

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022422\
 Data File : BM034073.D
 Acq On : 24 Feb 2022 18:40
 Operator : CG/JU
 Sample : N1650-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)MSD

Quant Time: Feb 25 01:11:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 22 17:55:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	163779	20.000	ng	-0.01
21) Naphthalene-d8	10.831	136	602981	20.000	ng	# 0.00
39) Acenaphthene-d10	14.648	164	369818	20.000	ng	0.00
64) Phenanthrene-d10	17.389	188	733984	20.000	ng	# 0.00
76) Chrysene-d12	21.559	240	688859	20.000	ng	# 0.00
86) Perylene-d12	24.018	264	682223	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	1209433	131.638	ng	0.00
7) Phenol-d6	7.166	99	1351573	112.028	ng	0.00
23) Nitrobenzene-d5	9.178	82	1027677	91.975	ng	0.00
42) 2,4,6-Tribromophenol	16.130	330	690183	153.771	ng	0.00
45) 2-Fluorobiphenyl	13.278	172	2648440	95.412	ng	-0.01
79) Terphenyl-d14	20.001	244	3893047	98.411	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.437	88	148067	41.917	ng	# 47
3) Pyridine	3.849	79	269033	27.111	ng	88
4) n-Nitrosodimethylamine	3.743	42	243148	48.984	ng	# 82
6) Aniline	7.331	93	157668	11.827	ng	91
8) 2-Chlorophenol	7.572	128	515626	50.165	ng	83
9) Benzaldehyde	7.143	77	198469	29.304	ng	86
10) Phenol	7.196	94	516997	43.567	ng	91
11) bis(2-Chloroethyl)ether	7.425	93	443894	46.881	ng	90
12) 1,3-Dichlorobenzene	7.901	146	607028	50.242	ng	# 94
13) 1,4-Dichlorobenzene	8.048	146	623351	50.477	ng	93
14) 1,2-Dichlorobenzene	8.372	146	595798	49.433	ng	94
15) Benzyl Alcohol	8.248	79	427620	45.965	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.548	45	513785	40.809	ng	93
17) 2-Methylphenol	8.454	107	391453	46.833	ng	95
18) Hexachloroethane	9.107	117	216124	51.137	ng	# 86
19) n-Nitroso-di-n-propyla...	8.825	70	346742	44.465	ng	# 93
20) 3+4-Methylphenols	8.784	107	518208	44.900	ng	94
22) Acetophenone	8.837	105	730398	50.149	ng	# 92
24) Nitrobenzene	9.219	77	539511	51.865	ng	# 88
25) Isophorone	9.748	82	917130	50.851	ng	# 93
26) 2-Nitrophenol	9.931	139	280764	57.285	ng	# 80
27) 2,4-Dimethylphenol	9.995	122	457190	57.737	ng	92
28) bis(2-Chloroethoxy)met...	10.231	93	548712	44.994	ng	98
29) 2,4-Dichlorophenol	10.472	162	513628	52.462	ng	94
30) 1,2,4-Trichlorobenzene	10.689	180	595036	51.771	ng	96
31) Naphthalene	10.878	128	1556738	50.251	ng	99
32) Benzoic acid	10.113	122	301115	50.211	ng	# 85
33) 4-Chloroaniline	10.984	127	112562	8.874	ng	# 89
34) Hexachlorobutadiene	11.178	225	379280	51.936	ng	96
35) Caprolactam	11.748	113	112430	56.967	ng	# 62
36) 4-Chloro-3-methylphenol	12.101	107	467647	48.509	ng	# 82
37) 2-Methylnaphthalene	12.483	142	1137383	50.323	ng	98
38) 1-Methylnaphthalene	12.701	142	1067134	48.424	ng	98
40) 1,2,4,5-Tetrachloroben...	12.854	216	671343	56.781	ng	98
41) Hexachlorocyclopentadiene	12.842	237	930383	134.707	ng	98
43) 2,4,6-Trichlorophenol	13.083	196	428331	57.288	ng	97

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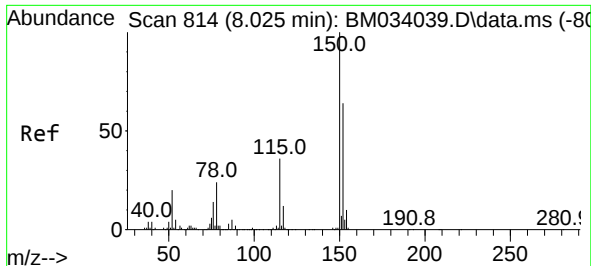
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.154	196	449946	59.239	ng	# 90
46) 1,1'-Biphenyl	13.489	154	1495626	52.932	ng	96
47) 2-Chloronaphthalene	13.530	162	1164438	52.777	ng	94
48) 2-Nitroaniline	13.719	65	290171	55.379	ng	# 77
49) Acenaphthylene	14.372	152	1811081	54.773	ng	99
50) Dimethylphthalate	14.107	163	1413473	51.554	ng	98
51) 2,6-Dinitrotoluene	14.213	165	307516	56.682	ng	# 82
52) Acenaphthene	14.713	154	1304133	59.690	ng	99
53) 3-Nitroaniline	14.536	138	158169	29.147	ng	80
54) 2,4-Dinitrophenol	14.742	184	389972	126.499	ng	# 80
55) Dibenzofuran	15.048	168	1718778	50.363	ng	98
56) 4-Nitrophenol	14.842	139	468117	106.725	ng	# 80
57) 2,4-Dinitrotoluene	14.995	165	414753	58.788	ng	# 77
58) Fluorene	15.695	166	1422961	51.868	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.266	232	391791	52.661	ng	# 90
60) Diethylphthalate	15.466	149	1402606	51.159	ng	98
61) 4-Chlorophenyl-phenyle...	15.683	204	745895	50.770	ng	95
62) 4-Nitroaniline	15.695	138	279468	49.624	ng	85
63) Azobenzene	15.977	77	1131803	47.523	ng	93
65) 4,6-Dinitro-2-methylph...	15.760	198	231188	53.737	ng	# 70
66) n-Nitrosodiphenylamine	15.895	169	1163498	50.633	ng	99
67) 4-Bromophenyl-phenylether	16.577	248	457441	55.169	ng	93
68) Hexachlorobenzene	16.701	284	524724	54.924	ng	# 88
69) Atrazine	16.842	200	379719	49.955	ng	96
70) Pentachlorophenol	17.036	266	682207	118.202	ng	98
71) Phenanthrene	17.430	178	2135699	52.456	ng	99
72) Anthracene	17.518	178	2159185	54.496	ng	99
73) Carbazole	17.783	167	1829350	49.037	ng	99
74) Di-n-butylphthalate	18.360	149	2262160	53.306	ng	99
75) Fluoranthene	19.442	202	2421336	54.132	ng	96
77) Benzidine	19.612	184	313957	24.473	ng	98
78) Pyrene	19.801	202	2456219	51.918	ng	99
80) Butylbenzylphthalate	20.695	149	944520	52.428	ng	86
81) Benzo(a)anthracene	21.542	228	2322786	51.823	ng	99
82) 3,3'-Dichlorobenzidine	21.471	252	439963	29.065	ng	98
83) Chrysene	21.601	228	2221222	51.879	ng	99
84) Bis(2-ethylhexyl)phtha...	21.477	149	1396701	50.752	ng	# 98
85) Di-n-octyl phthalate	22.424	149	2212797	50.732	ng	# 90
87) Indeno(1,2,3-cd)pyrene	26.594	276	2983169	61.505	ng	# 95
88) Benzo(b)fluoranthene	23.271	252	2444420	57.175	ng	# 97
89) Benzo(k)fluoranthene	23.318	252	2277382	53.397	ng	# 97
90) Benzo(a)pyrene	23.912	252	2294506	65.311	ng	98
91) Dibenzo(a,h)anthracene	26.612	278	2587607	63.436	ng	96
92) Benzo(g,h,i)perylene	27.382	276	2594643	65.660	ng	96

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

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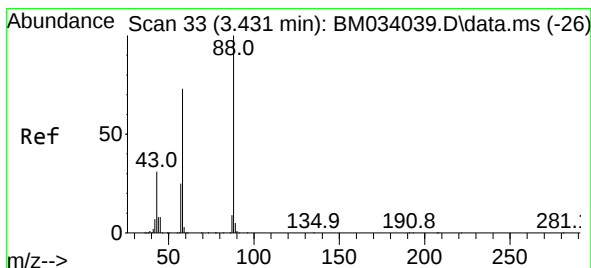
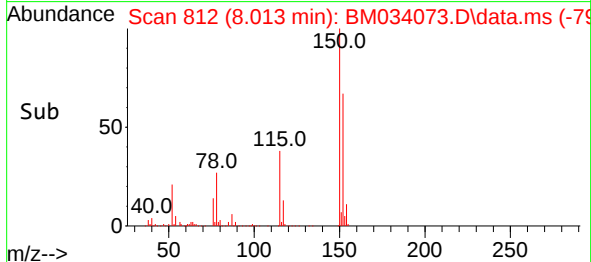
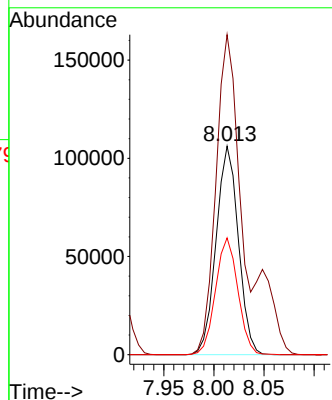
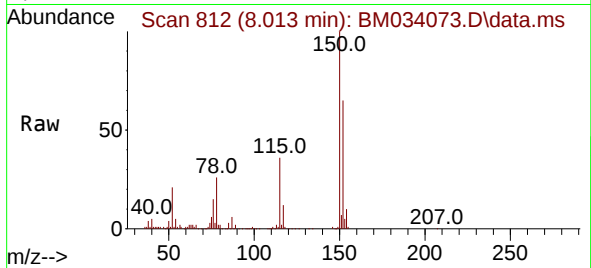




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.013 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

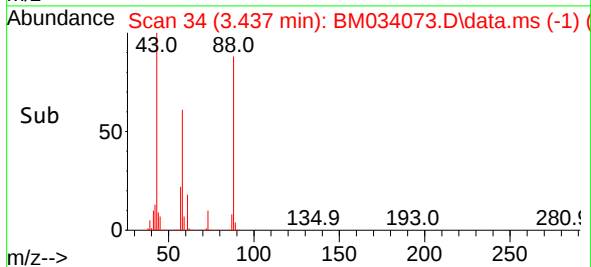
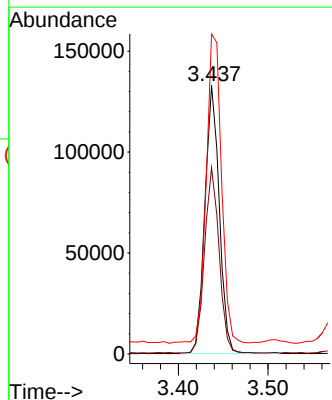
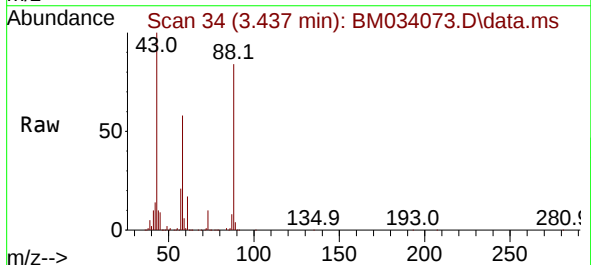
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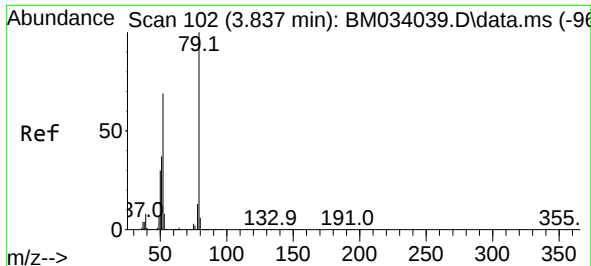
Tgt Ion:152 Resp: 163779
Ion Ratio Lower Upper
152 100
150 153.5 128.9 193.3
115 56.0 53.0 79.6



#2
1,4-Dioxane
Concen: 41.917 ng
RT: 3.437 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 88 Resp: 148067
Ion Ratio Lower Upper
88 100
58 69.6 67.0 100.4
43 121.2 31.6 47.4#

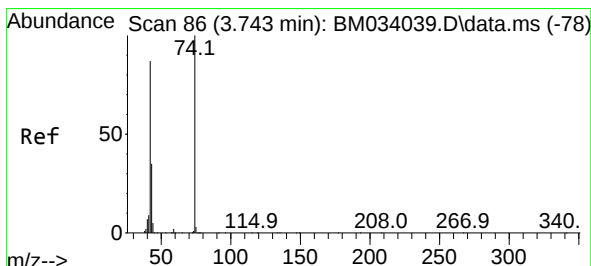
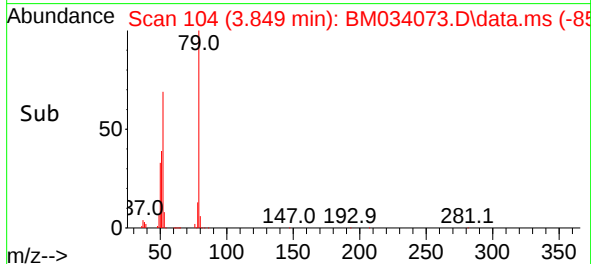
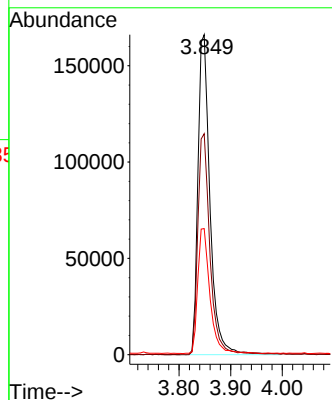
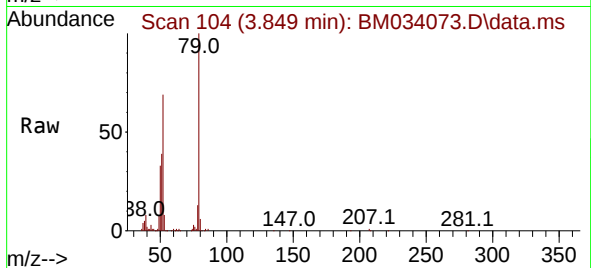




#3
Pyridine
Concen: 27.111 ng
RT: 3.849 min Scan# 102
Delta R.T. 0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

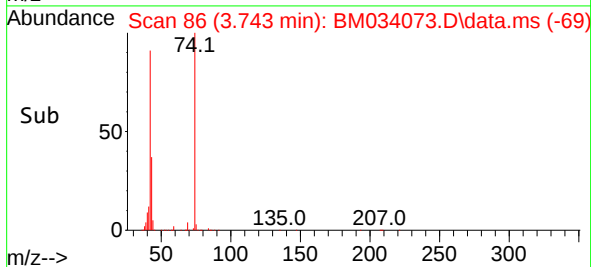
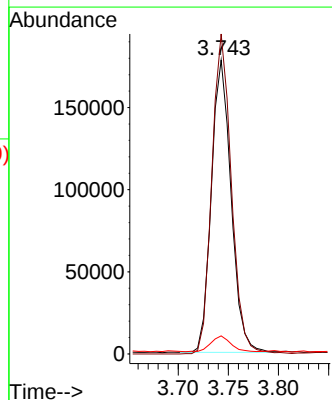
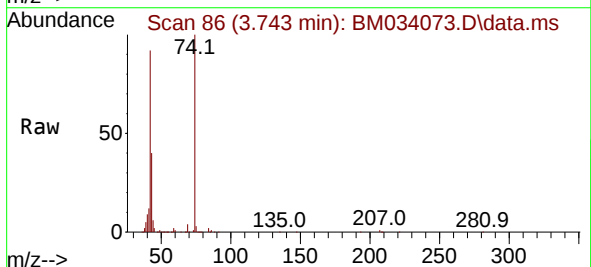
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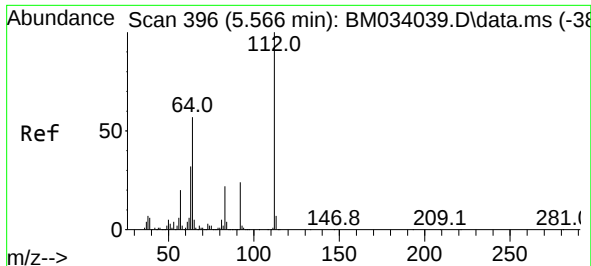
Tgt Ion: 79 Resp: 269033
Ion Ratio Lower Upper
79 100
52 69.1 65.4 98.2
51 39.4 34.8 52.2



#4
n-Nitrosodimethylamine
Concen: 48.984 ng
RT: 3.743 min Scan# 86
Delta R.T. 0.000 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 42 Resp: 243148
Ion Ratio Lower Upper
42 100
74 108.9 72.5 108.7#
44 6.1 5.4 8.2

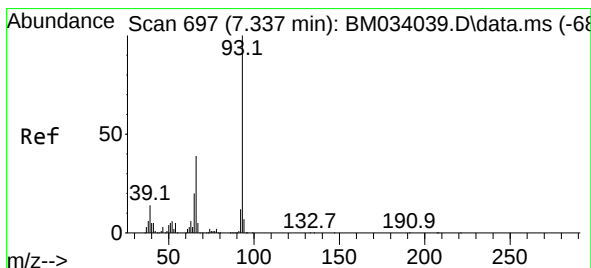
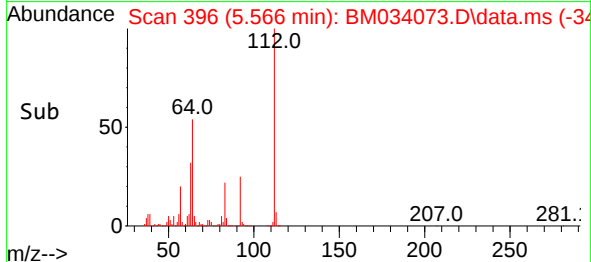
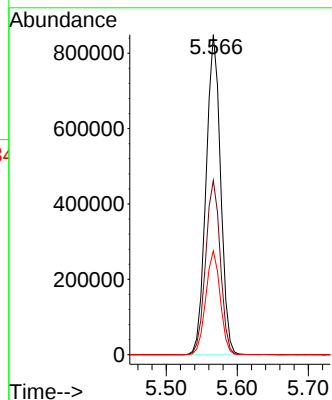
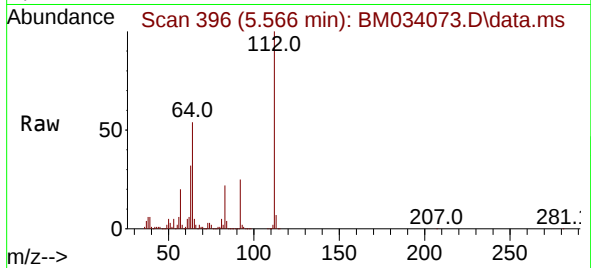




#5
2-Fluorophenol
Concen: 131.638 ng
RT: 5.566 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

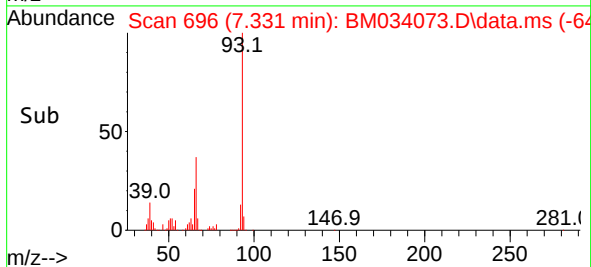
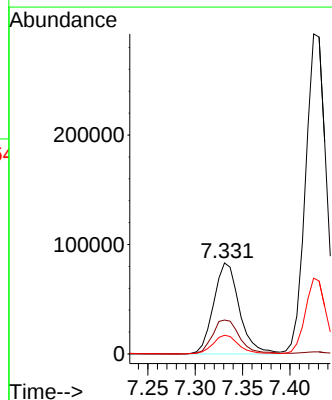
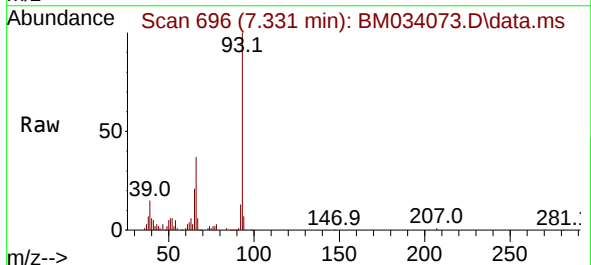
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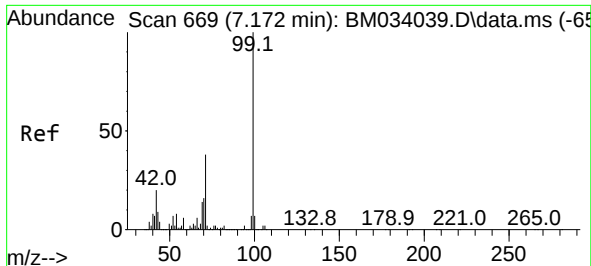
Tgt Ion:112 Resp: 1209433
Ion Ratio Lower Upper
112 100
64 54.5 55.5 83.3#
63 32.4 31.3 46.9



#6
Aniline
Concen: 11.827 ng
RT: 7.331 min Scan# 696
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 93 Resp: 157668
Ion Ratio Lower Upper
93 100
66 37.3 36.0 54.0
65 20.6 18.2 27.4

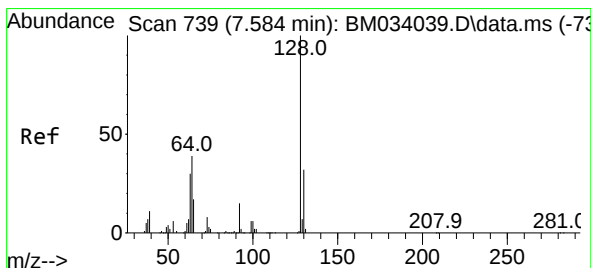
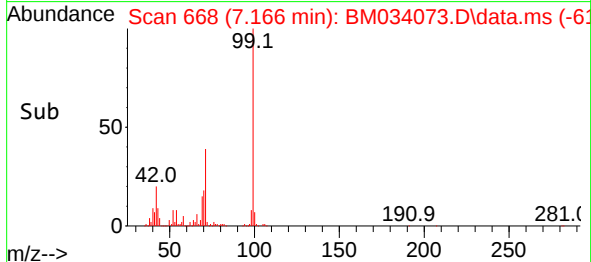
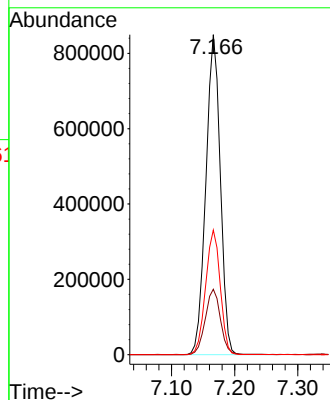
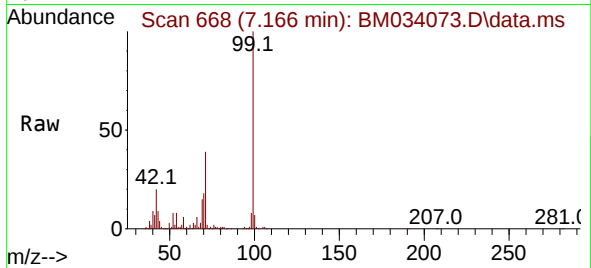




#7
Phenol-d6
Concen: 112.028 ng
RT: 7.166 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

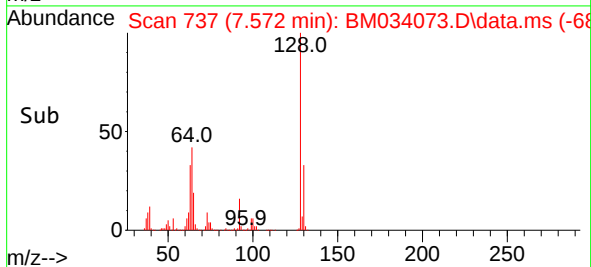
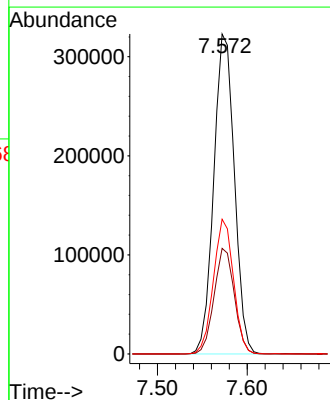
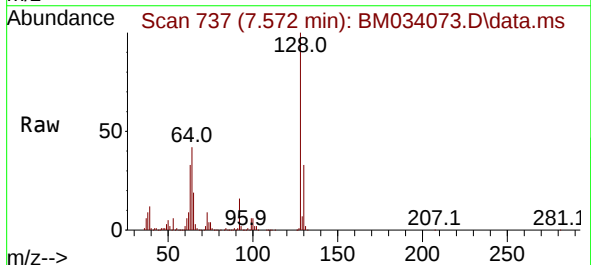
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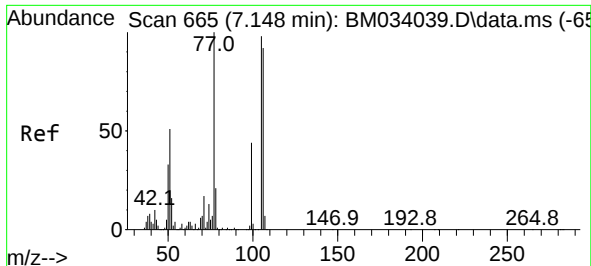
Tgt Ion: 99 Resp: 1351573
Ion Ratio Lower Upper
99 100
42 20.5 20.3 30.5
71 38.9 34.5 51.7



#8
2-Chlorophenol
Concen: 50.165 ng
RT: 7.572 min Scan# 737
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:128 Resp: 515626
Ion Ratio Lower Upper
128 100
130 33.0 10.9 50.9
64 42.1 40.6 80.6

