

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
 Data File : BF133755.D
 Acq On : 14 Jun 2023 17:13
 Operator : CG\JU
 Sample : 03114-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

Quant Time: Jun 14 17:51:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	146974	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	546183	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	253784	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	436723	20.000	ng	0.00
76) Chrysene-d12	14.004	240	280396	20.000	ng	0.00
86) Perylene-d12	15.468	264	328524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	848264	100.476	ng	0.02
7) Phenol-d6	6.469	99	956157	87.009	ng	0.00
23) Nitrobenzene-d5	7.398	82	742463	74.040	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	287513	89.500	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1287268	72.104	ng	0.00
79) Terphenyl-d14	12.951	244	1120112	61.813	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.751	88	110231	29.699	ng	# 80
3) Pyridine	3.463	79	276619	25.570	ng	98
4) n-Nitrosodimethylamine	3.393	42	201791	33.745	ng	100
6) Aniline	6.498	93	261929	18.924	ng	97
8) 2-Chlorophenol	6.616	128	342592	38.507	ng	98
9) Benzaldehyde	6.387	77	133072	18.252	ng	98
10) Phenol	6.481	94	361355	31.491	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	332524	39.034	ng	96
12) 1,3-Dichlorobenzene	6.775	146	362871	38.173	ng	98
13) 1,4-Dichlorobenzene	6.851	146	362732	37.754	ng	97
14) 1,2-Dichlorobenzene	7.004	146	347794	40.061	ng	96
15) Benzyl Alcohol	6.975	79	318118	37.064	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	591653	40.971	ng	99
17) 2-Methylphenol	7.086	107	279222	35.408	ng	98
18) Hexachloroethane	7.345	117	135726	41.264	ng	97
19) n-Nitroso-di-n-propyla...	7.251	70	244497	34.969	ng	100
20) 3+4-Methylphenols	7.239	107	321186	31.309	ng	91
22) Acetophenone	7.245	105	464236	37.059	ng	98
24) Nitrobenzene	7.416	77	384280	38.057	ng	97
25) Isophorone	7.657	82	664412	36.090	ng	99
26) 2-Nitrophenol	7.734	139	178746	39.444	ng	97
27) 2,4-Dimethylphenol	7.769	122	292398	37.436	ng	99
28) bis(2-Chloroethoxy)met...	7.869	93	400226	37.614	ng	99
29) 2,4-Dichlorophenol	7.975	162	285145	37.249	ng	98
30) 1,2,4-Trichlorobenzene	8.057	180	309325	38.730	ng	98
31) Naphthalene	8.139	128	964194	36.234	ng	99
32) Benzoic acid	7.869	122	110028	22.336	ng	93
33) 4-Chloroaniline	8.186	127	69551	6.113	ng	96
34) Hexachlorobutadiene	8.251	225	190058	36.346	ng	99
35) Caprolactam	8.557	113	63872	24.796	ng	97
36) 4-Chloro-3-methylphenol	8.675	107	307460	34.845	ng	98
37) 2-Methylnaphthalene	8.828	142	654149	35.381	ng	98
38) 1-Methylnaphthalene	8.928	142	605040	35.562	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	301325	39.056	ng	98
41) Hexachlorocyclopentadiene	8.980	237	278441	80.985	ng	95
43) 2,4,6-Trichlorophenol	9.110	196	201170	39.019	ng	98

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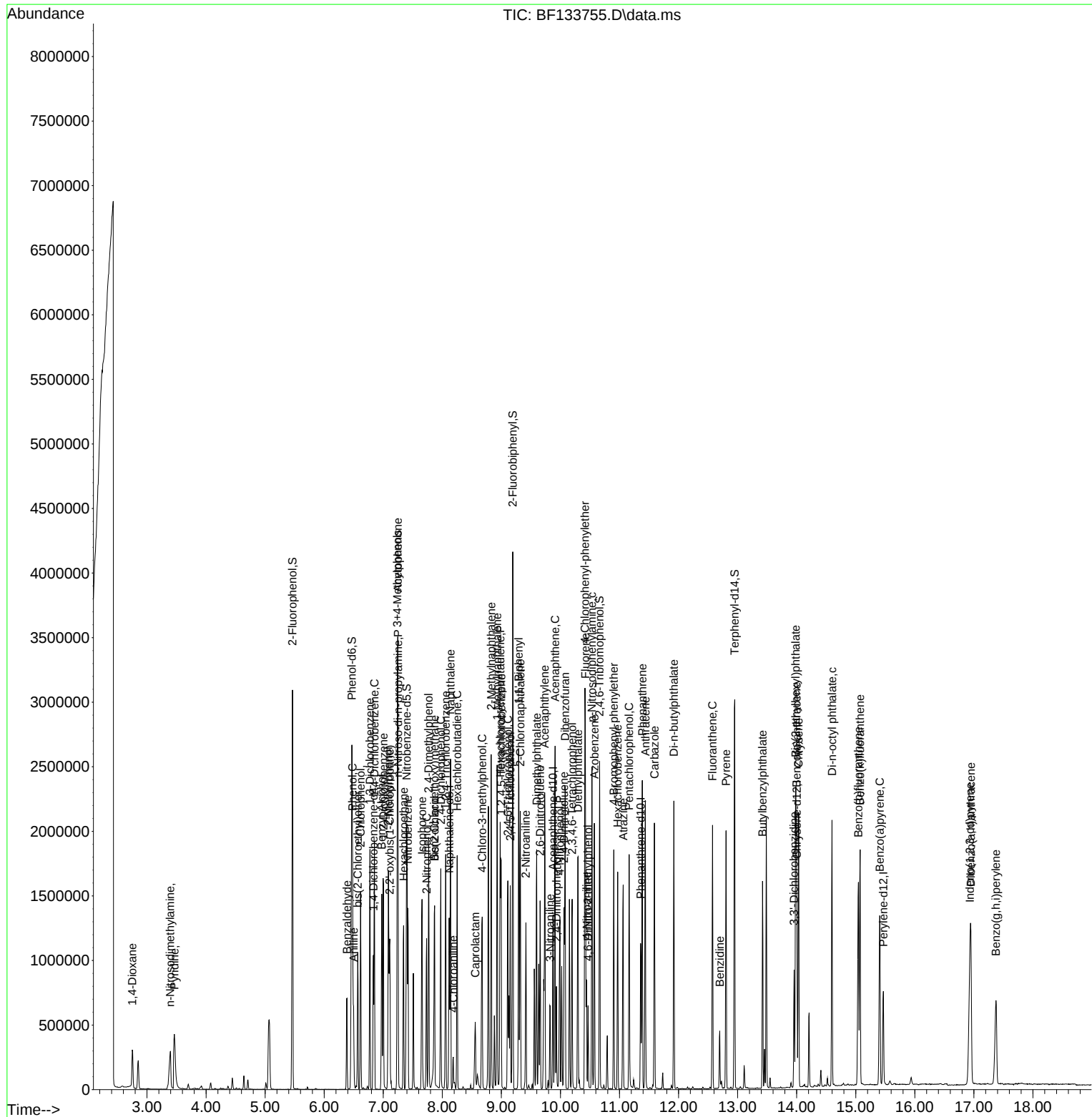
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.151	196	214667	35.790	ng	98
46) 1,1'-Biphenyl	9.292	154	789762	38.585	ng	99
47) 2-Chloronaphthalene	9.322	162	568866	38.746	ng	100
48) 2-Nitroaniline	9.416	65	197646	36.808	ng	98
49) Acenaphthylene	9.733	152	952028	37.255	ng	99
50) Dimethylphthalate	9.598	163	702534	37.087	ng	99
51) 2,6-Dinitrotoluene	9.657	165	152031	38.883	ng	# 79
52) Acenaphthene	9.910	154	575633	38.484	ng	99
53) 3-Nitroaniline	9.827	138	97048	20.396	ng	94
54) 2,4-Dinitrophenol	9.933	184	80563	44.868	ng	97
55) Dibenzofuran	10.080	168	838201	36.725	ng	99
56) 4-Nitrophenol	9.992	139	211942	65.999	ng	91
57) 2,4-Dinitrotoluene	10.063	165	191699	38.550	ng	98
58) Fluorene	10.422	166	642301	36.799	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.198	232	171154	38.114	ng	99
60) Diethylphthalate	10.298	149	695438	36.072	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	312528	36.270	ng	96
62) 4-Nitroaniline	10.445	138	147045	31.519	ng	100
63) Azobenzene	10.574	77	651409	35.691	ng	98
65) 4,6-Dinitro-2-methylph...	10.469	198	65741	31.502	ng	81
66) n-Nitrosodiphenylamine	10.533	169	570104	38.863	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	186386	38.238	ng	97
68) Hexachlorobenzene	10.969	284	200493	39.114	ng	98
69) Atrazine	11.063	200	179445	42.159	ng	96
70) Pentachlorophenol	11.163	266	187066	60.946	ng	98
71) Phenanthrene	11.386	178	813861	36.731	ng	100
72) Anthracene	11.439	178	848850	36.742	ng	99
73) Carbazole	11.592	167	769088	35.743	ng	99
74) Di-n-butylphthalate	11.921	149	979990	35.526	ng	99
75) Fluoranthene	12.574	202	780555	33.174	ng	99
77) Benzidine	12.698	184	181616	19.302	ng	98
78) Pyrene	12.804	202	781454	29.918	ng	99
80) Butylbenzylphthalate	13.421	149	350781	31.811	ng	97
81) Benzo(a)anthracene	13.998	228	734898	37.891	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	173277	26.873	ng	99
83) Chrysene	14.033	228	704667	38.413	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	496667	36.581	ng	98
85) Di-n-octyl phthalate	14.598	149	916220	47.487	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	781421	34.574	ng	99
88) Benzo(b)fluoranthene	15.045	252	824429	41.311	ng	99
89) Benzo(k)fluoranthene	15.074	252	752415	38.705	ng	98
90) Benzo(a)pyrene	15.409	252	710800	38.378	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	657050	35.115	ng	99
92) Benzo(g,h,i)perylene	17.374	276	575892	31.042	ng	97

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

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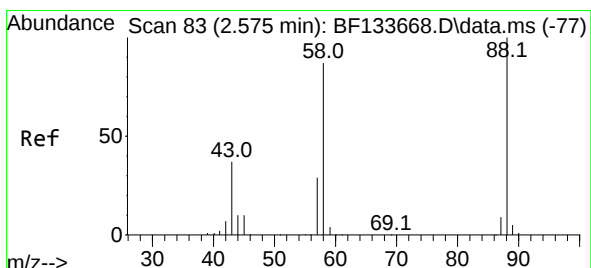
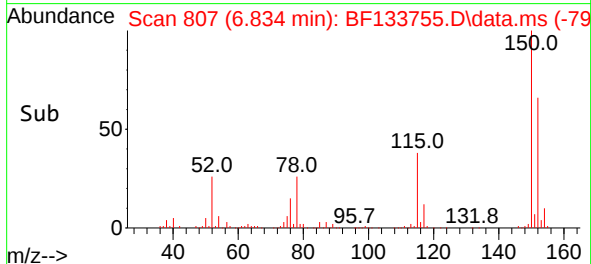
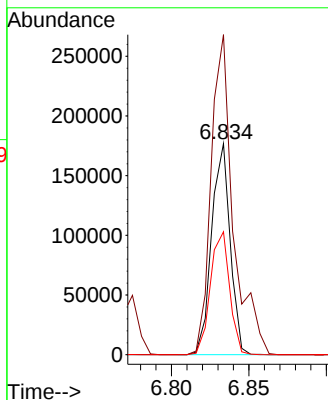
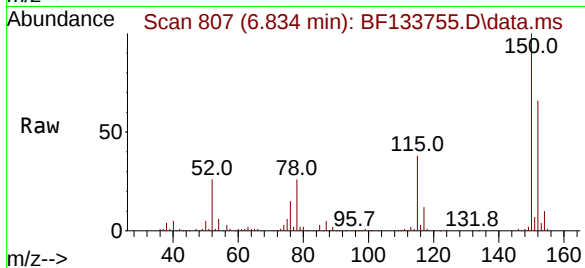




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
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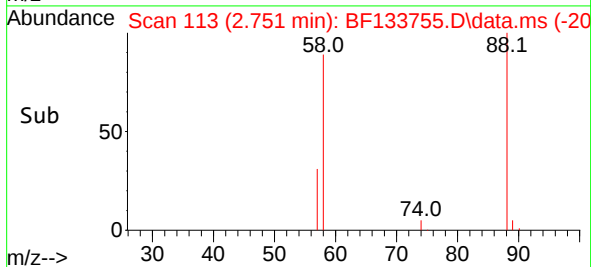
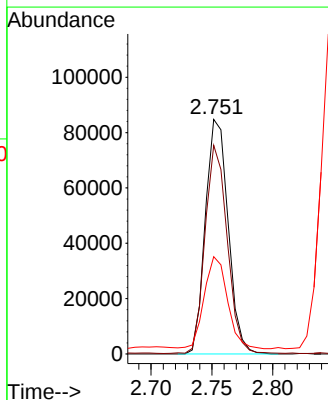
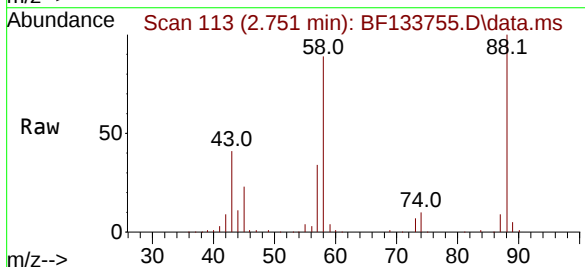
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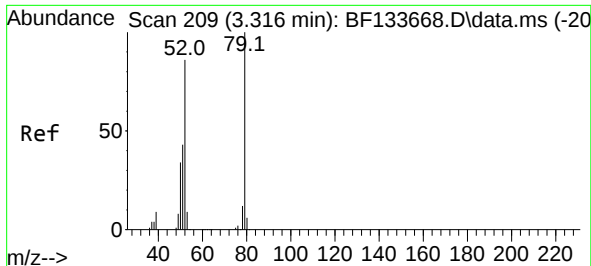
Tgt Ion:152 Resp: 146974
Ion Ratio Lower Upper
152 100
150 151.6 124.3 186.5
115 58.2 48.5 72.7



#2
1,4-Dioxane
Concen: 29.699 ng
RT: 2.751 min Scan# 113
Delta R.T. 0.200 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 88 Resp: 110231
Ion Ratio Lower Upper
88 100
58 86.5 67.8 101.6
43 0.0 29.8 44.6#

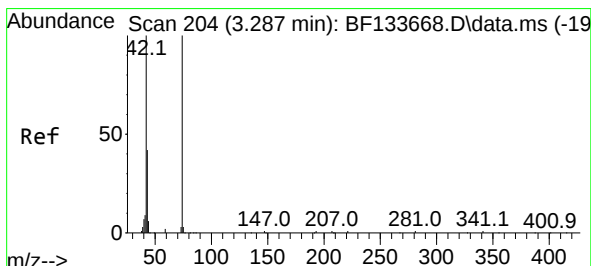
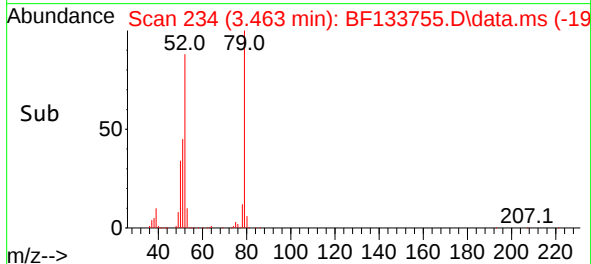
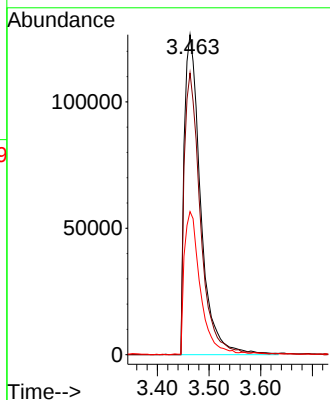
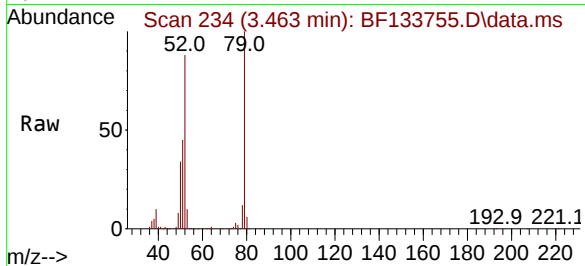




#3
Pyridine
Concen: 25.570 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.159 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

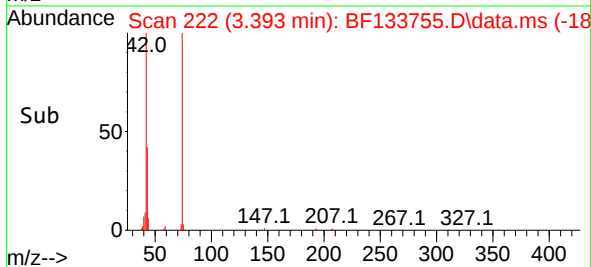
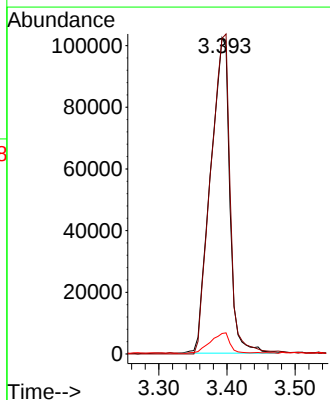
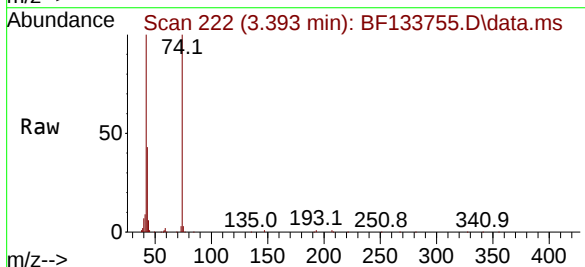
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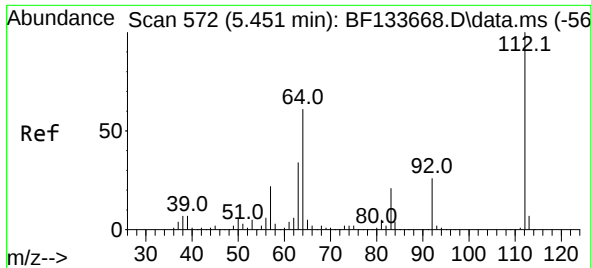
Tgt Ion: 79 Resp: 276619
Ion Ratio Lower Upper
79 100
52 88.1 68.6 102.8
51 44.7 34.8 52.2



#4
n-Nitrosodimethylamine
Concen: 33.745 ng
RT: 3.393 min Scan# 222
Delta R.T. 0.135 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 42 Resp: 201791
Ion Ratio Lower Upper
42 100
74 99.7 79.8 119.8
44 6.5 4.7 7.1

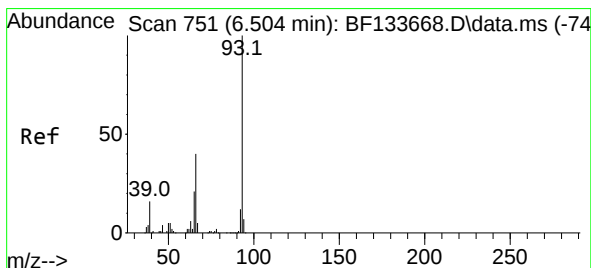
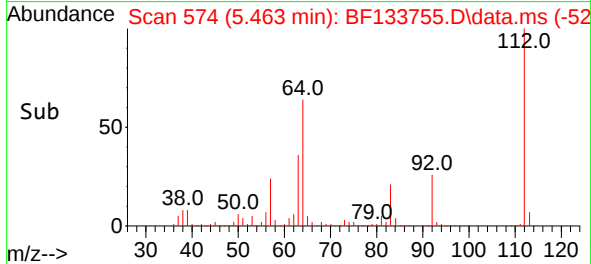
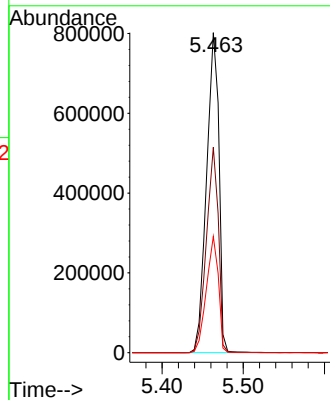
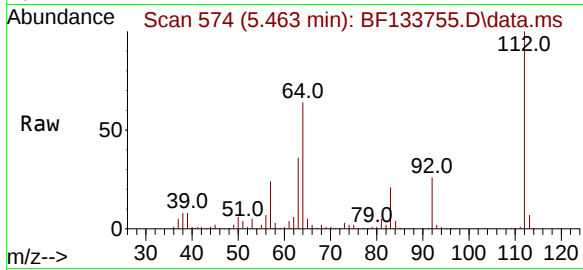




#5
2-Fluorophenol
Concen: 100.476 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

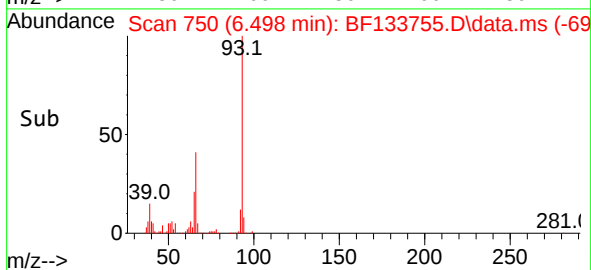
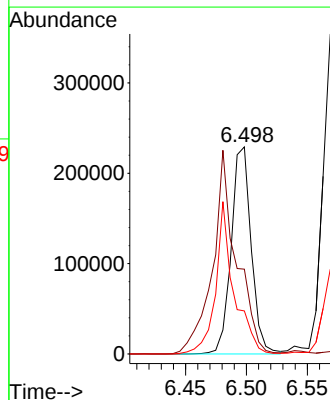
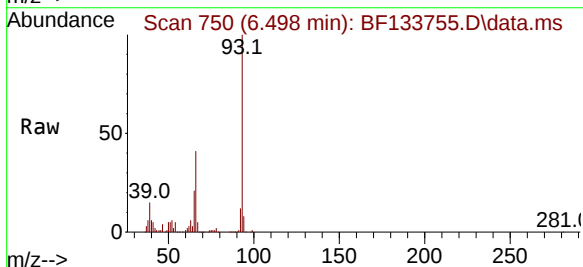
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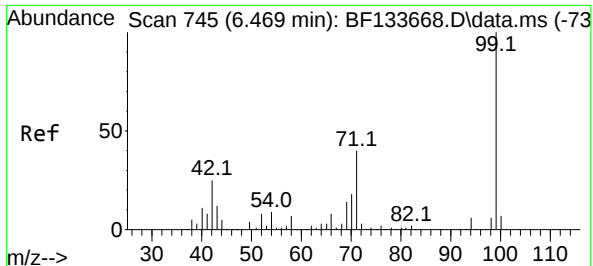
Tgt Ion:112 Resp: 848264
Ion Ratio Lower Upper
112 100
64 64.2 49.0 73.4
63 36.3 26.8 40.2



#6
Aniline
Concen: 18.924 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 93 Resp: 261929
Ion Ratio Lower Upper
93 100
66 41.0 34.4 51.6
65 20.8 17.5 26.3

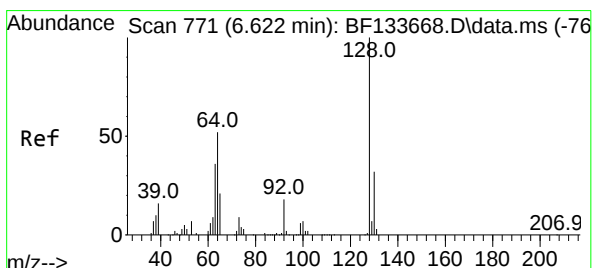
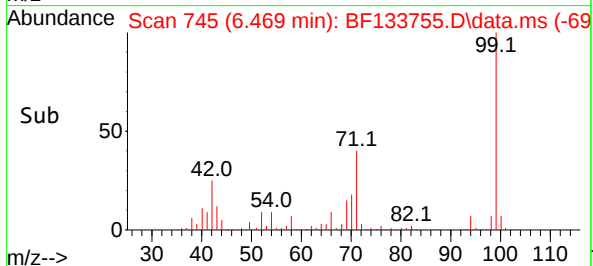
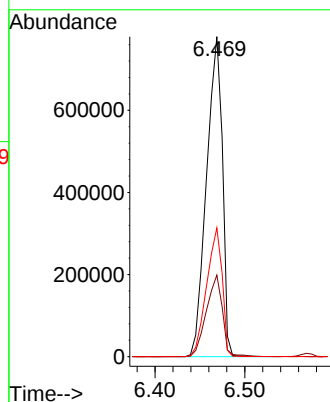
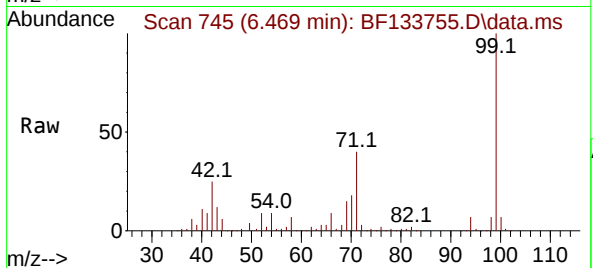




#7
Phenol-d6
Concen: 87.009 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133755.D
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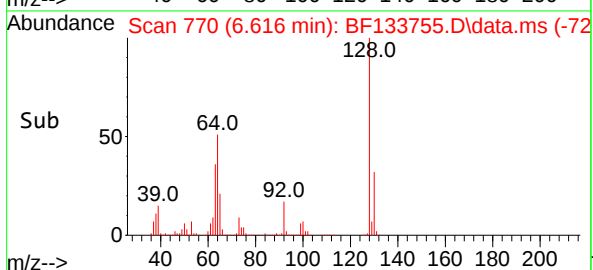
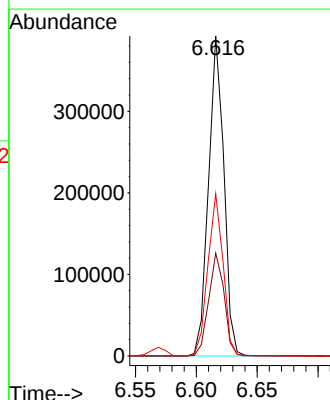
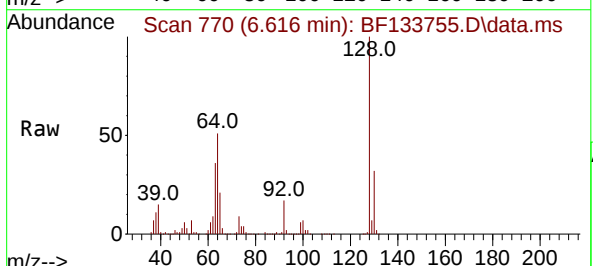
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Tgt Ion: 99 Resp: 956157
Ion Ratio Lower Upper
99 100
42 25.5 19.9 29.9
71 40.2 32.2 48.4



