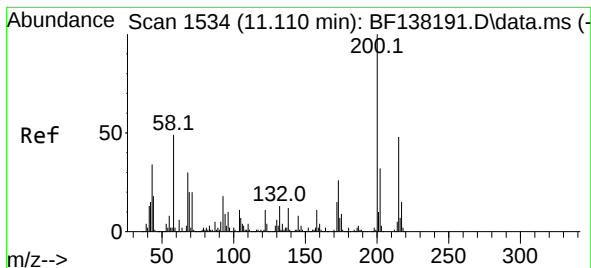
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#68
Hexachlorobenzene
Concen: 45.218 ng
RT: 11.022 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:284 Resp: 869588
Ion Ratio Lower Upper
284 100
142 33.1 24.8 37.2
249 31.2 23.8 35.6





#69

Atrazine

Concen: 53.823 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

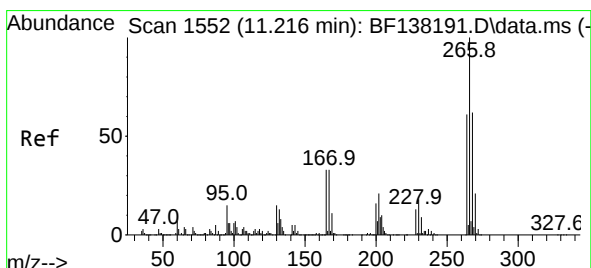
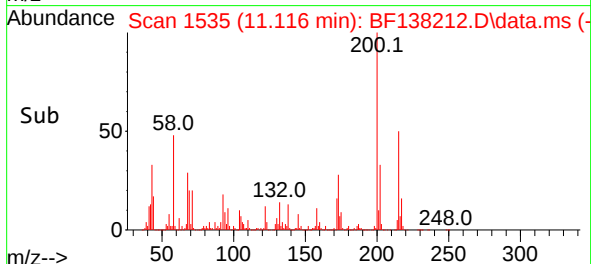
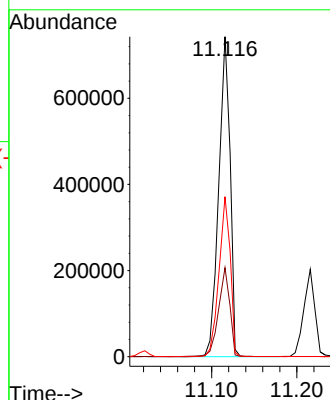
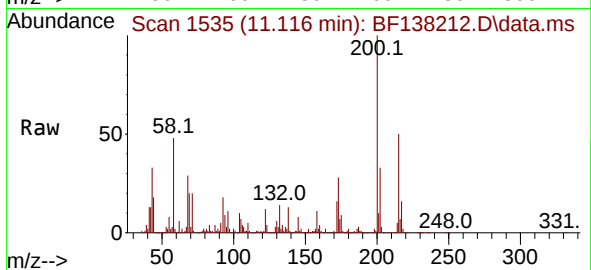
Soil/Gravel-SPMSD

Tgt Ion:200 Resp: 686394
 Ion Ratio Lower Upper
 200 100
 173 27.8 6.3 46.3
 215 50.0 28.0 68.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024



#70

Pentachlorophenol

Concen: 91.848 ng

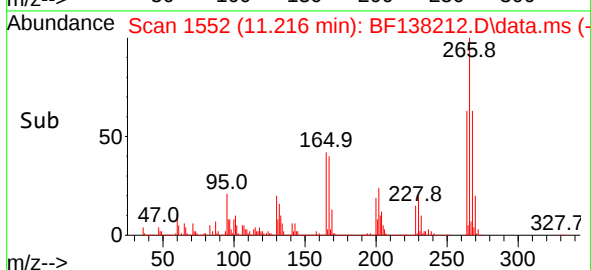
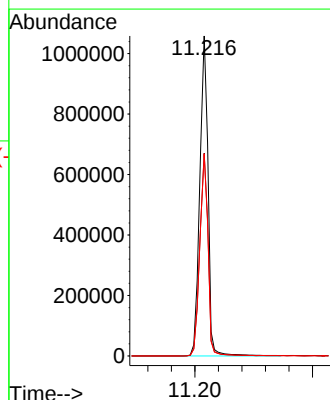
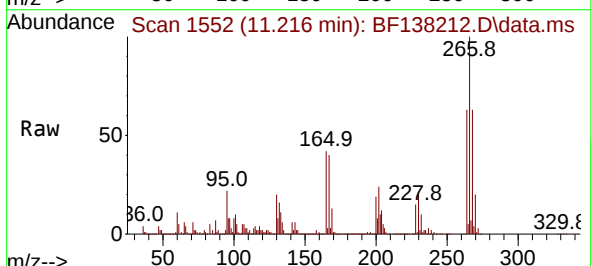
RT: 11.216 min Scan# 1552

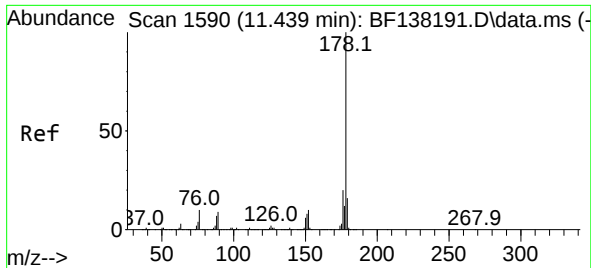
Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

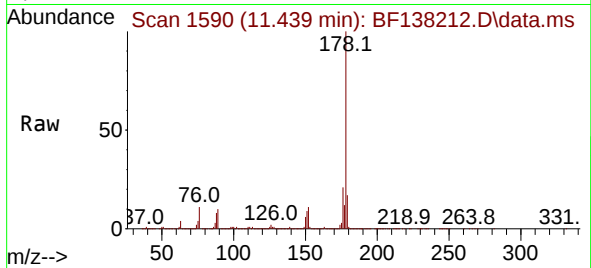
Tgt Ion:266 Resp: 1030144
 Ion Ratio Lower Upper
 266 100
 268 63.4 49.5 74.3
 264 63.2 49.2 73.8





#71
Phenanthrene
Concen: 46.402 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

