

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138211.D
 Acq On : 17 Jun 2024 18:29
 Operator : CG\JU
 Sample : P2883-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMS

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 19:00:00 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	407656	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1630789	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	892654	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	1547026	20.000	ng	0.00
76) Chrysene-d12	14.051	240	802352	20.000	ng	0.00
86) Perylene-d12	15.521	264	872455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2538714	104.177	ng	0.01
7) Phenol-d6	6.522	99	3241064	104.885	ng	0.00
23) Nitrobenzene-d5	7.457	82	1975476	70.521	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	910704	102.481	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	3622270	64.526	ng	0.00
79) Terphenyl-d14	12.998	244	3831363	75.631	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.775	88	431925	38.730	ng	99
3) Pyridine	3.528	79	1119397	42.233	ng	100
4) n-Nitrosodimethylamine	3.487	42	573487	46.751	ng	96
6) Aniline	6.557	93	1137553	37.622	ng	98
8) 2-Chlorophenol	6.675	128	1256359	47.686	ng	95
9) Benzaldehyde	6.439	77	240089	14.629	ng	98
10) Phenol	6.539	94	1535003m	48.949	ng	
11) bis(2-Chloroethyl)ether	6.628	93	1169492	46.596	ng	97
12) 1,3-Dichlorobenzene	6.833	146	1259152	42.053	ng	98
13) 1,4-Dichlorobenzene	6.910	146	1284791	42.639	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1220659	43.153	ng	99
15) Benzyl Alcohol	7.033	79	1024040	49.149	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1629769	46.010	ng	99
17) 2-Methylphenol	7.145	107	990774	47.664	ng	99
18) Hexachloroethane	7.404	117	454155	44.489	ng	91
19) n-Nitroso-di-n-propyla...	7.310	70	845565	46.163	ng	99
20) 3+4-Methylphenols	7.298	107	1197154	45.757	ng	97
22) Acetophenone	7.304	105	1562886	41.952	ng	98
24) Nitrobenzene	7.475	77	1268543	43.815	ng	99
25) Isophorone	7.716	82	2315287	45.694	ng	99
26) 2-Nitrophenol	7.792	139	633924	54.451	ng	98
27) 2,4-Dimethylphenol	7.828	122	887447m	50.105	ng	
28) bis(2-Chloroethoxy)met...	7.928	93	1443068	45.497	ng	100
29) 2,4-Dichlorophenol	8.033	162	1040086	45.611	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	1115096	41.465	ng	99
31) Naphthalene	8.198	128	3348733	41.528	ng	99
32) Benzoic acid	7.957	122	768433	49.225	ng	99
33) 4-Chloroaniline	8.239	127	434516	14.417	ng	99
34) Hexachlorobutadiene	8.310	225	619846	39.410	ng	98
35) Caprolactam	8.616	113	344744m	50.077	ng	
36) 4-Chloro-3-methylphenol	8.722	107	1093315	48.154	ng	95
37) 2-Methylnaphthalene	8.886	142	2265572	42.809	ng	99
38) 1-Methylnaphthalene	8.986	142	2124321	40.961	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	1038498	39.812	ng	99
41) Hexachlorocyclopentadiene	9.039	237	1084129	127.462	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	763984	46.775	ng	100

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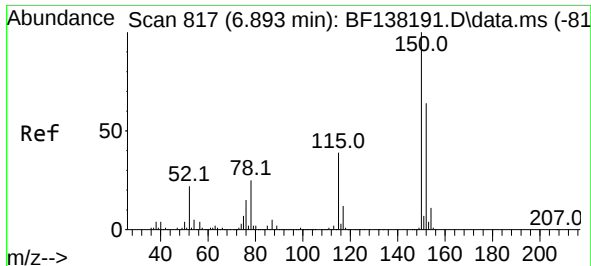
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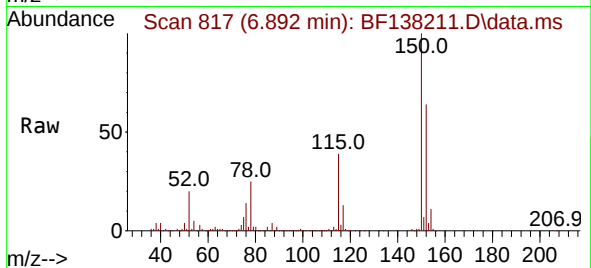
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	803137	44.776	ng	98
46) 1,1'-Biphenyl	9.351	154	2674695	40.834	ng	99
47) 2-Chloronaphthalene	9.375	162	2180031	42.113	ng	99
48) 2-Nitroaniline	9.475	65	644287	51.680	ng	90
49) Acenaphthylene	9.792	152	3308048	45.572	ng	98
50) Dimethylphthalate	9.657	163	2494473	45.608	ng	100
51) 2,6-Dinitrotoluene	9.716	165	581694	49.025	ng	89
52) Acenaphthene	9.963	154	2291543m	46.295	ng	
53) 3-Nitroaniline	9.880	138	430862	33.992	ng	99
54) 2,4-Dinitrophenol	9.986	184	551610	88.070	ng	98
55) Dibenzofuran	10.139	168	2985371	43.144	ng	99
56) 4-Nitrophenol	10.045	139	951185	94.958	ng	87
57) 2,4-Dinitrotoluene	10.116	165	768364	52.503	ng	# 85
58) Fluorene	10.480	166	2260757	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	655779	46.781	ng	97
60) Diethylphthalate	10.351	149	2436318	46.934	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	1146819	42.325	ng	98
62) 4-Nitroaniline	10.498	138	568671	44.902	ng	100
63) Azobenzene	10.627	77	2420717	46.548	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	385027	48.721	ng	92
66) n-Nitrosodiphenylamine	10.592	169	2096253	44.260	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	768683	44.095	ng	# 89
68) Hexachlorobenzene	11.021	284	855200	42.038	ng	98
69) Atrazine	11.116	200	684601	50.748	ng	98
70) Pentachlorophenol	11.216	266	1001017	84.371	ng	98
71) Phenanthrene	11.439	178	3281220	42.888	ng	98
72) Anthracene	11.492	178	3354220	44.158	ng	98
73) Carbazole	11.645	167	2904698	41.693	ng	99
74) Di-n-butylphthalate	11.974	149	3550726	49.230	ng	99
75) Fluoranthene	12.627	202	3246361	41.612	ng	99
77) Benzidine	12.751	184	954014	102.797	ng	98
78) Pyrene	12.857	202	3224091	46.586	ng	99
80) Butylbenzylphthalate	13.474	149	1286063	68.317	ng	98
81) Benzo(a)anthracene	14.039	228	2383179	46.298	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	630852	44.504	ng	99
83) Chrysene	14.074	228	2318587	47.256	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1674852	76.496	ng	99
85) Di-n-octyl phthalate	14.645	149	2482189	76.312	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	2580230	45.366	ng	99
88) Benzo(b)fluoranthene	15.092	252	2341140	45.503	ng	99
89) Benzo(k)fluoranthene	15.121	252	2252598	44.675	ng	99
90) Benzo(a)pyrene	15.462	252	2165600	48.995	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	2074349	44.434	ng	99
92) Benzo(g,h,i)perylene	17.450	276	1960561	40.595	ng	97

(#) = 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: BF138211.D
Acq: 17 Jun 2024 18:29

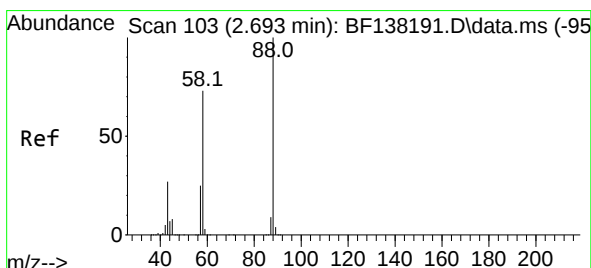
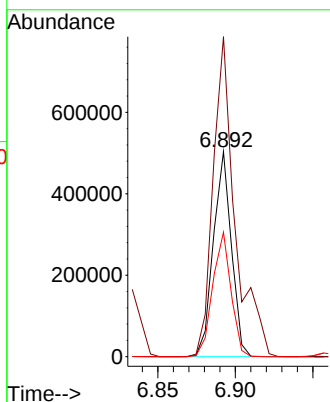
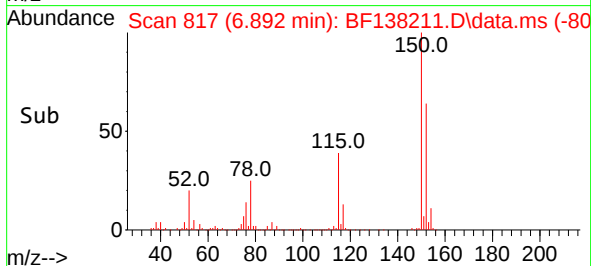
Instrument :
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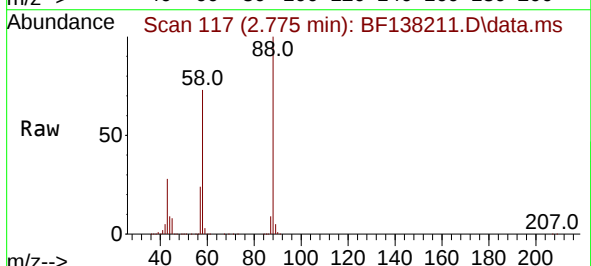
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Ion Ratio Lower Upper
152 100
150 155.9 125.0 187.4
115 60.6 48.4 72.6

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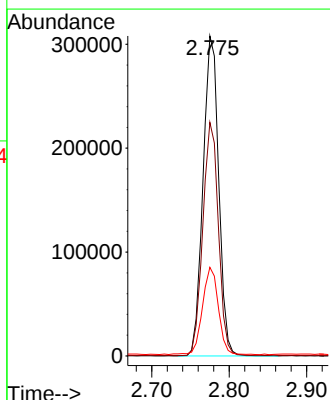
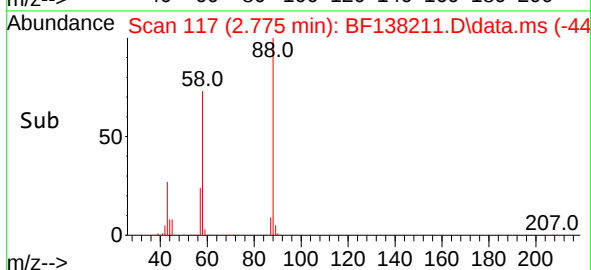
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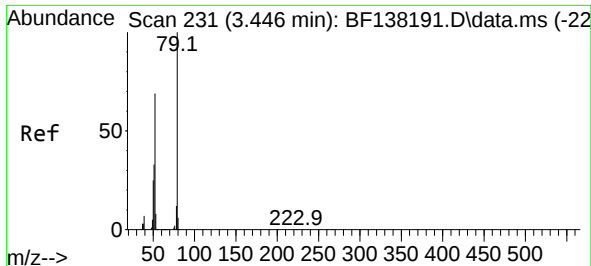


#2
1,4-Dioxane
Concen: 38.730 ng
RT: 2.775 min Scan# 117
Delta R.T. 0.082 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion: 88 Resp: 431925
Ion Ratio Lower Upper
88 100
58 72.4 58.6 87.8
43 27.8 22.4 33.6





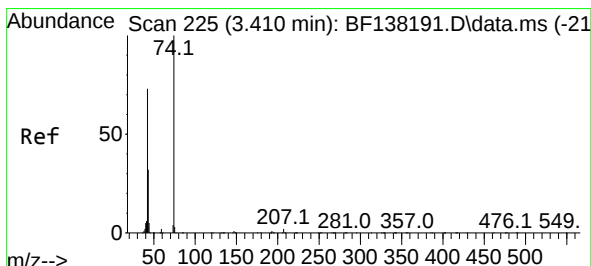
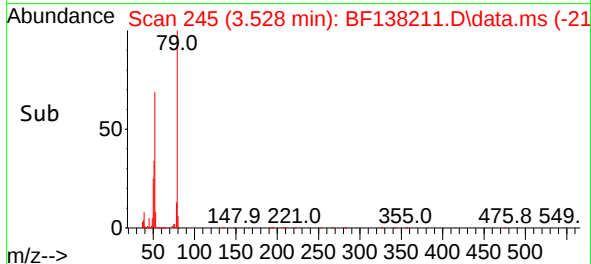
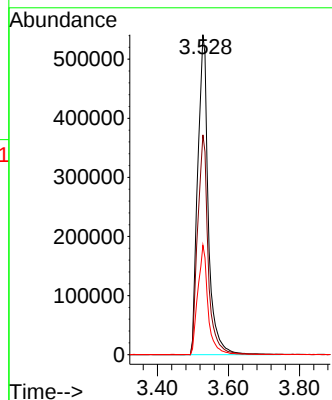
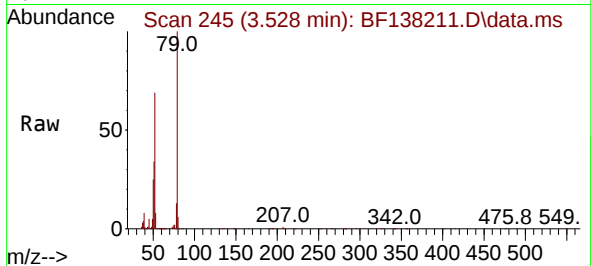
#3
Pyridine
Concen: 42.233 ng
RT: 3.528 min Scan# 245
Delta R.T. 0.082 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Tgt Ion: 79 Resp: 111939
Ion Ratio Lower Upper
79 100
52 68.7 55.0 82.4
51 34.2 26.9 40.3

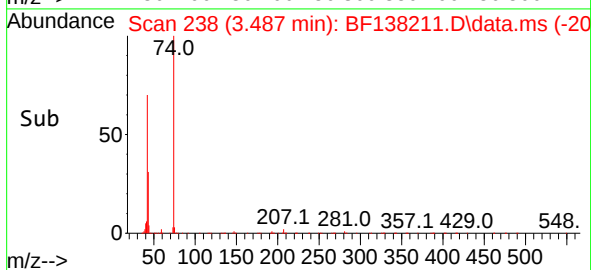
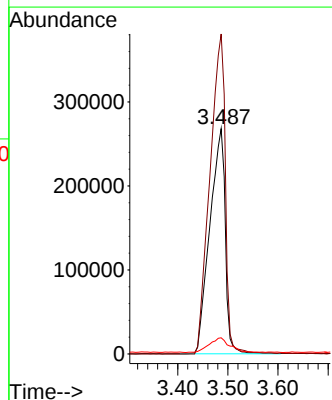
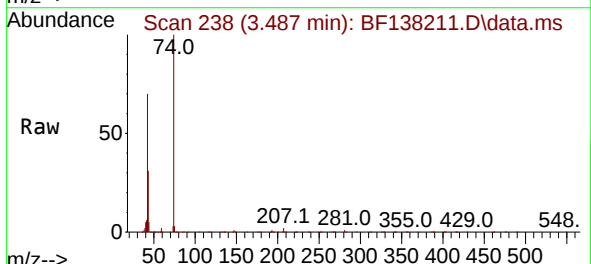
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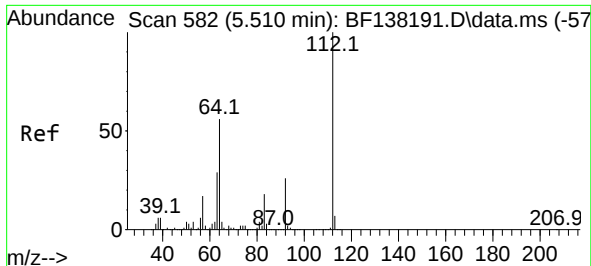
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#4
n-Nitrosodimethylamine
Concen: 46.751 ng
RT: 3.487 min Scan# 238
Delta R.T. 0.076 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion: 42 Resp: 573487
Ion Ratio Lower Upper
42 100
74 142.1 109.9 164.9
44 7.2 5.2 7.8





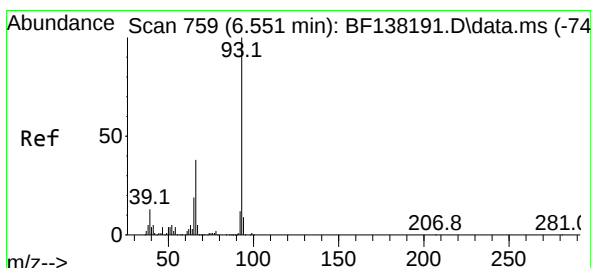
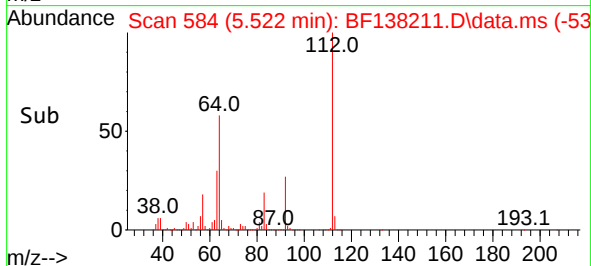
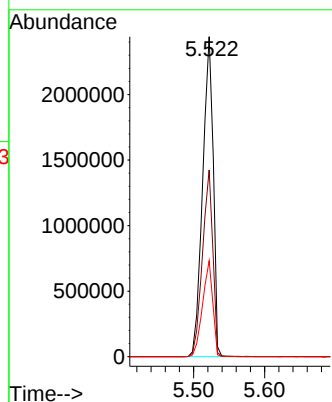
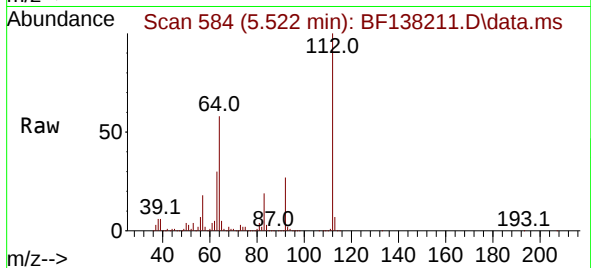
#5
2-Fluorophenol
Concen: 104.177 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Tgt Ion:112 Resp: 2538714
Ion Ratio Lower Upper
112 100
64 58.3 45.2 67.8
63 30.0 22.9 34.3

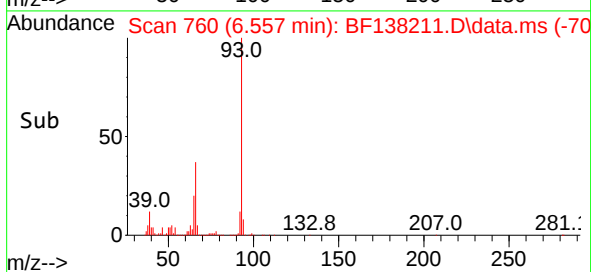
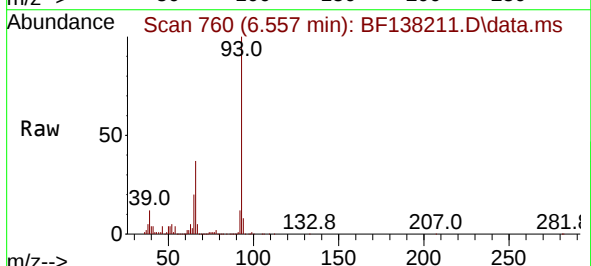
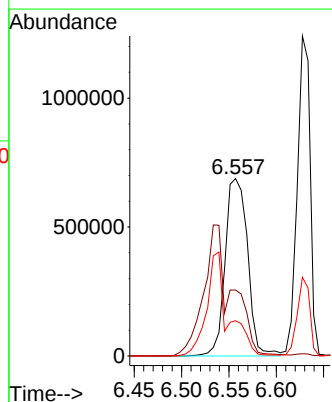
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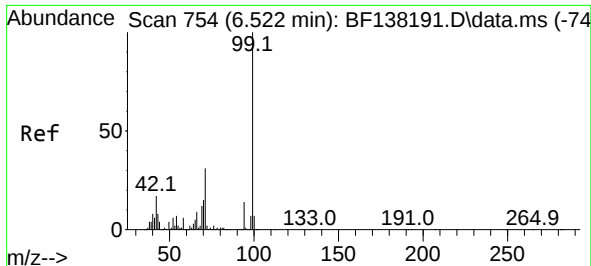
Reviewed By :Jagrut Upadhyay 06/18/2024
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#6
Aniline
Concen: 37.622 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

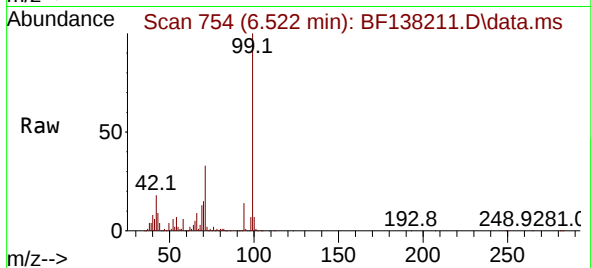
Tgt Ion: 93 Resp: 1137553
Ion Ratio Lower Upper
93 100
66 37.2 30.8 46.2
65 19.8 15.5 23.3





#7
Phenol-d6
Concen: 104.885 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

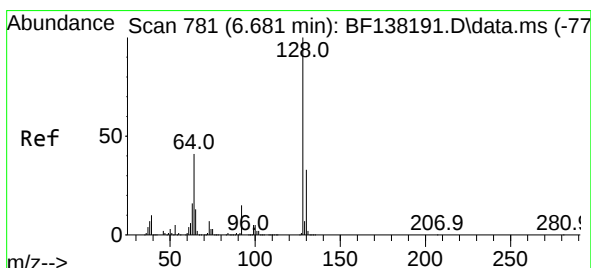
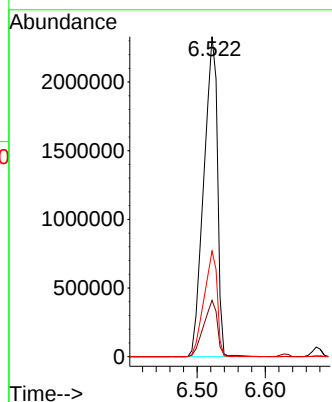
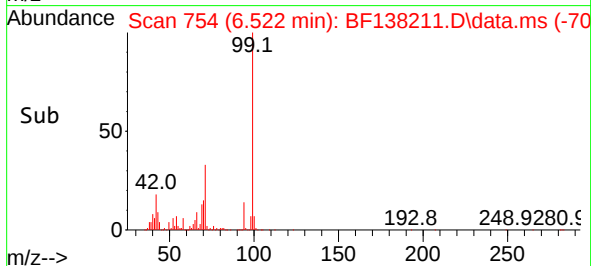
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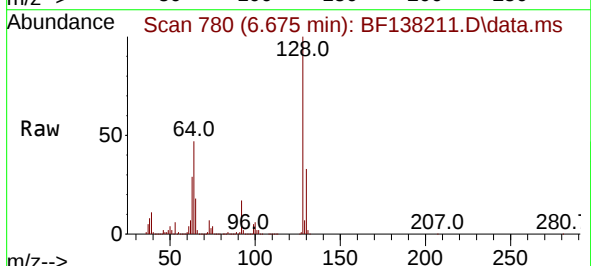
Tgt Ion: 99 Resp: 3241064
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 33.0 25.0 37.6

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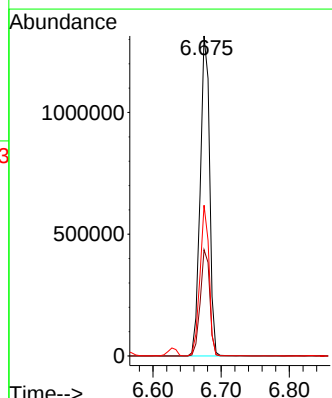
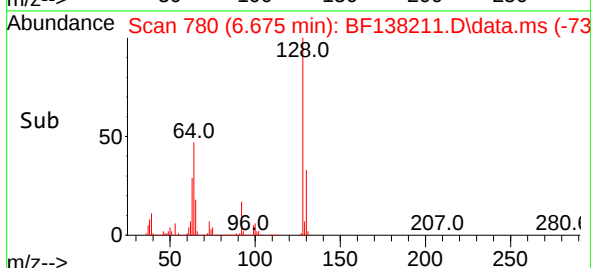
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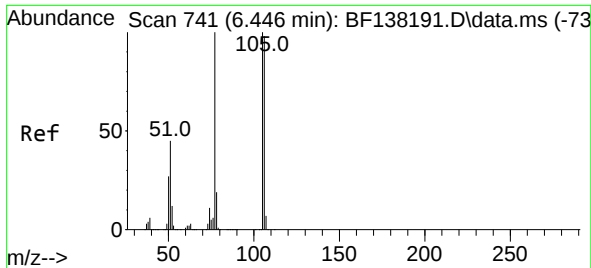


#8
2-Chlorophenol
Concen: 47.686 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



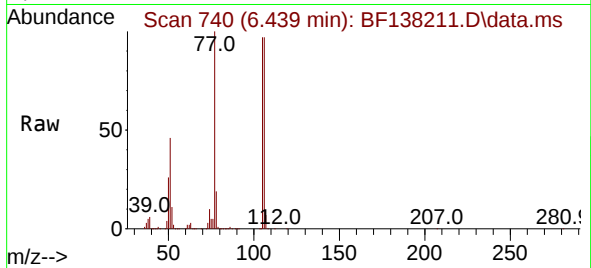
Tgt Ion:128 Resp: 1256359
Ion Ratio Lower Upper
128 100
130 33.2 13.1 53.1
64 47.1 21.8 61.8





#9
Benzaldehyde
Concen: 14.629 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.007 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

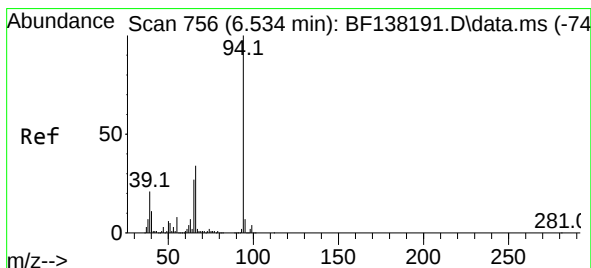
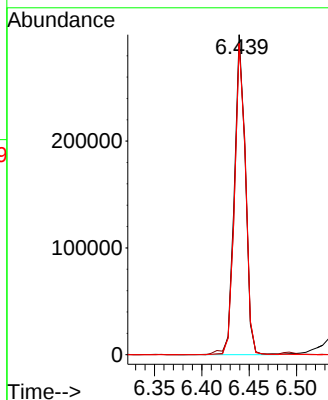
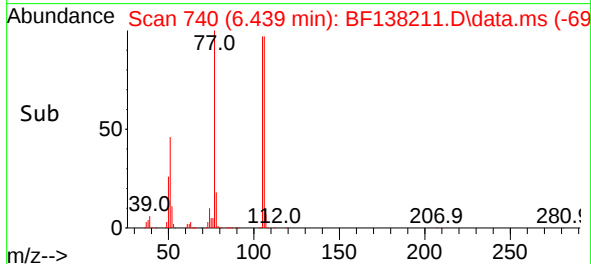
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Soil/Gravel-SPMS