#8
2-Chlorophenol
Concen: 38.507 ng
RT: 6.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BF133755.D
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Tgt Ion:128 Resp: 342592
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 50.6 33.1 73.1

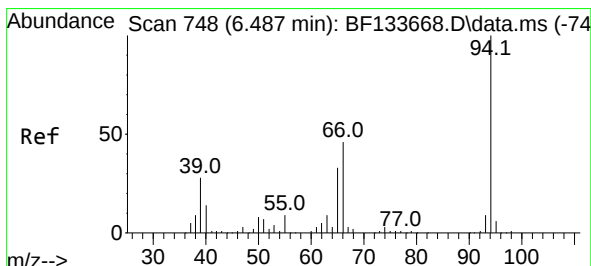
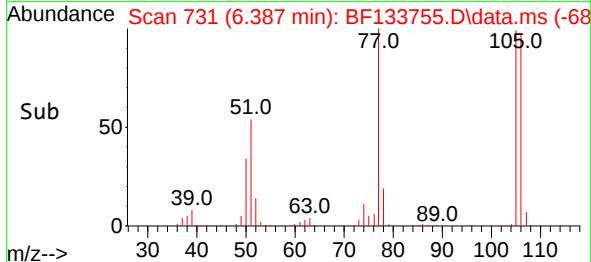
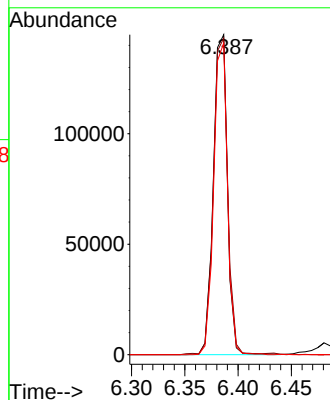
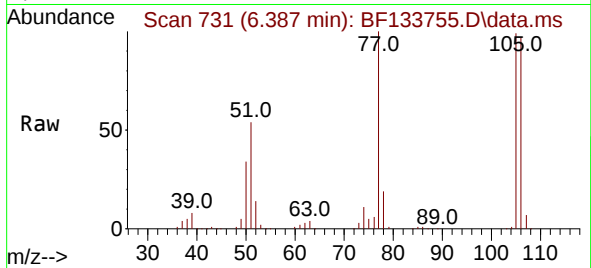




#9
Benzaldehyde
Concen: 18.252 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.000 min
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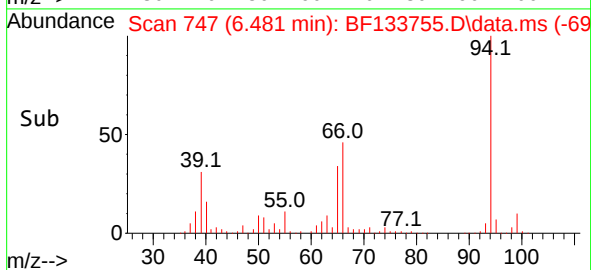
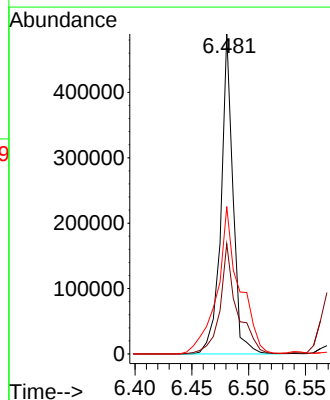
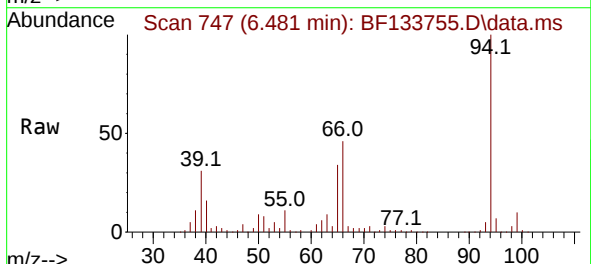
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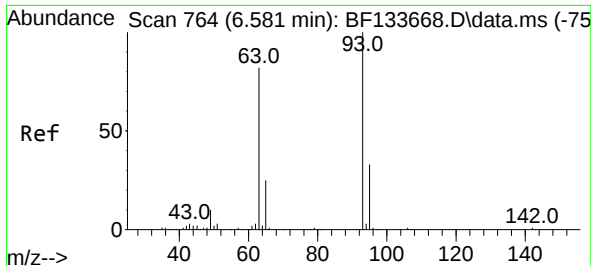
Tgt Ion: 77 Resp: 133072
Ion Ratio Lower Upper
77 100
105 98.9 82.0 122.0
106 97.4 77.6 117.6



#10
Phenol
Concen: 31.491 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.000 min
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Tgt Ion: 94 Resp: 361355
Ion Ratio Lower Upper
94 100
65 34.5 13.2 53.2
66 46.1 26.1 66.1

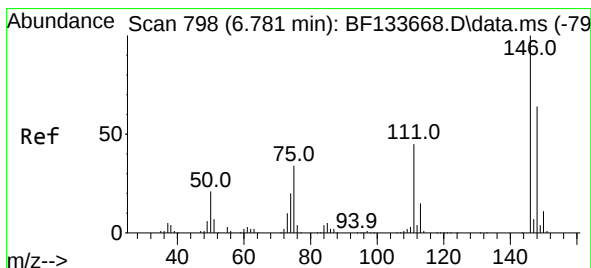
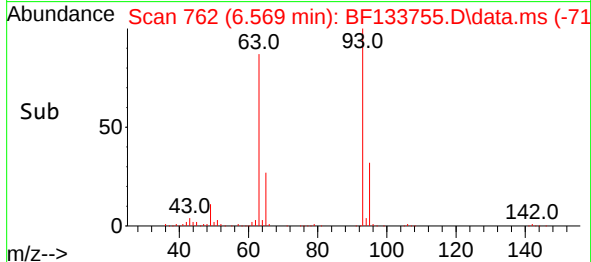
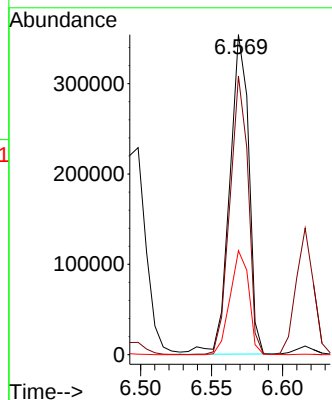
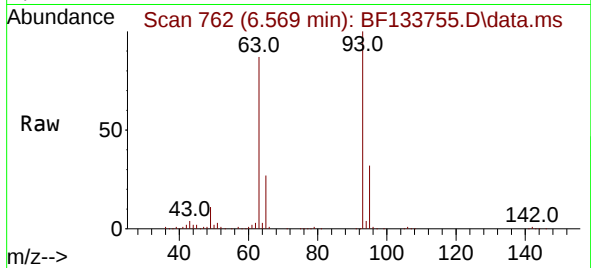




#11
bis(2-Chloroethyl)ether
Concen: 39.034 ng
RT: 6.569 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

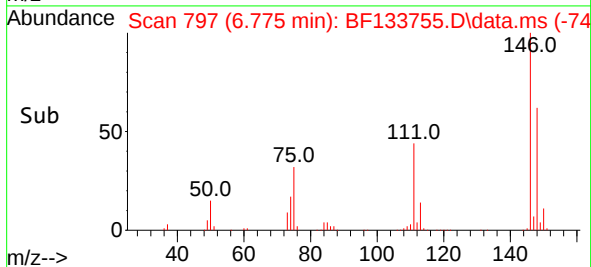
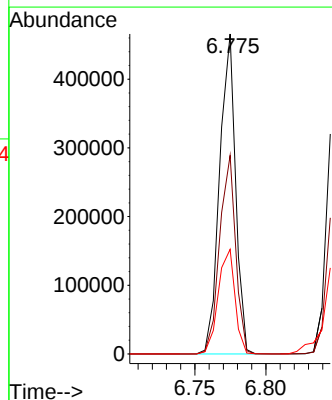
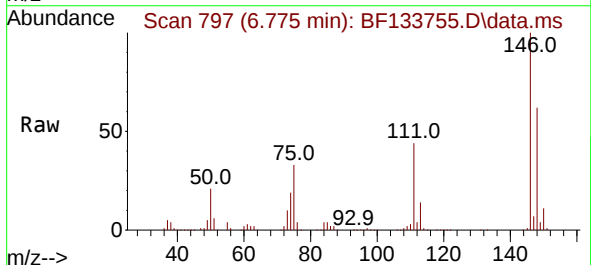
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

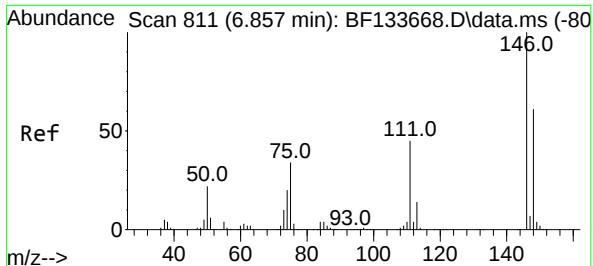
Tgt Ion: 93 Resp: 332524
Ion Ratio Lower Upper
93 100
63 87.1 62.1 102.1
95 32.5 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 38.173 ng
RT: 6.775 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 146 Resp: 362871
Ion Ratio Lower Upper
146 100
148 62.1 50.9 76.3
75 32.7 27.1 40.7





#13

1,4-Dichlorobenzene

Concen: 37.754 ng

RT: 6.851 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

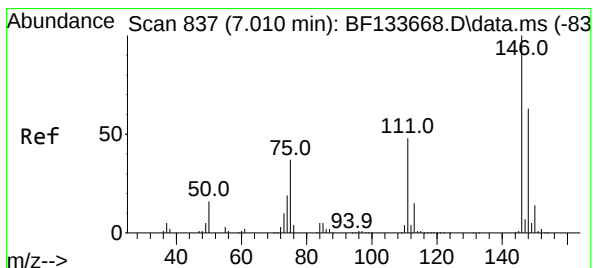
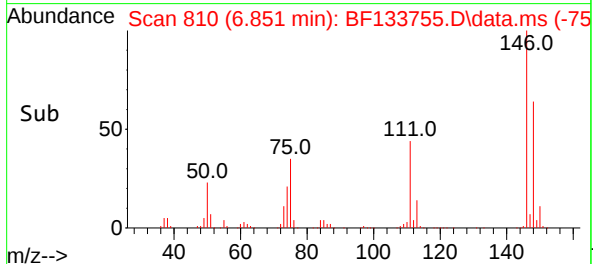
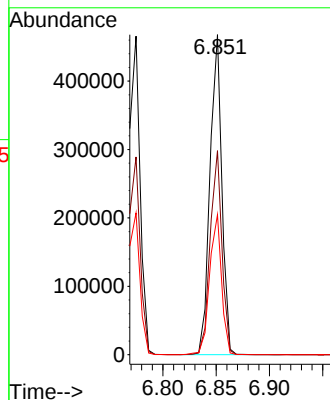
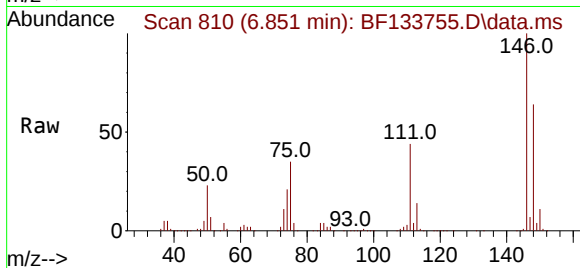
Tgt Ion:146 Resp: 362732

Ion Ratio Lower Upper

146 100

148 63.7 48.9 73.3

111 43.8 35.8 53.6



#14

1,2-Dichlorobenzene

Concen: 40.061 ng

RT: 7.004 min Scan# 836

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

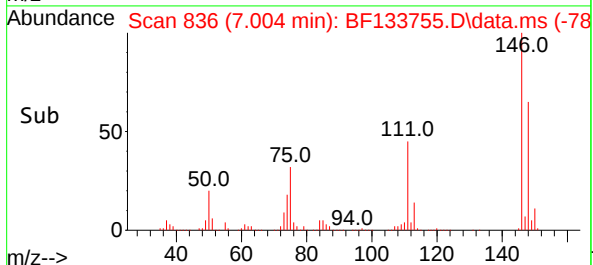
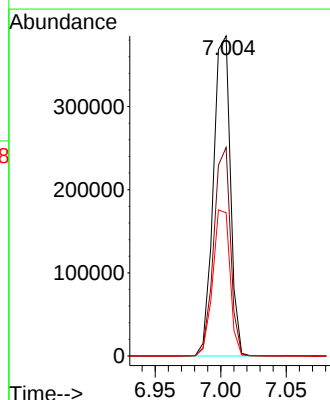
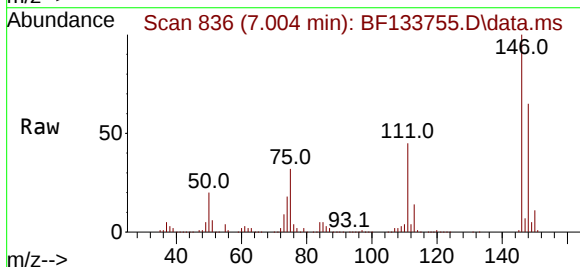
Tgt Ion:146 Resp: 347794

Ion Ratio Lower Upper

146 100

148 65.2 50.6 75.8

111 44.7 38.7 58.1

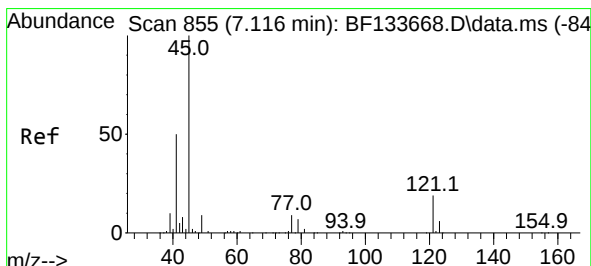
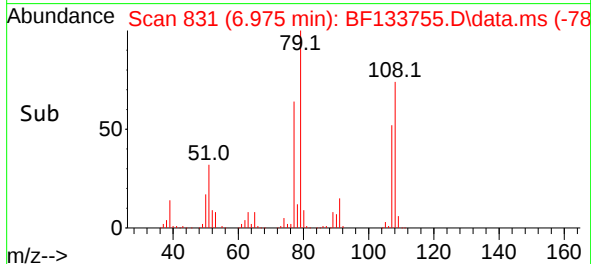
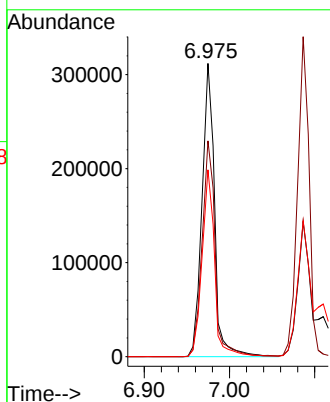
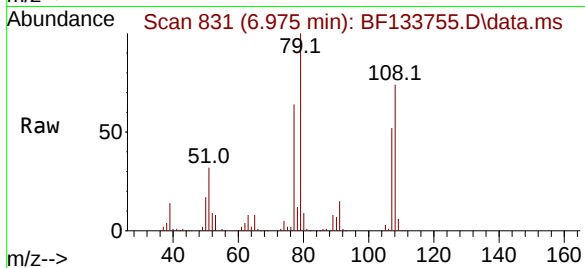




#15
Benzyl Alcohol
Concen: 37.064 ng
RT: 6.975 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

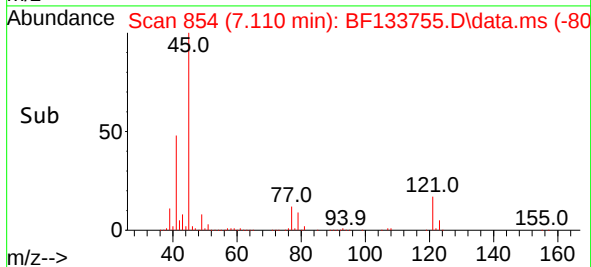
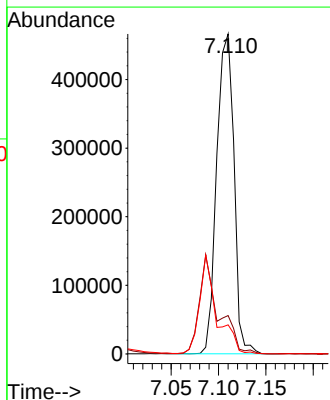
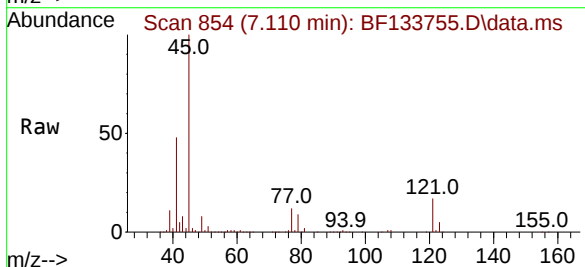
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

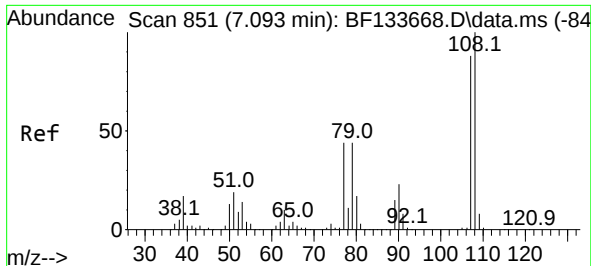
Tgt Ion: 79 Resp: 318118
Ion Ratio Lower Upper
79 100
108 73.6 57.9 86.9
77 63.7 50.4 75.6



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.971 ng
RT: 7.110 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 45 Resp: 591653
Ion Ratio Lower Upper
45 100
77 12.0 0.0 32.3
79 9.1 0.0 29.4

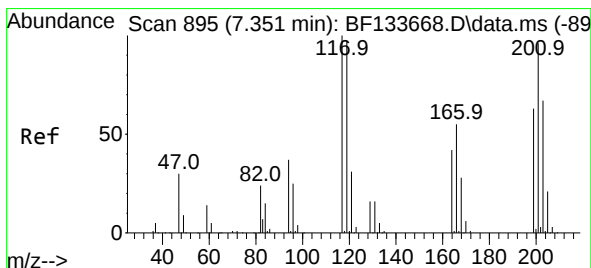
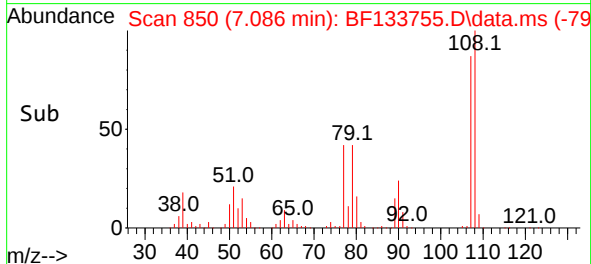
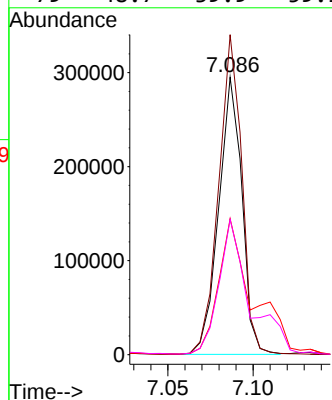
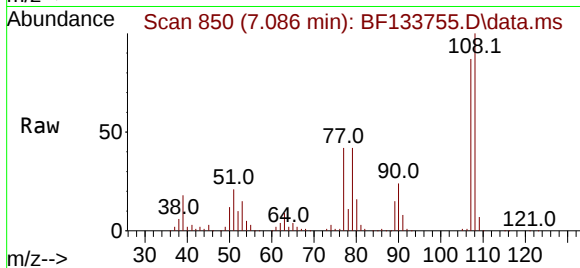




#17
2-Methylphenol
Concen: 35.408 ng
RT: 7.086 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

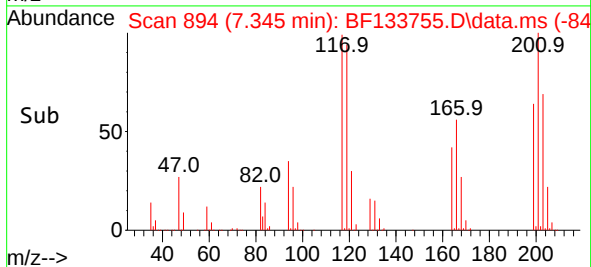
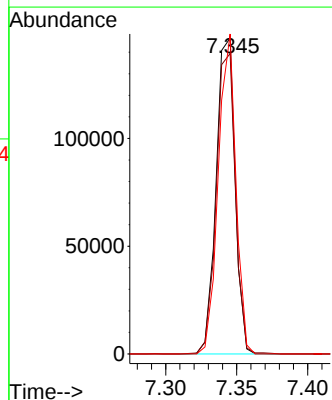
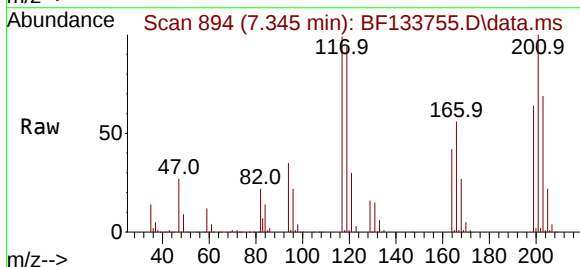
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

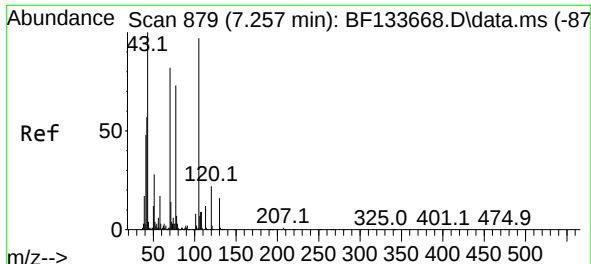
Tgt Ion:107 Resp: 279222
Ion Ratio Lower Upper
107 100
108 115.4 90.9 136.3
77 49.0 39.8 59.6
79 48.7 39.9 59.9



#18
Hexachloroethane
Concen: 41.264 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:117 Resp: 135726
Ion Ratio Lower Upper
117 100
119 95.1 77.3 115.9
201 101.3 76.8 115.2

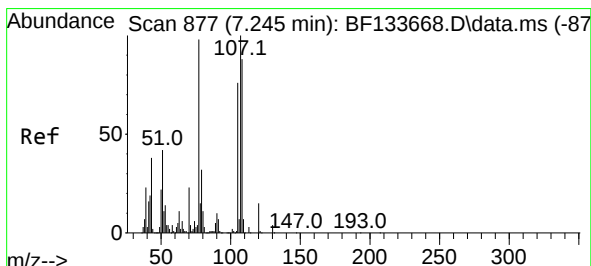
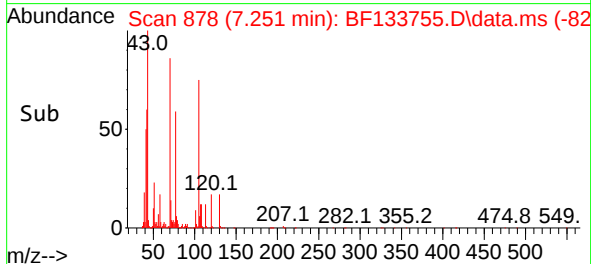
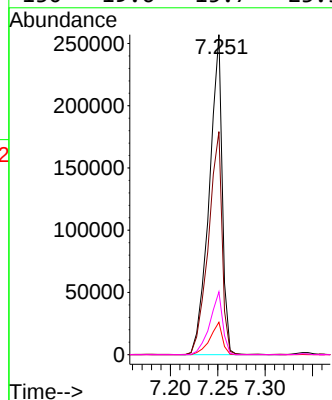
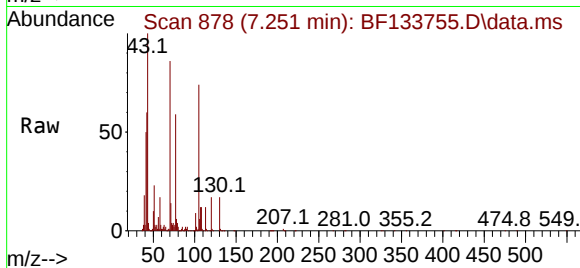




#19
n-Nitroso-di-n-propylamine
Concen: 34.969 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

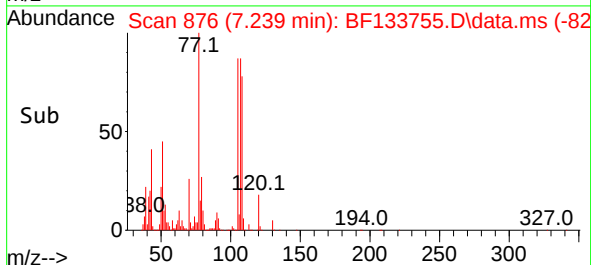
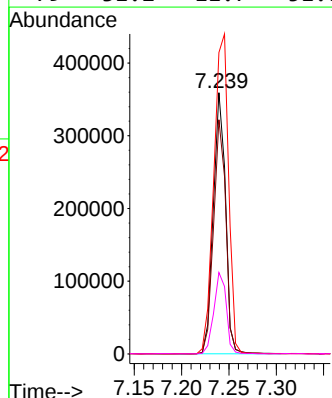
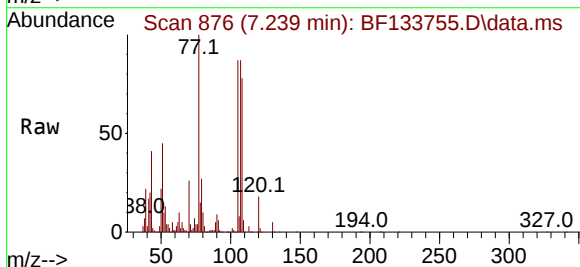
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