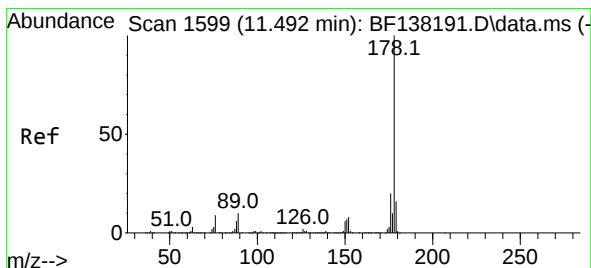
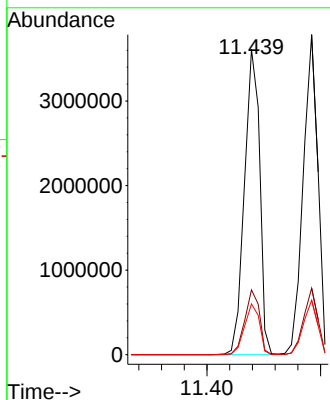
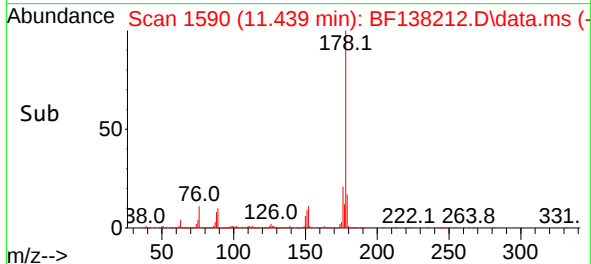
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



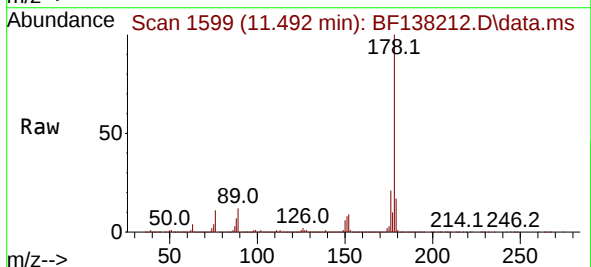
Tgt Ion:178 Resp: 3355958
Ion Ratio Lower Upper
178 100
176 21.2 16.4 24.6
179 16.6 13.1 19.7

Manual Integrations
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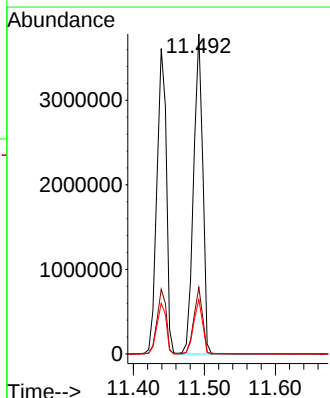
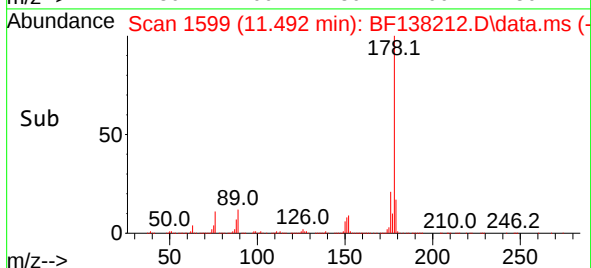
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

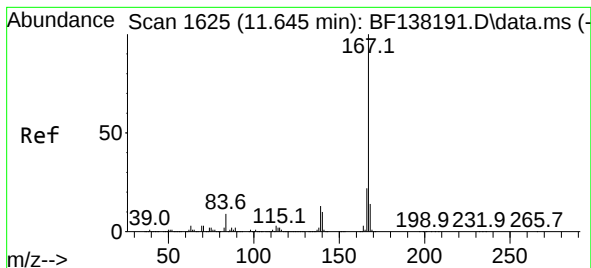


#72
Anthracene
Concen: 47.350 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



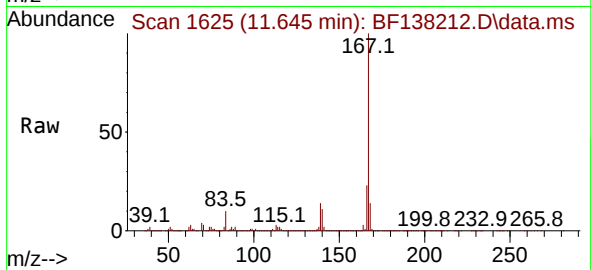
Tgt Ion:178 Resp: 3400040
Ion Ratio Lower Upper
178 100
176 20.8 15.7 23.5
179 17.0 13.0 19.6





#73
 Carbazole
 Concen: 45.026 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.000 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58

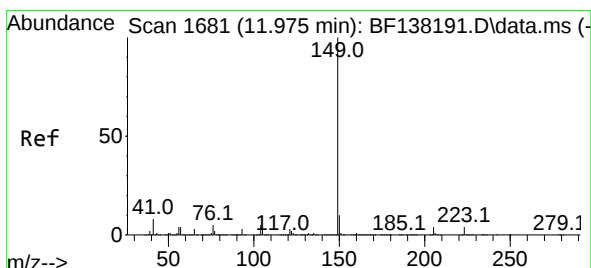
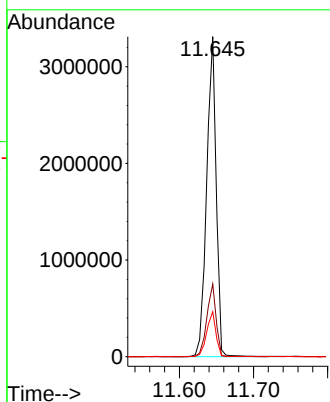
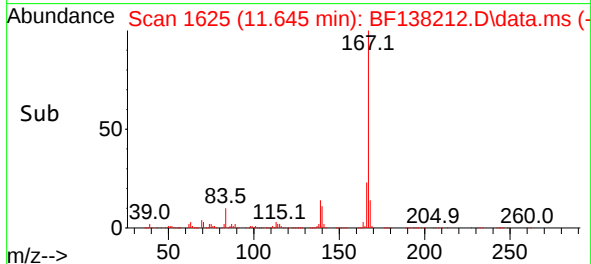
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMSD



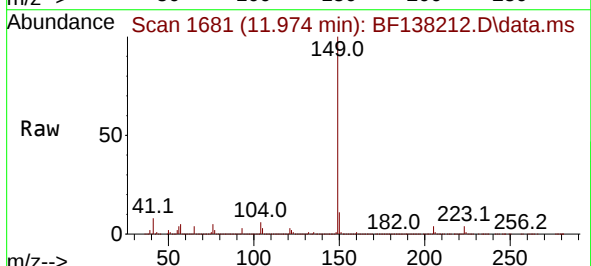
Tgt Ion:167 Resp: 2965380
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.0 27.0
 139 14.1 10.6 16.0