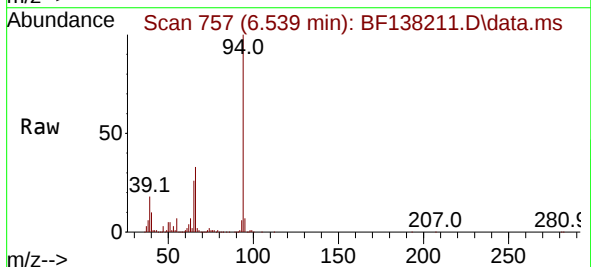
Tgt Ion: 77 Resp: 240089
Ion Ratio Lower Upper
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105 97.4 80.1 120.1
106 97.1 77.8 117.8

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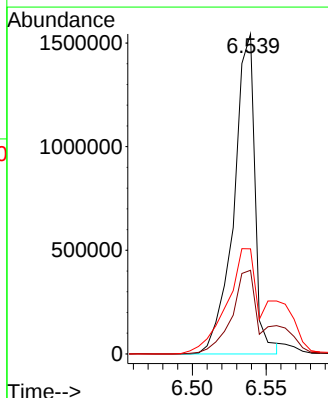
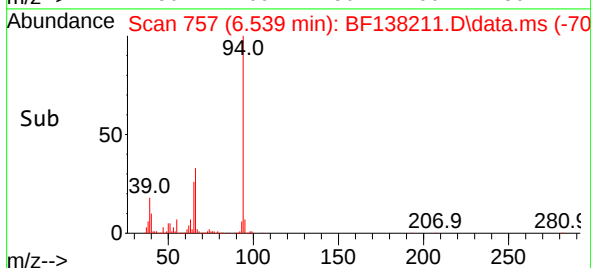
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

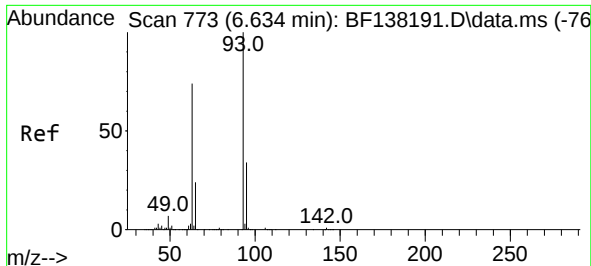


#10
Phenol
Concen: 48.949 ng m
RT: 6.539 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



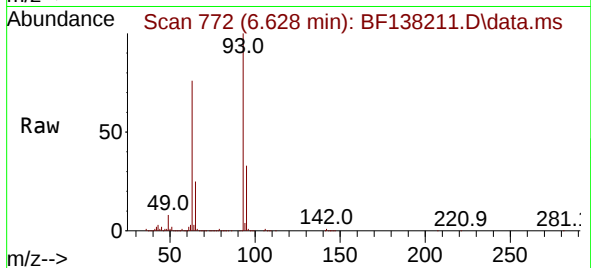
Tgt Ion: 94 Resp: 1535003
Ion Ratio Lower Upper
94 100
65 26.1 6.8 46.8
66 32.9 14.2 54.2





#11
bis(2-Chloroethyl)ether
Concen: 46.596 ng
RT: 6.628 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

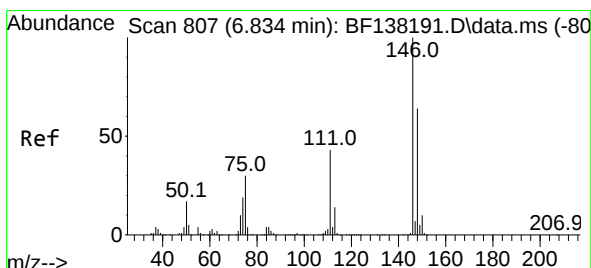
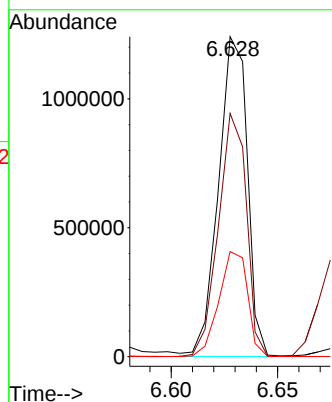
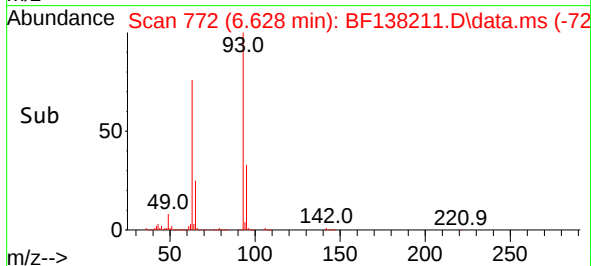
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



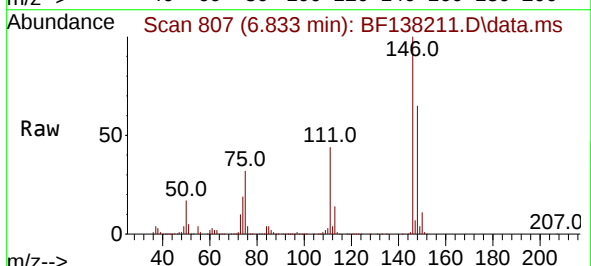
Tgt Ion: 93 Resp: 1169492
Ion Ratio Lower Upper
93 100
63 76.0 52.5 92.5
95 32.9 13.2 53.2

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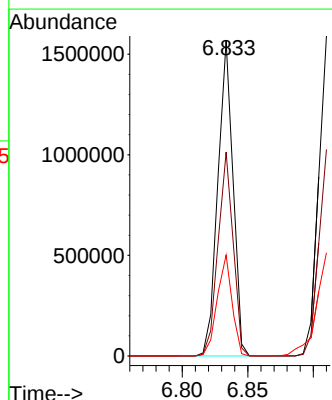
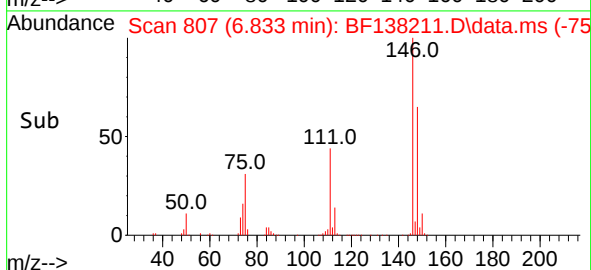
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

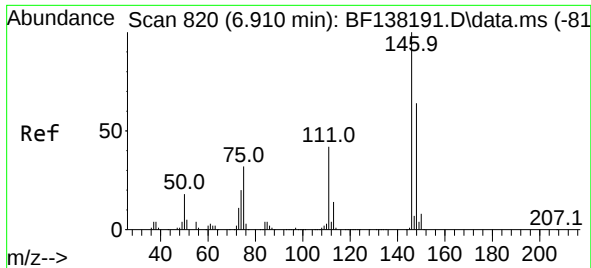


#12
1,3-Dichlorobenzene
Concen: 42.053 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



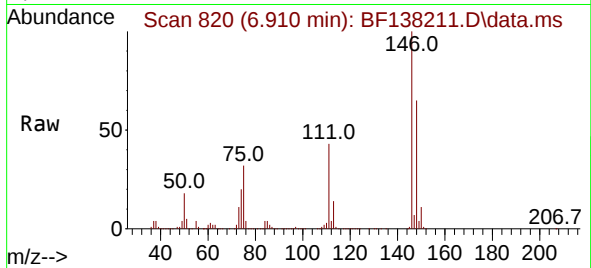
Tgt Ion:146 Resp: 1259152
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
75 32.0 24.3 36.5





#13
1,4-Dichlorobenzene
Concen: 42.639 ng
RT: 6.910 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

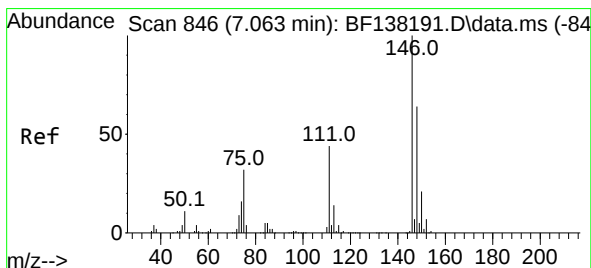
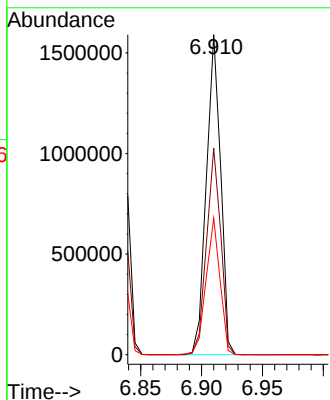
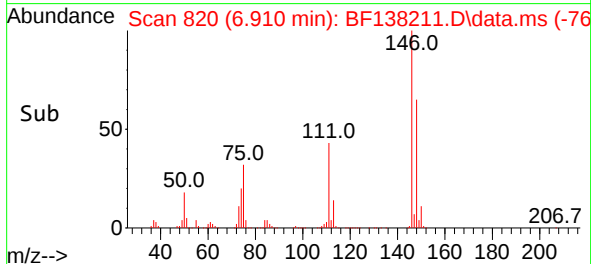
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:146 Resp: 128479
Ion Ratio Lower Upper
146 100
148 64.6 51.1 76.7
111 42.6 33.7 50.5

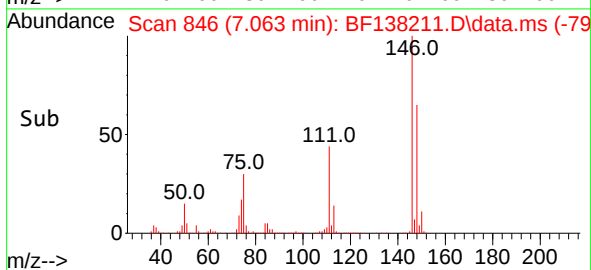
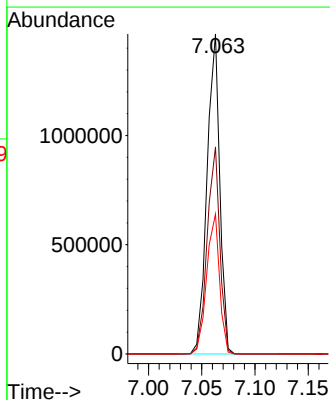
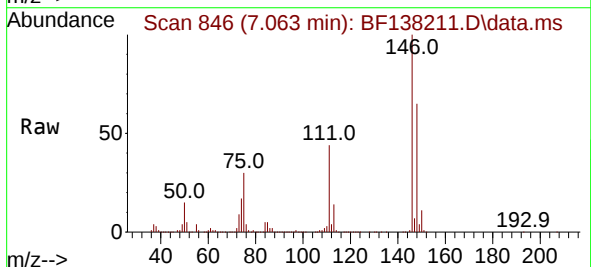
Manual Integrations
APPROVED

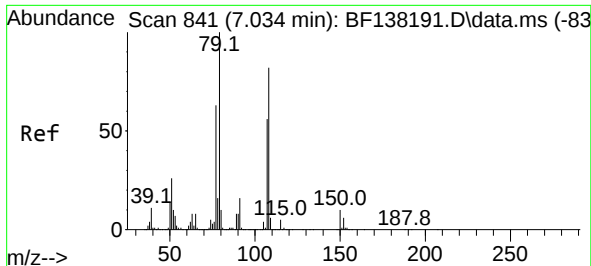
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#14
1,2-Dichlorobenzene
Concen: 43.153 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

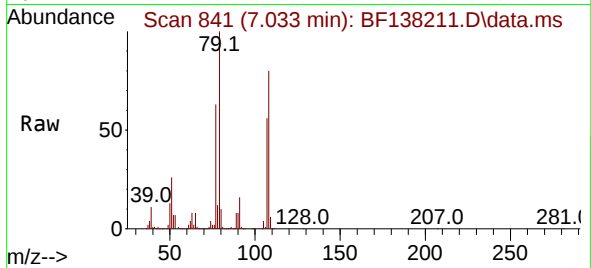
Tgt Ion:146 Resp: 1220659
Ion Ratio Lower Upper
146 100
148 64.7 51.2 76.8
111 43.7 35.4 53.2





#15
Benzyl Alcohol
Concen: 49.149 ng
RT: 7.033 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

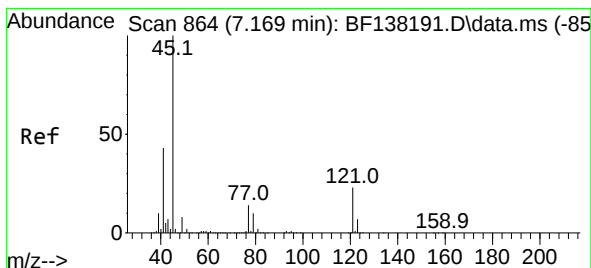
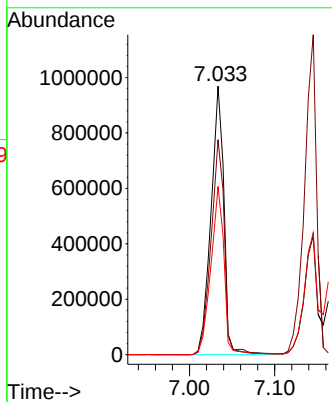
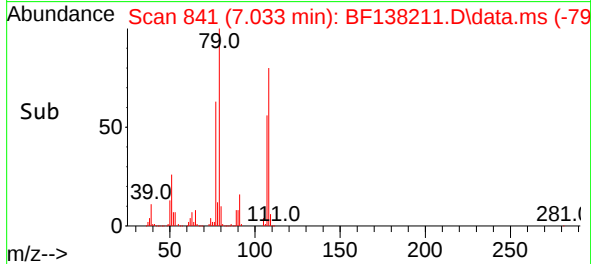
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



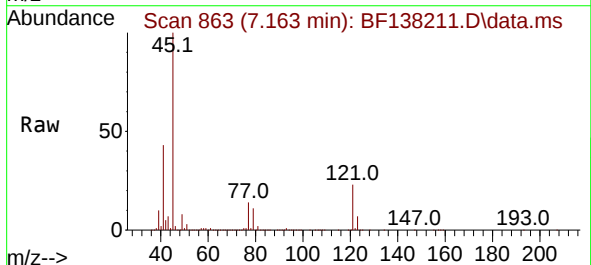
Tgt Ion: 79 Resp: 1024040
Ion Ratio Lower Upper
79 100
108 80.1 65.9 98.9
77 62.6 50.3 75.5

Manual Integrations
APPROVED

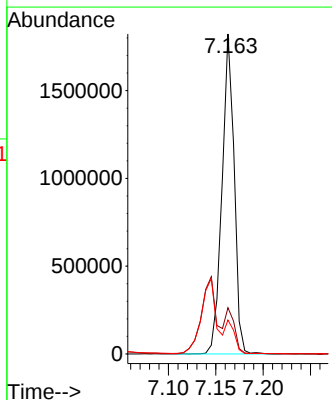
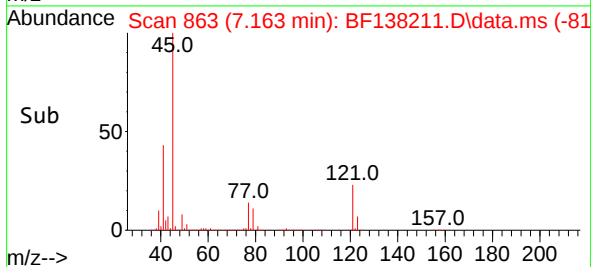
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

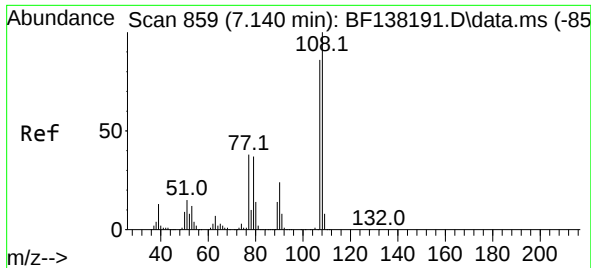


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.010 ng
RT: 7.163 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion: 45 Resp: 1629769
Ion Ratio Lower Upper
45 100
77 14.5 0.0 33.9
79 10.6 0.0 30.7





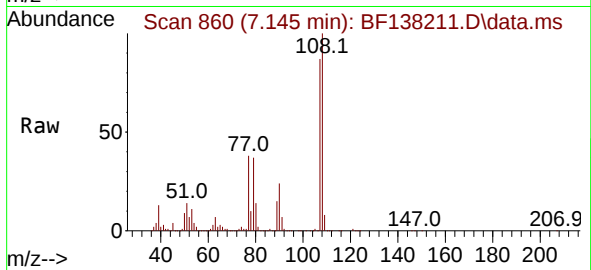
#17
2-Methylphenol
Concen: 47.664 ng
RT: 7.145 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

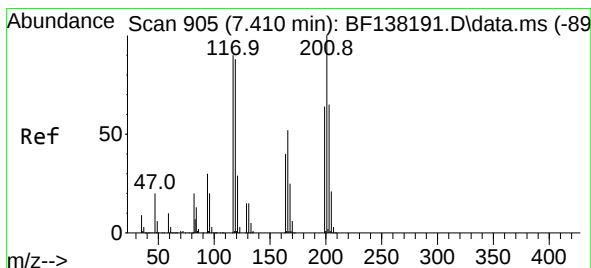
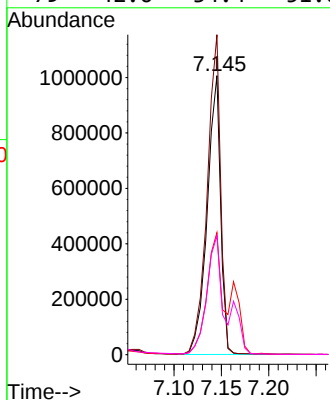
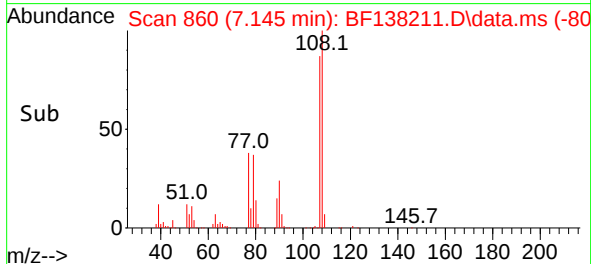


Tgt Ion:107 Resp: 990774
Ion Ratio Lower Upper
107 100
108 114.7 92.7 139.1
77 43.7 35.7 53.5
79 42.6 34.4 51.6

Manual Integrations

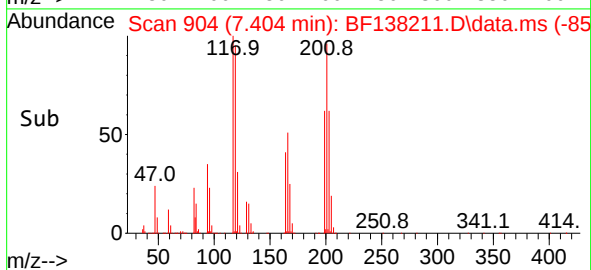
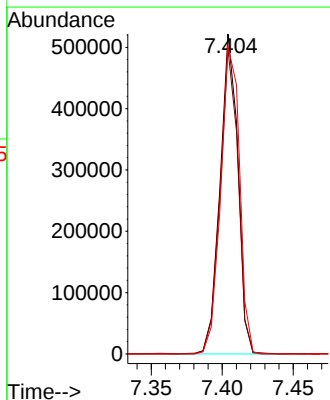
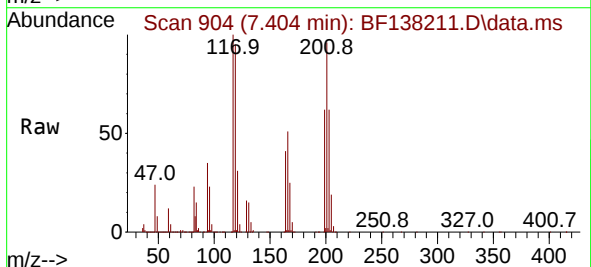
APPROVED

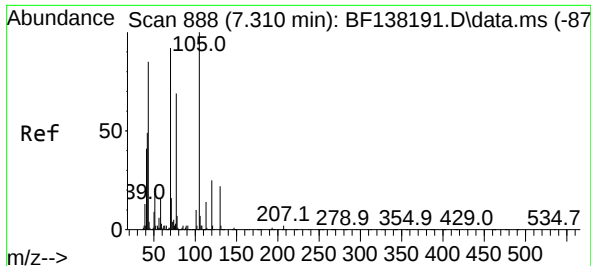
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#18
Hexachloroethane
Concen: 44.489 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

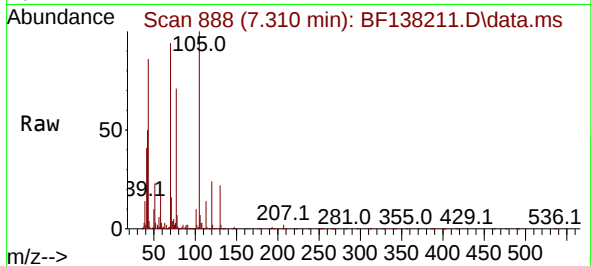
Tgt Ion:117 Resp: 454155
Ion Ratio Lower Upper
117 100
119 95.2 78.4 117.6
201 96.2 89.0 133.6





#19
n-Nitroso-di-n-propylamine
Concen: 46.163 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

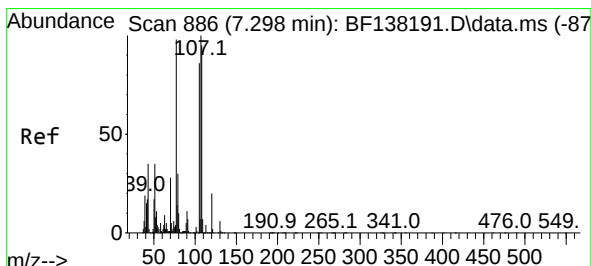
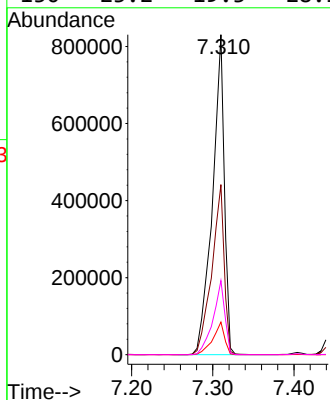
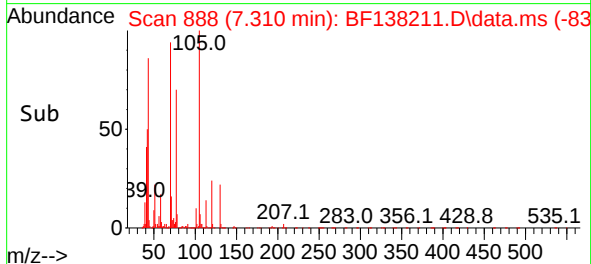
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



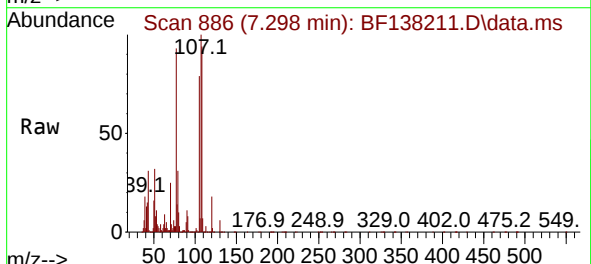
Tgt Ion: 70 Resp: 84556
Ion Ratio Lower Upper
70 100
42 53.2 42.8 64.2
101 10.2 8.4 12.6
130 23.2 19.3 28.9

Manual Integrations
APPROVED

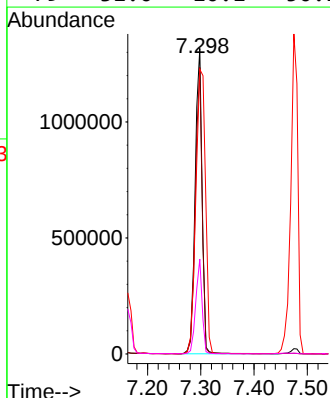
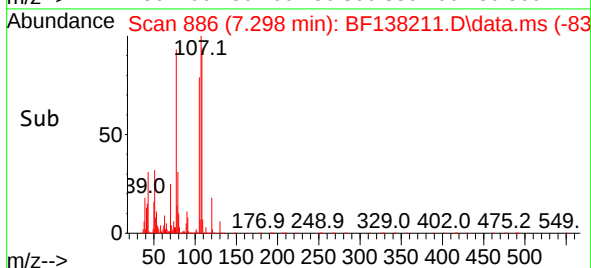
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

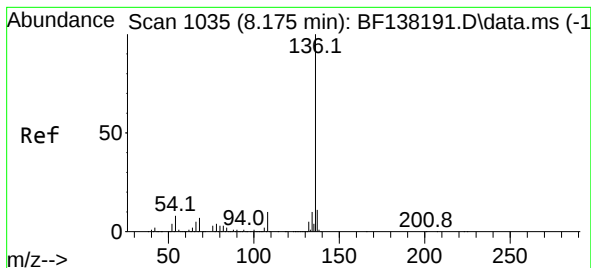


#20
3+4-Methylphenols
Concen: 45.757 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion:107 Resp: 1197154
Ion Ratio Lower Upper
107 100
108 93.7 74.9 114.9
77 93.1 78.2 118.2
79 31.0 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: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:136 Resp: 1630789