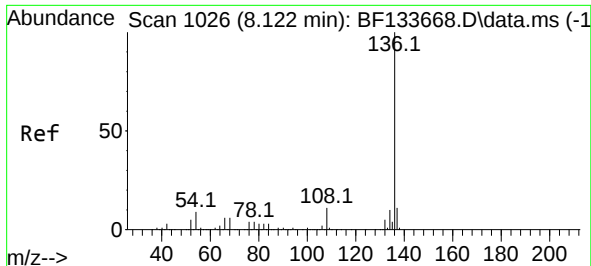
Tgt Ion:	70	Resp:	244497
Ion	Ratio	Lower	Upper
70	100		
42	69.7	55.8	83.8
101	10.1	8.1	12.1
130	19.6	15.7	23.5



#20
3+4-Methylphenols
Concen: 31.309 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:	107	Resp:	321186
Ion	Ratio	Lower	Upper
107	100		
108	89.7	67.9	107.9
77	115.4	77.7	117.7
79	31.2	11.7	51.7

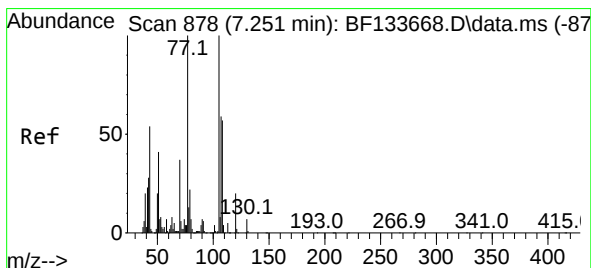
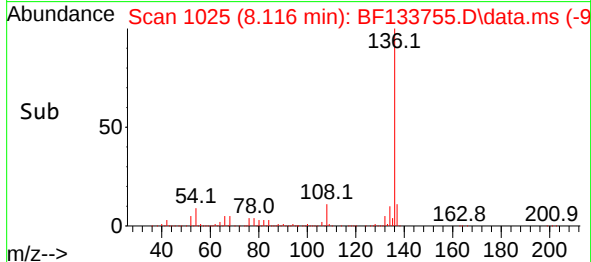
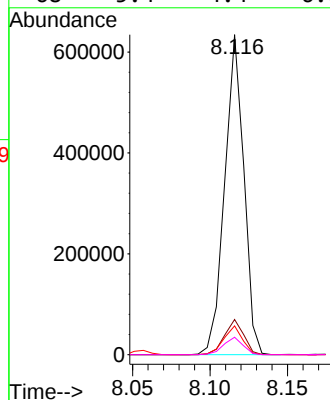
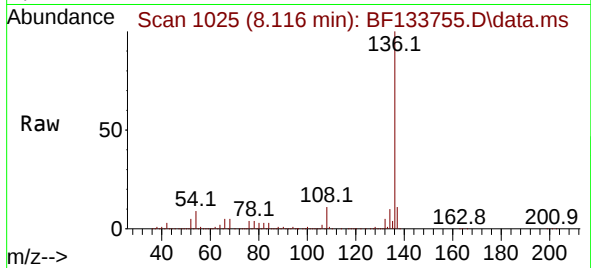




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

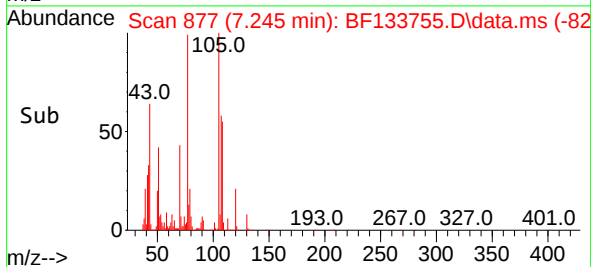
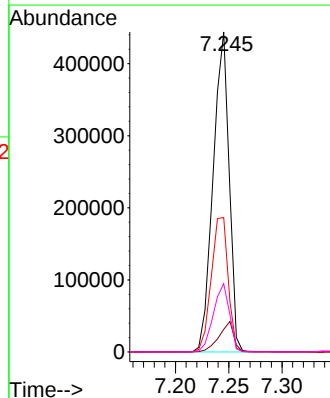
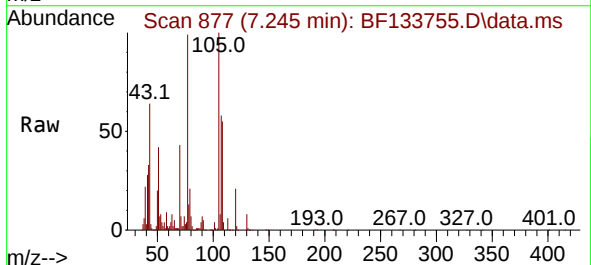
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

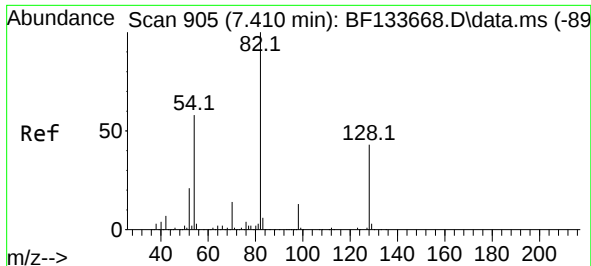
Tgt Ion:136 Resp: 546183
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.0 7.4 11.0
68 5.4 4.4 6.6



#22
Acetophenone
Concen: 37.059 ng
RT: 7.245 min Scan# 877
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:105 Resp: 464236
Ion Ratio Lower Upper
105 100
71 7.1 4.8 7.2
51 42.0 33.0 49.4
120 21.3 16.2 24.4





#23

Nitrobenzene-d5

Concen: 74.040 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

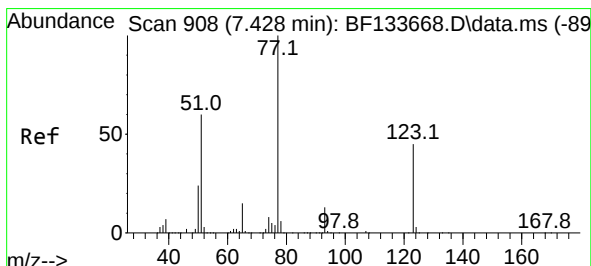
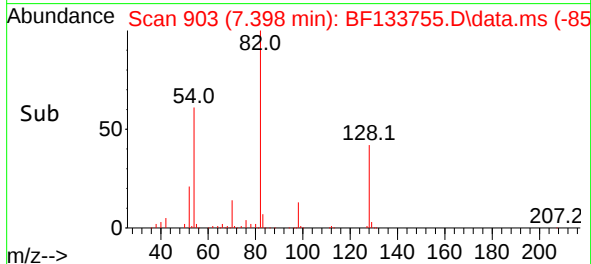
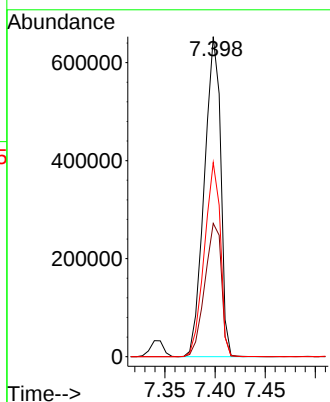
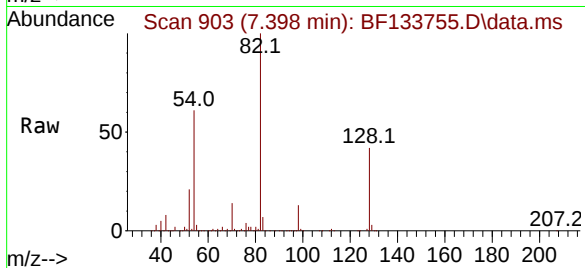
Tgt Ion: 82 Resp: 742463

Ion Ratio Lower Upper

82 100

128 41.6 34.2 51.2

54 60.7 46.5 69.7



#24

Nitrobenzene

Concen: 38.057 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

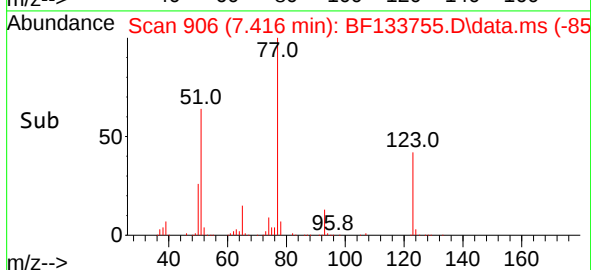
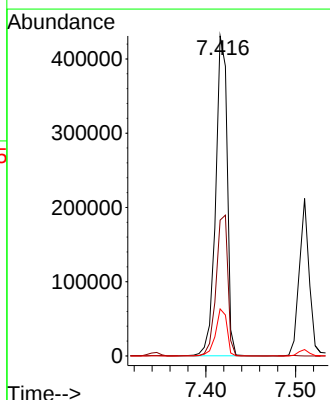
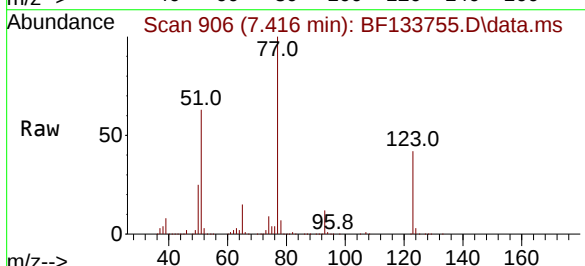
Tgt Ion: 77 Resp: 384280

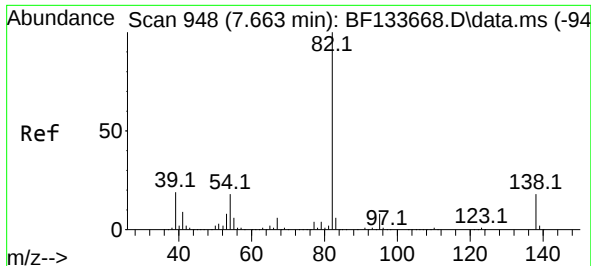
Ion Ratio Lower Upper

77 100

123 42.5 35.8 53.8

65 14.7 11.6 17.4

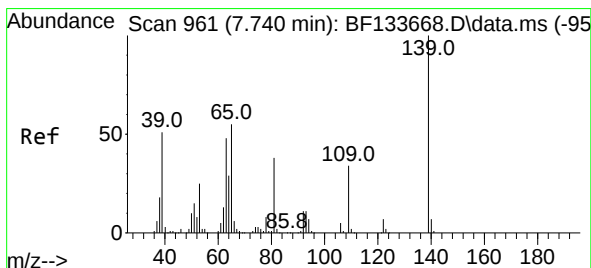
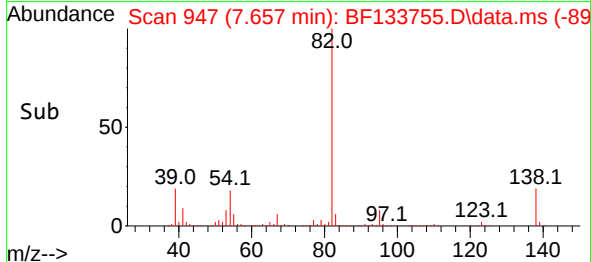
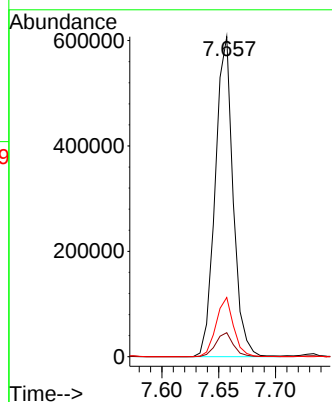
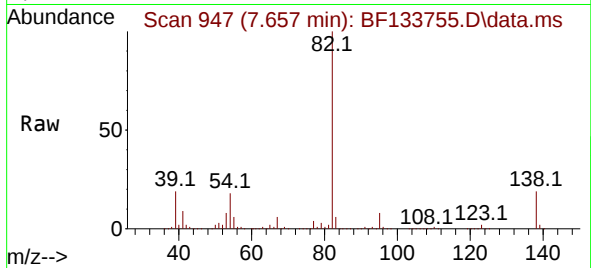




#25
Isophorone
Concen: 36.090 ng
RT: 7.657 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

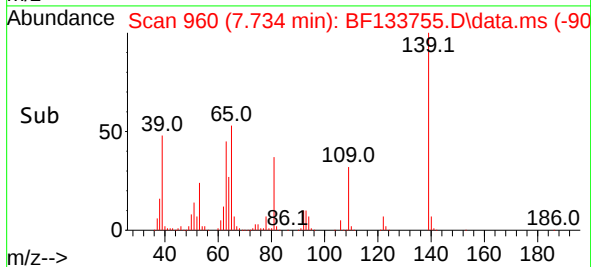
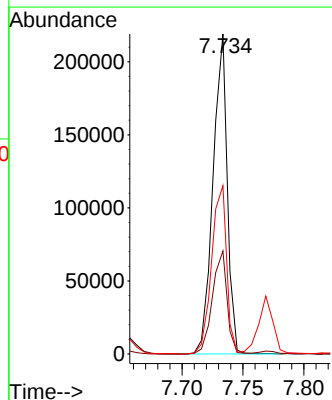
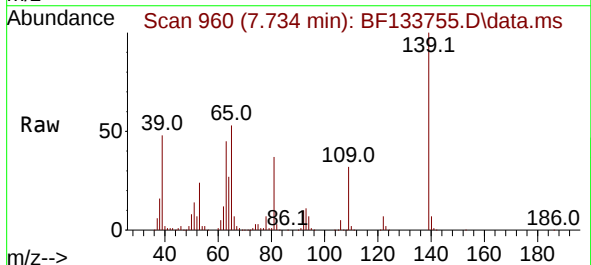
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

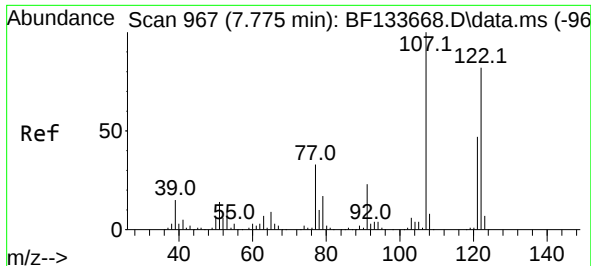
Tgt Ion: 82 Resp: 664412
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 18.5 14.2 21.2



#26
2-Nitrophenol
Concen: 39.444 ng
RT: 7.734 min Scan# 960
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:139 Resp: 178746
Ion Ratio Lower Upper
139 100
109 32.2 27.0 40.6
65 52.6 44.2 66.4

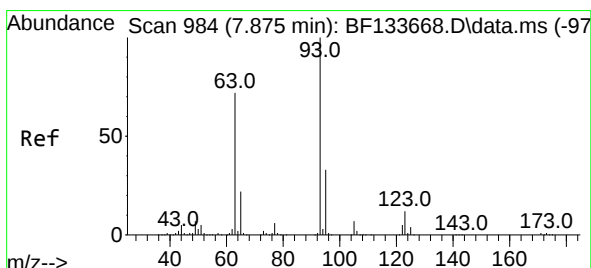
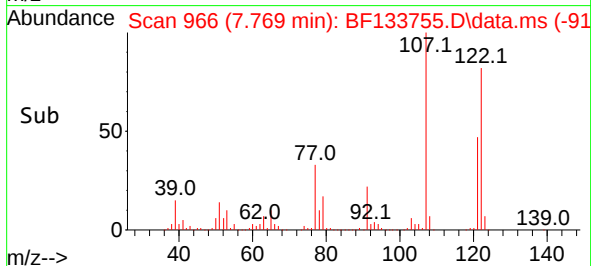
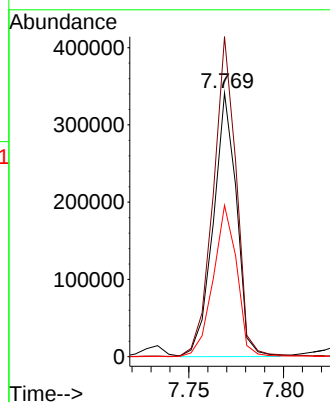
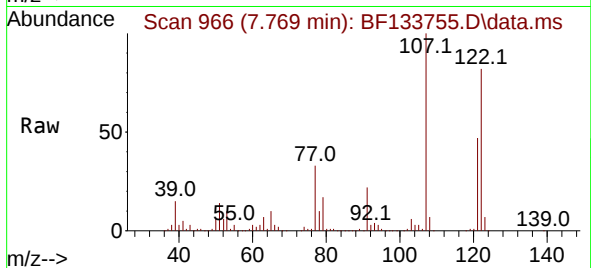




#27
2,4-Dimethylphenol
Concen: 37.436 ng
RT: 7.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

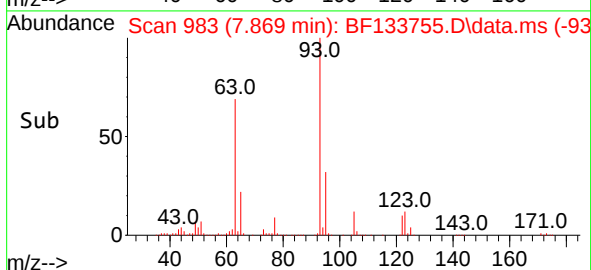
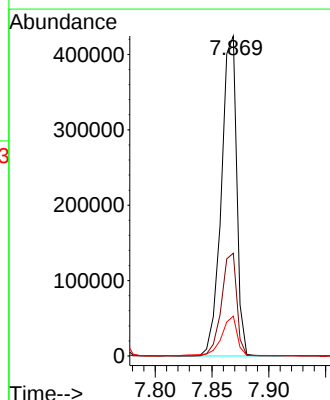
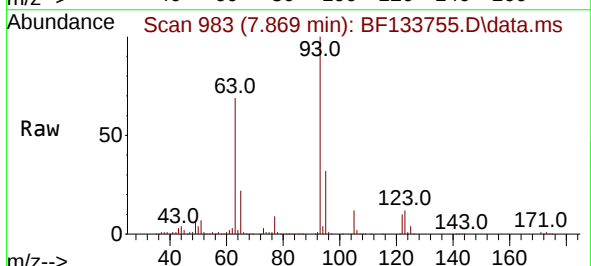
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

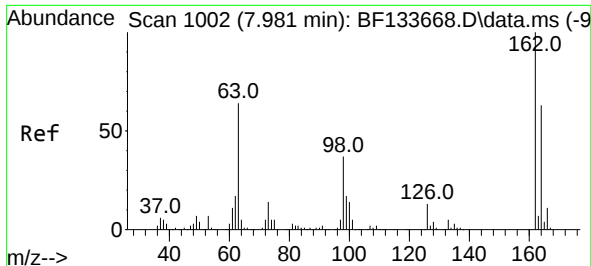
Tgt Ion:122 Resp: 292398
Ion Ratio Lower Upper
122 100
107 121.3 97.8 146.6
121 57.4 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 37.614 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion: 93 Resp: 400226
Ion Ratio Lower Upper
93 100
95 32.1 26.4 39.6
123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 37.249 ng

RT: 7.975 min Scan# 1001

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

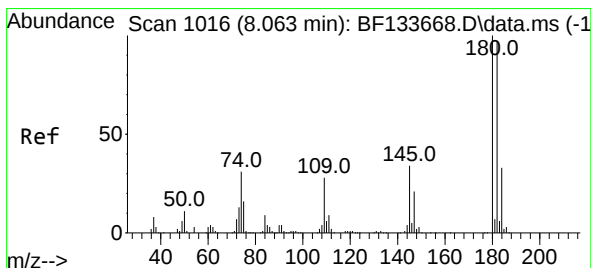
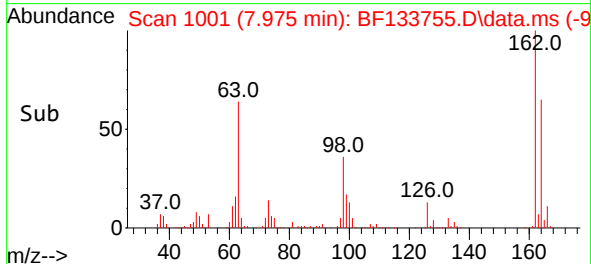
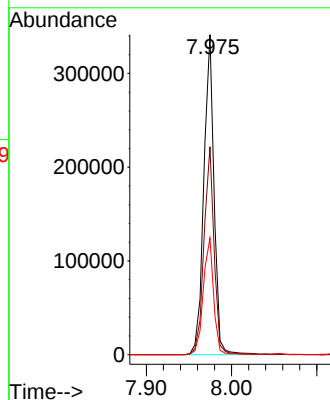
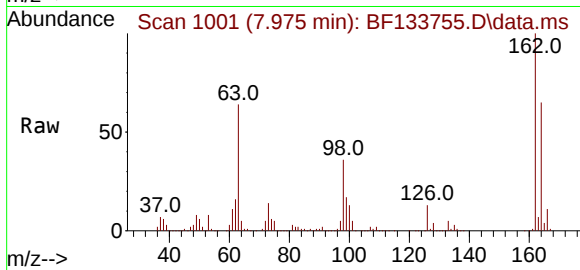
Tgt Ion:162 Resp: 285145

Ion Ratio Lower Upper

162 100

164 65.0 43.4 83.4

98 36.5 17.4 57.4



#30

1,2,4-Trichlorobenzene

Concen: 38.730 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

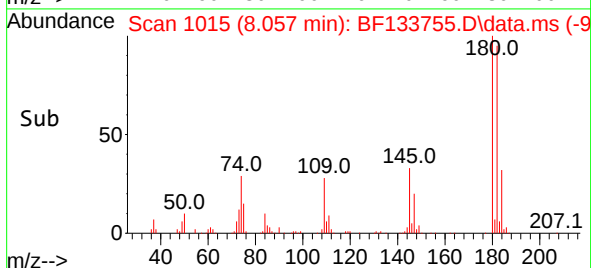
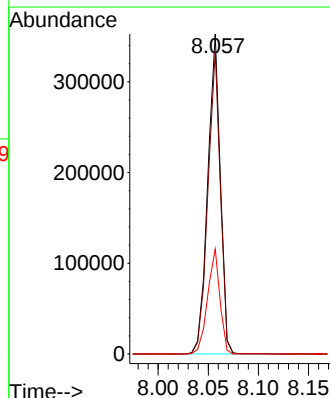
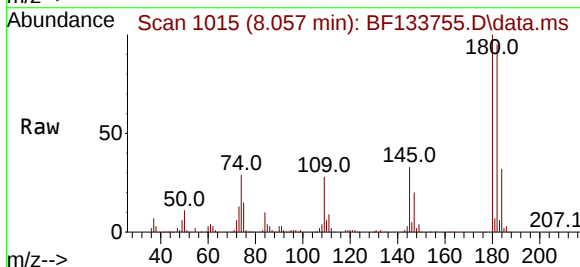
Tgt Ion:180 Resp: 309325

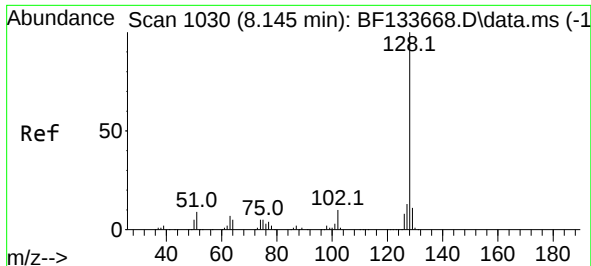
Ion Ratio Lower Upper

180 100

182 94.6 77.8 116.8

145 32.8 27.0 40.4

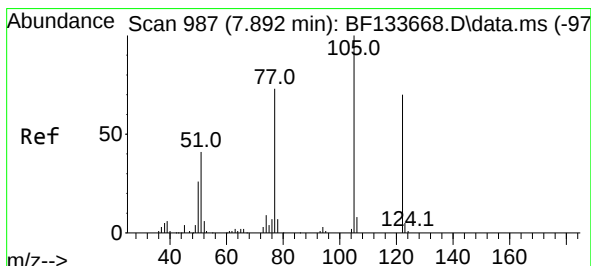
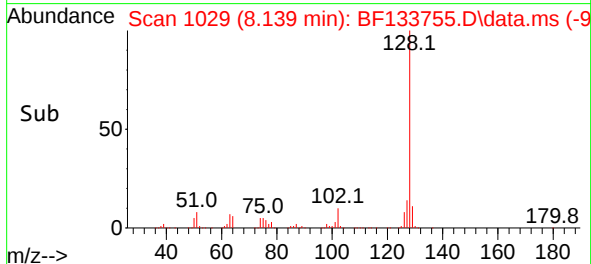
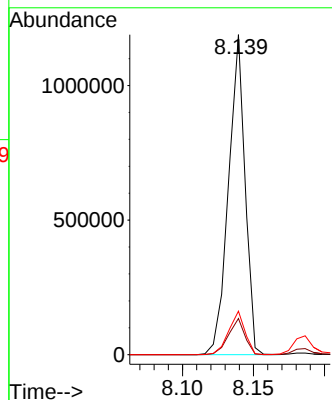
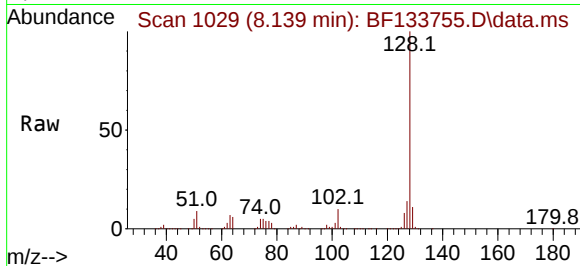




#31
Naphthalene
Concen: 36.234 ng
RT: 8.139 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