Manual Integrations
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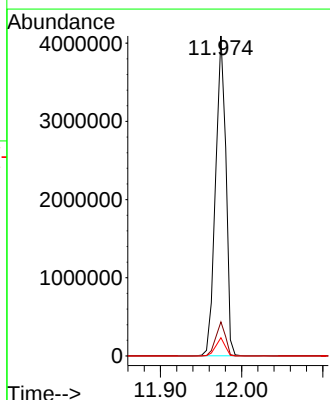
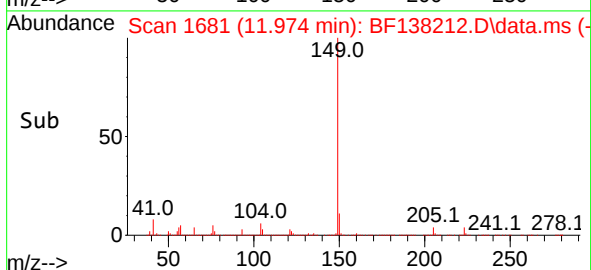
Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024

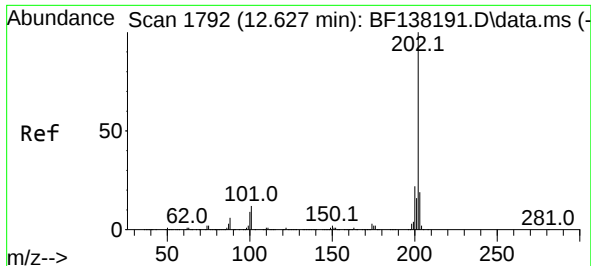


#74
 Di-n-butylphthalate
 Concen: 52.920 ng
 RT: 11.974 min Scan# 1681
 Delta R.T. -0.000 min
 Lab File: BF138212.D
 Acq: 17 Jun 2024 18:58



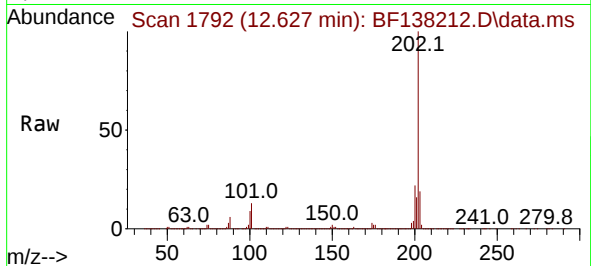
Tgt Ion:149 Resp: 3608157
 Ion Ratio Lower Upper
 149 100
 150 10.7 8.2 12.2
 104 5.7 4.1 6.1





#75
Fluoranthene
Concen: 44.752 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

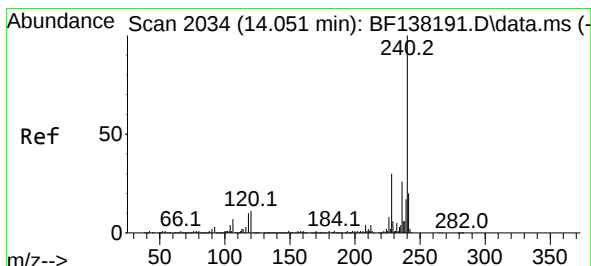
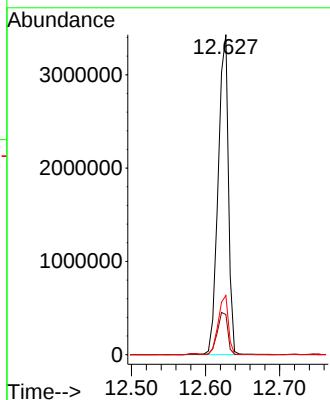
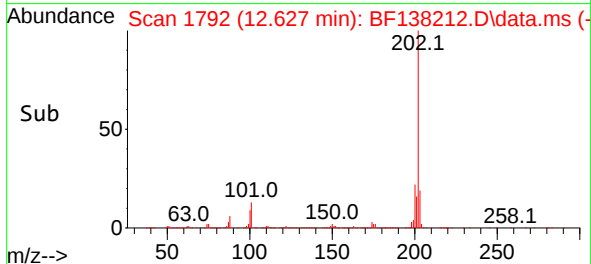
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMSD



Tgt Ion:202 Resp: 3300385
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.8
203 18.5 0.0 38.6

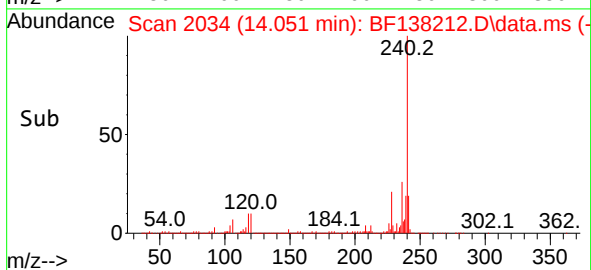
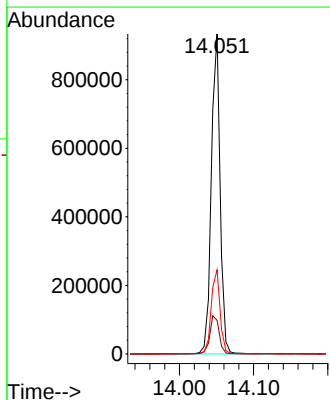
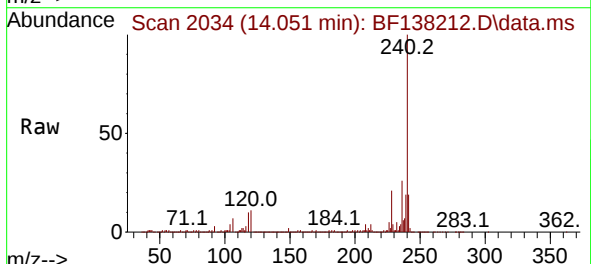
Manual Integrations
APPROVED

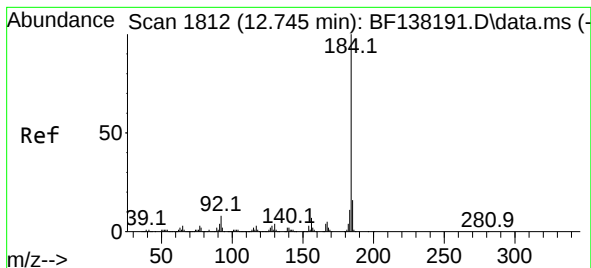
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:240 Resp: 764249
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 26.3 21.0 31.6