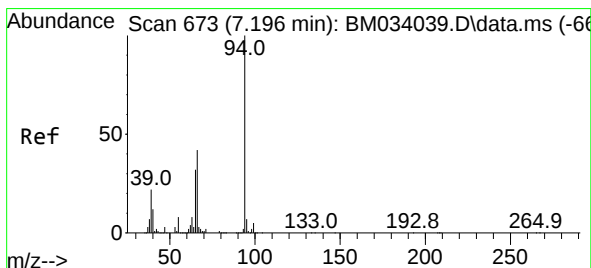
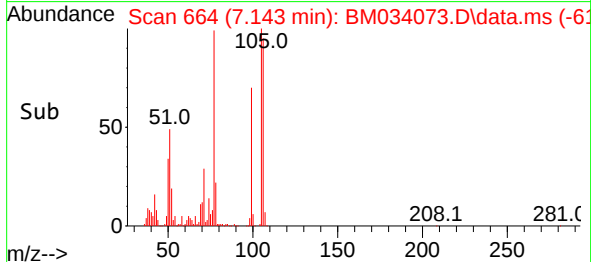
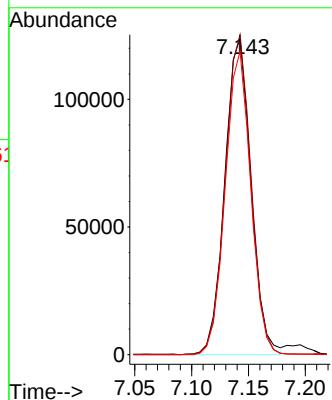
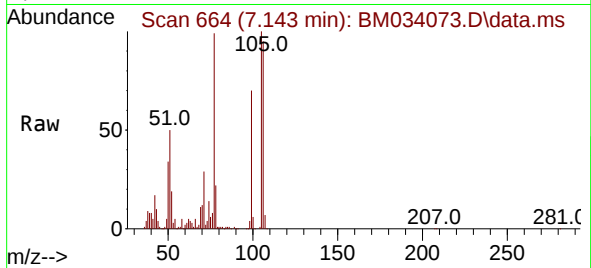




#9
Benzaldehyde
Concen: 29.304 ng
RT: 7.143 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM034073.D
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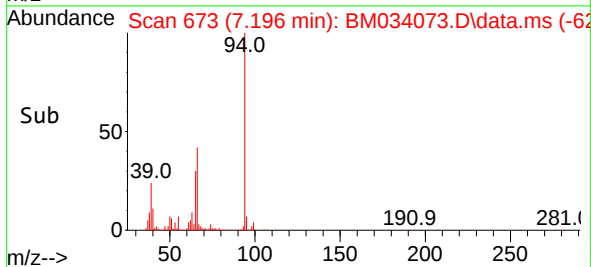
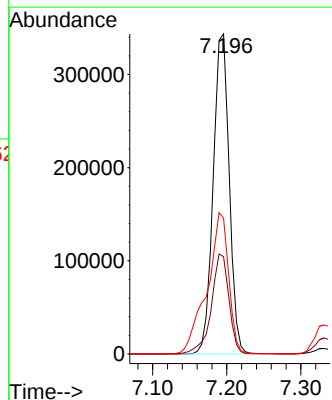
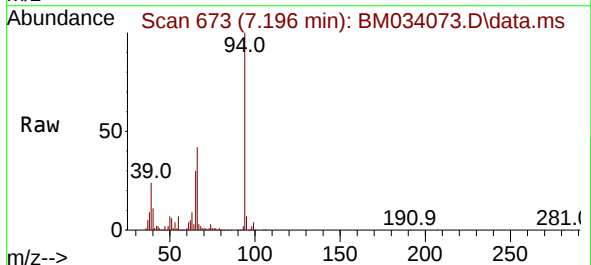
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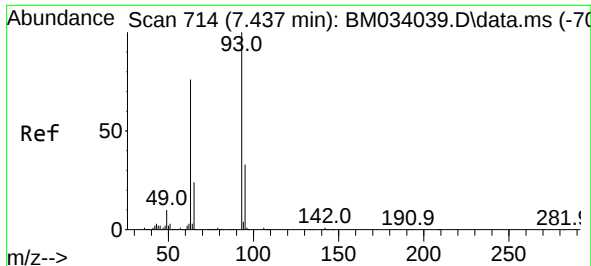
Tgt Ion: 77 Resp: 198469
Ion Ratio Lower Upper
77 100
105 101.1 67.1 107.1
106 95.9 64.3 104.3



#10
Phenol
Concen: 43.567 ng
RT: 7.196 min Scan# 673
Delta R.T. 0.000 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 94 Resp: 516997
Ion Ratio Lower Upper
94 100
65 30.4 15.5 55.5
66 42.5 28.5 68.5

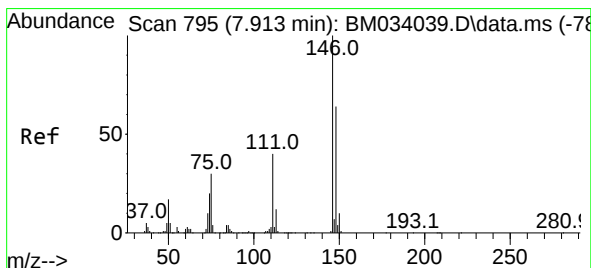
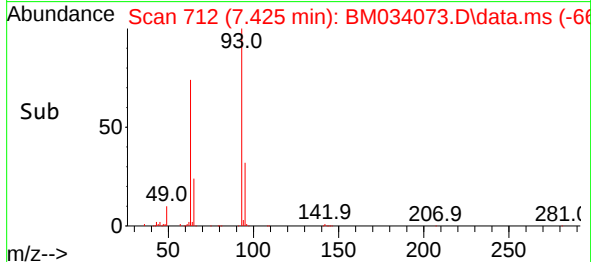
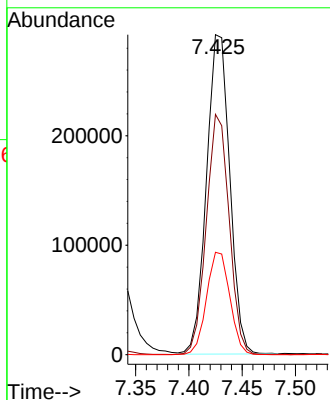
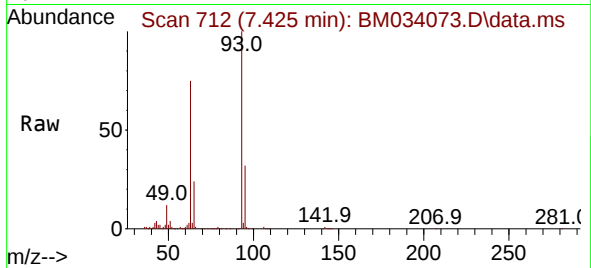




#11
bis(2-Chloroethyl)ether
Concen: 46.881 ng
RT: 7.425 min Scan# 714
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

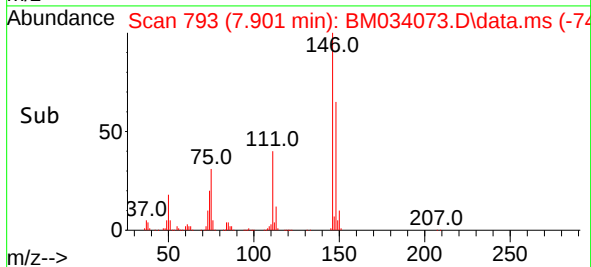
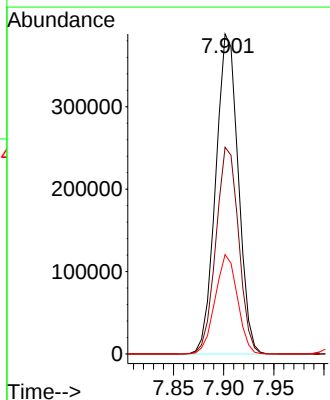
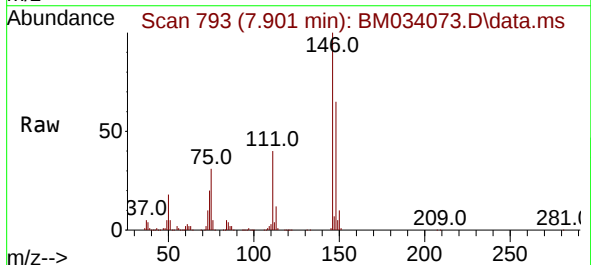
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

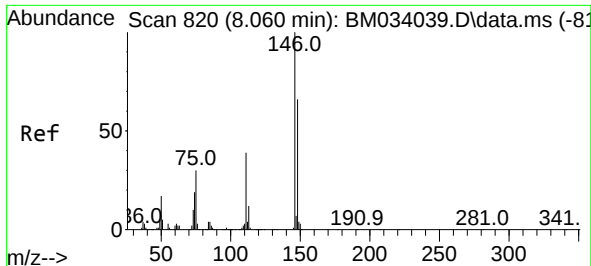
Tgt Ion: 93 Resp: 443894
Ion Ratio Lower Upper
93 100
63 75.1 67.0 107.0
95 32.0 11.6 51.6



#12
1,3-Dichlorobenzene
Concen: 50.242 ng
RT: 7.901 min Scan# 793
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:146 Resp: 607028
Ion Ratio Lower Upper
146 100
148 64.6 52.1 78.1
75 31.1 32.0 48.0#

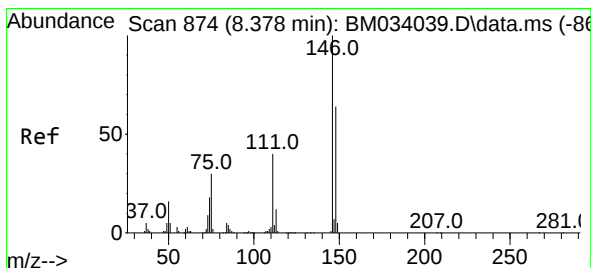
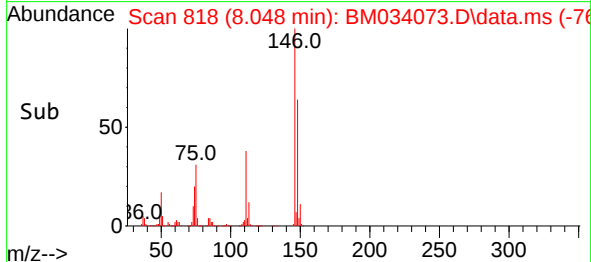
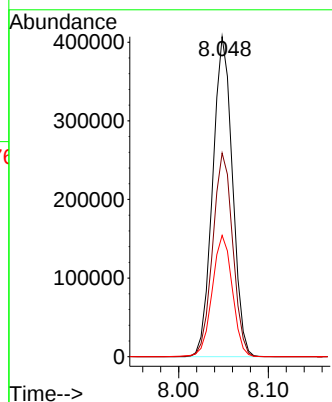
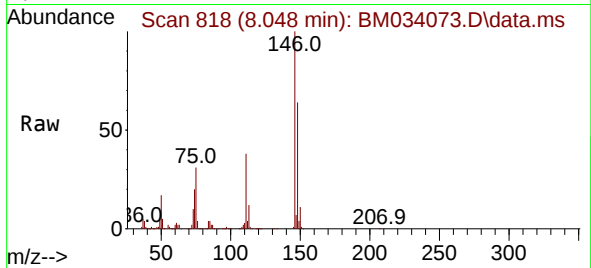




#13
1,4-Dichlorobenzene
Concen: 50.477 ng
RT: 8.048 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

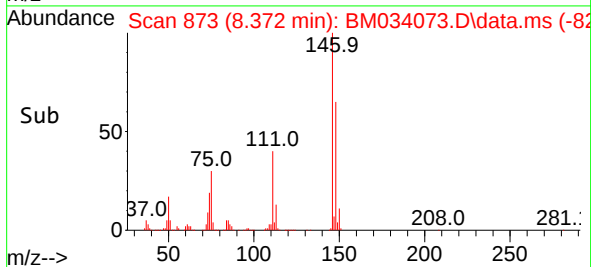
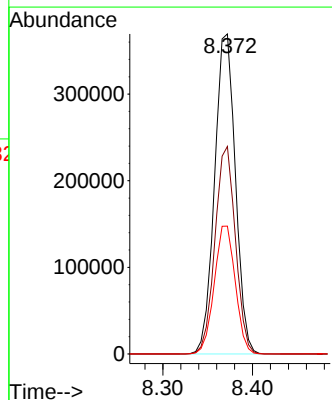
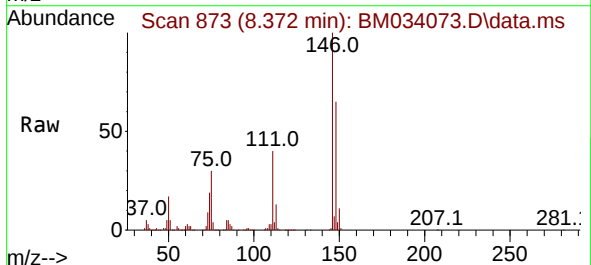
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

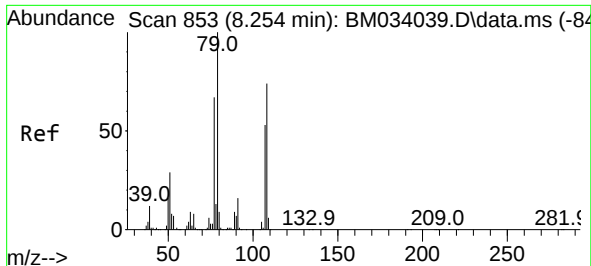
Tgt Ion:146 Resp: 623351
Ion Ratio Lower Upper
146 100
148 63.6 53.4 80.0
111 37.9 36.6 55.0



#14
1,2-Dichlorobenzene
Concen: 49.433 ng
RT: 8.372 min Scan# 873
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:146 Resp: 595798
Ion Ratio Lower Upper
146 100
148 64.8 50.9 76.3
111 40.0 37.8 56.8

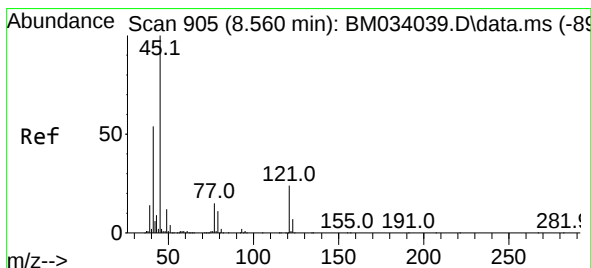
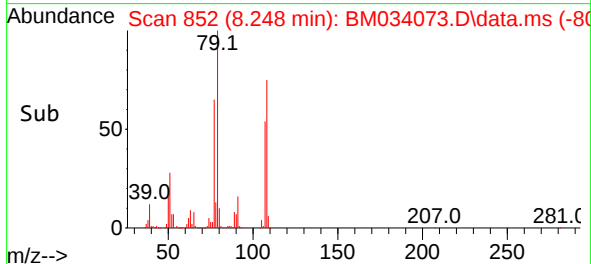
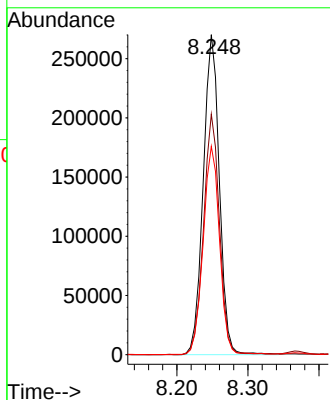
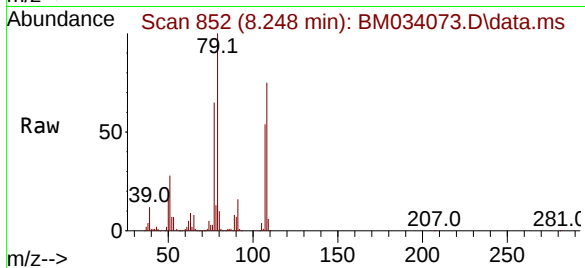




#15
Benzyl Alcohol
Concen: 45.965 ng
RT: 8.248 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

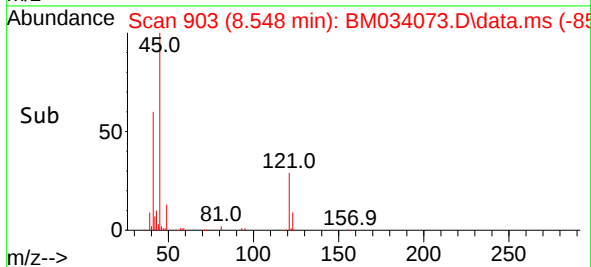
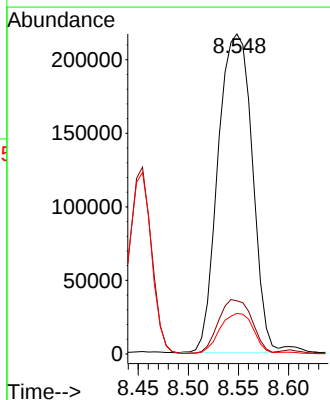
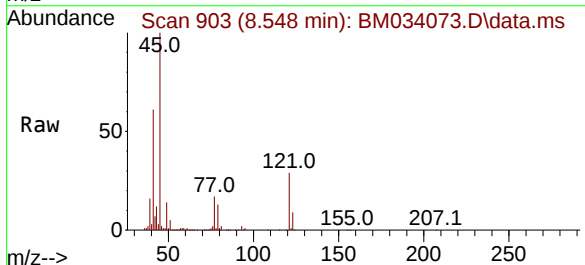
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

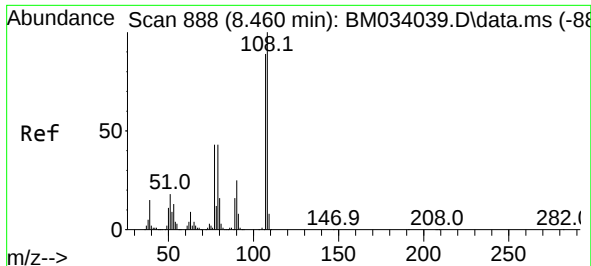
Tgt Ion: 79 Resp: 427620
Ion Ratio Lower Upper
79 100
108 75.2 51.1 76.7
77 65.1 53.8 80.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.809 ng
RT: 8.548 min Scan# 903
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 45 Resp: 513785
Ion Ratio Lower Upper
45 100
77 16.6 0.0 33.7
79 12.7 0.0 30.0

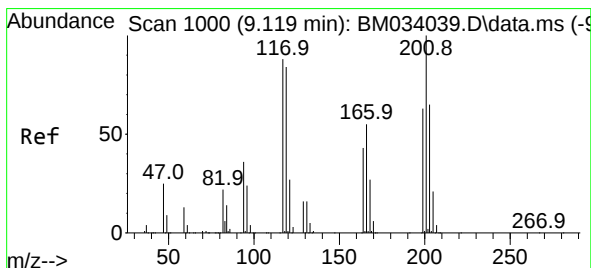
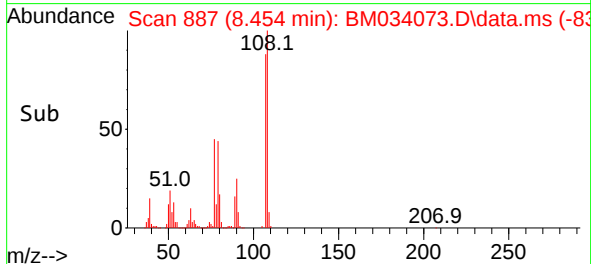
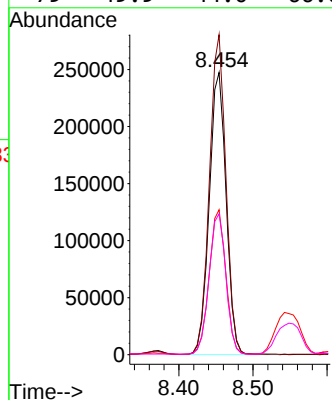
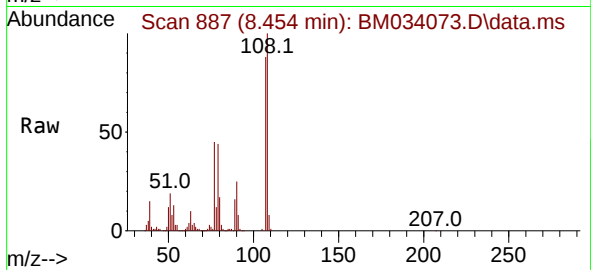




#17
2-Methylphenol
Concen: 46.833 ng
RT: 8.454 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

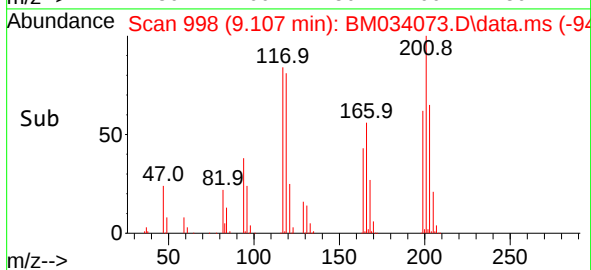
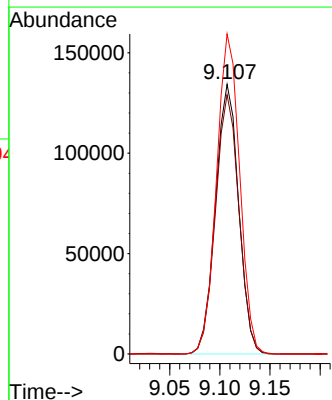
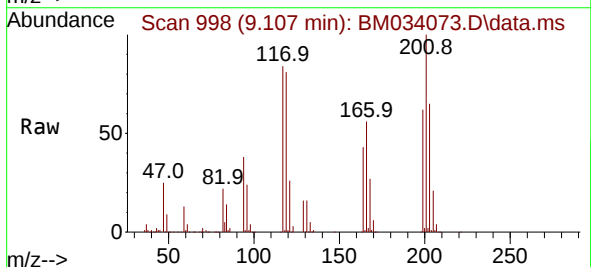
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

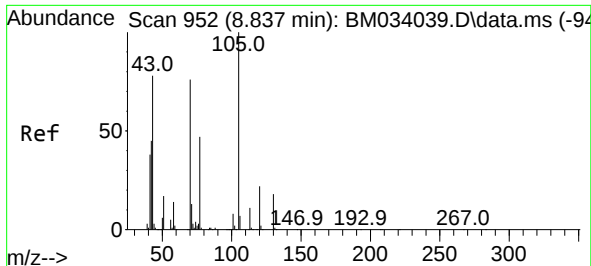
Tgt Ion:	107	Resp:	391453
Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.2	133.8
77	51.3	46.0	69.0
79	49.9	44.0	66.0



#18
Hexachloroethane
Concen: 51.137 ng
RT: 9.107 min Scan# 998
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:	117	Resp:	216124
Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.0	112.6
201	118.7	75.2	112.8





#19

n-Nitroso-di-n-propylamine

Concen: 44.465 ng

RT: 8.825 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

Tgt Ion: 70 Resp: 346742

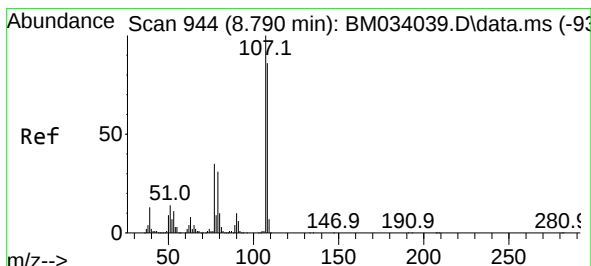
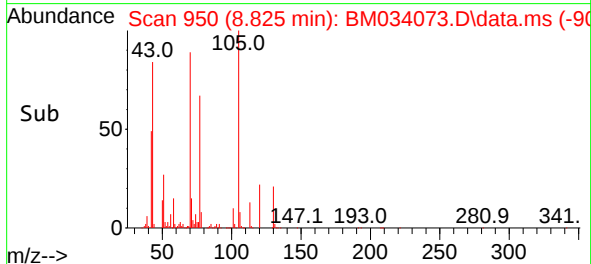
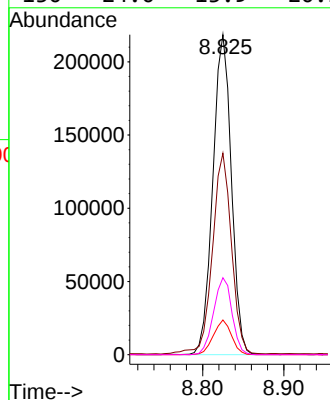
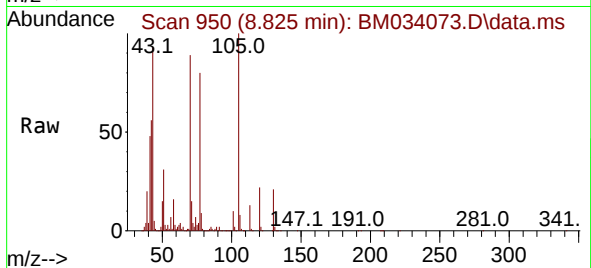
Ion Ratio Lower Upper

70 100

42 63.0 54.1 81.1

101 10.9 7.8 11.6

130 24.0 13.9 20.9#



#20

3+4-Methylphenols

Concen: 44.900 ng

RT: 8.784 min Scan# 943

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Tgt Ion: 107 Resp: 518208

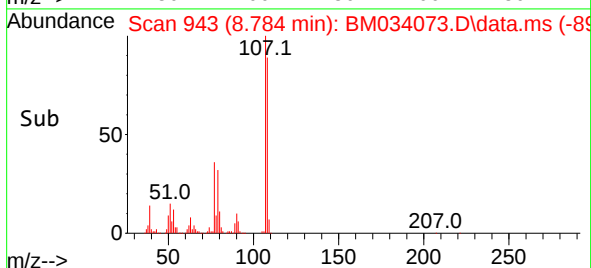
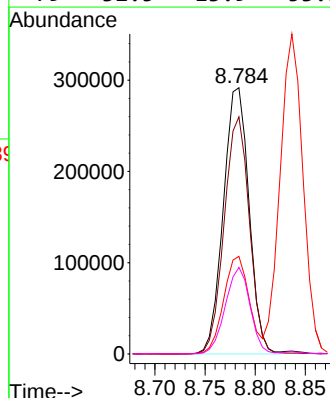
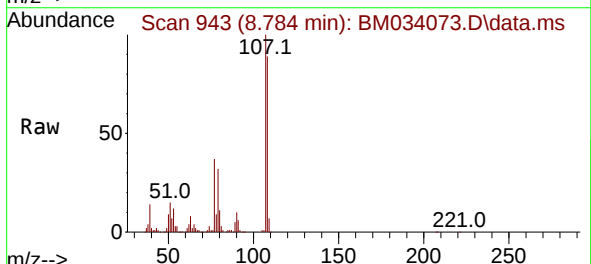
Ion Ratio Lower Upper