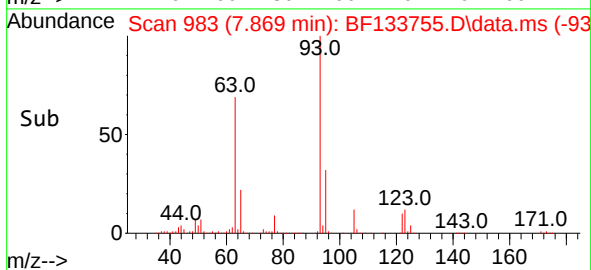
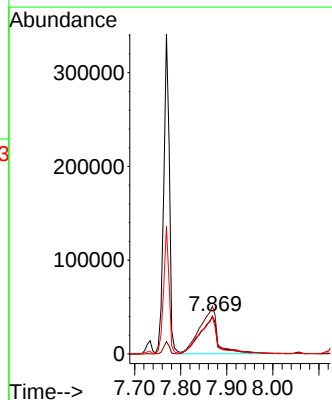
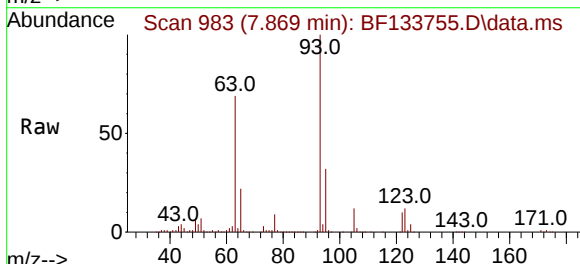
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

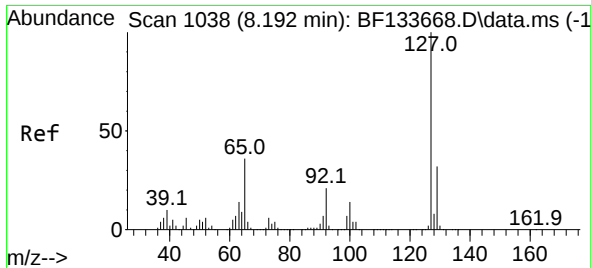
Tgt Ion:128 Resp: 964194
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.6 10.5 15.7



#32
Benzoic acid
Concen: 22.336 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.018 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:122 Resp: 110028
Ion Ratio Lower Upper
122 100
105 125.7 116.3 156.3
77 97.4 82.4 122.4

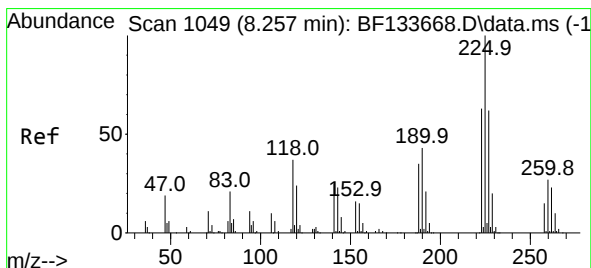
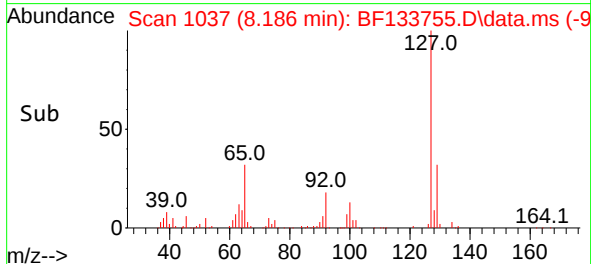
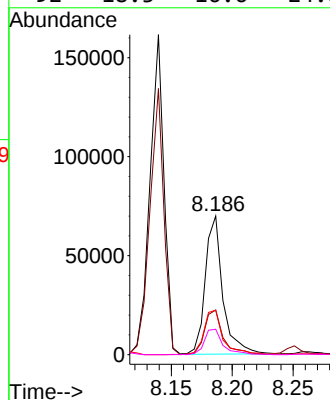
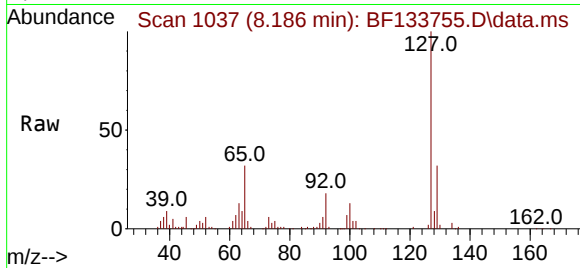




#33
4-Chloroaniline
Concen: 6.113 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

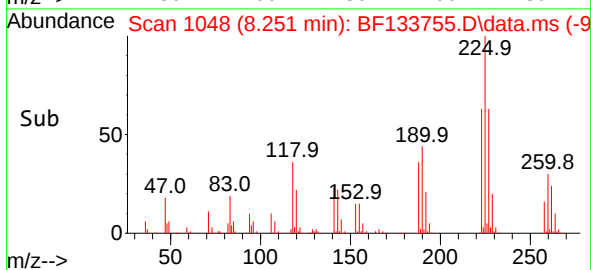
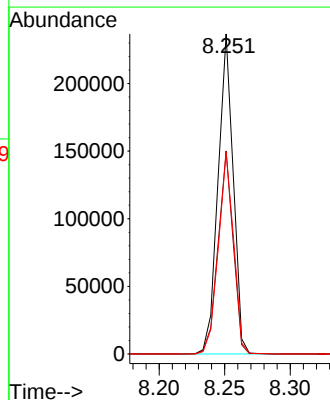
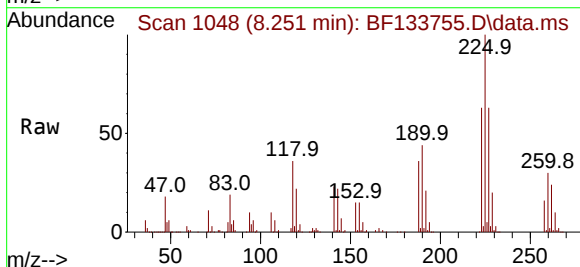
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

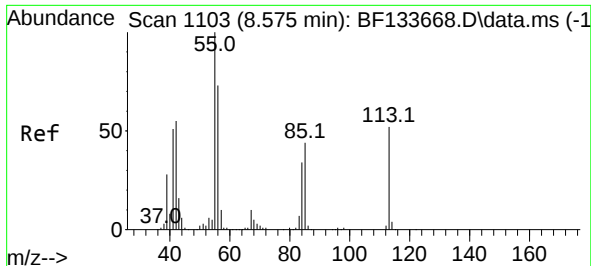
Tgt Ion:127	Resp:	69551
Ion	Ratio	Lower Upper
127	100	
129	32.2	25.6 38.4
65	32.1	28.9 43.3
92	18.3	16.6 24.8



#34
Hexachlorobutadiene
Concen: 36.346 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:225	Resp:	190058
Ion	Ratio	Lower Upper
225	100	
223	63.5	50.2 75.4
227	63.1	49.5 74.3

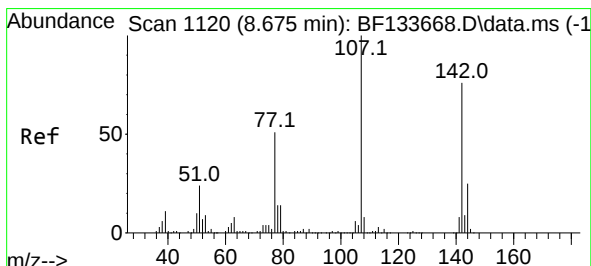
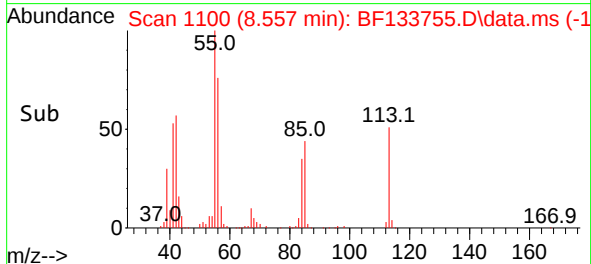
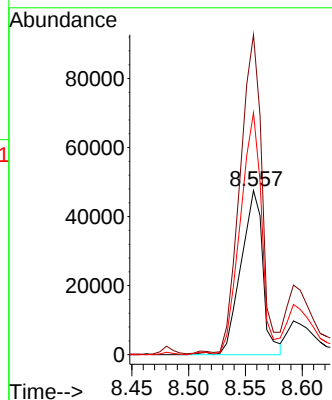
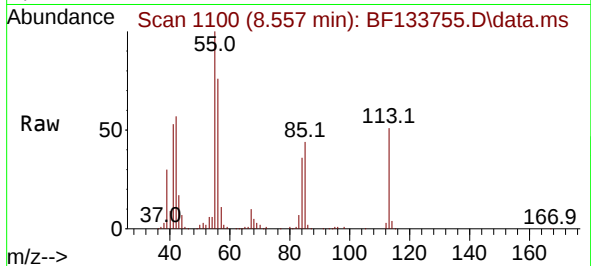




#35
 Caprolactam
 Concen: 24.796 ng
 RT: 8.557 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

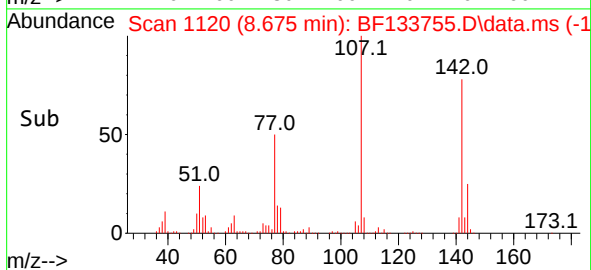
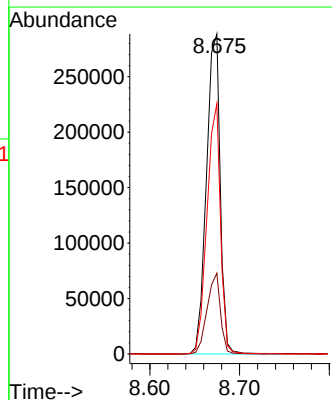
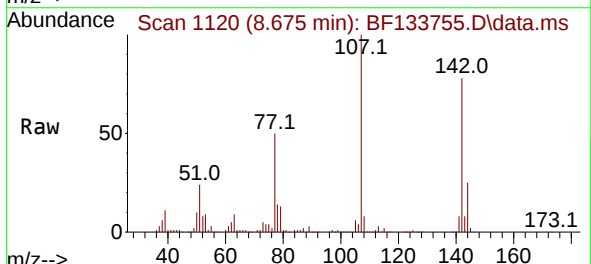
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

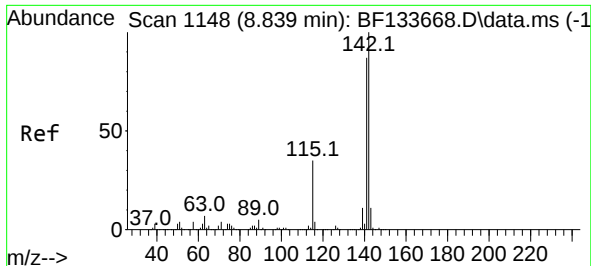
Tgt Ion:113 Resp: 63872
 Ion Ratio Lower Upper
 113 100
 55 194.9 173.3 213.3
 56 147.4 120.5 160.5



#36
 4-Chloro-3-methylphenol
 Concen: 34.845 ng
 RT: 8.675 min Scan# 1120
 Delta R.T. 0.006 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

Tgt Ion:107 Resp: 307460
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.7 29.5
 142 78.2 61.1 91.7





#37

2-Methylnaphthalene

Concen: 35.381 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

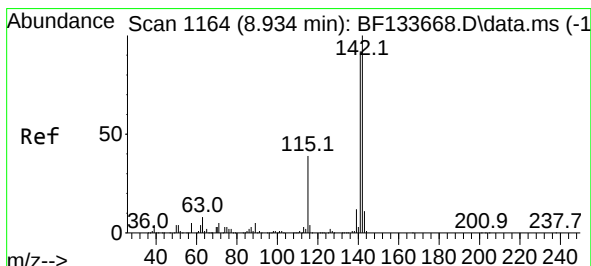
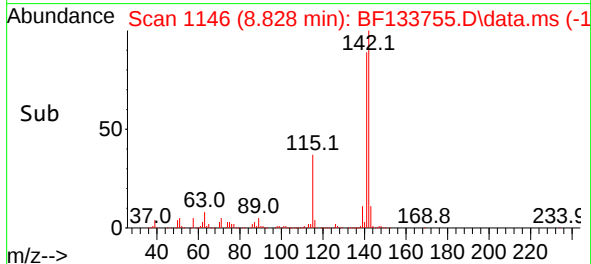
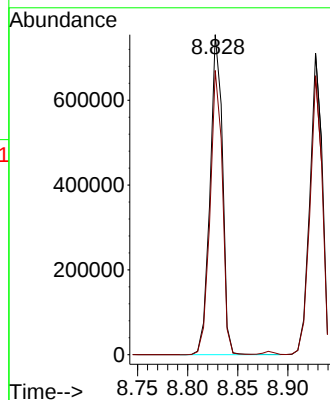
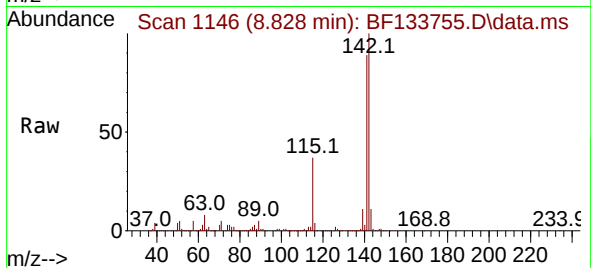
MARION-SOIL-0609MS

Tgt Ion:142 Resp: 654149

Ion Ratio Lower Upper

142 100

141 88.8 69.8 104.8



#38

1-Methylnaphthalene

Concen: 35.562 ng

RT: 8.928 min Scan# 1163

Delta R.T. -0.000 min

Lab File: BF133755.D

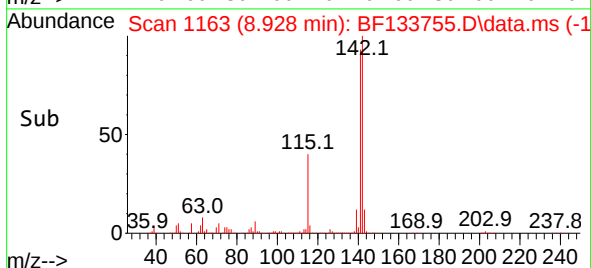
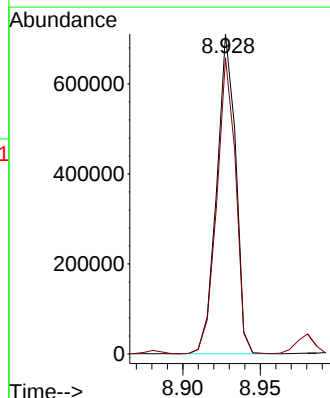
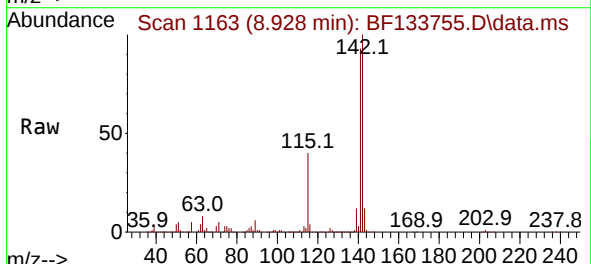
Acq: 14 Jun 2023 17:13

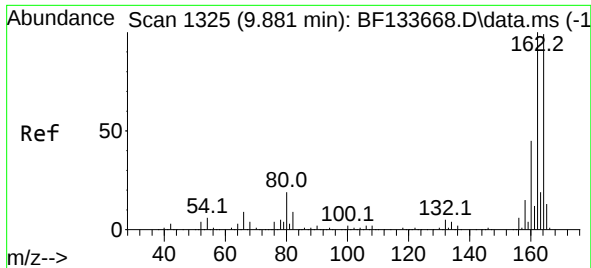
Tgt Ion:142 Resp: 605040

Ion Ratio Lower Upper

142 100

141 92.5 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

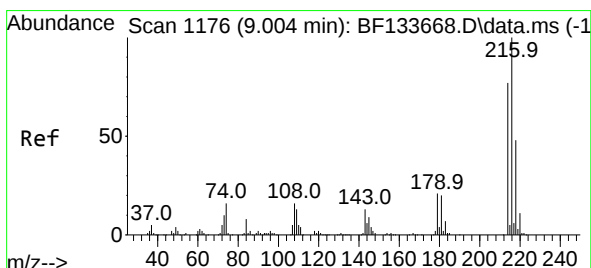
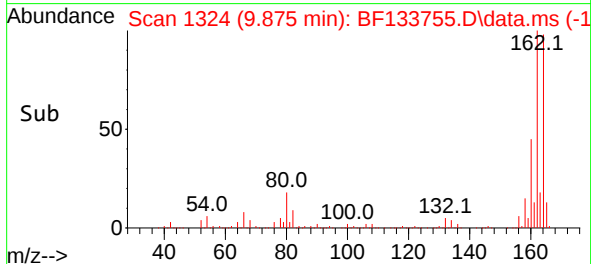
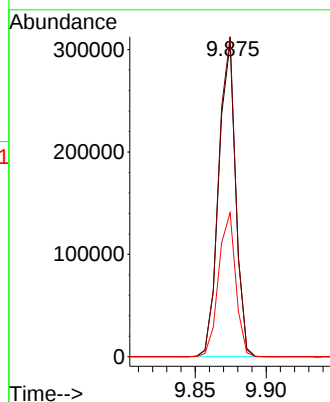
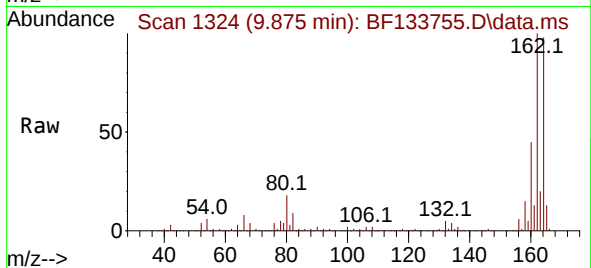
Tgt Ion:164 Resp: 253784

Ion Ratio Lower Upper

164 100

162 101.9 80.8 121.2

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.056 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Tgt Ion:216 Resp: 301325

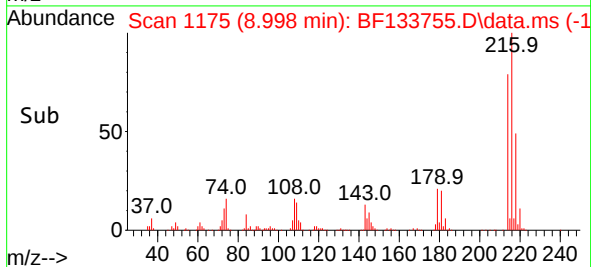
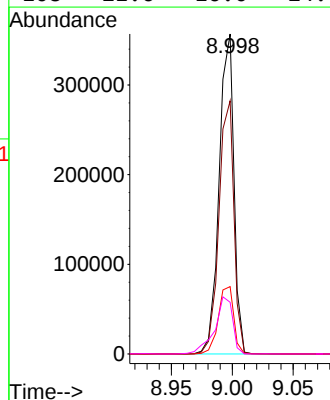
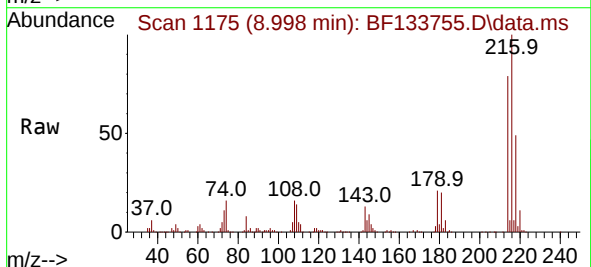
Ion Ratio Lower Upper

216 100

214 80.5 62.7 94.1

179 22.0 17.6 26.4

108 21.6 16.0 24.0

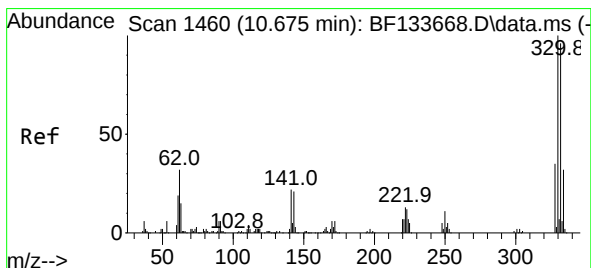
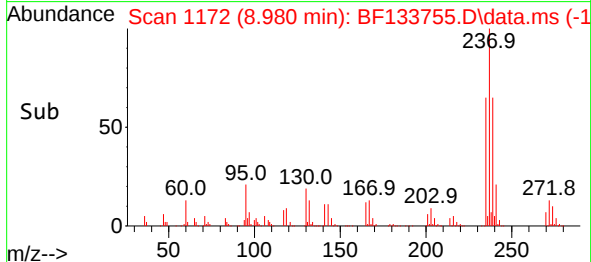
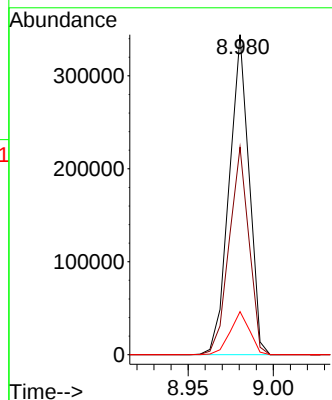
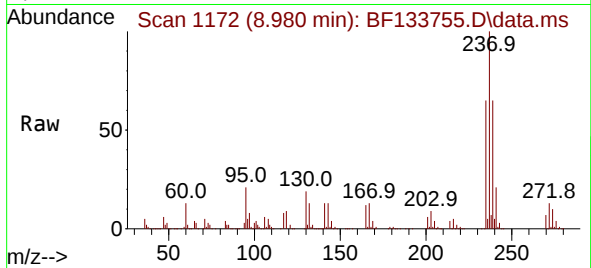




#41
Hexachlorocyclopentadiene
Concen: 80.985 ng
RT: 8.980 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

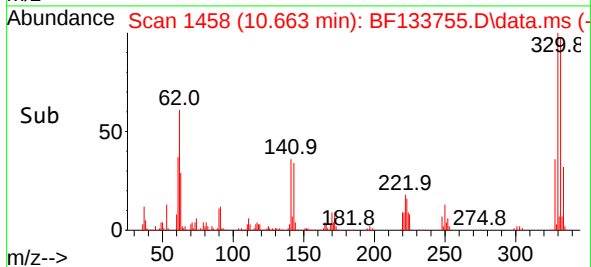
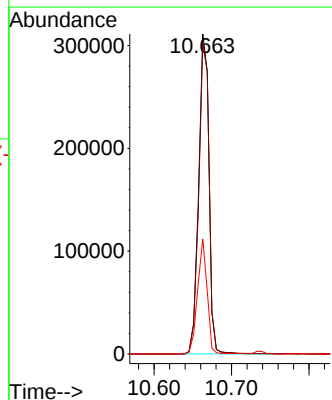
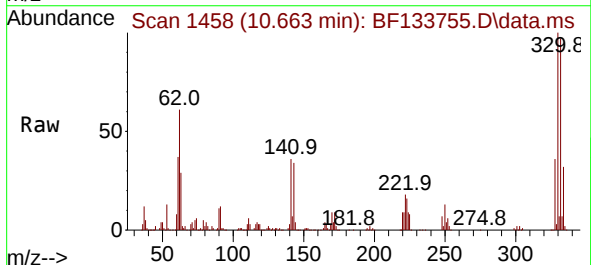
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

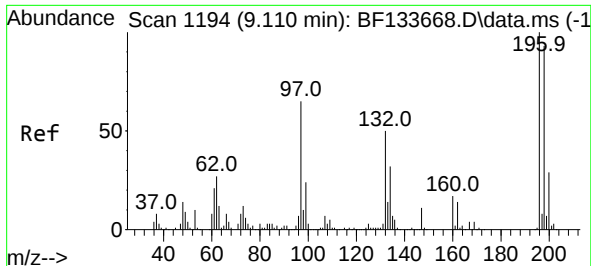
Tgt Ion:237 Resp: 278441
Ion Ratio Lower Upper
237 100
235 64.8 40.6 80.6
272 13.4 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 89.500 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:330 Resp: 287513
Ion Ratio Lower Upper
330 100
332 97.6 77.2 115.8
141 33.3 24.9 37.3

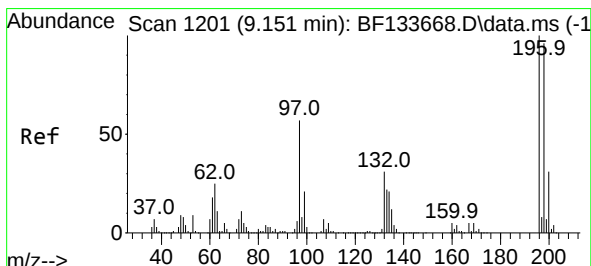
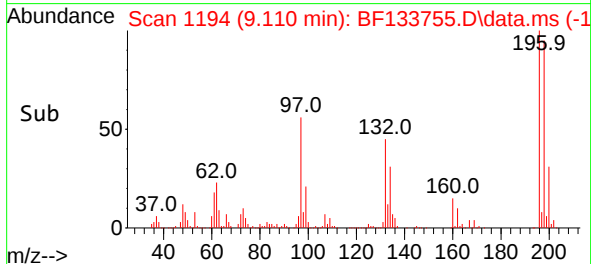
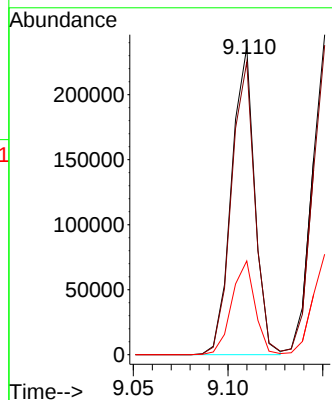
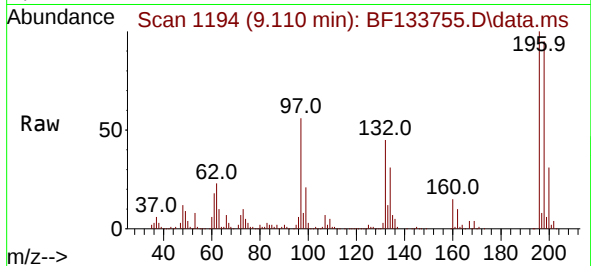




#43
2,4,6-Trichlorophenol
Concen: 39.019 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

