

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034293.D
 Acq On : 21 Mar 2022 18:16
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Mar 22 04:10:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	176052	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	728743	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	495371	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1052427	20.000	ng	0.00
76) Chrysene-d12	21.494	240	1102467	20.000	ng	0.00
86) Perylene-d12	23.906	264	1067867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	1259282	128.320	ng	0.00
7) Phenol-d6	7.101	99	1795431	127.782	ng	0.00
23) Nitrobenzene-d5	9.107	82	1240065	82.848	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	904819	135.513	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2953670	81.478	ng	0.00
79) Terphenyl-d14	19.942	244	5081102	80.084	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.354	88	39424	8.879	ng	95
3) Pyridine	3.766	79	100448	8.360	ng	97
4) n-Nitrosodimethylamine	3.666	42	54089	9.481	ng	95
6) Aniline	7.266	93	162076	10.094	ng	95
8) 2-Chlorophenol	7.507	128	106221	9.254	ng	98
9) Benzaldehyde	7.072	77	102921	13.596	ng	96
10) Phenol	7.125	94	130779	9.358	ng	95
11) bis(2-Chloroethyl)ether	7.360	93	108564	9.465	ng	98
12) 1,3-Dichlorobenzene	7.836	146	122698	9.424	ng	97
13) 1,4-Dichlorobenzene	7.983	146	124124	9.312	ng	97
14) 1,2-Dichlorobenzene	8.301	146	118412	9.113	ng	99
15) Benzyl Alcohol	8.183	79	100267	8.967	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.478	45	151537	9.627	ng	100
17) 2-Methylphenol	8.383	107	87236	8.913	ng	97
18) Hexachloroethane	9.036	117	46379	9.434	ng	97
19) n-Nitroso-di-n-propyla...	8.754	70	97269	9.571	ng	99
20) 3+4-Methylphenols	8.713	107	118951	8.788	ng	98
22) Acetophenone	8.766	105	177234	9.477	ng	97
24) Nitrobenzene	9.148	77	139558	9.987	ng	99
25) Isophorone	9.677	82	253996	10.141	ng	98
26) 2-Nitrophenol	9.866	139	52954	8.545	ng	97
27) 2,4-Dimethylphenol	9.925	122	94993	9.789	ng	99
28) bis(2-Chloroethoxy)met...	10.160	93	150286	9.372	ng	100
29) 2,4-Dichlorophenol	10.401	162	99689	8.842	ng	97
30) 1,2,4-Trichlorobenzene	10.619	180	117933	9.202	ng	98
31) Naphthalene	10.807	128	358542	9.444	ng	99
32) Benzoic acid	10.013	122	73797	9.196	ng	99
33) 4-Chloroaniline	10.913	127	136980	9.146	ng	99
34) Hexachlorobutadiene	11.101	225	73782	9.089	ng	97
35) Caprolactam	11.666	113	35509	9.060	ng	97
36) 4-Chloro-3-methylphenol	12.036	107	116184	8.992	ng	96
37) 2-Methylnaphthalene	12.418	142	255848	9.444	ng	99
38) 1-Methylnaphthalene	12.636	142	248746	9.386	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	139300	9.318	ng	99
41) Hexachlorocyclopentadiene	12.771	237	92648	10.703	ng	99
43) 2,4,6-Trichlorophenol	13.018	196	86039	8.336	ng	100

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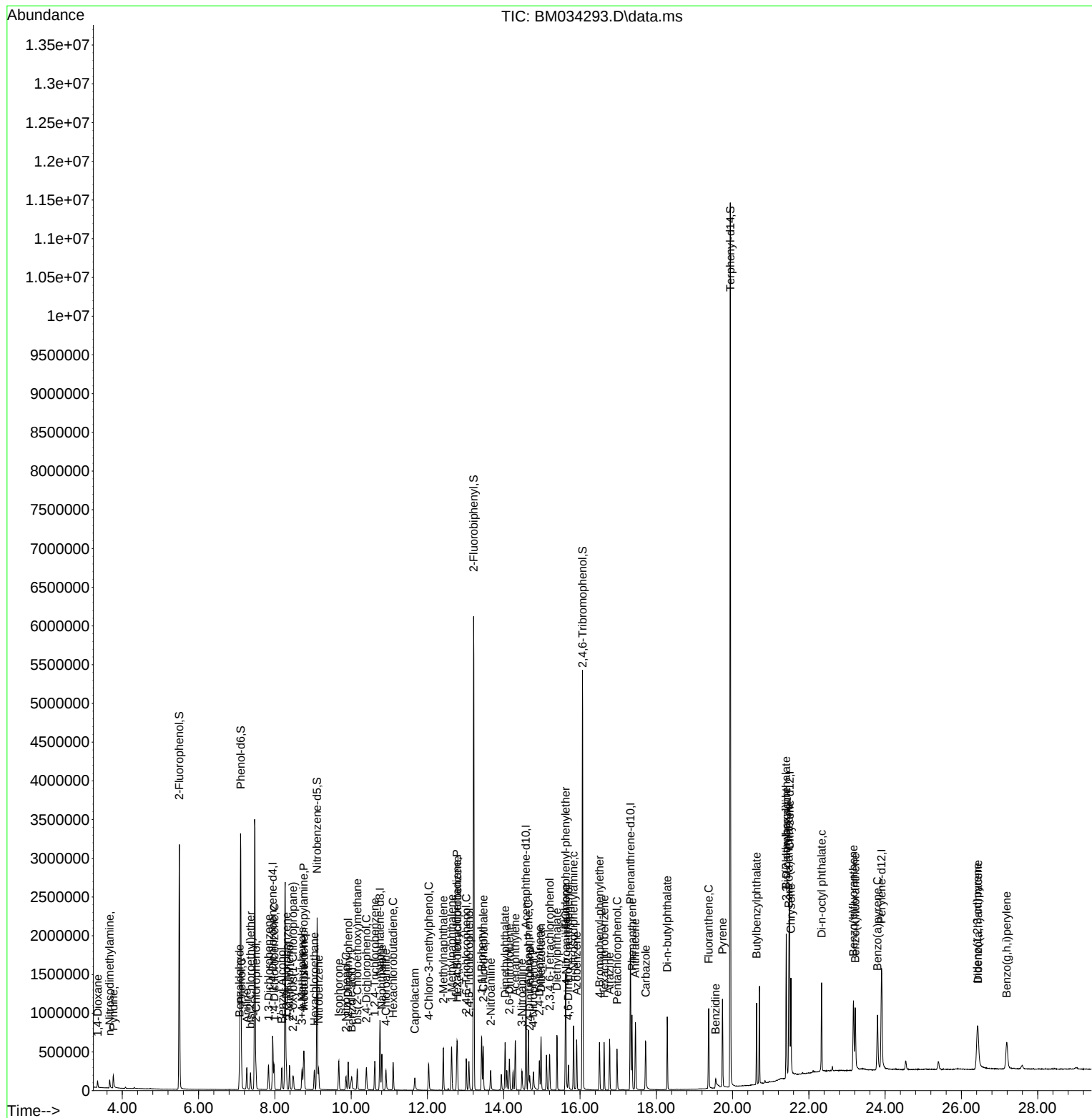
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	93725	8.460	ng	98
46) 1,1'-Biphenyl	13.424	154	354508	9.386	ng	99
47) 2-Chloronaphthalene	13.465	162	264837	9.135	ng	98
48) 2-Nitroaniline	13.660	65	73989	8.347	ng	99
49) Acenaphthylene	14.307	152	443118	9.806	ng	99
50) Dimethylphthalate	14.036	163	355525	9.430	ng	99
51) 2,6-Dinitrotoluene	14.148	165	73180	9.463	ng	94
52) Acenaphthene	14.648	154	282086	9.268	ng	99
53) 3-Nitroaniline	14.477	138	65933	8.498	ng	97
54) 2,4-Dinitrophenol	14.683	184	39012	9.004	ng	95
55) Dibenzofuran	14.977	168	419055	9.238	ng	99
56) 4-Nitrophenol	14.777	139	66829	10.625	ng	96
57) 2,4-Dinitrotoluene	14.936	165	96636	9.245	ng	98
58) Fluorene	15.624	166	341664	9.278	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.207	232	88756	8.885	ng	99
60) Diethylphthalate	15.395	149	369044	9.541	ng	100
61) 4-Chlorophenyl-phenyle...	15.624	204	171129	9.102	ng	100
62) 4-Nitroaniline	15.636	138	57031	7.641	ng	99
63) Azobenzene	15.912	77	350228	9.389	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	61869	9.041	ng	94
66) n-Nitrosodiphenylamine	15.830	169	301924	9.030	ng	99
67) 4-Bromophenyl-phenylether	16.512	248	107361	8.874	ng	100
68) Hexachlorobenzene	16.636	284	125269	9.283	ng	96
69) Atrazine	16.777	200	111336	10.102	ng	98
70) Pentachlorophenol	16.971	266	87365	10.124	ng	94
71) Phenanthrene	17.365	178	555453	9.424	ng	99
72) Anthracene	17.453	178	534443	9.316	ng	99
73) Carbazole	17.724	167	467627	8.741	ng	99
74) Di-n-butylphthalate	18.289	149	619809	9.319	ng	99
75) Fluoranthene	19.377	202	642976	9.732	ng	99
77) Benzidine	19.559	184	147022	9.100	ng	98
78) Pyrene	19.736	202	672310	8.655	ng	99
80) Butylbenzylphthalate	20.630	149	274631	8.360	ng	99
81) Benzo(a)anthracene	21.477	228	656091	9.429	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	201238	8.659	ng	98
83) Chrysene	21.530	228	638505	8.986	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	425583	8.773	ng	99
85) Di-n-octyl phthalate	22.335	149	695042	9.026	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	557943	8.122	ng	98
88) Benzo(b)fluoranthene	23.171	252	619798	9.706	ng	99
89) Benzo(k)fluoranthene	23.218	252	651343	9.629	ng	100
90) Benzo(a)pyrene	23.800	252	565044	10.438	ng	99
91) Dibenzo(a,h)anthracene	26.435	278	471201	8.460	ng	100
92) Benzo(g,h,i)perylene	27.188	276	507322	8.800	ng	99

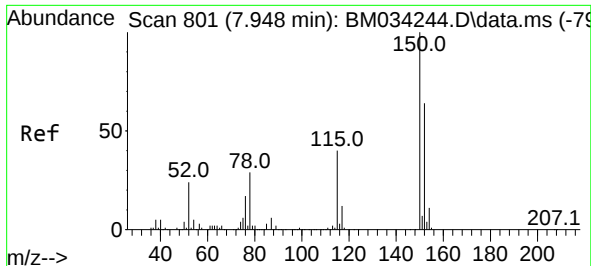
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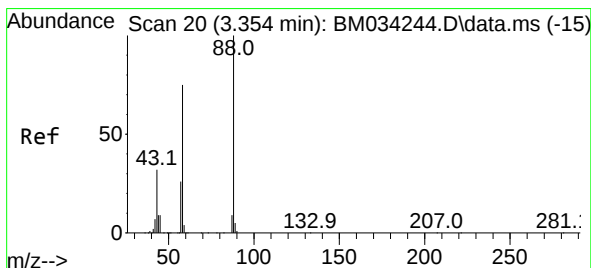
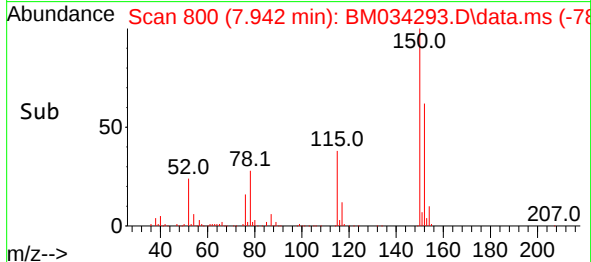
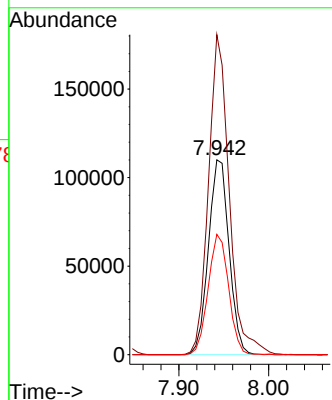
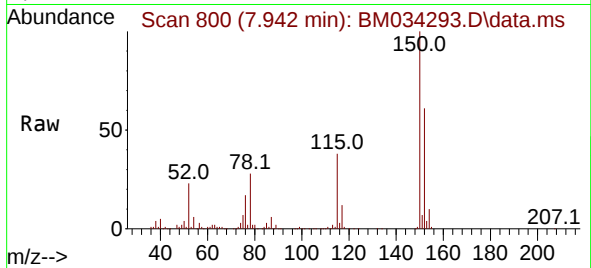




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

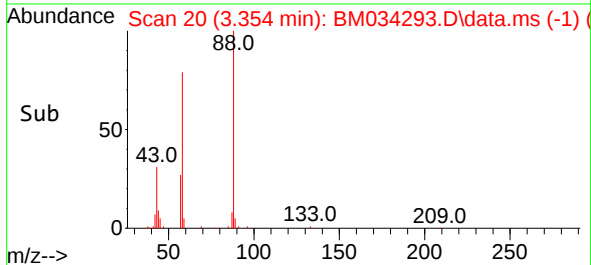
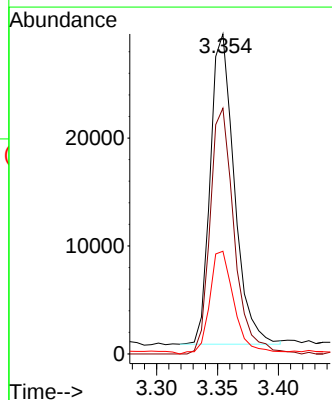
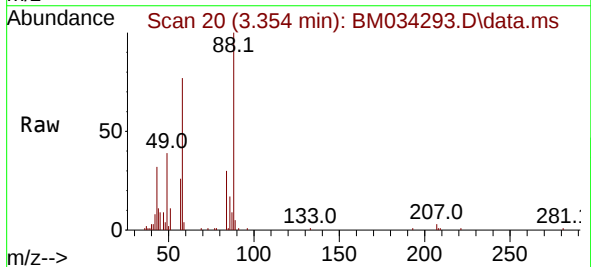
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

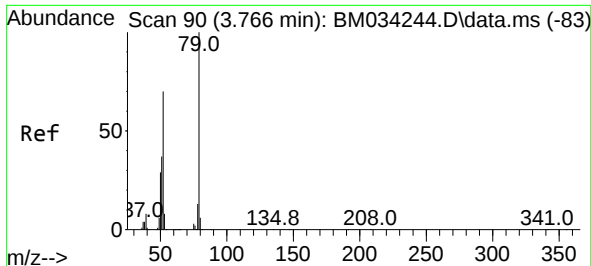
Tgt Ion:152 Resp: 176052
Ion Ratio Lower Upper
152 100
150 164.2 125.4 188.2
115 61.7 50.1 75.1



#2
1,4-Dioxane
Concen: 8.879 ng
RT: 3.354 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 88 Resp: 39424
Ion Ratio Lower Upper
88 100
58 79.9 60.4 90.6
43 34.2 25.4 38.0

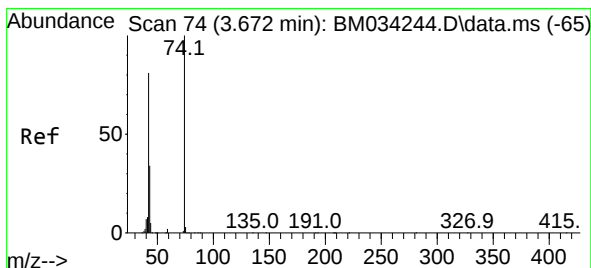
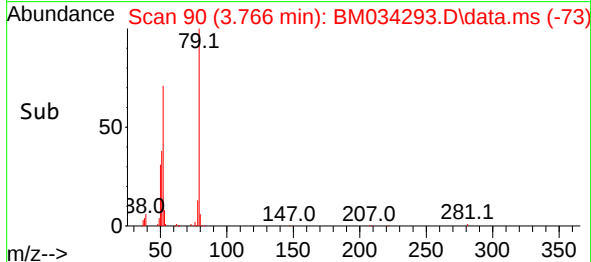
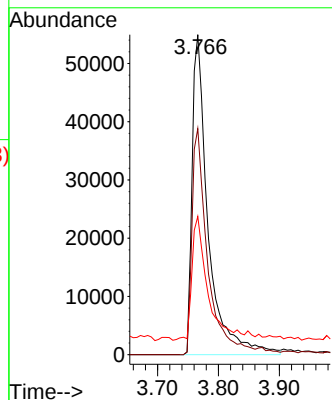
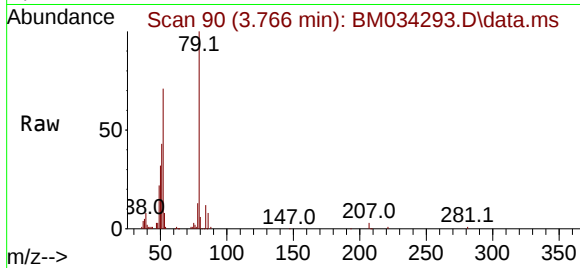




#3
 Pyridine
 Concen: 8.360 ng
 RT: 3.766 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: BM034293.D
 Acq: 21 Mar 2022 18:16

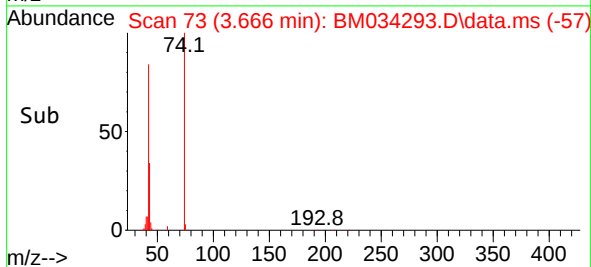
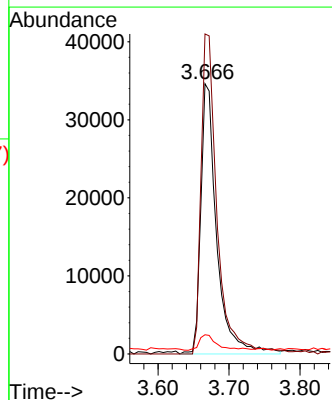
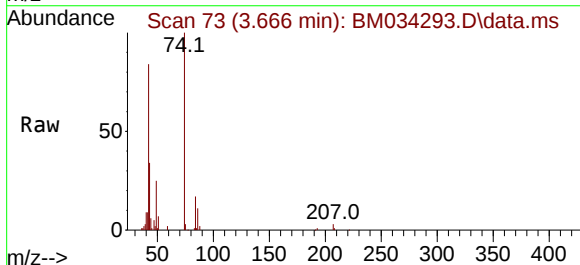
Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

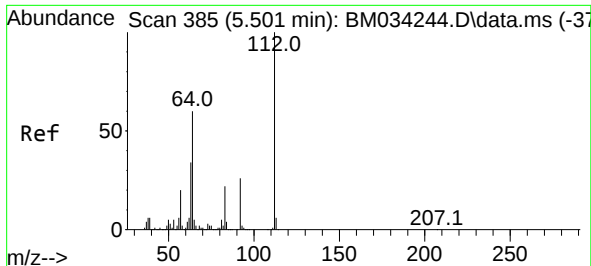
Tgt Ion: 79 Resp: 100448
 Ion Ratio Lower Upper
 79 100
 52 70.7 56.1 84.1
 51 43.2 30.4 45.6



#4
 n-Nitrosodimethylamine
 Concen: 9.481 ng
 RT: 3.666 min Scan# 73
 Delta R.T. -0.006 min
 Lab File: BM034293.D
 Acq: 21 Mar 2022 18:16

Tgt Ion: 42 Resp: 54089
 Ion Ratio Lower Upper
 42 100
 74 118.4 99.3 148.9
 44 7.1 5.0 7.6

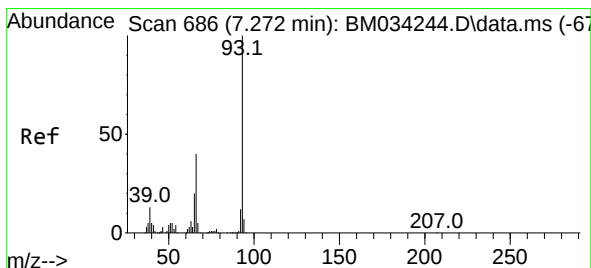
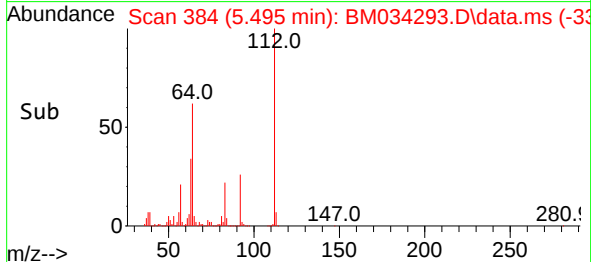
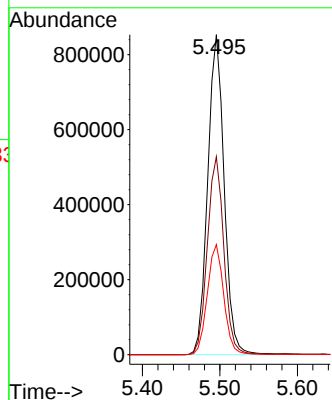
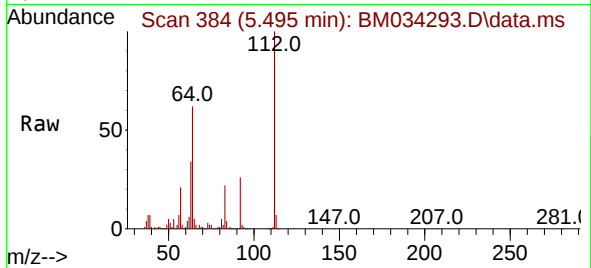




#5
2-Fluorophenol
Concen: 128.320 ng
RT: 5.495 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

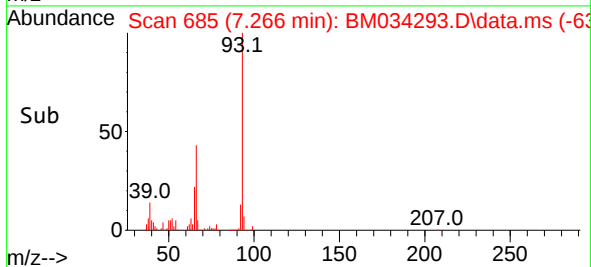
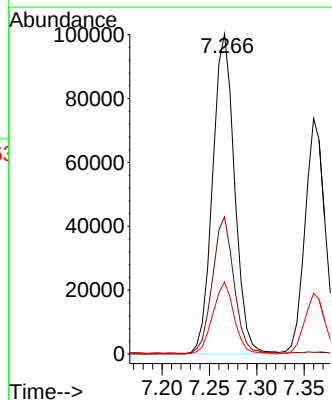
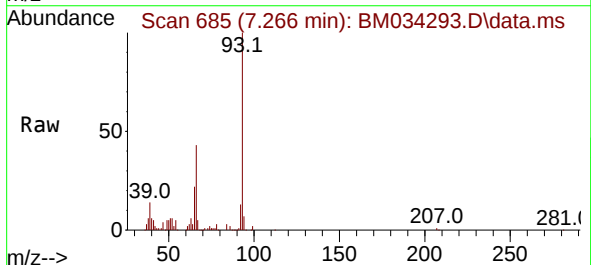
Instrument :
BNA_M
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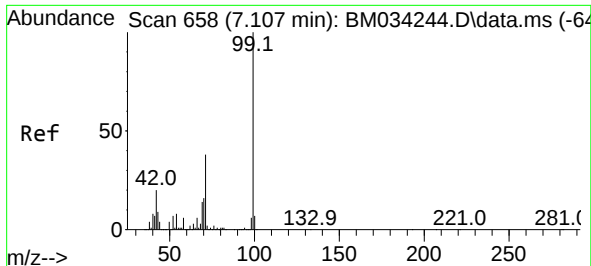
Tgt Ion:112 Resp: 1259282
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 34.4 27.1 40.7