#77

Benzidine

Concen: 111.208 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

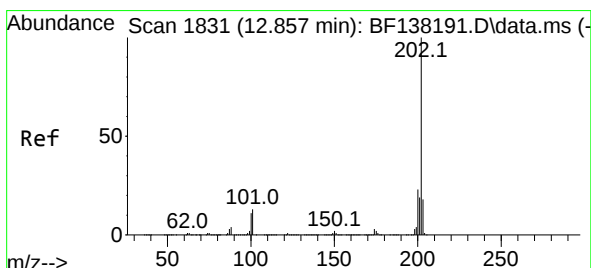
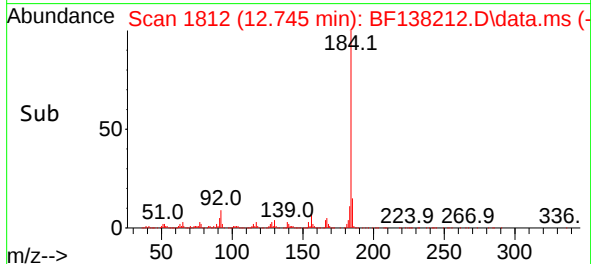
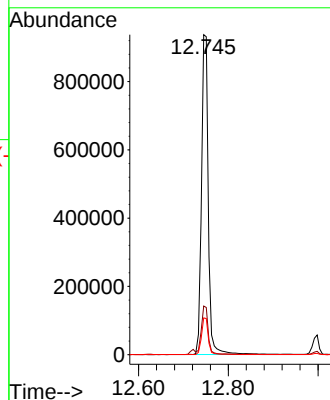
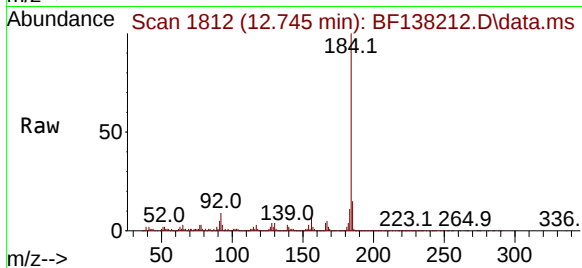
Tgt Ion:184 Resp: 983060

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.6	19.0
183	11.5	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#78

Pyrene

Concen: 49.997 ng

RT: 12.857 min Scan# 1831

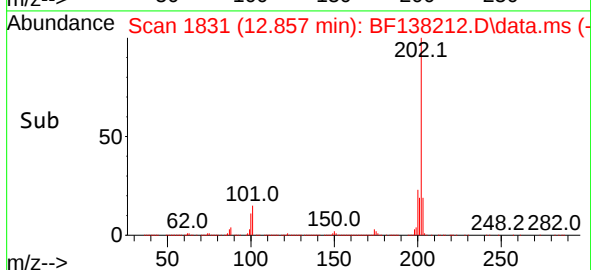
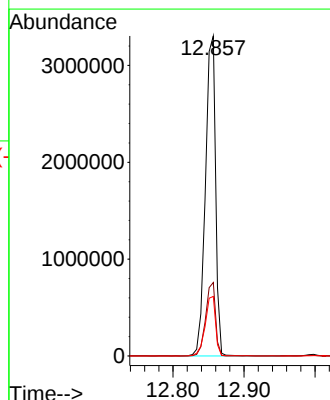
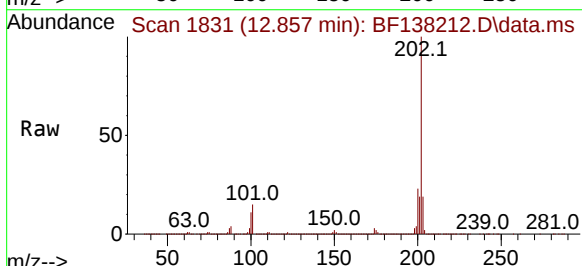
Delta R.T. -0.000 min

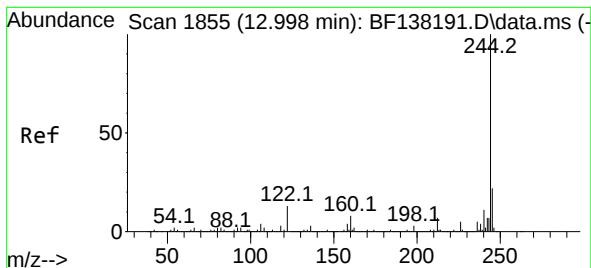
Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:202 Resp: 3295875

Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.0	27.0
203	18.6	14.7	22.1





#79

Terphenyl-d14

Concen: 80.559 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:244 Resp: 3887229

Ion Ratio Lower Upper

244 100

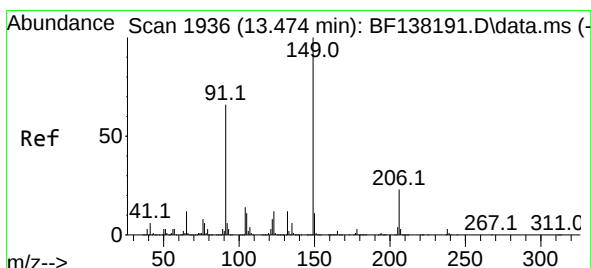
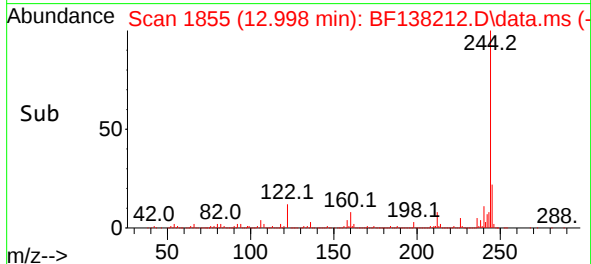
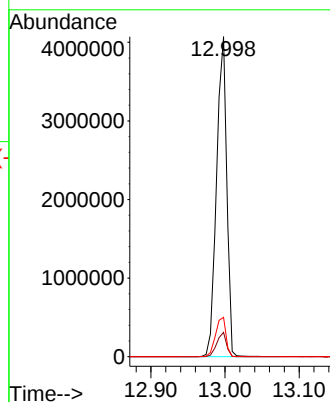
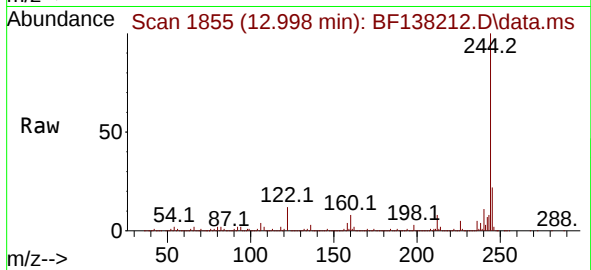
212 7.6 5.9 8.9