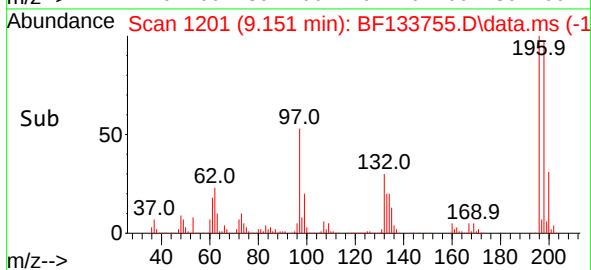
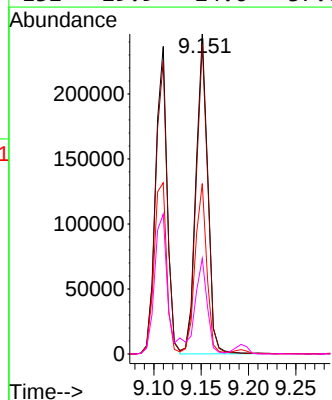
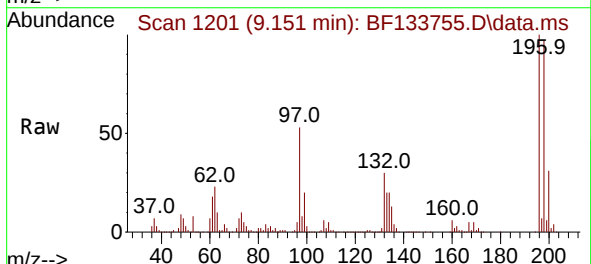
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

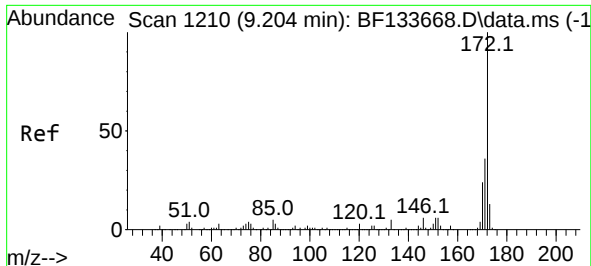
Tgt Ion:196 Resp: 201170
Ion Ratio Lower Upper
196 100
198 95.2 74.5 111.7
200 30.5 22.9 34.3



#44
2,4,5-Trichlorophenol
Concen: 35.790 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:196 Resp: 214667
Ion Ratio Lower Upper
196 100
198 96.7 76.8 115.2
97 53.3 45.4 68.2
132 29.9 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 72.104 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

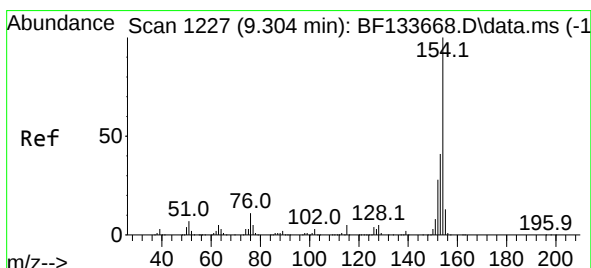
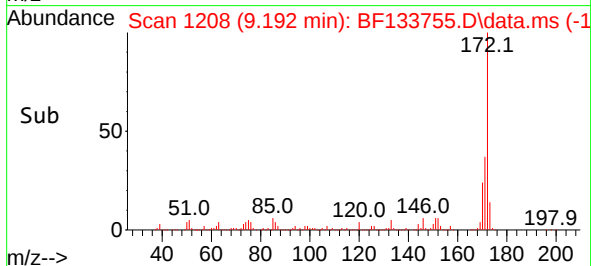
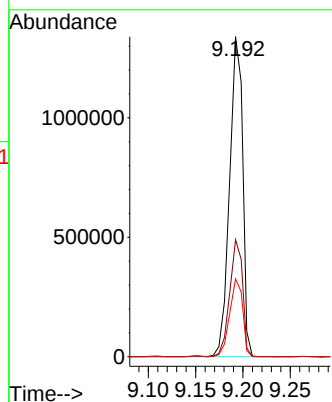
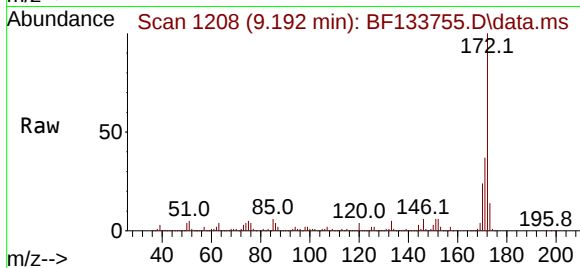
Tgt Ion:172 Resp: 1287268

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

170 24.3 19.1 28.7



#46

1,1'-Biphenyl

Concen: 38.585 ng

RT: 9.292 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

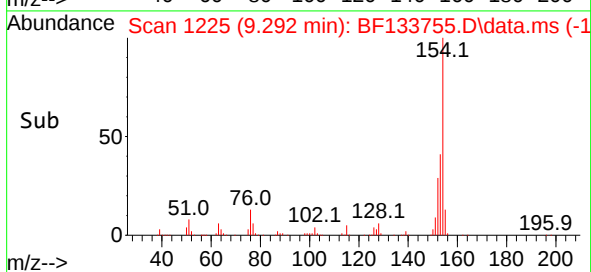
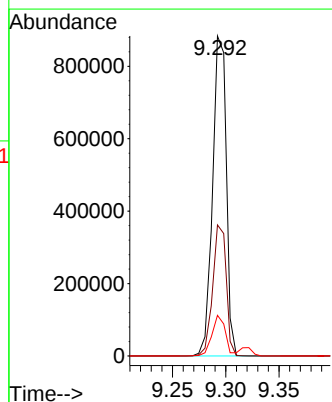
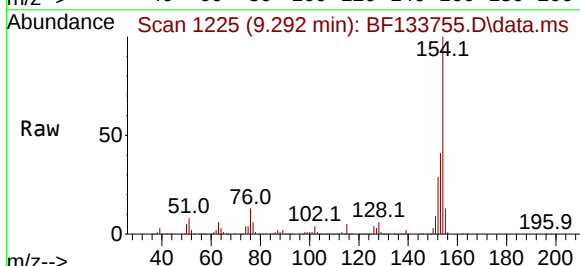
Tgt Ion:154 Resp: 789762

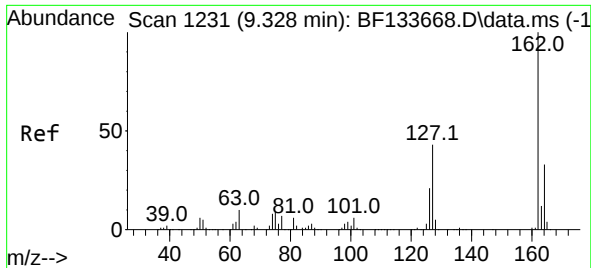
Ion Ratio Lower Upper

154 100

153 41.0 20.6 60.6

76 12.7 0.0 31.0





#47

2-Chloronaphthalene

Concen: 38.746 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

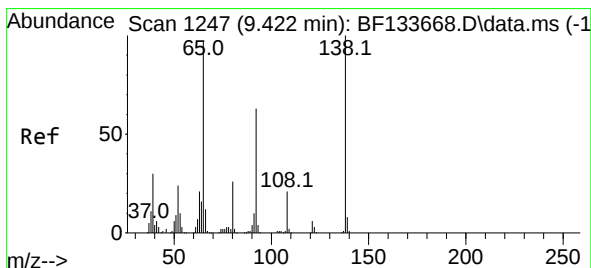
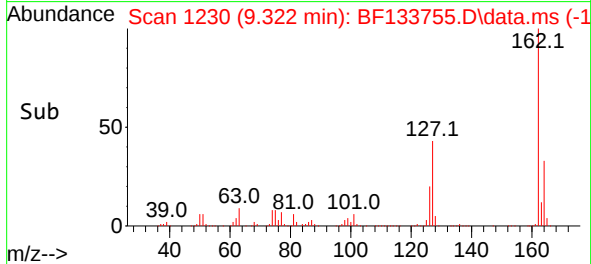
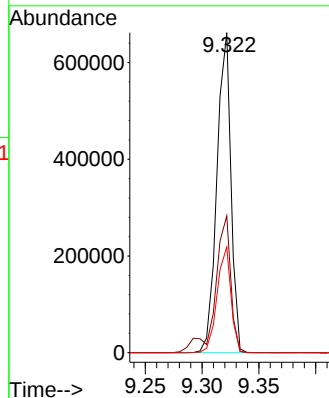
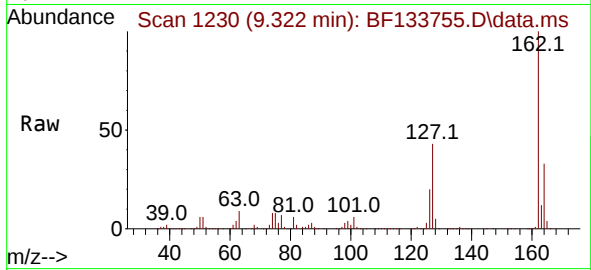
Tgt Ion:162 Resp: 568866

Ion Ratio Lower Upper

162 100

127 42.8 34.6 52.0

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 36.808 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

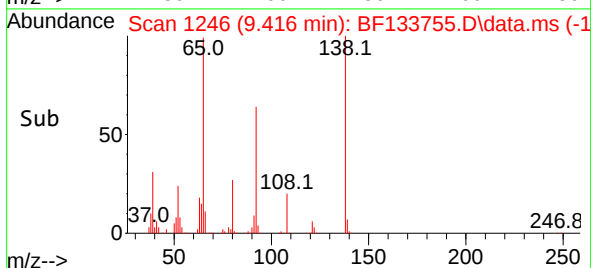
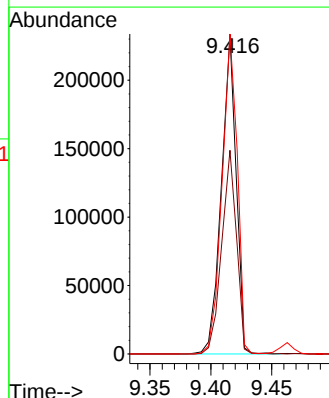
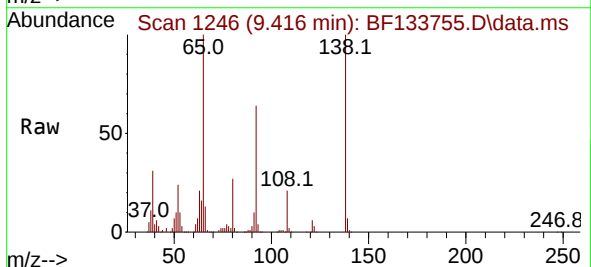
Tgt Ion: 65 Resp: 197646

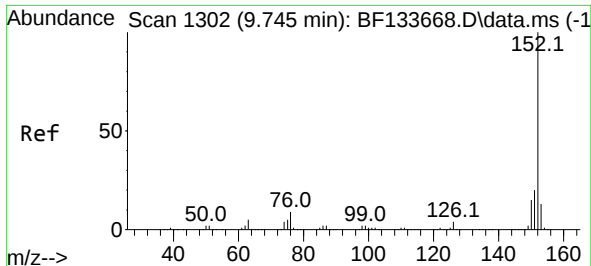
Ion Ratio Lower Upper

65 100

92 63.8 51.8 77.6

138 100.2 82.1 123.1





#49

Acenaphthylene

Concen: 37.255 ng

RT: 9.733 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

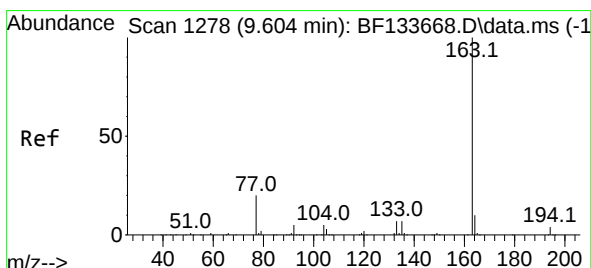
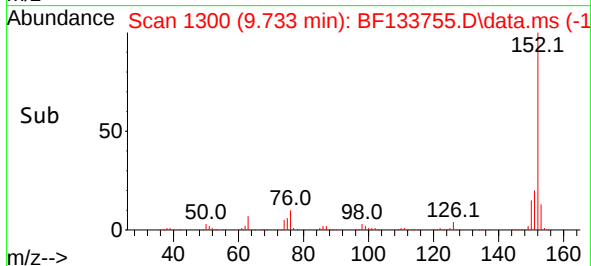
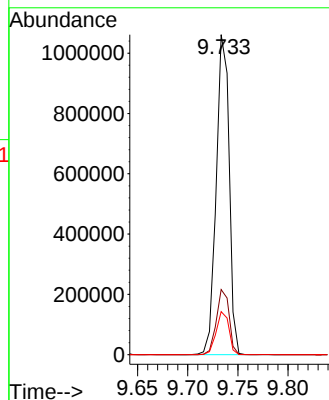
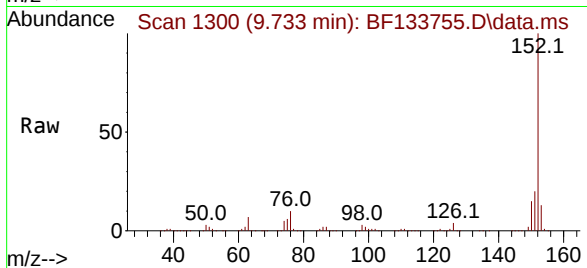
Tgt Ion:152 Resp: 952028

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.5 10.4 15.6



#50

Dimethylphthalate

Concen: 37.087 ng

RT: 9.598 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

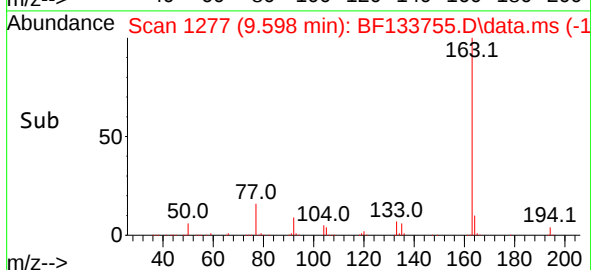
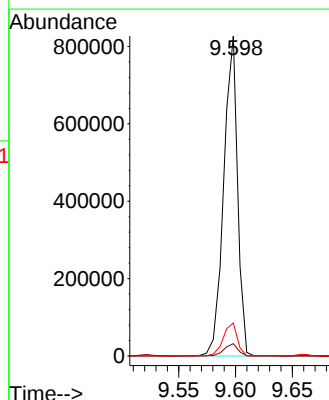
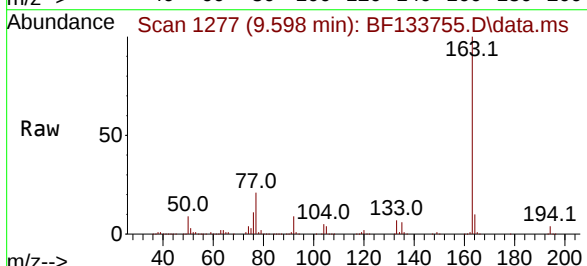
Tgt Ion:163 Resp: 702534

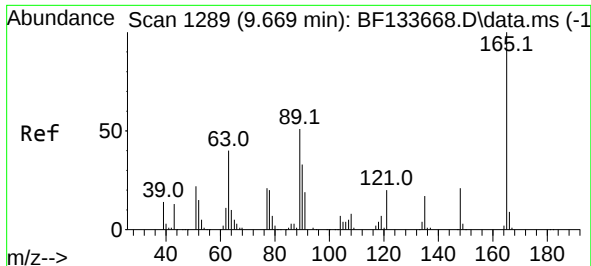
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.3 8.0 12.0

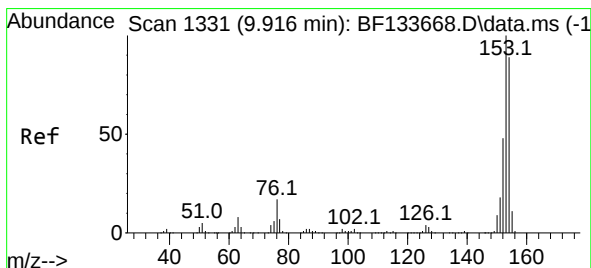
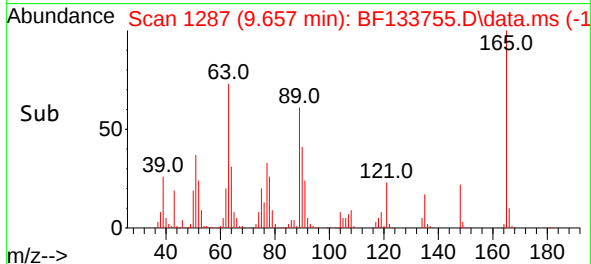
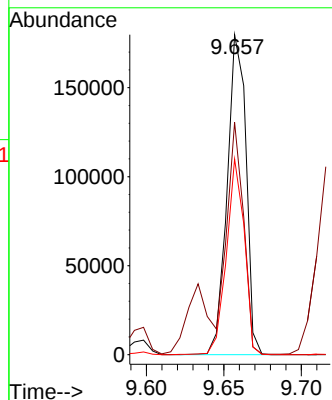
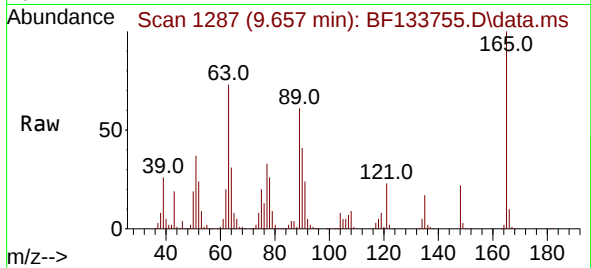




#51
2,6-Dinitrotoluene
Concen: 38.883 ng
RT: 9.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

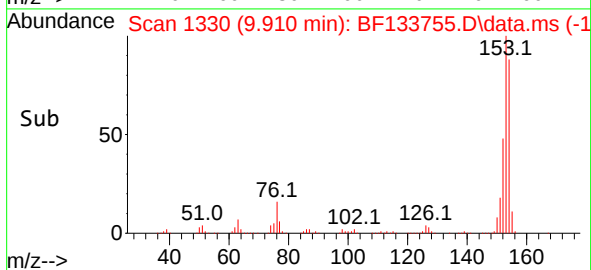
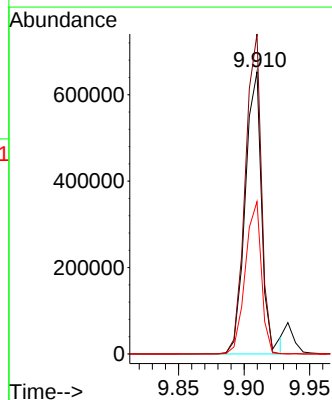
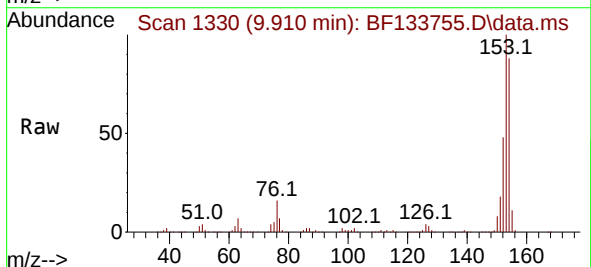
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

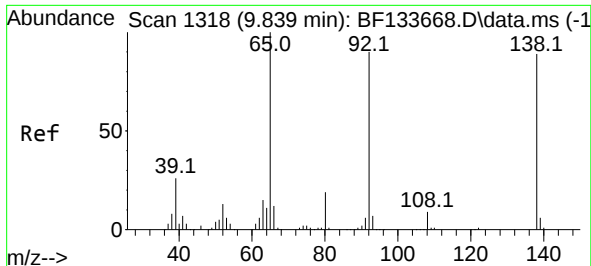
Tgt Ion:165 Resp: 152031
Ion Ratio Lower Upper
165 100
63 72.6 42.1 63.1#
89 61.2 40.9 61.3



#52
Acenaphthene
Concen: 38.484 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:154 Resp: 575633
Ion Ratio Lower Upper
154 100
153 113.4 89.8 134.8
152 54.0 43.4 65.2

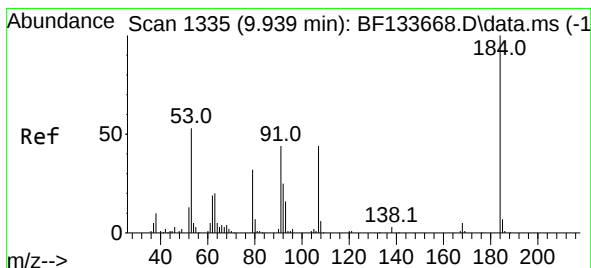
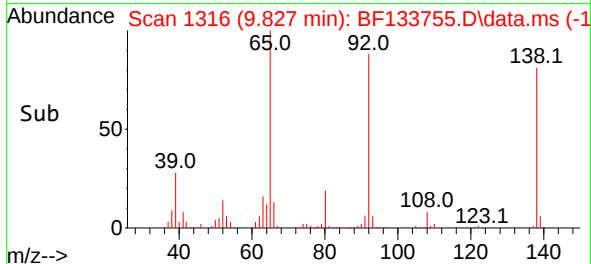
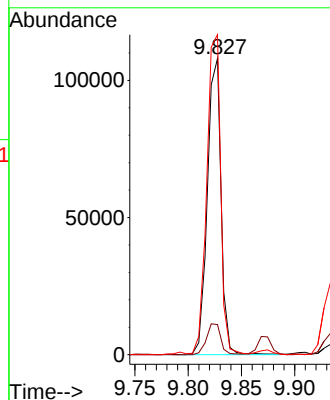
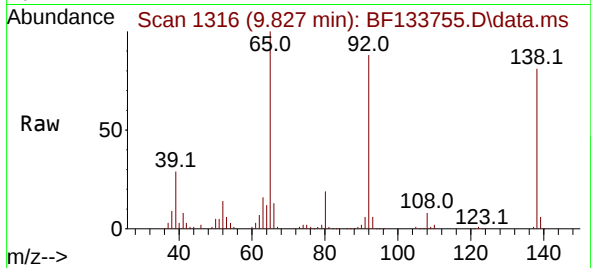




#53
3-Nitroaniline
Concen: 20.396 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

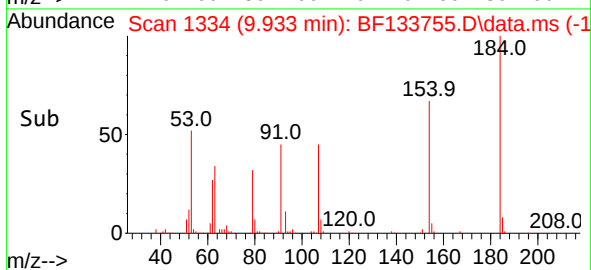
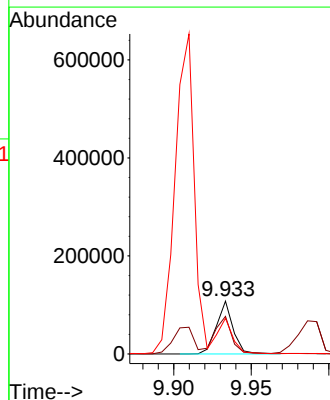
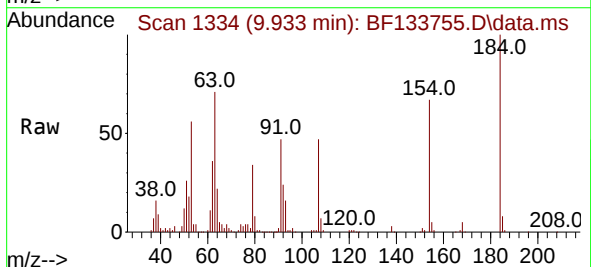
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

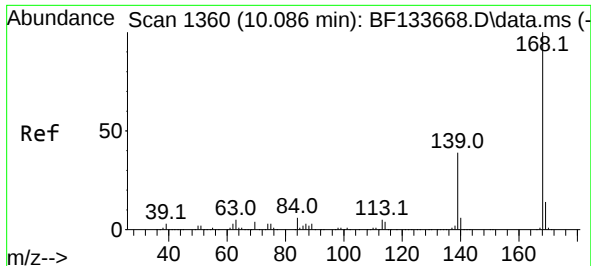
Tgt Ion:138 Resp: 97048
Ion Ratio Lower Upper
138 100
108 10.2 8.2 12.4
92 108.1 81.0 121.6



#54
2,4-Dinitrophenol
Concen: 44.868 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:184 Resp: 80563
Ion Ratio Lower Upper
184 100
63 71.2 55.3 82.9
154 67.4 51.9 77.9

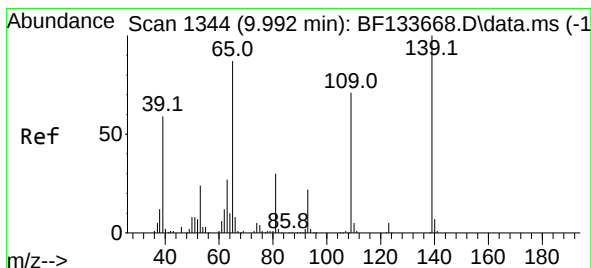
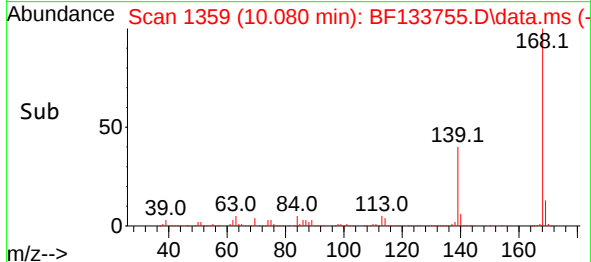
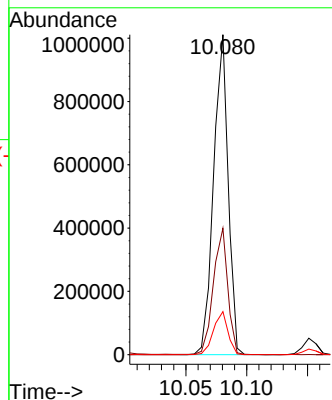
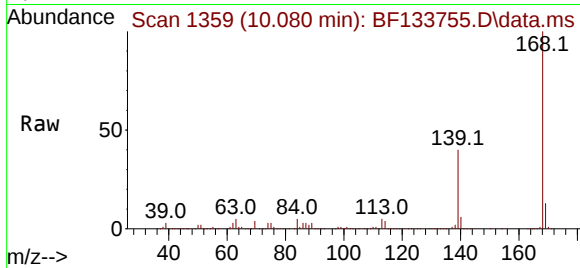




#55
Dibenzofuran
Concen: 36.725 ng
RT: 10.080 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