#6
Aniline
Concen: 10.094 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 93 Resp: 162076
Ion Ratio Lower Upper
93 100
66 42.9 31.9 47.9
65 22.5 16.2 24.4



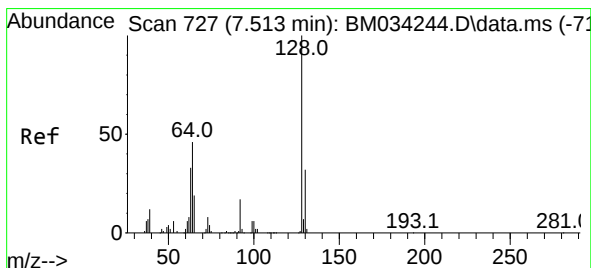
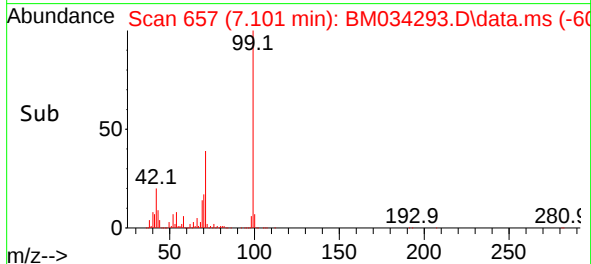
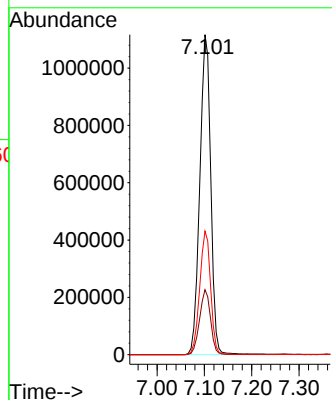
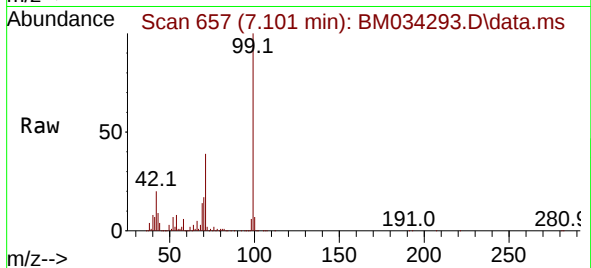


#7
Phenol-d6
Concen: 127.782 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034293.D
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ClientSampleId :
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Tgt Ion: 99 Resp: 1795431

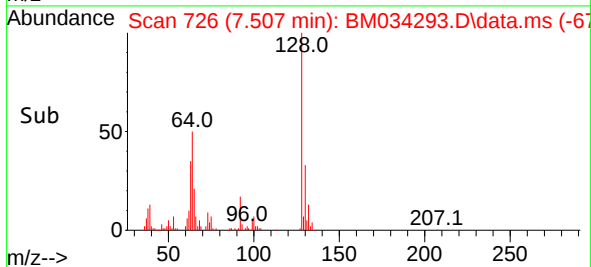
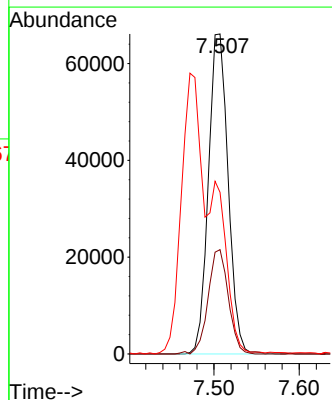
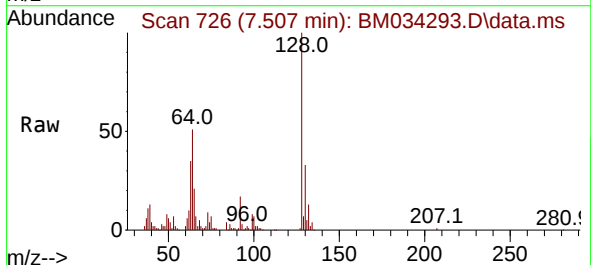
Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.6	23.4
71	38.6	30.6	46.0

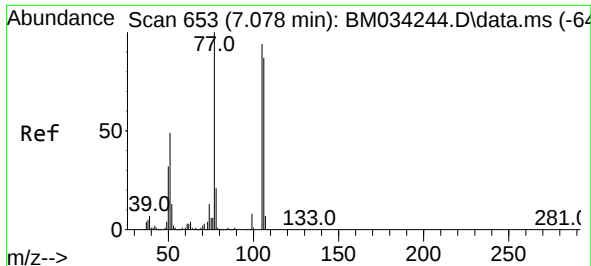


#8
2-Chlorophenol
Concen: 9.254 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034293.D
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Tgt Ion: 128 Resp: 106221

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	50.5	28.1	68.1

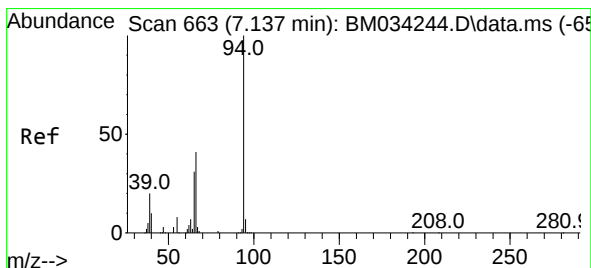
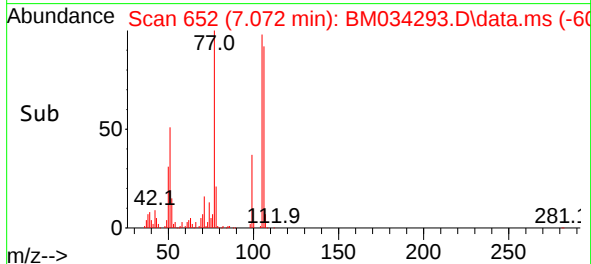
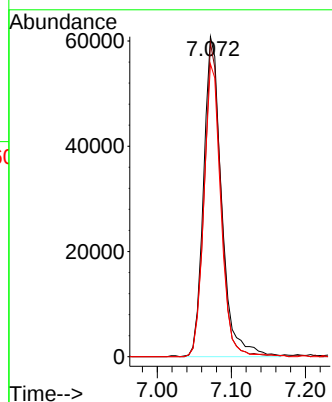
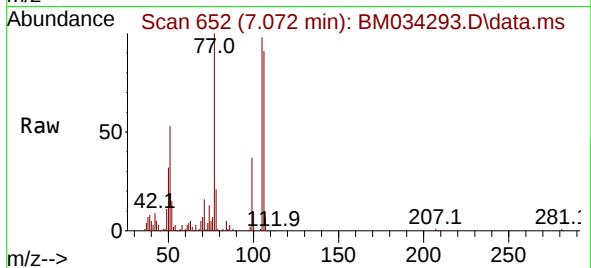




#9
Benzaldehyde
Concen: 13.596 ng
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
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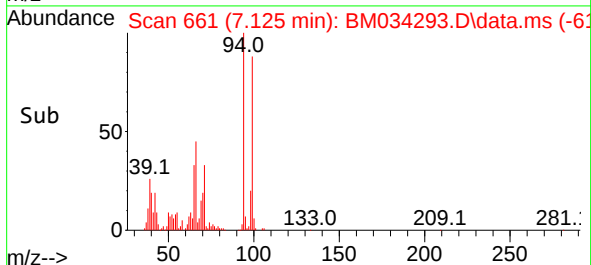
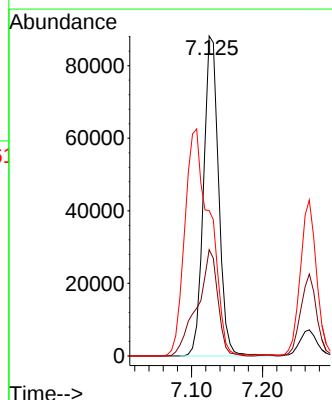
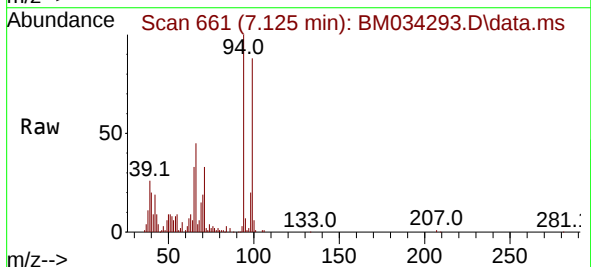
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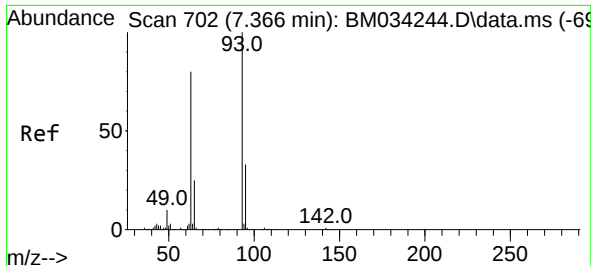
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Ion Ratio Lower Upper
77 100
105 98.0 73.9 113.9
106 91.5 67.2 107.2



#10
Phenol
Concen: 9.358 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 94 Resp: 130779
Ion Ratio Lower Upper
94 100
65 33.2 10.9 50.9
66 45.4 22.0 62.0

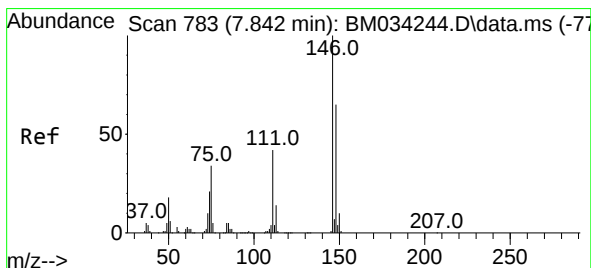
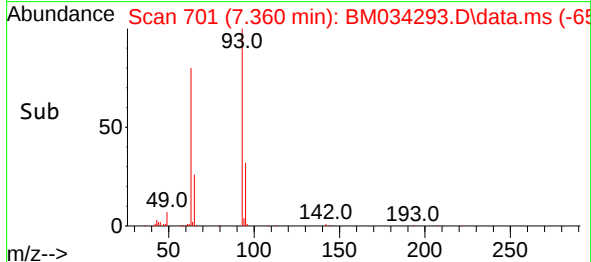
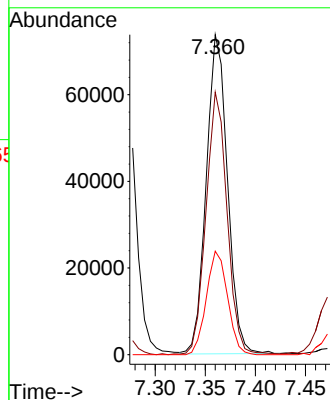
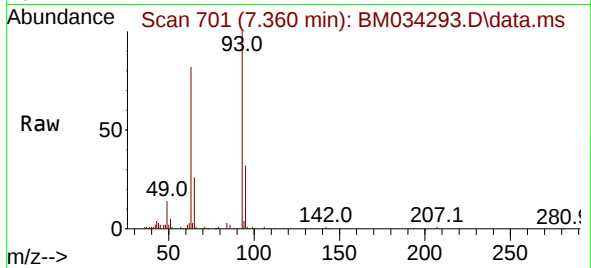




#11
bis(2-Chloroethyl)ether
Concen: 9.465 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

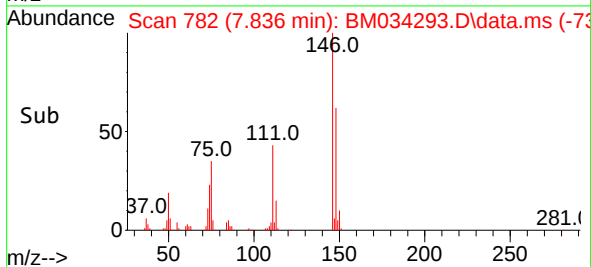
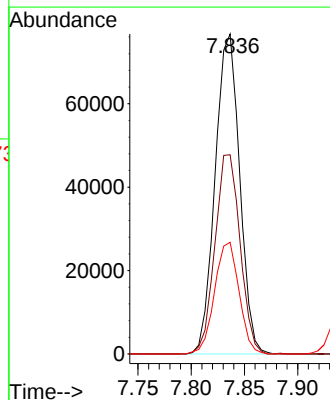
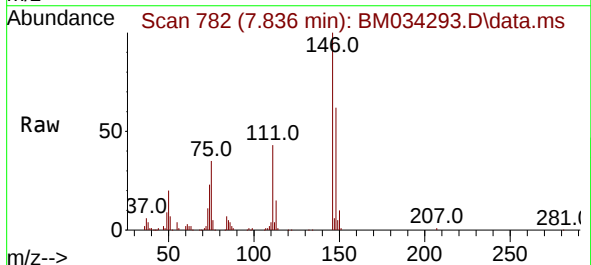
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

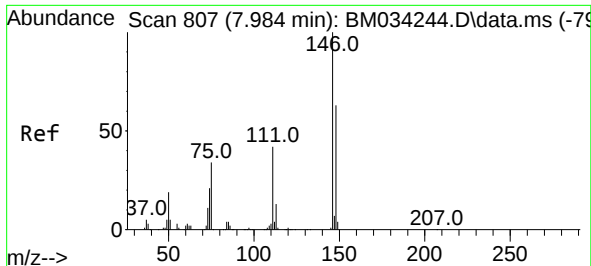
Tgt Ion: 93 Resp: 108564
Ion Ratio Lower Upper
93 100
63 82.1 59.6 99.6
95 32.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 9.424 ng
RT: 7.836 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:146 Resp: 122698
Ion Ratio Lower Upper
146 100
148 62.3 51.8 77.8
75 34.9 27.1 40.7

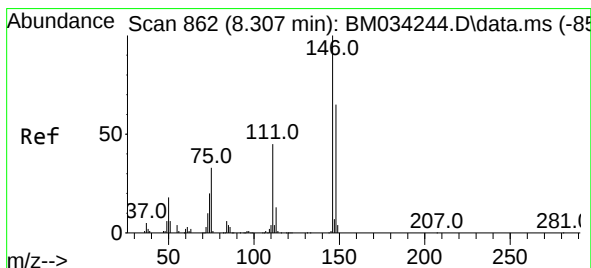
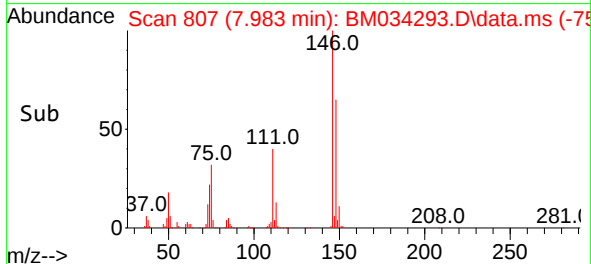
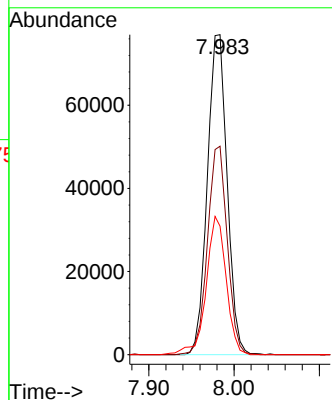
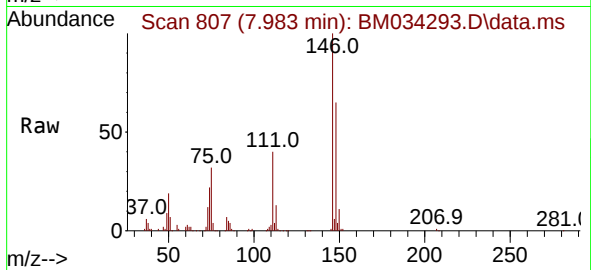




#13
1,4-Dichlorobenzene
Concen: 9.312 ng
RT: 7.983 min Scan# 807
Delta R.T. -0.000 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

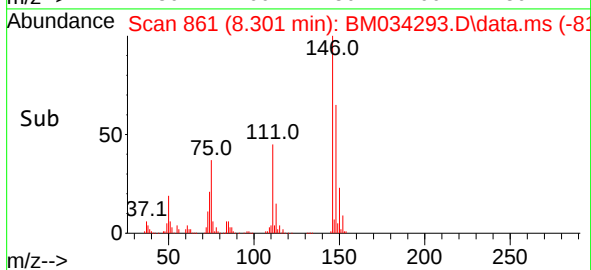
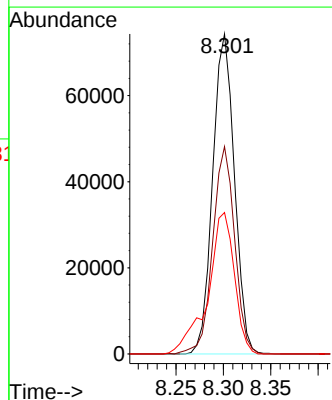
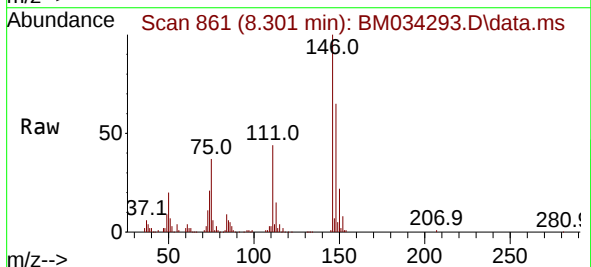
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

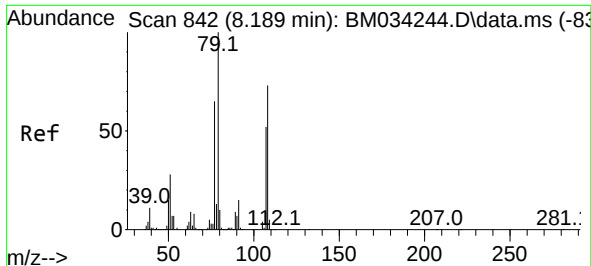
Tgt Ion:146 Resp: 124124
Ion Ratio Lower Upper
146 100
148 65.1 50.6 76.0
111 40.2 34.0 51.0



#14
1,2-Dichlorobenzene
Concen: 9.113 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:146 Resp: 118412
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.4
111 44.2 35.8 53.8

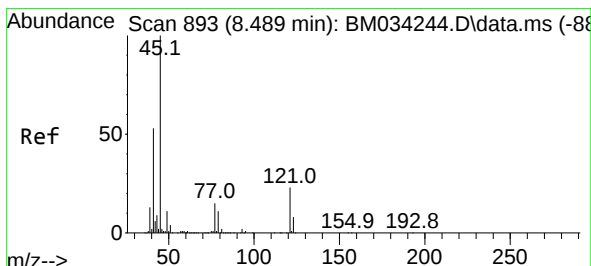
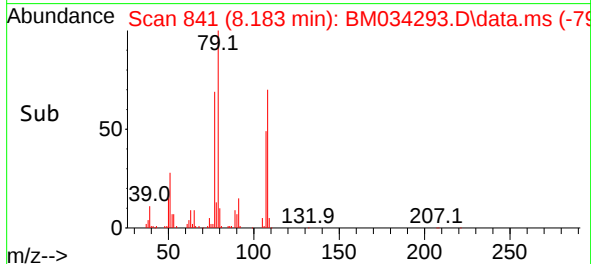
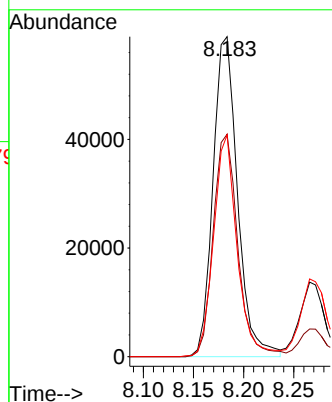
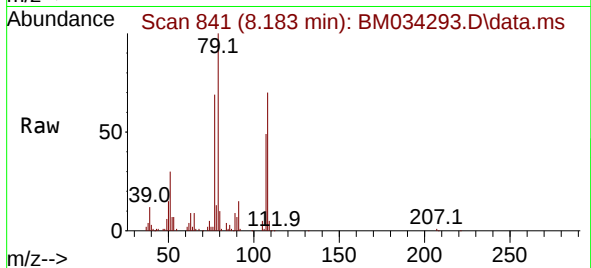




#15
Benzyl Alcohol
Concen: 8.967 ng
RT: 8.183 min Scan# 842
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

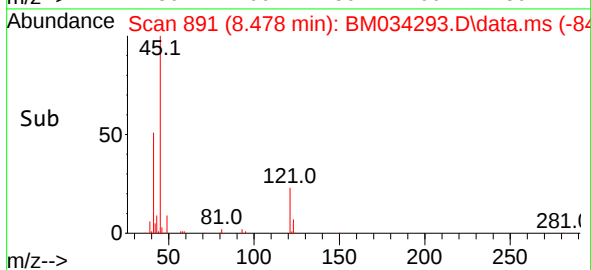
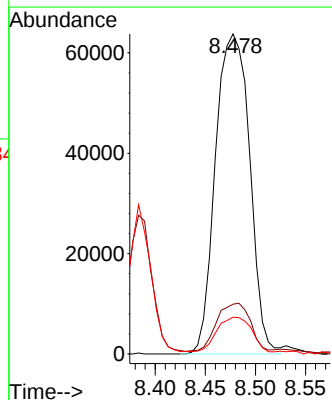
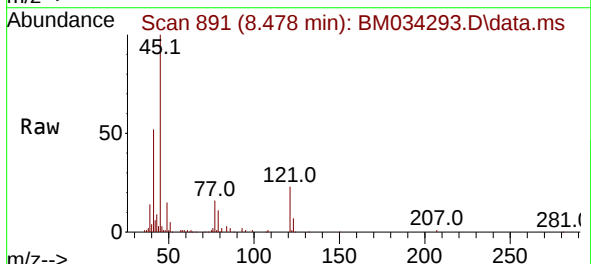
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