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.4 6.6 10.0

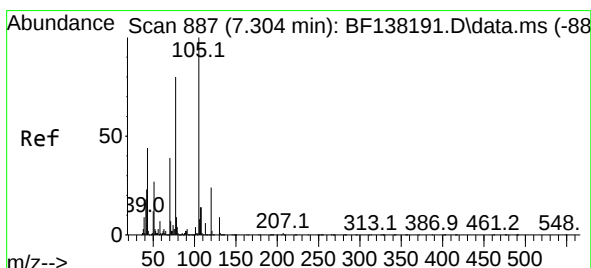
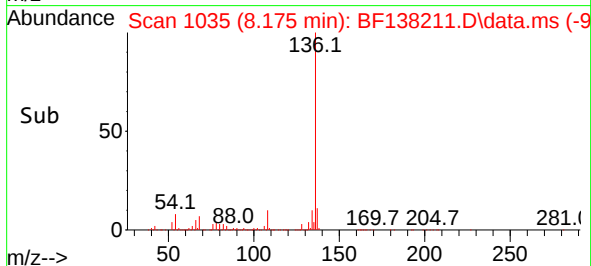
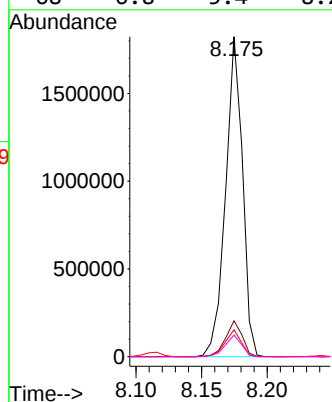
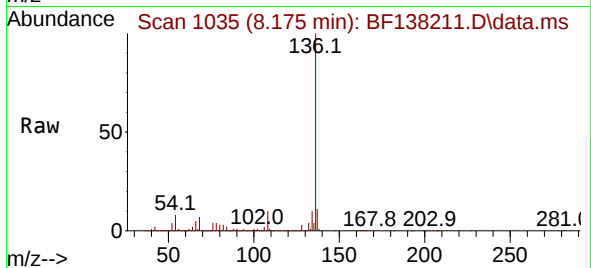
68 6.8 5.4 8.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#22

Acetophenone

Concen: 41.952 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion:105 Resp: 1562886

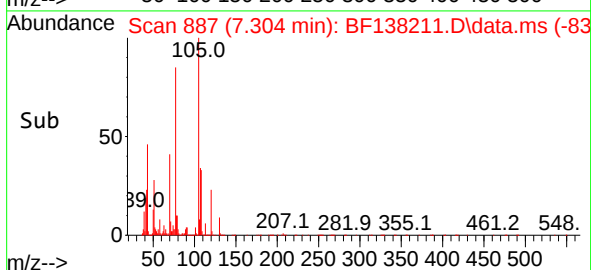
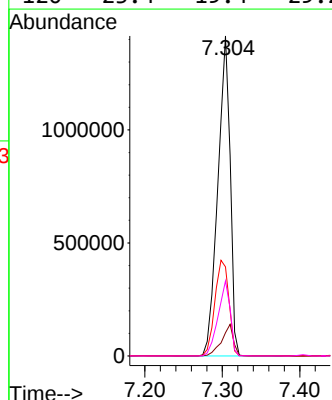
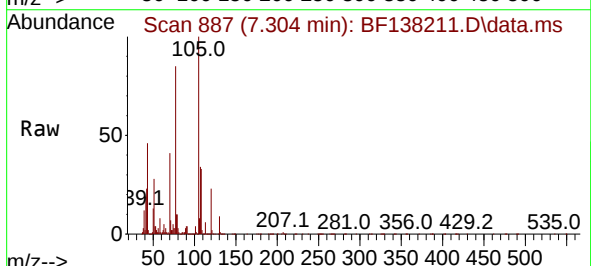
Ion Ratio Lower Upper

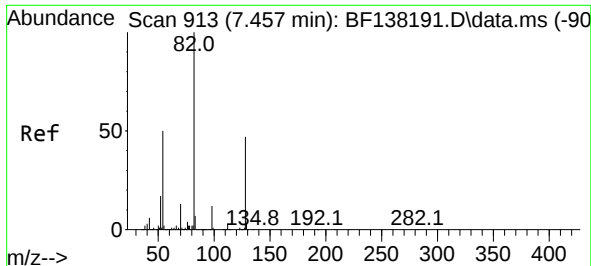
105 100

71 7.3 5.4 8.2

51 27.9 21.4 32.0

120 23.4 19.4 29.2





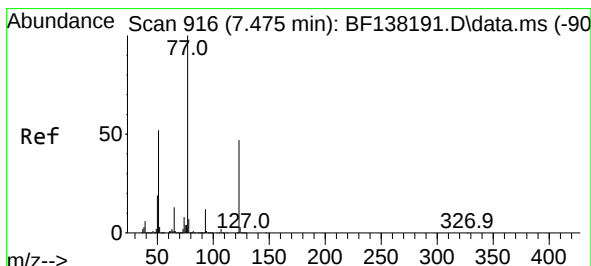
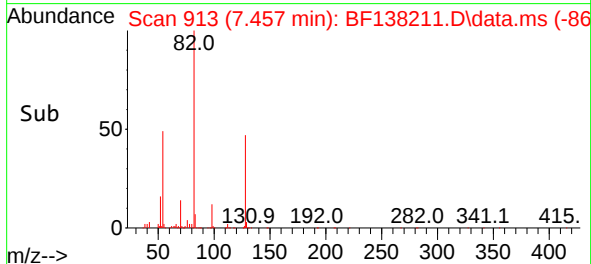
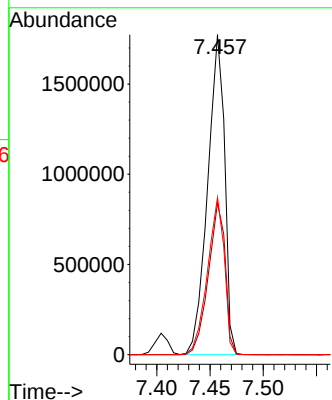
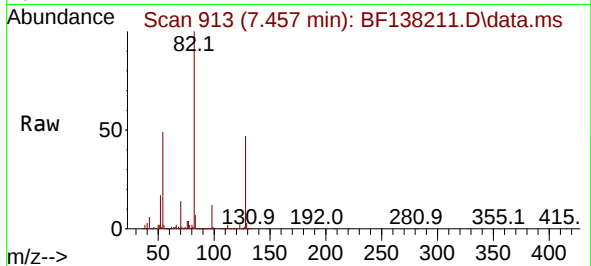
#23
Nitrobenzene-d5
Concen: 70.521 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Tgt Ion: 82 Resp: 1975470
Ion Ratio Lower Upper
82 100
128 47.4 37.2 55.8
54 49.2 39.8 59.6

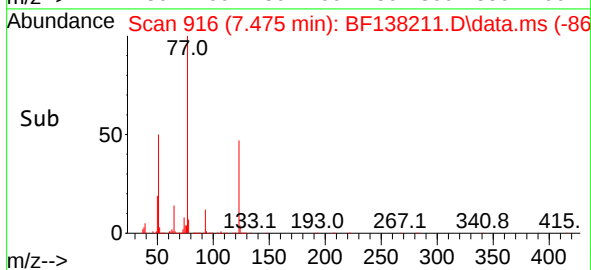
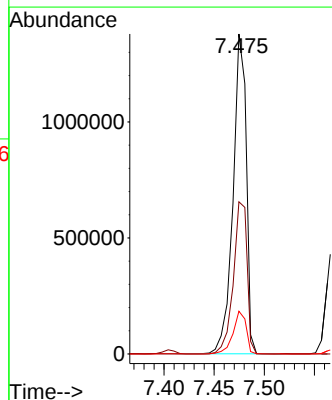
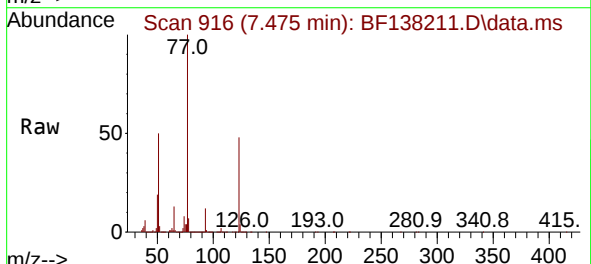
Manual Integrations
APPROVED

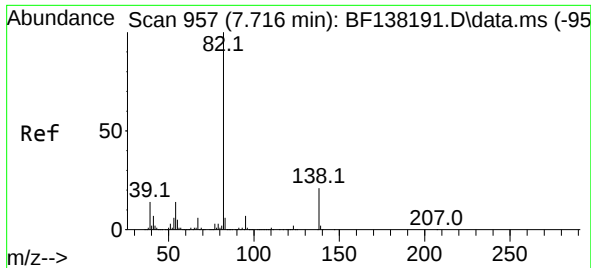
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#24
Nitrobenzene
Concen: 43.815 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

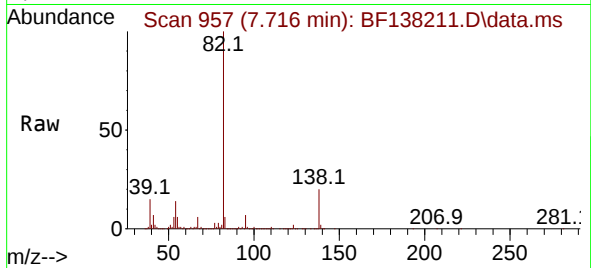
Tgt Ion: 77 Resp: 1268543
Ion Ratio Lower Upper
77 100
123 47.6 37.3 55.9
65 13.4 10.6 15.8





#25
Isophorone
Concen: 45.694 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

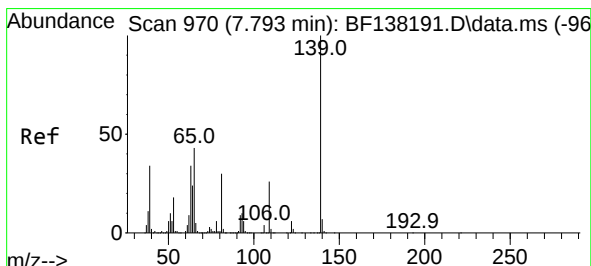
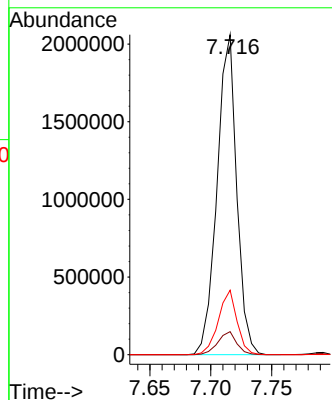
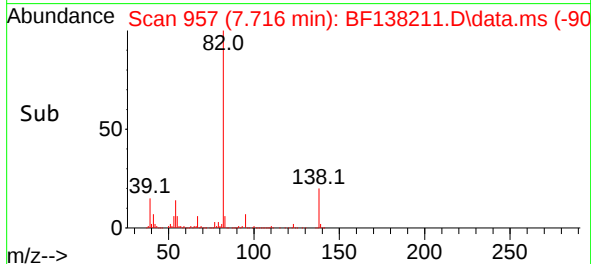
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion: 82 Resp: 231528
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 20.2 16.4 24.6

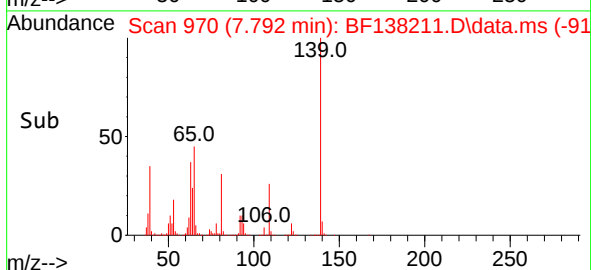
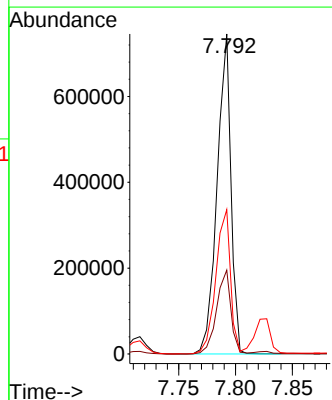
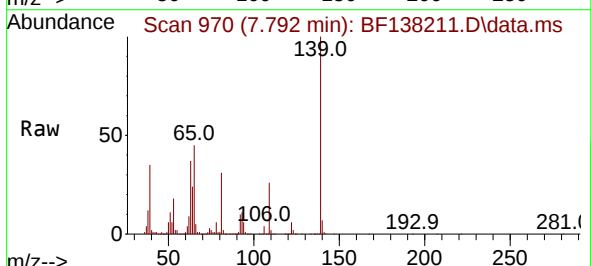
Manual Integrations
APPROVED

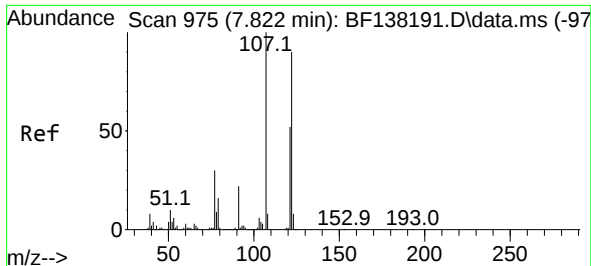
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#26
2-Nitrophenol
Concen: 54.451 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.001 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:139 Resp: 633924
Ion Ratio Lower Upper
139 100
109 26.2 20.7 31.1
65 45.1 34.5 51.7





#27

2,4-Dimethylphenol

Concen: 50.105 ng m

RT: 7.828 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138211.D

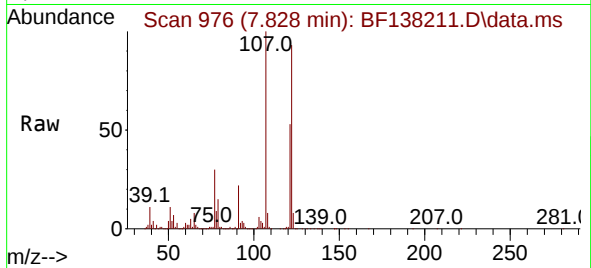
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

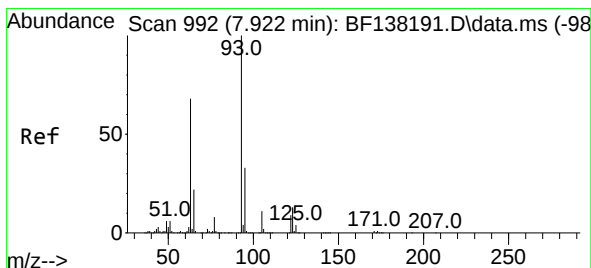
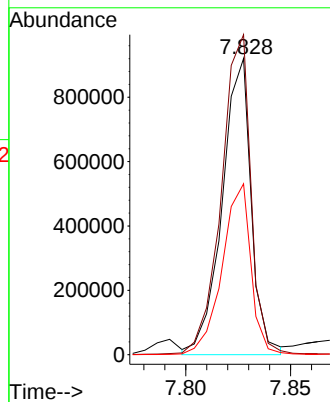
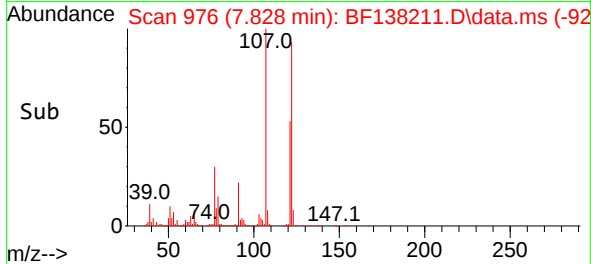


Tgt Ion:	122	Resp:	88744
Ion	Ratio	Lower	Upper
122	100		
107	108.0	87.7	131.5
121	57.7	45.8	68.8

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 45.497 ng

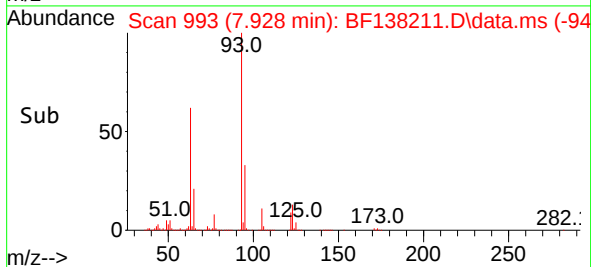
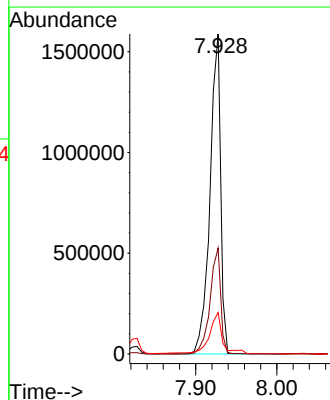
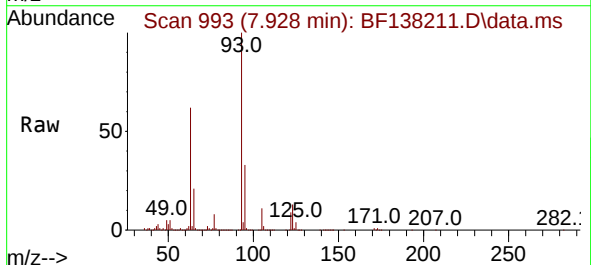
RT: 7.928 min Scan# 993

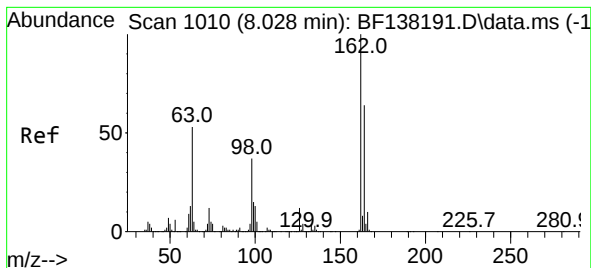
Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

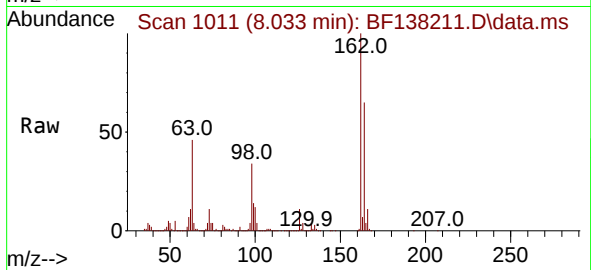
Tgt Ion:	93	Resp:	1443068
Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	39.8
123	12.9	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 45.611 ng
RT: 8.033 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

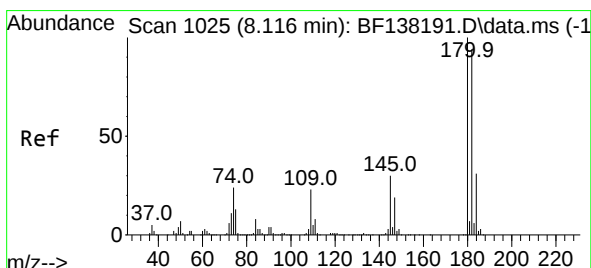
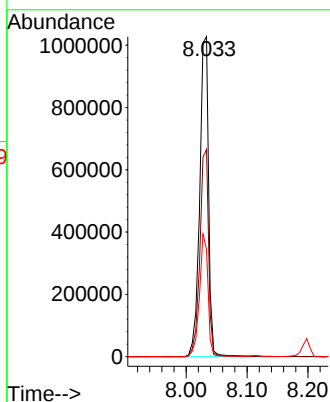
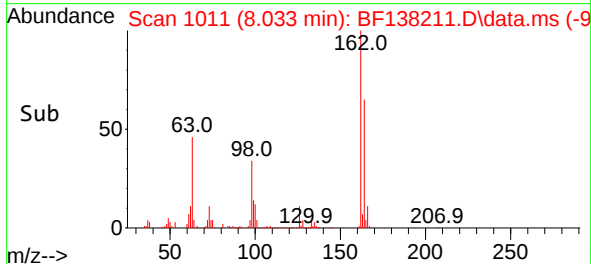
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:162 Resp: 1040080
Ion Ratio Lower Upper
162 100
164 64.8 44.3 84.3
98 33.6 16.5 56.5

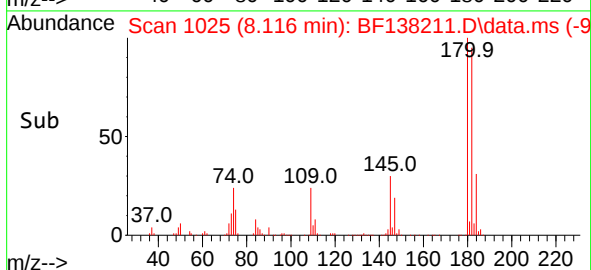
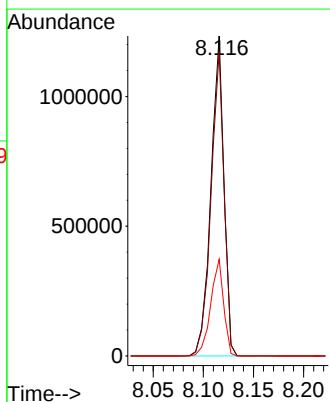
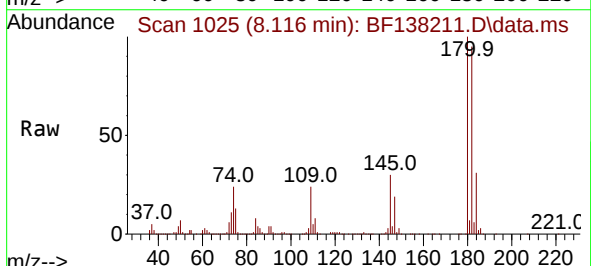
Manual Integrations
APPROVED

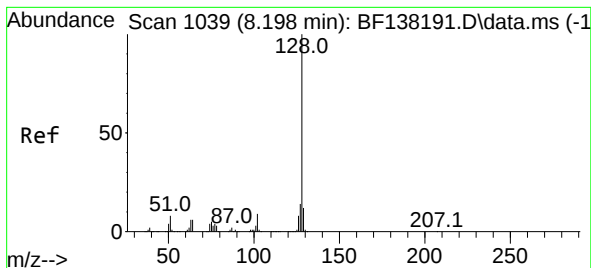
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#30
1,2,4-Trichlorobenzene
Concen: 41.465 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

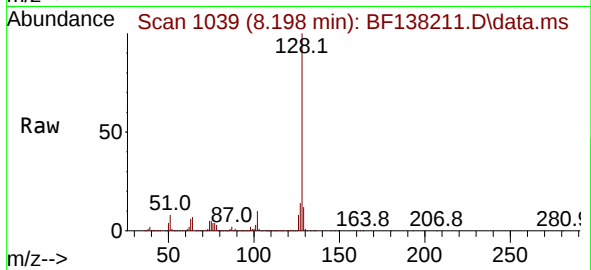
Tgt Ion:180 Resp: 1115096
Ion Ratio Lower Upper
180 100
182 95.1 75.0 112.6
145 30.2 23.8 35.6





#31
Naphthalene
Concen: 41.528 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

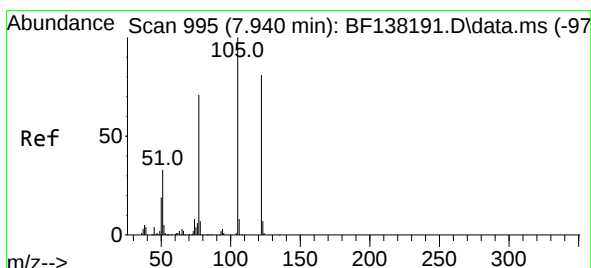
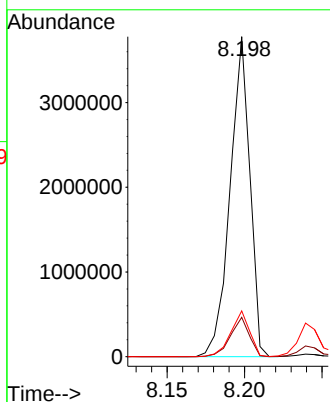
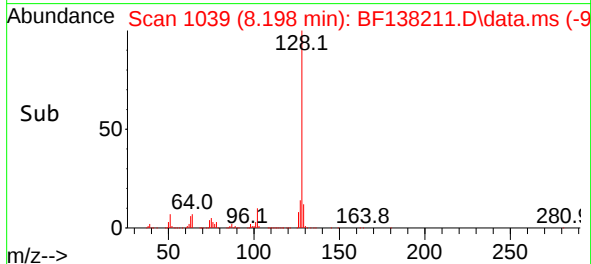
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:128 Resp: 334873
Ion Ratio Lower Upper
128 100
129 12.3 9.5 14.3
127 14.3 11.0 16.6

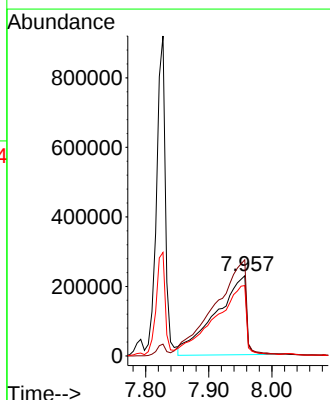
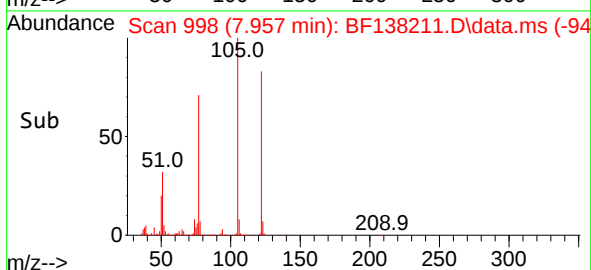
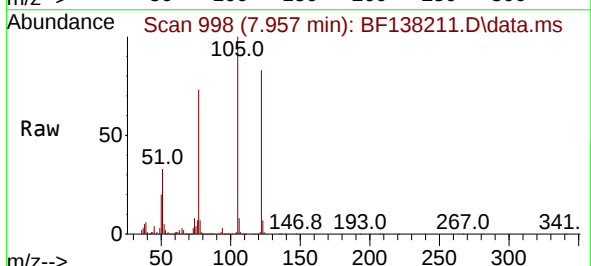
Manual Integrations
APPROVED

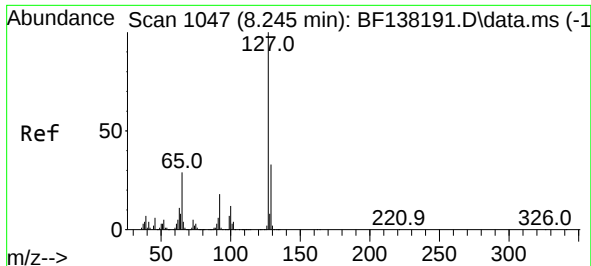
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#32
Benzoic acid
Concen: 49.225 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.017 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:122 Resp: 768433
Ion Ratio Lower Upper
122 100
105 120.0 100.1 140.1
77 87.8 66.5 106.5





#33
4-Chloroaniline
Concen: 14.417 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