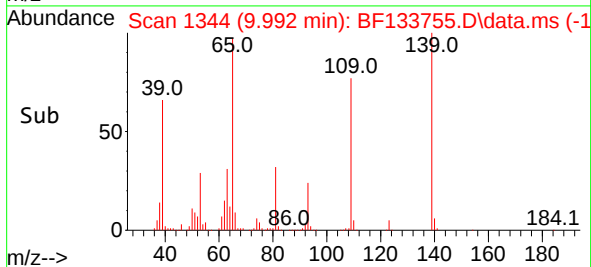
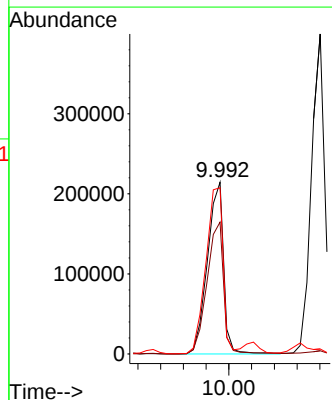
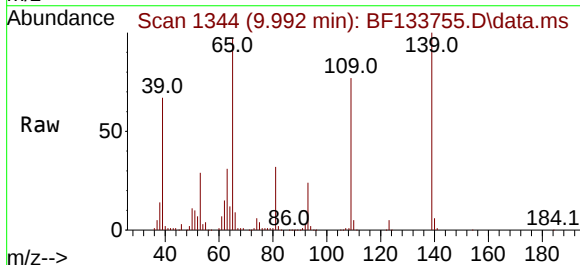
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

Tgt Ion:168 Resp: 838201
Ion Ratio Lower Upper
168 100
139 39.5 30.9 46.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 65.999 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

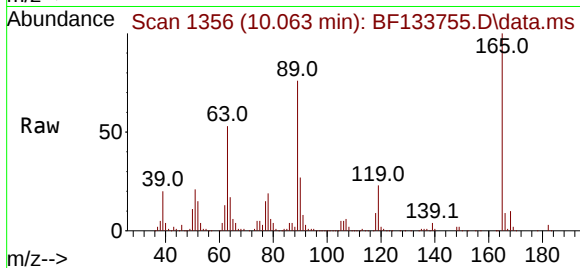
Tgt Ion:139 Resp: 211942
Ion Ratio Lower Upper
139 100
109 76.8 50.7 90.7
65 96.8 67.1 107.1



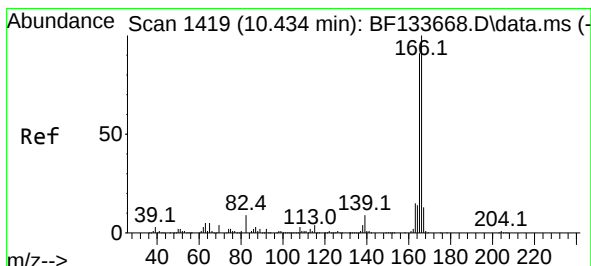
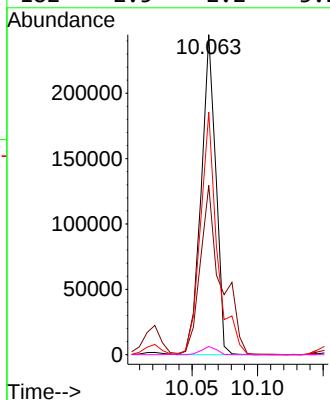
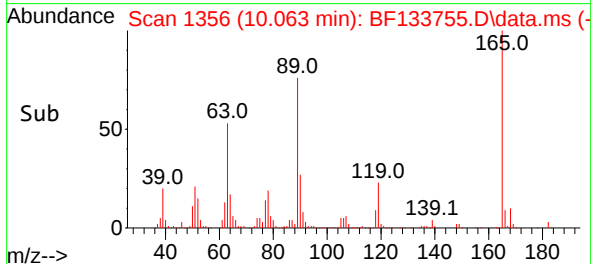


#57
2,4-Dinitrotoluene
Concen: 38.550 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

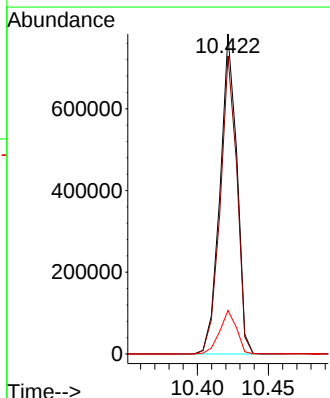
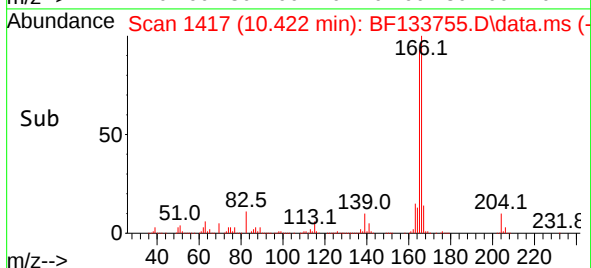
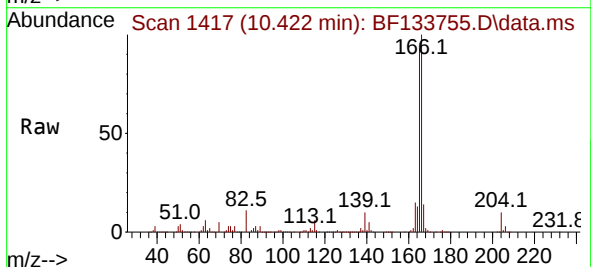


Tgt Ion:165 Resp: 191699
Ion Ratio Lower Upper
165 100
63 52.9 43.0 64.6
89 75.8 62.6 93.8
182 2.5 2.2 3.2



#58
Fluorene
Concen: 36.799 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:166 Resp: 642301
Ion Ratio Lower Upper
166 100
165 93.2 73.1 109.7
167 13.6 10.5 15.7

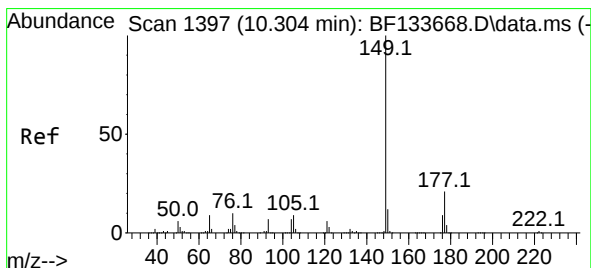
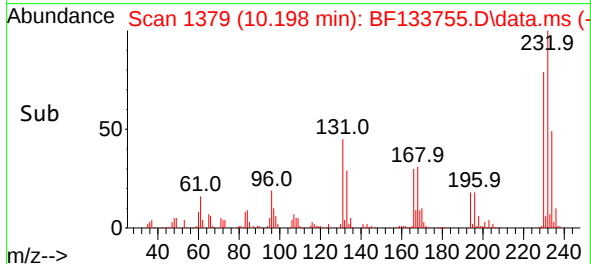
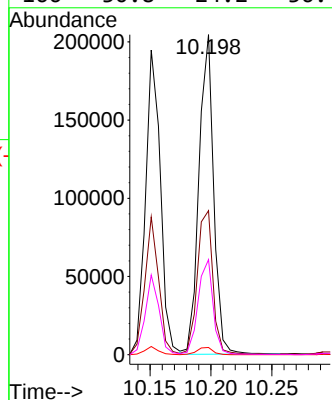
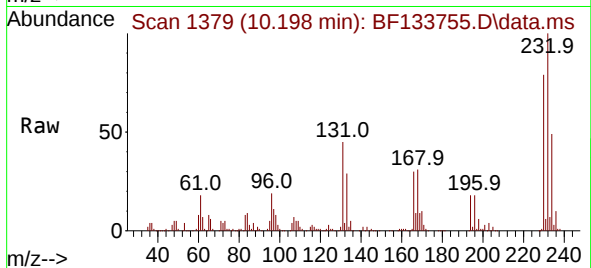




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.114 ng
RT: 10.198 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

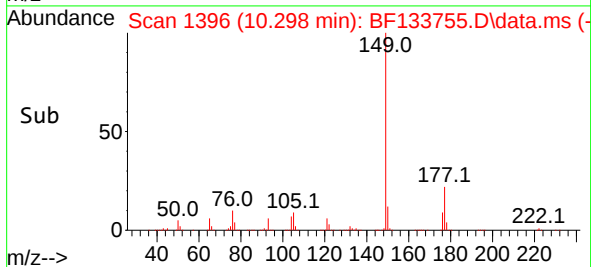
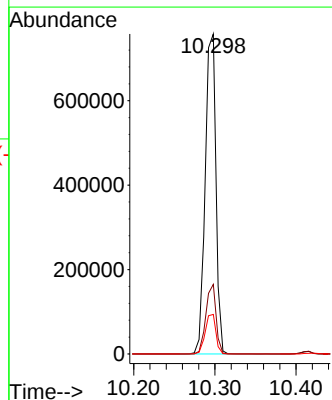
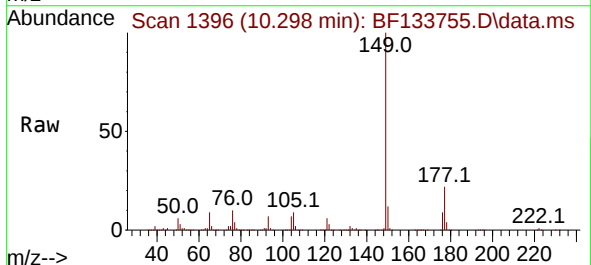
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

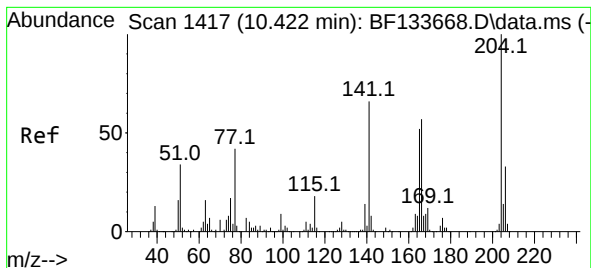
Tgt Ion:232 Resp: 171154
Ion Ratio Lower Upper
232 100
131 47.9 38.0 57.0
130 2.5 1.8 2.8
166 30.8 24.2 36.4



#60
Diethylphthalate
Concen: 36.072 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:149 Resp: 695438
Ion Ratio Lower Upper
149 100
177 21.7 17.0 25.6
150 12.3 10.0 15.0

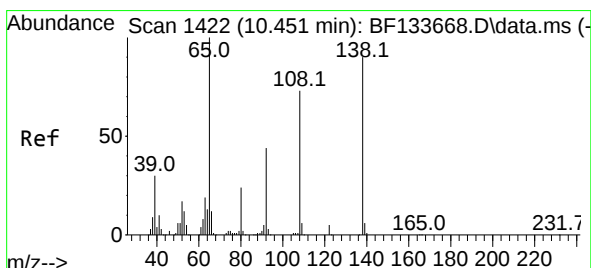
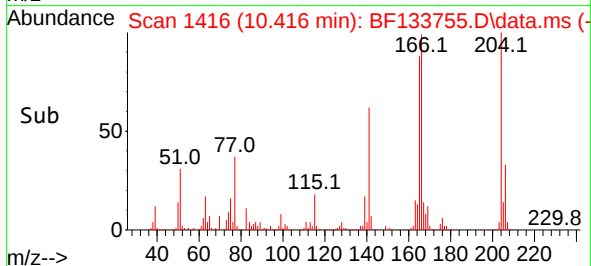
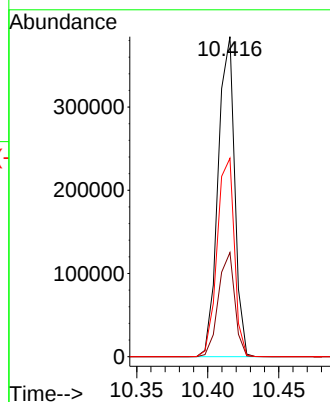
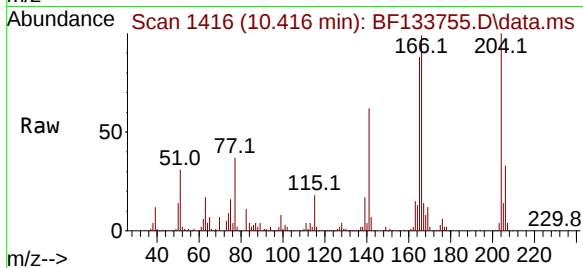




#61
4-Chlorophenyl-phenylether
Concen: 36.270 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

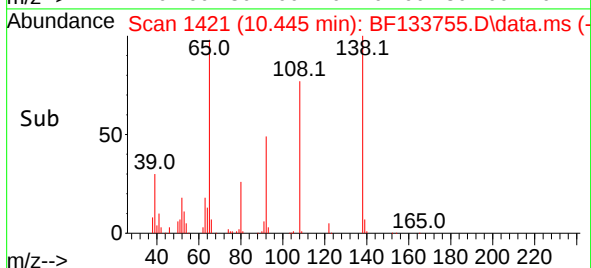
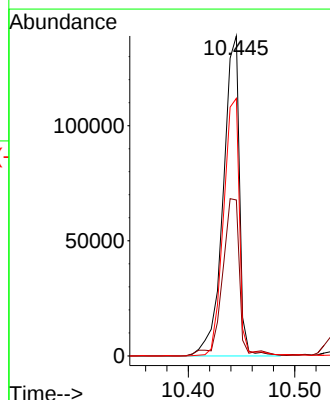
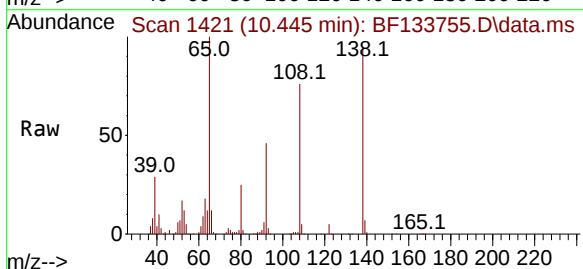
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

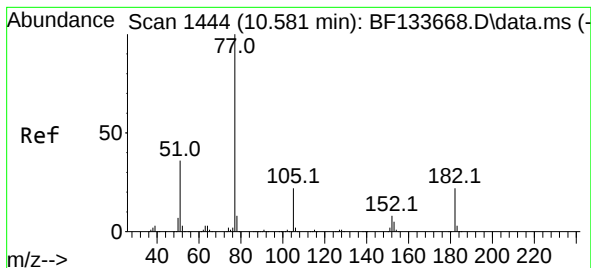
Tgt Ion:204 Resp: 312528
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 62.0 52.8 79.2



#62
4-Nitroaniline
Concen: 31.519 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:138 Resp: 147045
Ion Ratio Lower Upper
138 100
92 48.7 28.9 68.9
108 80.5 61.0 101.0





#63

Azobenzene

Concen: 35.691 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF133755.D

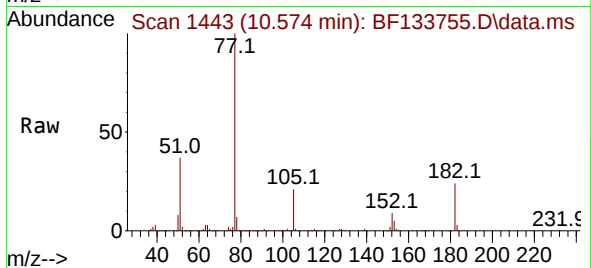
Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS



Tgt Ion: 77 Resp: 651409

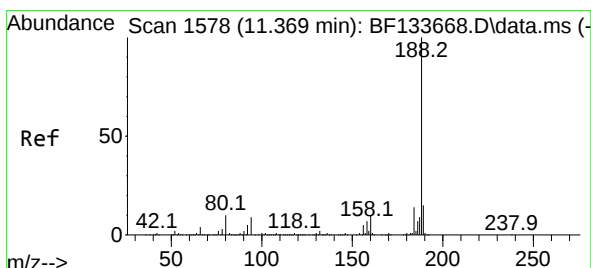
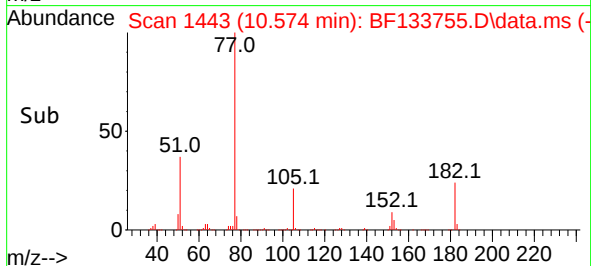
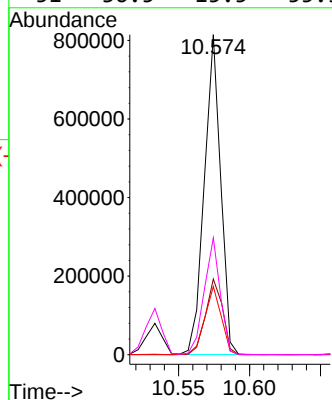
Ion Ratio Lower Upper

77 100

182 23.7 1.6 41.6

105 21.3 1.6 41.6

51 36.5 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

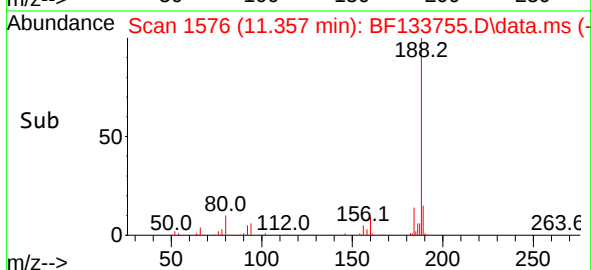
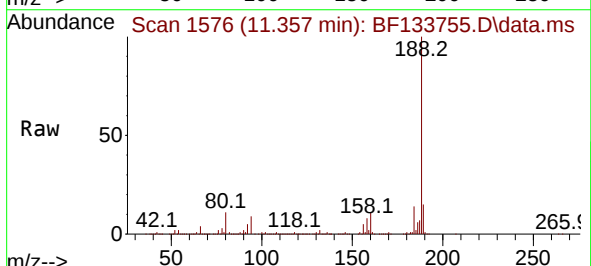
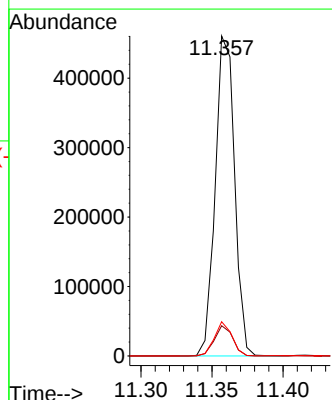
Tgt Ion: 188 Resp: 436723

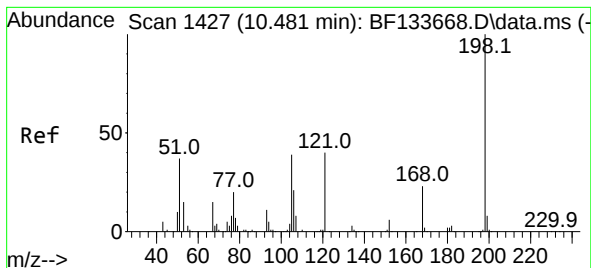
Ion Ratio Lower Upper

188 100

94 9.5 6.8 10.2

80 10.7 7.8 11.6

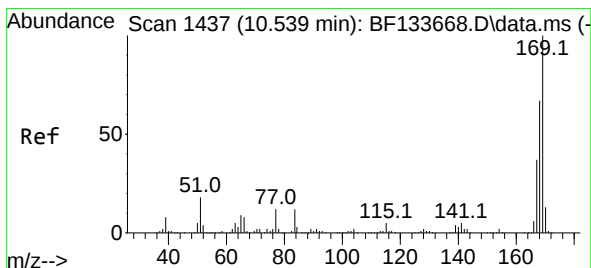
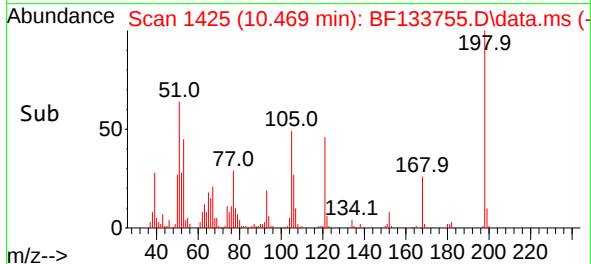
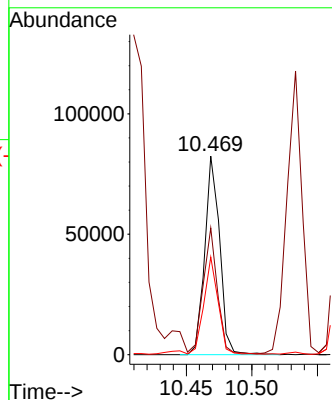
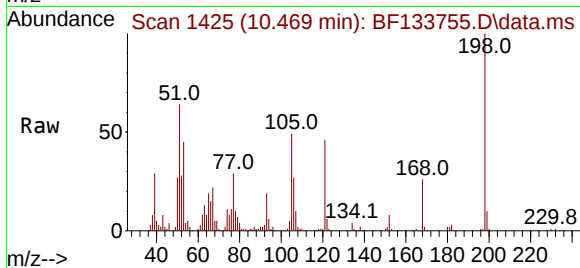




#65
4,6-Dinitro-2-methylphenol
Concen: 31.502 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

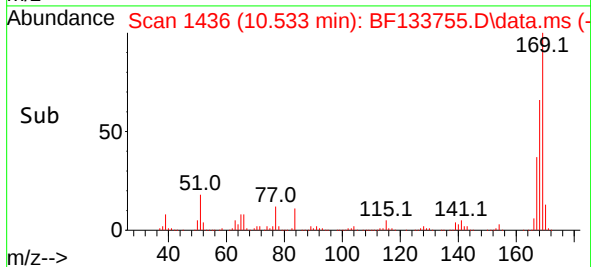
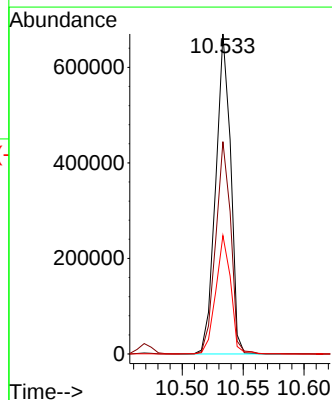
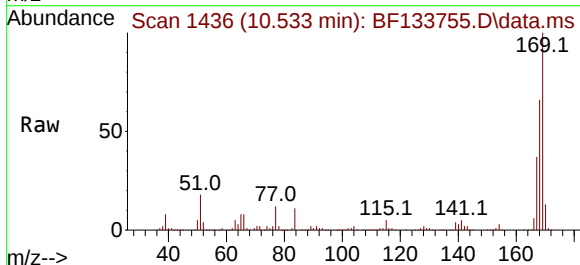
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

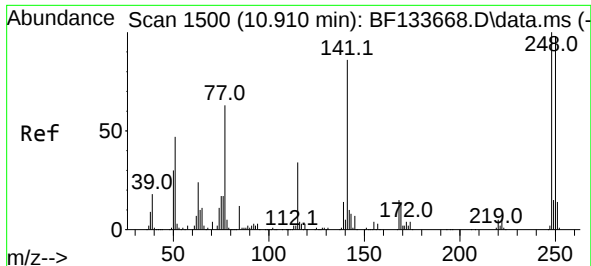
Tgt Ion:198 Resp: 65741
Ion Ratio Lower Upper
198 100
51 63.8 27.5 67.5
105 49.2 21.0 61.0



#66
n-Nitrosodiphenylamine
Concen: 38.863 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:169 Resp: 570104
Ion Ratio Lower Upper
169 100
168 66.3 53.7 80.5
167 37.0 29.8 44.8

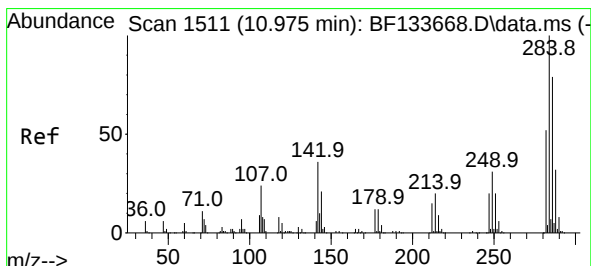
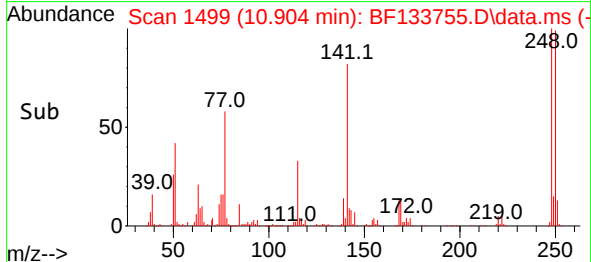
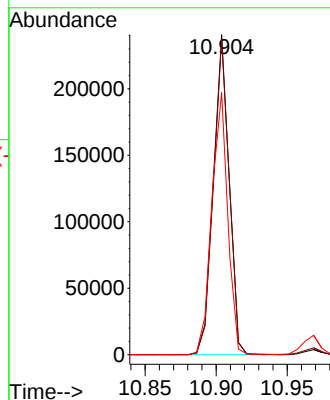
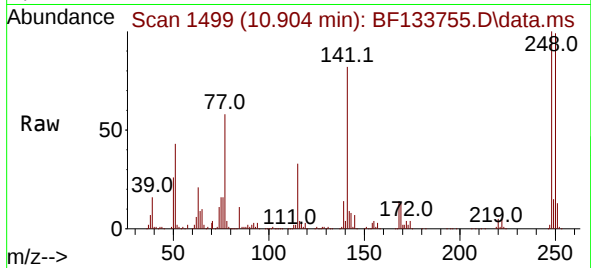




#67
4-Bromophenyl-phenylether
Concen: 38.238 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