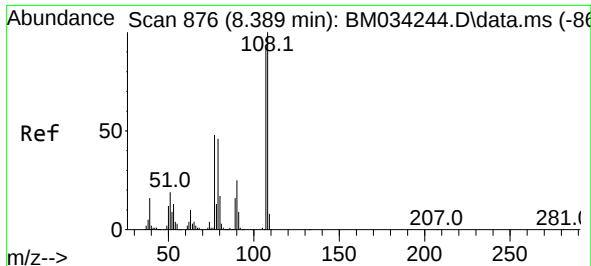
Tgt Ion: 79 Resp: 100267
Ion Ratio Lower Upper
79 100
108 69.5 58.1 87.1
77 69.3 51.8 77.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.627 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 45 Resp: 151537
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.7
79 11.5 0.0 31.7

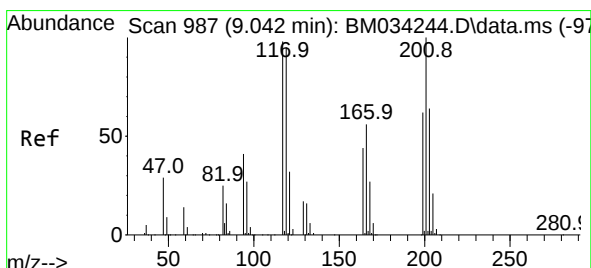
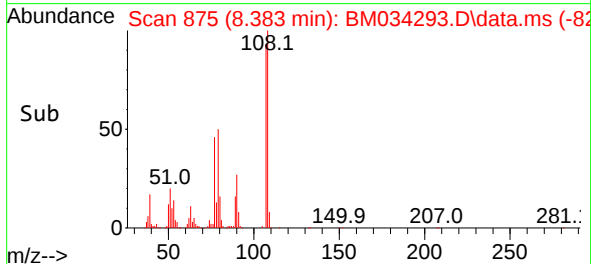
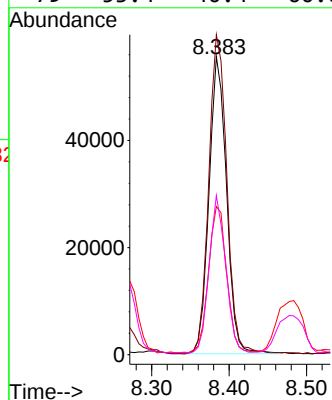
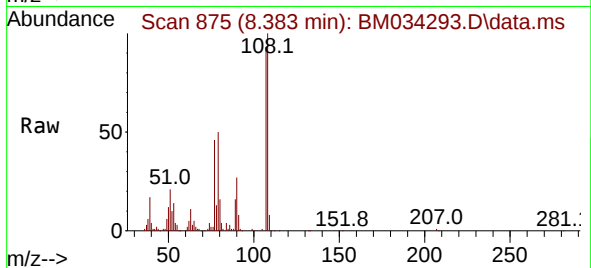




#17
2-Methylphenol
Concen: 8.913 ng
RT: 8.383 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

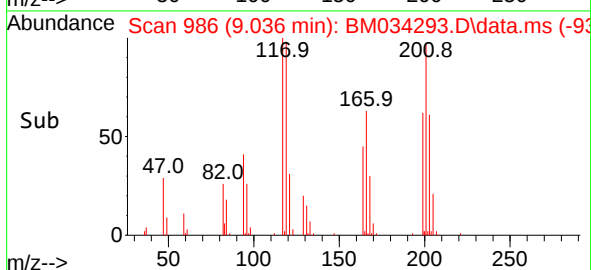
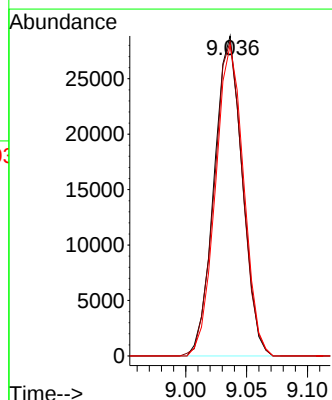
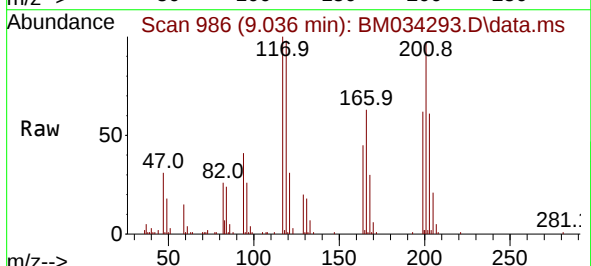
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

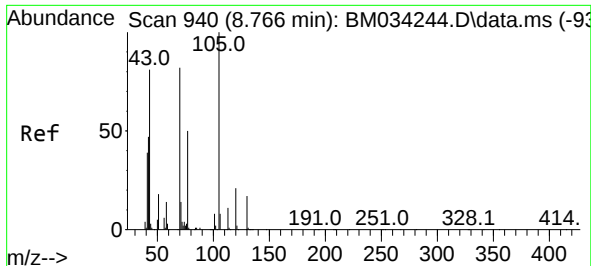
Tgt Ion:	107	Resp:	87236
Ion	Ratio	Lower	Upper
107	100		
108	107.3	87.3	130.9
77	49.7	41.6	62.4
79	53.4	40.4	60.6



#18
Hexachloroethane
Concen: 9.434 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:	117	Resp:	46379
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.4	116.0
201	97.1	81.6	122.4

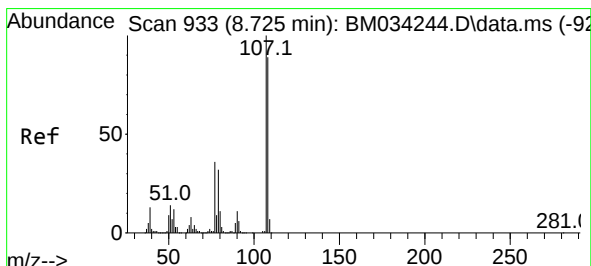
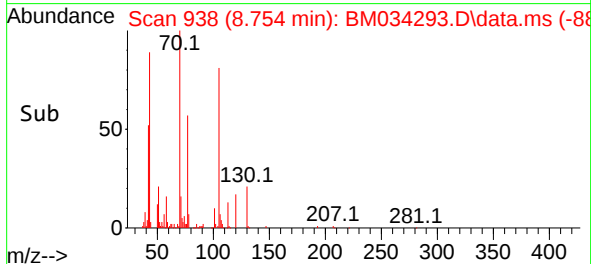
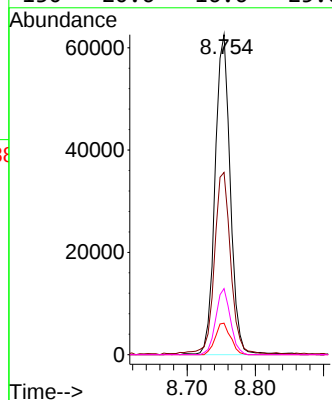
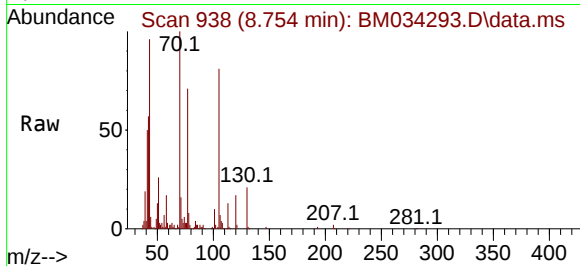




#19
n-Nitroso-di-n-propylamine
Concen: 9.571 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

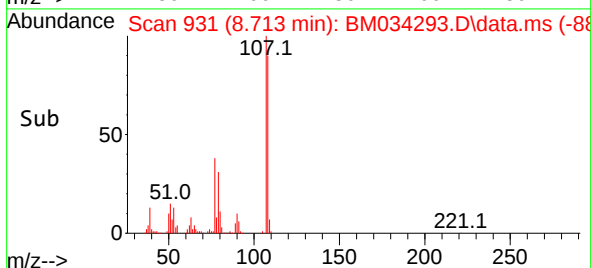
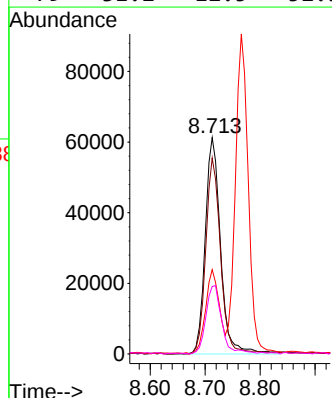
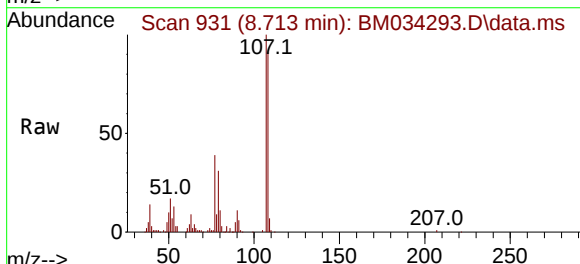
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

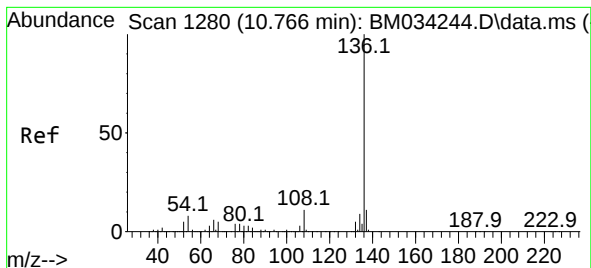
Tgt Ion:	70	Resp:	97269
Ion	Ratio	Lower	Upper
70	100		
42	57.0	46.7	70.1
101	9.9	7.8	11.6
130	20.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 8.788 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:	107	Resp:	118951
Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.2	109.2
77	39.0	16.5	56.5
79	31.2	12.5	52.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.754 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:136 Resp: 728743

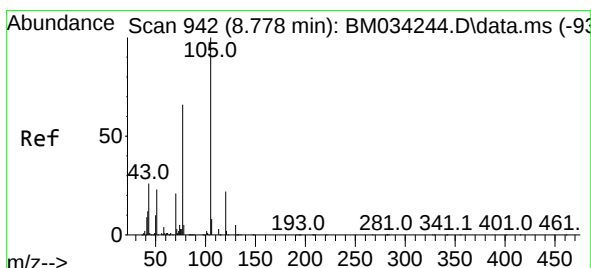
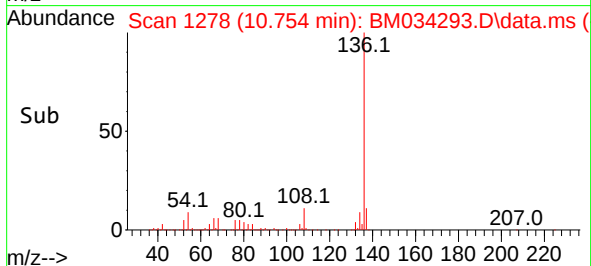
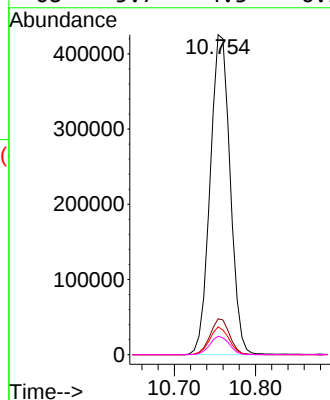
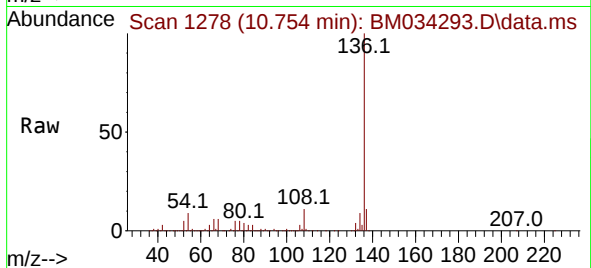
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.7 6.2 9.4

68 5.7 4.3 6.5



#22

Acetophenone

Concen: 9.477 ng

RT: 8.766 min Scan# 940

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Tgt Ion:105 Resp: 177234

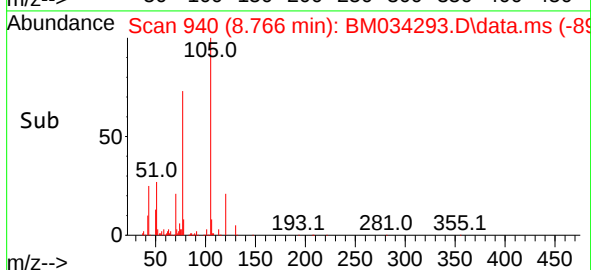
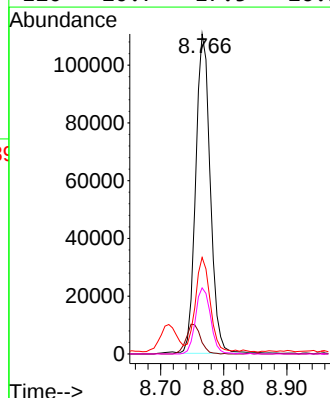
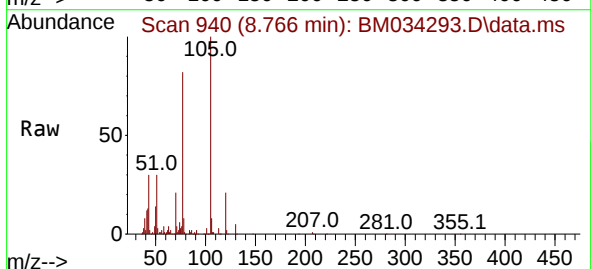
Ion Ratio Lower Upper

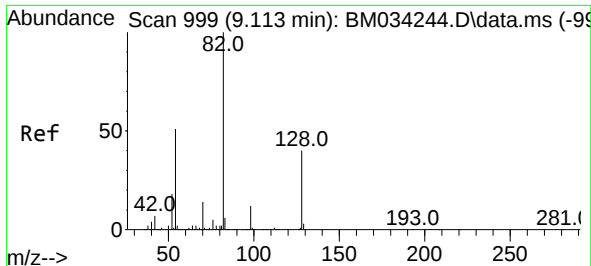
105 100

71 3.5 3.0 4.4

51 30.1 22.6 33.8

120 20.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.848 ng

RT: 9.107 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

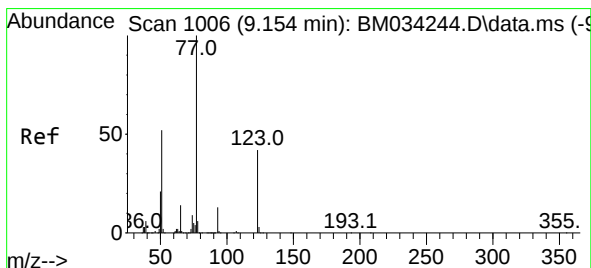
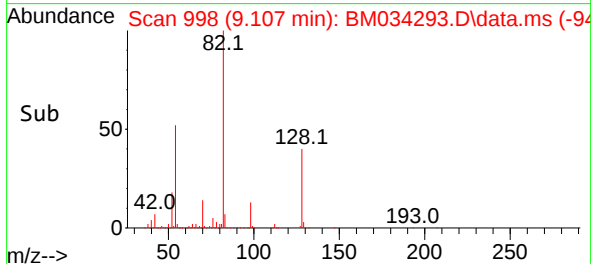
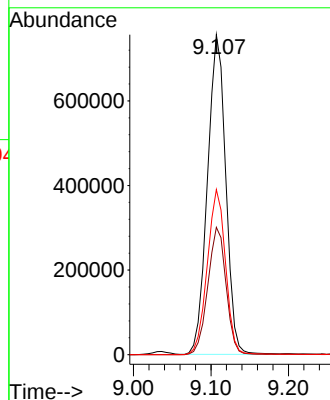
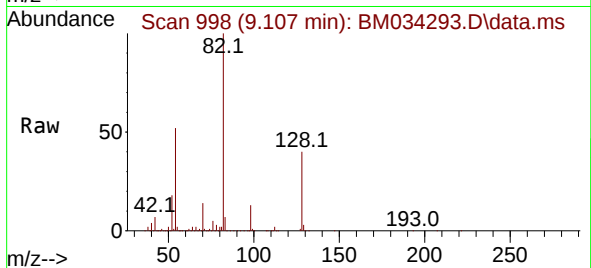
Tgt Ion: 82 Resp: 1240065

Ion Ratio Lower Upper

82 100

128 39.8 31.9 47.9

54 51.6 40.6 61.0



#24

Nitrobenzene

Concen: 9.987 ng

RT: 9.148 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

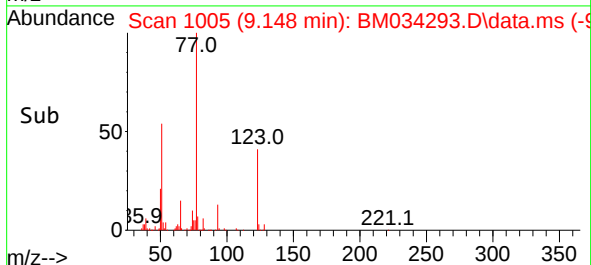
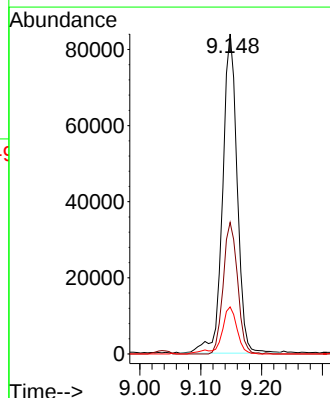
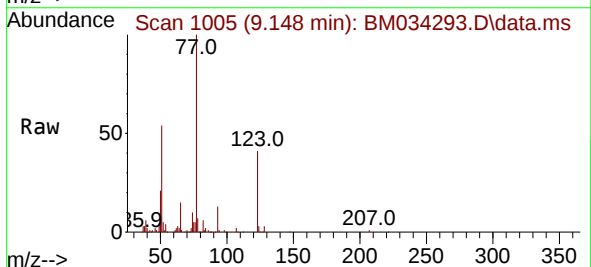
Tgt Ion: 77 Resp: 139558

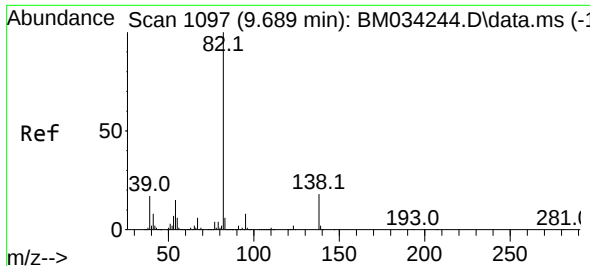
Ion Ratio Lower Upper

77 100

123 41.1 33.3 49.9

65 14.7 11.0 16.4

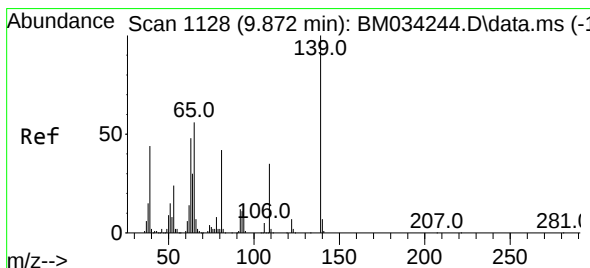
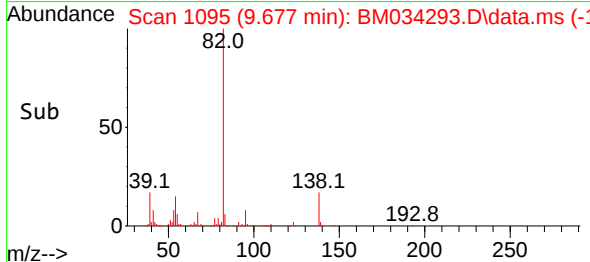
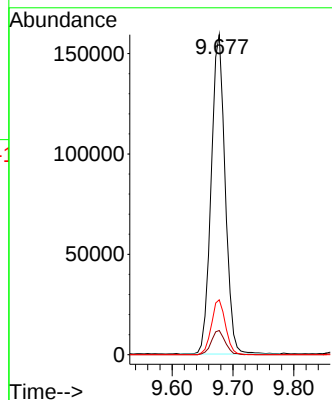
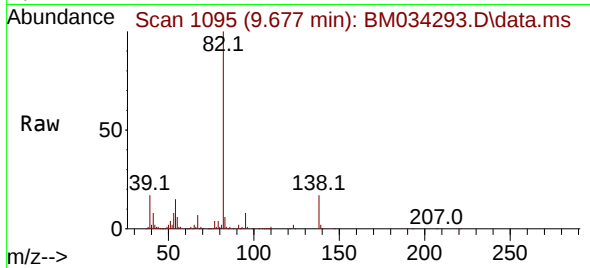




#25
Isophorone
Concen: 10.141 ng
RT: 9.677 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

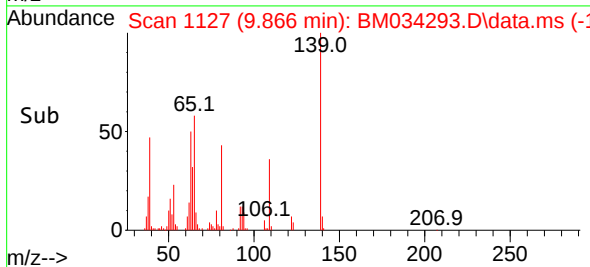
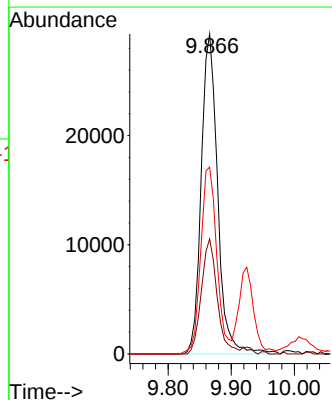
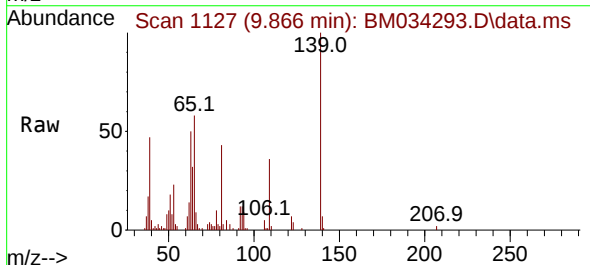
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

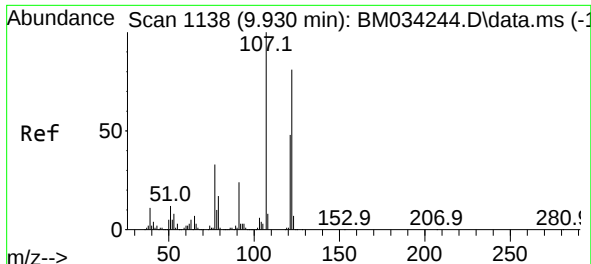
Tgt Ion: 82 Resp: 253996
Ion Ratio Lower Upper
82 100
95 7.5 6.6 9.8
138 17.2 14.4 21.6



#26
2-Nitrophenol
Concen: 8.545 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:139 Resp: 52954
Ion Ratio Lower Upper
139 100
109 35.9 28.1 42.1
65 58.4 44.6 67.0