122 12.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#80

Butylbenzylphthalate

Concen: 75.710 ng

RT: 13.474 min Scan# 1936

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

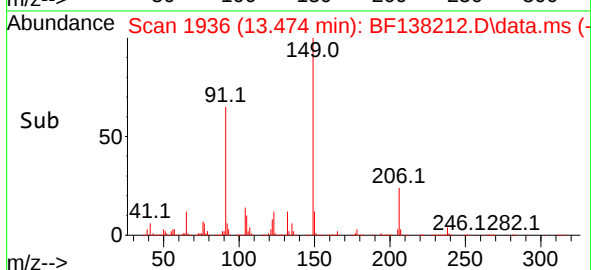
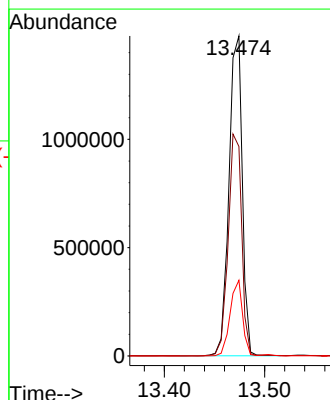
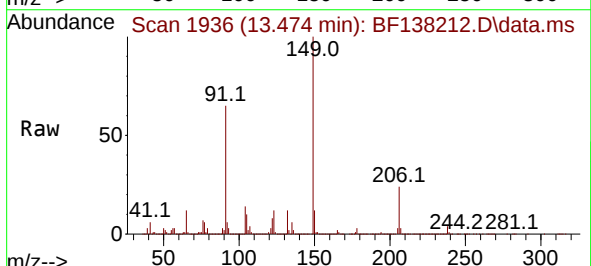
Tgt Ion:149 Resp: 1357563

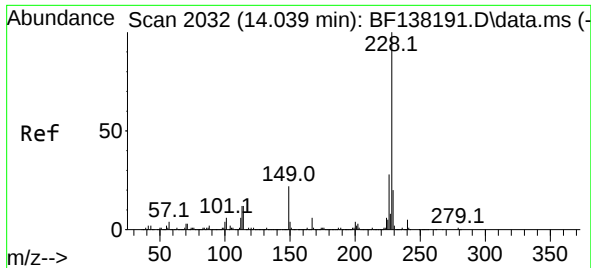
Ion Ratio Lower Upper

149 100

91 65.4 53.2 79.8

206 23.6 18.6 27.8





#81
Benzo(a)anthracene
Concen: 49.819 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

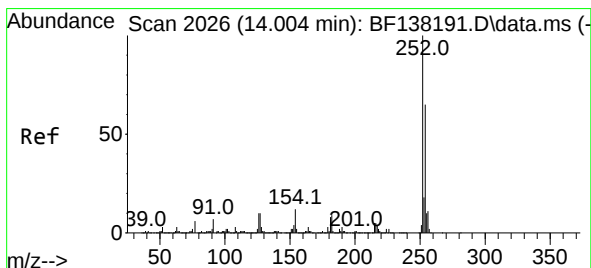
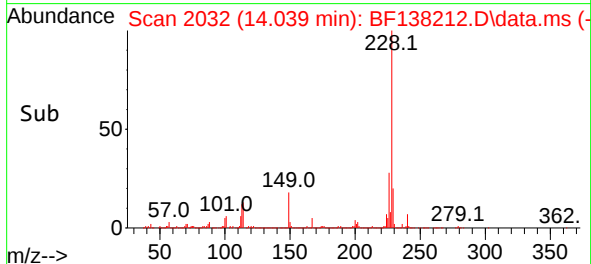
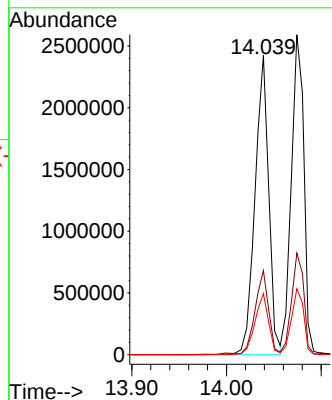
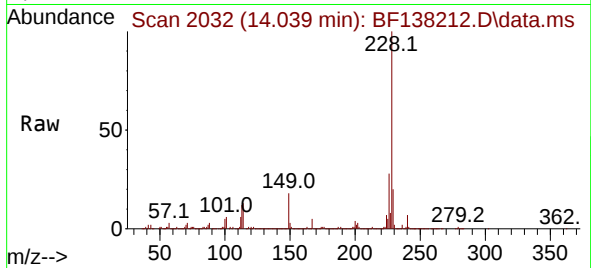
Soil/Gravel-SPMSD

Tgt Ion:228 Resp: 244262
Ion Ratio Lower Upper
228 100
226 28.1 22.5 33.7
229 20.4 16.3 24.5

Manual Integrations

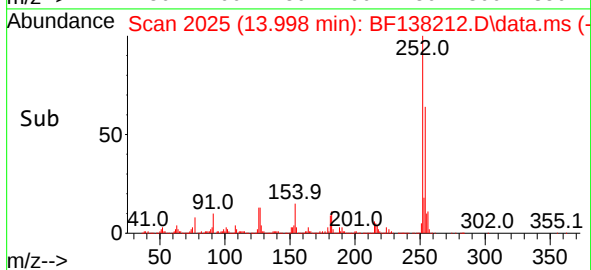
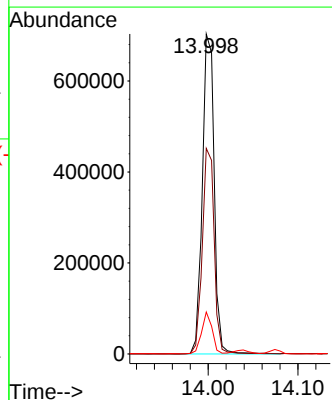
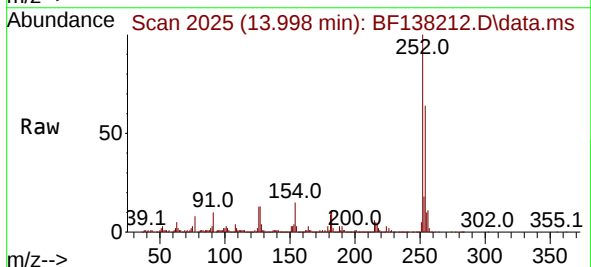
APPROVED

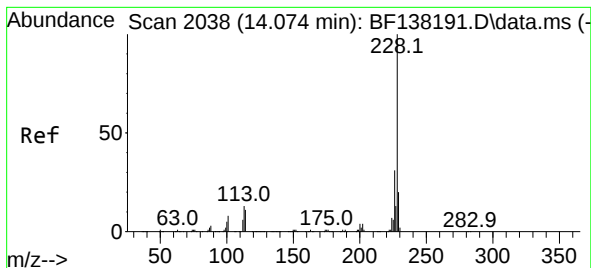
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#82
3,3'-Dichlorobenzidine
Concen: 47.759 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:252 Resp: 644840
Ion Ratio Lower Upper
252 100
254 64.3 51.8 77.6
126 13.1 8.3 12.5





#83

Chrysene

Concen: 50.765 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:228 Resp: 237247