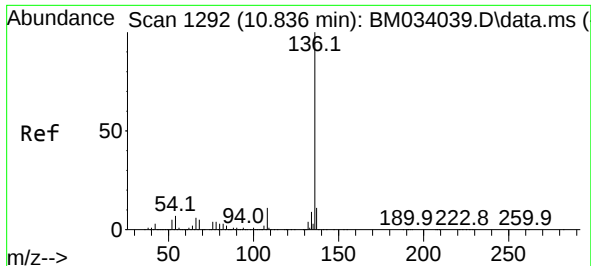
107 100

108 89.0 64.2 104.2

77 36.6 22.7 62.7

79 32.5 13.9 53.9

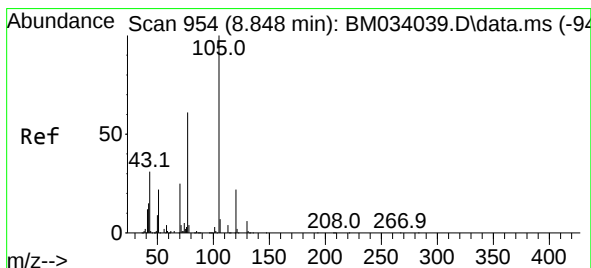
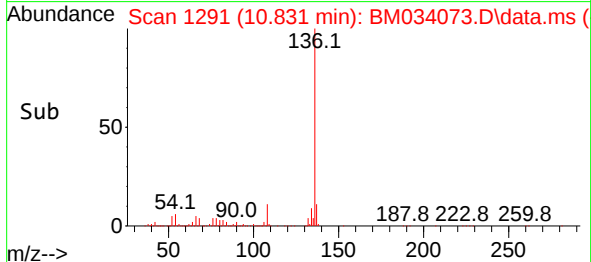
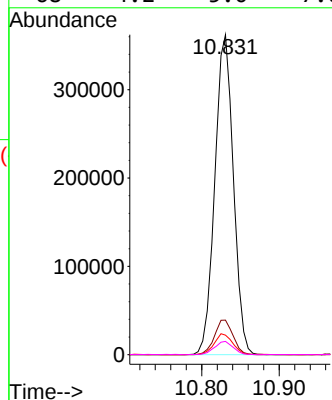
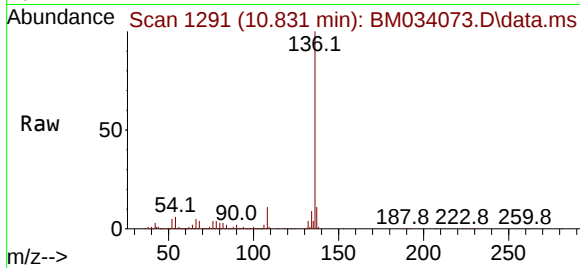




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.831 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

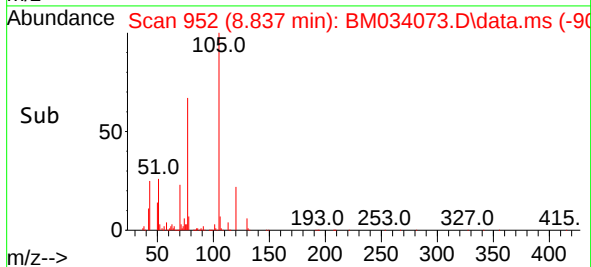
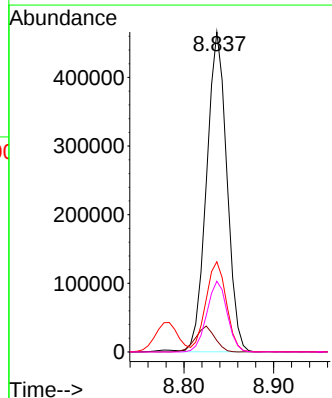
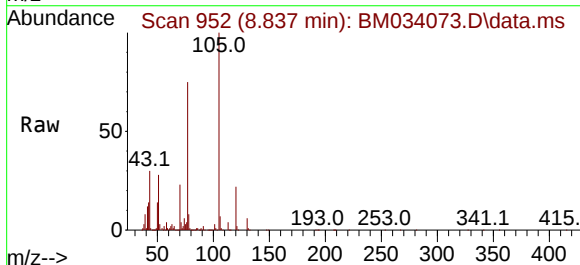
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

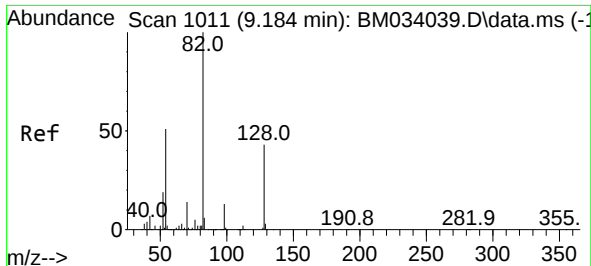
Tgt Ion:136 Resp: 602981
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.1 8.3 12.5#
68 4.2 5.0 7.6#



#22
Acetophenone
Concen: 50.149 ng
RT: 8.837 min Scan# 952
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:105 Resp: 730398
Ion Ratio Lower Upper
105 100
71 3.5 1.6 2.4#
51 28.2 27.7 41.5
120 22.1 16.2 24.2

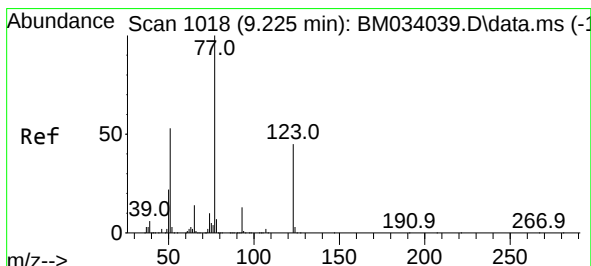
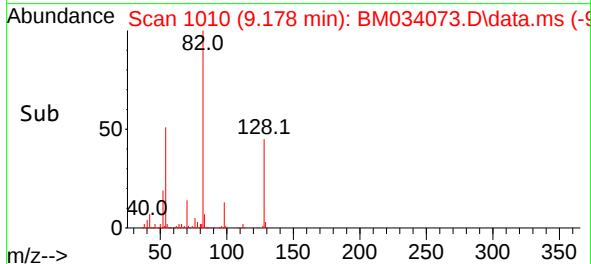
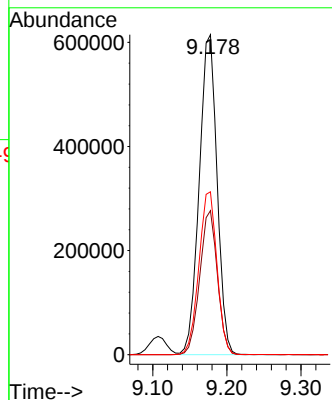
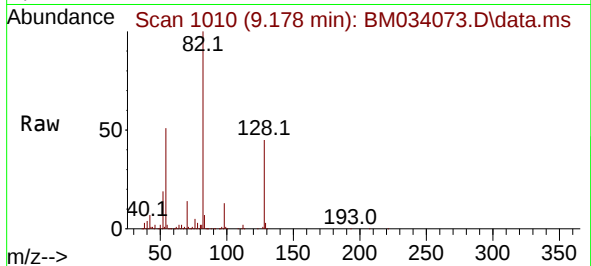




#23
Nitrobenzene-d5
Concen: 91.975 ng
RT: 9.178 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

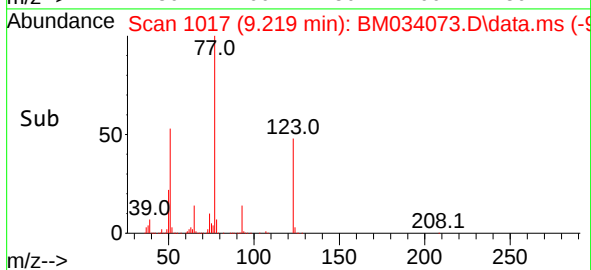
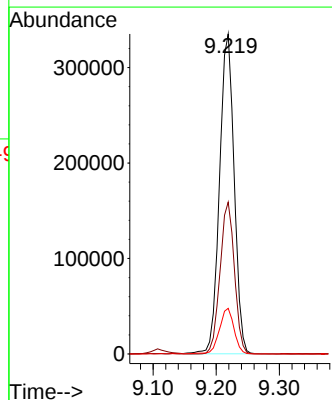
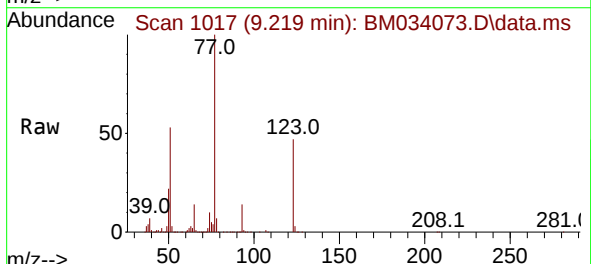
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

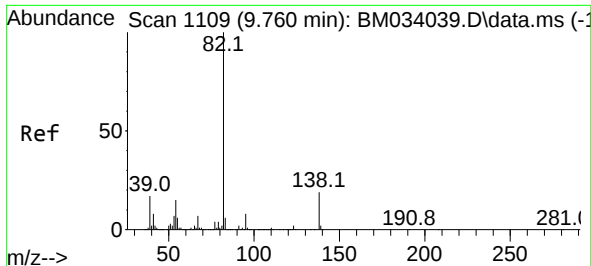
Tgt Ion: 82 Resp: 1027677
Ion Ratio Lower Upper
82 100
128 45.0 28.1 42.1#
54 50.9 46.1 69.1



#24
Nitrobenzene
Concen: 51.865 ng
RT: 9.219 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 77 Resp: 539511
Ion Ratio Lower Upper
77 100
123 47.5 29.8 44.8#
65 14.3 11.5 17.3

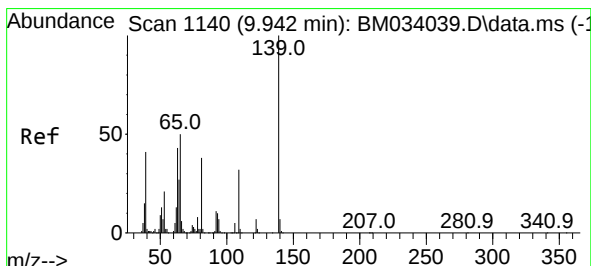
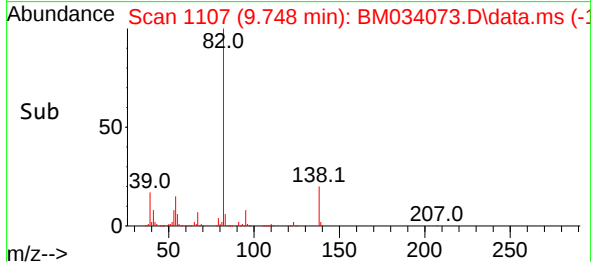
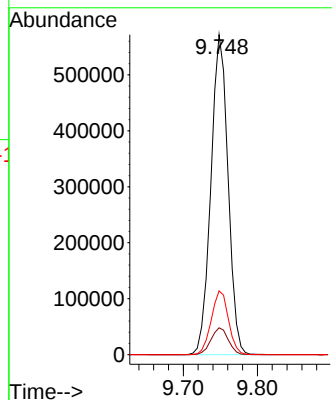
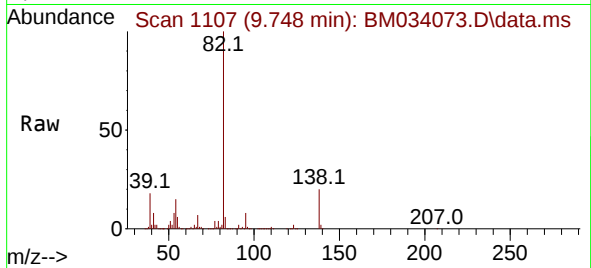




#25
Isophorone
Concen: 50.851 ng
RT: 9.748 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

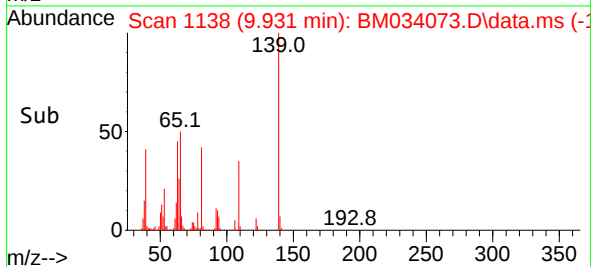
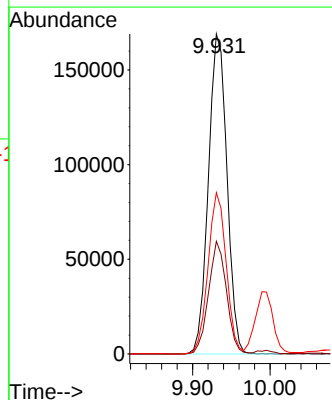
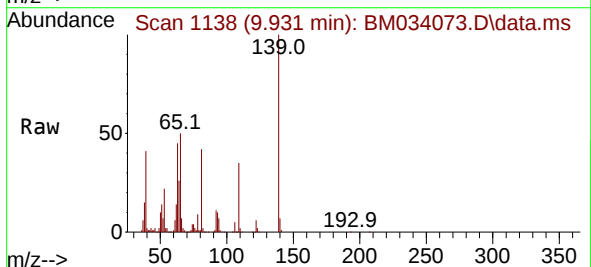
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

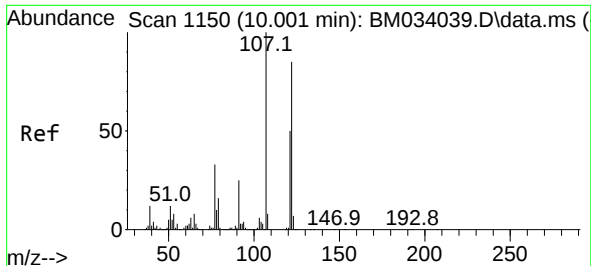
Tgt Ion: 82 Resp: 917130
Ion Ratio Lower Upper
82 100
95 8.4 6.4 9.6
138 20.0 12.4 18.6#



#26
2-Nitrophenol
Concen: 57.285 ng
RT: 9.931 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:139 Resp: 280764
Ion Ratio Lower Upper
139 100
109 35.2 33.0 49.6
65 50.4 57.2 85.8#





#27

2,4-Dimethylphenol

Concen: 57.737 ng

RT: 9.995 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

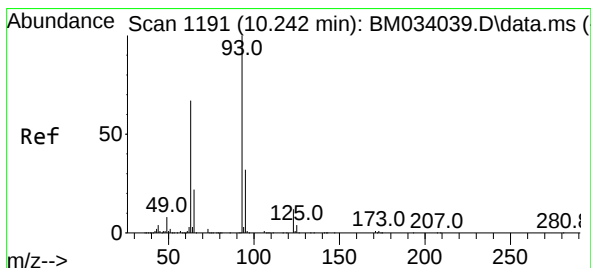
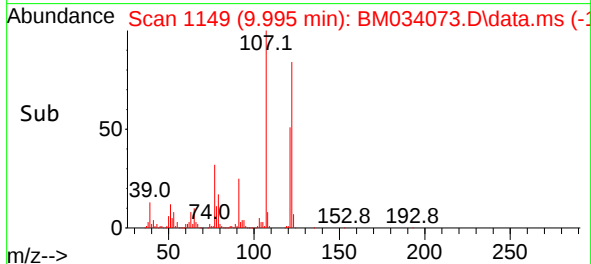
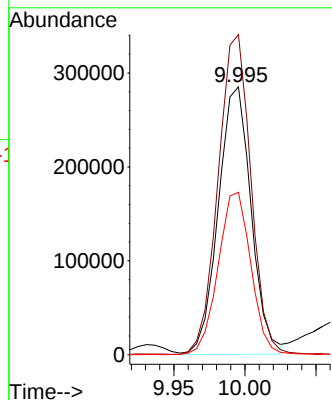
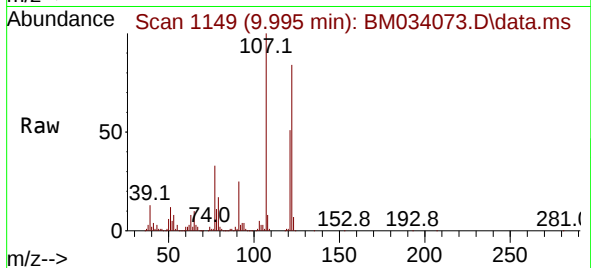
Tgt Ion:122 Resp: 457190

Ion Ratio Lower Upper

122 100

107 119.5 105.3 157.9

121 60.7 49.7 74.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.994 ng

RT: 10.231 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

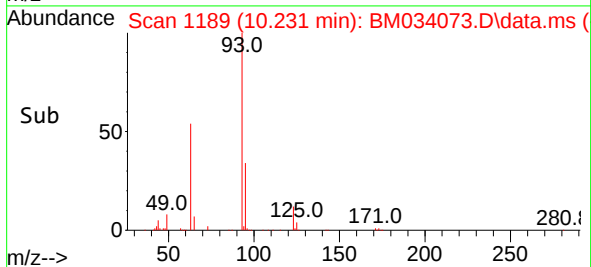
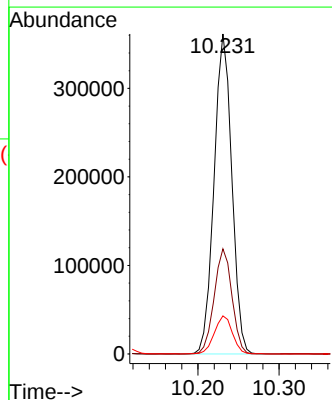
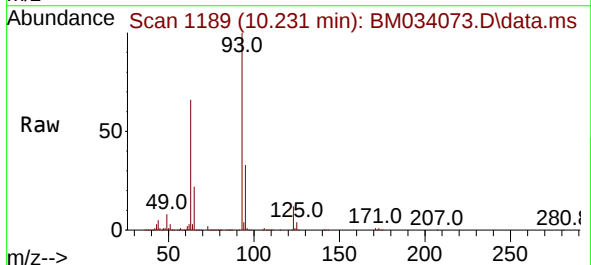
Tgt Ion: 93 Resp: 548712

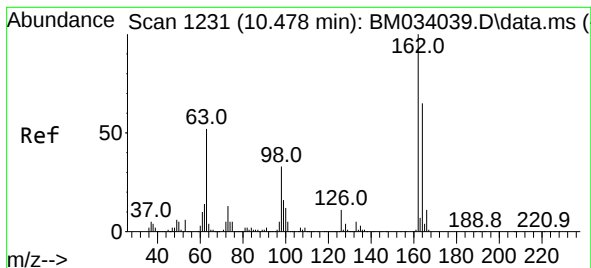
Ion Ratio Lower Upper

93 100

95 32.8 26.8 40.2

123 11.9 8.0 12.0





#29

2,4-Dichlorophenol

Concen: 52.462 ng

RT: 10.472 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

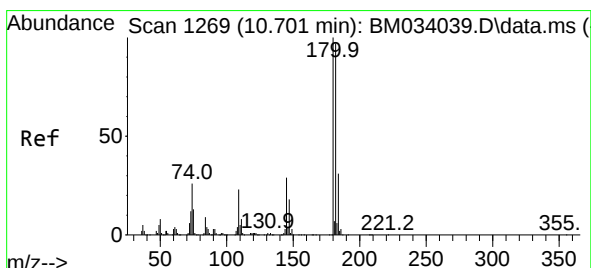
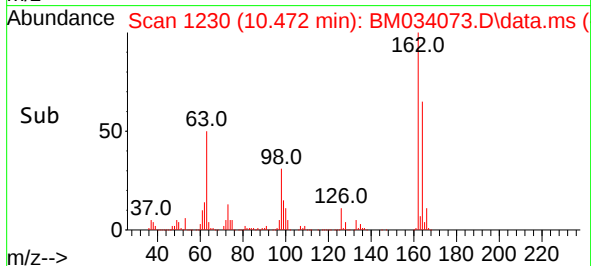
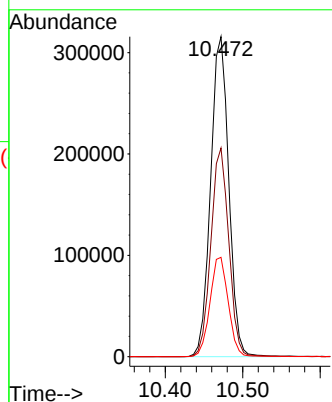
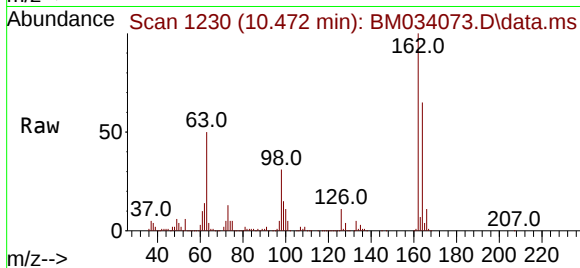
Tgt Ion:162 Resp: 513628

Ion Ratio Lower Upper

162 100

164 65.2 44.4 84.4

98 31.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 51.771 ng

RT: 10.689 min Scan# 1267

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

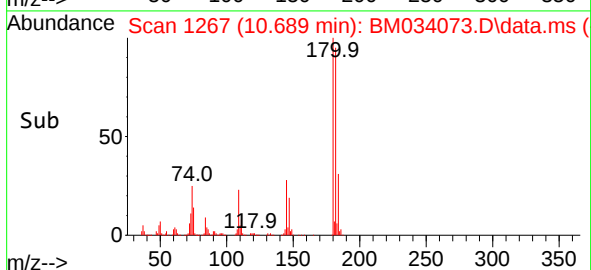
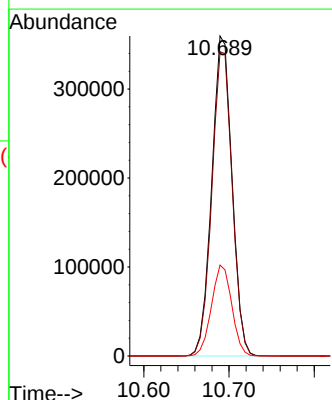
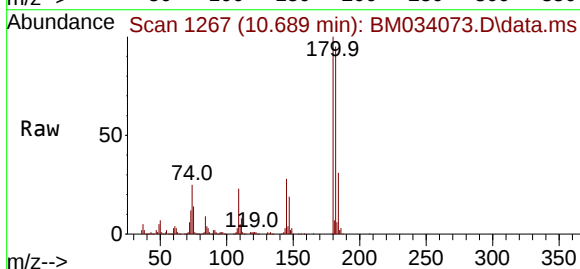
Tgt Ion:180 Resp: 595036

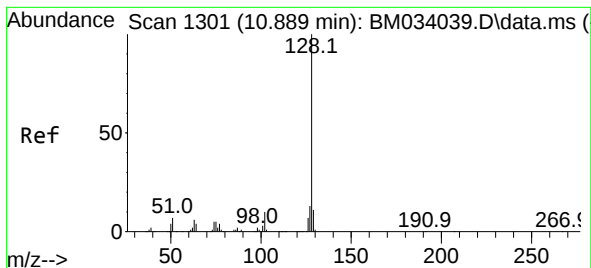
Ion Ratio Lower Upper

180 100

182 95.0 77.8 116.8

145 28.4 26.0 39.0





#31

Naphthalene

Concen: 50.251 ng

RT: 10.878 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

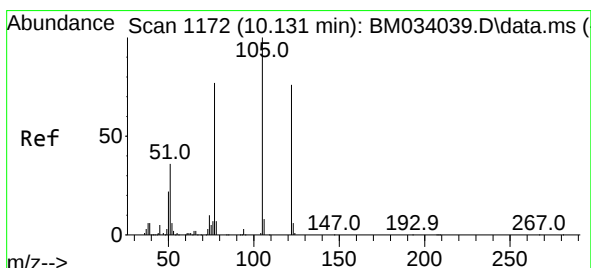
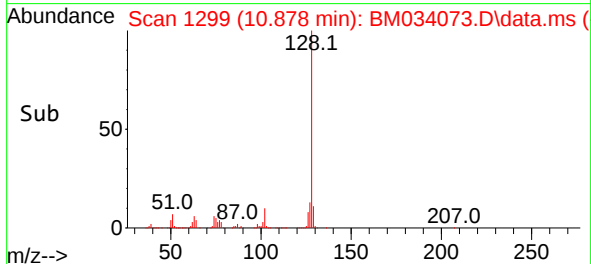
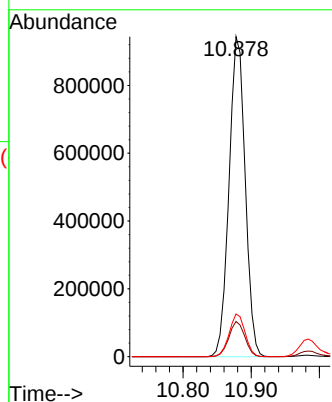
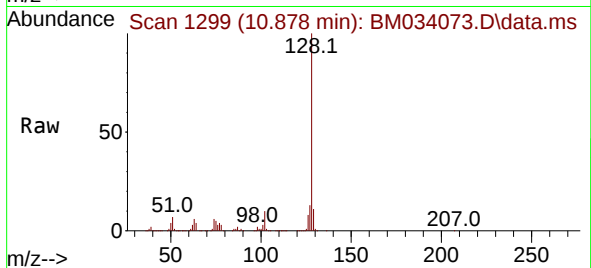
Tgt Ion:128 Resp: 1556738

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 50.211 ng

RT: 10.113 min Scan# 1169

Delta R.T. -0.018 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

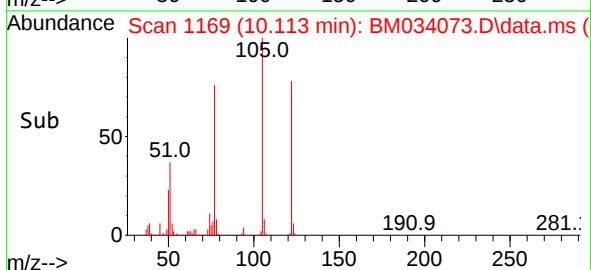
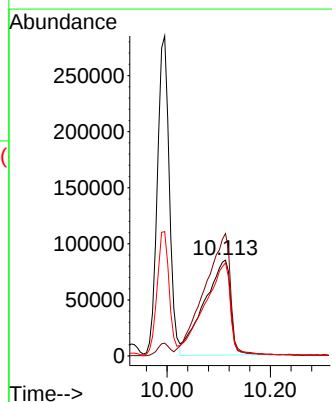
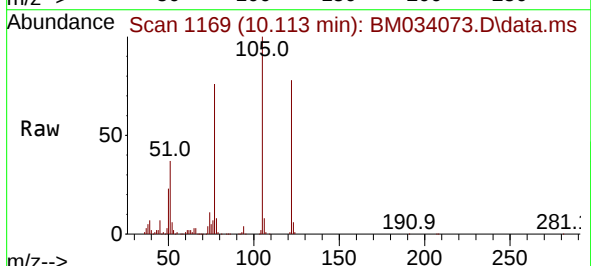
Tgt Ion:122 Resp: 301115