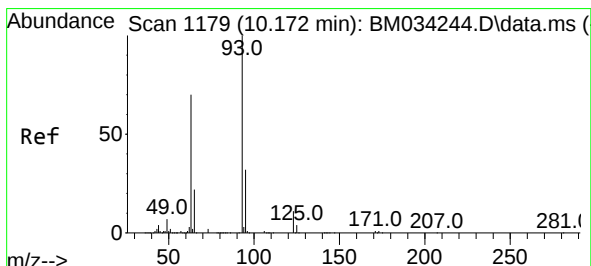
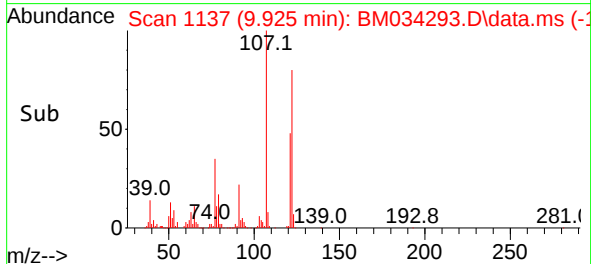
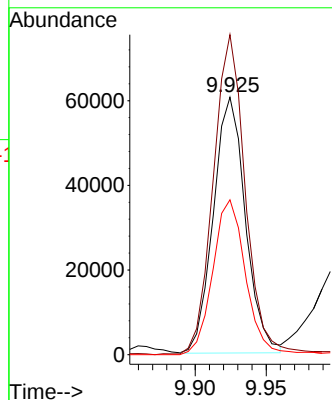
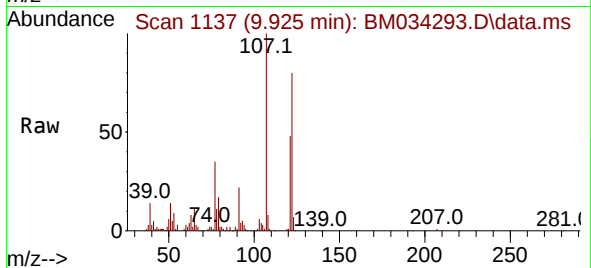




#27
2,4-Dimethylphenol
Concen: 9.789 ng
RT: 9.925 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

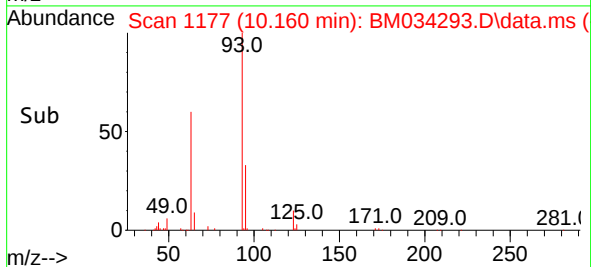
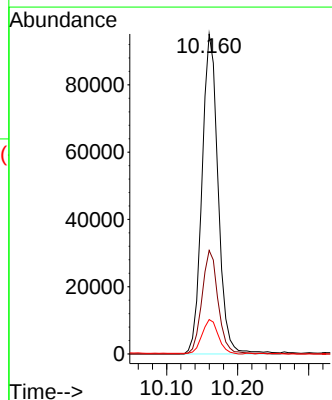
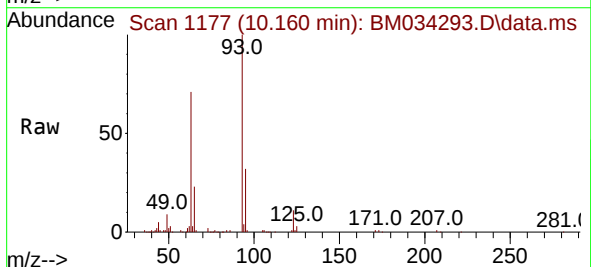
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

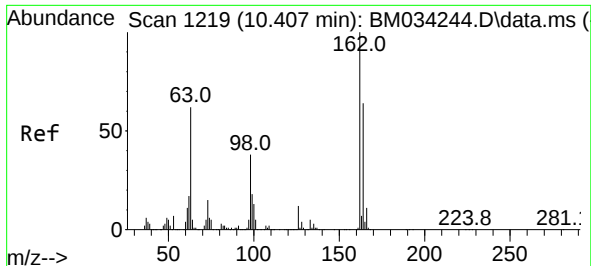
Tgt Ion:122 Resp: 94993
Ion Ratio Lower Upper
122 100
107 124.3 99.0 148.6
121 60.2 47.7 71.5



#28
bis(2-Chloroethoxy)methane
Concen: 9.372 ng
RT: 10.160 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 93 Resp: 150286
Ion Ratio Lower Upper
93 100
95 32.4 26.0 39.0
123 10.8 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 8.842 ng

RT: 10.401 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

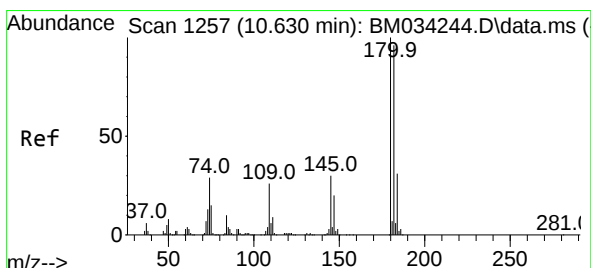
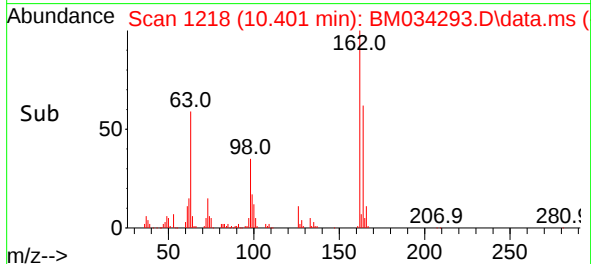
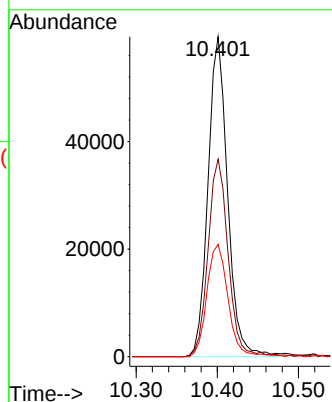
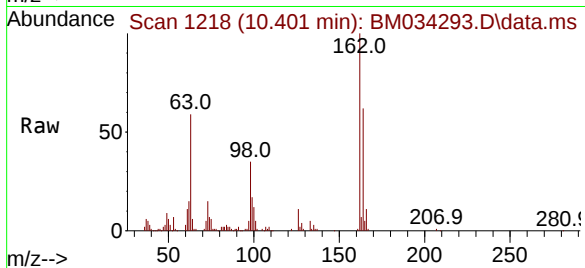
Tgt Ion:162 Resp: 99689

Ion Ratio Lower Upper

162 100

164 61.7 43.9 83.9

98 35.1 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 9.202 ng

RT: 10.619 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

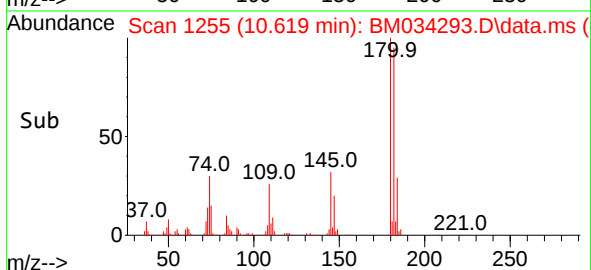
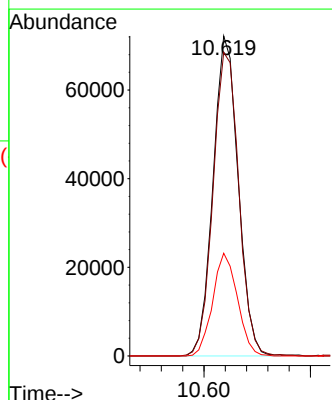
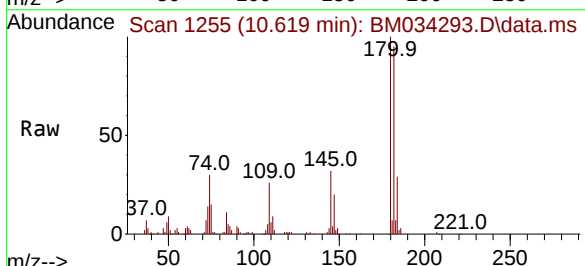
Tgt Ion:180 Resp: 117933

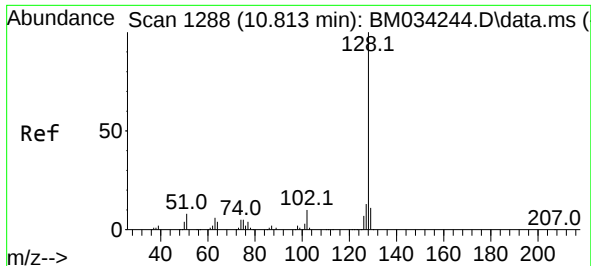
Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

145 32.1 23.7 35.5

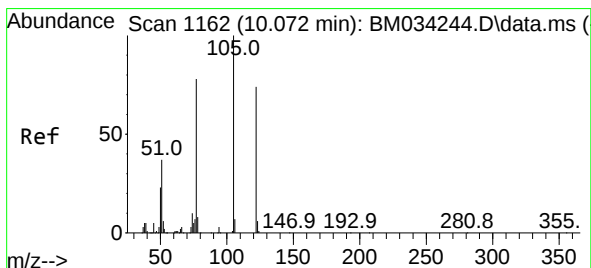
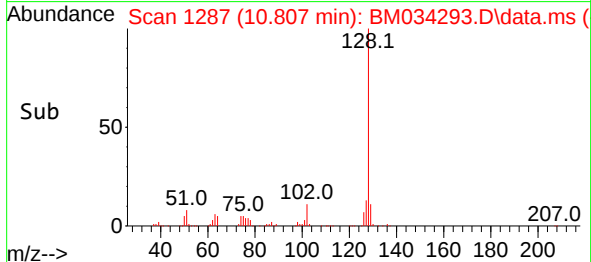
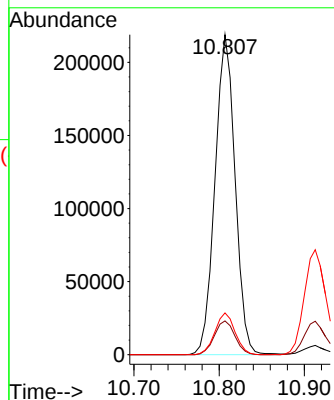
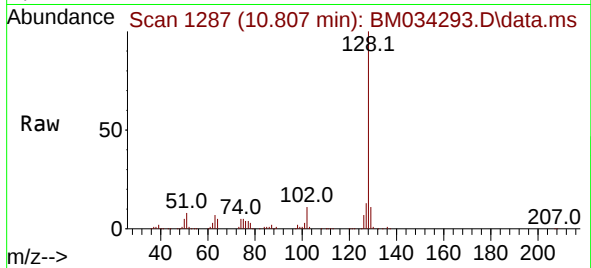




#31
Naphthalene
Concen: 9.444 ng
RT: 10.807 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

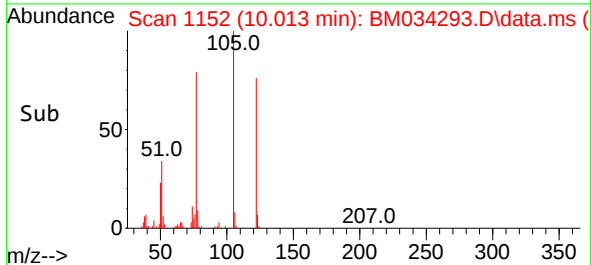
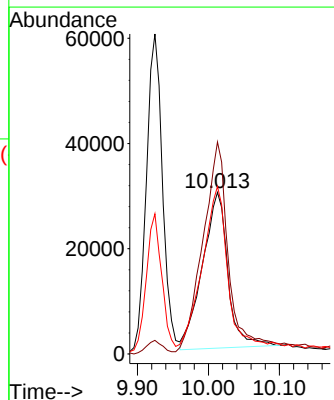
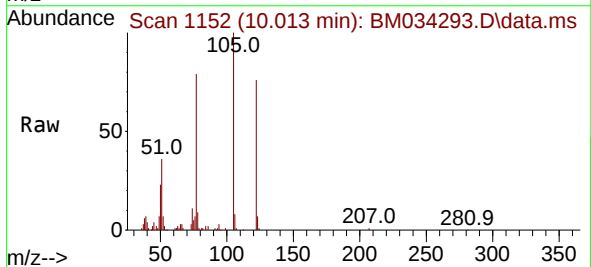
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

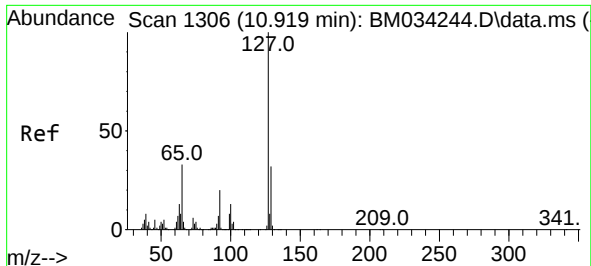
Tgt Ion:128 Resp: 358542
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.0 10.2 15.4



#32
Benzoic acid
Concen: 9.196 ng
RT: 10.013 min Scan# 1152
Delta R.T. -0.059 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:122 Resp: 73797
Ion Ratio Lower Upper
122 100
105 131.3 109.6 149.6
77 103.8 83.1 123.1

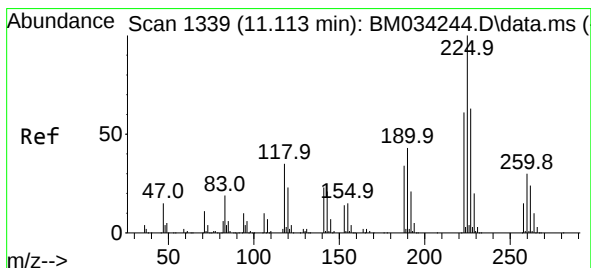
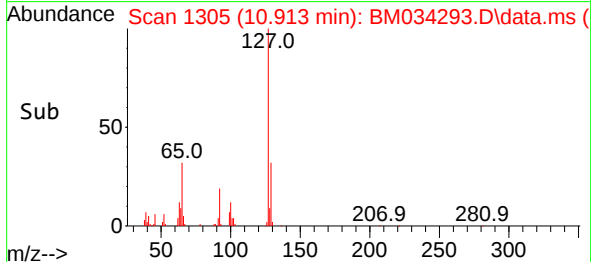
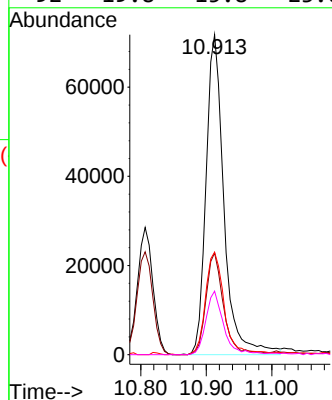
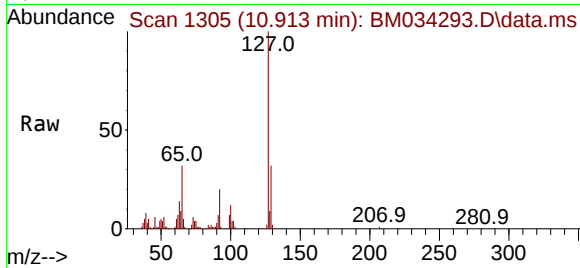




#33
4-Chloroaniline
Concen: 9.146 ng
RT: 10.913 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

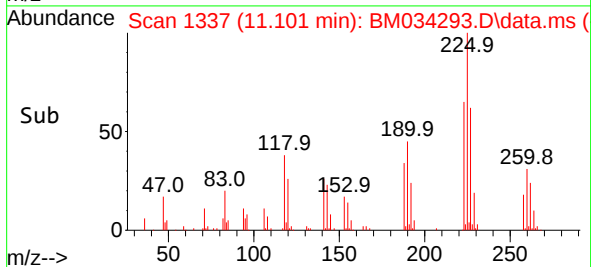
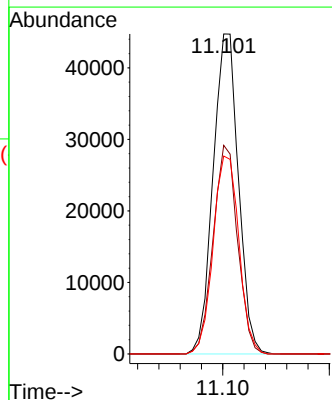
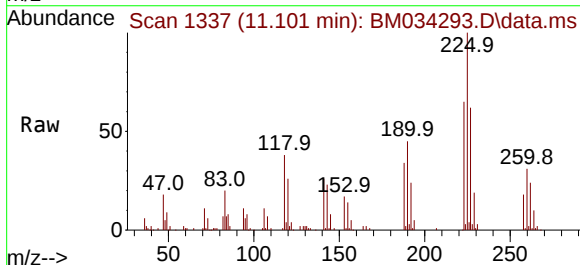
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

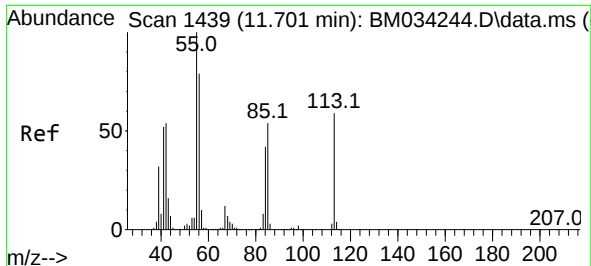
Tgt	Ion:127	Resp:	136980
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	32.1	26.2	39.2
92	19.8	15.8	23.6



#34
Hexachlorobutadiene
Concen: 9.089 ng
RT: 11.101 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt	Ion:225	Resp:	73782
Ion	Ratio	Lower	Upper
225	100		
223	65.2	49.0	73.4
227	61.9	50.2	75.2

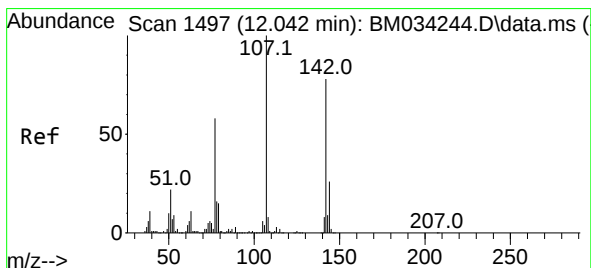
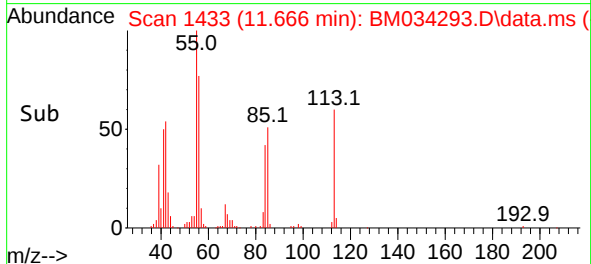
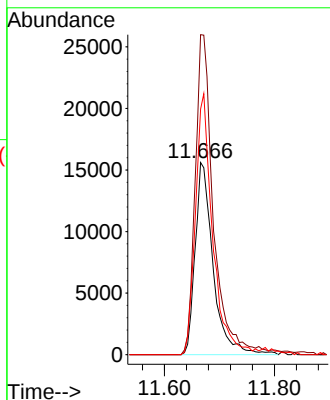
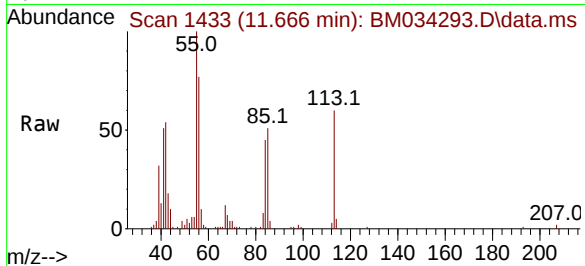




#35
Caprolactam
Concen: 9.060 ng
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

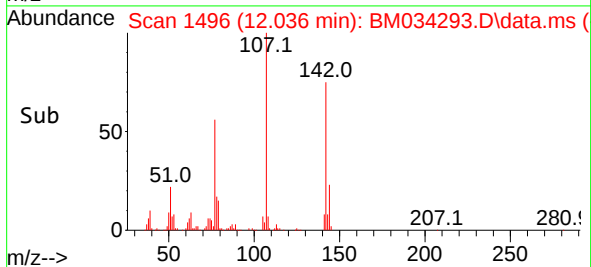
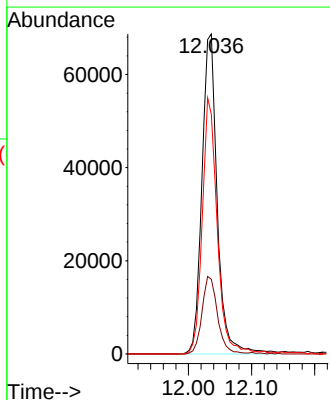
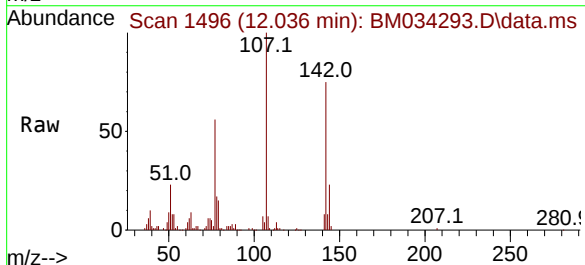
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

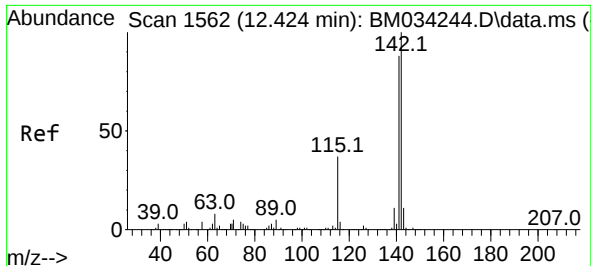
Tgt Ion:113 Resp: 35509
Ion Ratio Lower Upper
113 100
55 166.5 148.9 188.9
56 127.8 113.3 153.3



#36
4-Chloro-3-methylphenol
Concen: 8.992 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:107 Resp: 116184
Ion Ratio Lower Upper
107 100
144 23.4 20.8 31.2
142 74.9 62.7 94.1