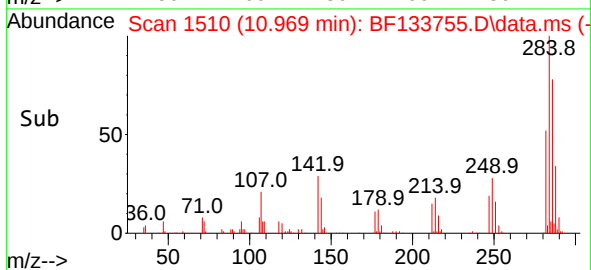
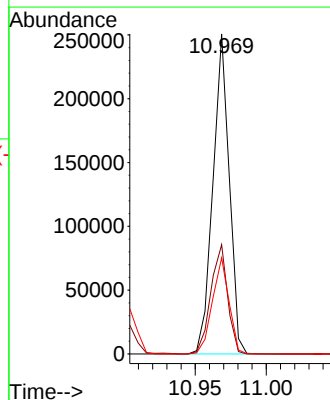
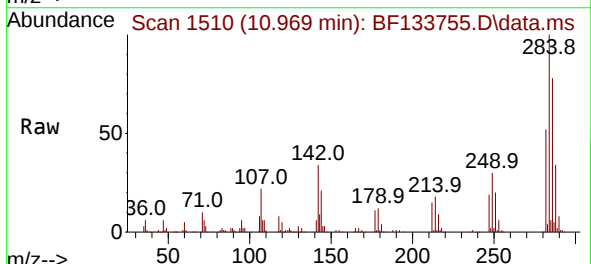
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

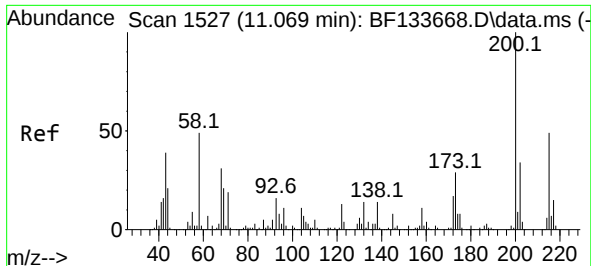
Tgt Ion:248 Resp: 186386
Ion Ratio Lower Upper
248 100
250 98.6 78.3 117.5
141 81.9 69.0 103.6



#68
Hexachlorobenzene
Concen: 39.114 ng
RT: 10.969 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:284 Resp: 200493
Ion Ratio Lower Upper
284 100
142 34.1 28.6 42.8
249 30.0 24.6 36.8

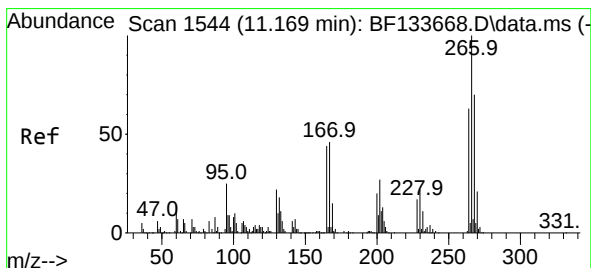
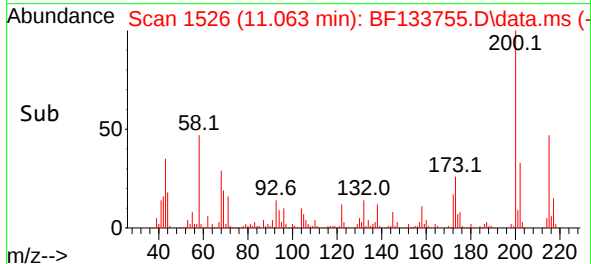
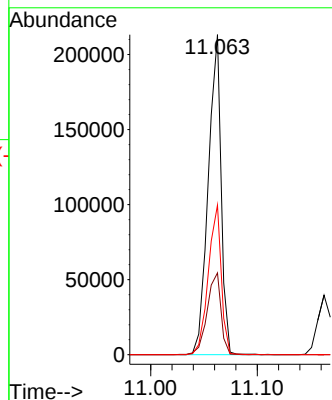
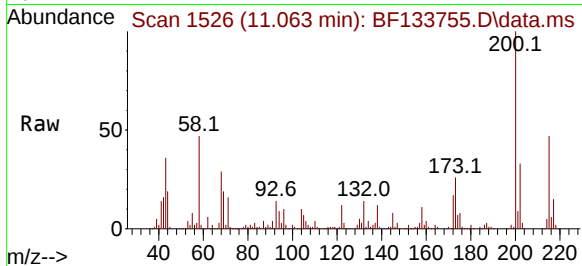




#69
 Atrazine
 Concen: 42.159 ng
 RT: 11.063 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

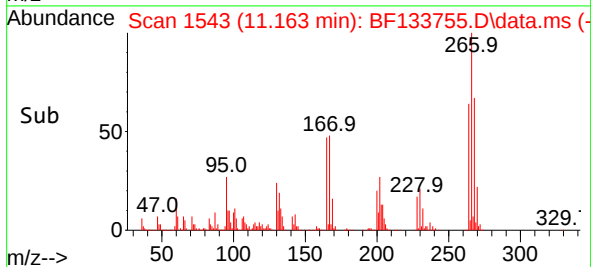
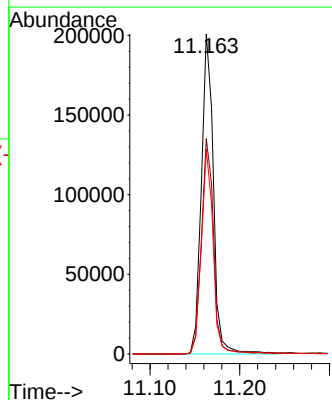
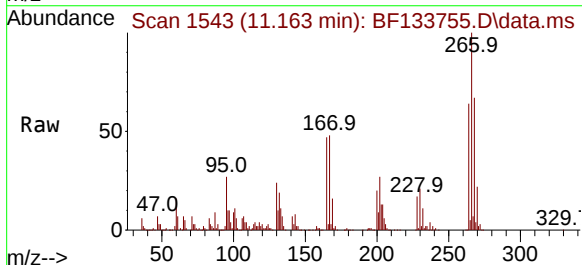
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

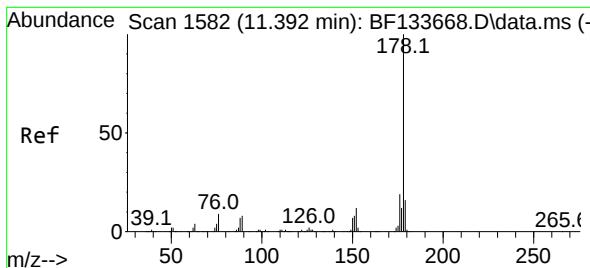
Tgt Ion:200 Resp: 179445
 Ion Ratio Lower Upper
 200 100
 173 25.5 8.7 48.7
 215 46.8 29.0 69.0



#70
 Pentachlorophenol
 Concen: 60.946 ng
 RT: 11.163 min Scan# 1543
 Delta R.T. -0.000 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

Tgt Ion:266 Resp: 187066
 Ion Ratio Lower Upper
 266 100
 268 67.3 55.7 83.5
 264 63.9 50.7 76.1





#71

Phenanthrene

Concen: 36.731 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

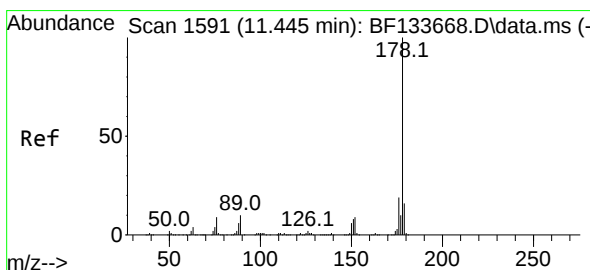
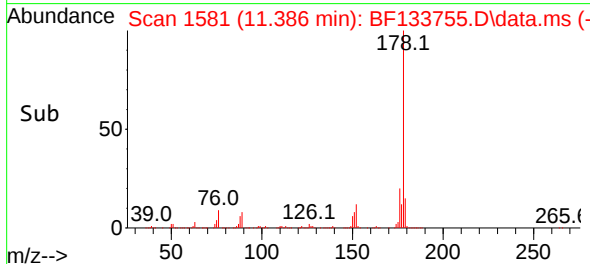
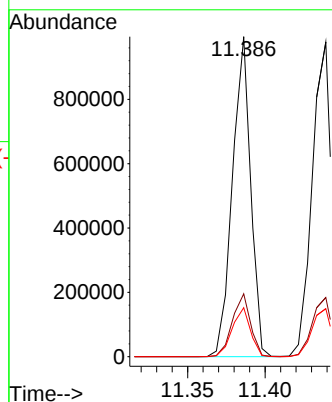
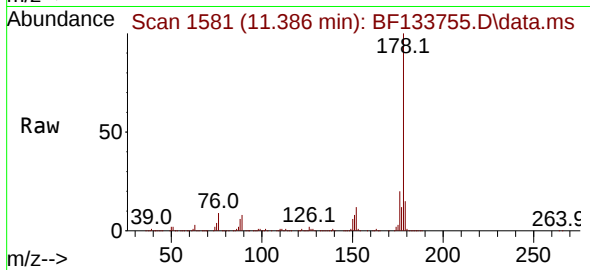
Tgt Ion:178 Resp: 813861

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.3 12.4 18.6



#72

Anthracene

Concen: 36.742 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

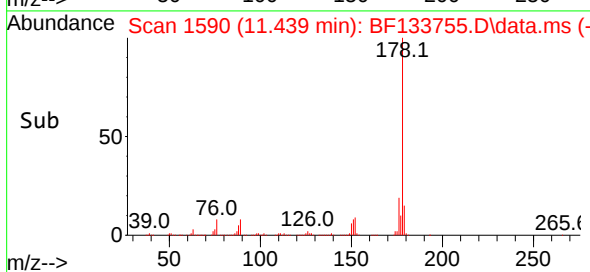
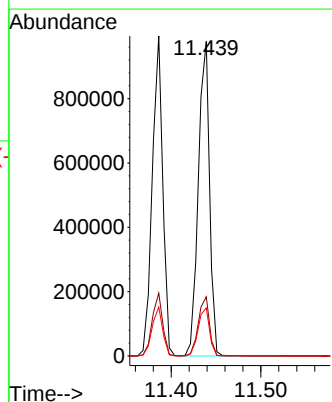
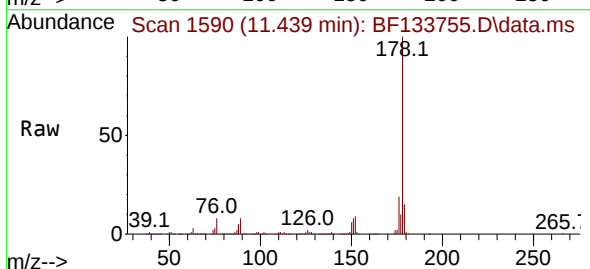
Tgt Ion:178 Resp: 848850

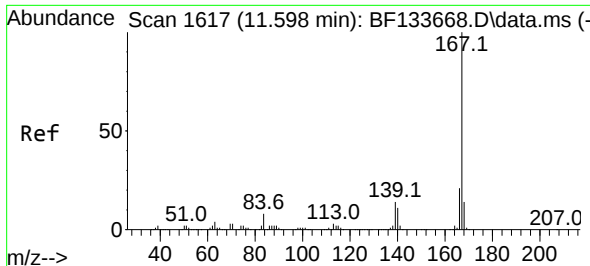
Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.3 12.6 18.8

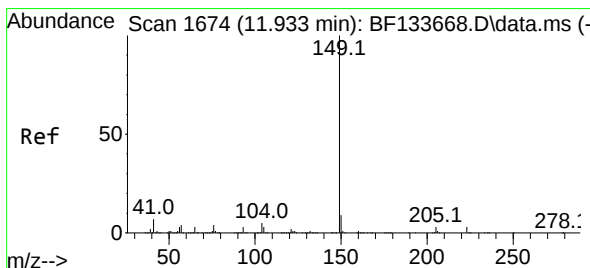
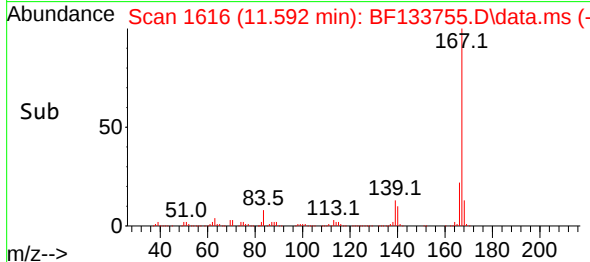
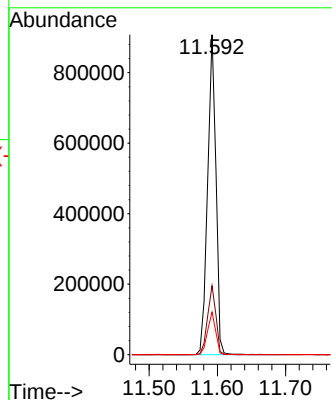
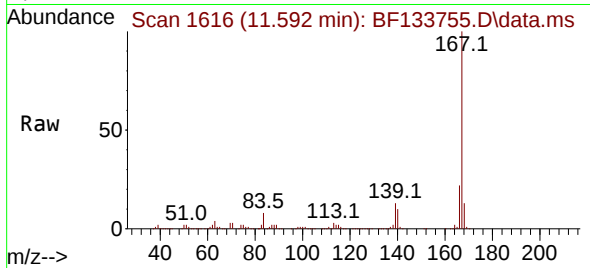




#73
 Carbazole
 Concen: 35.743 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

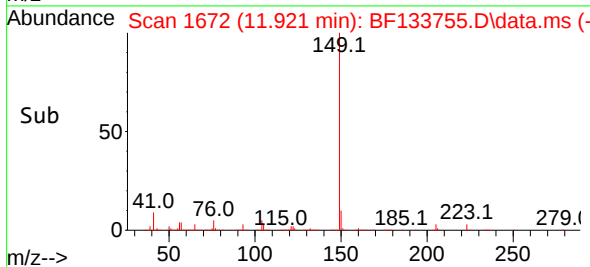
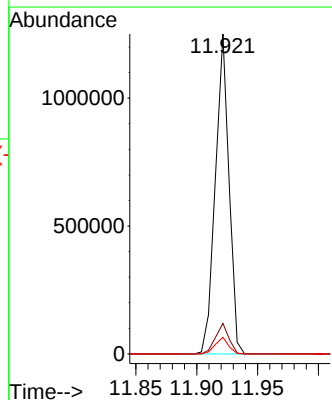
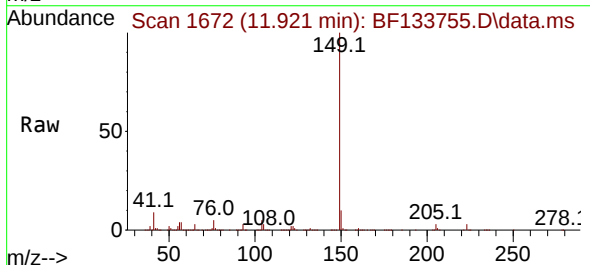
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

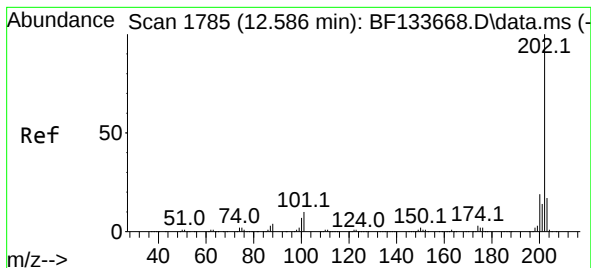
Tgt Ion:167 Resp: 769088
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.3 11.2 16.8



#74
 Di-n-butylphthalate
 Concen: 35.526 ng
 RT: 11.921 min Scan# 1672
 Delta R.T. -0.000 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

Tgt Ion:149 Resp: 979990
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.4 11.0
 104 5.2 3.8 5.8





#75

Fluoranthene

Concen: 33.174 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

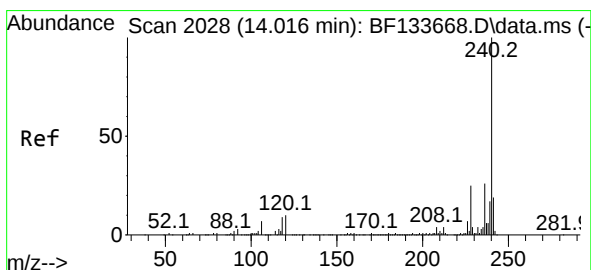
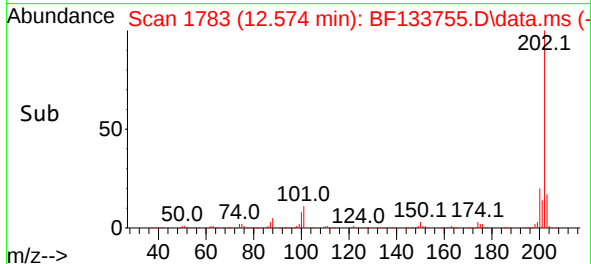
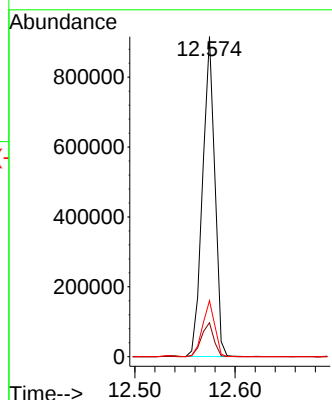
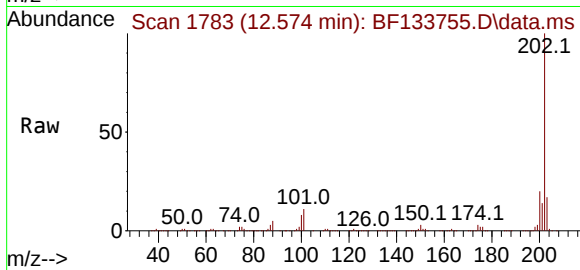
Tgt Ion:202 Resp: 780555

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.6

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

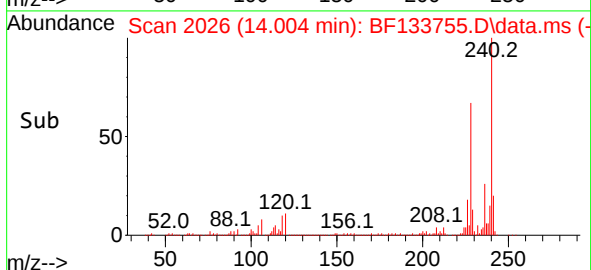
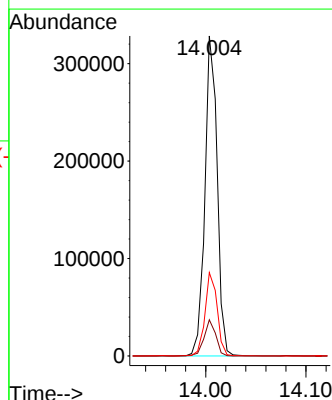
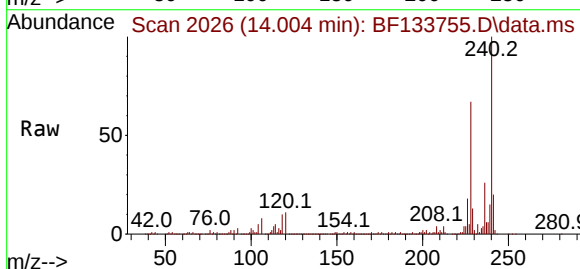
Tgt Ion:240 Resp: 280396

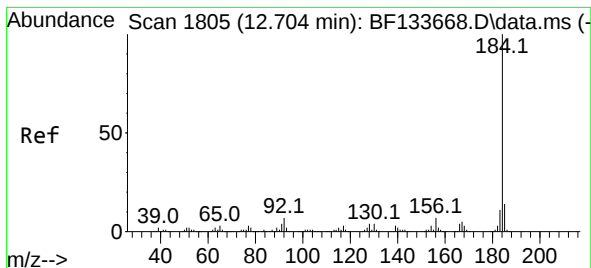
Ion Ratio Lower Upper

240 100

120 11.3 8.1 12.1

236 26.1 20.5 30.7





#77

Benzidine

Concen: 19.302 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

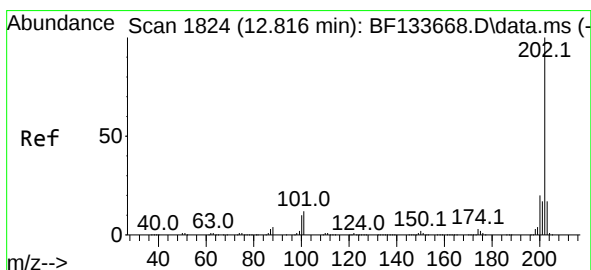
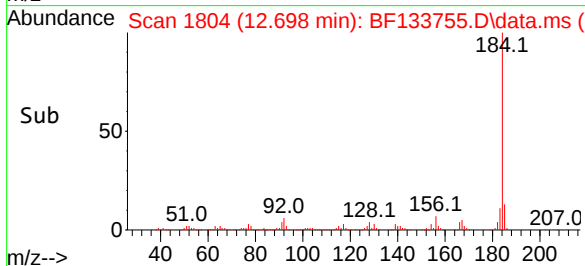
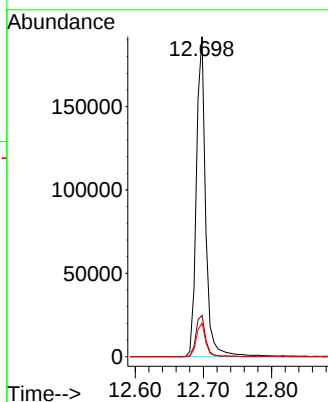
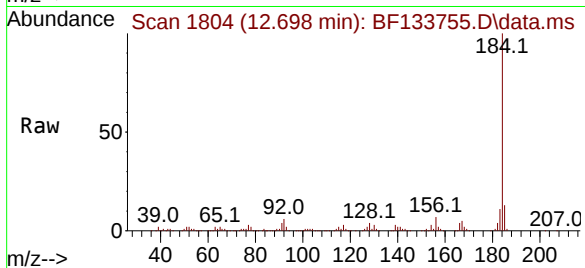
Tgt Ion:184 Resp: 181616

Ion Ratio Lower Upper

184 100

185 12.9 11.6 17.4

183 10.6 8.4 12.6



#78

Pyrene

Concen: 29.918 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

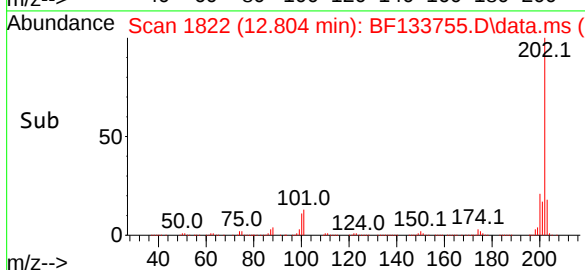
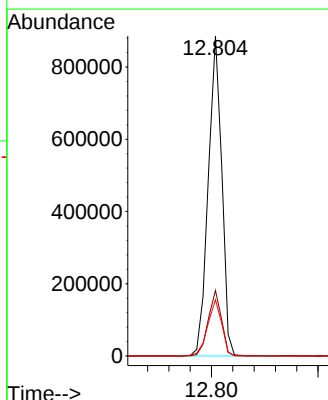
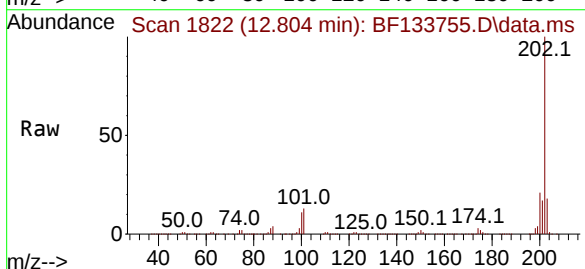
Tgt Ion:202 Resp: 781454

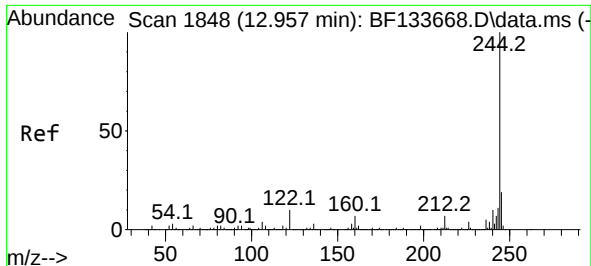
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 17.6 13.9 20.9

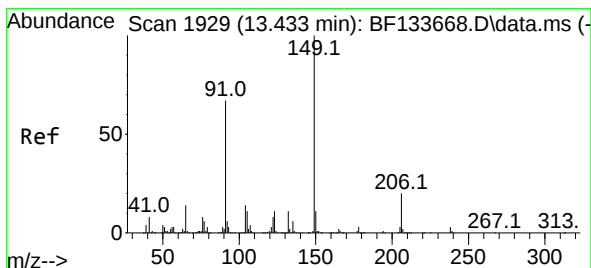
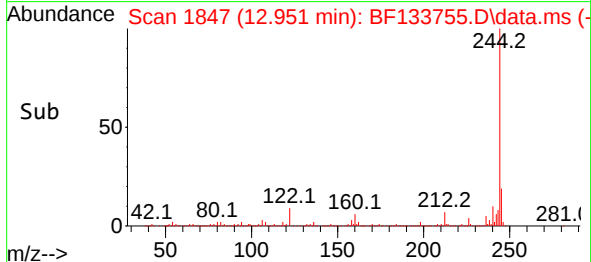
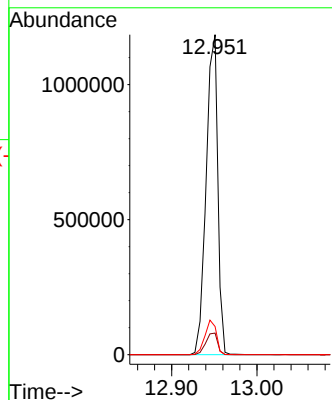
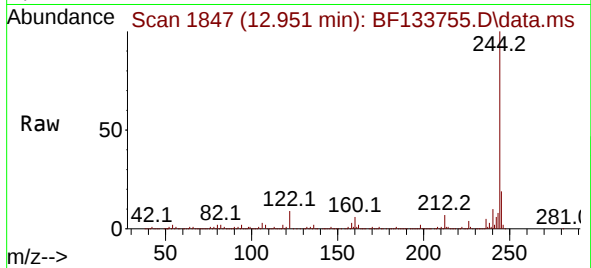




#79
 Terphenyl-d14
 Concen: 61.813 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