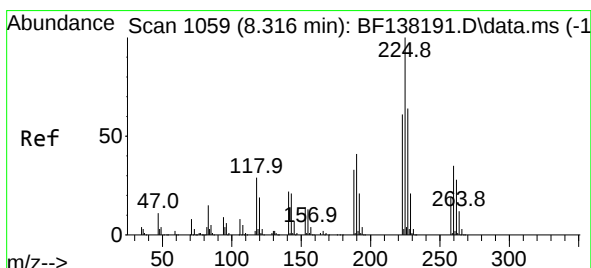
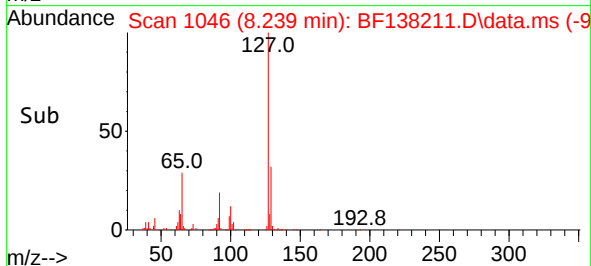
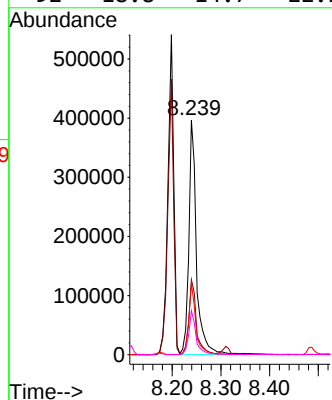
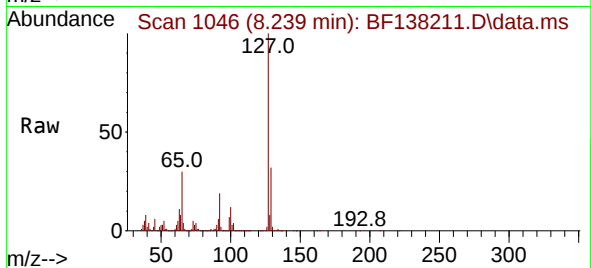
Soil/Gravel-SPMS

Tgt Ion:127 Resp: 434510
Ion Ratio Lower Upper
127 100
129 32.0 26.1 39.1
65 30.4 23.6 35.4
92 18.8 14.7 22.1

Manual Integrations

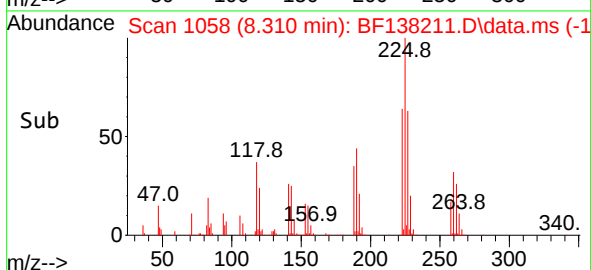
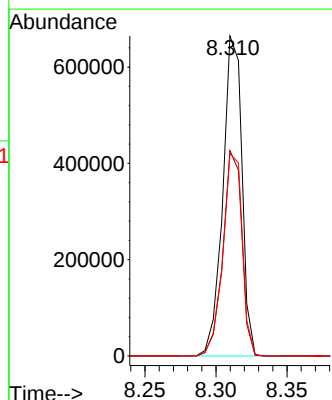
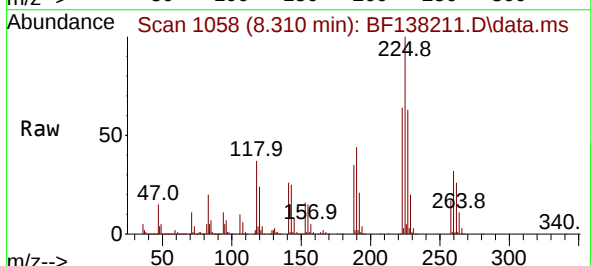
APPROVED

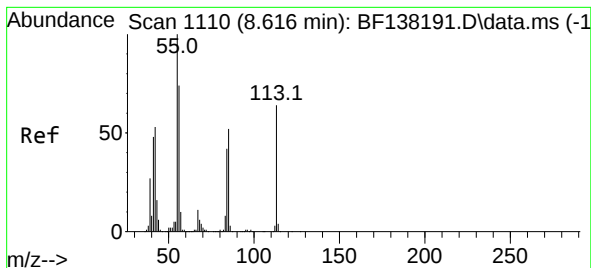
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#34
Hexachlorobutadiene
Concen: 39.410 ng
RT: 8.310 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:225 Resp: 619846
Ion Ratio Lower Upper
225 100
223 64.2 49.0 73.6
227 63.3 51.2 76.8





#35

Caprolactam

Concen: 50.077 ng m

RT: 8.616 min Scan# 1110

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

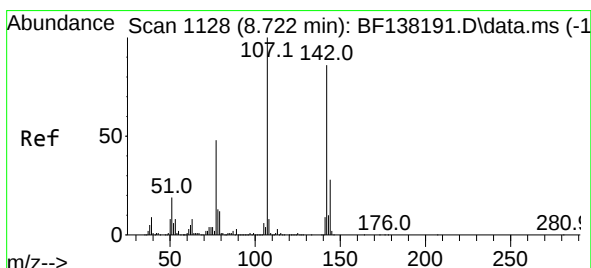
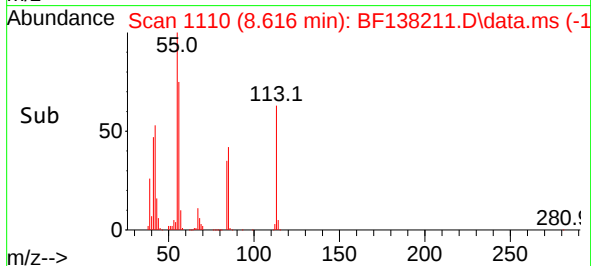
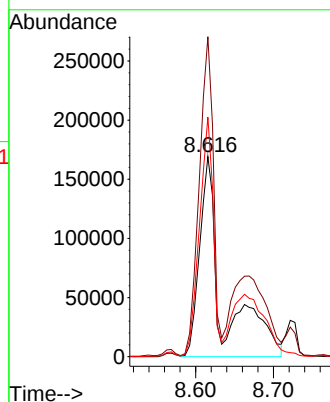
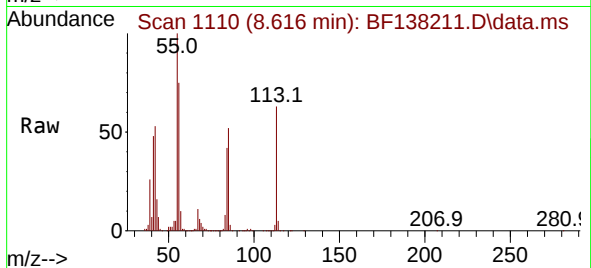
Soil/Gravel-SPMS

Tgt Ion:113 Resp: 344744
 Ion Ratio Lower Upper
 113 100
 55 159.9 135.4 175.4
 56 119.7 95.5 135.5

Manual Integrations

APPROVED

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



#36

4-Chloro-3-methylphenol

Concen: 48.154 ng

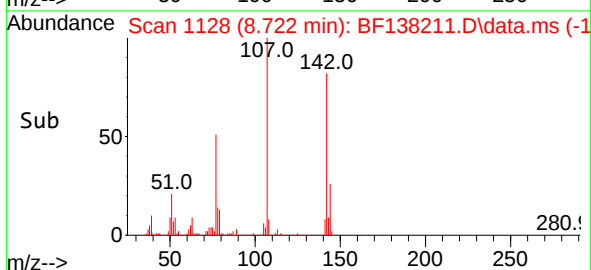
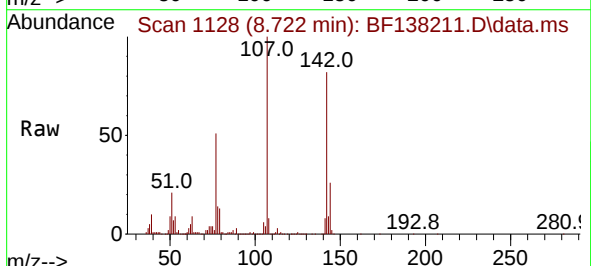
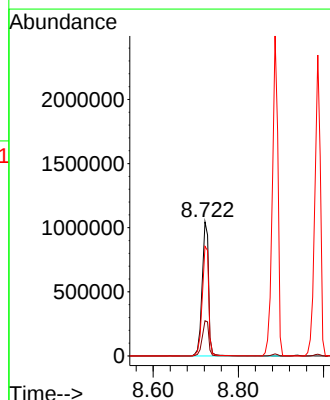
RT: 8.722 min Scan# 1128

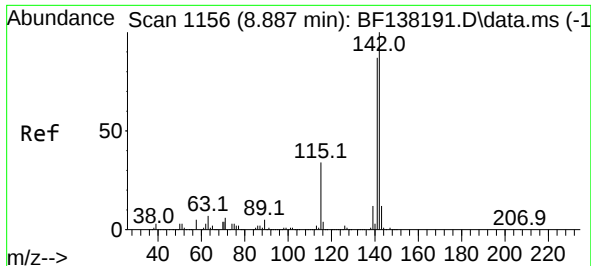
Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion:107 Resp: 1093315
 Ion Ratio Lower Upper
 107 100
 144 26.2 22.6 34.0
 142 81.7 69.0 103.4





#37

2-Methylnaphthalene

Concen: 42.809 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:142 Resp: 226557

Ion Ratio Lower Upper

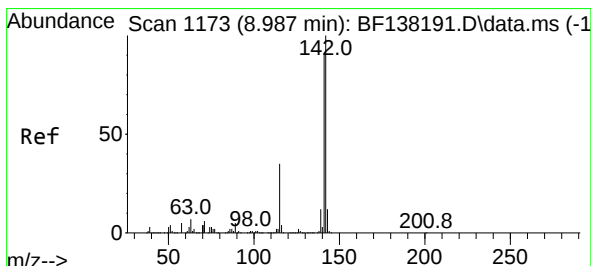
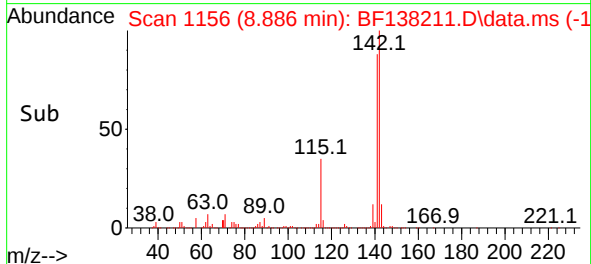
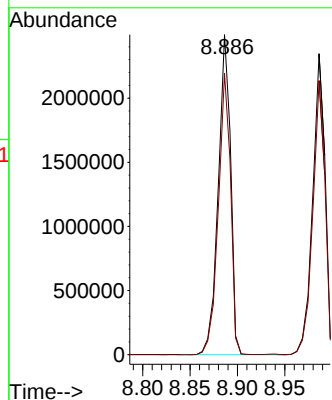
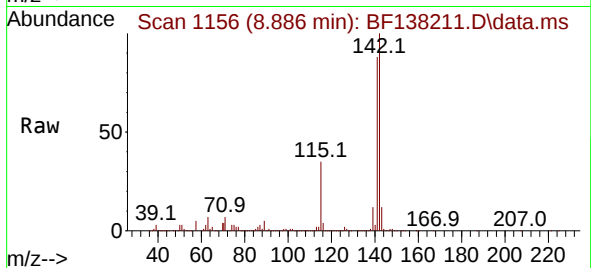
142 100

141 88.0 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: 40.961 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF138211.D

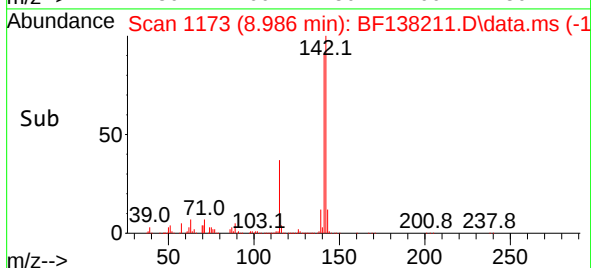
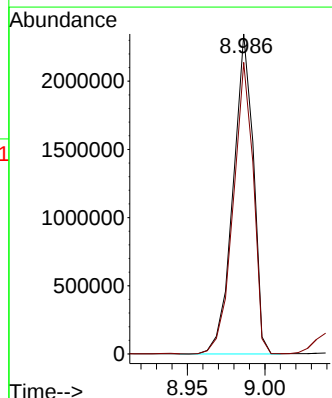
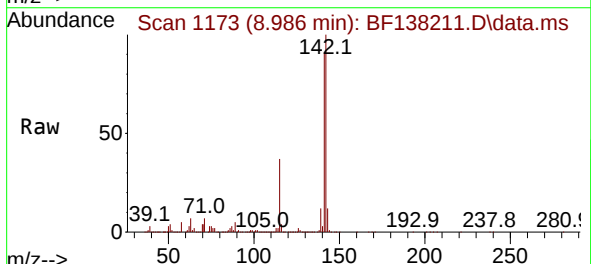
Acq: 17 Jun 2024 18:29

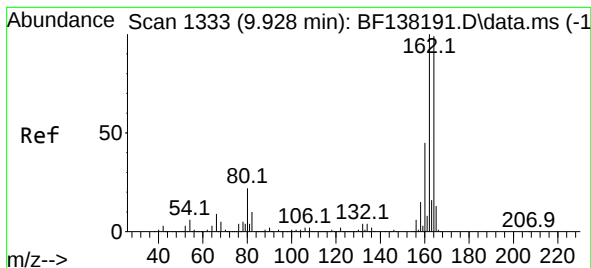
Tgt Ion:142 Resp: 2124321

Ion Ratio Lower Upper

142 100

141 91.1 72.8 109.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF138211.D

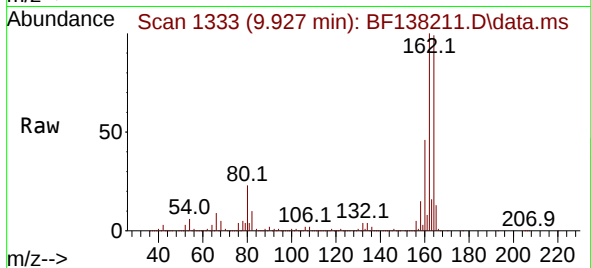
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS



Tgt Ion:164 Resp: 892654

Ion Ratio Lower Upper

164 100

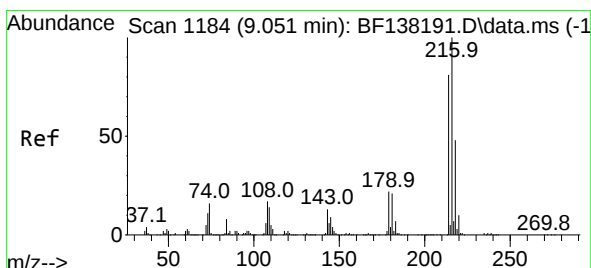
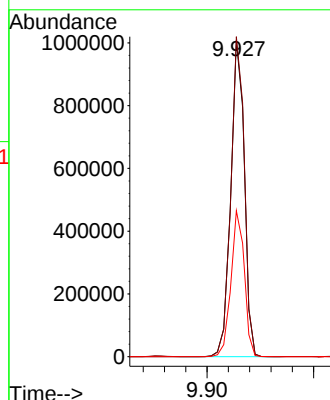
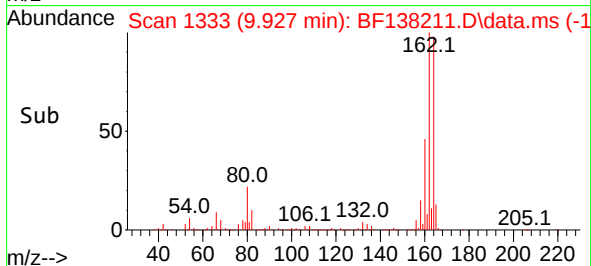
162 101.2 80.6 121.0

160 46.1 36.3 54.5

Manual Integrations

APPROVED

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.812 ng

RT: 9.051 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion:216 Resp: 1038498

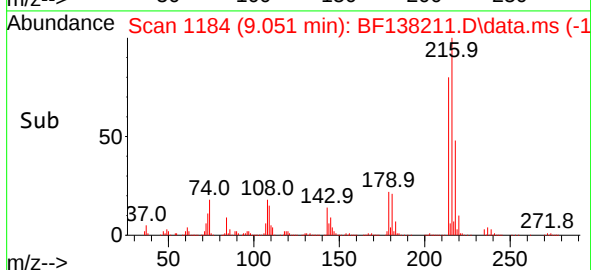
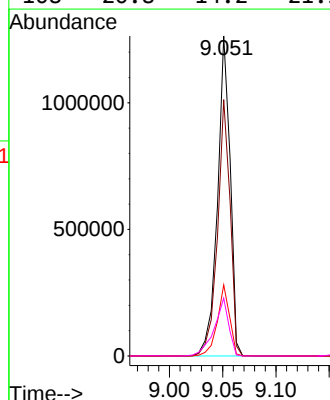
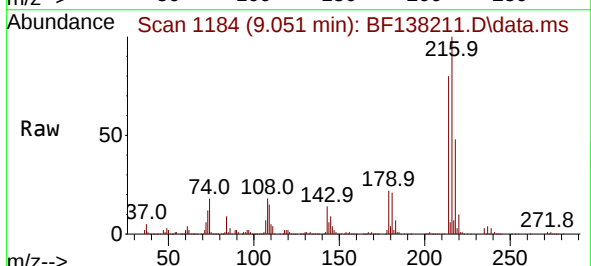
Ion Ratio Lower Upper

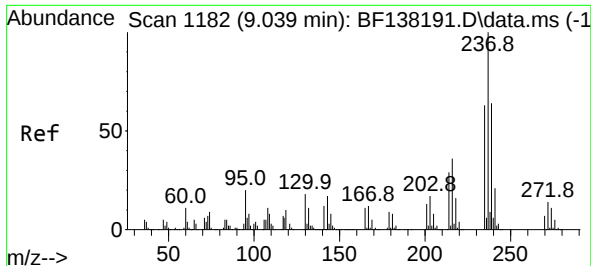
216 100

214 79.3 63.7 95.5

179 21.4 16.9 25.3

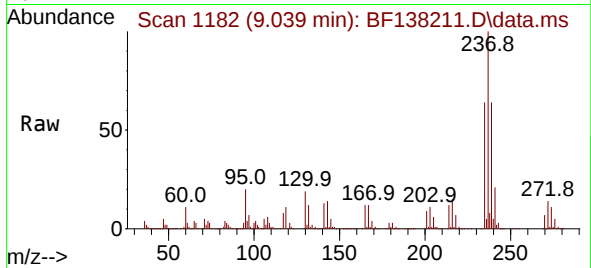
108 20.8 14.2 21.2





#41
Hexachlorocyclopentadiene
Concen: 127.462 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

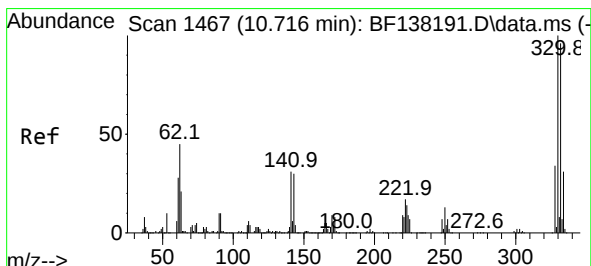
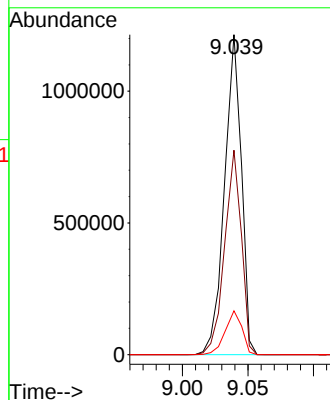
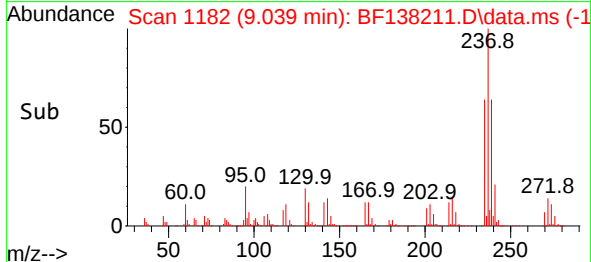
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



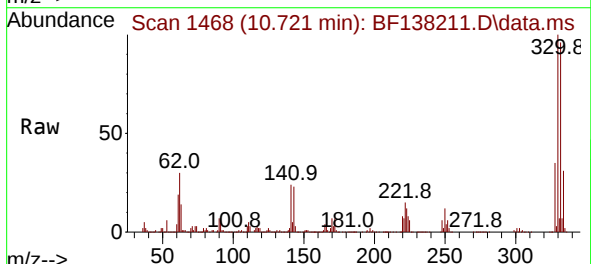
Tgt Ion:237 Resp: 1084129
Ion Ratio Lower Upper
237 100
235 63.9 43.3 83.3
272 13.7 0.0 34.0

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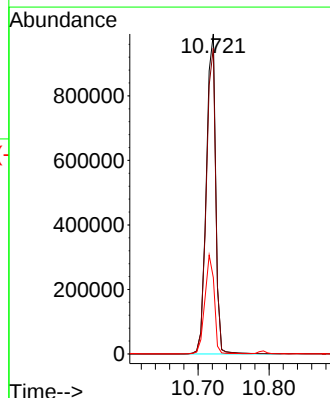
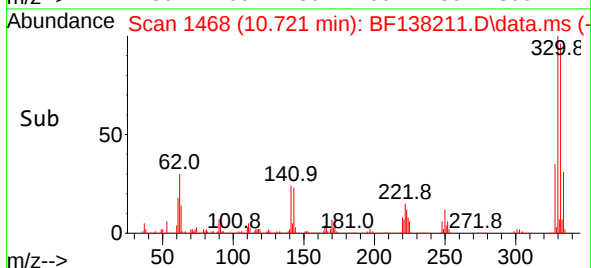
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

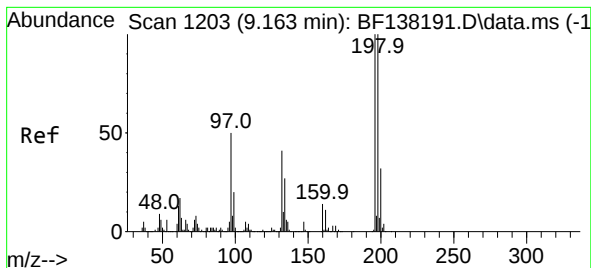


#42
2,4,6-Tribromophenol
Concen: 102.481 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion:330 Resp: 910704
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 31.0 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 46.775 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

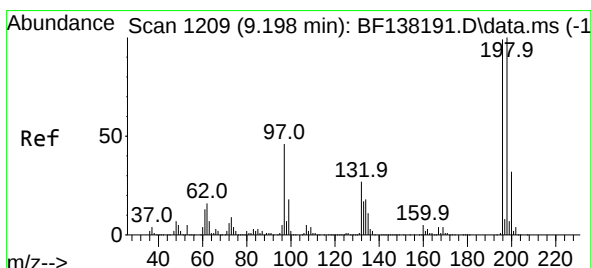
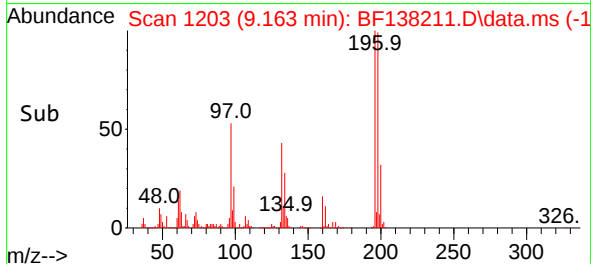
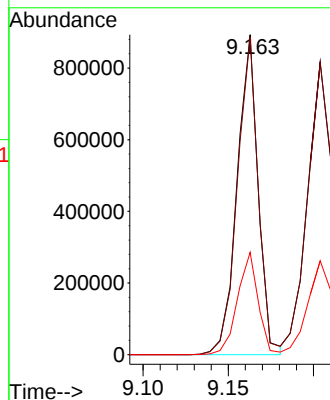
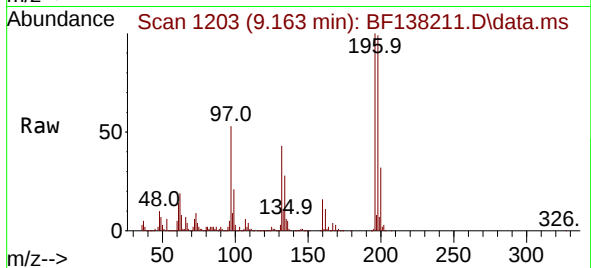
Soil/Gravel-SPMS

Tgt Ion:196	Resp:	763984
Ion Ratio	Lower	Upper
196	100	
198	99.3	79.8 119.6
200	32.0	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: 44.776 ng

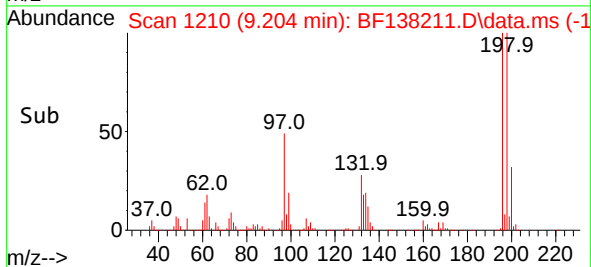
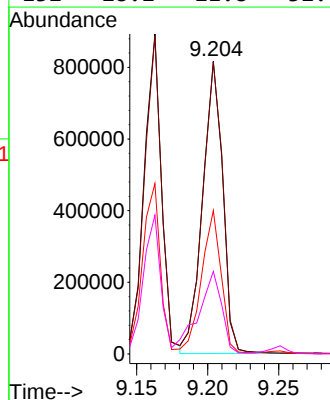
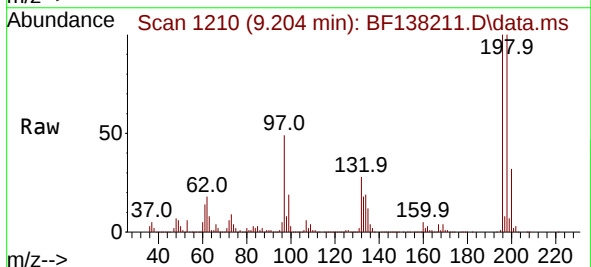
RT: 9.204 min Scan# 1210

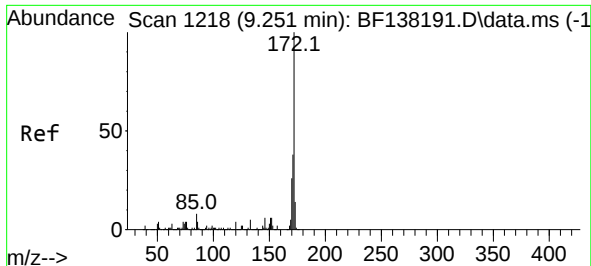
Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Tgt Ion:196	Resp:	803137
Ion Ratio	Lower	Upper
196	100	
198	99.7	80.4 120.6
97	49.0	37.4 56.2
132	28.2	21.8 32.6





#45
2-Fluorobiphenyl
Concen: 64.526 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