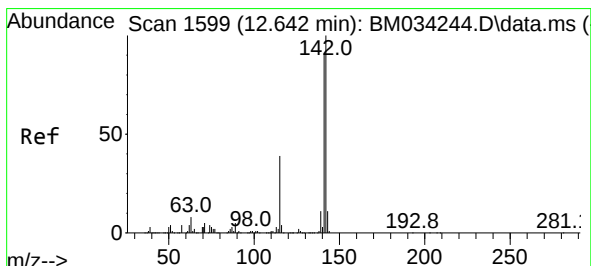
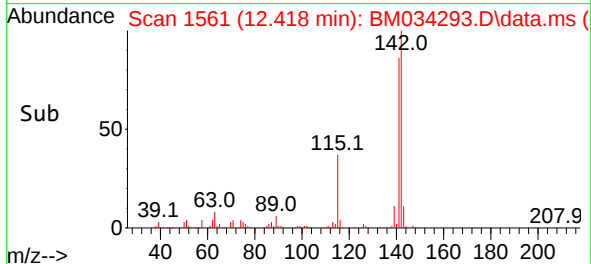
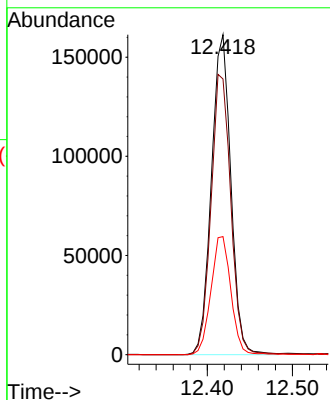
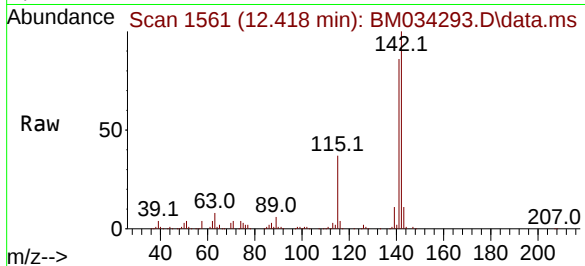




#37
2-Methylnaphthalene
Concen: 9.444 ng
RT: 12.418 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

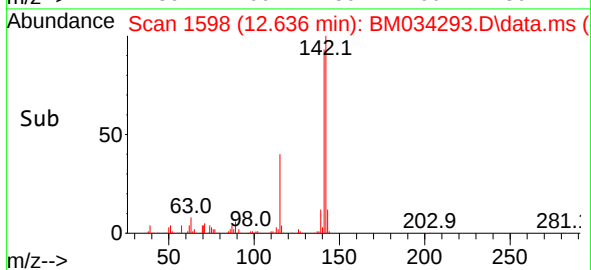
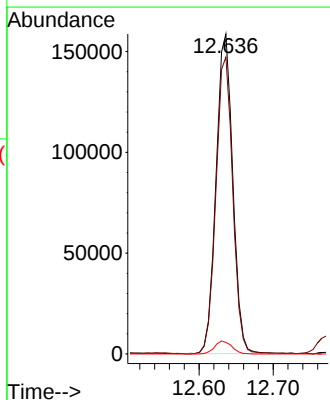
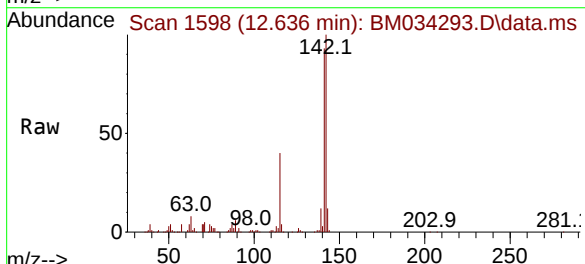
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

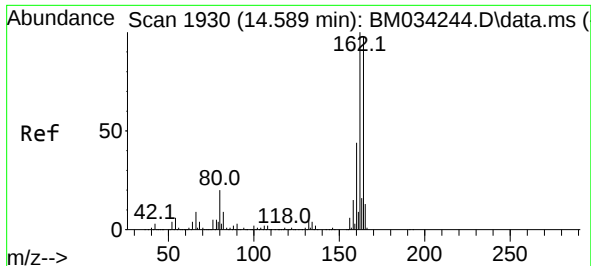
Tgt Ion:142 Resp: 255848
Ion Ratio Lower Upper
142 100
141 86.2 70.1 105.1
115 36.9 29.9 44.9



#38
1-Methylnaphthalene
Concen: 9.386 ng
RT: 12.636 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:142 Resp: 248746
Ion Ratio Lower Upper
142 100
141 92.8 73.0 109.6
116 3.6 3.2 4.8

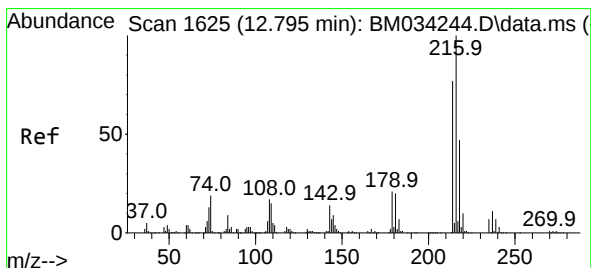
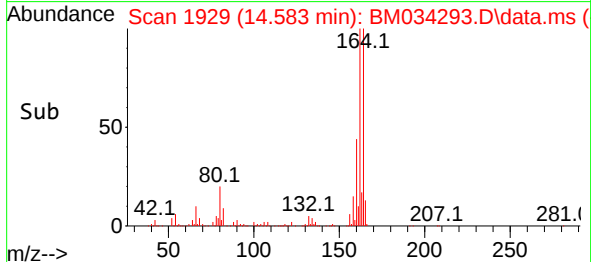
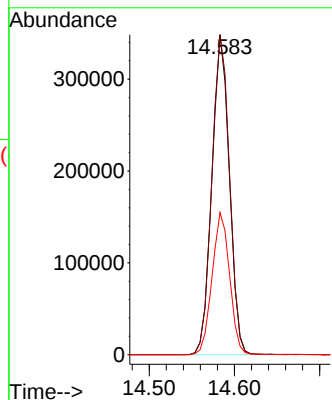
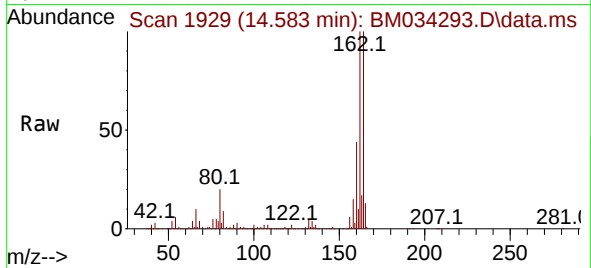




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

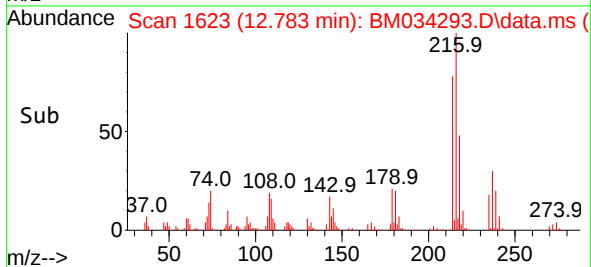
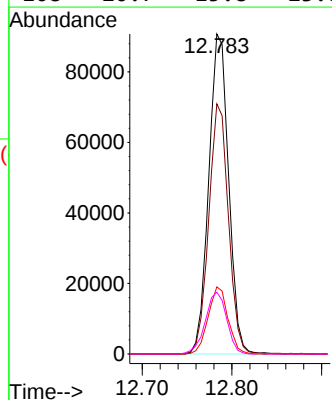
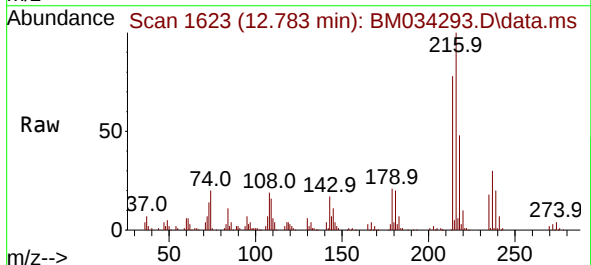
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

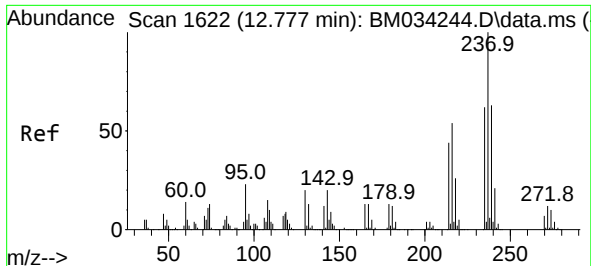
Tgt Ion:164 Resp: 495371
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 44.5 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.318 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:216 Resp: 139300
Ion Ratio Lower Upper
216 100
214 77.3 62.7 94.1
179 21.0 17.2 25.8
108 20.7 15.8 23.8

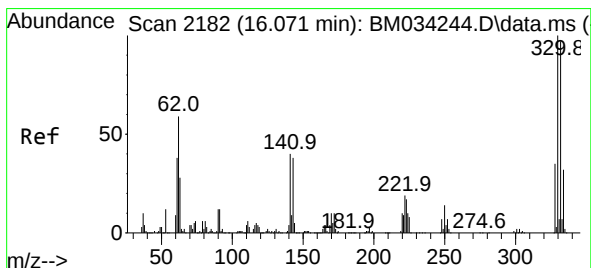
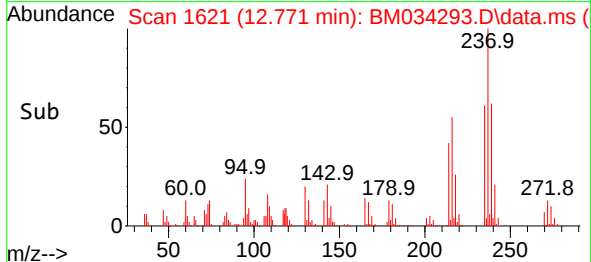
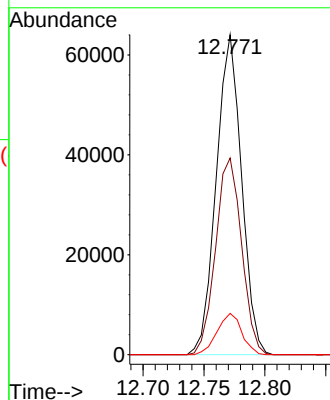
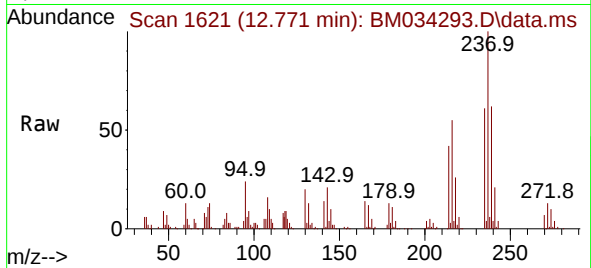




#41
Hexachlorocyclopentadiene
Concen: 10.703 ng
RT: 12.771 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

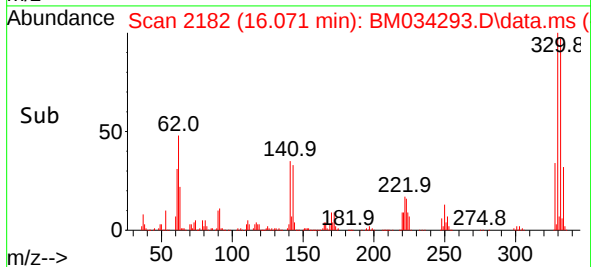
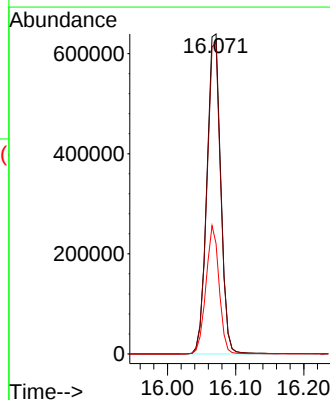
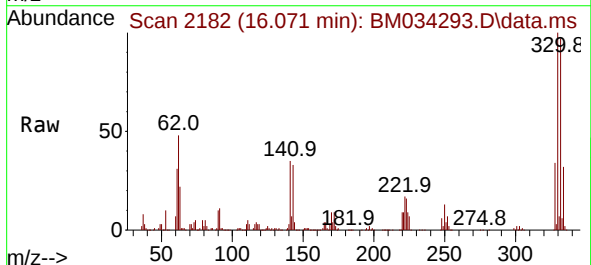
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

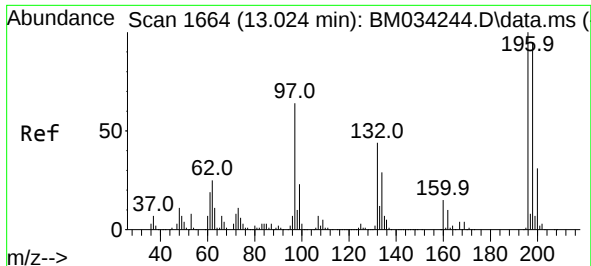
Tgt Ion:237 Resp: 92648
Ion Ratio Lower Upper
237 100
235 61.4 42.1 82.1
272 12.9 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 135.513 ng
RT: 16.071 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:330 Resp: 904819
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.4
141 38.1 30.6 45.8





#43

2,4,6-Trichlorophenol

Concen: 8.336 ng

RT: 13.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

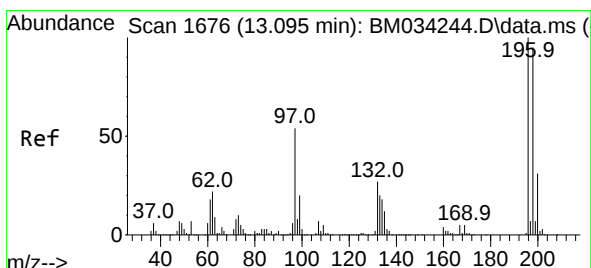
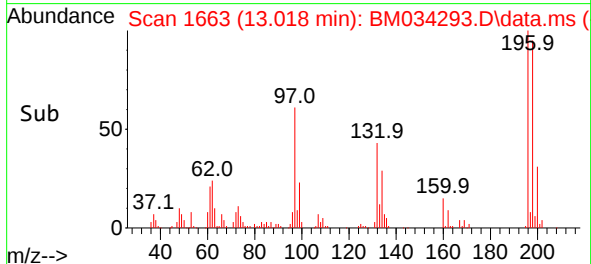
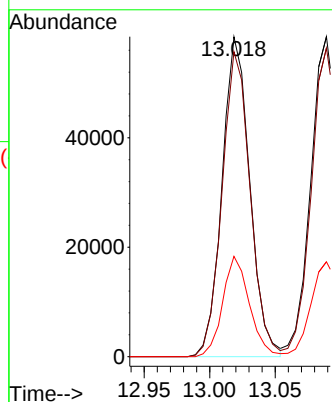
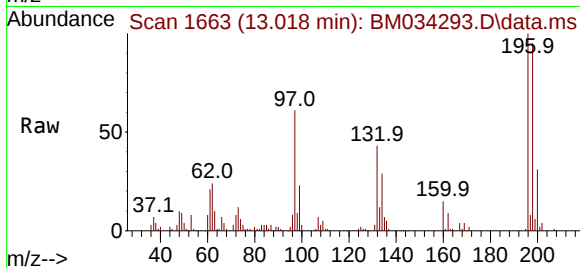
Tgt Ion:196 Resp: 86039

Ion Ratio Lower Upper

196 100

198 95.4 76.1 114.1

200 31.4 24.9 37.3



#44

2,4,5-Trichlorophenol

Concen: 8.460 ng

RT: 13.089 min Scan# 1675

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Tgt Ion:196 Resp: 93725

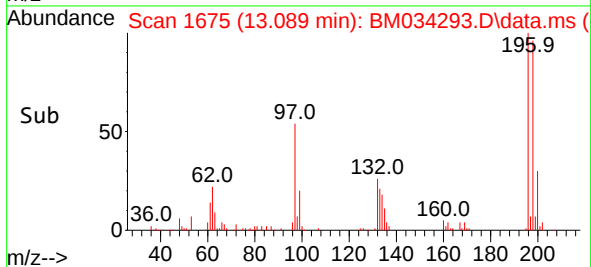
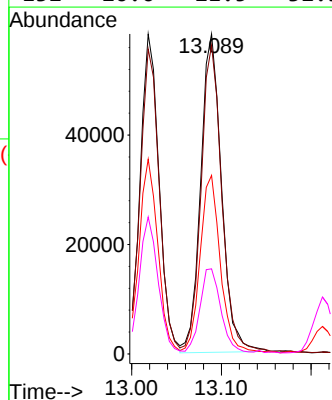
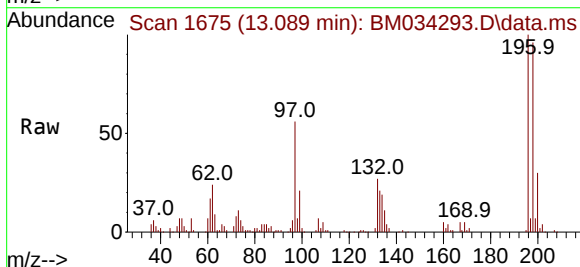
Ion Ratio Lower Upper

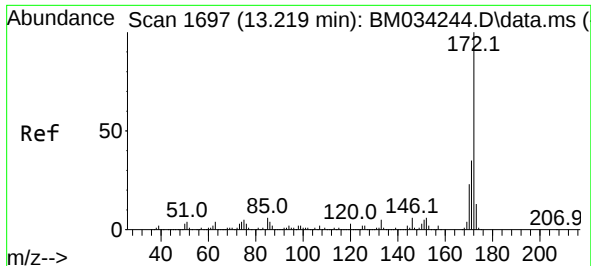
196 100

198 96.5 75.9 113.9

97 55.8 43.2 64.8

132 26.6 21.5 32.3

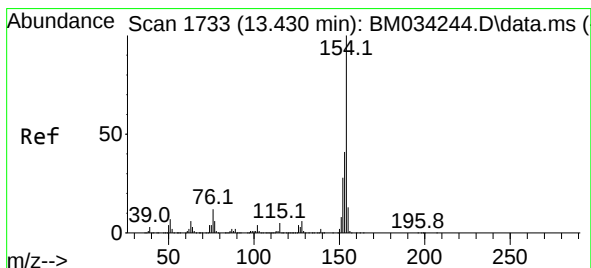
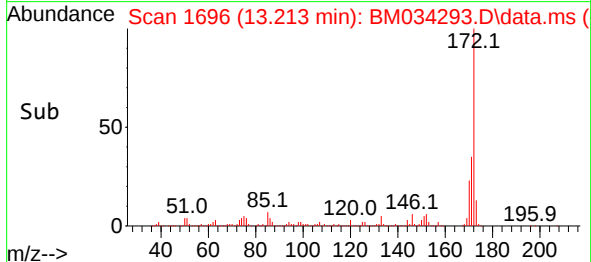
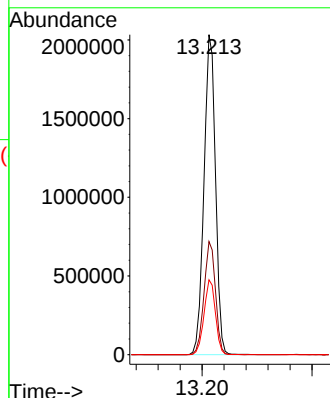
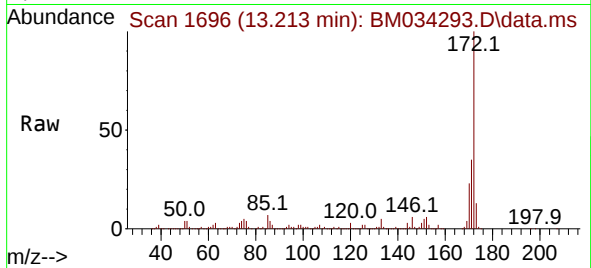




#45
2-Fluorobiphenyl
Concen: 81.478 ng
RT: 13.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

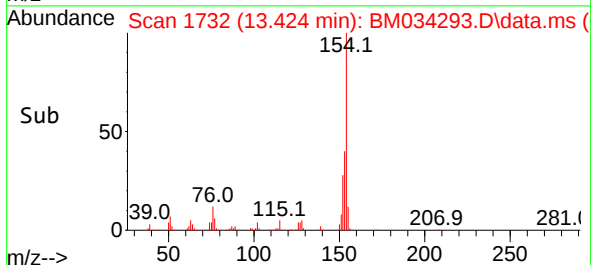
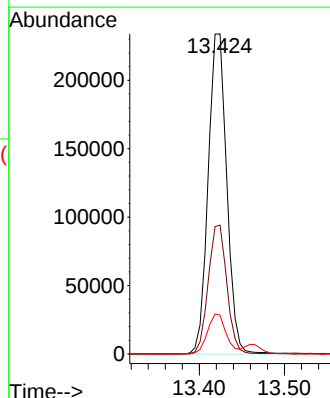
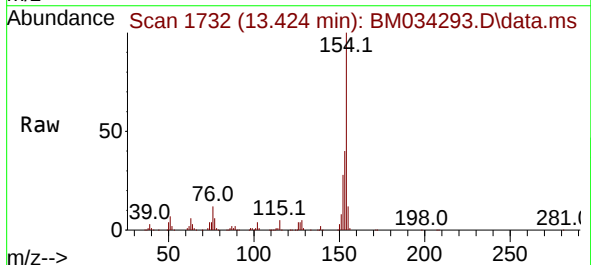
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

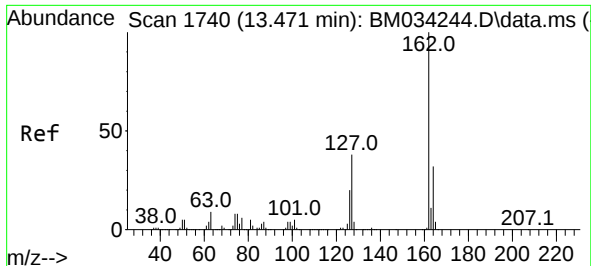
Tgt Ion:172 Resp: 2953670
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 9.386 ng
RT: 13.424 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:154 Resp: 354508
Ion Ratio Lower Upper
154 100
153 40.3 21.0 61.0
76 12.1 0.0 32.1

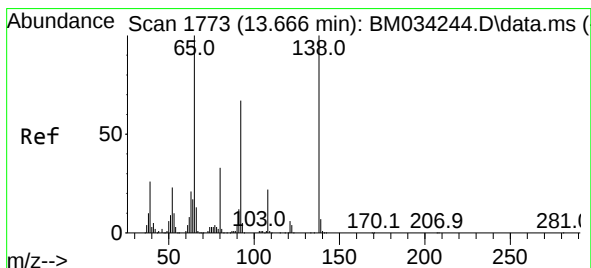
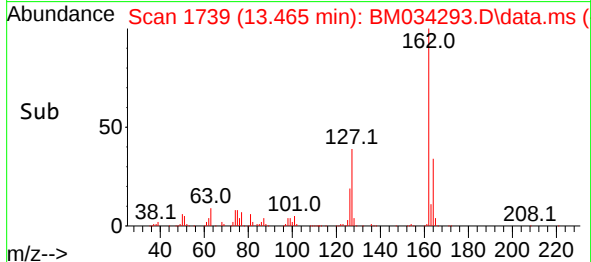
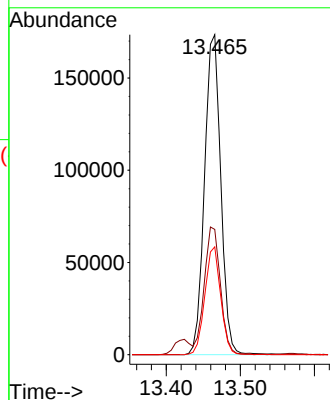
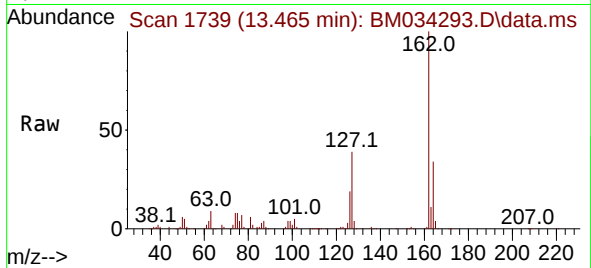