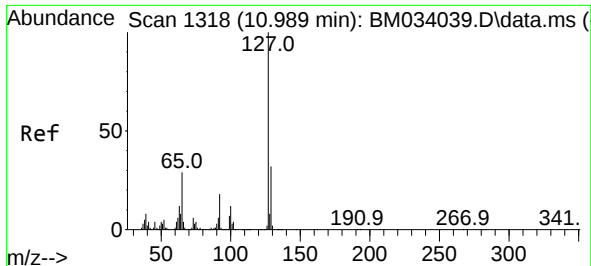
Ion Ratio Lower Upper

122 100

105 127.7 119.6 159.6

77 97.1 101.0 141.0#

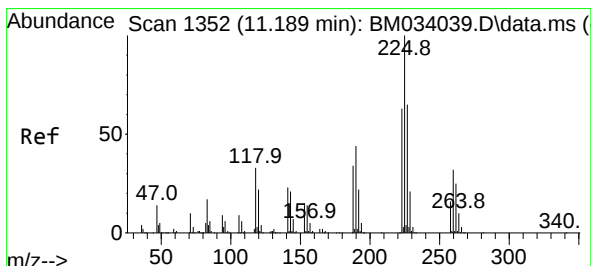
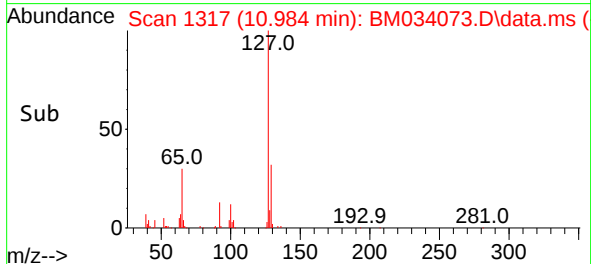
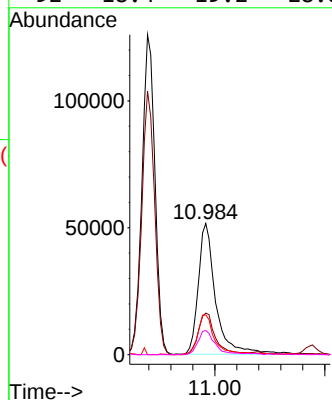
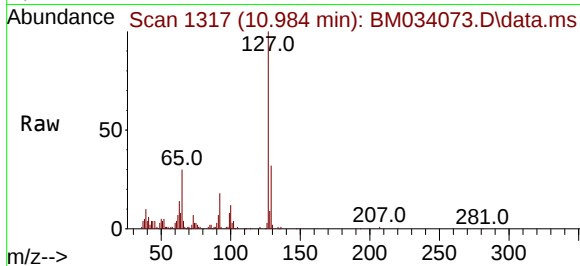




#33
4-Chloroaniline
Concen: 8.874 ng
RT: 10.984 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

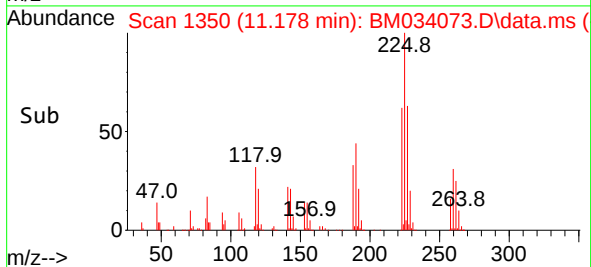
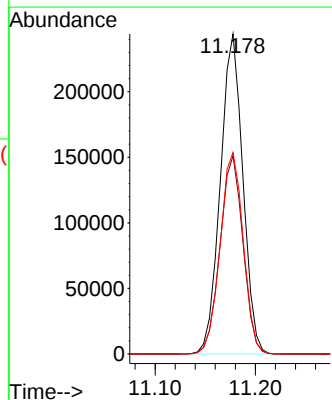
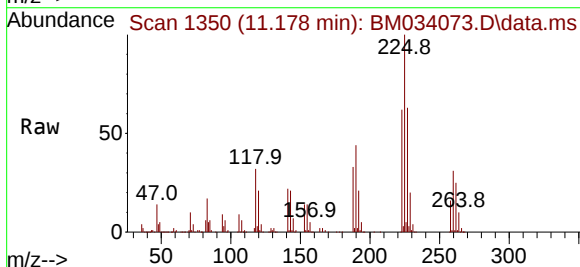
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

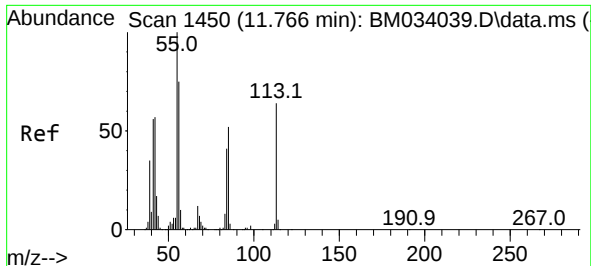
Tgt Ion:127	Resp: 112562
Ion Ratio	Lower Upper
127 100	
129 31.7	26.2 39.4
65 30.3	33.0 49.6#
92 18.4	19.2 28.8#



#34
Hexachlorobutadiene
Concen: 51.936 ng
RT: 11.178 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:225	Resp: 379280
Ion Ratio	Lower Upper
225 100	
223 61.9	52.5 78.7
227 63.0	52.7 79.1

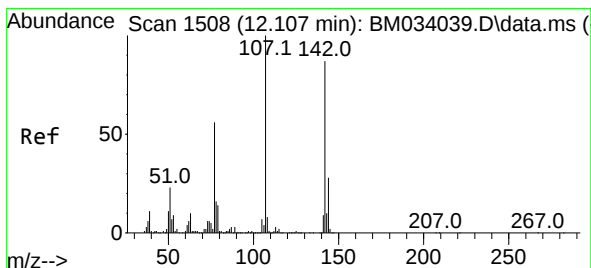
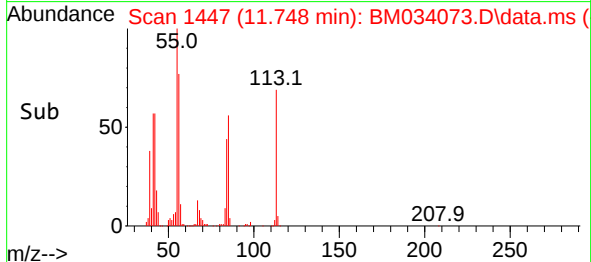
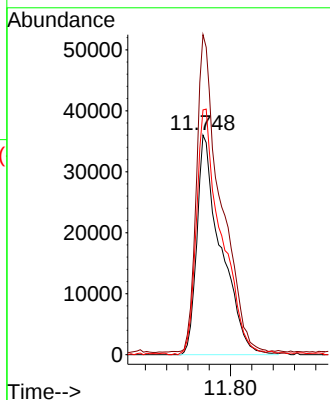
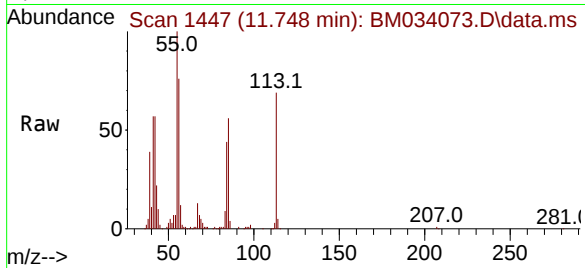




#35
Caprolactam
Concen: 56.967 ng
RT: 11.748 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

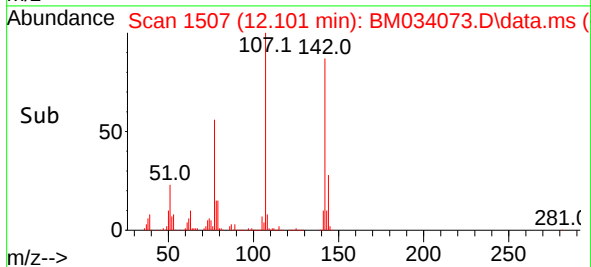
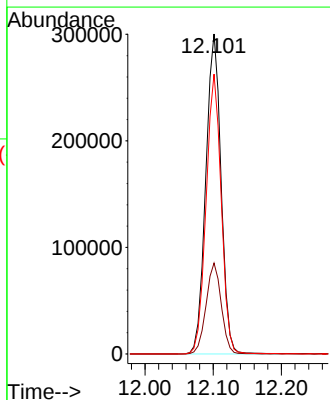
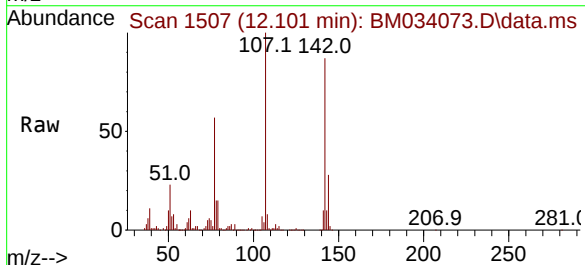
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

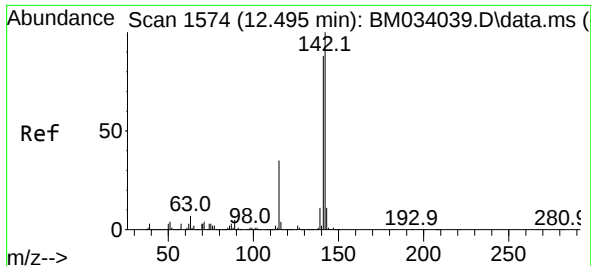
Tgt Ion:113 Resp: 112430
Ion Ratio Lower Upper
113 100
55 145.8 183.6 223.6#
56 111.5 143.7 183.7#



#36
4-Chloro-3-methylphenol
Concen: 48.509 ng
RT: 12.101 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:107 Resp: 467647
Ion Ratio Lower Upper
107 100
144 28.4 18.6 27.8#
142 87.4 56.9 85.3#

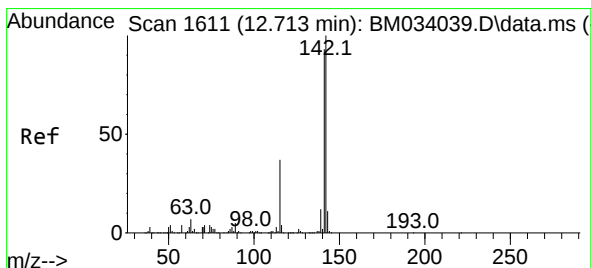
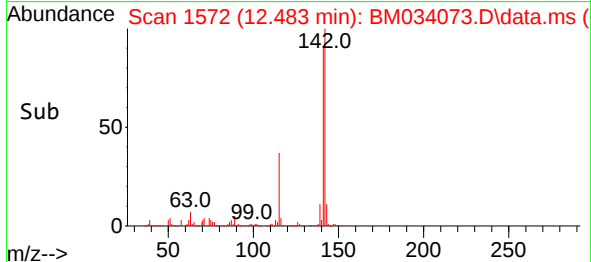
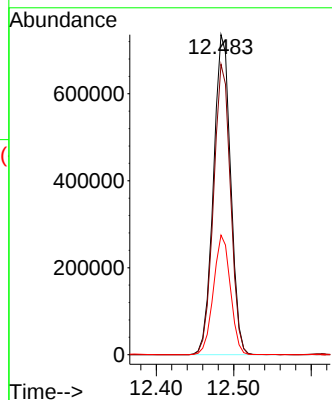
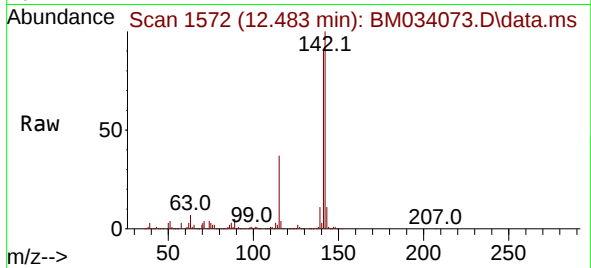




#37
2-Methylnaphthalene
Concen: 50.323 ng
RT: 12.483 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

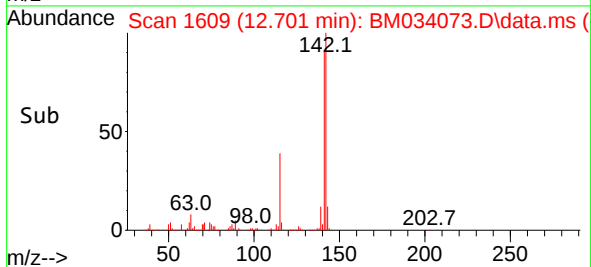
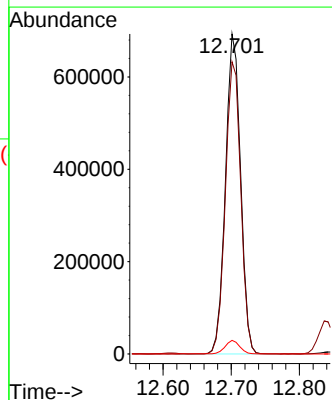
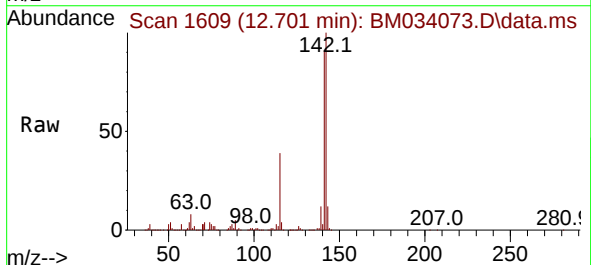
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

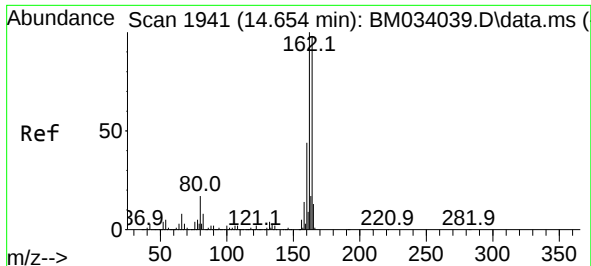
Tgt Ion:142 Resp: 1137383
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.2
115 37.4 33.0 49.6



#38
1-Methylnaphthalene
Concen: 48.424 ng
RT: 12.701 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:142 Resp: 1067134
Ion Ratio Lower Upper
142 100
141 91.3 75.0 112.4
116 4.3 3.5 5.3

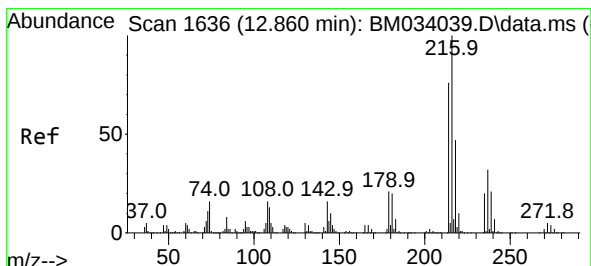
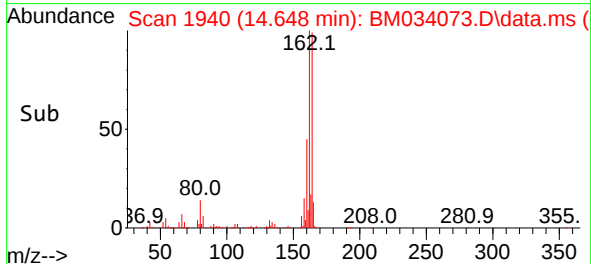
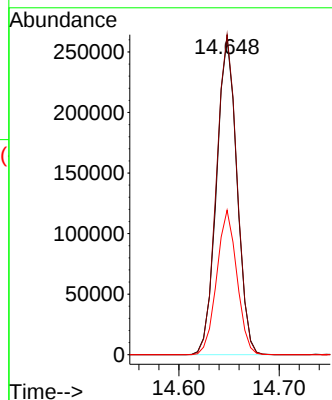
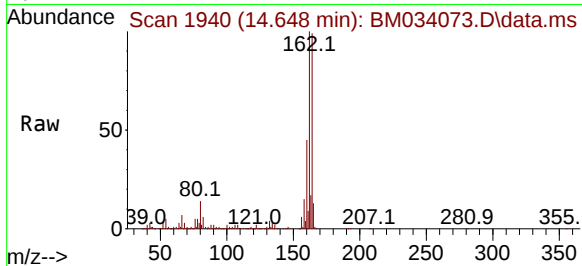




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.648 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

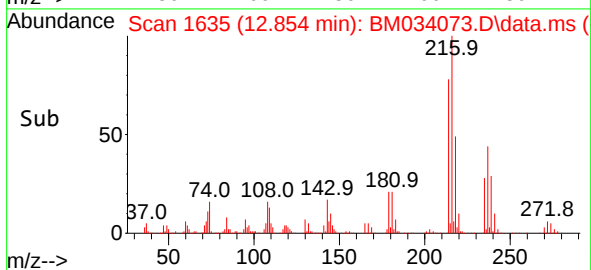
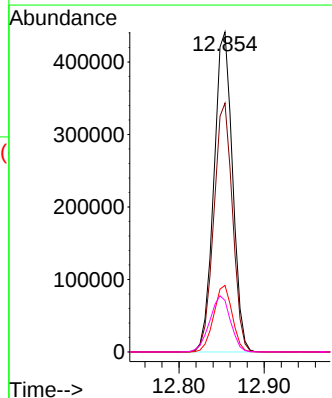
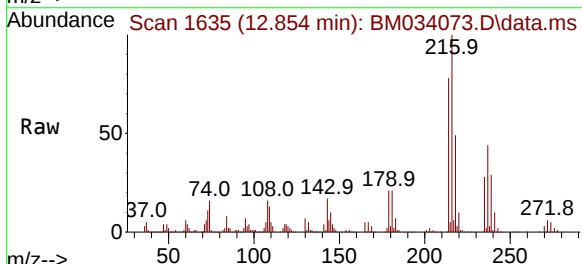
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BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

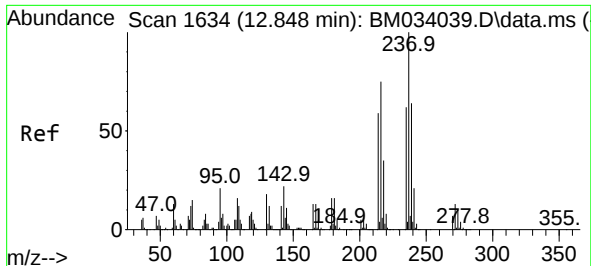
Tgt Ion:164 Resp: 369818
Ion Ratio Lower Upper
164 100
162 100.9 79.7 119.5
160 45.6 34.2 51.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.781 ng
RT: 12.854 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:216 Resp: 671343
Ion Ratio Lower Upper
216 100
214 78.1 62.6 93.8
179 20.8 18.2 27.2
108 19.6 18.0 27.0

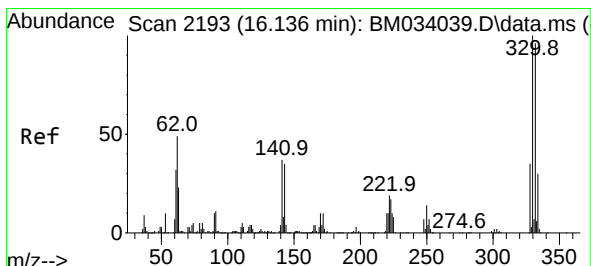
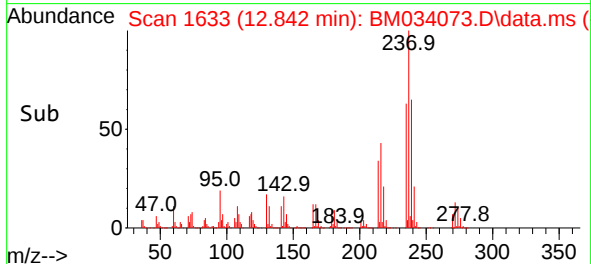
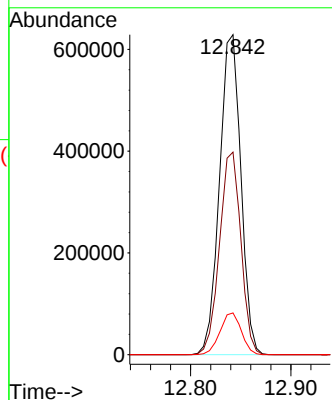
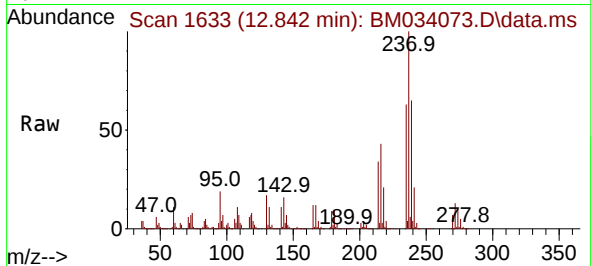




#41
Hexachlorocyclopentadiene
Concen: 134.707 ng
RT: 12.842 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

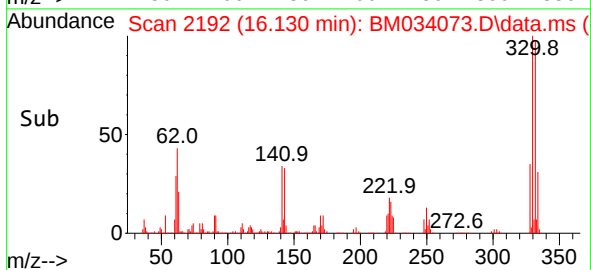
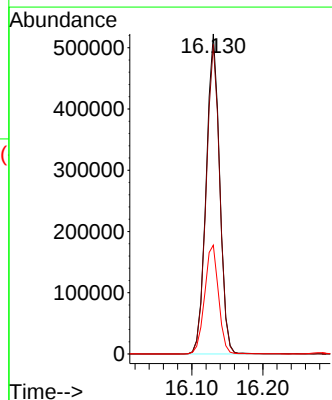
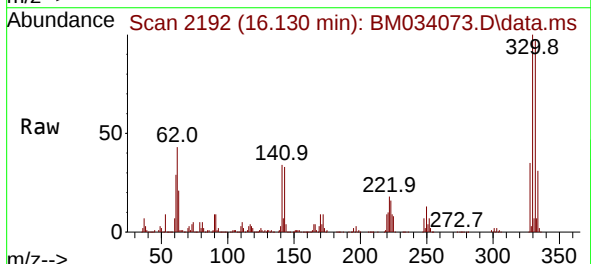
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

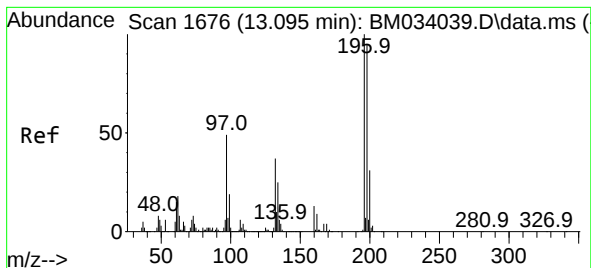
Tgt Ion:237 Resp: 930383
Ion Ratio Lower Upper
237 100
235 63.3 41.7 81.7
272 13.1 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 153.771 ng
RT: 16.130 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:330 Resp: 690183
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 35.0 35.9 53.9#





#43

2,4,6-Trichlorophenol

Concen: 57.288 ng

RT: 13.083 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

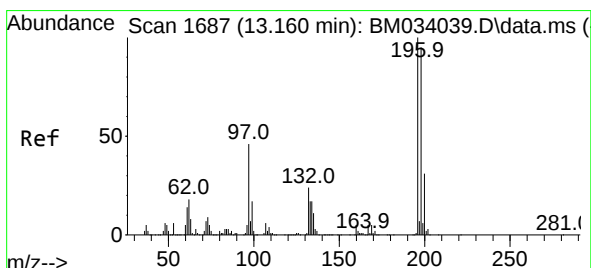
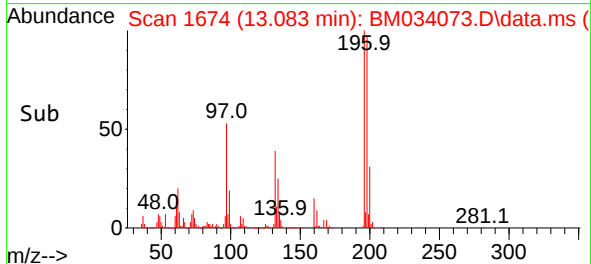
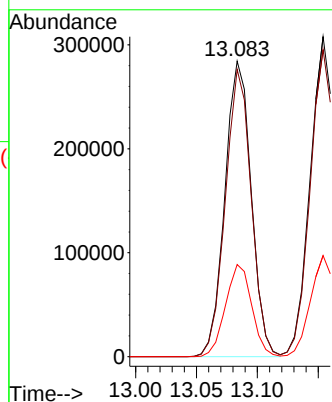
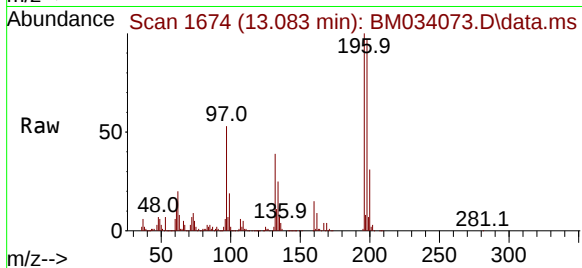
Tgt Ion:196 Resp: 428331

Ion Ratio Lower Upper

196 100

198 97.2 75.1 112.7

200 31.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 59.239 ng

RT: 13.154 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Tgt Ion:196 Resp: 449946

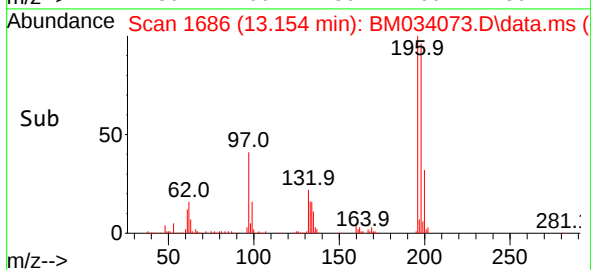
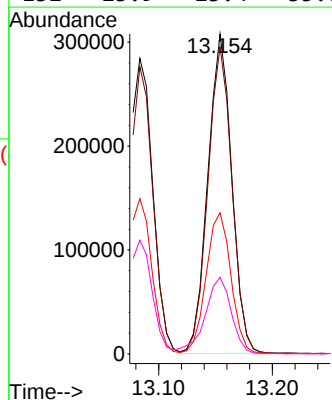
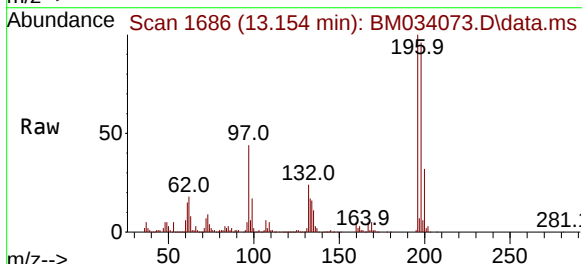
Ion Ratio Lower Upper