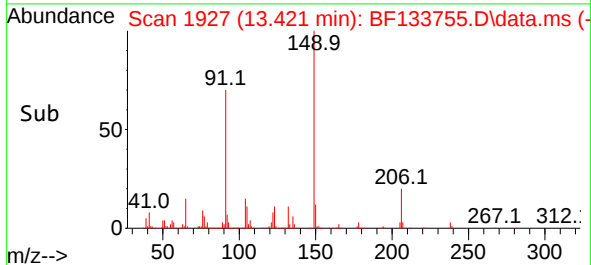
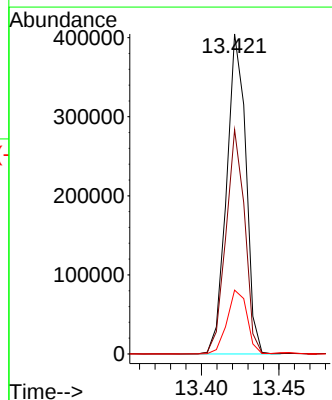
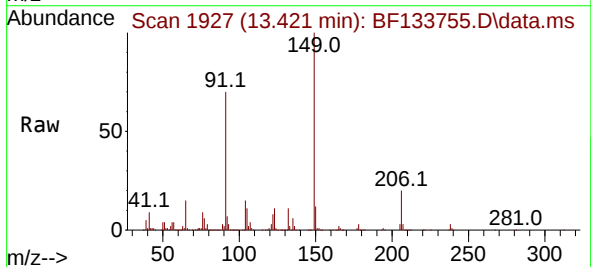
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

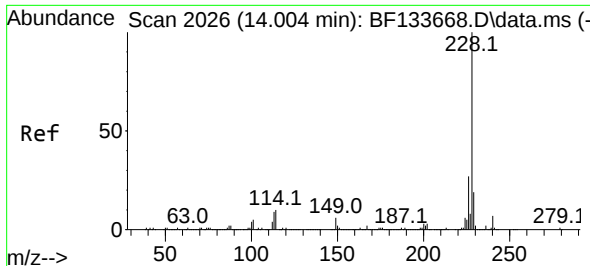
Tgt Ion:244 Resp: 1120112
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 8.8 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 31.811 ng
 RT: 13.421 min Scan# 1927
 Delta R.T. -0.006 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

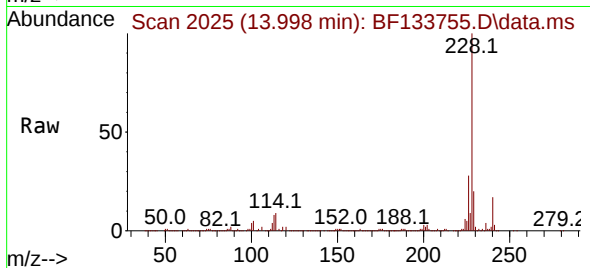
Tgt Ion:149 Resp: 350781
 Ion Ratio Lower Upper
 149 100
 91 70.1 54.0 81.0
 206 19.9 15.6 23.4



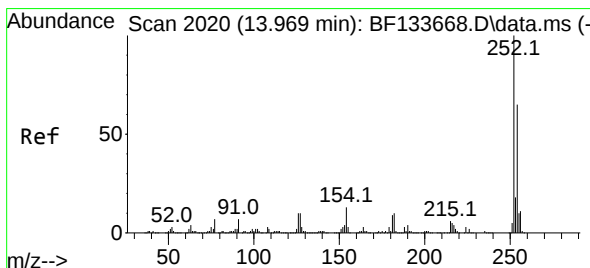
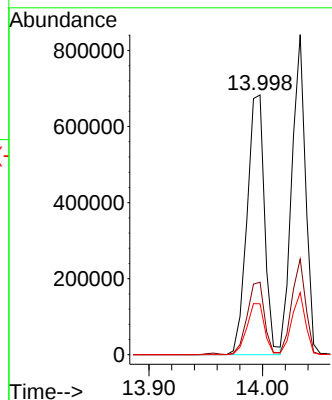
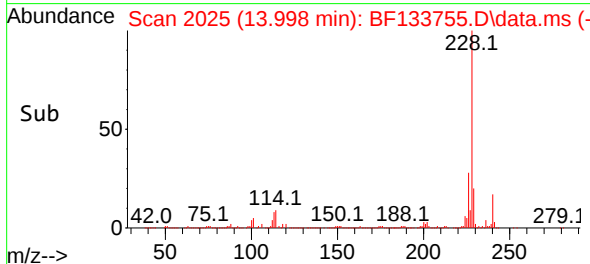


#81
Benzo(a)anthracene
Concen: 37.891 ng
RT: 13.998 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

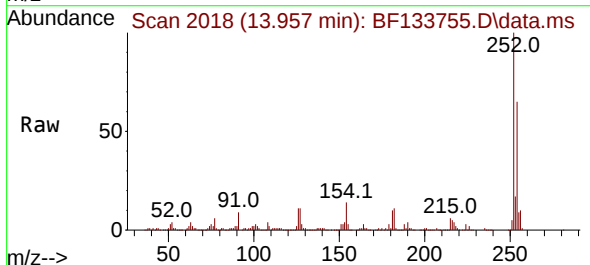
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS



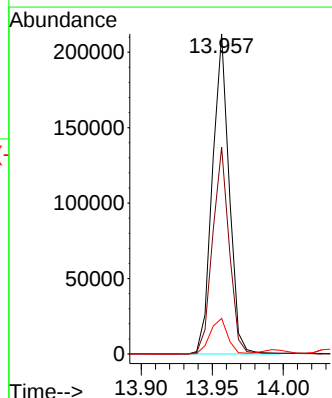
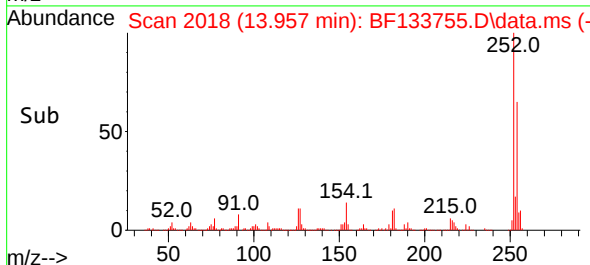
Tgt Ion:228 Resp: 734898
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 19.6 15.4 23.2

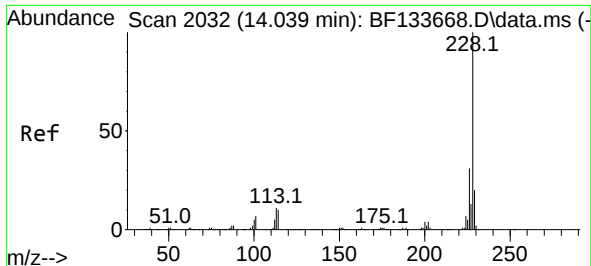


#82
3,3'-Dichlorobenzidine
Concen: 26.873 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13



Tgt Ion:252 Resp: 173277
Ion Ratio Lower Upper
252 100
254 64.7 51.9 77.9
126 11.1 7.7 11.5

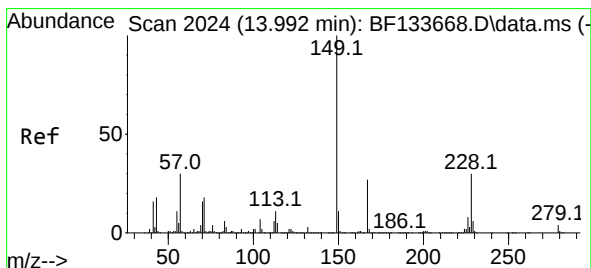
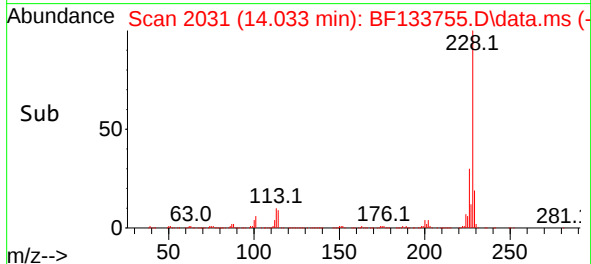
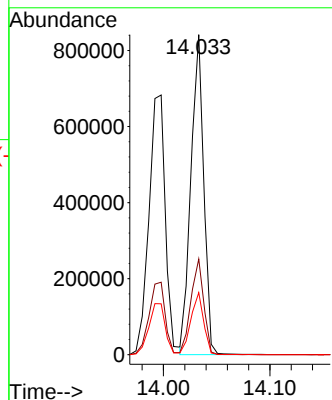
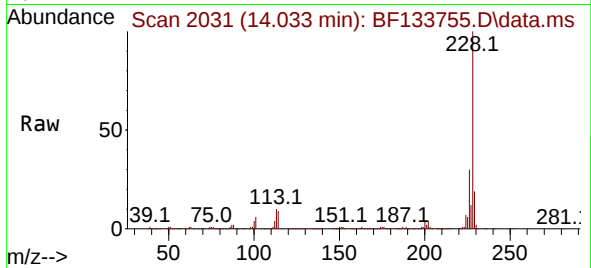




#83
Chrysene
Concen: 38.413 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

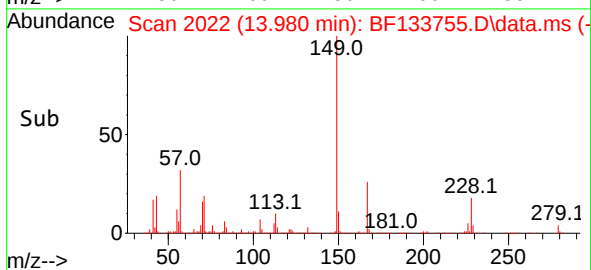
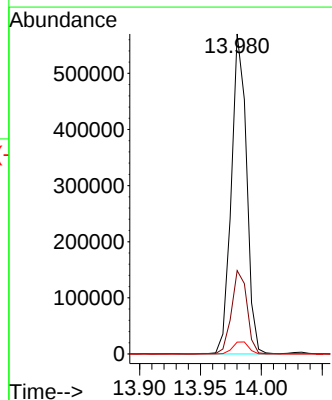
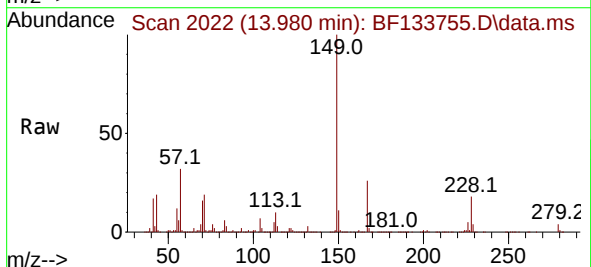
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

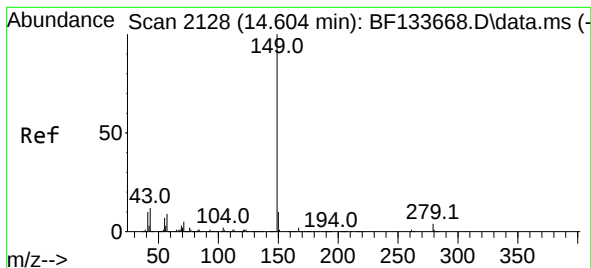
Tgt Ion:228 Resp: 704667
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 19.4 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.581 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:149 Resp: 496667
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 47.487 ng

RT: 14.598 min Scan# 2127

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

Instrument :

BNA_F

ClientSampleId :

MARION-SOIL-0609MS

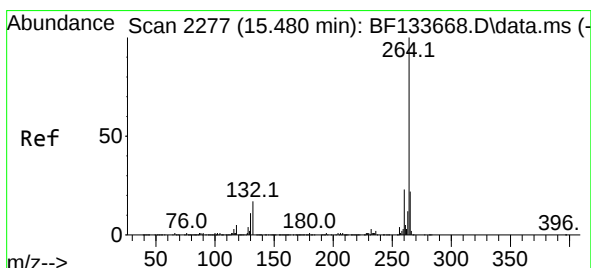
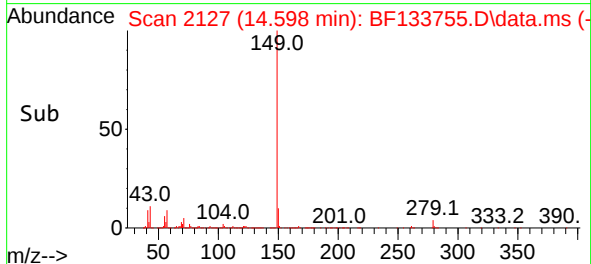
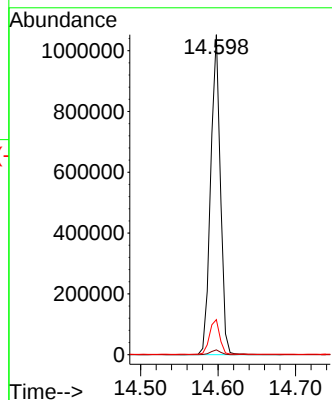
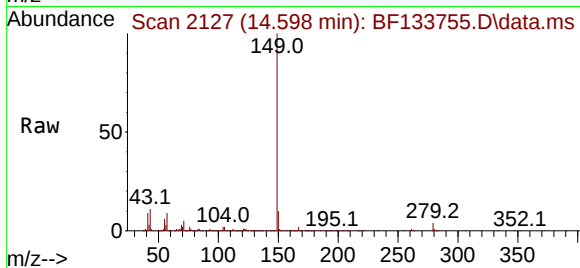
Tgt Ion:149 Resp: 916220

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 11.4 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF133755.D

Acq: 14 Jun 2023 17:13

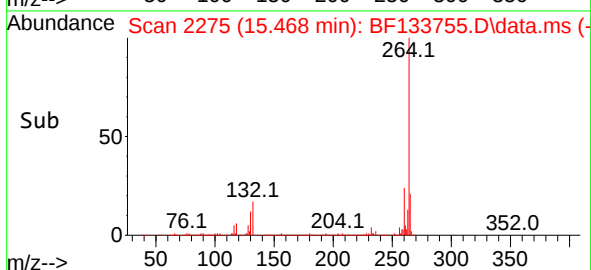
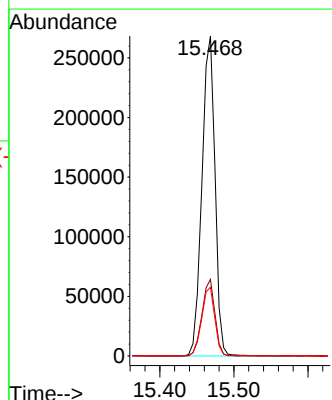
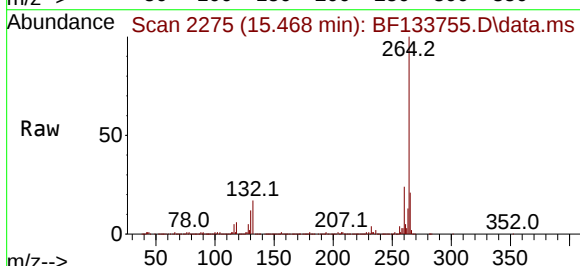
Tgt Ion:264 Resp: 328524

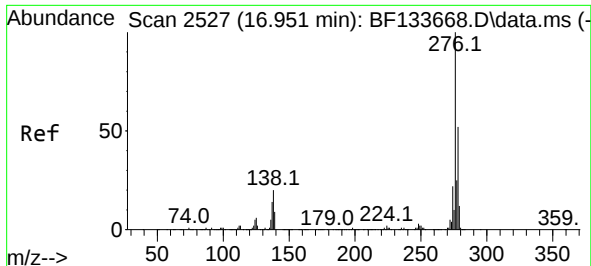
Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 21.5 17.8 26.6

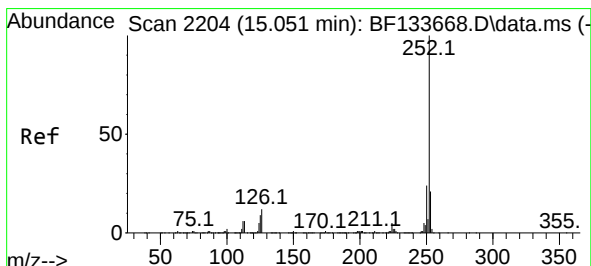
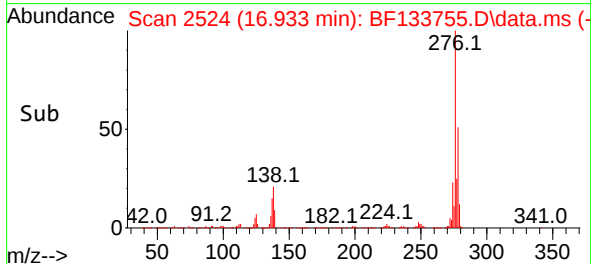
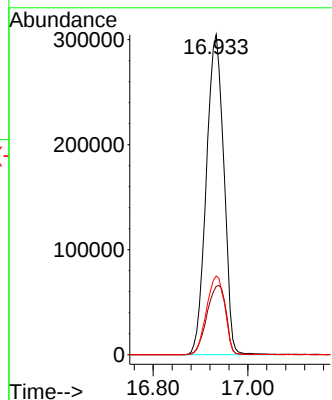
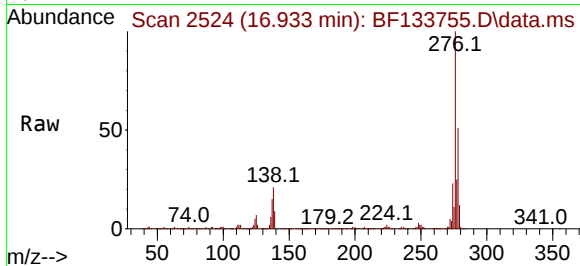




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 34.574 ng
 RT: 16.933 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

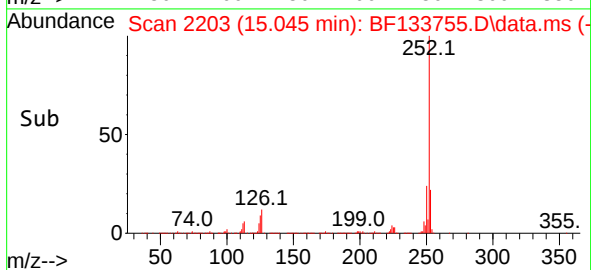
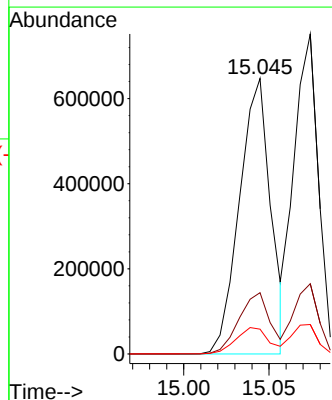
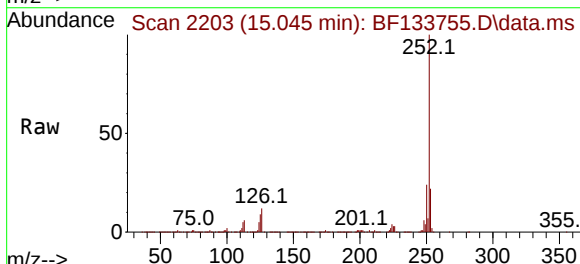
Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

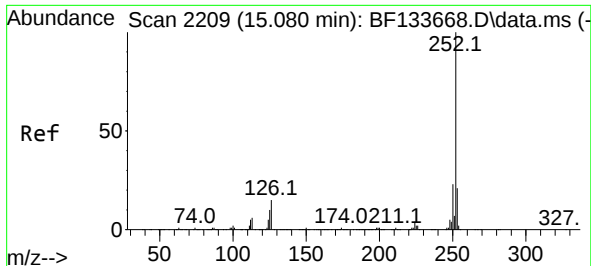
Tgt Ion:276 Resp: 781421
 Ion Ratio Lower Upper
 276 100
 138 23.7 17.9 26.9
 277 25.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 41.311 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: BF133755.D
 Acq: 14 Jun 2023 17:13

Tgt Ion:252 Resp: 824429
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.0 25.6
 125 9.0 7.3 10.9

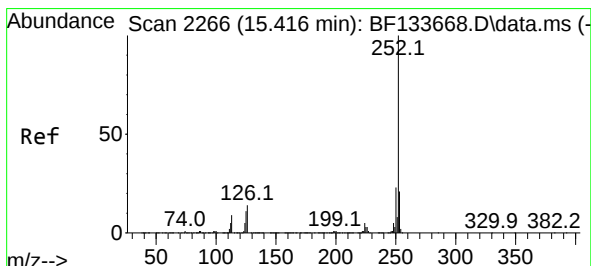
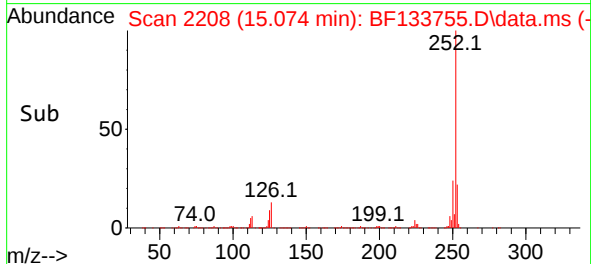
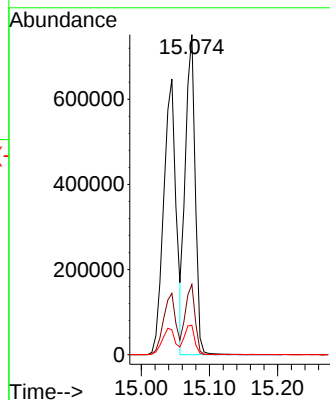
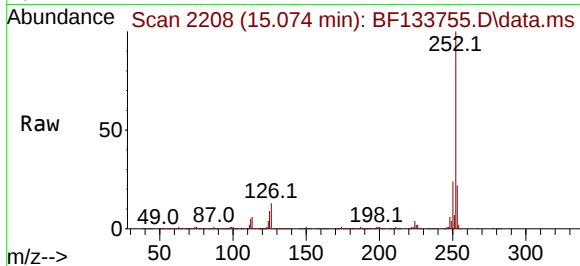




#89
Benzo(k)fluoranthene
Concen: 38.705 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

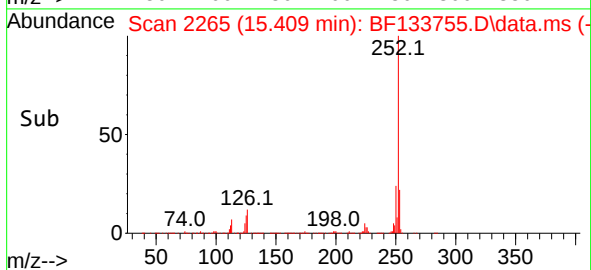
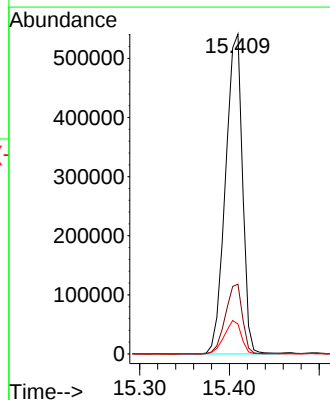
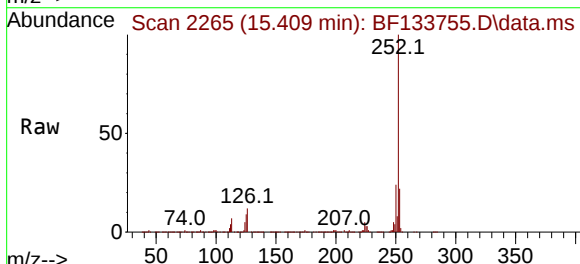
Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

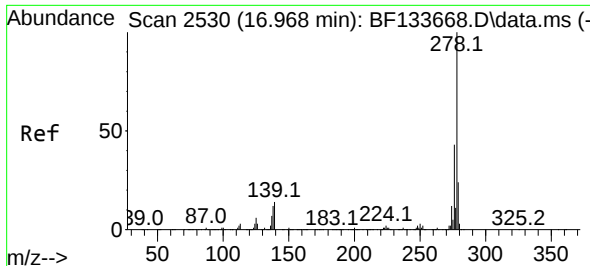
Tgt Ion:252 Resp: 752415
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 9.2 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.378 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:252 Resp: 710800
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 9.4 8.6 13.0

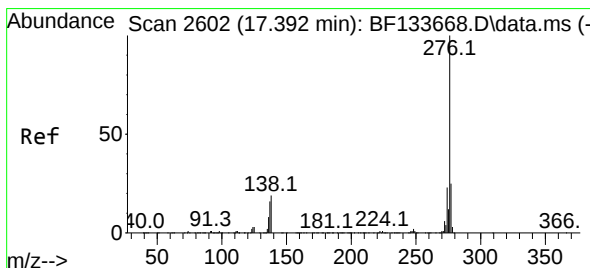
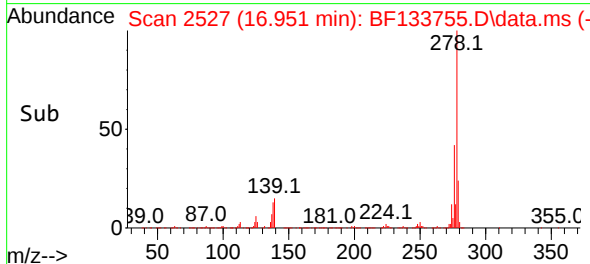
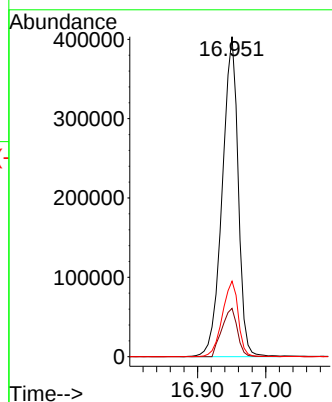
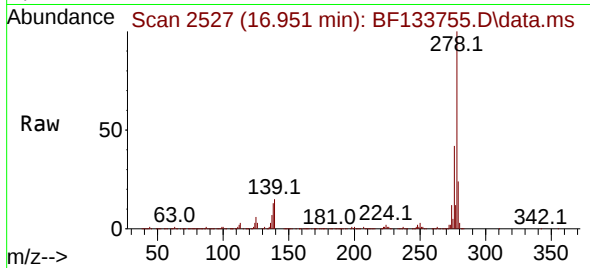




#91
Dibenzo(a,h)anthracene
Concen: 35.115 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.000 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Instrument :
BNA_F
ClientSampleId :
MARION-SOIL-0609MS

Tgt Ion:278 Resp: 657050
Ion Ratio Lower Upper
278 100
139 15.1 11.4 17.2
279 23.6 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.042 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.006 min
Lab File: BF133755.D
Acq: 14 Jun 2023 17:13

Tgt Ion:276 Resp: 575892
Ion Ratio Lower Upper
276 100
277 25.1 19.8 29.8
138 21.4 15.0 22.4