#47
2-Chloronaphthalene
Concen: 9.135 ng
RT: 13.465 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

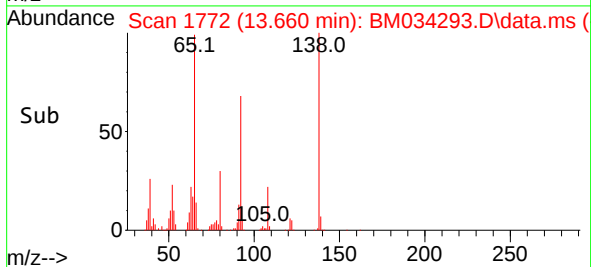
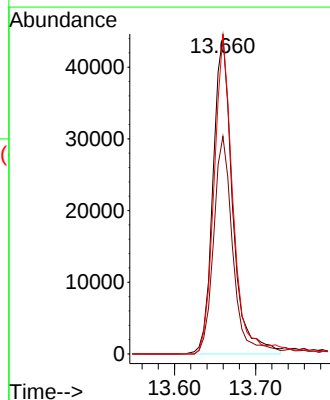
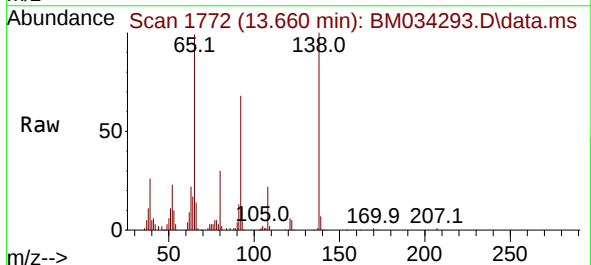
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

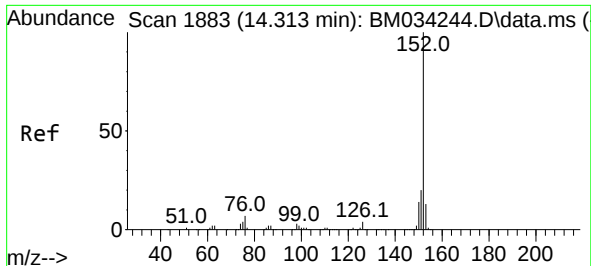
Tgt Ion:162 Resp: 264837
Ion Ratio Lower Upper
162 100
127 39.2 30.4 45.6
164 33.7 25.8 38.8



#48
2-Nitroaniline
Concen: 8.347 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion: 65 Resp: 73989
Ion Ratio Lower Upper
65 100
92 68.4 53.8 80.8
138 100.5 79.9 119.9

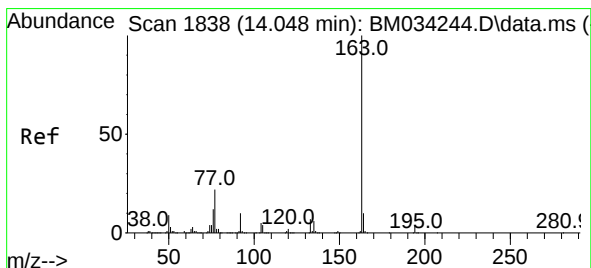
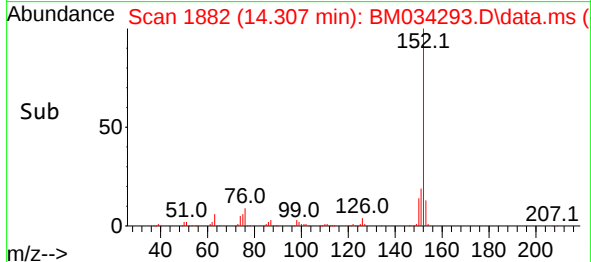
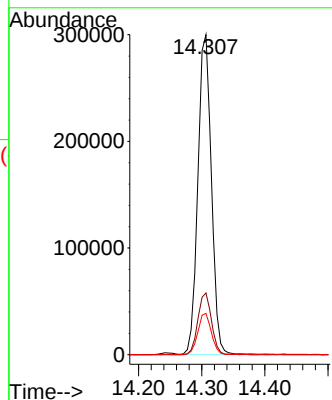
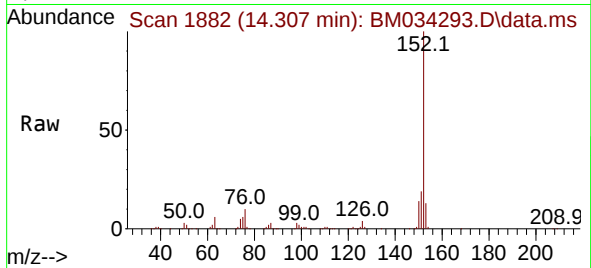




#49
Acenaphthylene
Concen: 9.806 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

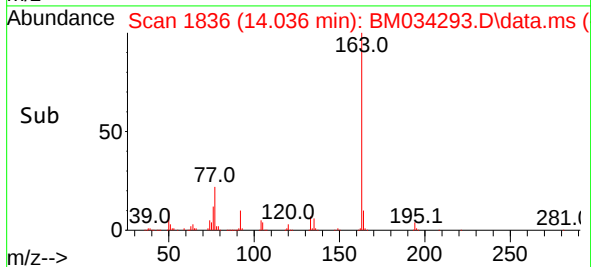
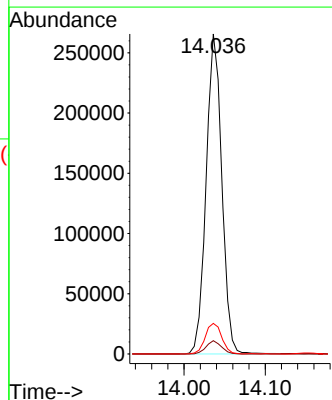
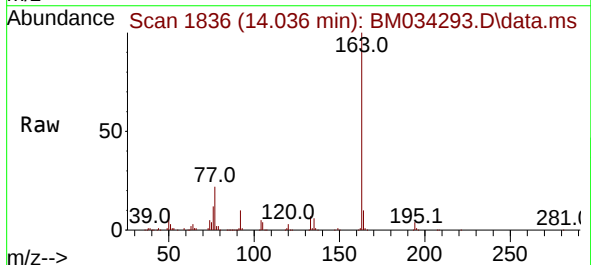
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

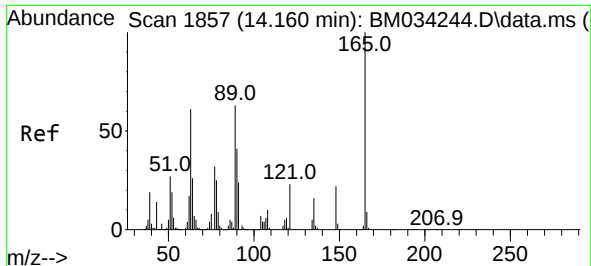
Tgt Ion:152 Resp: 443118
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.9 10.6 16.0



#50
Dimethylphthalate
Concen: 9.430 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:163 Resp: 355525
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.5 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 9.463 ng

RT: 14.148 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

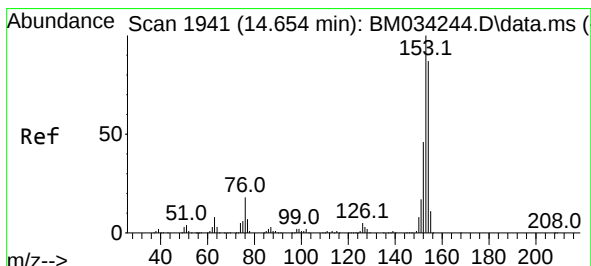
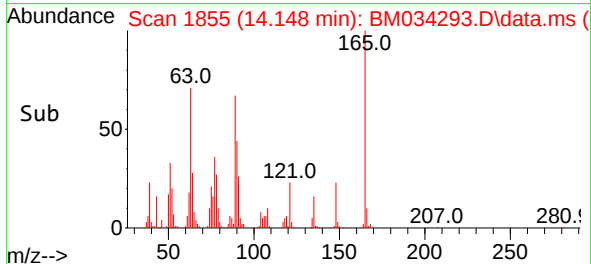
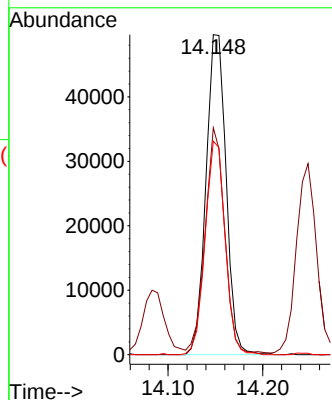
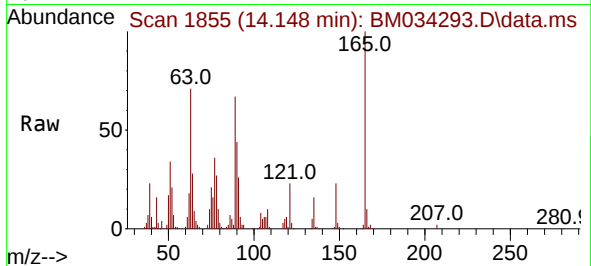
Tgt Ion:165 Resp: 73180

Ion Ratio Lower Upper

165 100

63 70.9 51.9 77.9

89 66.8 50.6 76.0



#52

Acenaphthene

Concen: 9.268 ng

RT: 14.648 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

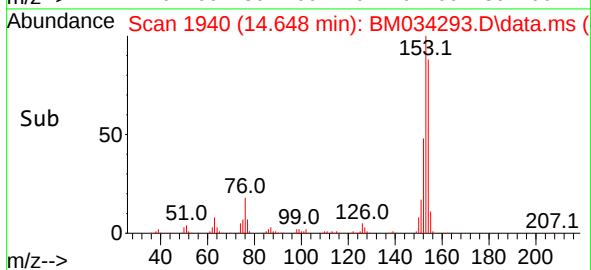
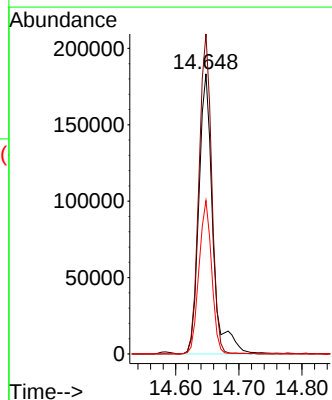
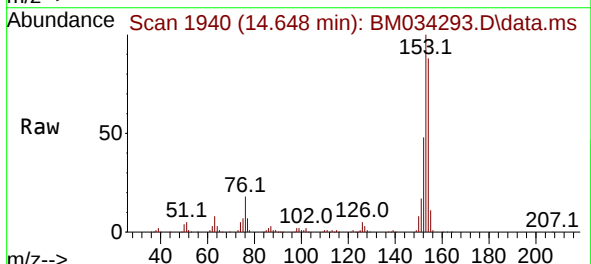
Tgt Ion:154 Resp: 282086

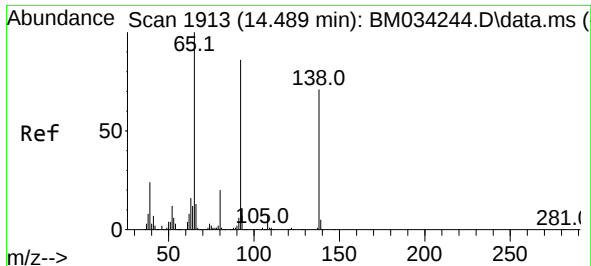
Ion Ratio Lower Upper

154 100

153 114.2 91.8 137.8

152 54.8 42.6 64.0

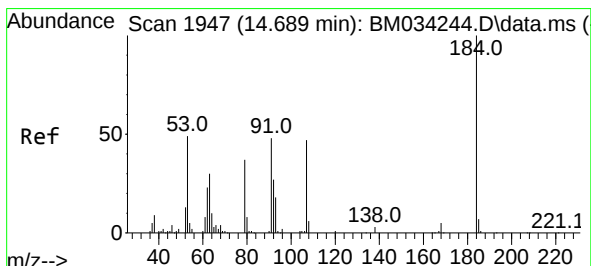
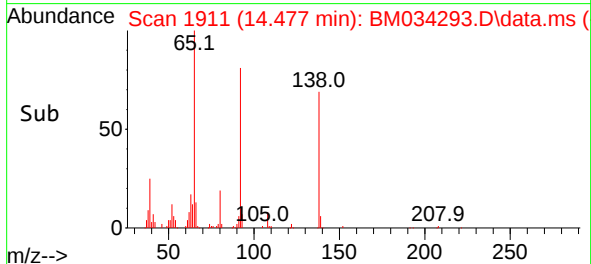
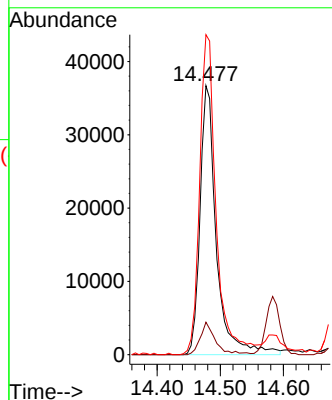
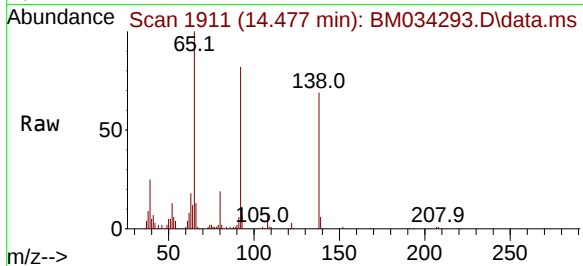




#53
3-Nitroaniline
Concen: 8.498 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

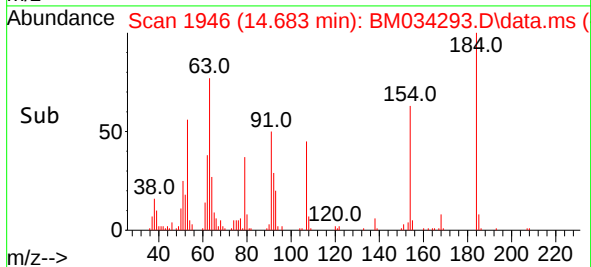
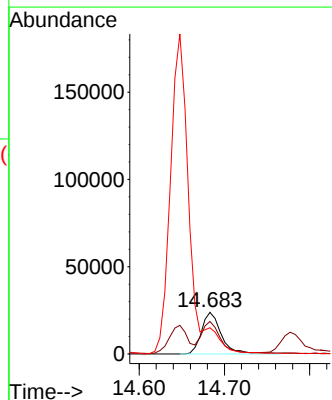
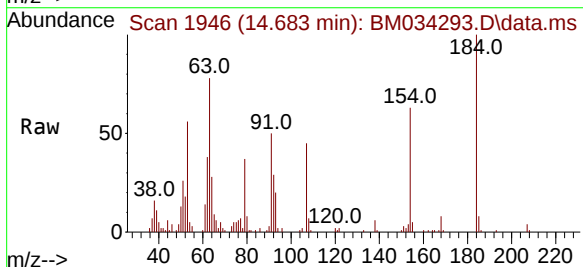
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

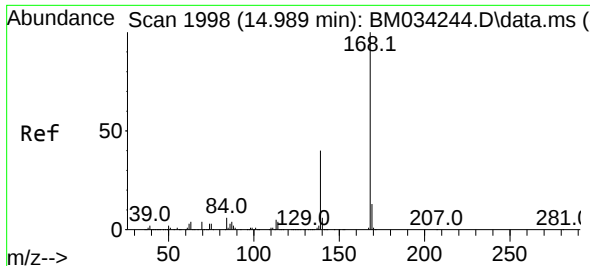
Tgt Ion:138 Resp: 65933
Ion Ratio Lower Upper
138 100
108 12.1 8.3 12.5
92 119.0 97.6 146.4



#54
2,4-Dinitrophenol
Concen: 9.004 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:184 Resp: 39012
Ion Ratio Lower Upper
184 100
63 78.0 58.3 87.5
154 63.0 52.6 78.8

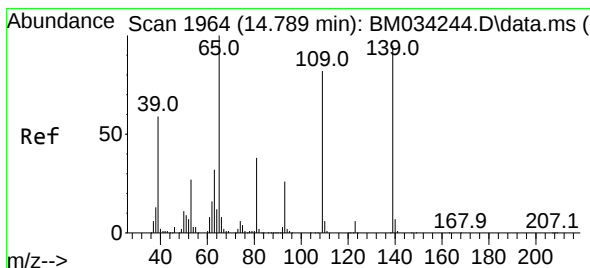
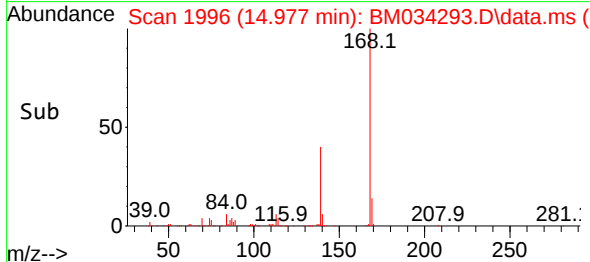
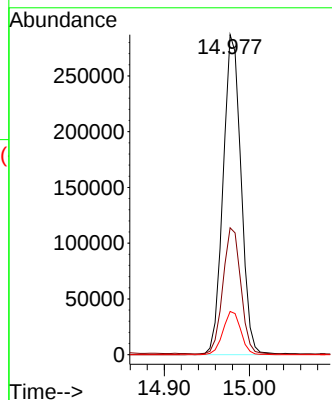
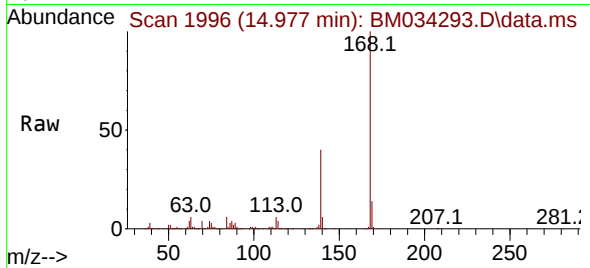




#55
Dibenzenofuran
Concen: 9.238 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

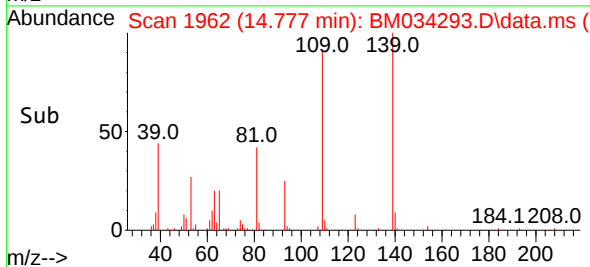
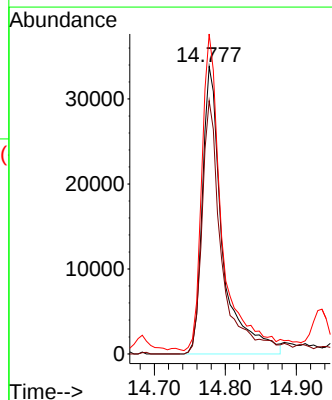
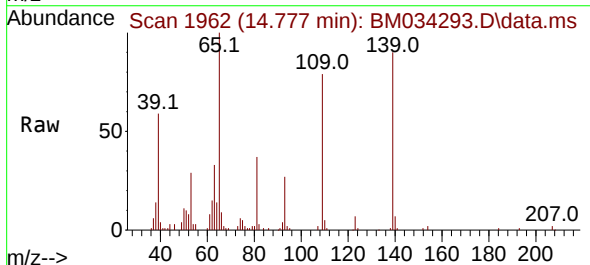
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

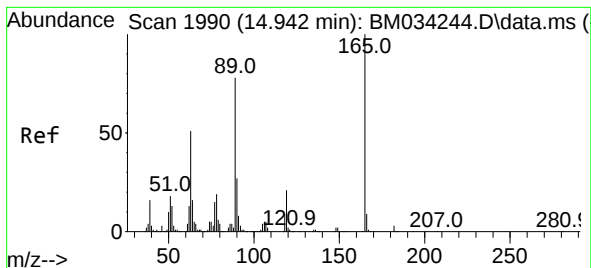
Tgt Ion:168 Resp: 419055
Ion Ratio Lower Upper
168 100
139 39.6 32.4 48.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 10.625 ng
RT: 14.777 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:139 Resp: 66829
Ion Ratio Lower Upper
139 100
109 88.1 66.3 106.3
65 111.3 85.5 125.5





#57

2,4-Dinitrotoluene

Concen: 9.245 ng

RT: 14.936 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BM034293.D

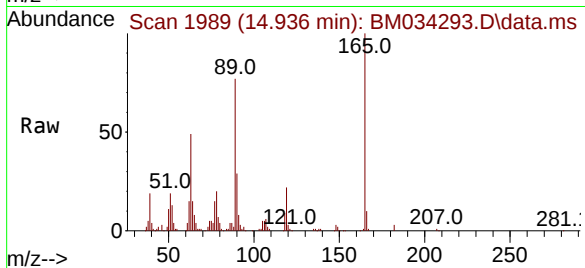
Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:165 Resp: 96636

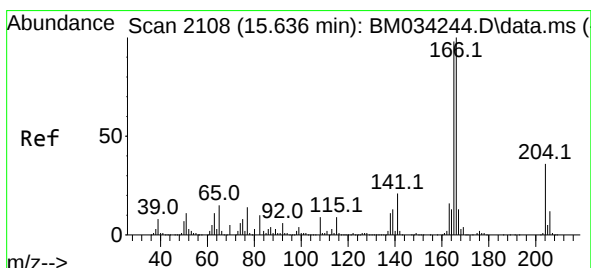
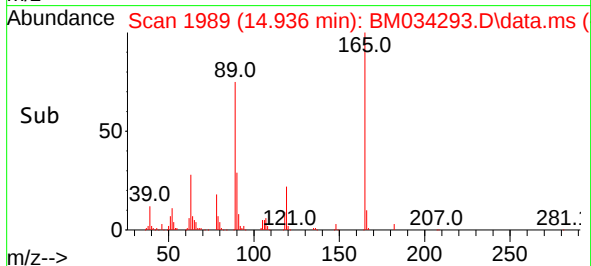
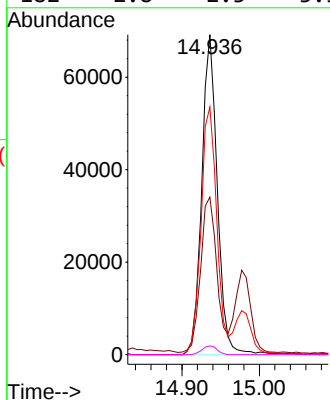
Ion Ratio Lower Upper