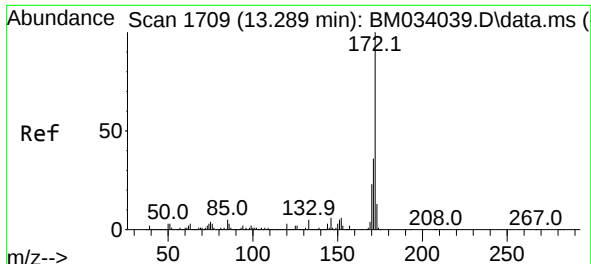
196 100

198 96.0 77.8 116.6

97 44.2 49.7 74.5#

132 23.9 23.4 35.0

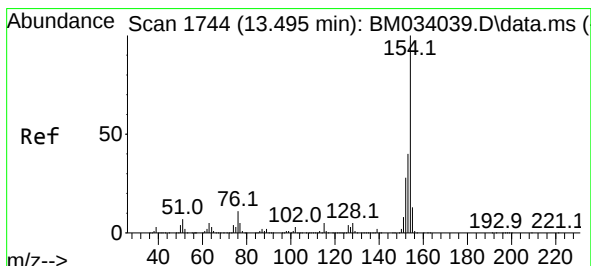
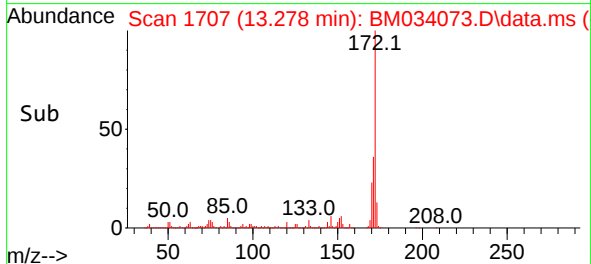
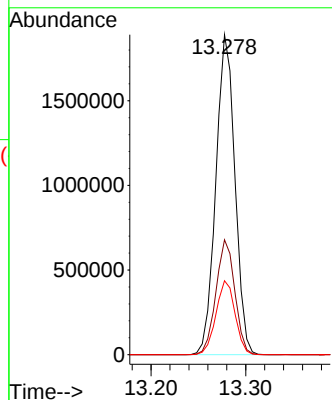
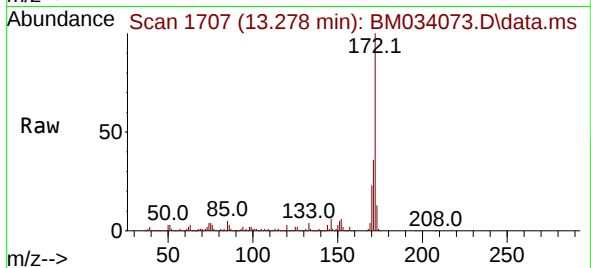




#45
2-Fluorobiphenyl
Concen: 95.412 ng
RT: 13.278 min Scan# 1707
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

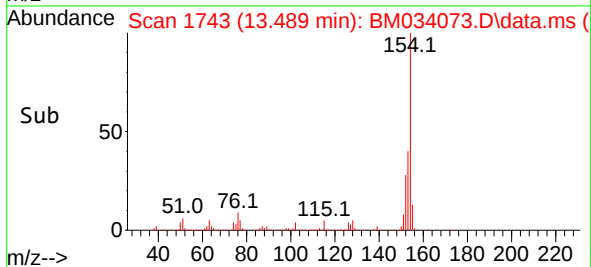
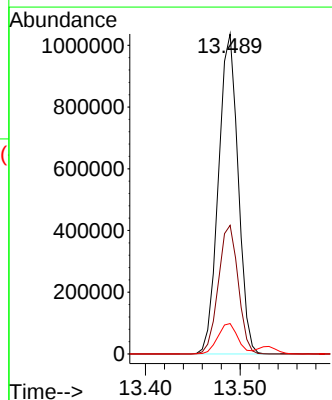
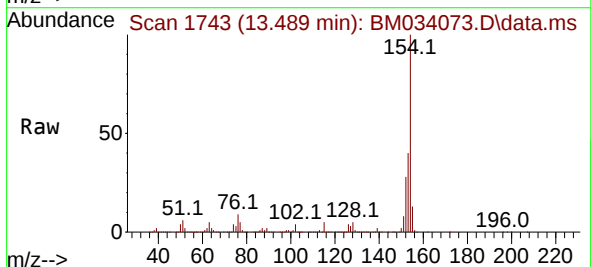
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

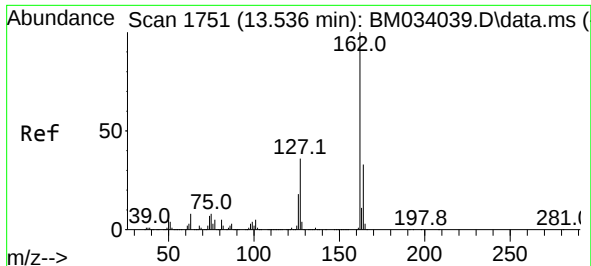
Tgt Ion:172 Resp: 2648440
Ion Ratio Lower Upper
172 100
171 35.9 27.2 40.8
170 23.1 18.7 28.1



#46
1,1'-Biphenyl
Concen: 52.932 ng
RT: 13.489 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:154 Resp: 1495626
Ion Ratio Lower Upper
154 100
153 40.2 20.7 60.7
76 9.5 0.0 34.4

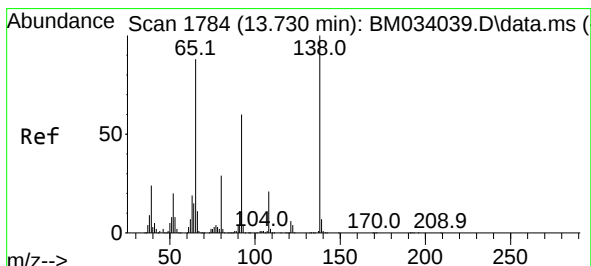
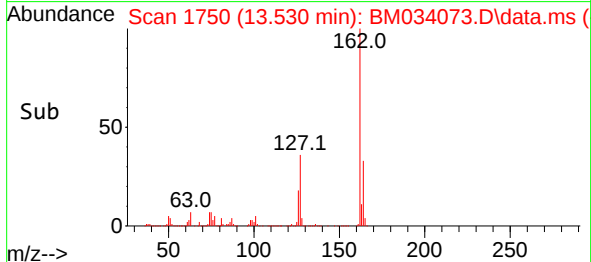
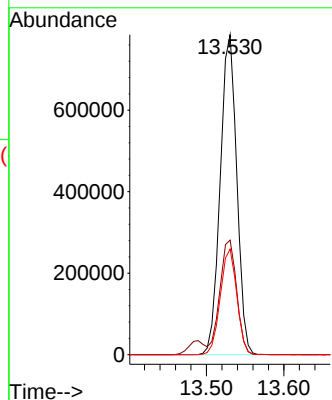
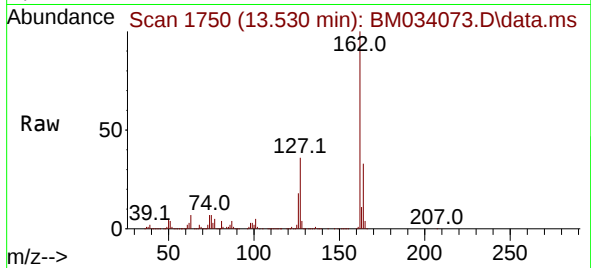




#47
2-Chloronaphthalene
Concen: 52.777 ng
RT: 13.530 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

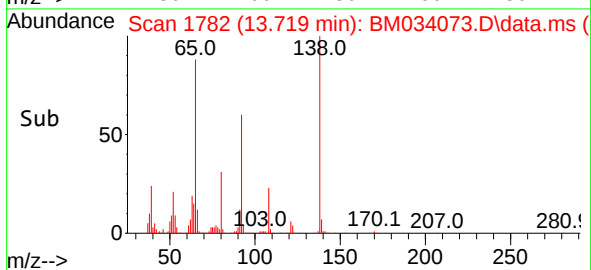
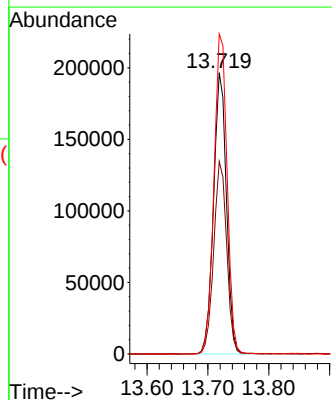
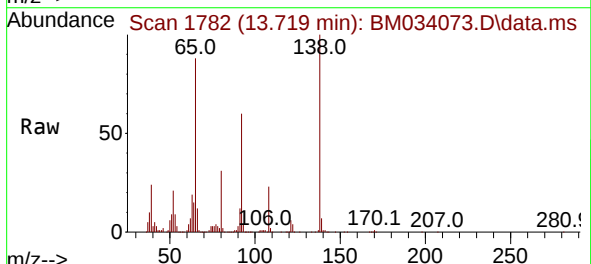
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

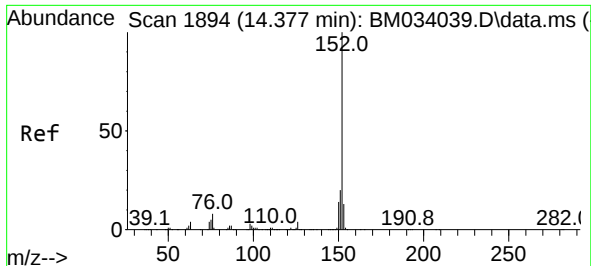
Tgt Ion:162 Resp: 1164438
Ion Ratio Lower Upper
162 100
127 35.8 33.8 50.6
164 33.0 26.2 39.4



#48
2-Nitroaniline
Concen: 55.379 ng
RT: 13.719 min Scan# 1782
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion: 65 Resp: 290171
Ion Ratio Lower Upper
65 100
92 68.4 50.0 75.0
138 113.8 65.7 98.5#

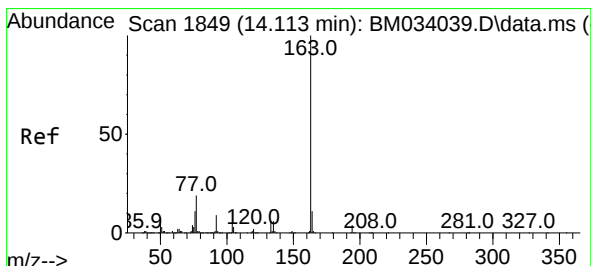
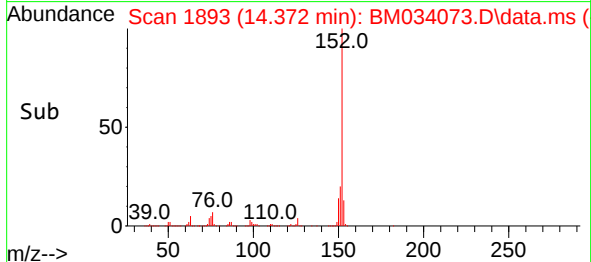
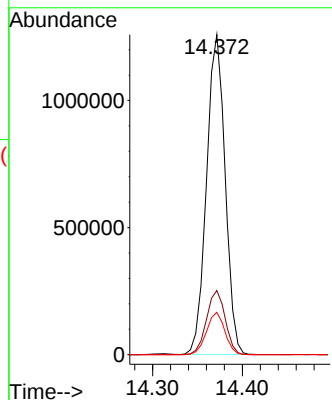
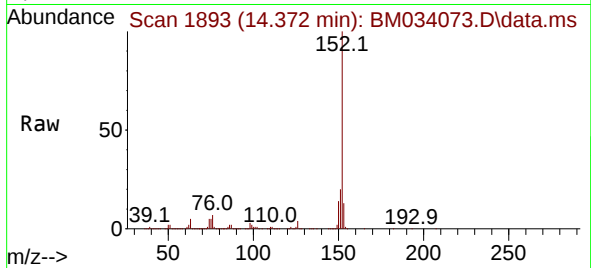




#49
Acenaphthylene
Concen: 54.773 ng
RT: 14.372 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

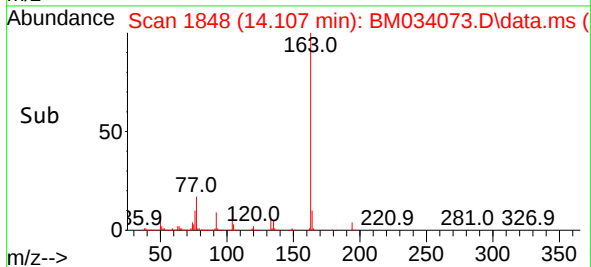
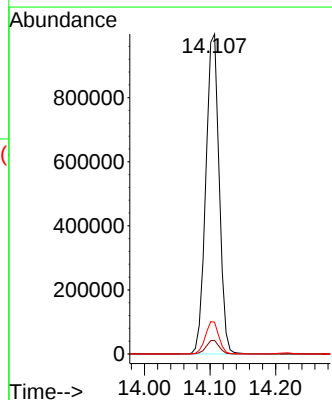
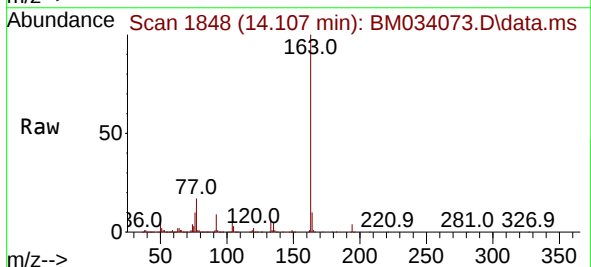
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

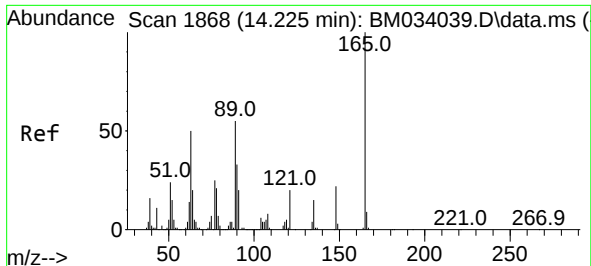
Tgt Ion:152 Resp: 1811081
Ion Ratio Lower Upper
152 100
151 20.1 15.4 23.2
153 13.3 10.4 15.6



#50
Dimethylphthalate
Concen: 51.554 ng
RT: 14.107 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:163 Resp: 1413473
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.0 8.6 12.8

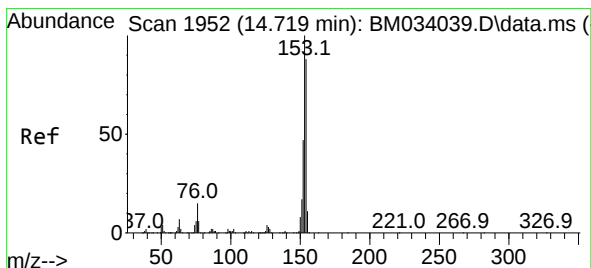
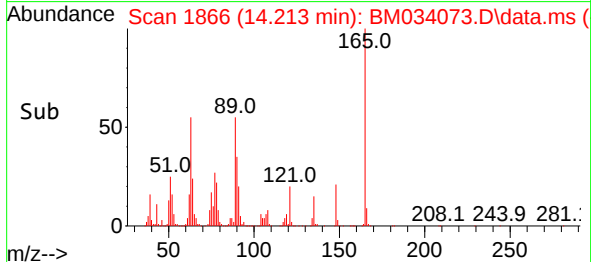
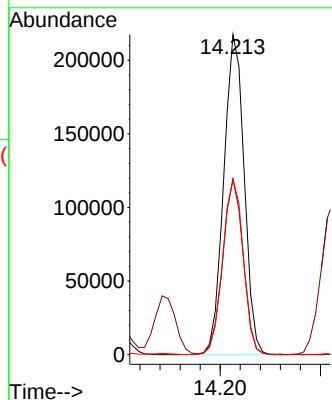
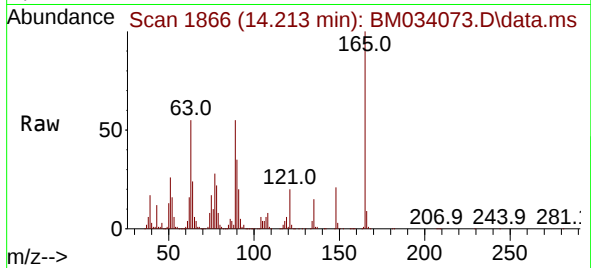




#51
2,6-Dinitrotoluene
Concen: 56.682 ng
RT: 14.213 min Scan# 1866
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

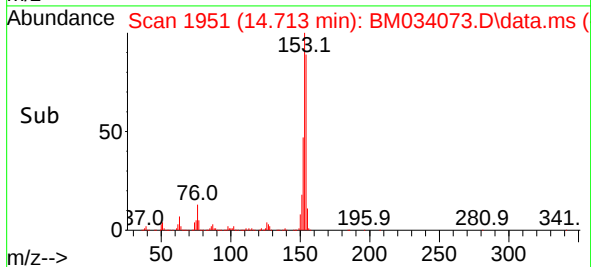
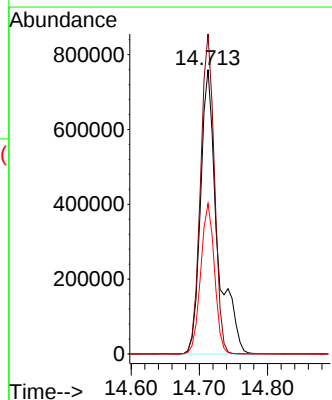
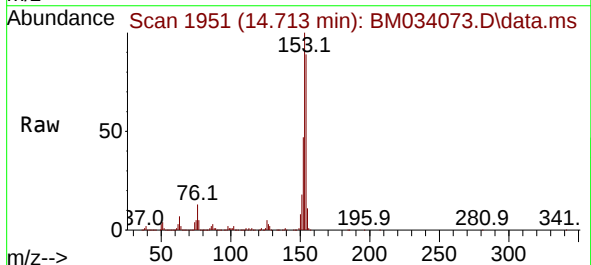
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

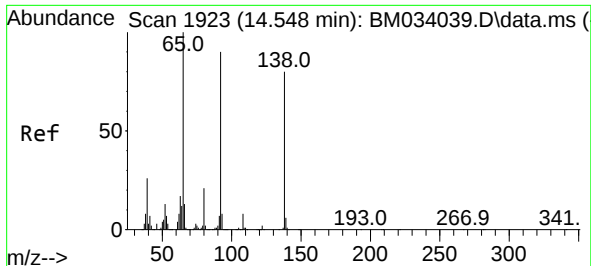
Tgt Ion:165 Resp: 307516
Ion Ratio Lower Upper
165 100
63 54.9 56.9 85.3#
89 54.7 54.3 81.5



#52
Acenaphthene
Concen: 59.690 ng
RT: 14.713 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:154 Resp: 1304133
Ion Ratio Lower Upper
154 100
153 112.5 90.2 135.4
152 52.9 43.5 65.3

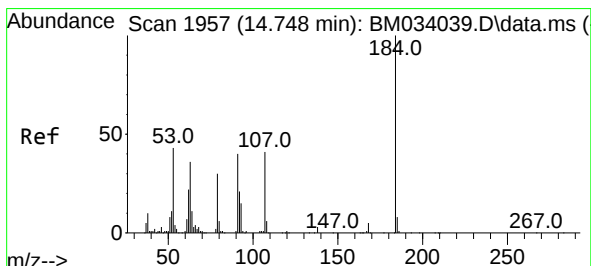
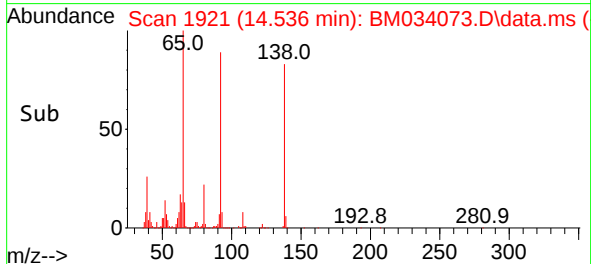
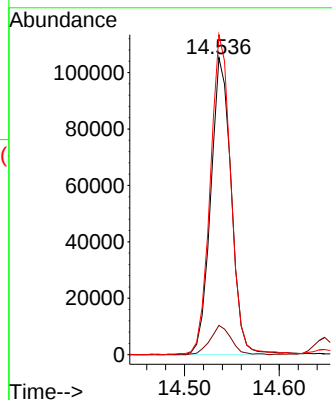
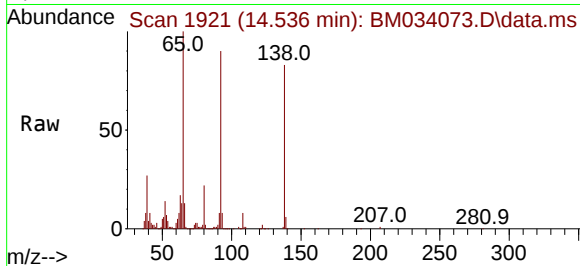




#53
3-Nitroaniline
Concen: 29.147 ng
RT: 14.536 min Scan# 1921
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

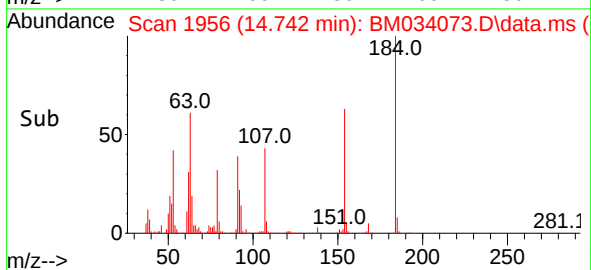
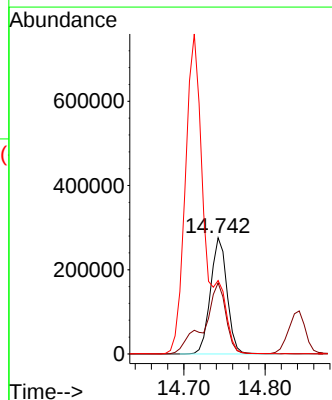
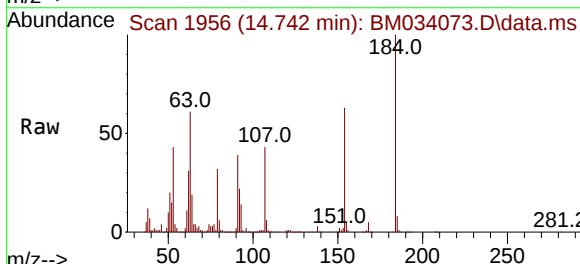
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

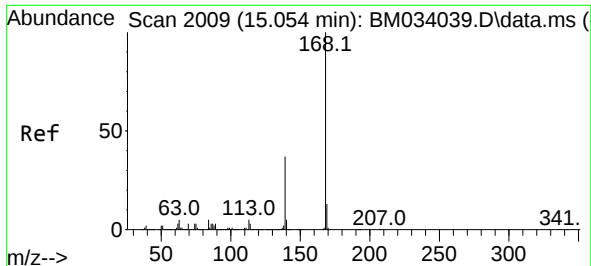
Tgt Ion:138 Resp: 158169
Ion Ratio Lower Upper
138 100
108 9.8 9.5 14.3
92 107.7 106.6 159.8



#54
2,4-Dinitrophenol
Concen: 126.499 ng
RT: 14.742 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:184 Resp: 389972
Ion Ratio Lower Upper
184 100
63 61.2 71.8 107.6#
154 63.2 55.7 83.5

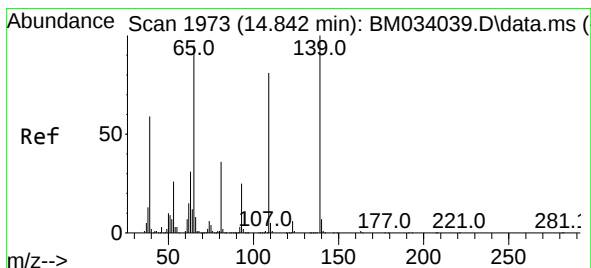
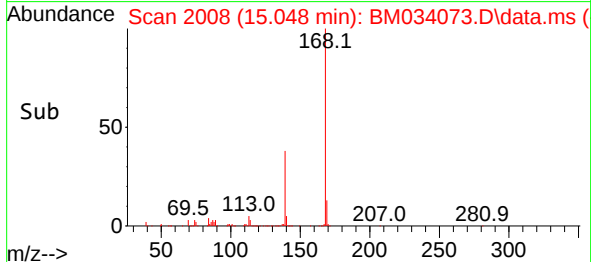
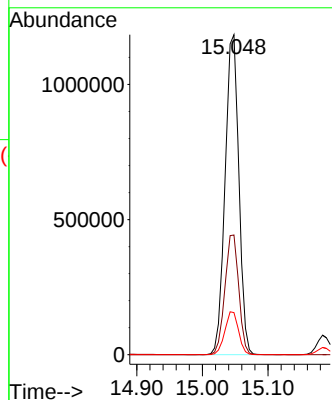
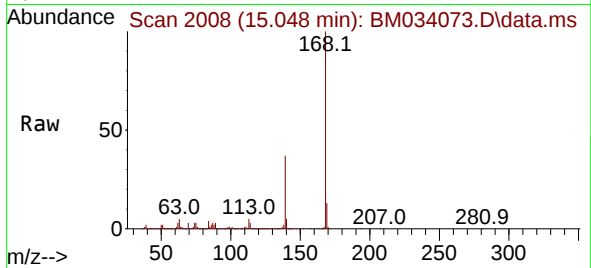




#55
Dibenzenofuran
Concen: 50.363 ng
RT: 15.048 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

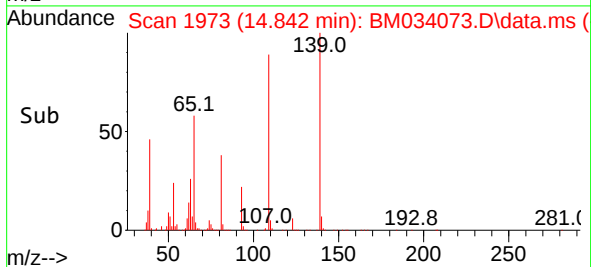
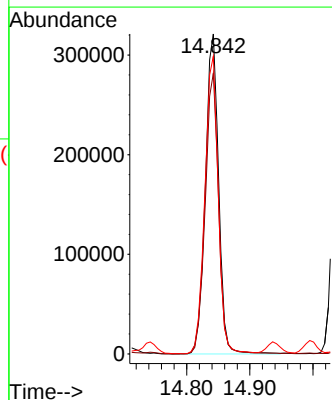
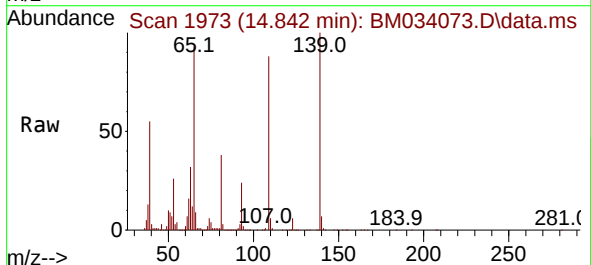
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