Ion Ratio Lower Upper

228 100

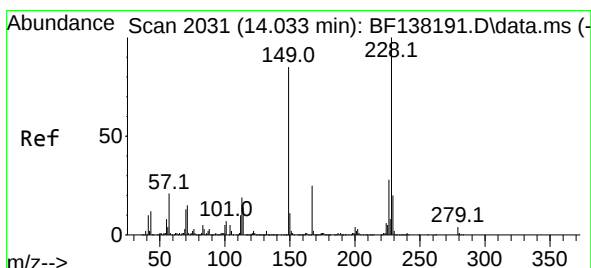
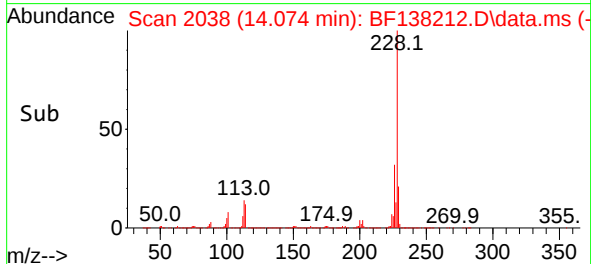
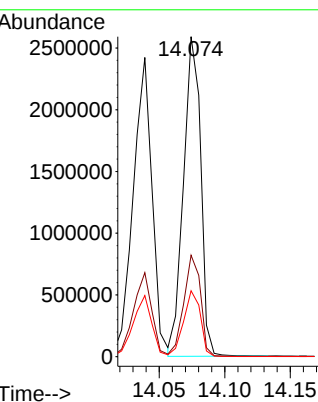
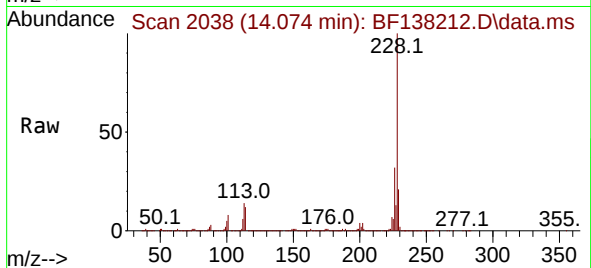
226 31.7 24.5 36.7

229 20.6 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 83.411 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

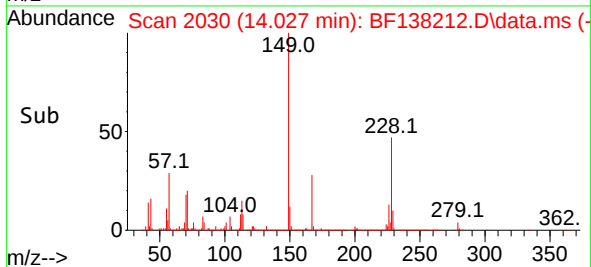
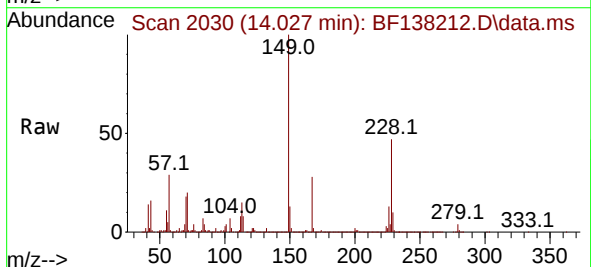
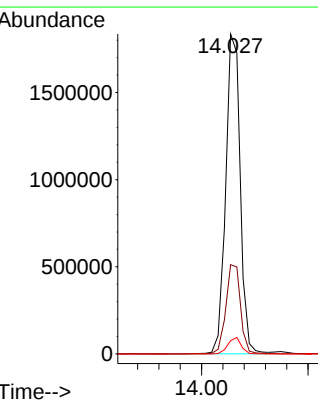
Tgt Ion:149 Resp: 1739528

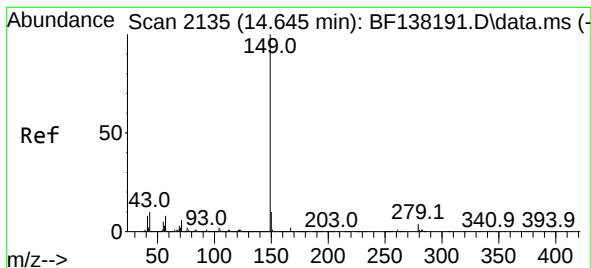
Ion Ratio Lower Upper

149 100

167 27.9 23.5 35.3

279 4.2 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 84.275 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:149 Resp: 261103

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

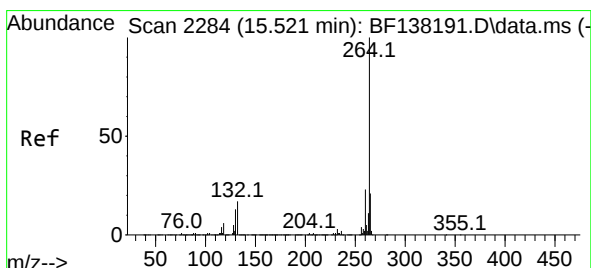
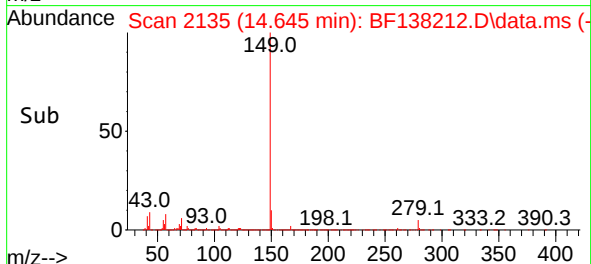
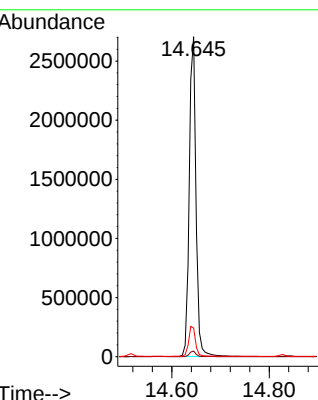
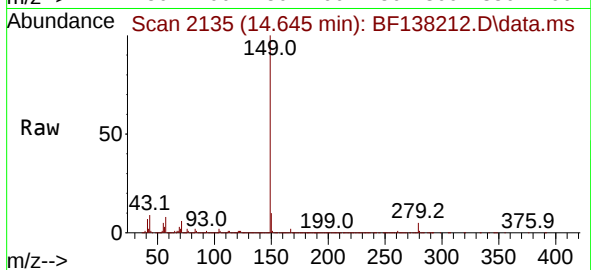
43 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