165 100

63 49.3 40.6 61.0

89 77.4 62.7 94.1

182 2.8 2.3 3.5



#58

Fluorene

Concen: 9.278 ng

RT: 15.624 min Scan# 2106

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

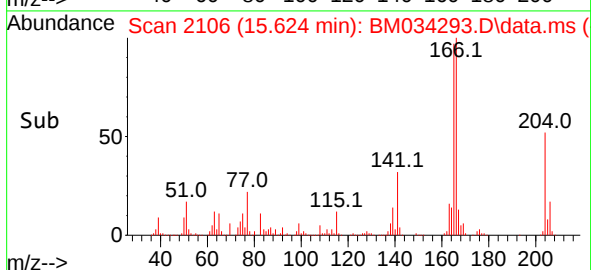
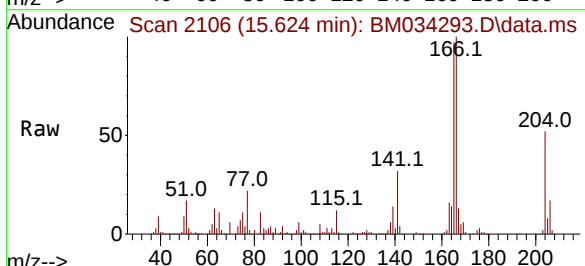
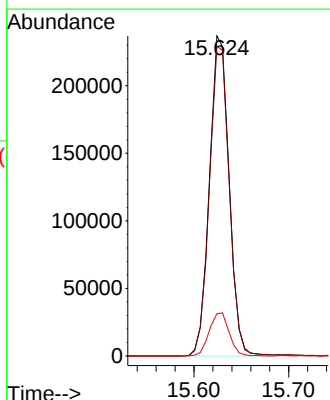
Tgt Ion:166 Resp: 341664

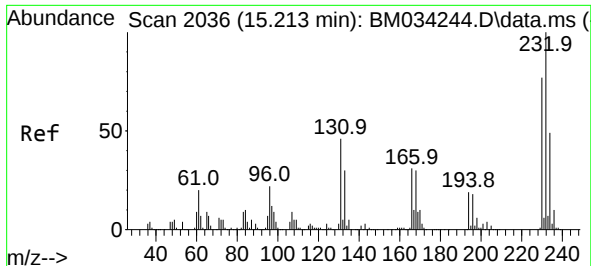
Ion Ratio Lower Upper

166 100

165 96.8 78.0 117.0

167 13.2 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.885 ng

RT: 15.207 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:232 Resp: 88756

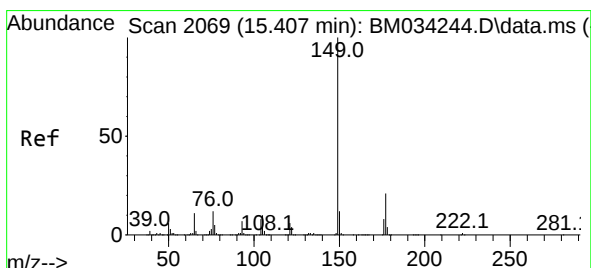
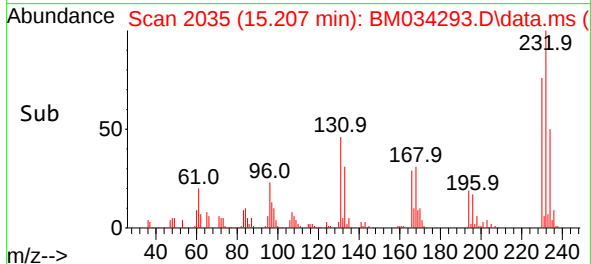
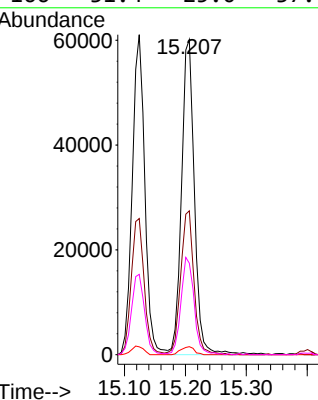
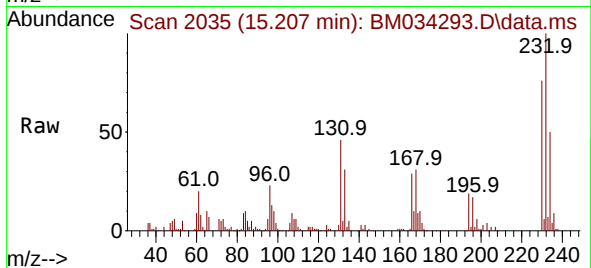
Ion Ratio Lower Upper

232 100

131 47.0 38.0 57.0

130 2.7 2.2 3.2

166 31.4 25.0 37.4



#60

Diethylphthalate

Concen: 9.541 ng

RT: 15.395 min Scan# 2067

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

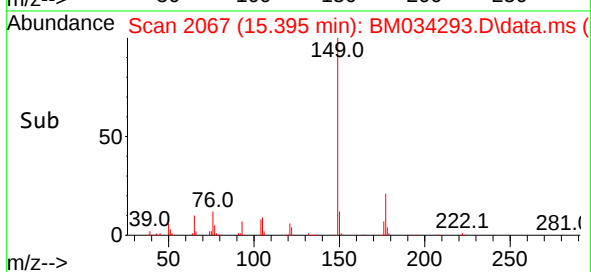
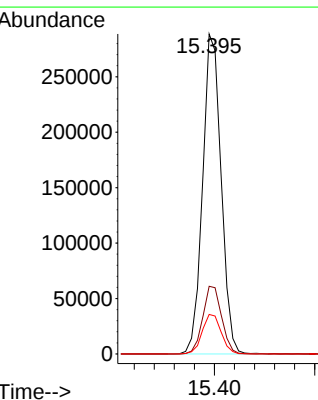
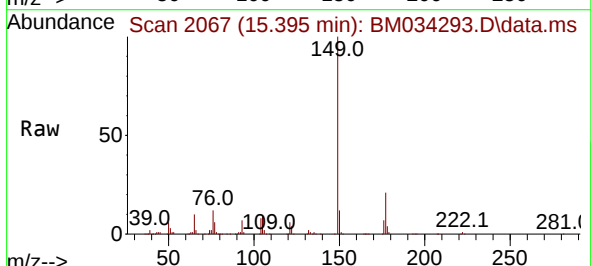
Tgt Ion:149 Resp: 369044

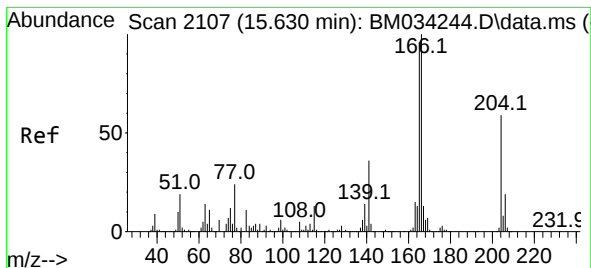
Ion Ratio Lower Upper

149 100

177 21.1 17.1 25.7

150 12.3 9.9 14.9

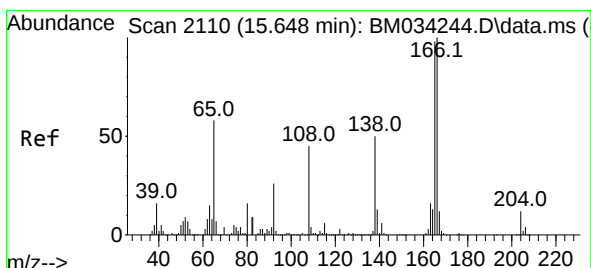
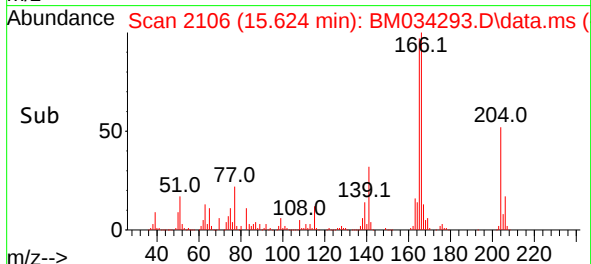
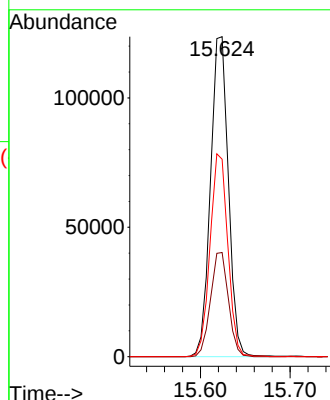
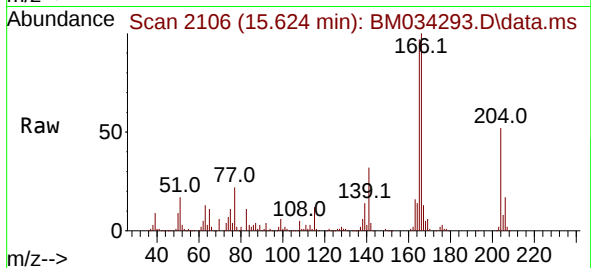




#61
4-Chlorophenyl-phenylether
Concen: 9.102 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

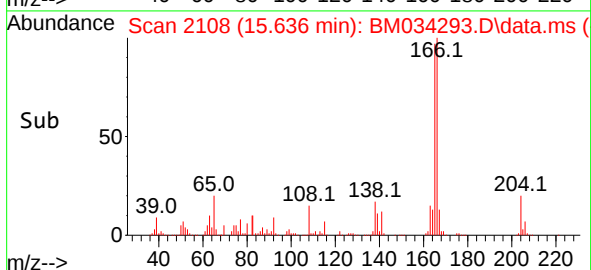
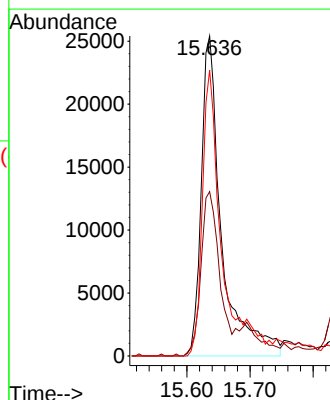
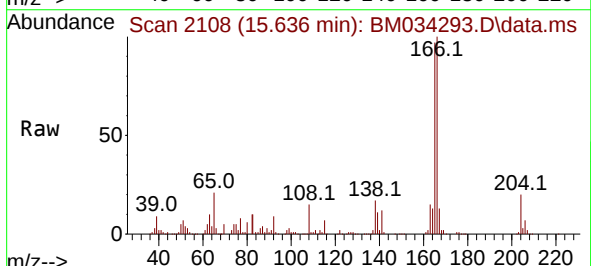
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

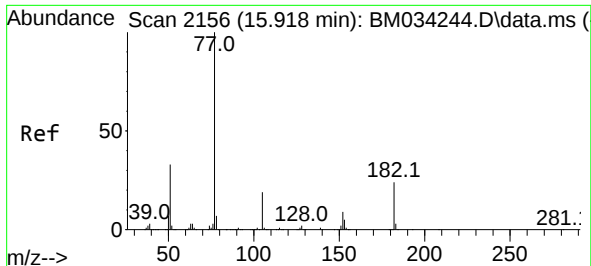
Tgt Ion:204 Resp: 171129
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 61.7 49.4 74.2



#62
4-Nitroaniline
Concen: 7.641 ng
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:138 Resp: 57031
Ion Ratio Lower Upper
138 100
92 51.4 32.6 72.6
108 89.3 69.8 109.8

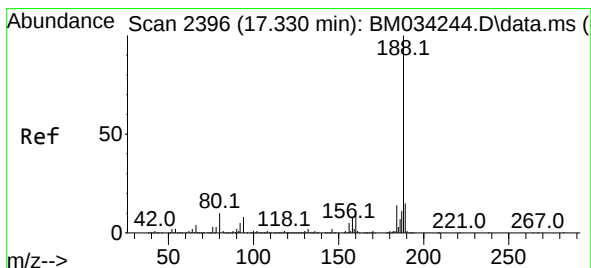
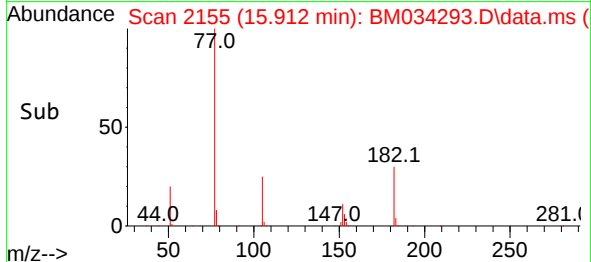
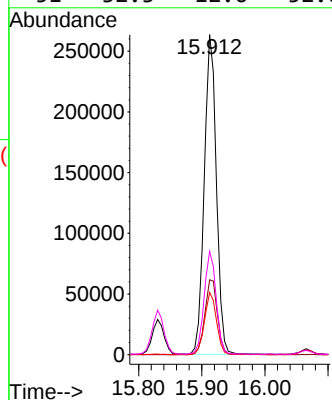
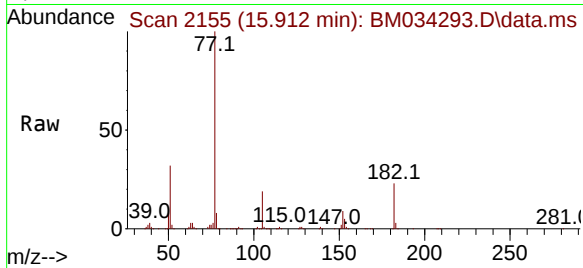




#63
Azobenzene
Concen: 9.389 ng
RT: 15.912 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

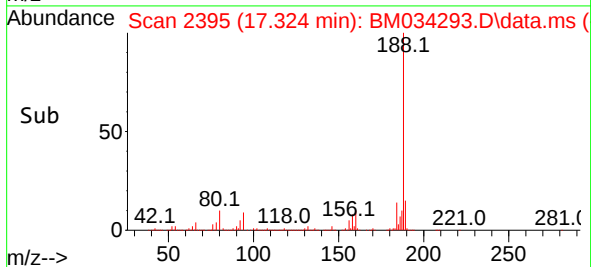
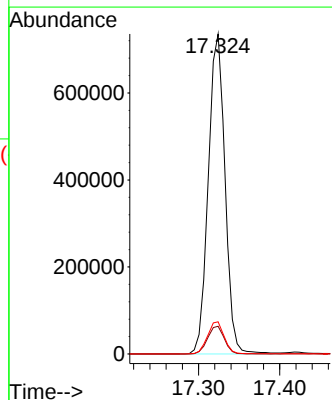
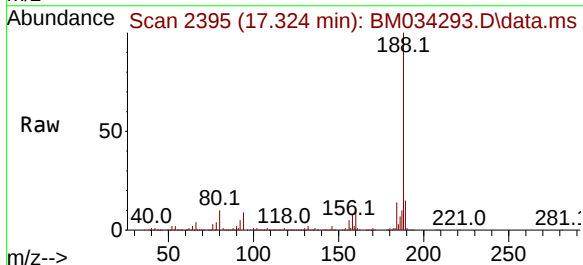
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

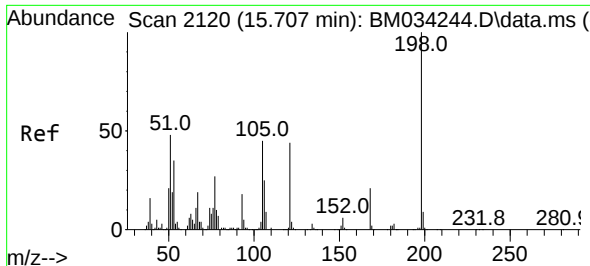
Tgt Ion: 77	Resp: 350228
Ion Ratio	Lower Upper
77 100	
182 23.4	4.4 44.4
105 19.5	0.0 38.7
51 32.3	12.6 52.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:188	Resp: 1052427		
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	9.8
80	10.1	7.8	11.8

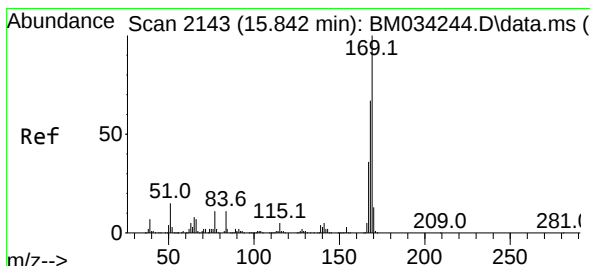
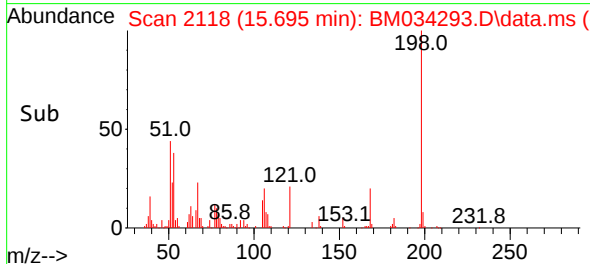
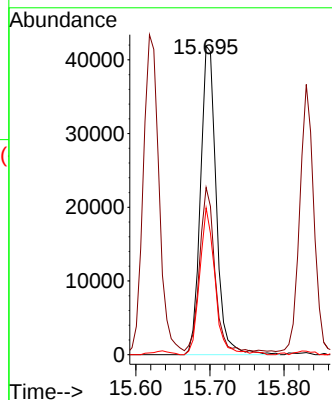
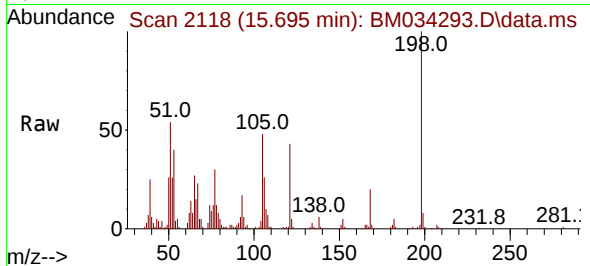




#65
4,6-Dinitro-2-methylphenol
Concen: 9.041 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

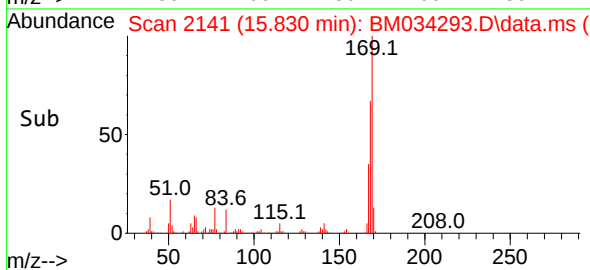
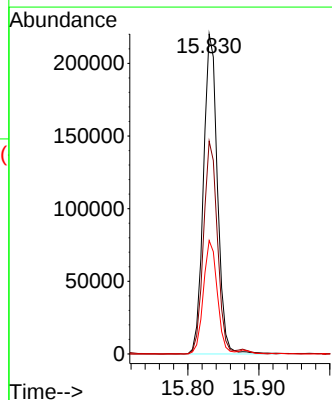
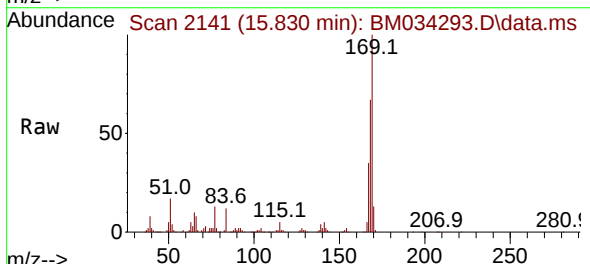
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

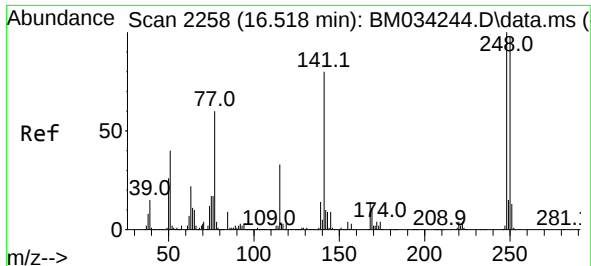
Tgt Ion:198 Resp: 61869
Ion Ratio Lower Upper
198 100
51 54.1 29.0 69.0
105 47.6 25.3 65.3



#66
n-Nitrosodiphenylamine
Concen: 9.030 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:169 Resp: 301924
Ion Ratio Lower Upper
169 100
168 66.5 53.9 80.9
167 35.5 29.0 43.4

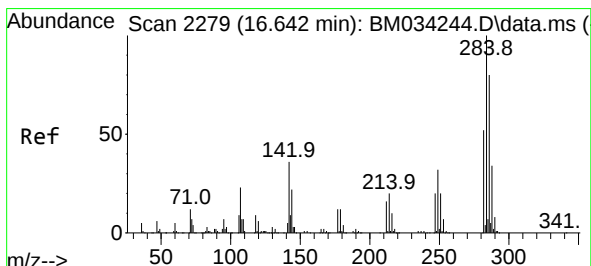
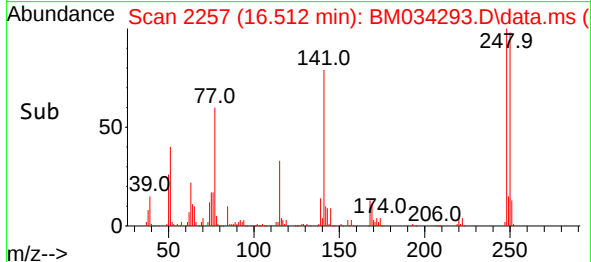
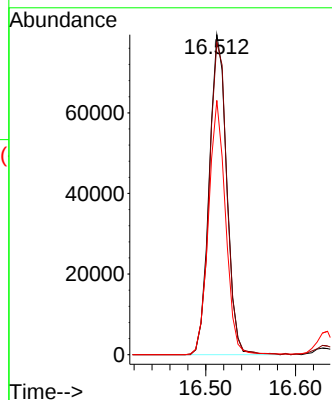
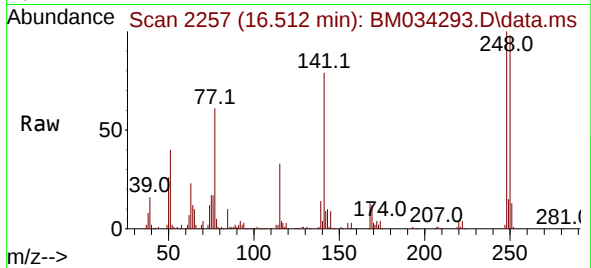




#67
4-Bromophenyl-phenylether
Concen: 8.874 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

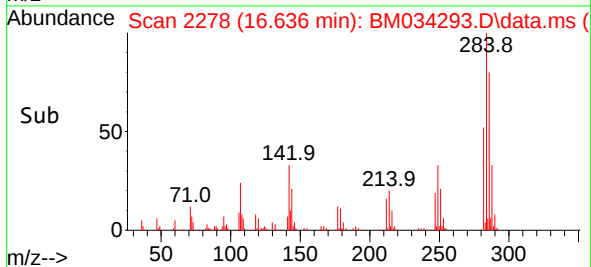
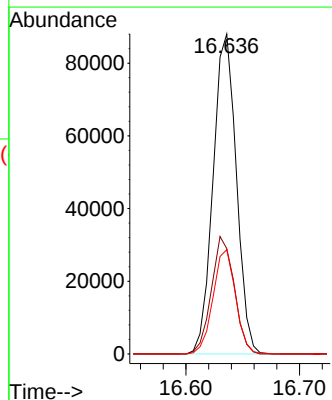
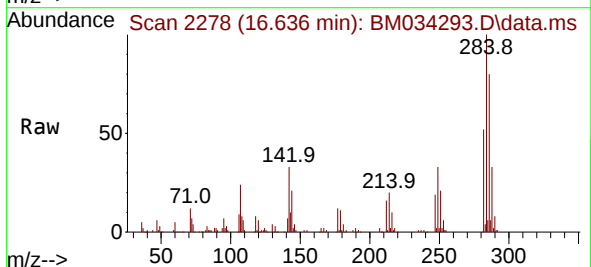
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