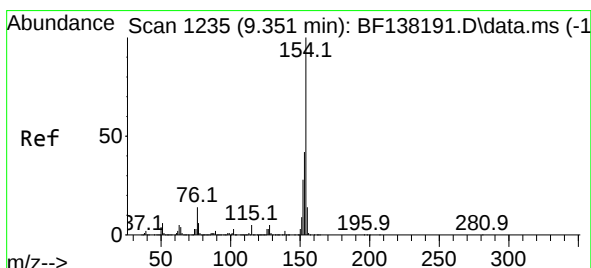
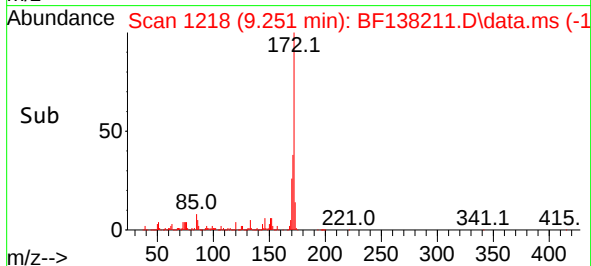
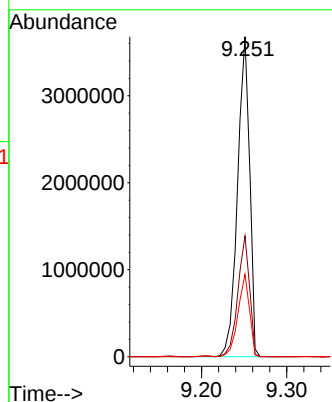
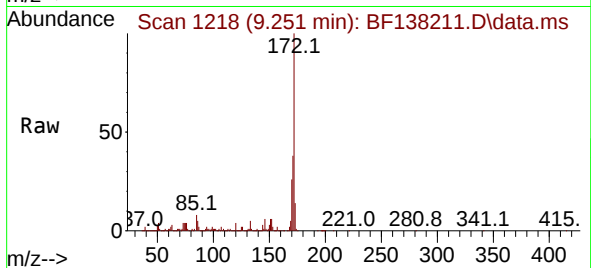
Soil/Gravel-SPMS

Tgt Ion:172 Resp: 3622270
Ion Ratio Lower Upper
172 100
171 37.8 30.3 45.5
170 25.7 20.6 30.8

Manual Integrations

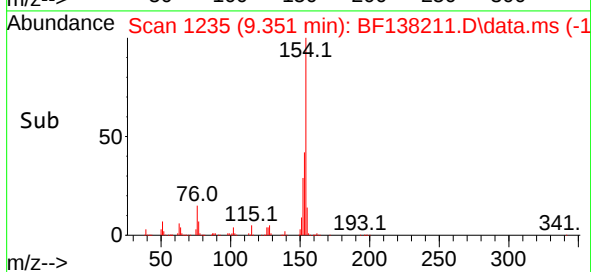
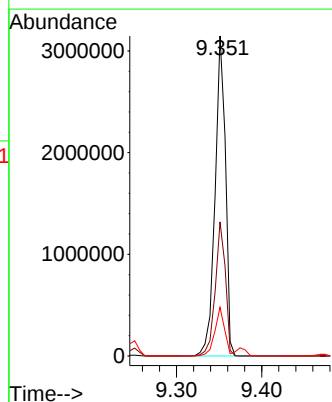
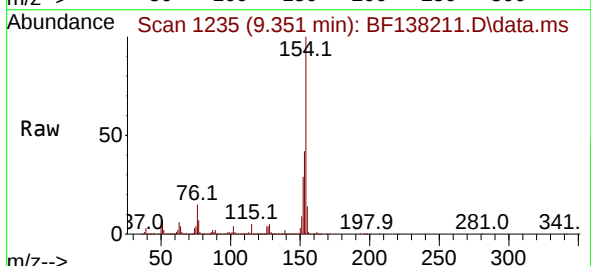
APPROVED

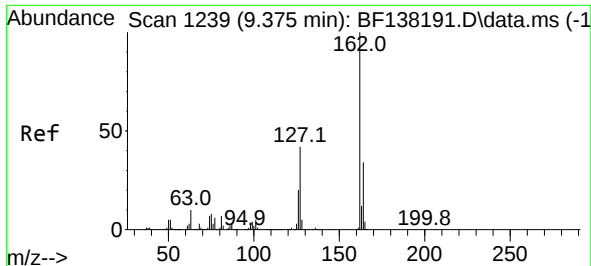
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#46
1,1'-Biphenyl
Concen: 40.834 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:154 Resp: 2674695
Ion Ratio Lower Upper
154 100
153 41.9 22.1 62.1
76 15.2 0.0 34.3





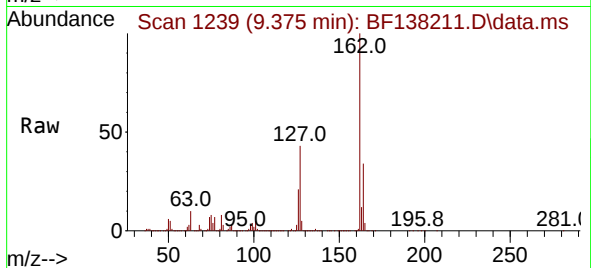
#47
2-Chloronaphthalene
Concen: 42.113 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

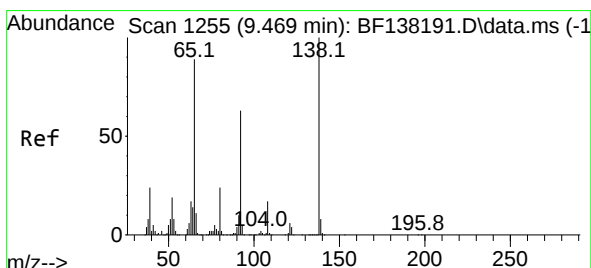
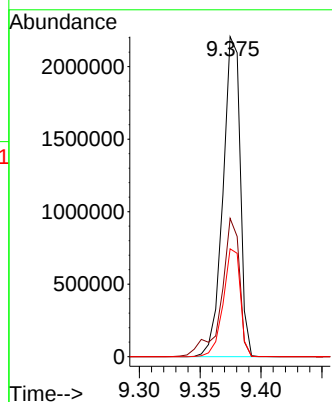
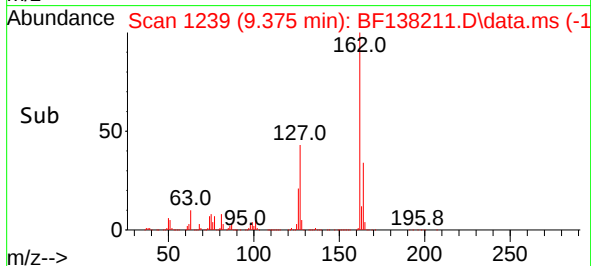


Tgt Ion:162 Resp: 218003
Ion Ratio Lower Upper
162 100
127 43.2 33.6 50.4
164 33.7 27.2 40.8

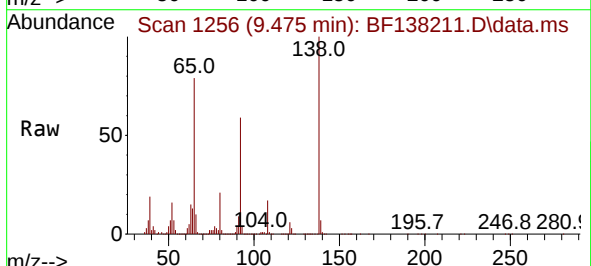
Manual Integrations

APPROVED

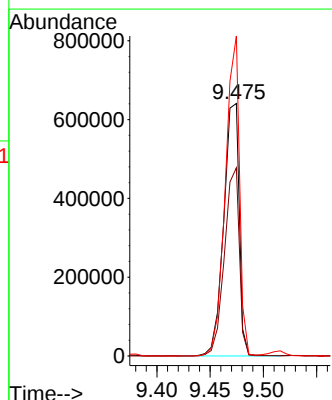
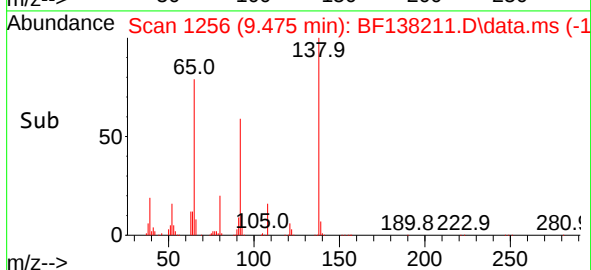
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

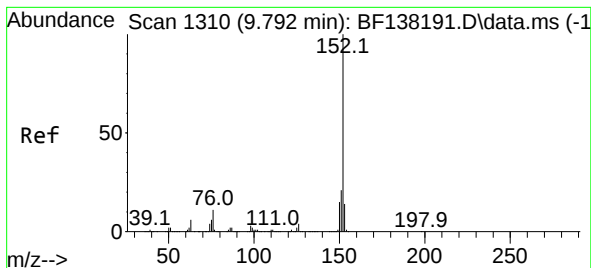


#48
2-Nitroaniline
Concen: 51.680 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion: 65 Resp: 644287
Ion Ratio Lower Upper
65 100
92 74.5 56.6 85.0
138 126.8 90.1 135.1





#49

Acenaphthylene

Concen: 45.572 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:152 Resp: 330804

Ion Ratio Lower Upper

152 100

151 21.8 16.9 25.3

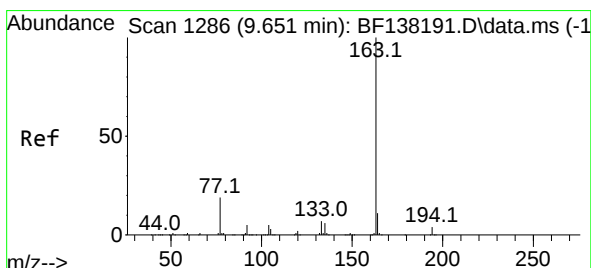
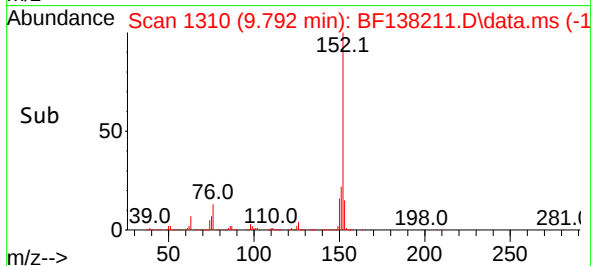
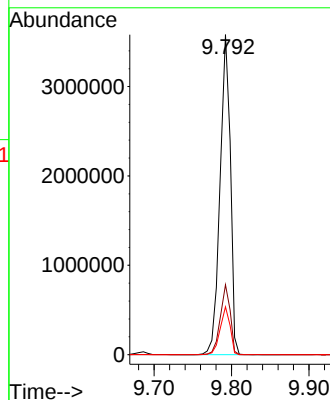
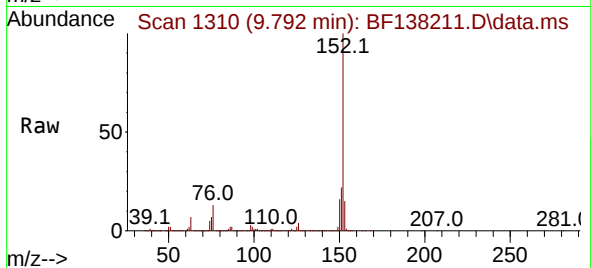
153 14.9 11.4 17.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#50

Dimethylphthalate

Concen: 45.608 ng

RT: 9.657 min Scan# 1287

Delta R.T. 0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

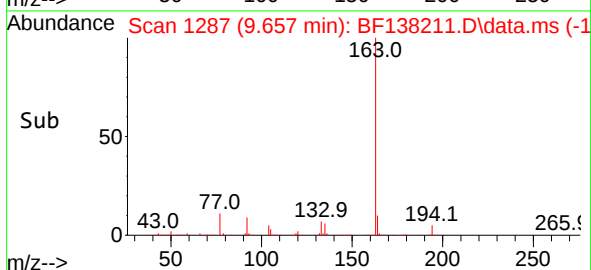
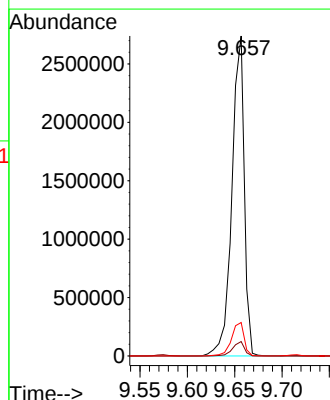
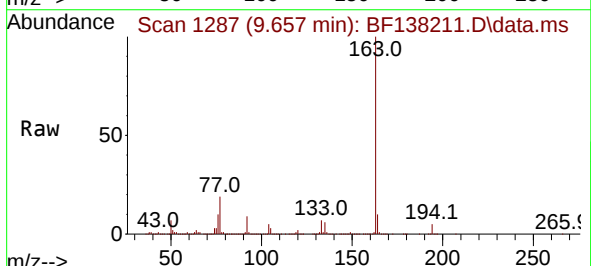
Tgt Ion:163 Resp: 2494473

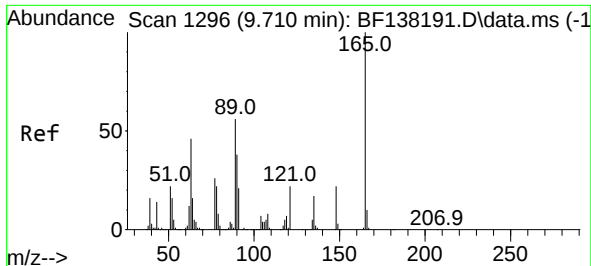
Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 10.5 8.5 12.7





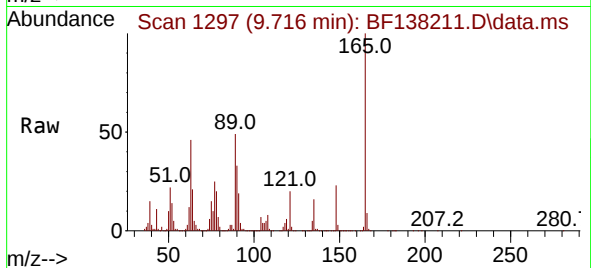
#51
2,6-Dinitrotoluene
Concen: 49.025 ng
RT: 9.716 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

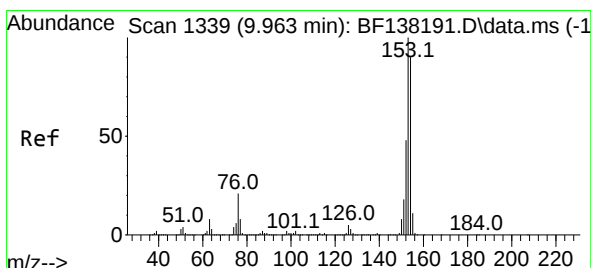
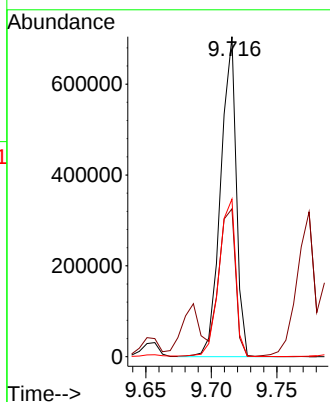
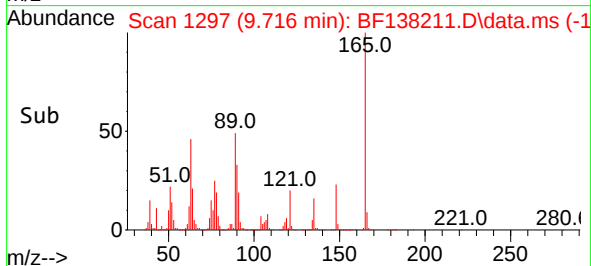


Tgt Ion:165 Resp: 581694
Ion Ratio Lower Upper
165 100
63 46.2 43.7 65.5
89 49.2 44.9 67.3

Manual Integrations

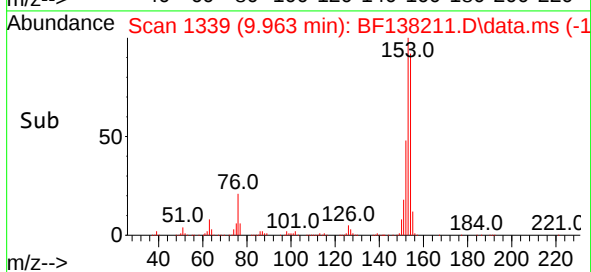
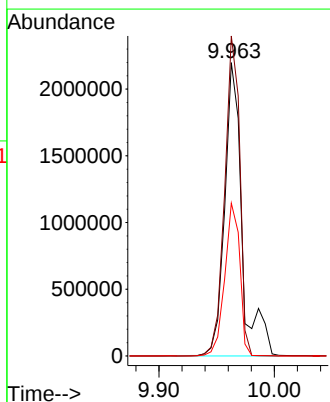
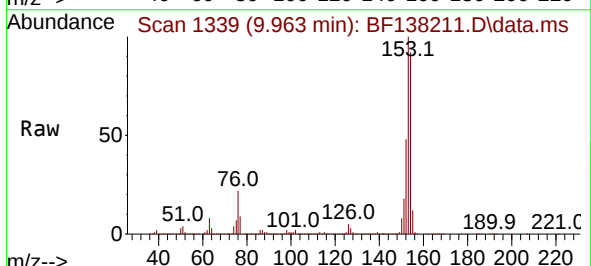
APPROVED

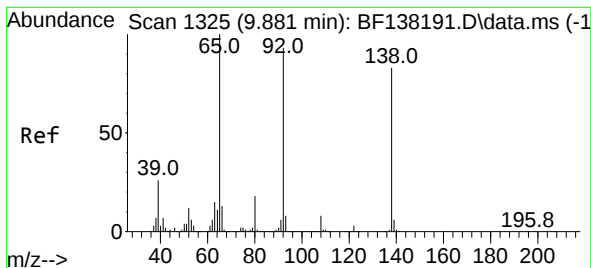
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#52
Acenaphthene
Concen: 46.295 ng m
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:154 Resp: 2291543
Ion Ratio Lower Upper
154 100
153 109.1 89.1 133.7
152 52.1 42.4 63.6





#53
3-Nitroaniline
Concen: 33.992 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

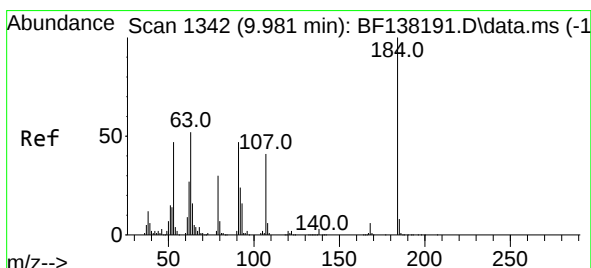
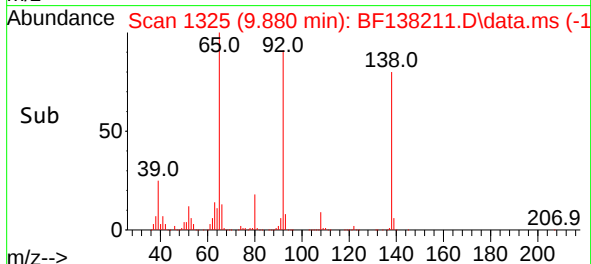
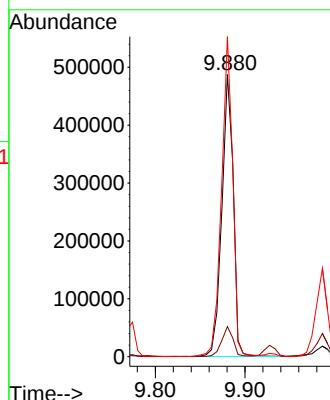
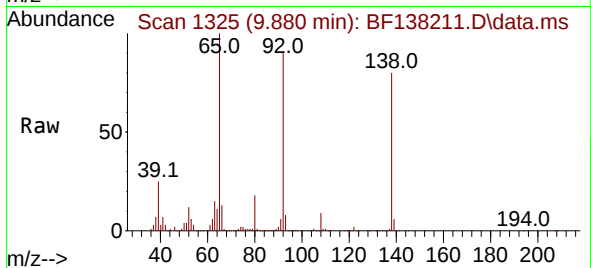
Soil/Gravel-SPMS

Tgt Ion:138 Resp: 430862
Ion Ratio Lower Upper
138 100
108 10.7 8.2 12.2
92 113.5 90.0 135.0

Manual Integrations

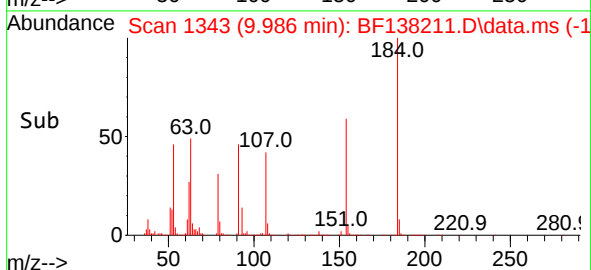
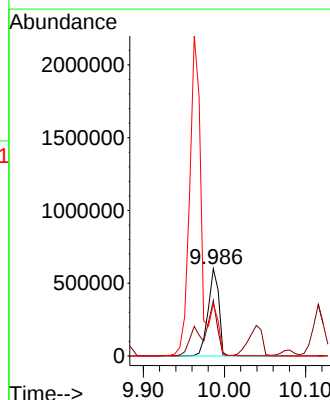
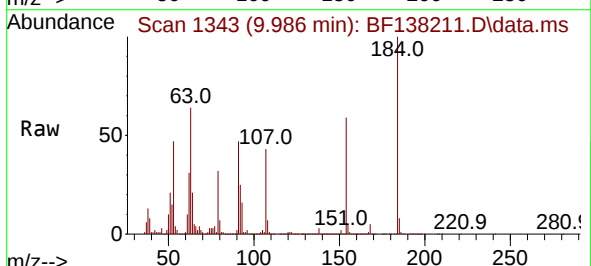
APPROVED

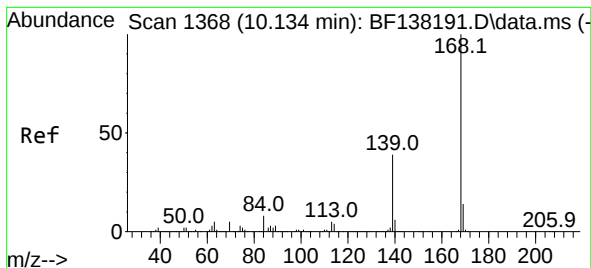
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#54
2,4-Dinitrophenol
Concen: 88.070 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

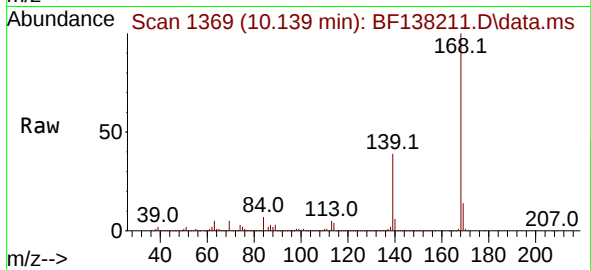
Tgt Ion:184 Resp: 551610
Ion Ratio Lower Upper
184 100
63 63.5 49.2 73.8
154 59.4 46.7 70.1





#55
Dibenzenofuran
Concen: 43.144 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

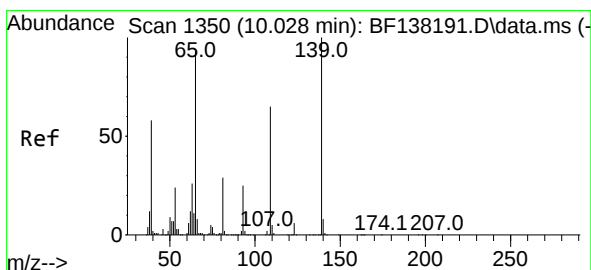
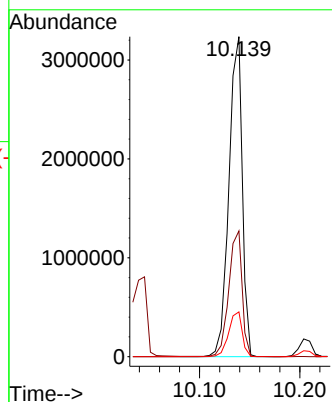
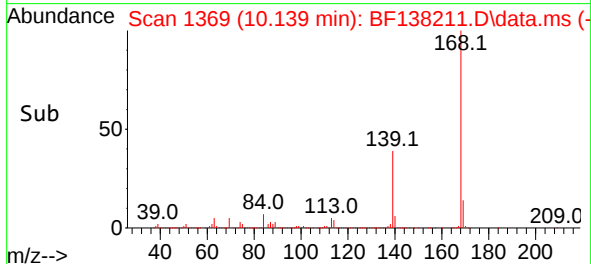
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:168 Resp: 298537
Ion Ratio Lower Upper
168 100
139 39.3 31.0 46.4
169 14.0 11.4 17.0

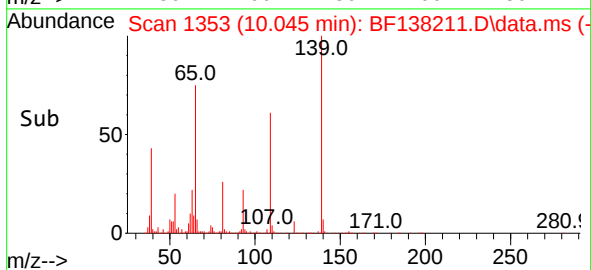
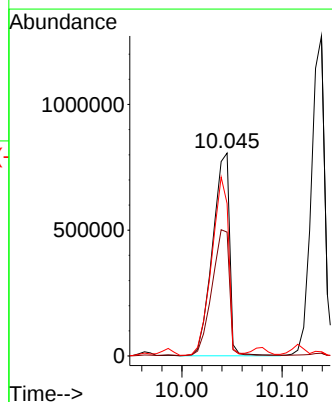
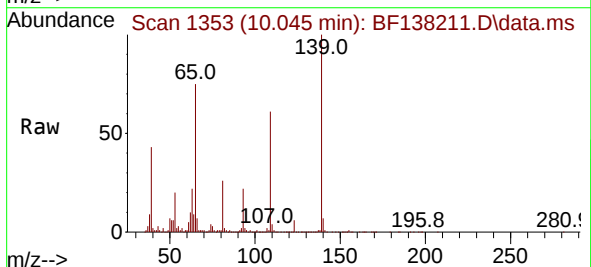
Manual Integrations
APPROVED