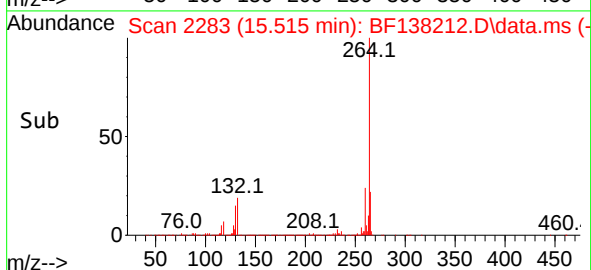
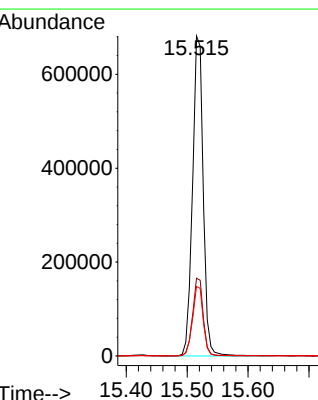
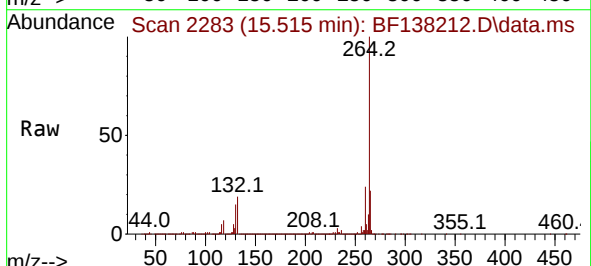
Tgt Ion:264 Resp: 829469

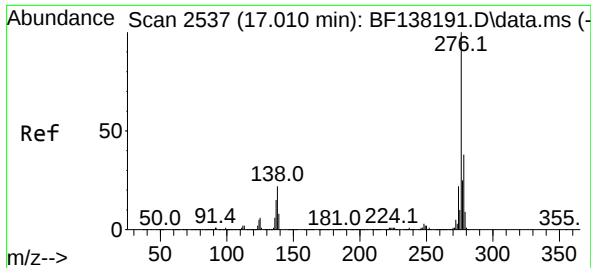
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.7 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.677 ng
RT: 17.003 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

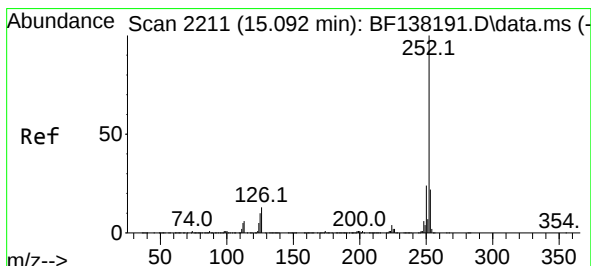
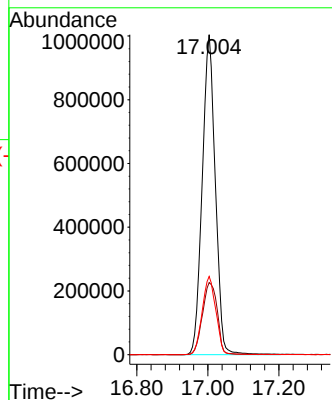
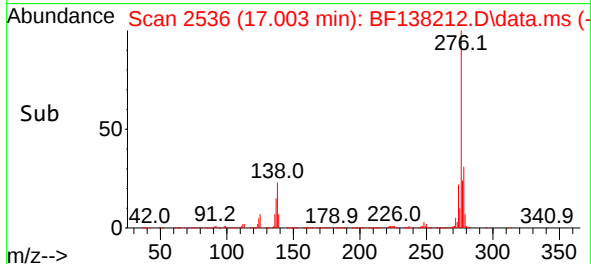
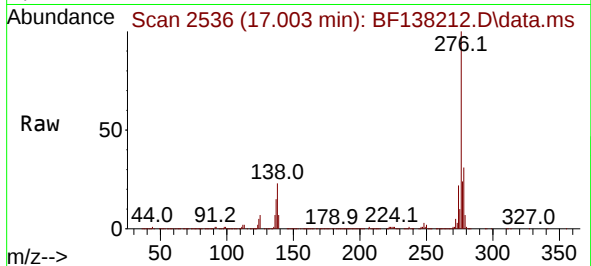
Soil/Gravel-SPMSD

Tgt Ion:276 Resp: 257807
Ion Ratio Lower Upper
276 100
138 25.6 19.3 28.9
277 25.4 20.2 30.2

Manual Integrations

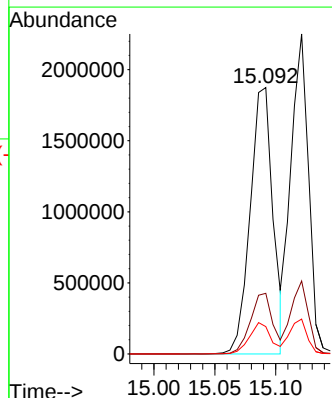
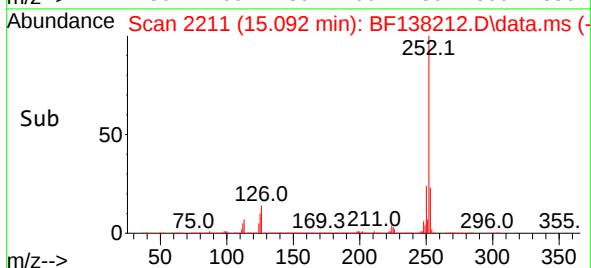
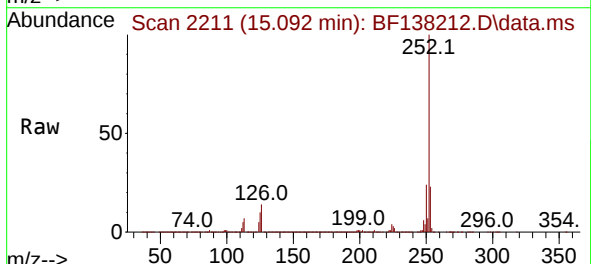
APPROVED

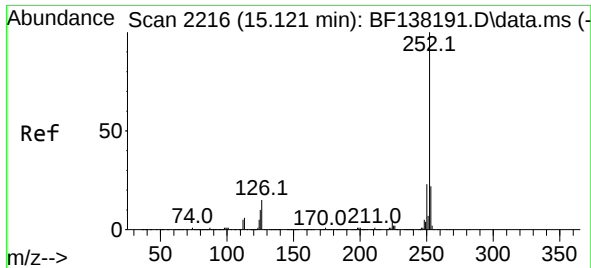
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#88
Benzo(b)fluoranthene
Concen: 49.805 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Tgt Ion:252 Resp: 2436209
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.3 7.8 11.8





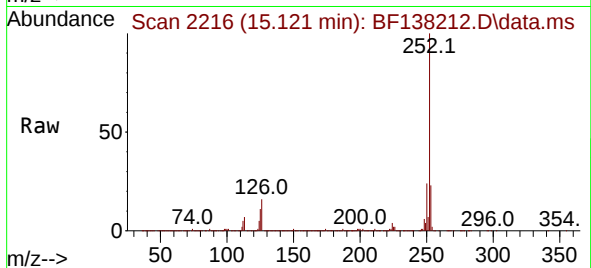
#89
Benzo(k)fluoranthene
Concen: 47.967 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