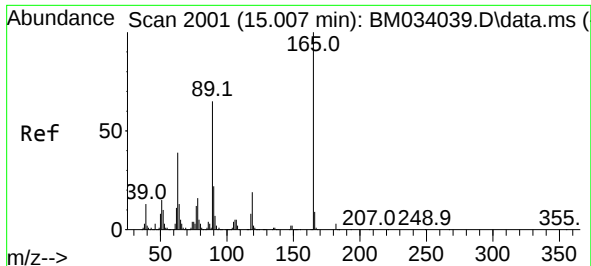
Tgt Ion:168 Resp: 1718778
Ion Ratio Lower Upper
168 100
139 37.4 31.4 47.2
169 13.2 10.6 15.8



#56
4-Nitrophenol
Concen: 106.725 ng
RT: 14.842 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:139 Resp: 468117
Ion Ratio Lower Upper
139 100
109 87.7 75.3 115.3
65 93.0 107.4 147.4#

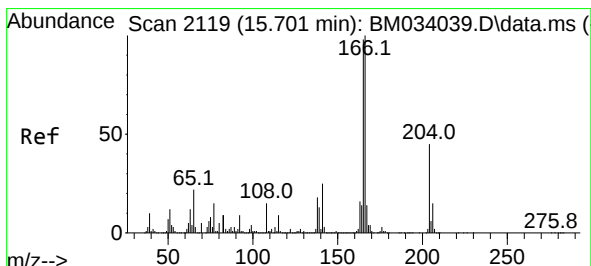
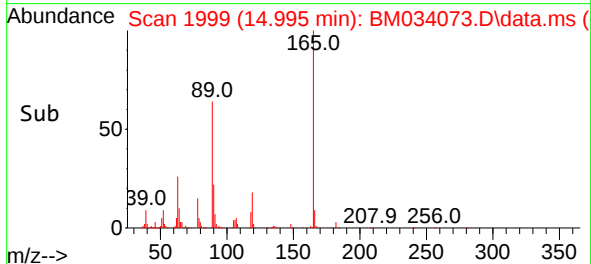
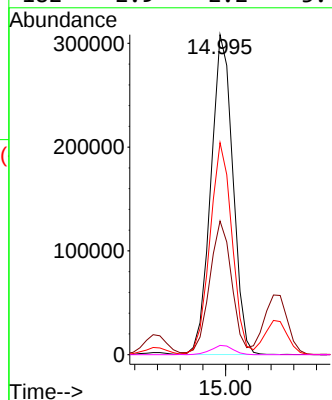
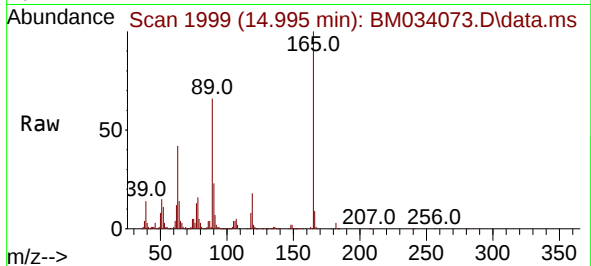




#57
2,4-Dinitrotoluene
Concen: 58.788 ng
RT: 14.995 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

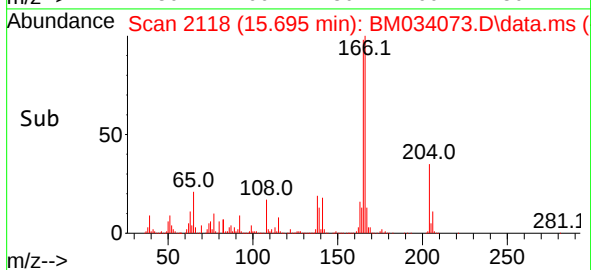
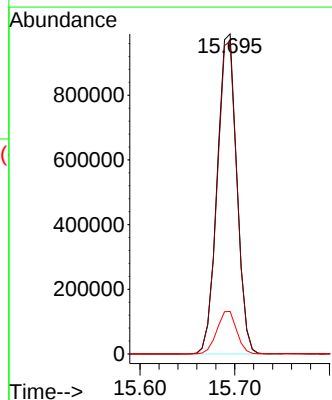
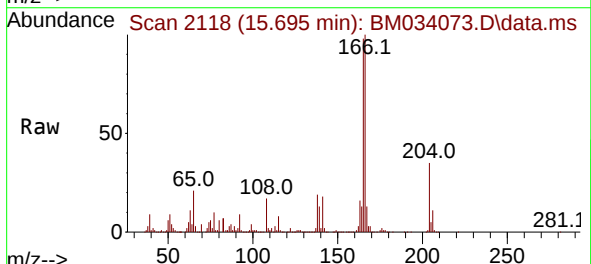
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

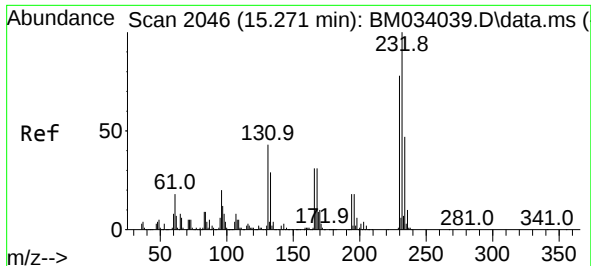
Tgt Ion:165 Resp: 414753
Ion Ratio Lower Upper
165 100
63 41.8 46.2 69.4#
89 66.2 72.0 108.0#
182 2.9 2.2 3.4



#58
Fluorene
Concen: 51.868 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:166 Resp: 1422961
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.3 10.6 15.8

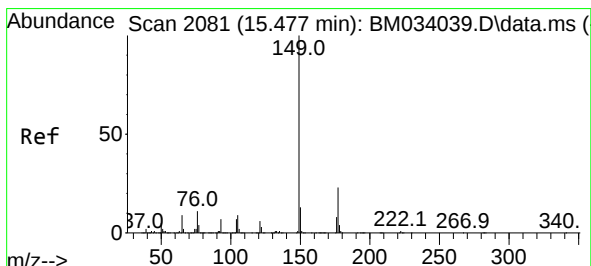
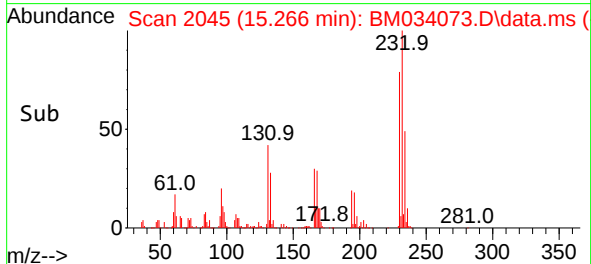
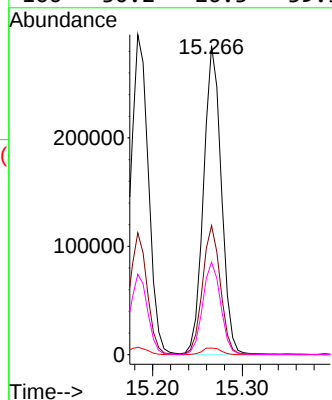
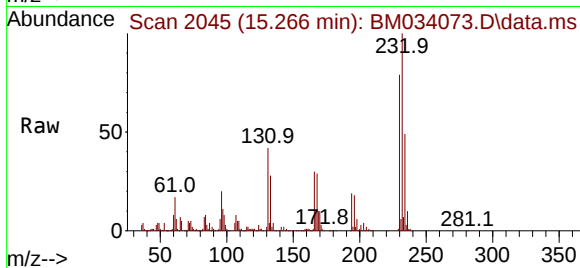




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.661 ng
RT: 15.266 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

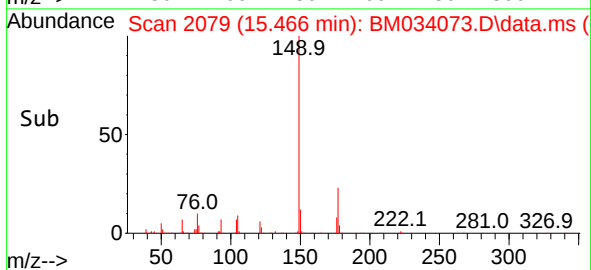
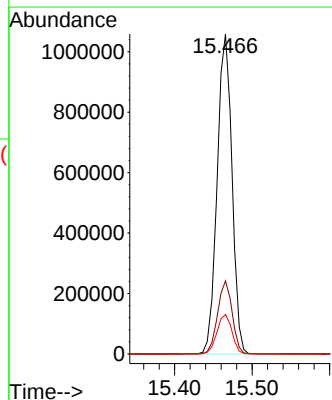
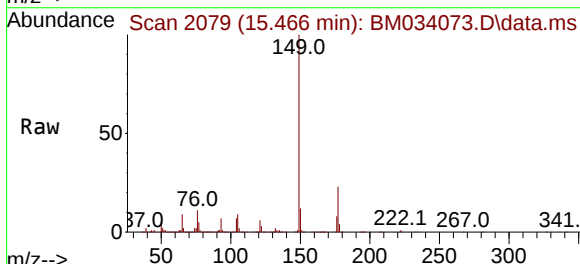
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

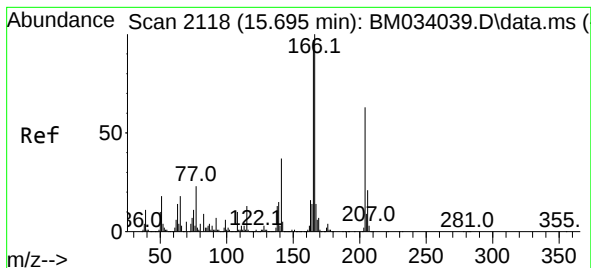
Tgt Ion:232 Resp: 391791
Ion Ratio Lower Upper
232 100
131 41.7 41.4 62.0
130 2.3 2.4 3.6#
166 30.2 26.3 39.5



#60
Diethylphthalate
Concen: 51.159 ng
RT: 15.466 min Scan# 2079
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:149 Resp: 1402606
Ion Ratio Lower Upper
149 100
177 22.8 17.5 26.3
150 12.3 10.3 15.5

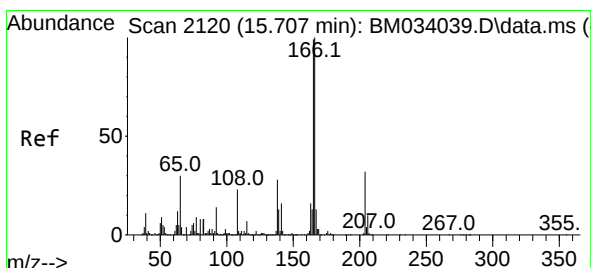
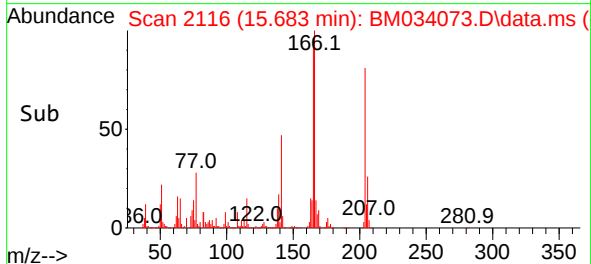
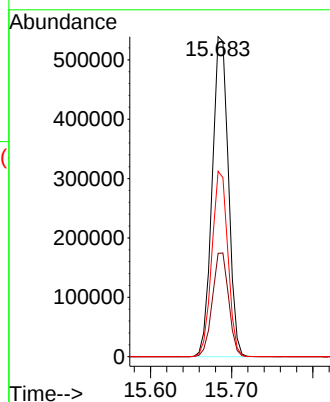
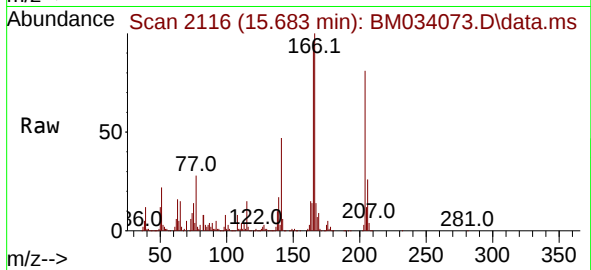




#61
4-Chlorophenyl-phenylether
Concen: 50.770 ng
RT: 15.683 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

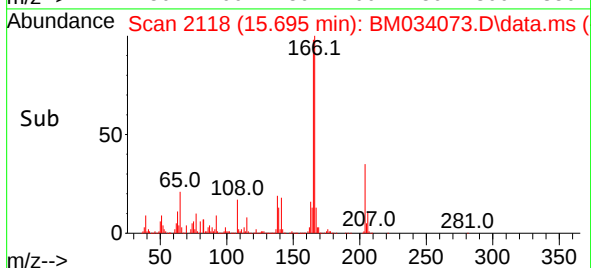
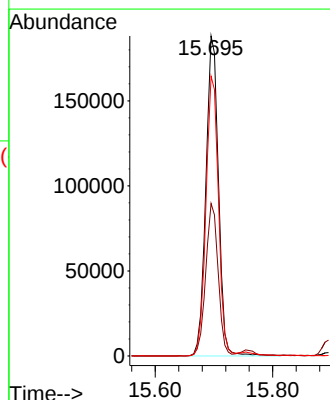
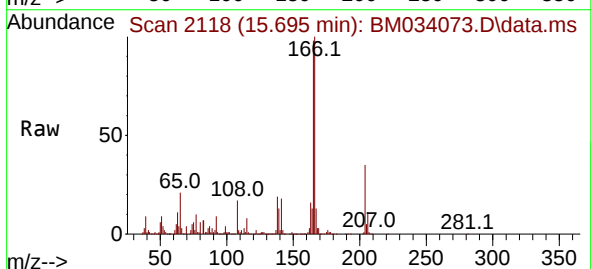
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

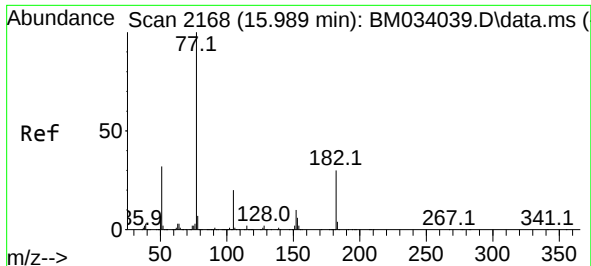
Tgt Ion:204 Resp: 745895
Ion Ratio Lower Upper
204 100
206 32.3 25.4 38.2
141 57.9 50.6 76.0



#62
4-Nitroaniline
Concen: 49.624 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:138 Resp: 279468
Ion Ratio Lower Upper
138 100
92 47.6 38.7 78.7
108 87.4 81.9 121.9

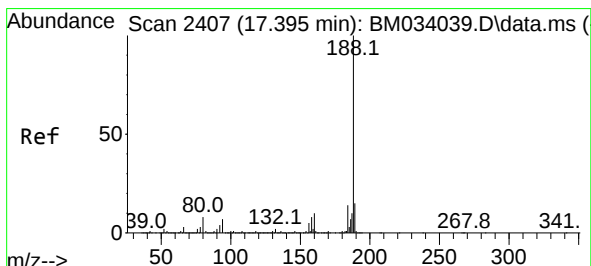
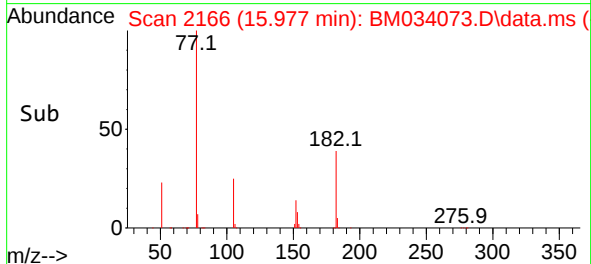
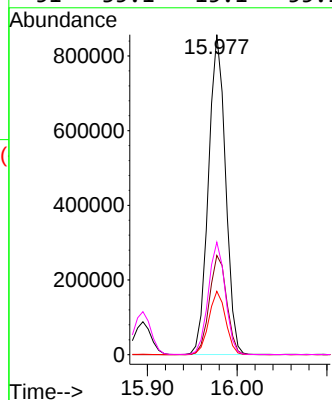
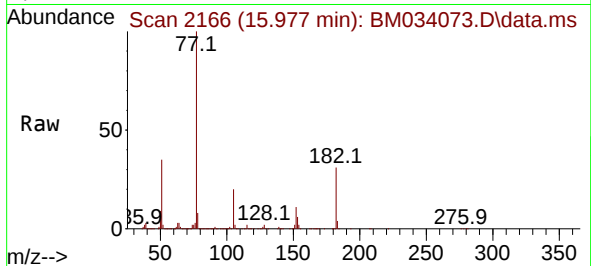




#63
Azobenzene
Concen: 47.523 ng
RT: 15.977 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

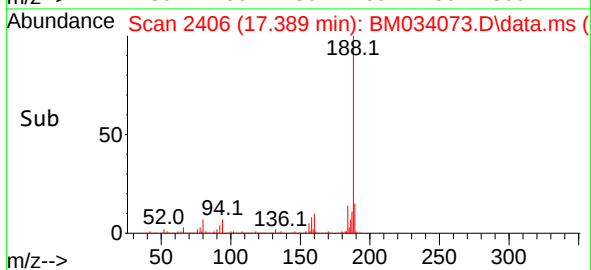
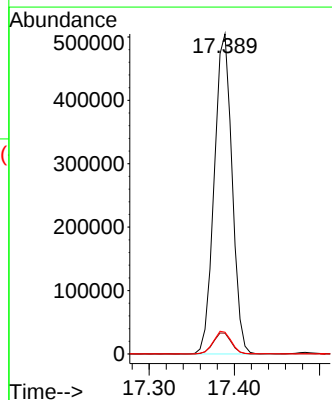
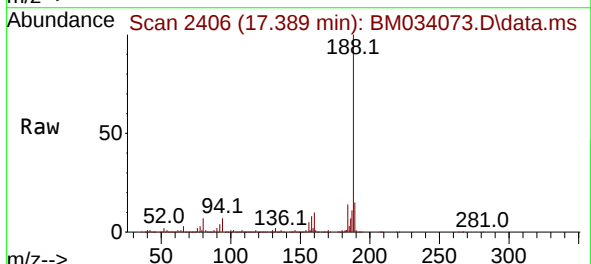
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

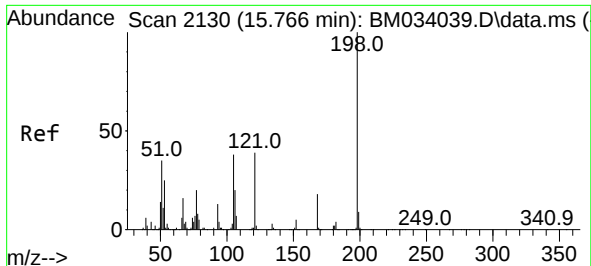
Tgt Ion: 77 Resp: 1131803
Ion Ratio Lower Upper
77 100
182 31.0 0.3 40.3
105 19.8 0.0 38.3
51 35.1 15.1 55.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.389 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:188 Resp: 733984
Ion Ratio Lower Upper
188 100
94 6.5 7.5 11.3#
80 6.8 8.9 13.3#

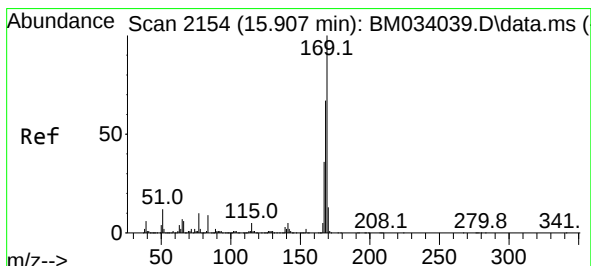
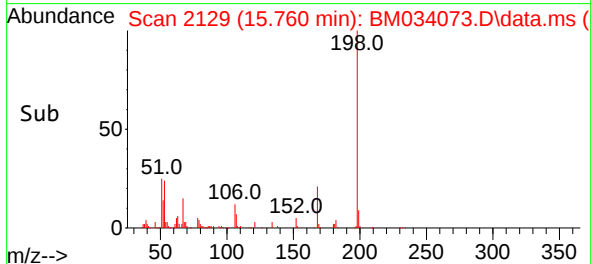
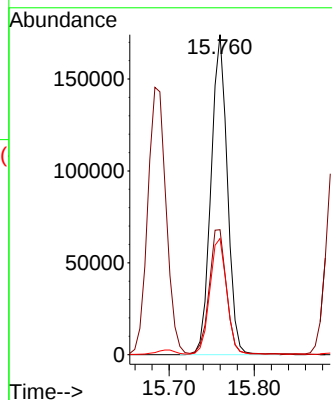
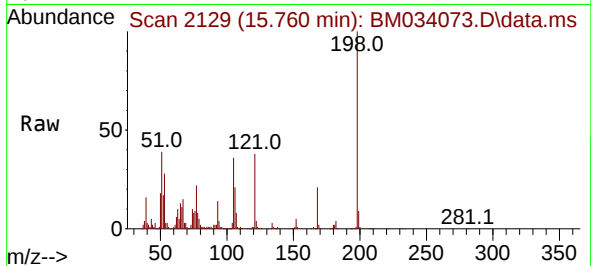




#65
4,6-Dinitro-2-methylphenol
Concen: 53.737 ng
RT: 15.760 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

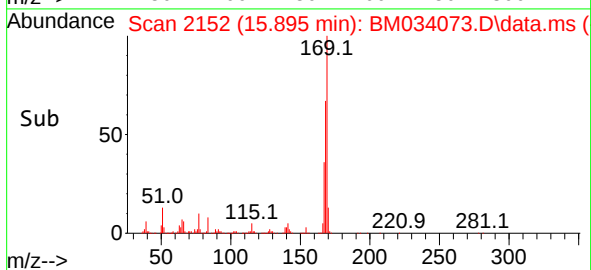
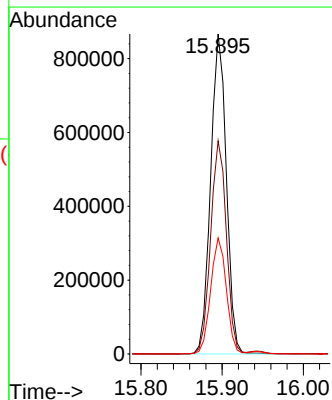
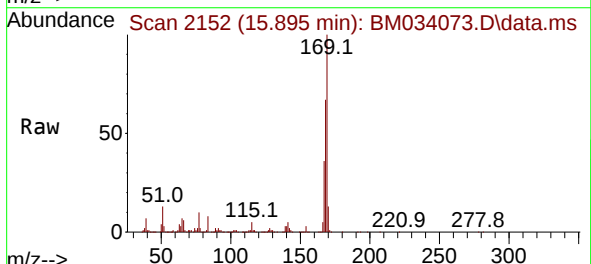
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

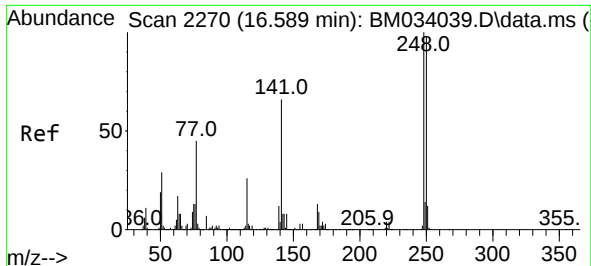
Tgt Ion:198 Resp: 231188
Ion Ratio Lower Upper
198 100
51 39.1 47.9 87.9#
105 36.3 32.6 72.6



#66
n-Nitrosodiphenylamine
Concen: 50.633 ng
RT: 15.895 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:169 Resp: 1163498
Ion Ratio Lower Upper
169 100
168 66.6 52.5 78.7
167 36.2 28.4 42.6

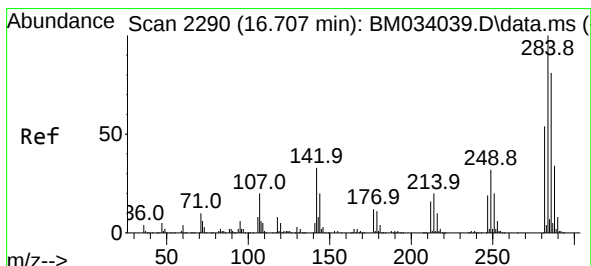
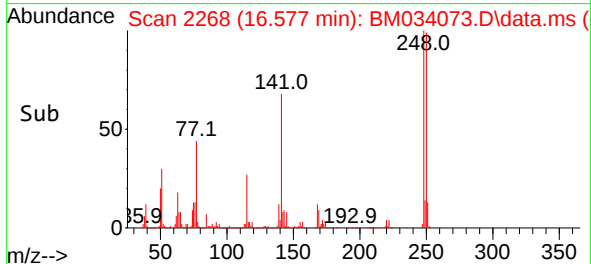
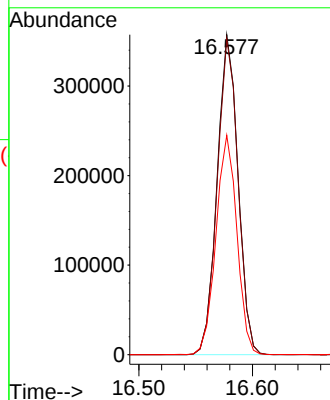
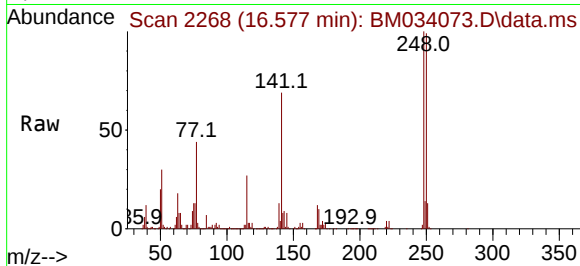




#67
4-Bromophenyl-phenylether
Concen: 55.169 ng
RT: 16.577 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

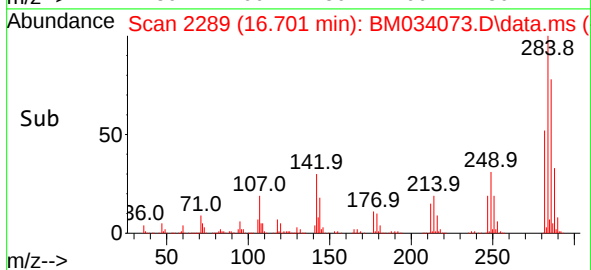
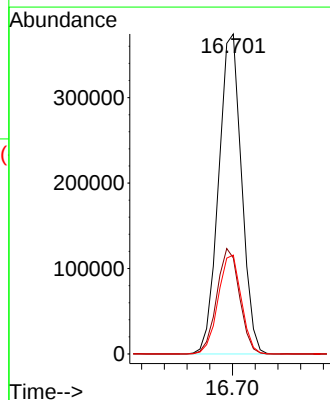
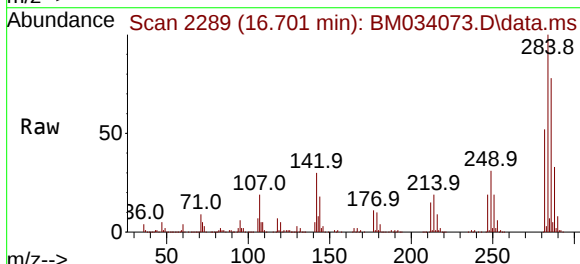
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