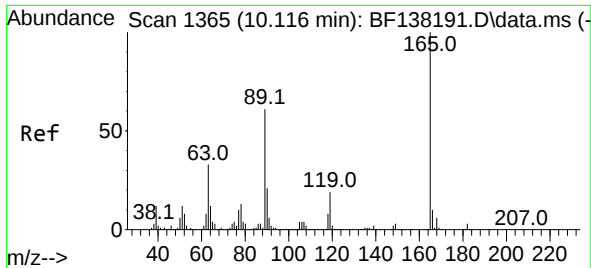
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#56
4-Nitrophenol
Concen: 94.958 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

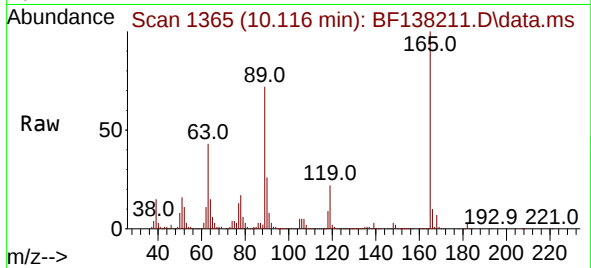
Tgt Ion:139 Resp: 951185
Ion Ratio Lower Upper
139 100
109 61.1 44.6 84.6
65 75.1 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 52.503 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

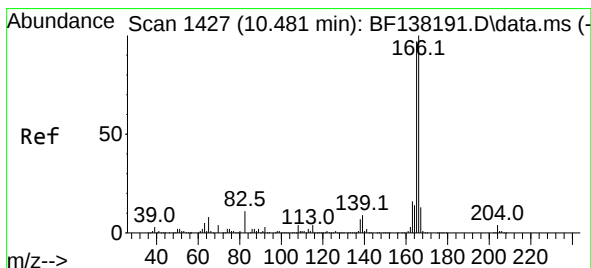
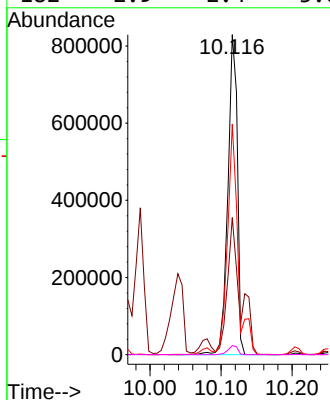
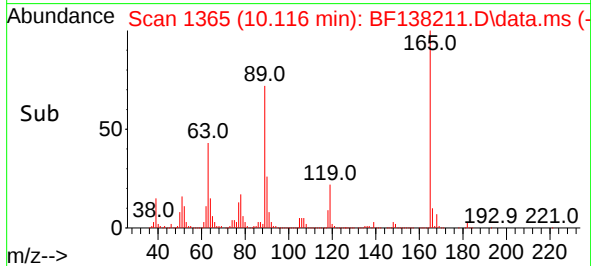
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:165 Resp: 768364
Ion Ratio Lower Upper
165 100
63 42.9 26.6 39.8
89 72.1 48.7 73.1
182 2.9 2.4 3.6

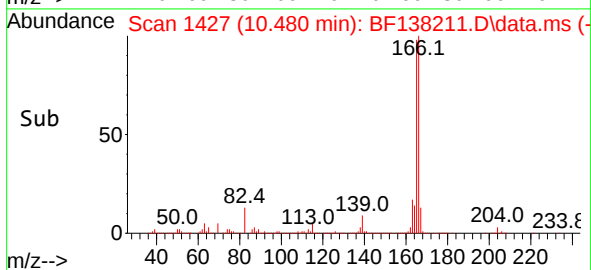
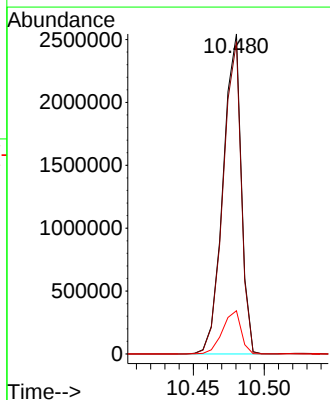
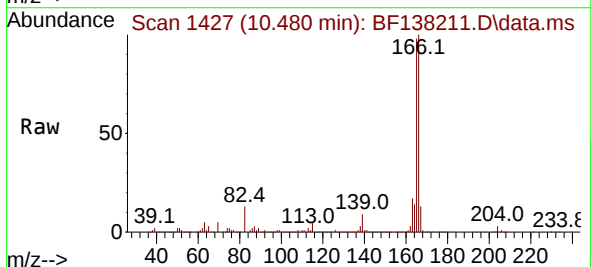
Manual Integrations
APPROVED

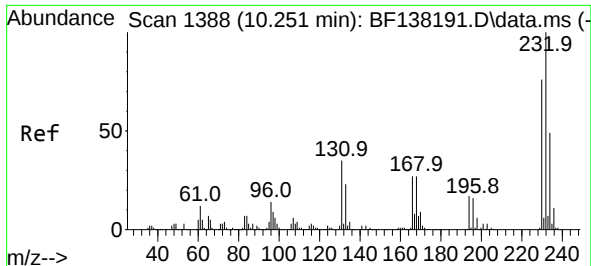
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#58
Fluorene
Concen: 41.554 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

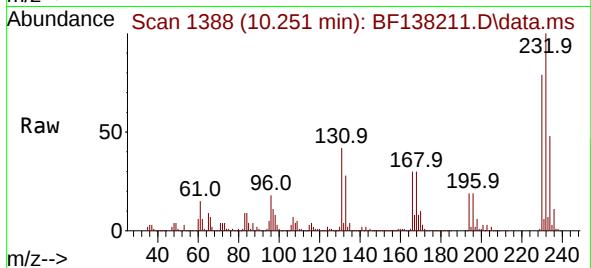
Tgt Ion:166 Resp: 2260757
Ion Ratio Lower Upper
166 100
165 97.6 77.9 116.9
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.781 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

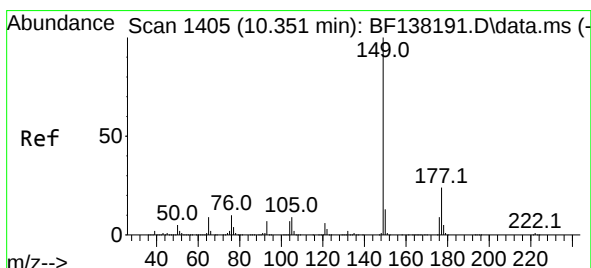
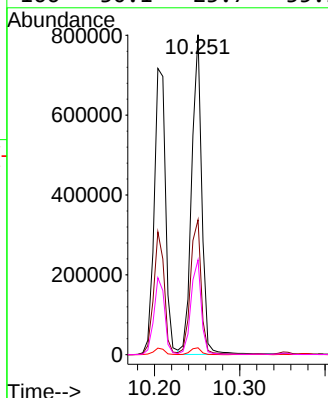
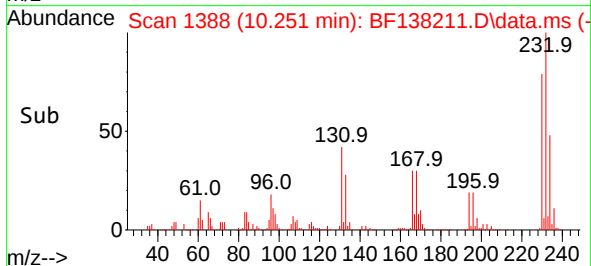
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



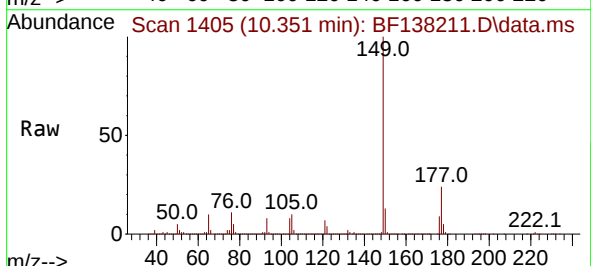
Tgt Ion:232 Resp: 655779
Ion Ratio Lower Upper
232 100
131 44.8 33.6 50.4
130 2.4 1.7 2.5
166 30.1 23.7 35.5

Manual Integrations
APPROVED

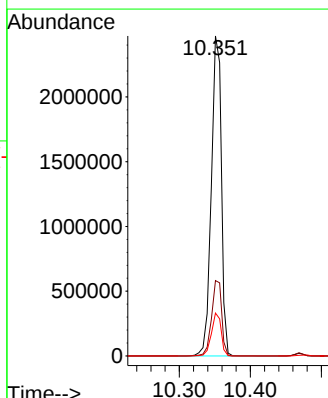
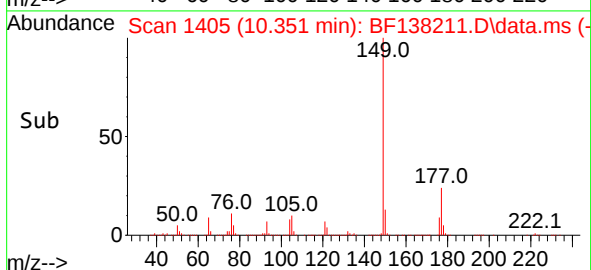
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

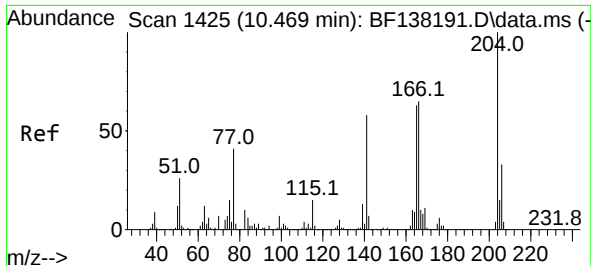


#60
Diethylphthalate
Concen: 46.934 ng
RT: 10.351 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



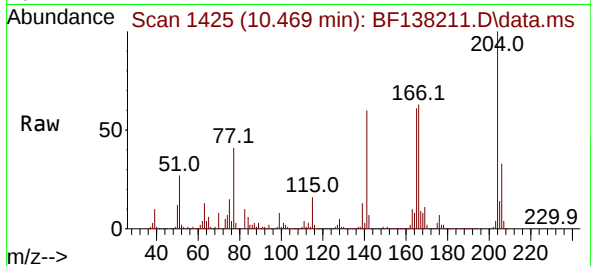
Tgt Ion:149 Resp: 2436318
Ion Ratio Lower Upper
149 100
177 23.6 19.4 29.0
150 13.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.325 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

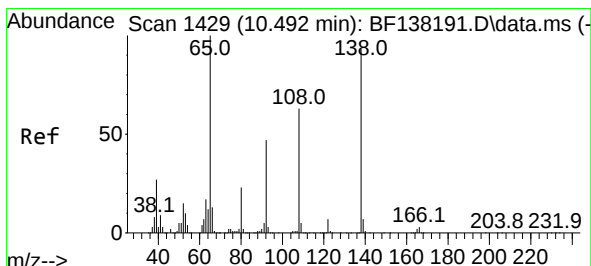
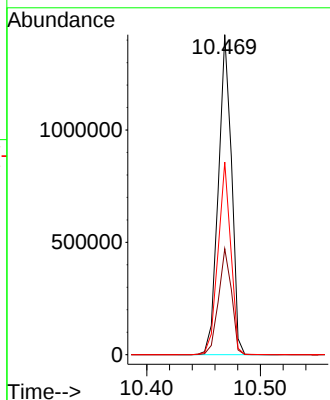
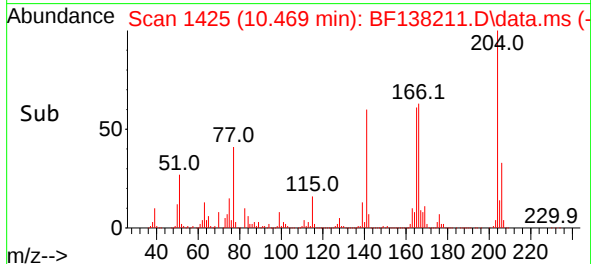
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:204 Resp: 1146819
Ion Ratio Lower Upper
204 100
206 33.1 26.6 39.8
141 60.2 46.3 69.5

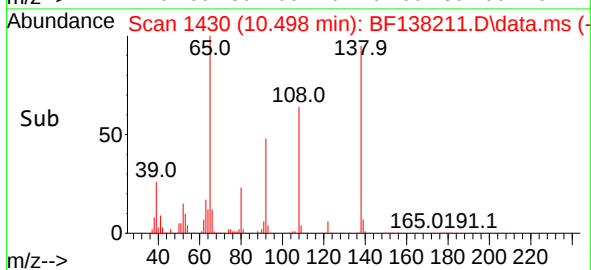
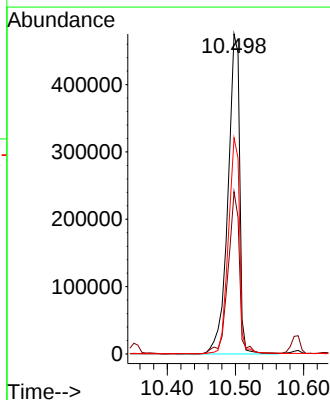
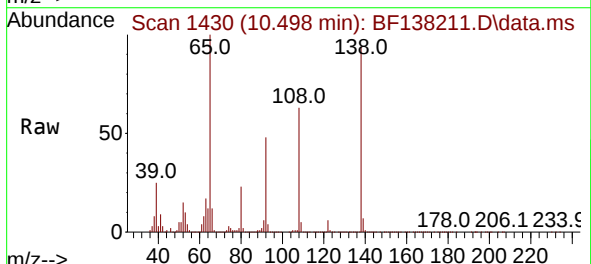
Manual Integrations
APPROVED

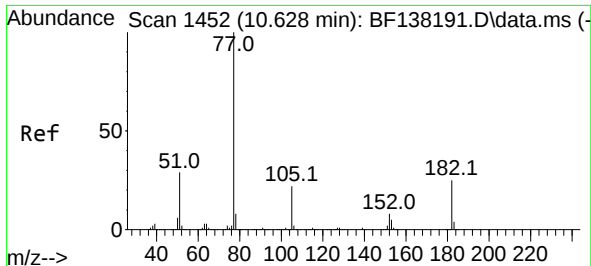
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#62
4-Nitroaniline
Concen: 44.902 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:138 Resp: 568671
Ion Ratio Lower Upper
138 100
92 50.7 30.9 70.9
108 67.6 47.8 87.8





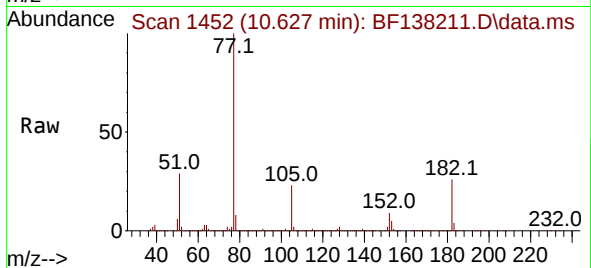
#63
Azobenzene
Concen: 46.548 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.001 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

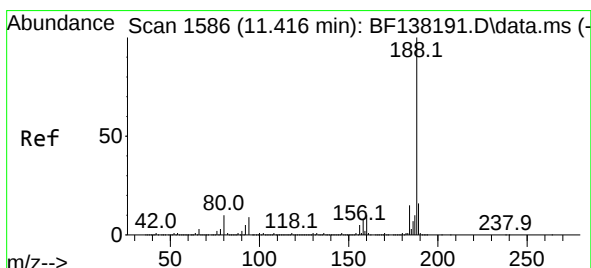
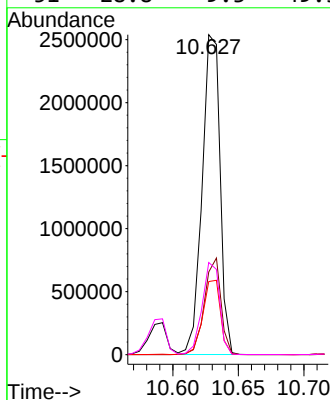
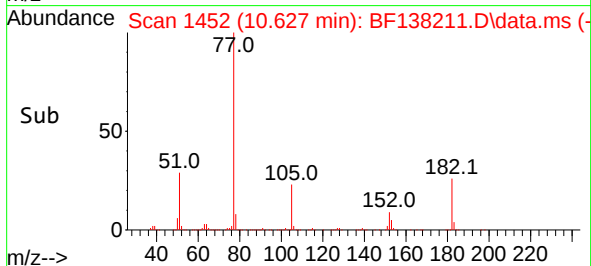


Tgt Ion: 77 Resp: 242071
Ion Ratio Lower Upper
77 100
182 25.9 5.5 45.5
105 22.8 1.8 41.8
51 28.8 9.3 49.3

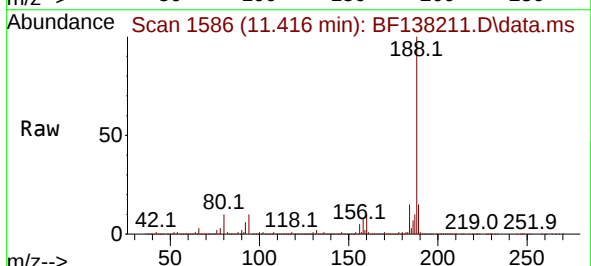
Manual Integrations

APPROVED

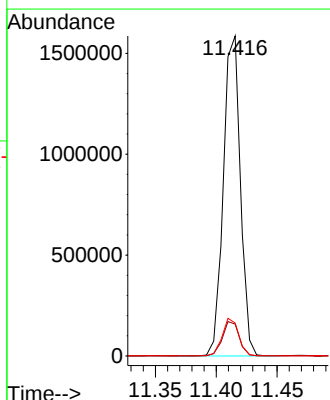
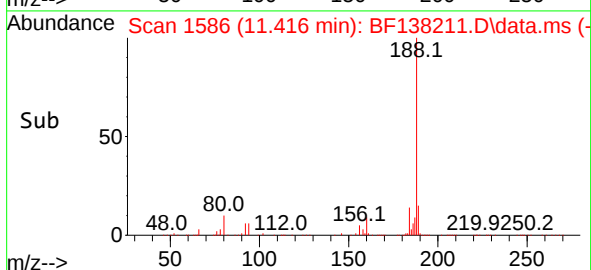
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

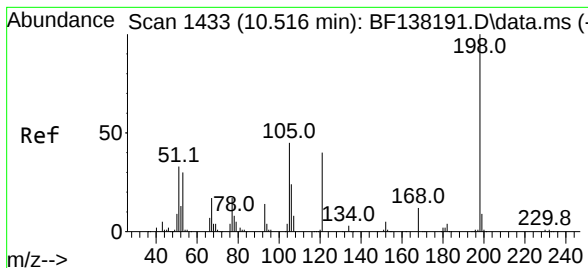


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion:188 Resp: 1547026
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 10.3 8.1 12.1





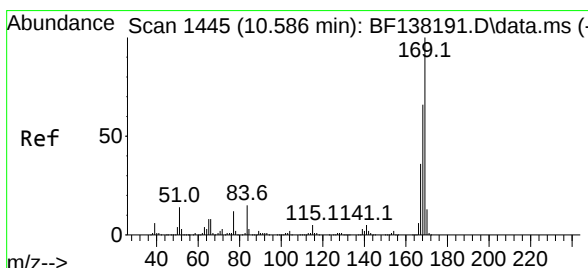
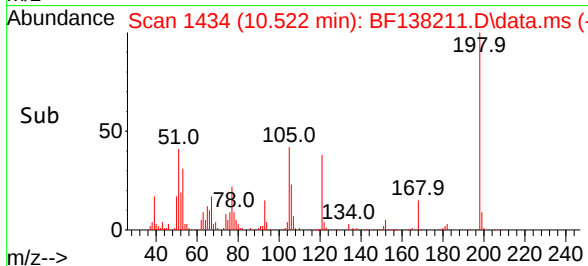
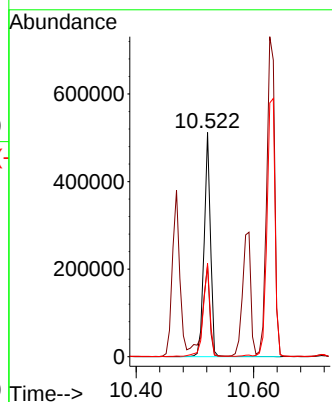
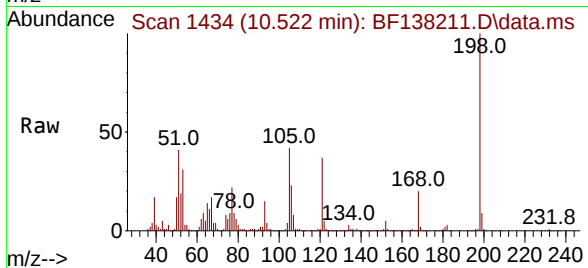
#65
4,6-Dinitro-2-methylphenol
Concen: 48.721 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.005 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS

Tgt Ion:198 Resp: 38502
Ion Ratio Lower Upper
198 100
51 40.5 26.9 66.9
105 41.6 26.0 66.0

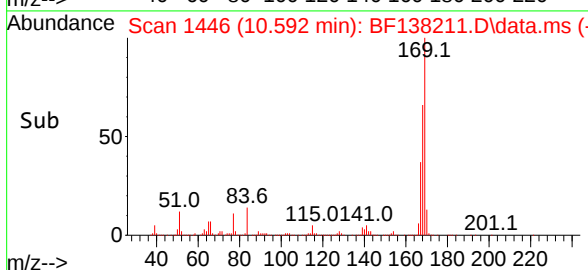
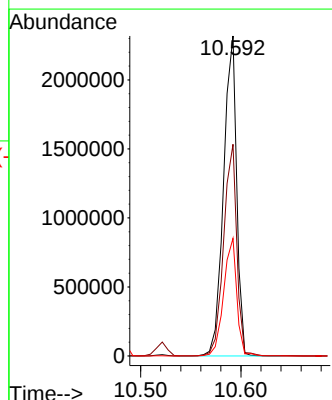
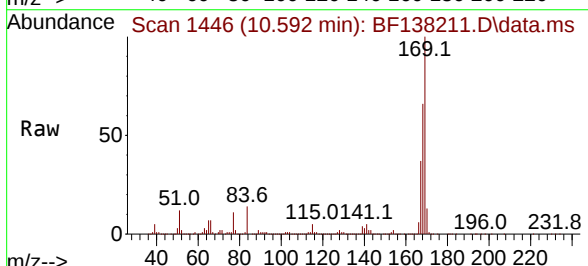
Manual Integrations
APPROVED

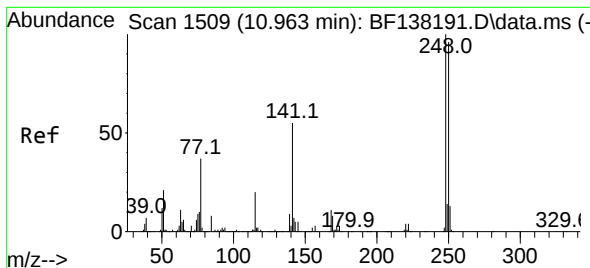
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#66
n-Nitrosodiphenylamine
Concen: 44.260 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

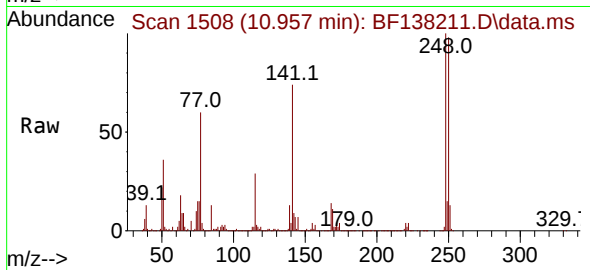
Tgt Ion:169 Resp: 2096253
Ion Ratio Lower Upper
169 100
168 66.1 52.9 79.3
167 36.8 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 44.095 ng
RT: 10.957 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

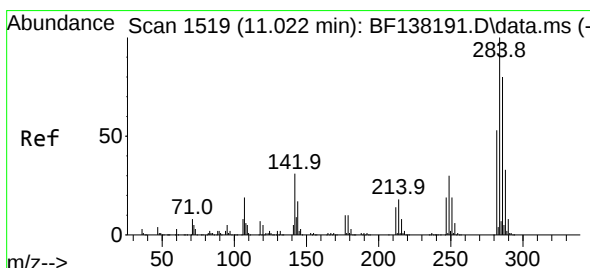
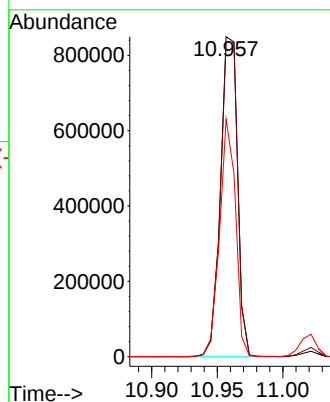
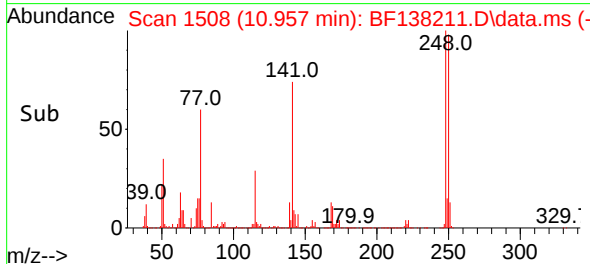
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:248 Resp: 76868
Ion Ratio Lower Upper
248 100
250 98.3 77.2 115.8
141 74.2 44.1 66.1

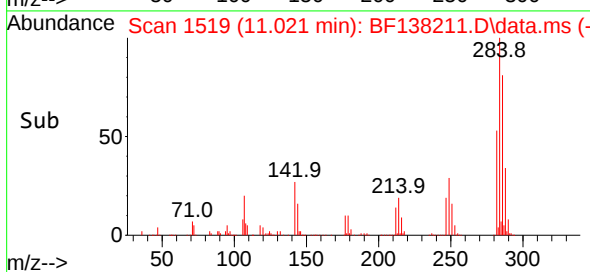
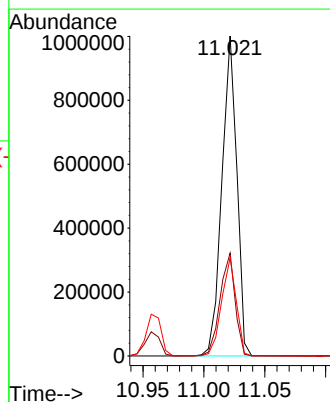
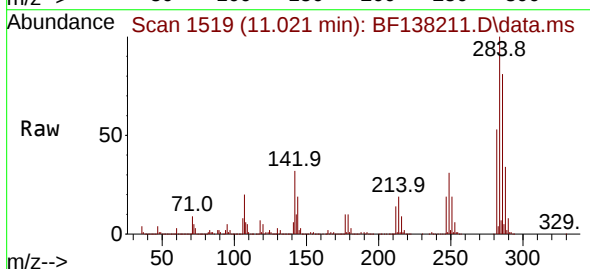
Manual Integrations
APPROVED