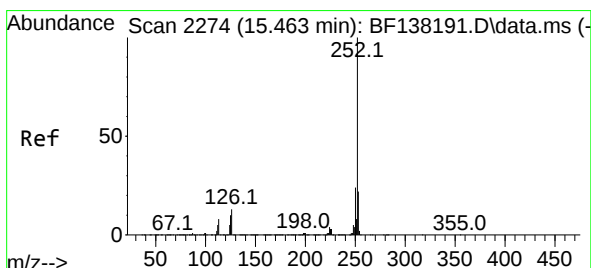
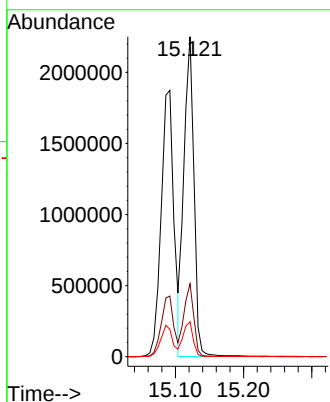
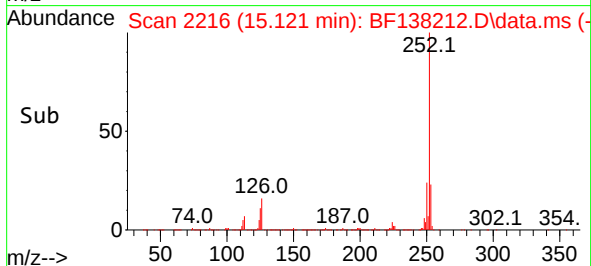


Tgt Ion:252 Resp: 2299430
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.9 8.0 12.0

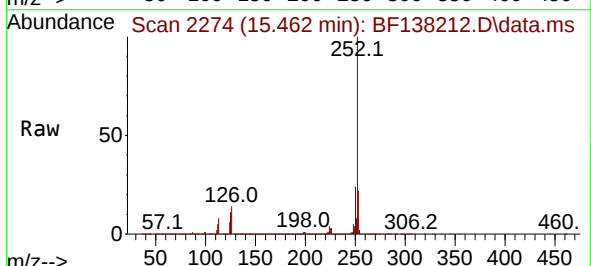
Manual Integrations

APPROVED

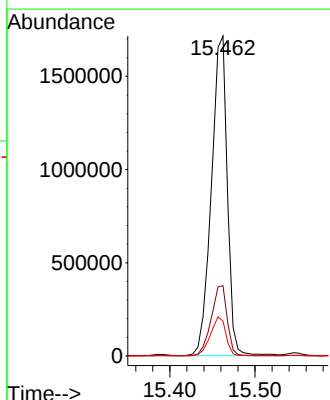
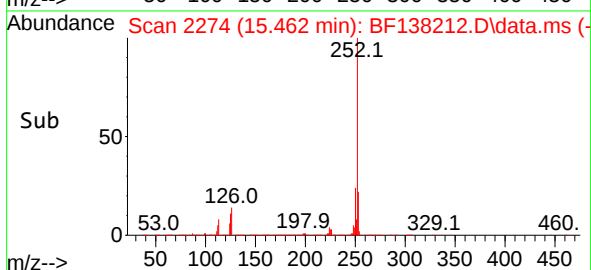
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

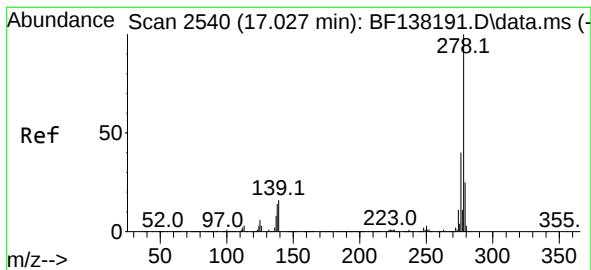


#90
Benzo(a)pyrene
Concen: 52.952 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF138212.D
Acq: 17 Jun 2024 18:58



Tgt Ion:252 Resp: 2225171
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.8 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 46.669 ng

RT: 17.021 min Scan# 2539

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMSD

Tgt Ion:278 Resp: 2071340

Ion Ratio Lower Upper

278 100

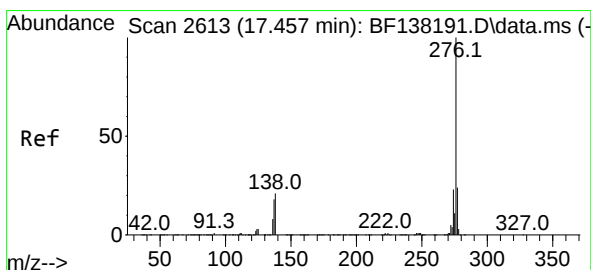
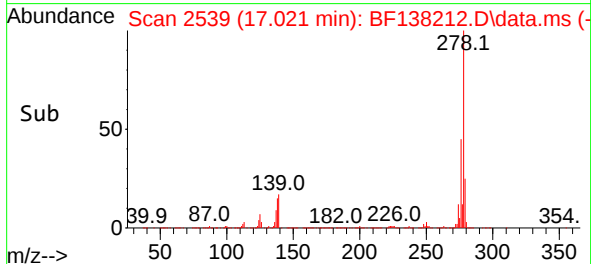
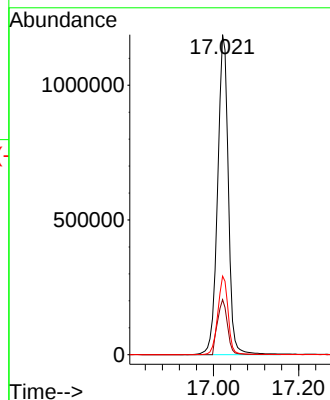
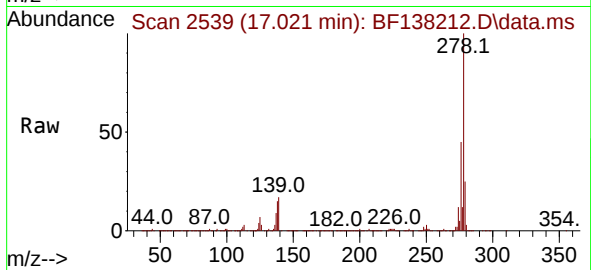
139 17.2 12.9 19.3

279 24.6 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#92

Benzo(g,h,i)perylene

Concen: 42.687 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF138212.D

Acq: 17 Jun 2024 18:58

Tgt Ion:276 Resp: 1959992

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 22.1 16.6 24.8