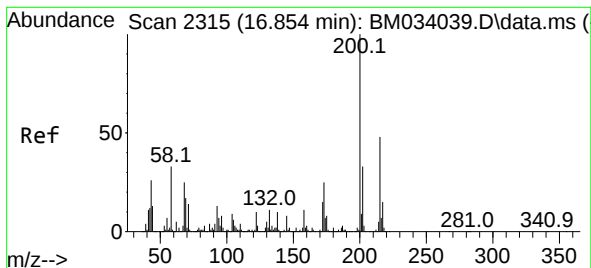
Tgt Ion:248 Resp: 457441
Ion Ratio Lower Upper
248 100
250 98.8 78.2 117.2
141 68.5 65.4 98.2



#68
Hexachlorobenzene
Concen: 54.924 ng
RT: 16.701 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:284 Resp: 524724
Ion Ratio Lower Upper
284 100
142 30.0 33.1 49.7#
249 30.9 27.3 40.9





#69

Atrazine

Concen: 49.955 ng

RT: 16.842 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

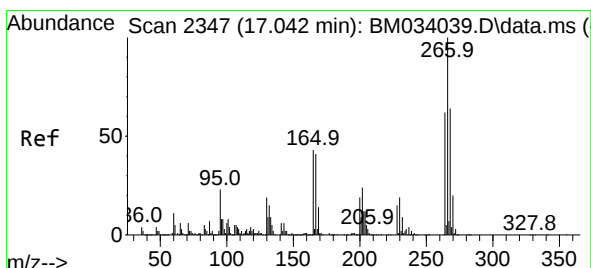
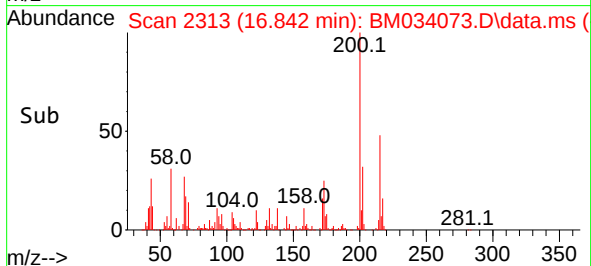
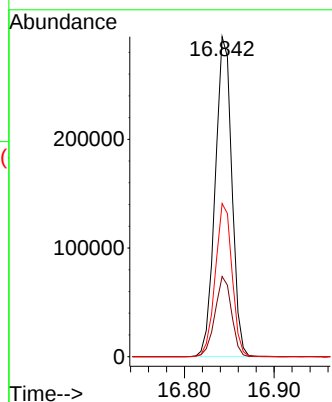
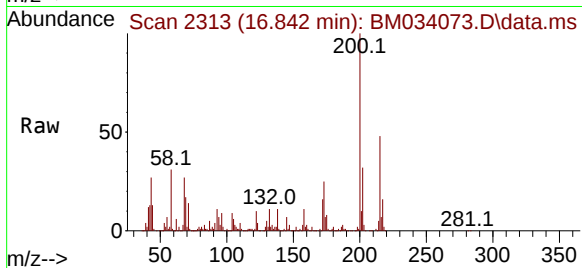
Tgt Ion:200 Resp: 379719

Ion Ratio Lower Upper

200 100

173 25.0 7.3 47.3

215 47.9 25.7 65.7



#70

Pentachlorophenol

Concen: 118.202 ng

RT: 17.036 min Scan# 2346

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

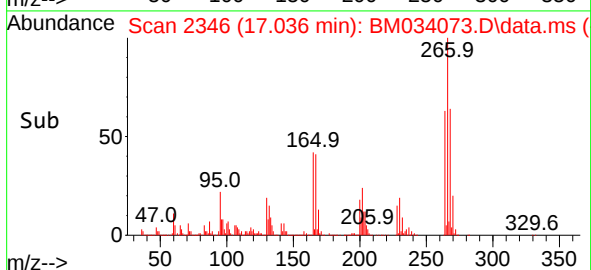
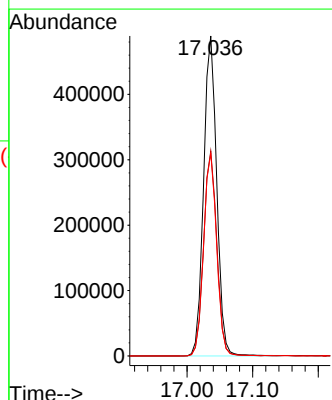
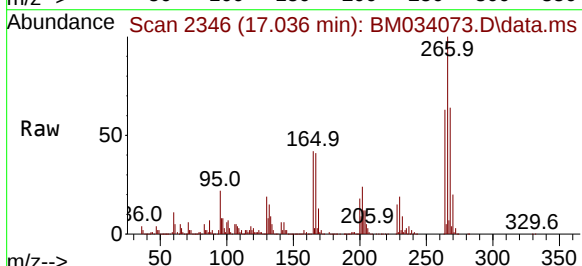
Tgt Ion:266 Resp: 682207

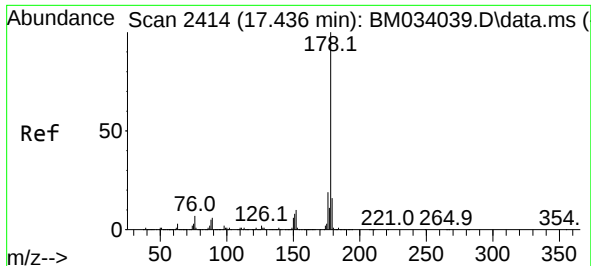
Ion Ratio Lower Upper

266 100

268 64.0 50.1 75.1

264 63.4 49.1 73.7

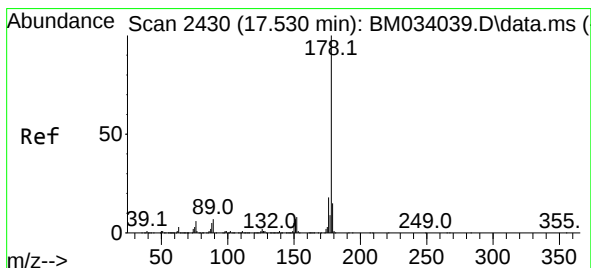
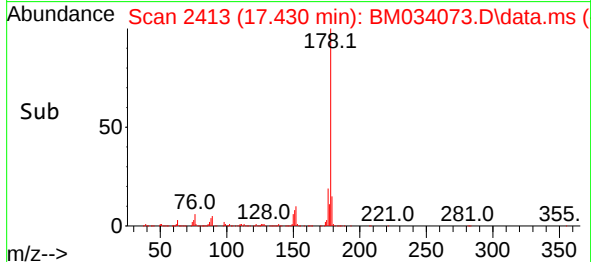
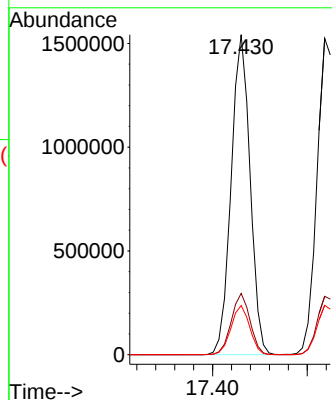
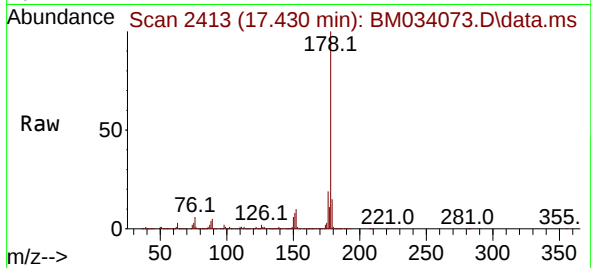




#71
Phenanthrene
Concen: 52.456 ng
RT: 17.430 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

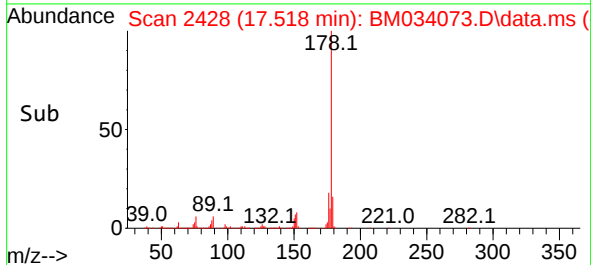
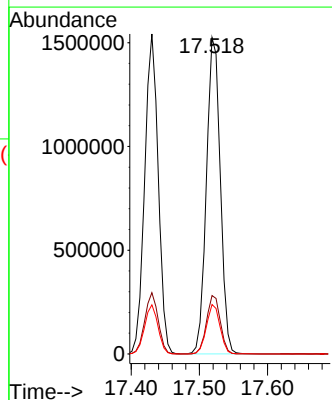
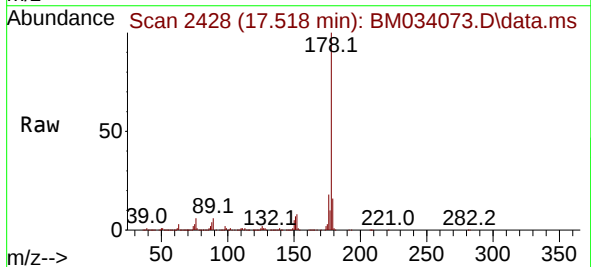
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

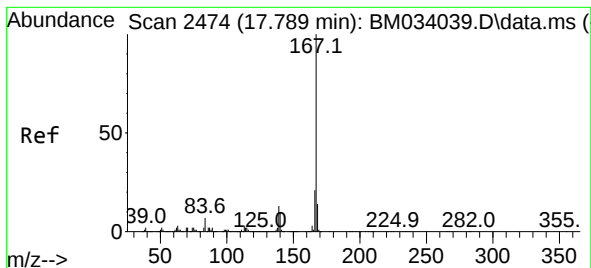
Tgt Ion:178 Resp: 2135699
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 54.496 ng
RT: 17.518 min Scan# 2428
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:178 Resp: 2159185
Ion Ratio Lower Upper
178 100
176 18.5 14.5 21.7
179 15.6 11.9 17.9





#73

Carbazole

Concen: 49.037 ng

RT: 17.783 min Scan# 2474

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

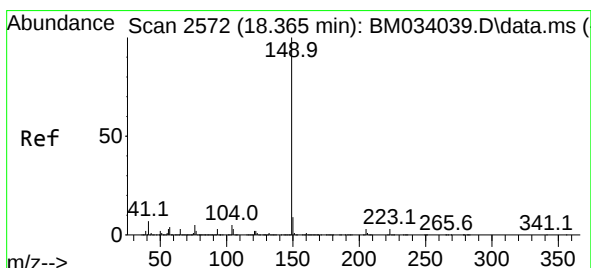
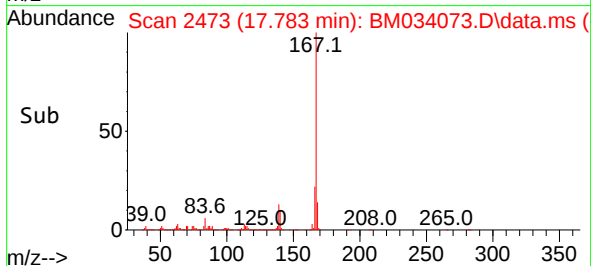
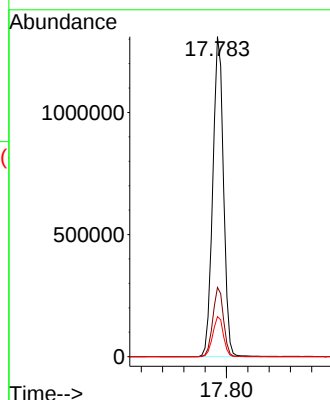
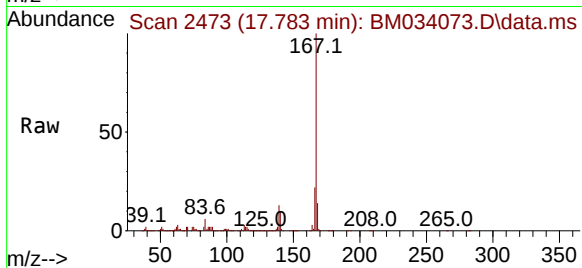
Tgt Ion:167 Resp: 1829350

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 12.5 11.0 16.4



#74

Di-n-butylphthalate

Concen: 53.306 ng

RT: 18.360 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

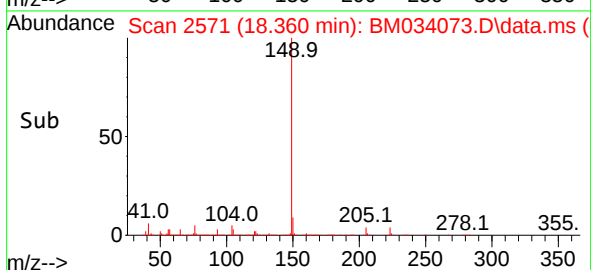
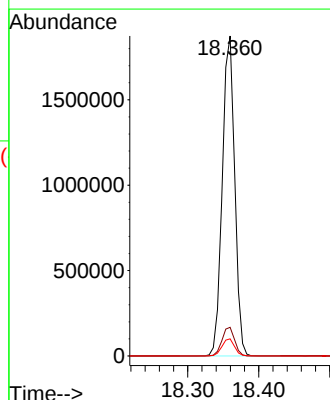
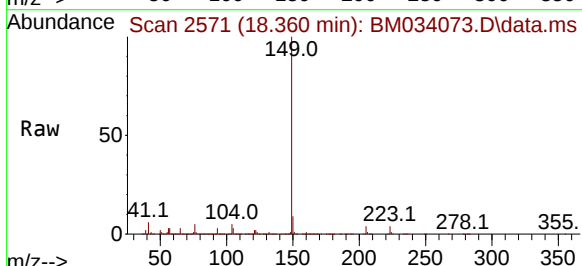
Tgt Ion:149 Resp: 2262160

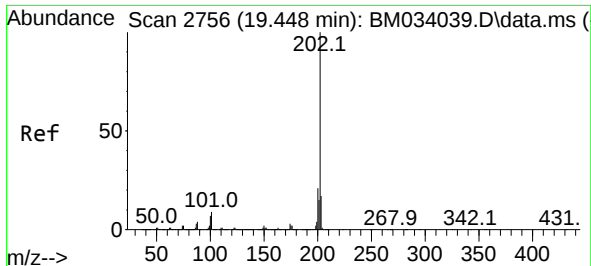
Ion Ratio Lower Upper

149 100

150 8.9 7.3 10.9

104 5.3 4.6 6.8

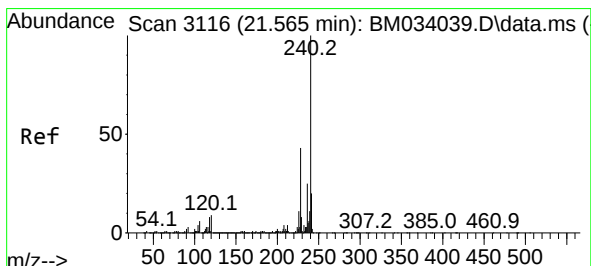
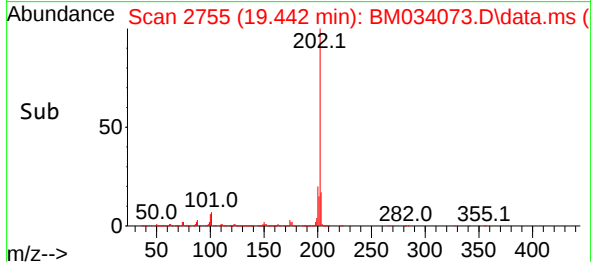
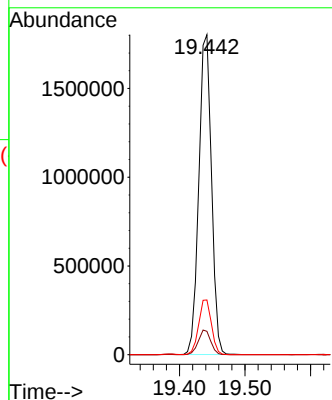
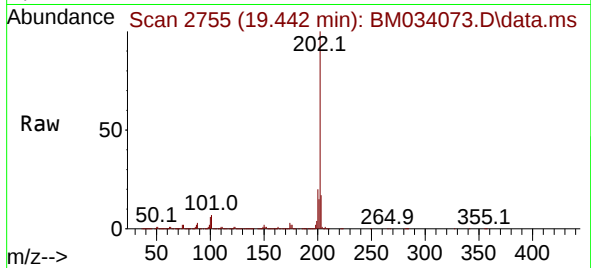




#75
Fluoranthene
Concen: 54.132 ng
RT: 19.442 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

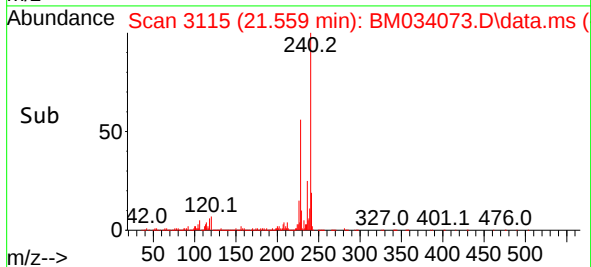
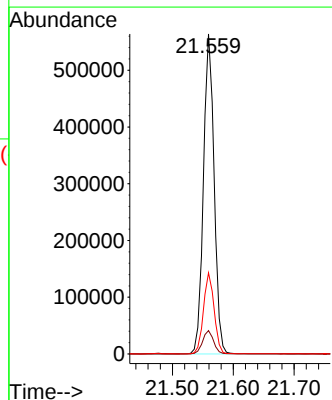
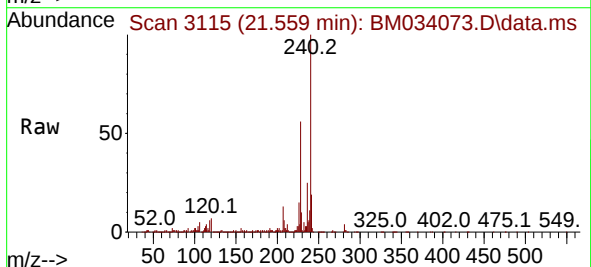
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

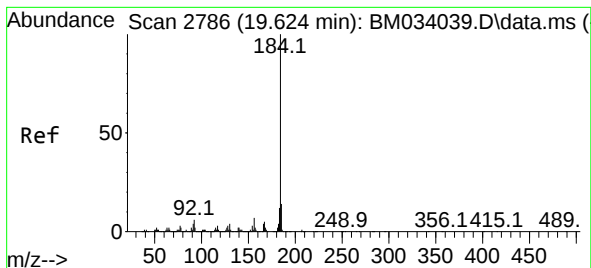
Tgt Ion:202 Resp: 2421336
Ion Ratio Lower Upper
202 100
101 7.3 0.0 30.8
203 17.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:240 Resp: 688859
Ion Ratio Lower Upper
240 100
120 7.3 7.8 11.6#
236 25.3 20.3 30.5





#77

Benzidine

Concen: 24.473 ng

RT: 19.612 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

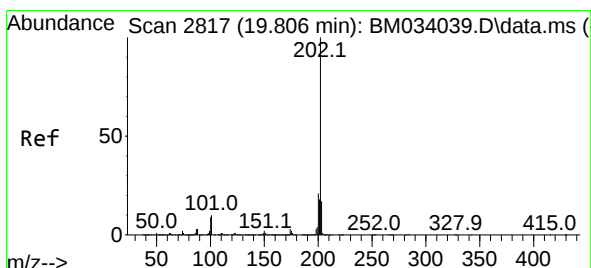
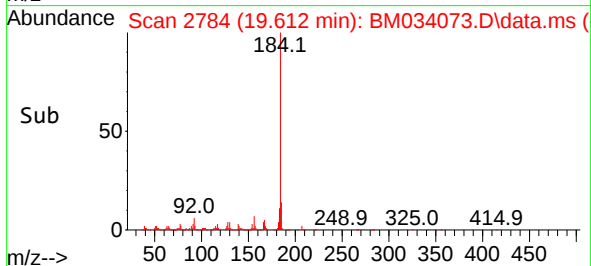
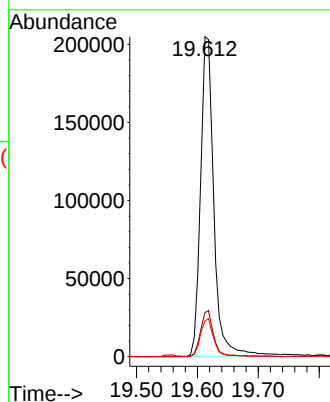
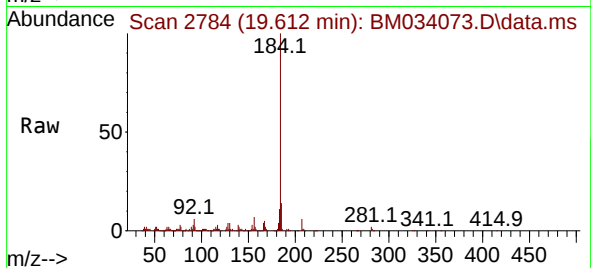
Tgt Ion:184 Resp: 313957

Ion Ratio Lower Upper

184 100

185 13.8 11.4 17.0

183 11.2 9.7 14.5



#78

Pyrene

Concen: 51.918 ng

RT: 19.801 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

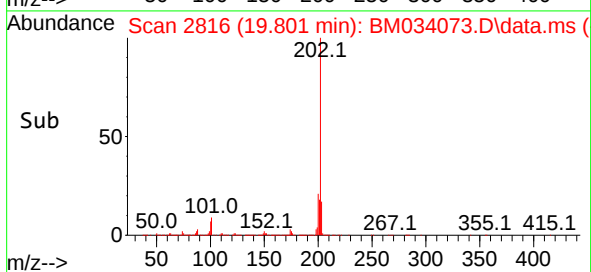
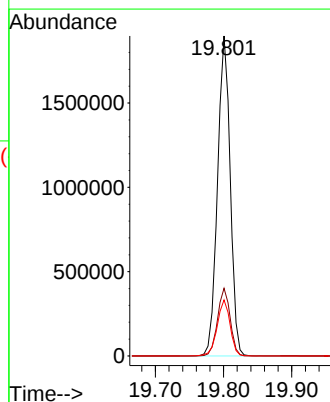
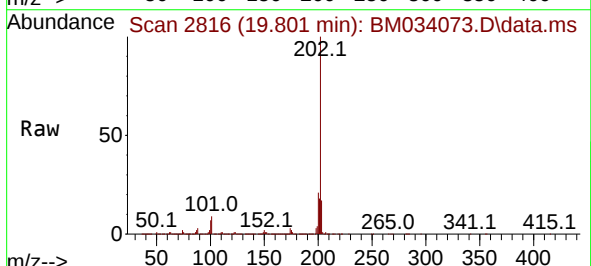
Tgt Ion:202 Resp: 2456219

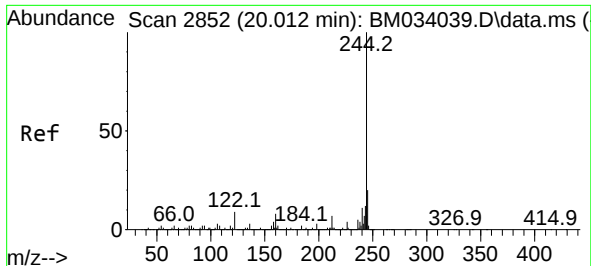
Ion Ratio Lower Upper

202 100

200 21.1 16.4 24.6

203 17.5 13.5 20.3

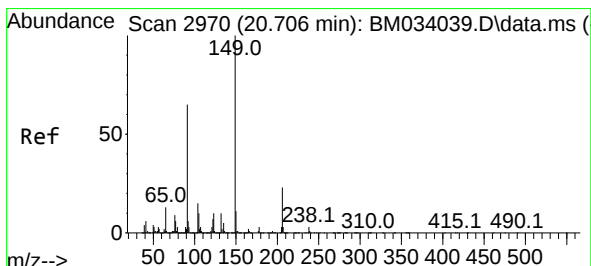
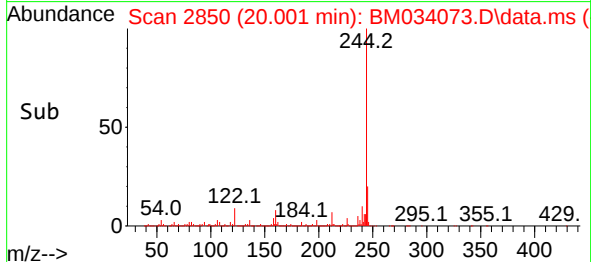
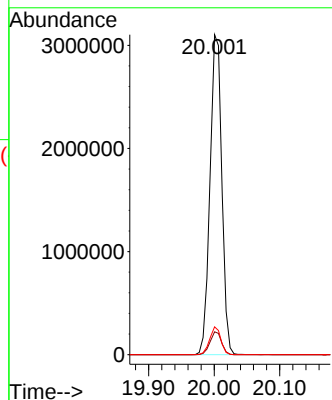
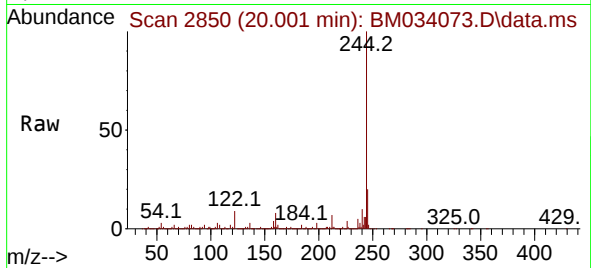




#79
 Terphenyl-d14
 Concen: 98.411 ng
 RT: 20.001 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034073.D
 Acq: 24 Feb 2022 18:40

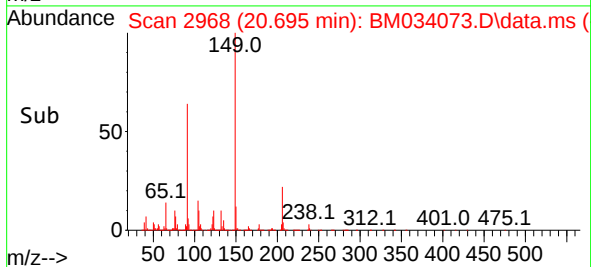
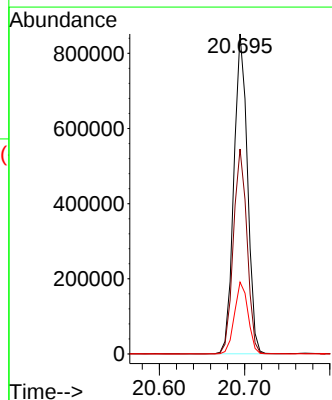
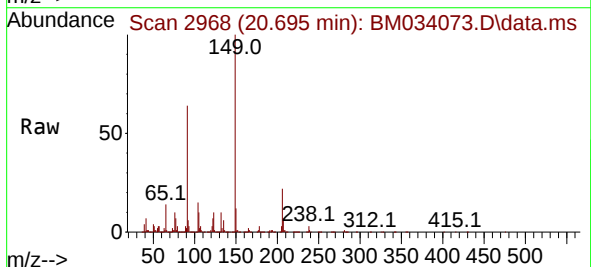
Instrument :
 BNA_M
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)MSD