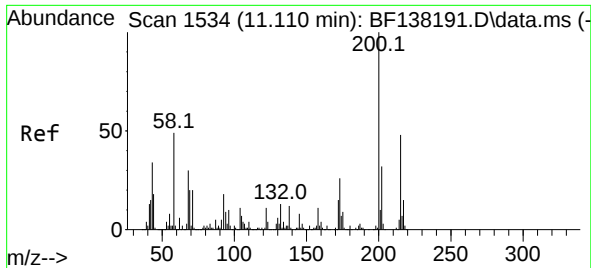
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#68
Hexachlorobenzene
Concen: 42.038 ng
RT: 11.021 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

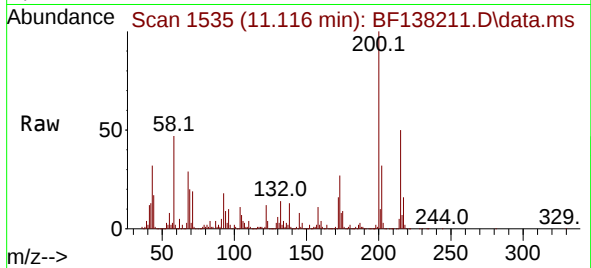
Tgt Ion:284 Resp: 855200
Ion Ratio Lower Upper
284 100
142 32.2 24.8 37.2
249 30.6 23.8 35.6





#69
Atrazine
Concen: 50.748 ng
RT: 11.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

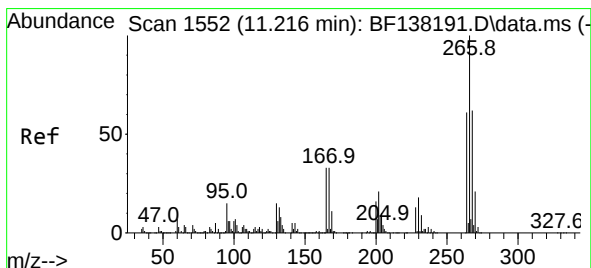
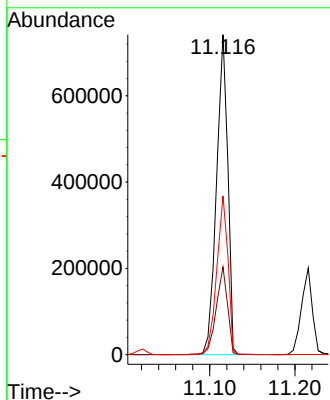
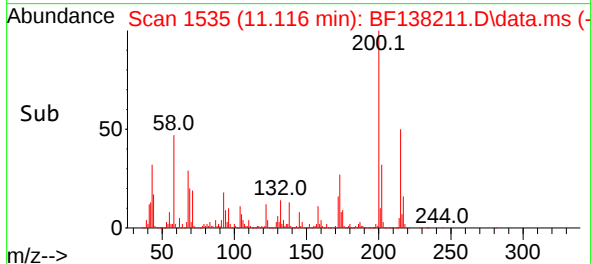
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



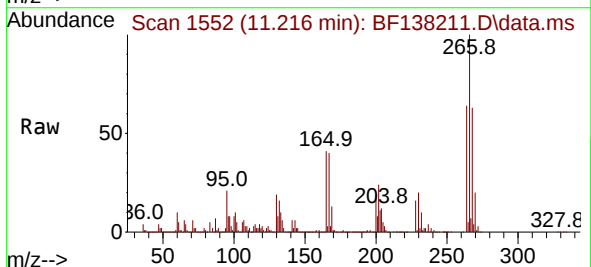
Tgt Ion:200 Resp: 68460
Ion Ratio Lower Upper
200 100
173 27.4 6.3 46.3
215 49.6 28.0 68.0

Manual Integrations
APPROVED

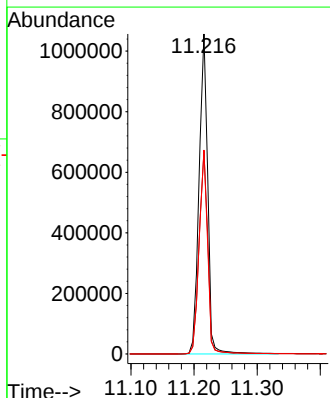
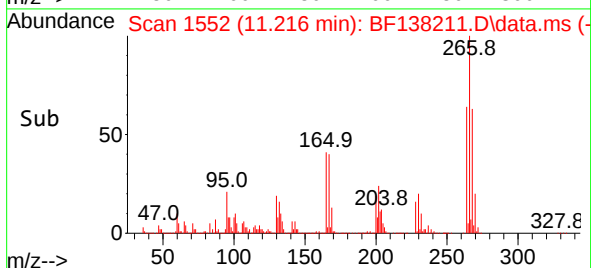
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

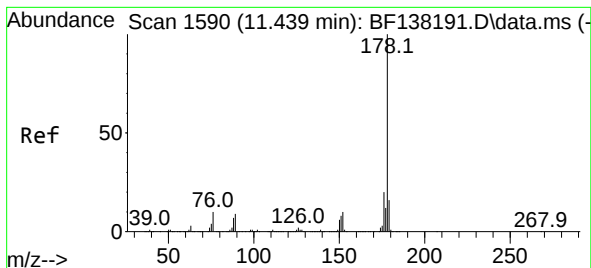


#70
Pentachlorophenol
Concen: 84.371 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



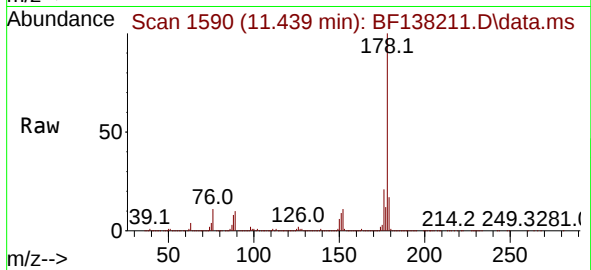
Tgt Ion:266 Resp: 1001017
Ion Ratio Lower Upper
266 100
268 63.4 49.5 74.3
264 63.7 49.2 73.8





#71
Phenanthrene
Concen: 42.888 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

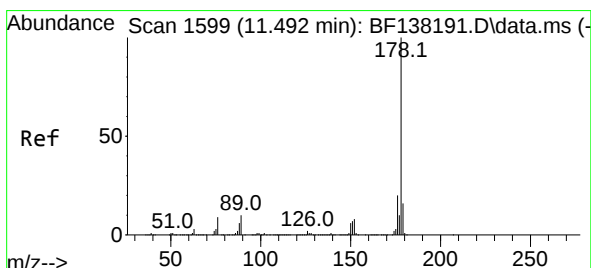
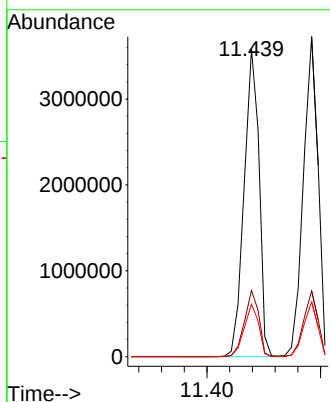
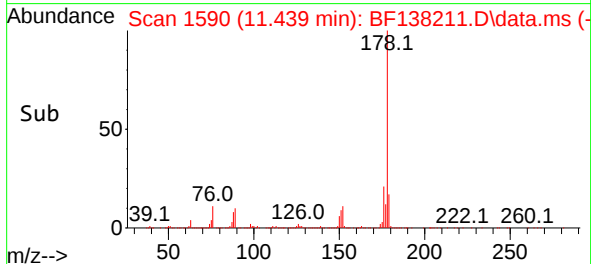
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:178 Resp: 3281220
Ion Ratio Lower Upper
178 100
176 21.5 16.4 24.6
179 17.1 13.1 19.7

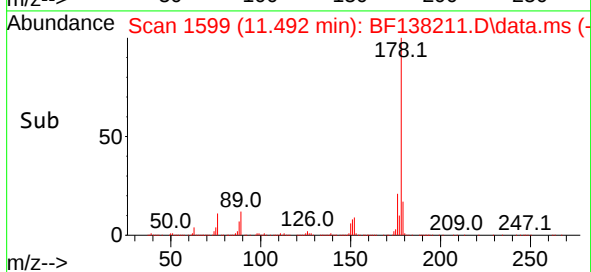
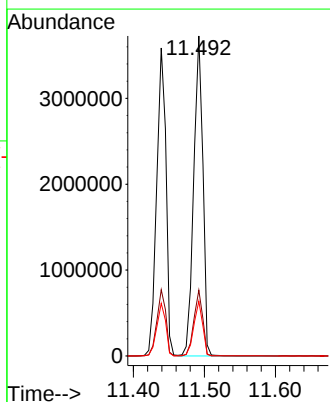
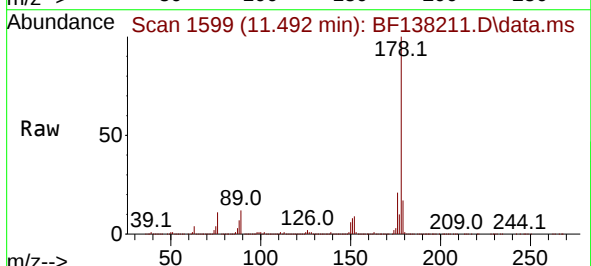
Manual Integrations
APPROVED

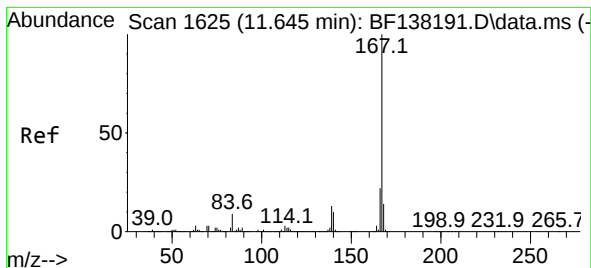
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#72
Anthracene
Concen: 44.158 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:178 Resp: 3354220
Ion Ratio Lower Upper
178 100
176 20.6 15.7 23.5
179 17.1 13.0 19.6





#73

Carbazole

Concen: 41.693 ng

RT: 11.645 min Scan# 1625

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:167 Resp: 2904698

Ion Ratio Lower Upper

167 100

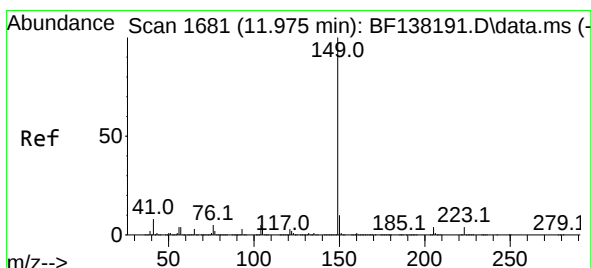
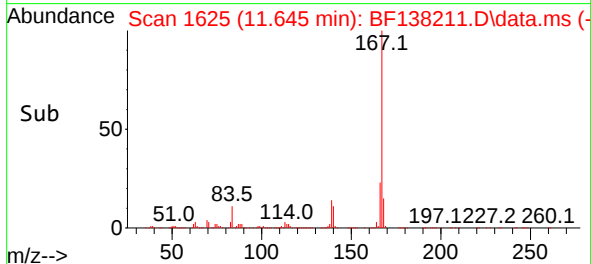
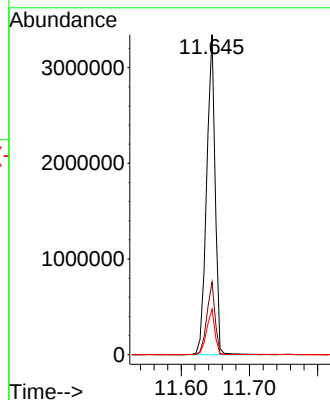
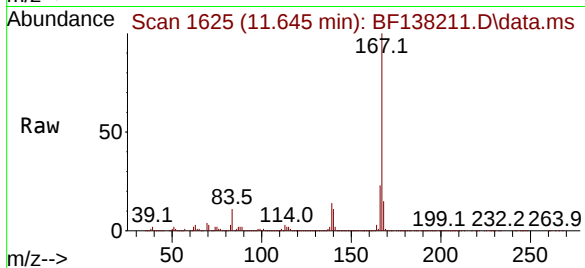
166 22.7 18.0 27.0

139 14.3 10.6 16.0

Manual Integrations

APPROVED

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



#74

Di-n-butylphthalate

Concen: 49.230 ng

RT: 11.974 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

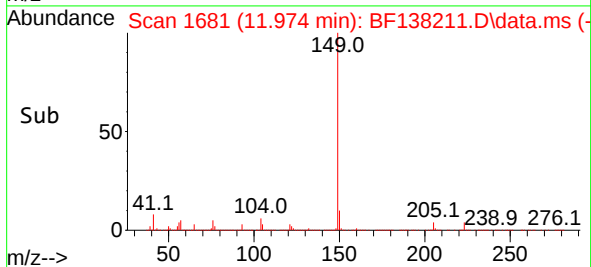
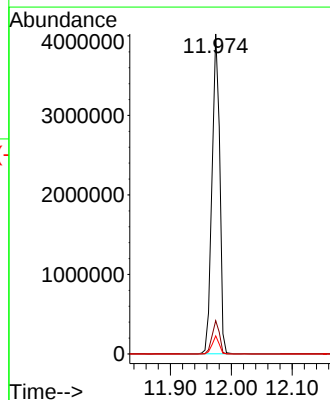
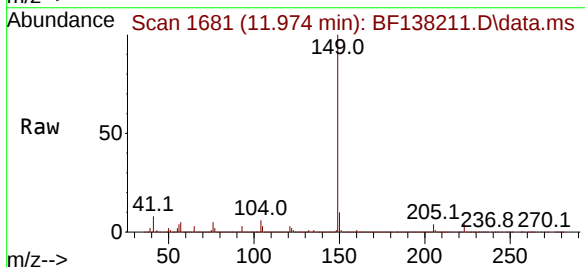
Tgt Ion:149 Resp: 3550726

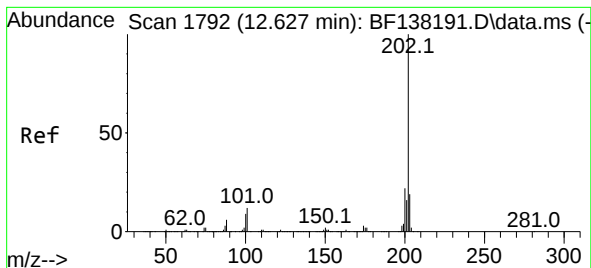
Ion Ratio Lower Upper

149 100

150 10.4 8.2 12.2

104 5.6 4.1 6.1





#75

Fluoranthene

Concen: 41.612 ng

RT: 12.627 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:202 Resp: 324636

Ion Ratio Lower Upper

202 100

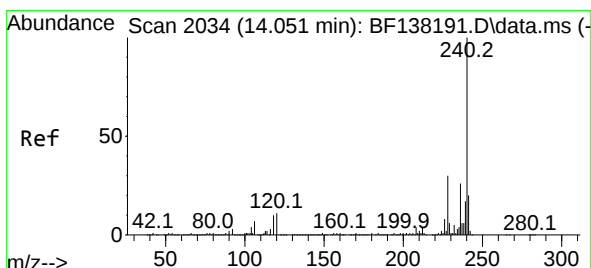
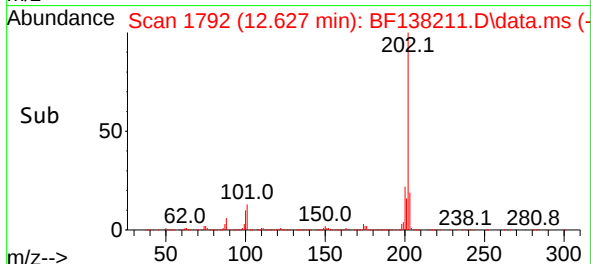
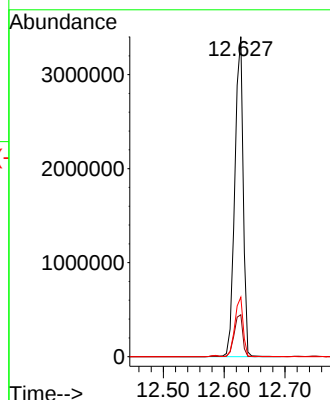
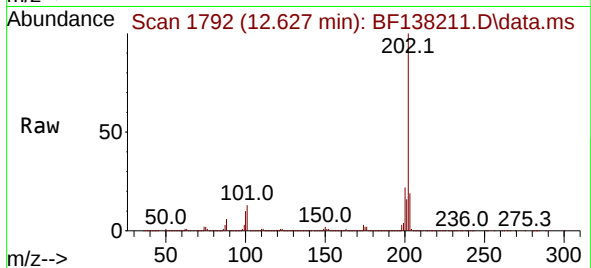
101 13.1 0.0 31.8

203 18.6 0.0 38.6

Manual Integrations

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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: BF138211.D

Acq: 17 Jun 2024 18:29

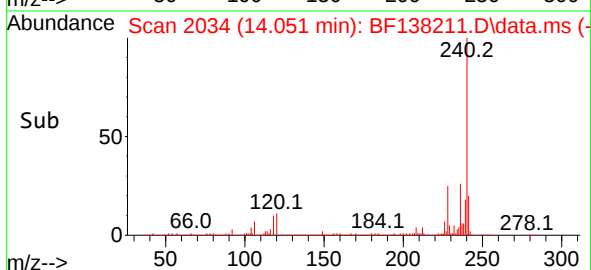
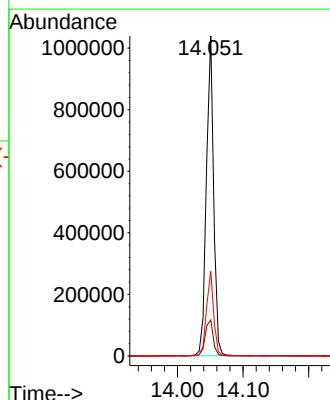
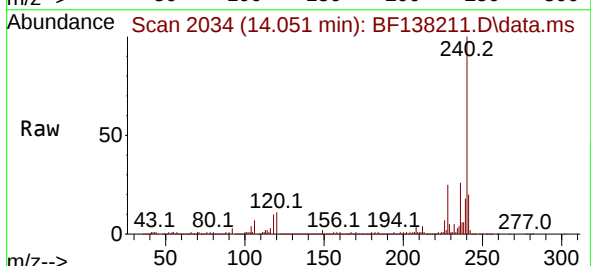
Tgt Ion:240 Resp: 802352

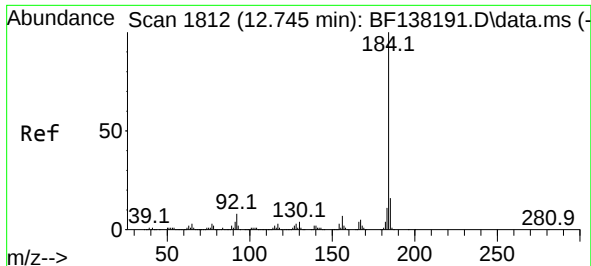
Ion Ratio Lower Upper

240 100

120 11.2 9.2 13.8

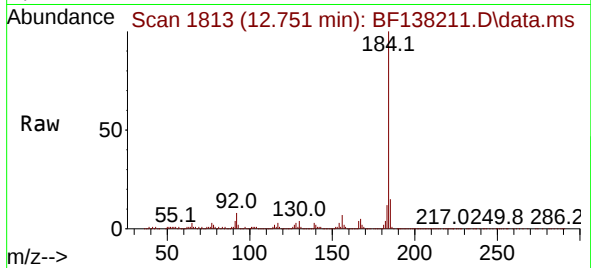
236 26.4 21.0 31.6





#77
Benzidine
Concen: 102.797 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

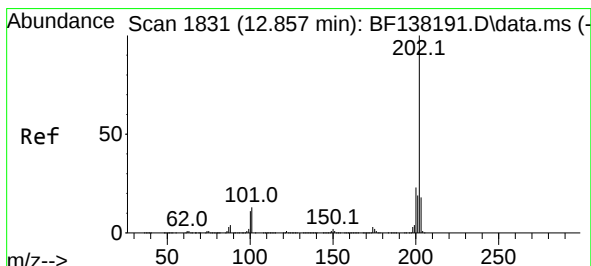
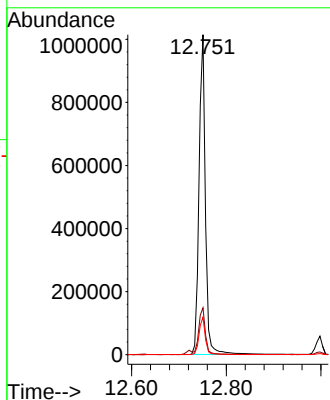
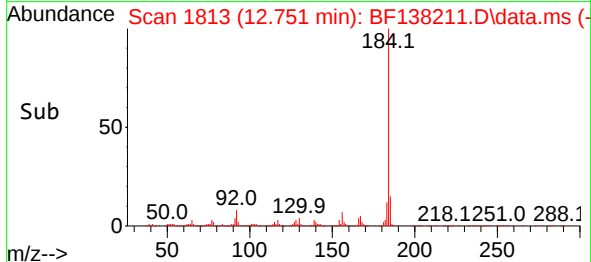
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



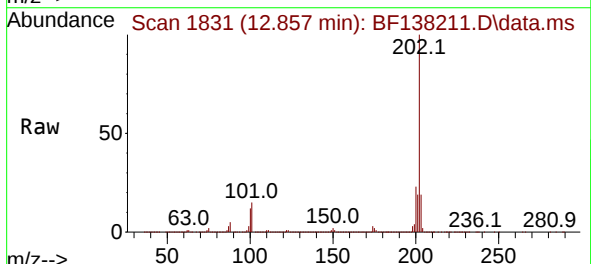
Tgt Ion:184 Resp: 954014
Ion Ratio Lower Upper
184 100
185 14.6 12.6 19.0
183 11.7 9.0 13.6

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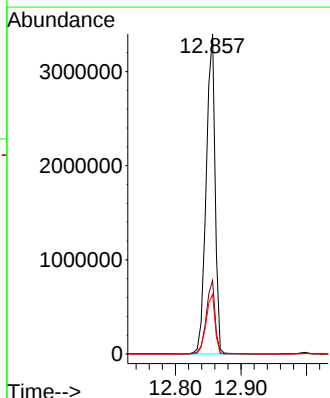
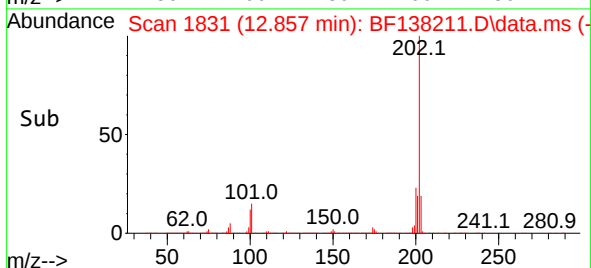
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

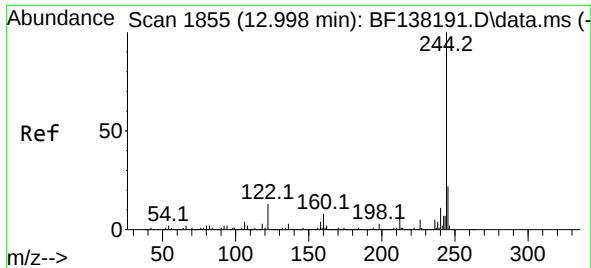


#78
Pyrene
Concen: 46.586 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



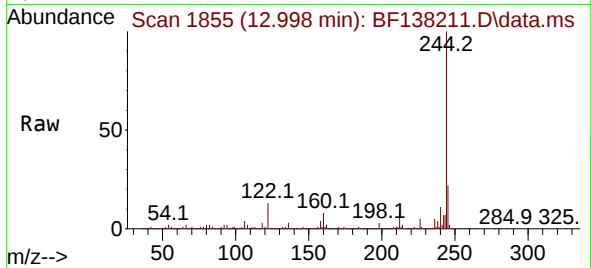
Tgt Ion:202 Resp: 3224091
Ion Ratio Lower Upper
202 100
200 23.0 18.0 27.0
203 18.7 14.7 22.1





#79
 Terphenyl-d14
 Concen: 75.631 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29

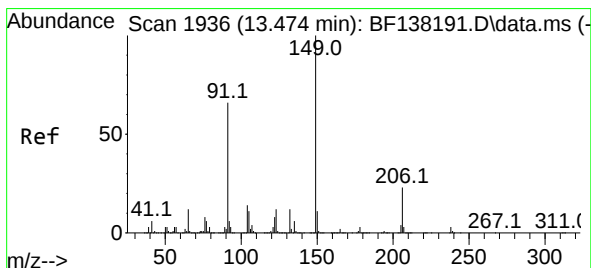
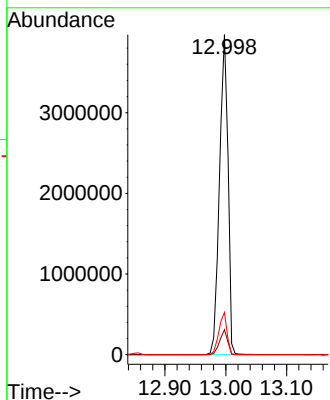
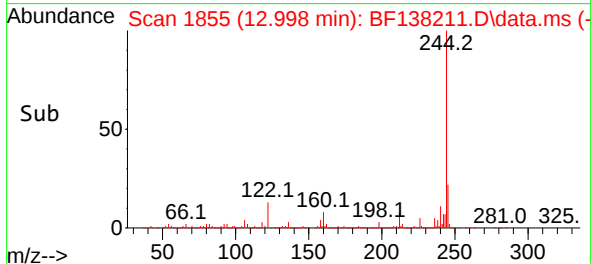
Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SPMS



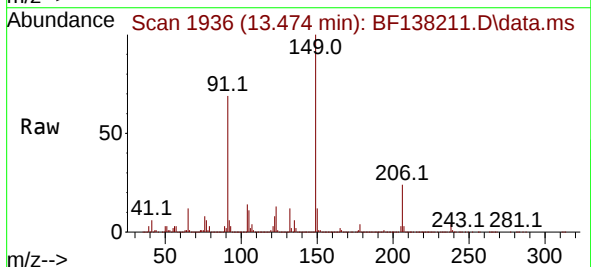
Tgt Ion:244 Resp: 383136
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 13.2 10.6 15.8

Manual Integrations
 APPROVED

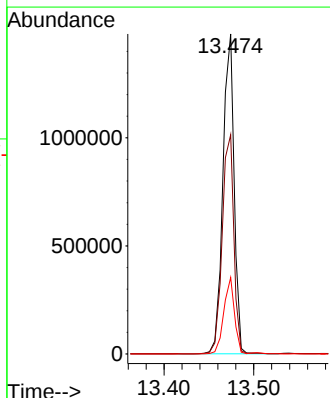
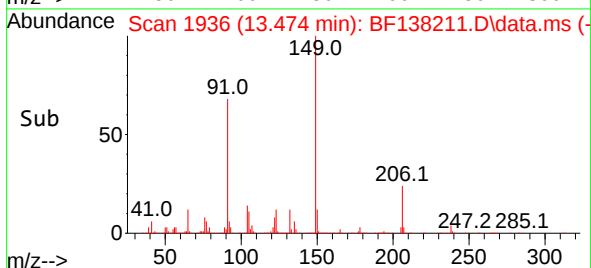
Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024

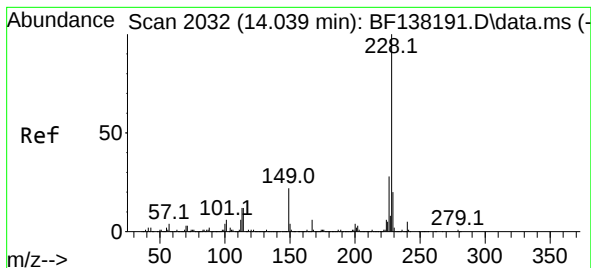


#80
 Butylbenzylphthalate
 Concen: 68.317 ng
 RT: 13.474 min Scan# 1936
 Delta R.T. -0.000 min
 Lab File: BF138211.D
 Acq: 17 Jun 2024 18:29



Tgt Ion:149 Resp: 1286063
 Ion Ratio Lower Upper
 149 100
 91 68.5 53.2 79.8
 206 23.9 18.6 27.8





#81

Benzo(a)anthracene

Concen: 46.298 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:228 Resp: 2383179

Ion Ratio Lower Upper

228 100

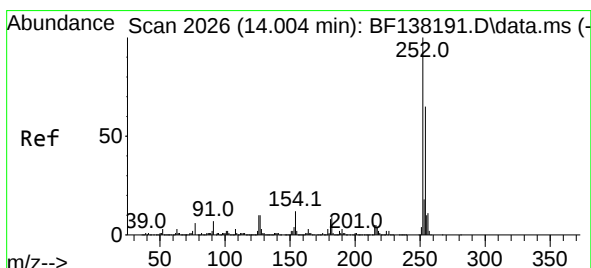
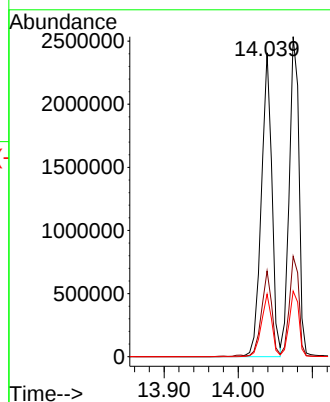
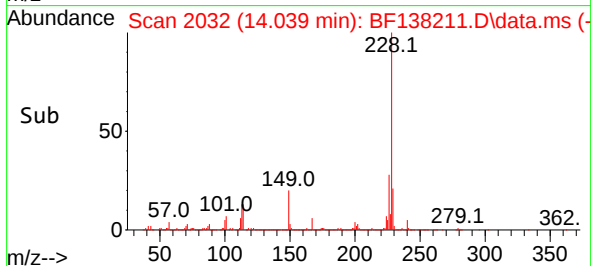
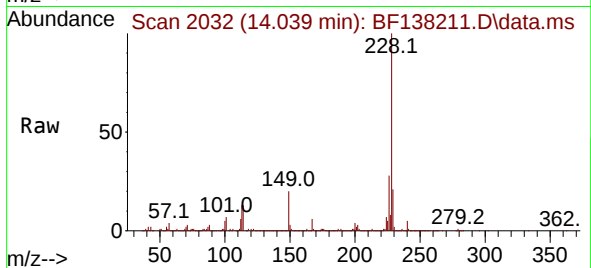
226 28.2 22.5 33.7

229 20.6 16.3 24.5

Manual Integrations

APPROVED

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



#82

3,3'-Dichlorobenzidine

Concen: 44.504 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

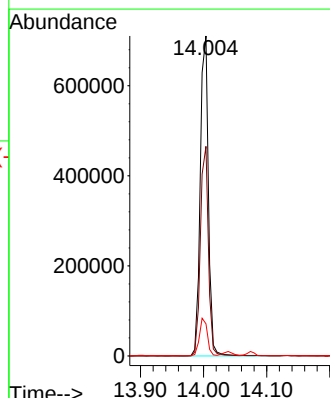
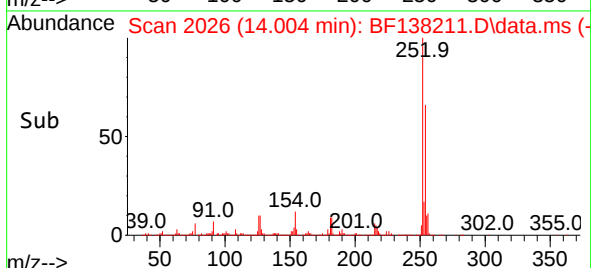
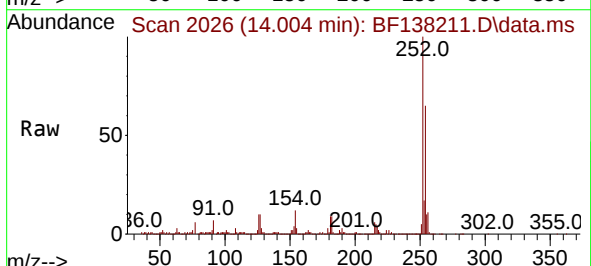
Tgt Ion:252 Resp: 630852

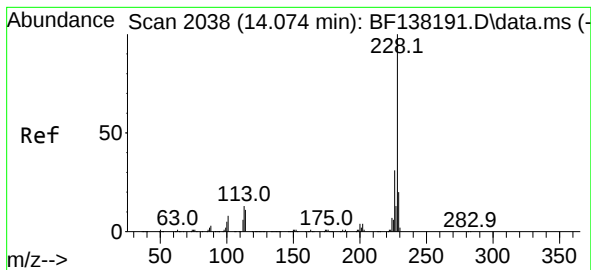
Ion Ratio Lower Upper

252 100

254 65.5 51.8 77.6

126 10.0 8.3 12.5





#83

Chrysene

Concen: 47.256 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:228 Resp: 231858

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

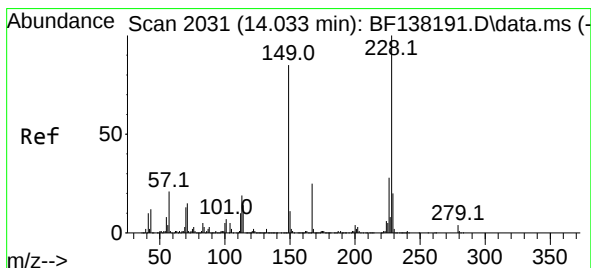
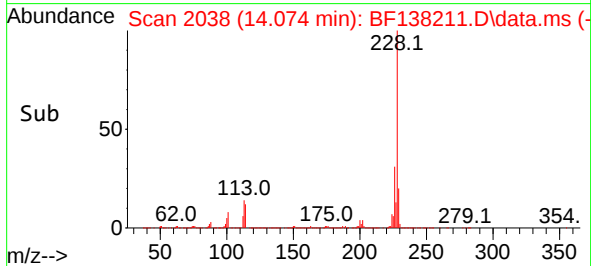
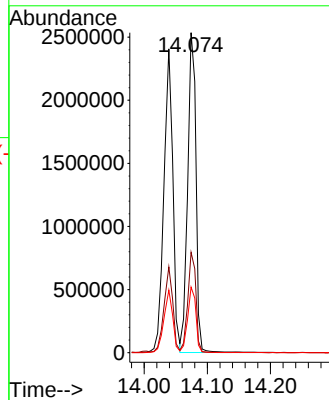
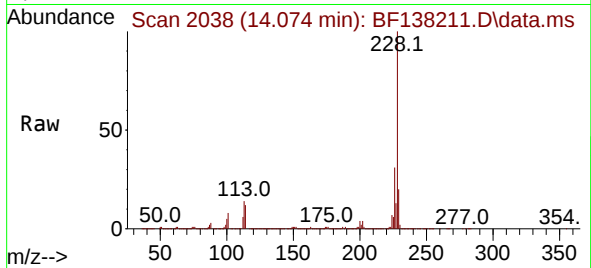
229 20.5 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 76.496 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

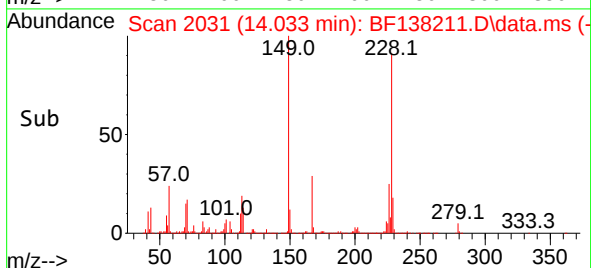
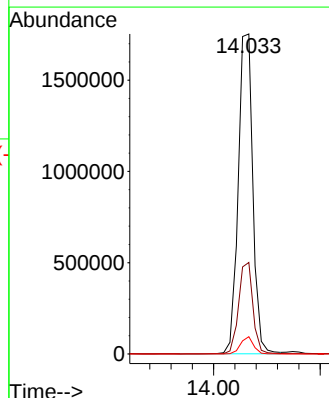
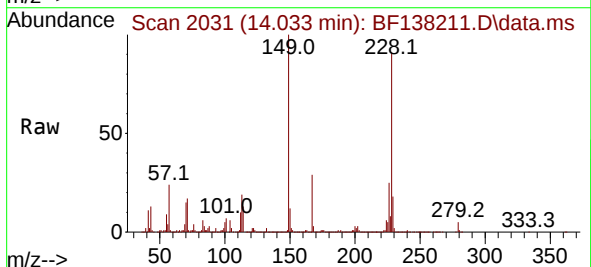
Tgt Ion:149 Resp: 1674852

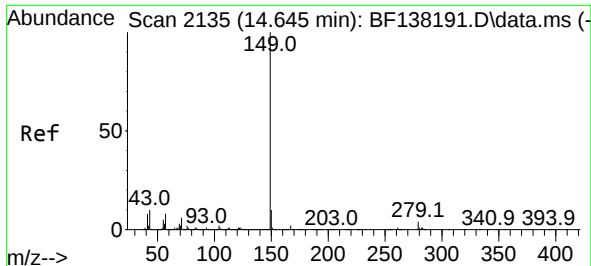
Ion Ratio Lower Upper

149 100

167 28.6 23.5 35.3

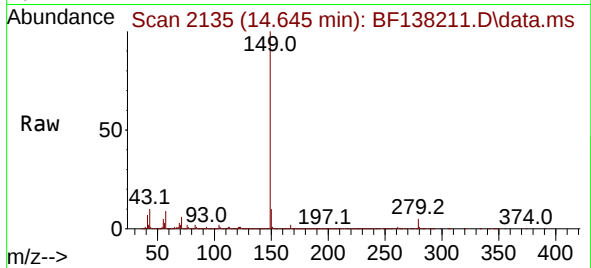
279 5.4 4.2 6.2





#85
Di-n-octyl phthalate
Concen: 76.312 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

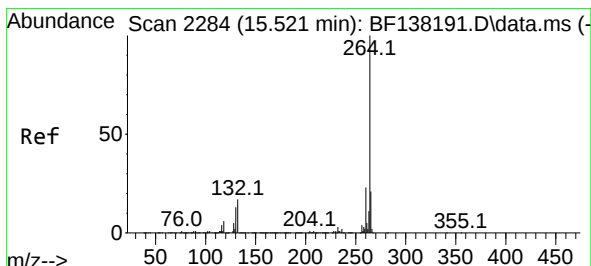
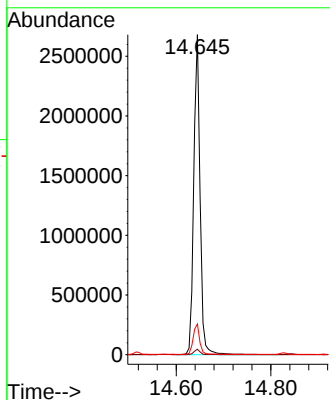
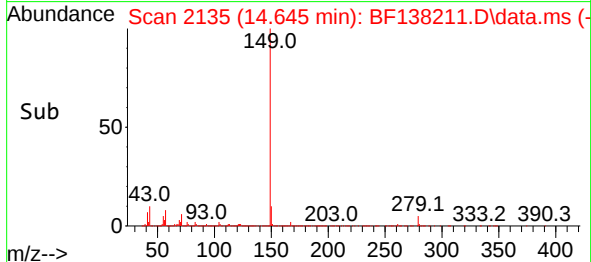
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



Tgt Ion:149 Resp: 2482189
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.8 7.8 11.6

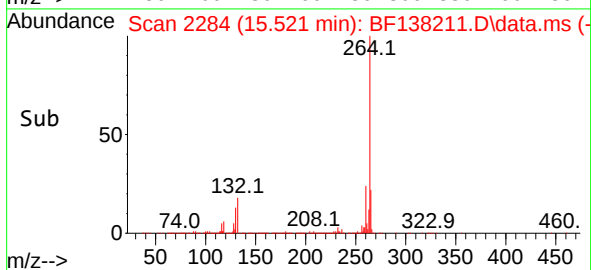
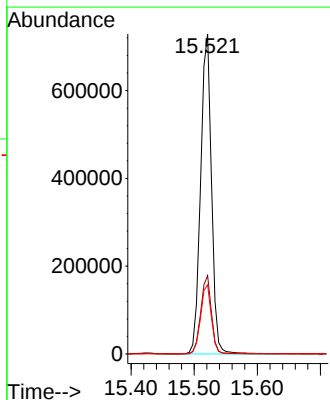
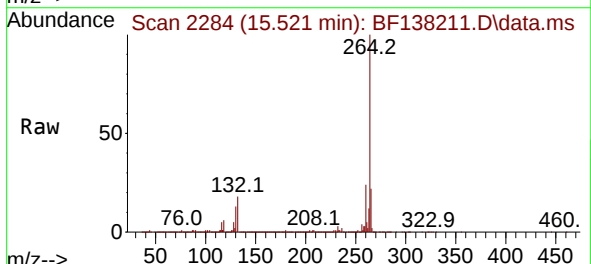
Manual Integrations
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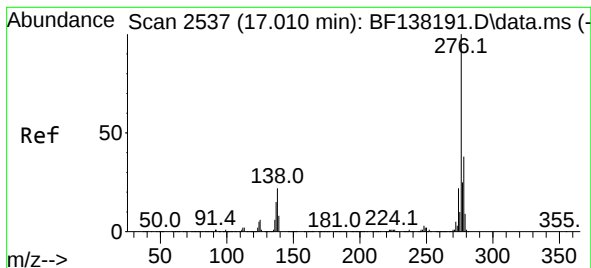
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

Tgt Ion:264 Resp: 872455
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.366 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:276 Resp: 2580230

Ion Ratio Lower Upper

276 100

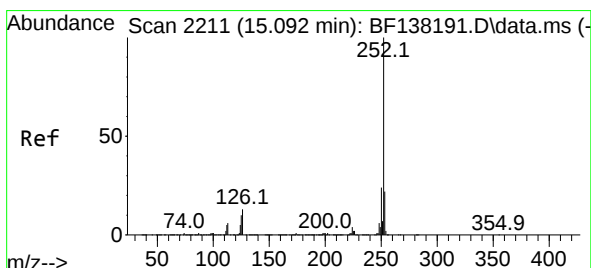
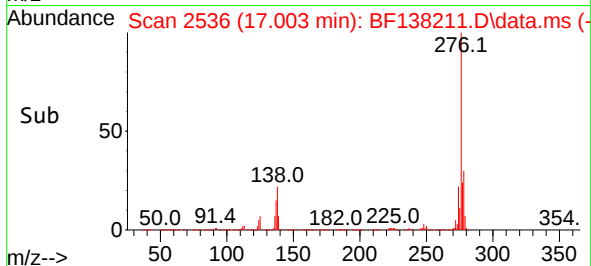
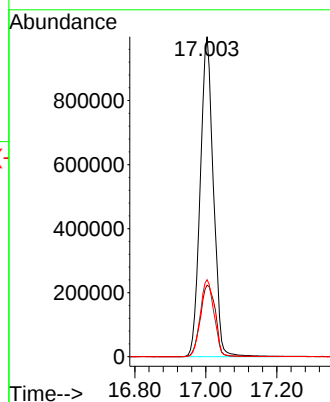
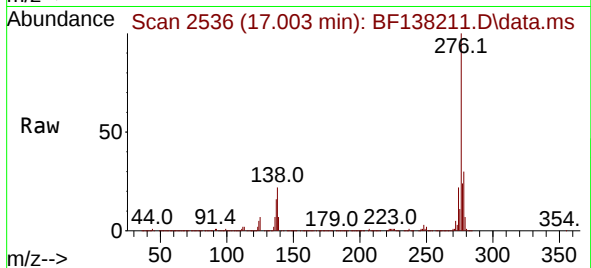
138 25.5 19.3 28.9

277 25.3 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: 45.503 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

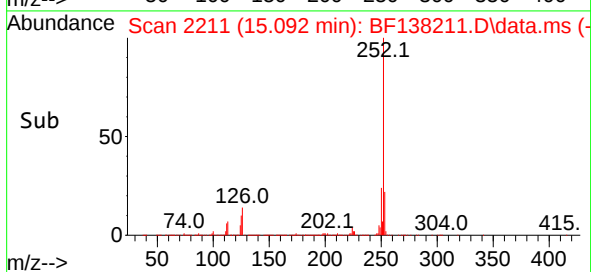
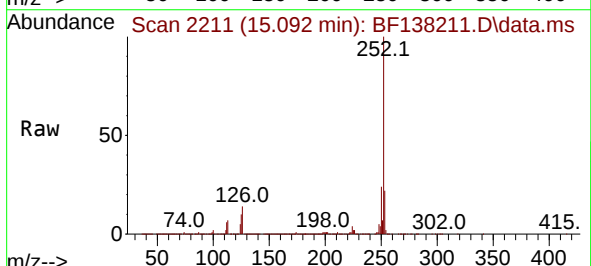
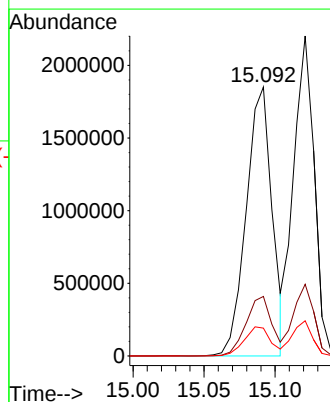
Tgt Ion:252 Resp: 2341140

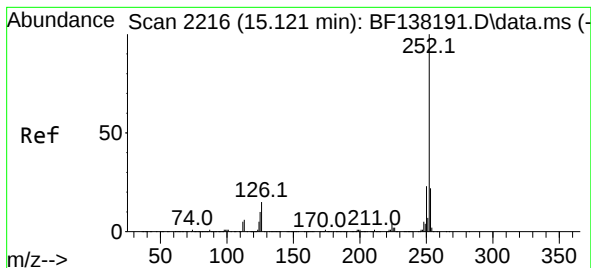
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.3 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 44.675 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SPMS

Tgt Ion:252 Resp: 2252598

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

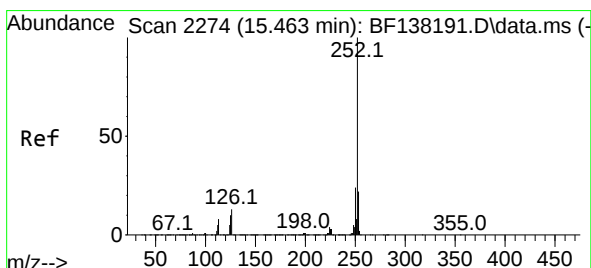
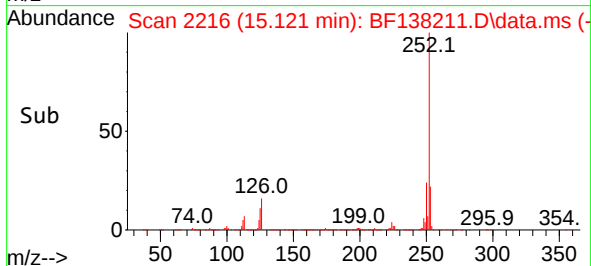
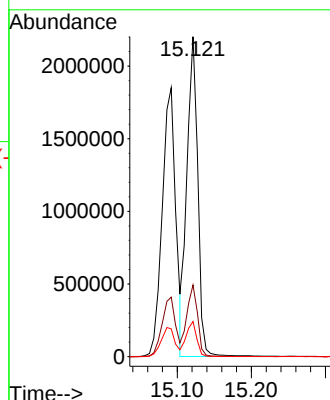
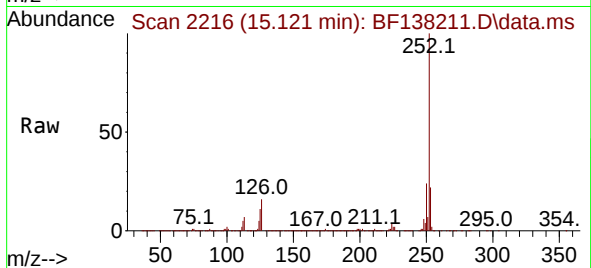
125 11.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#90

Benzo(a)pyrene

Concen: 48.995 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138211.D

Acq: 17 Jun 2024 18:29

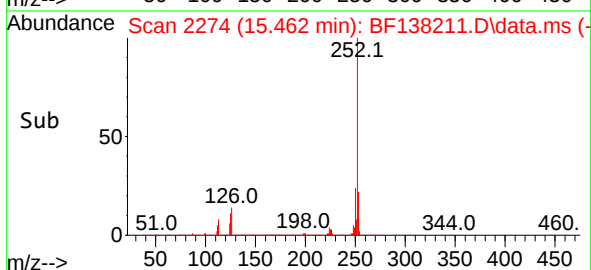
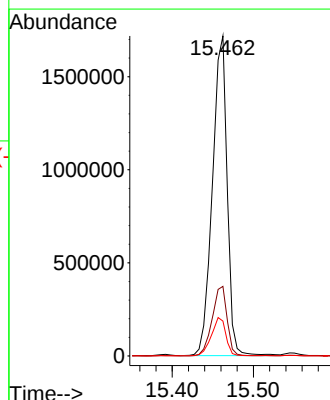
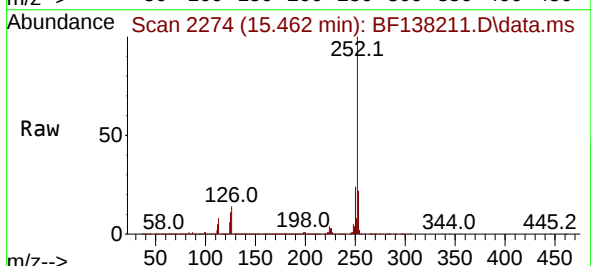
Tgt Ion:252 Resp: 2165600

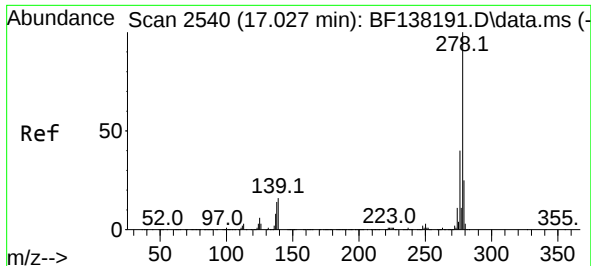
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

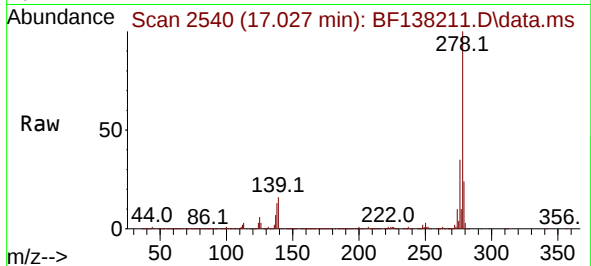
125 10.9 8.2 12.2





#91
Dibenzo(a,h)anthracene
Concen: 44.434 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29

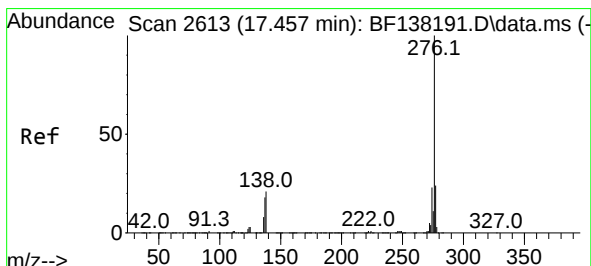
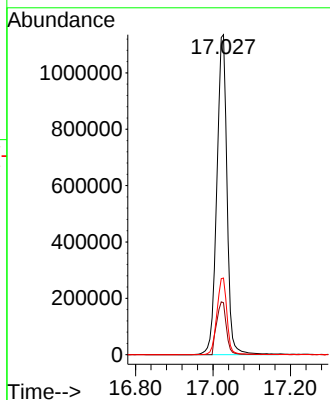
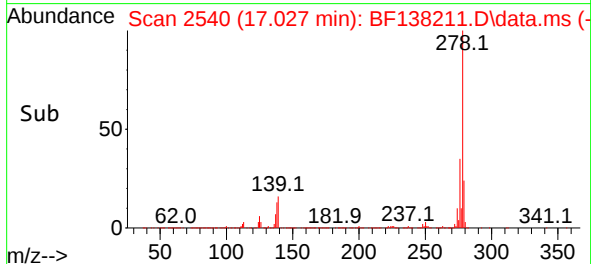
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SPMS



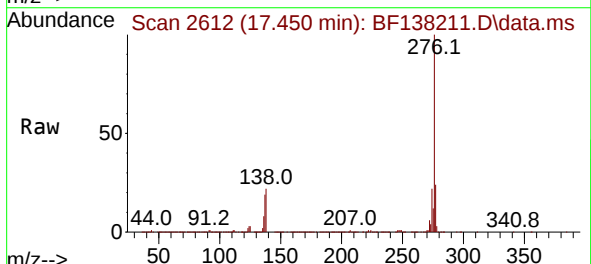
Tgt Ion:278 Resp: 2074349
Ion Ratio Lower Upper
278 100
139 16.2 12.9 19.3
279 24.0 19.9 29.9

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 40.595 ng
RT: 17.450 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF138211.D
Acq: 17 Jun 2024 18:29



Tgt Ion:276 Resp: 1960561
Ion Ratio Lower Upper
276 100
277 23.5 19.5 29.3
138 22.4 16.6 24.8