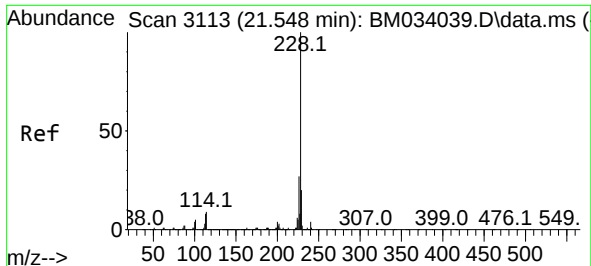
Tgt Ion:244 Resp: 3893047
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 8.7 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 52.428 ng
 RT: 20.695 min Scan# 2968
 Delta R.T. -0.012 min
 Lab File: BM034073.D
 Acq: 24 Feb 2022 18:40

Tgt Ion:149 Resp: 944520
 Ion Ratio Lower Upper
 149 100
 91 64.0 63.4 95.0
 206 22.5 16.8 25.2

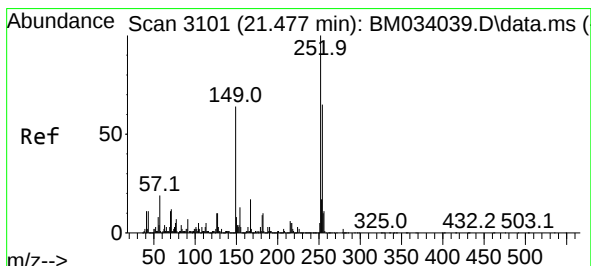
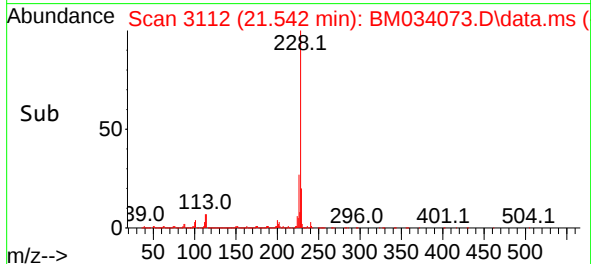
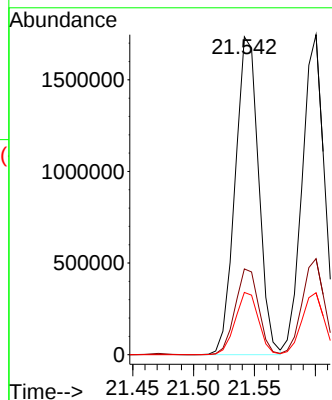
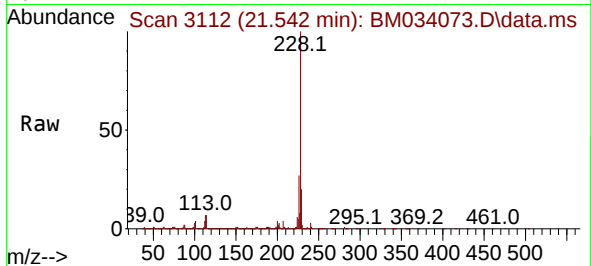




#81
Benzo(a)anthracene
Concen: 51.823 ng
RT: 21.542 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

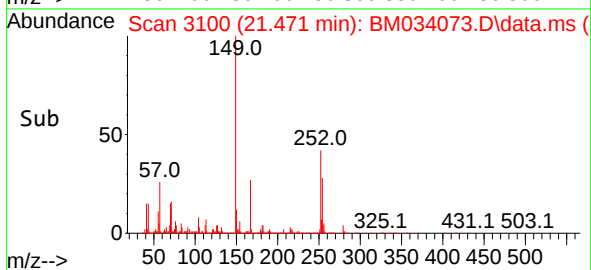
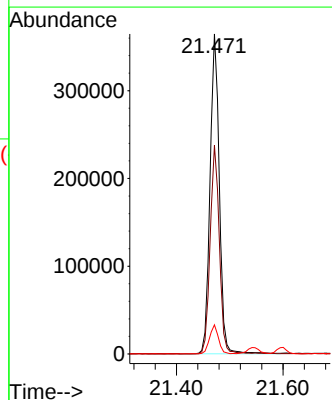
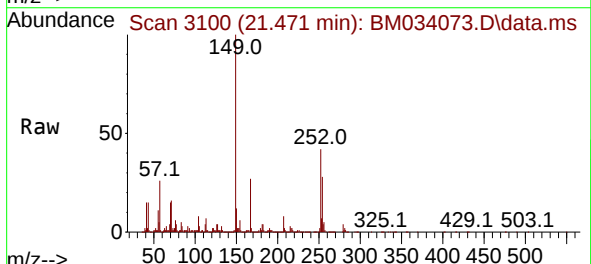
Instrument : BNA_M
ClientSampleId : SW-SURFICIAL-SOIL-(SW-SS)MSD

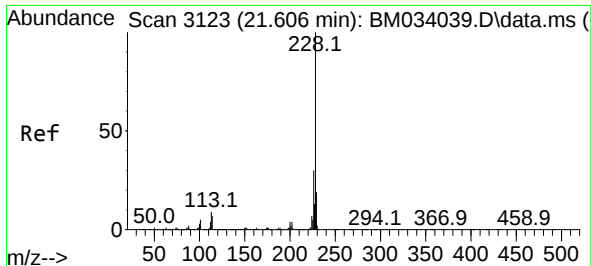
Tgt Ion:228 Resp: 2322786
Ion Ratio Lower Upper
228 100
226 27.0 21.0 31.6
229 19.6 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 29.065 ng
RT: 21.471 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:252 Resp: 439963
Ion Ratio Lower Upper
252 100
254 65.2 50.9 76.3
126 9.1 8.8 13.2





#83

Chrysene

Concen: 51.879 ng

RT: 21.601 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

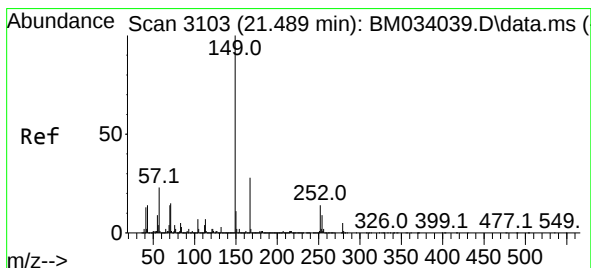
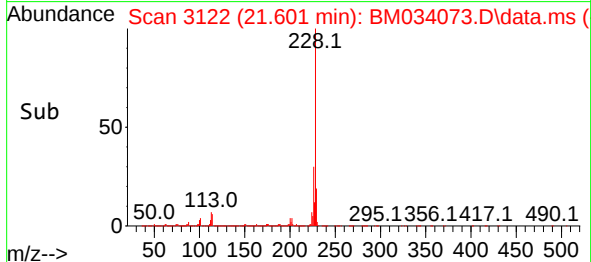
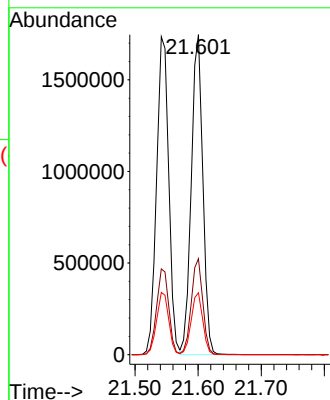
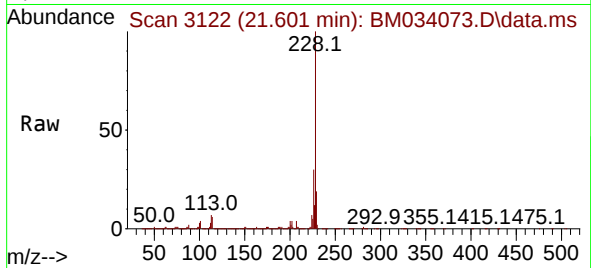
Tgt Ion:228 Resp: 2221222

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.752 ng

RT: 21.477 min Scan# 3101

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

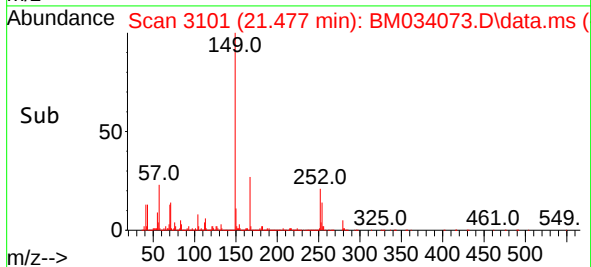
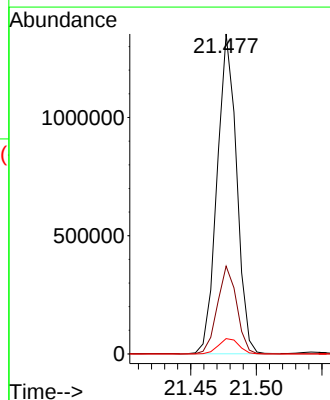
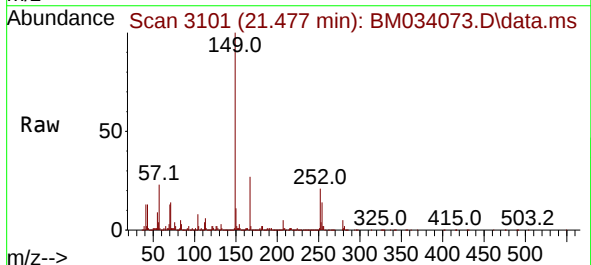
Tgt Ion:149 Resp: 1396701

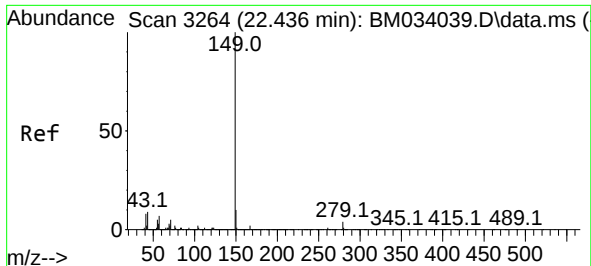
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.8 3.0 4.6#

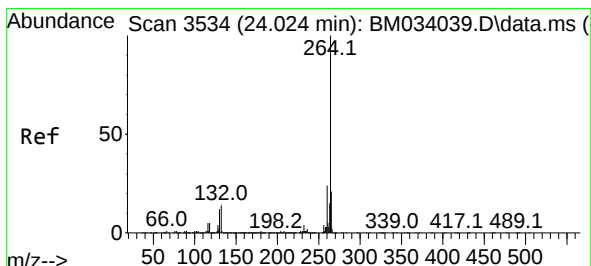
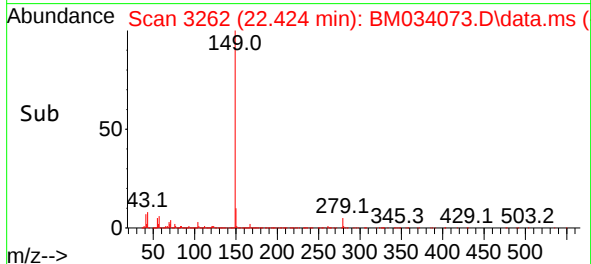
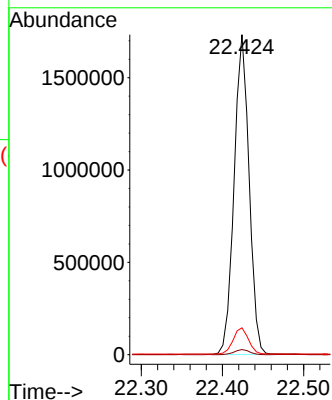
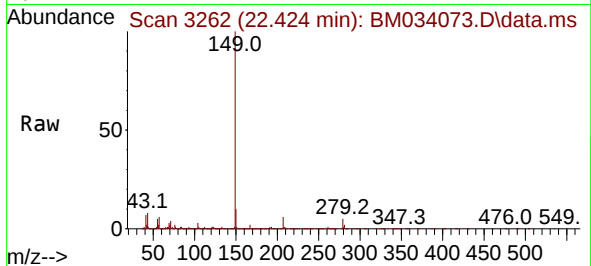




#85
Di-n-octyl phthalate
Concen: 50.732 ng
RT: 22.424 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

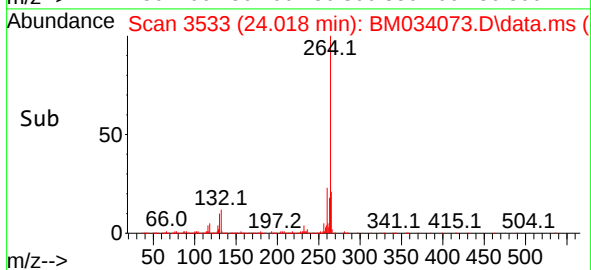
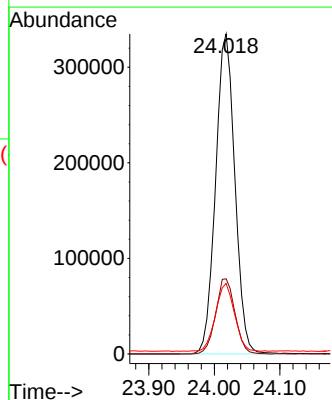
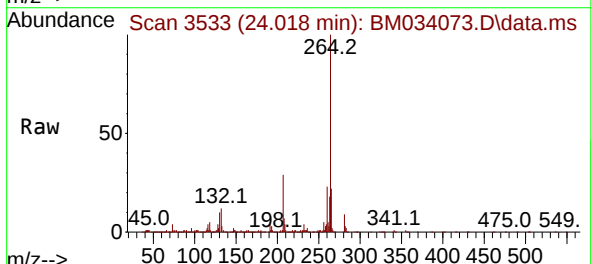
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

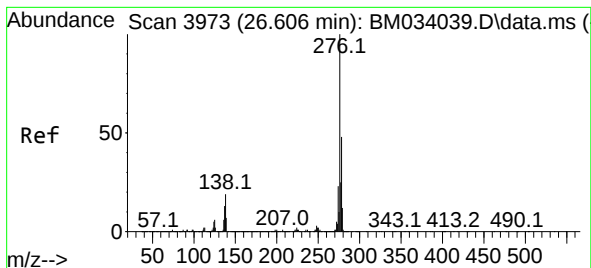
Tgt Ion:149 Resp: 2212797
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.4 10.4 15.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.018 min Scan# 3533
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:264 Resp: 682223
Ion Ratio Lower Upper
264 100
260 23.5 17.7 26.5
265 22.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.505 ng

RT: 26.594 min Scan# 3971

Delta R.T. -0.012 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

Instrument :

BNA_M

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)MSD

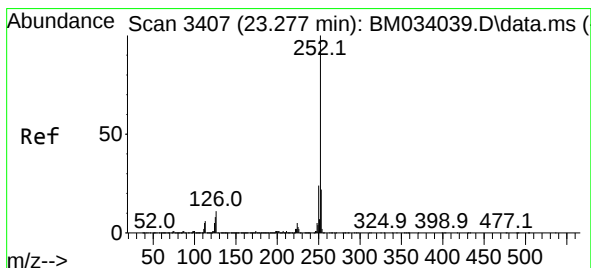
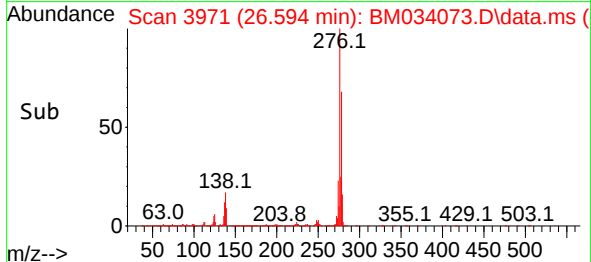
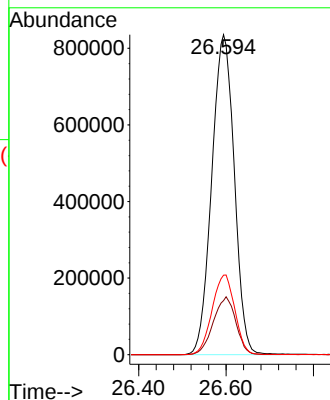
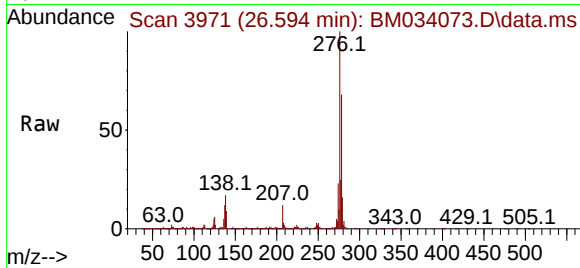
Tgt Ion:276 Resp: 2983169

Ion Ratio Lower Upper

276 100

138 18.1 18.7 28.1#

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 57.175 ng

RT: 23.271 min Scan# 3406

Delta R.T. -0.006 min

Lab File: BM034073.D

Acq: 24 Feb 2022 18:40

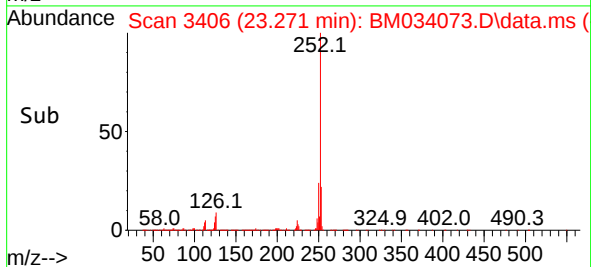
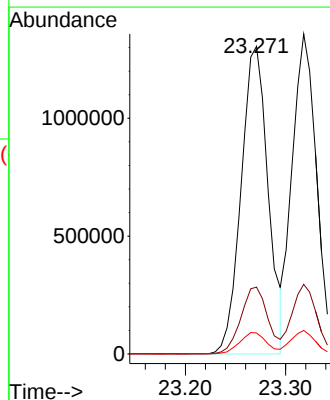
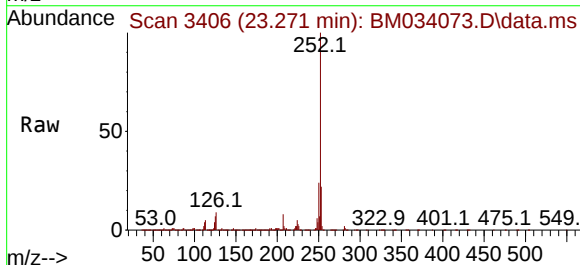
Tgt Ion:252 Resp: 2444420

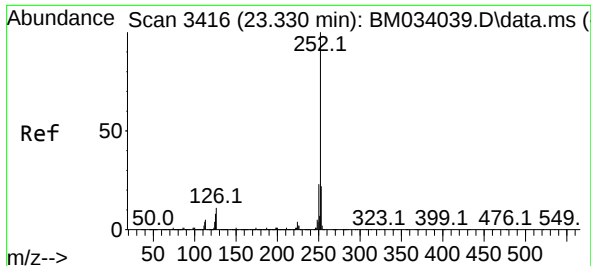
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 6.8 7.4 11.2#

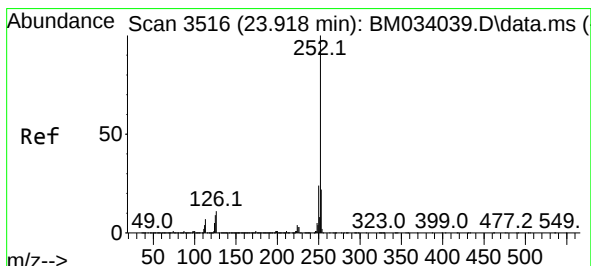
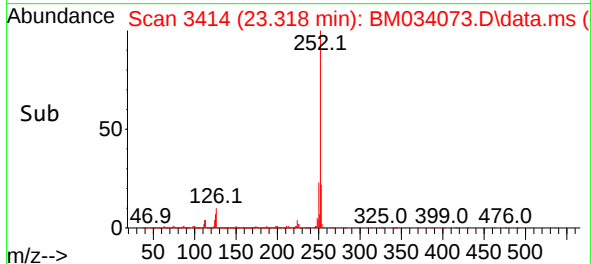
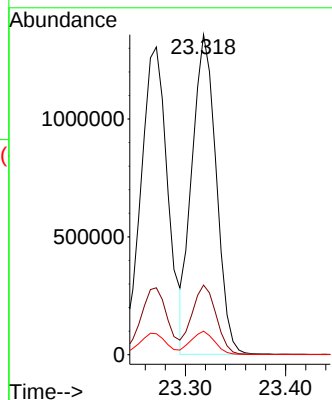
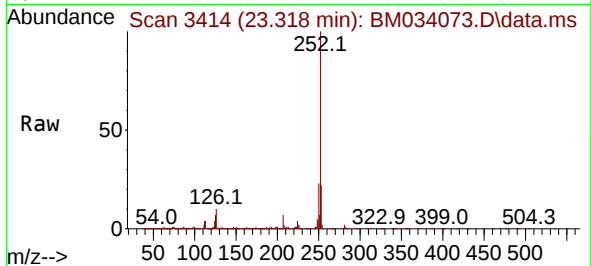




#89
Benzo(k)fluoranthene
Concen: 53.397 ng
RT: 23.318 min Scan# 3416
Delta R.T. -0.012 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

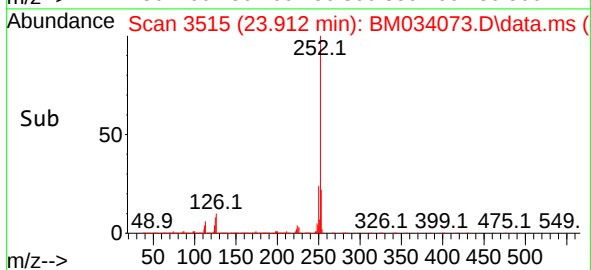
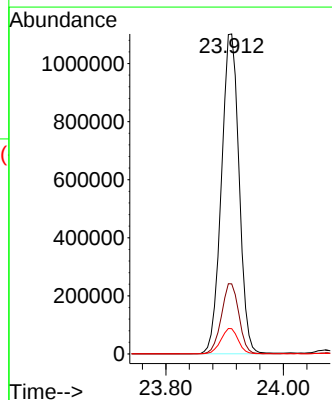
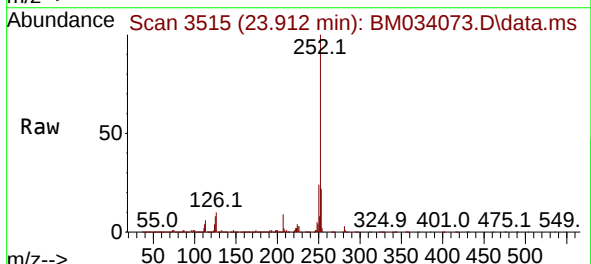
Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

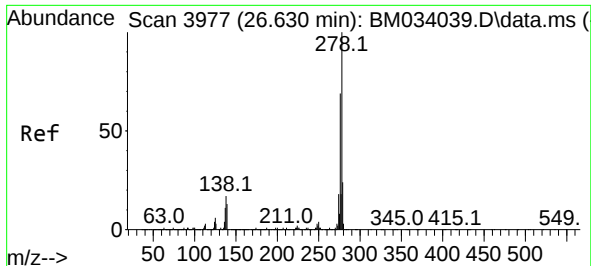
Tgt Ion:252 Resp: 2277382
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 7.3 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 65.311 ng
RT: 23.912 min Scan# 3515
Delta R.T. -0.006 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:252 Resp: 2294506
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 7.9 7.8 11.8

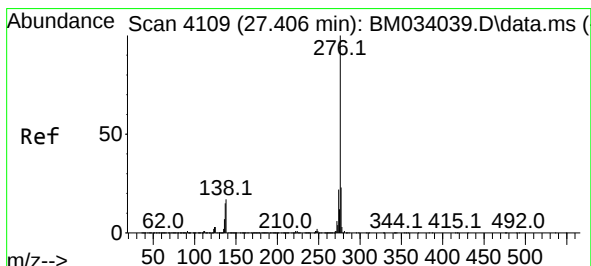
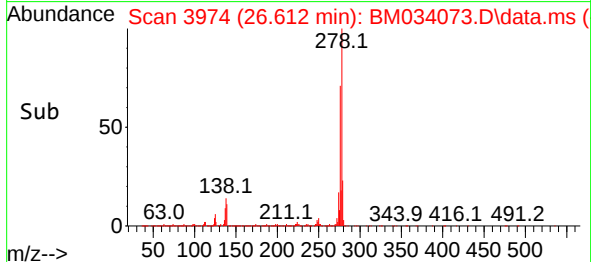
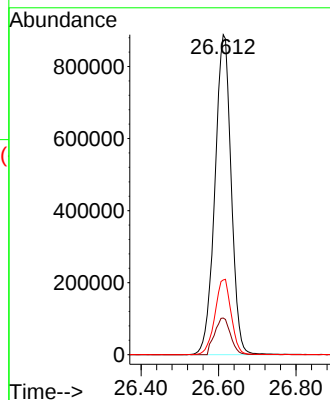
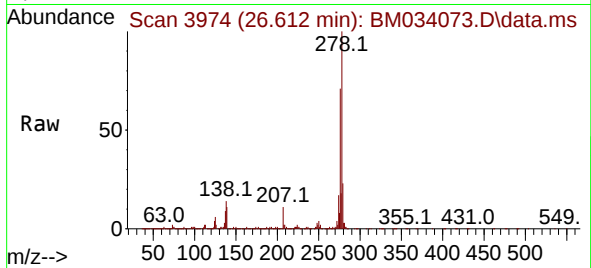




#91
Dibenzo(a,h)anthracene
Concen: 63.436 ng
RT: 26.612 min Scan# 3977
Delta R.T. -0.018 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

Tgt Ion:278 Resp: 2587607
Ion Ratio Lower Upper
278 100
139 11.5 10.9 16.3
279 23.3 17.7 26.5



#92
Benzo(g,h,i)perylene
Concen: 65.660 ng
RT: 27.382 min Scan# 4105
Delta R.T. -0.024 min
Lab File: BM034073.D
Acq: 24 Feb 2022 18:40

Tgt Ion:276 Resp: 2594643
Ion Ratio Lower Upper
276 100
277 22.8 19.1 28.7
138 15.4 14.8 22.2