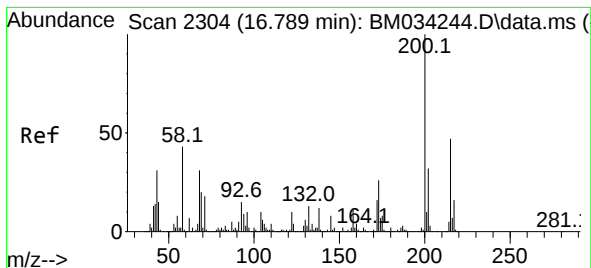
Tgt Ion:248 Resp: 107361
Ion Ratio Lower Upper
248 100
250 97.6 78.0 117.0
141 79.5 63.8 95.6



#68
Hexachlorobenzene
Concen: 9.283 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:284 Resp: 125269
Ion Ratio Lower Upper
284 100
142 33.0 28.9 43.3
249 32.6 25.4 38.0





#69

Atrazine

Concen: 10.102 ng

RT: 16.777 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

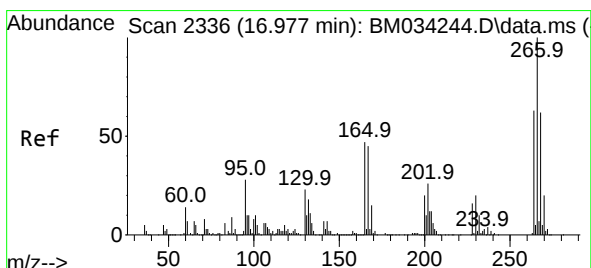
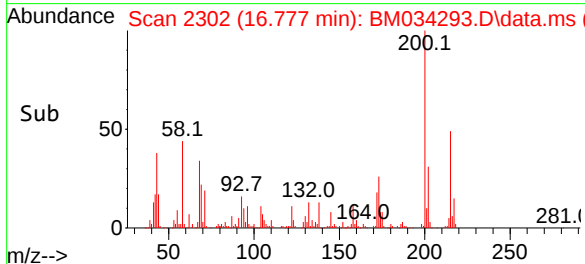
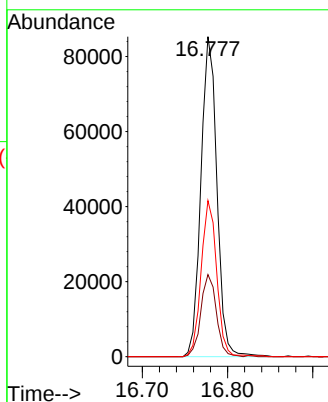
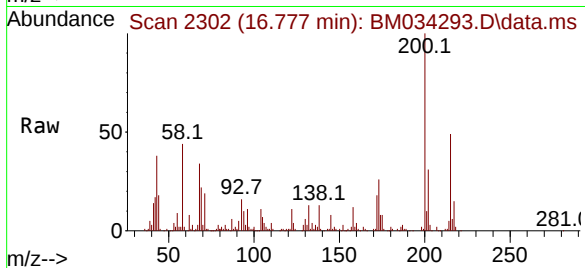
Tgt Ion:200 Resp: 111336

Ion Ratio Lower Upper

200 100

173 25.7 6.1 46.1

215 48.7 27.4 67.4



#70

Pentachlorophenol

Concen: 10.124 ng

RT: 16.971 min Scan# 2335

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

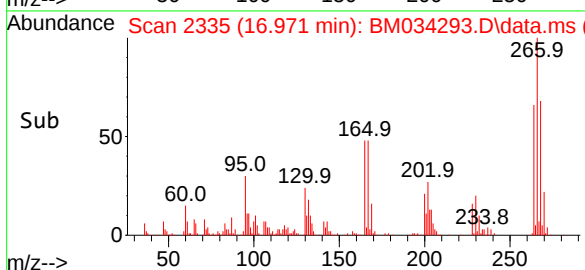
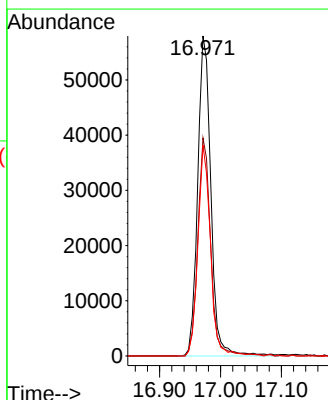
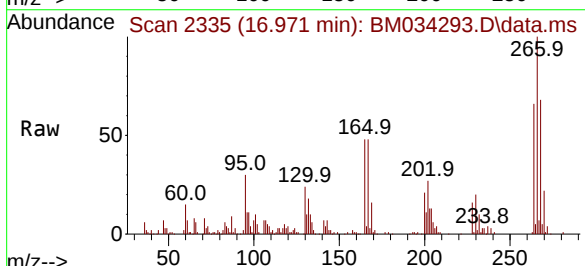
Tgt Ion:266 Resp: 87365

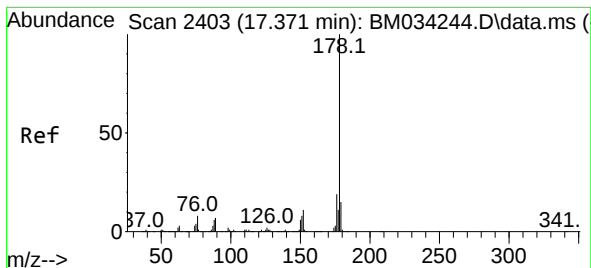
Ion Ratio Lower Upper

266 100

268 68.1 49.8 74.8

264 65.9 50.3 75.5





#71

Phenanthrene

Concen: 9.424 ng

RT: 17.365 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

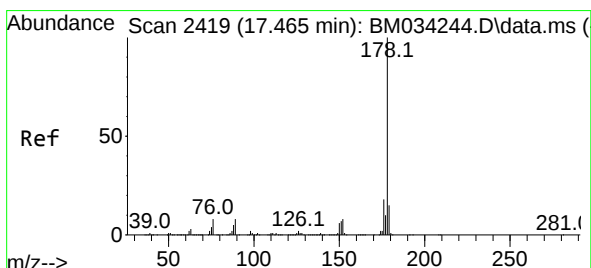
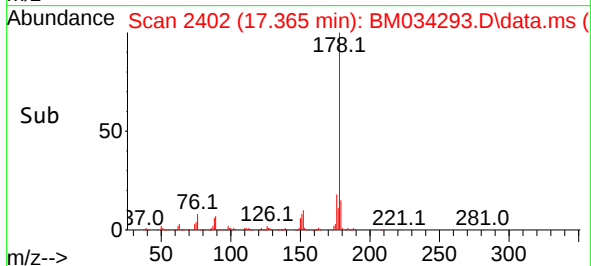
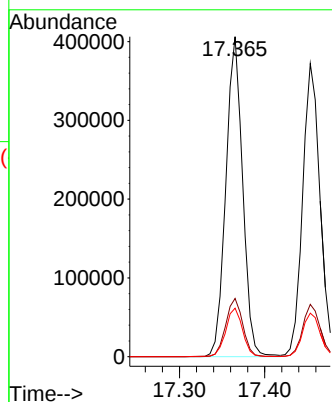
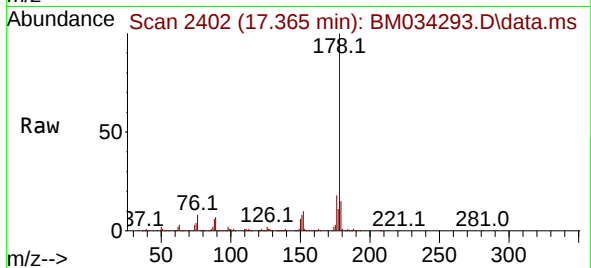
Tgt Ion:178 Resp: 555453

Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

179 15.1 12.2 18.4



#72

Anthracene

Concen: 9.316 ng

RT: 17.453 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

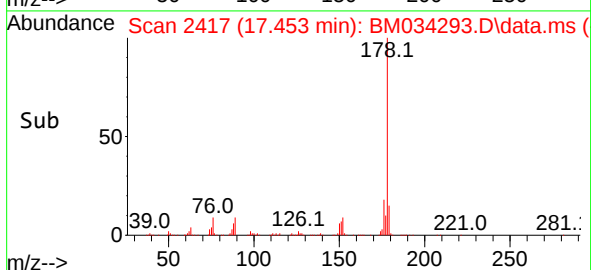
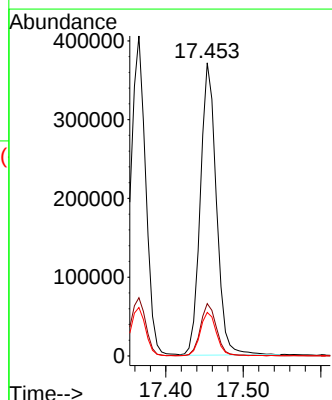
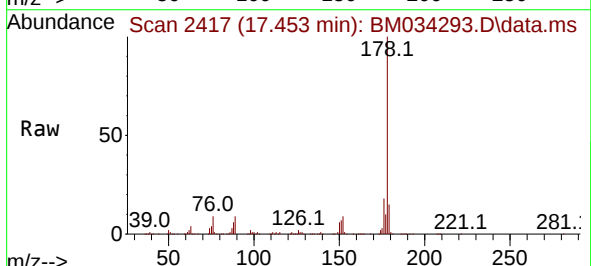
Tgt Ion:178 Resp: 534443

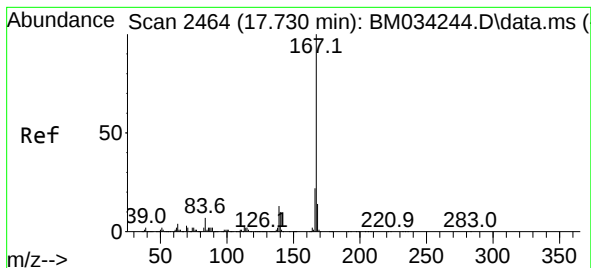
Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

179 14.8 12.2 18.2





#73

Carbazole

Concen: 8.741 ng

RT: 17.724 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

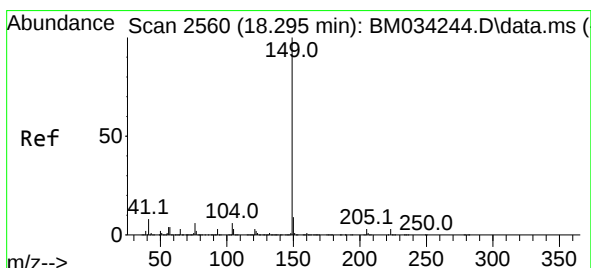
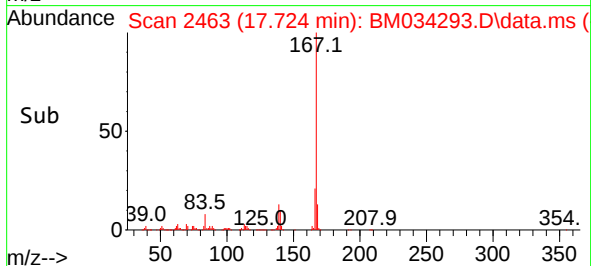
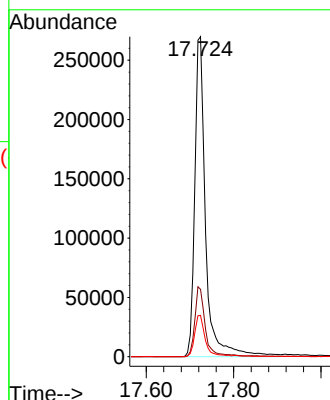
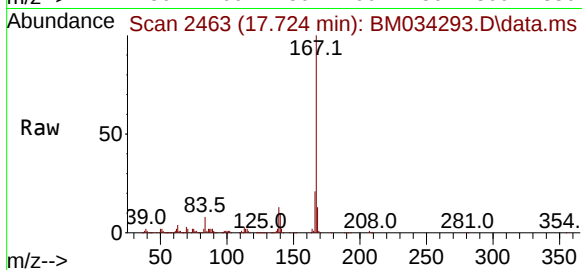
Tgt Ion:167 Resp: 467627

Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.2

139 12.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 9.319 ng

RT: 18.289 min Scan# 2559

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

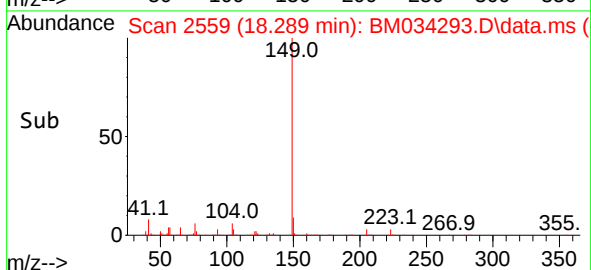
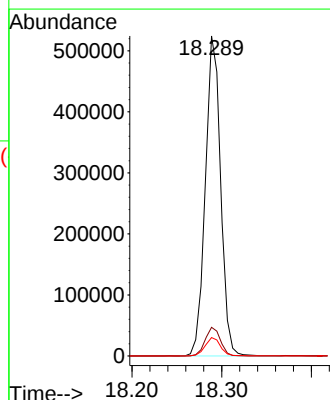
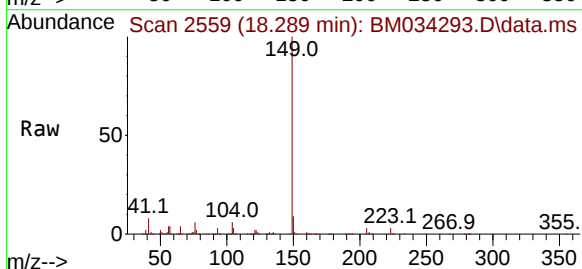
Tgt Ion:149 Resp: 619809

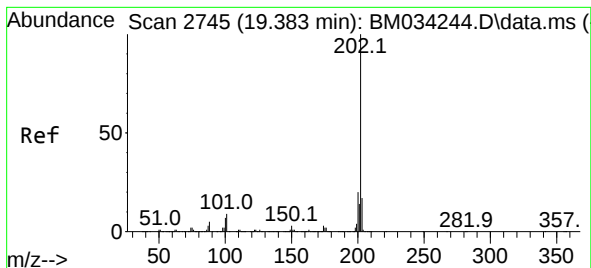
Ion Ratio Lower Upper

149 100

150 9.0 7.6 11.4

104 5.7 4.7 7.1





#75

Fluoranthene

Concen: 9.732 ng

RT: 19.377 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

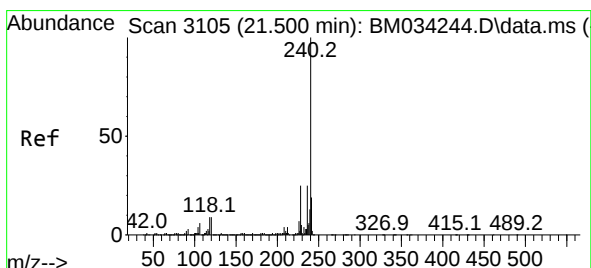
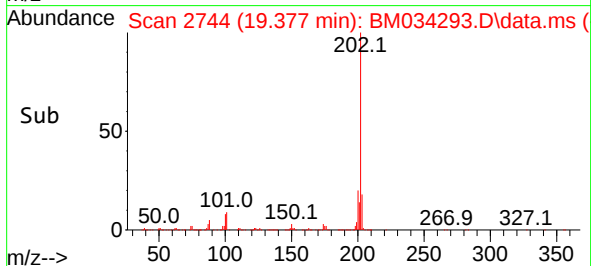
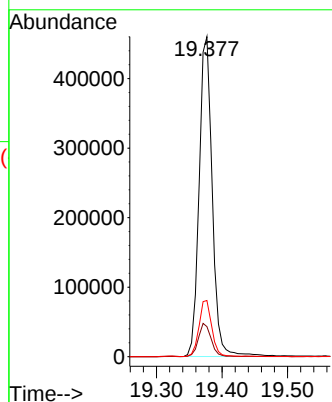
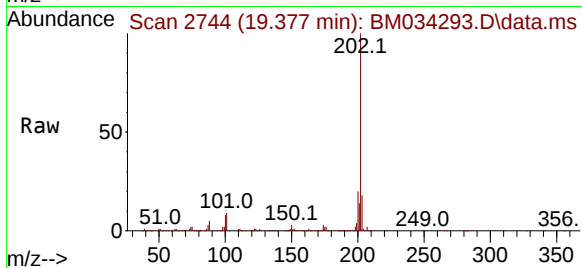
Tgt Ion:202 Resp: 642976

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.4

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.494 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

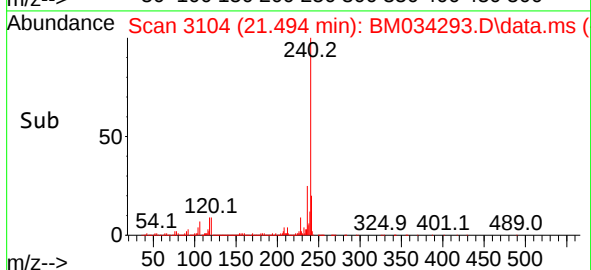
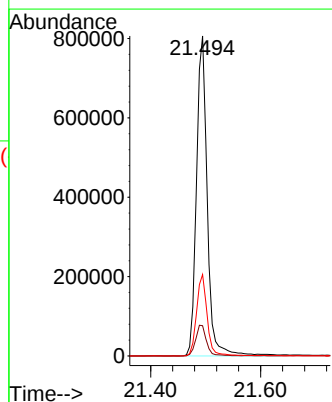
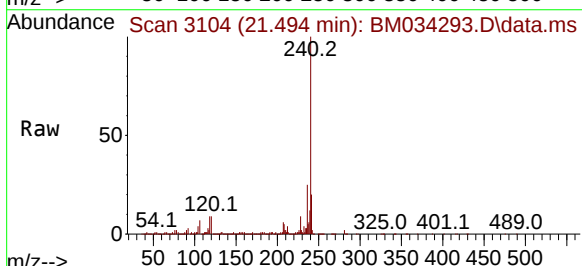
Tgt Ion:240 Resp: 1102467

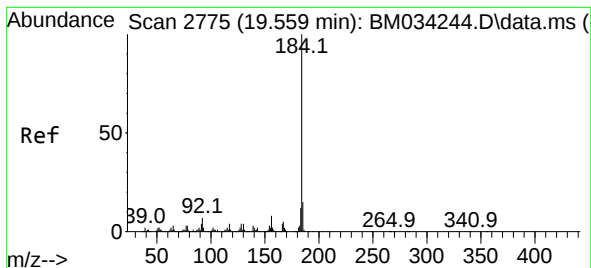
Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 25.5 20.2 30.2





#77

Benzidine

Concen: 9.100 ng

RT: 19.559 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

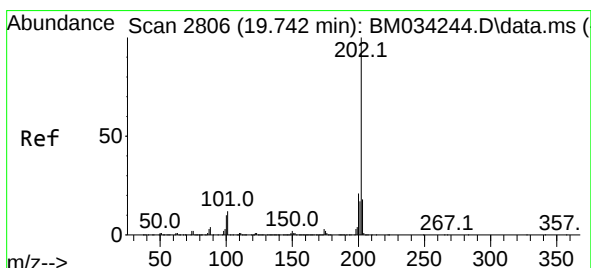
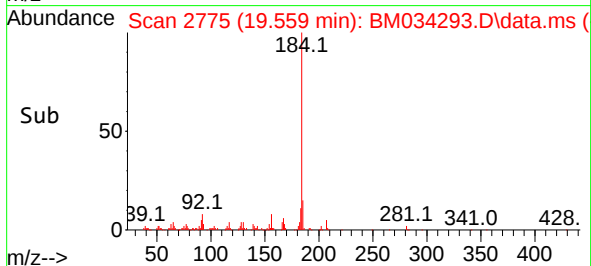
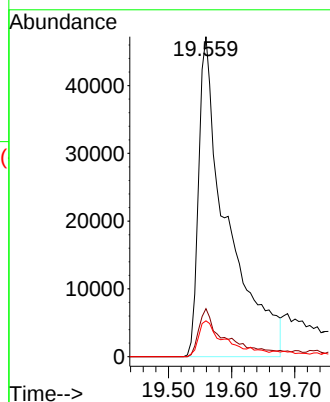
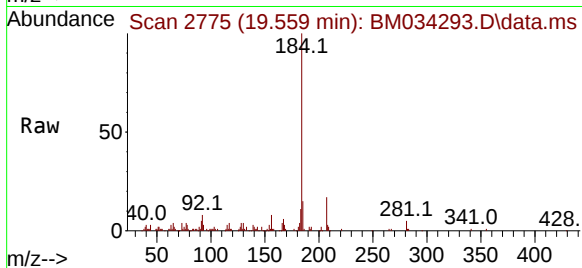
Tgt Ion:184 Resp: 147022

Ion Ratio Lower Upper

184 100

185 15.0 11.7 17.5

183 11.2 9.8 14.6



#78

Pyrene

Concen: 8.655 ng

RT: 19.736 min Scan# 2805

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

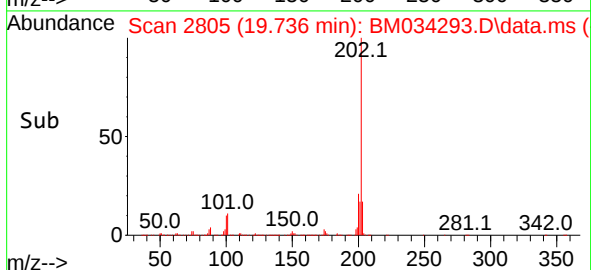
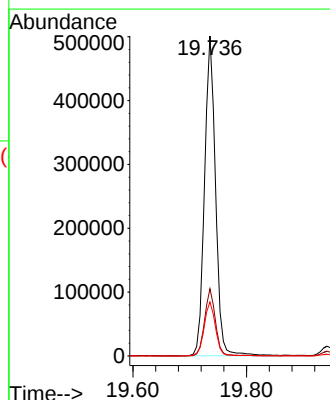
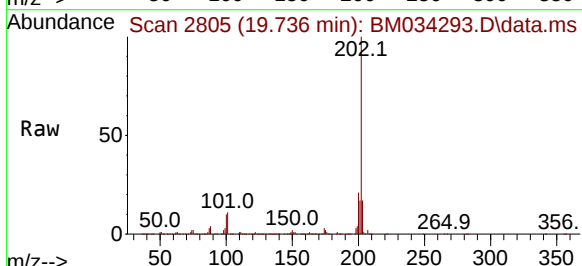
Tgt Ion:202 Resp: 672310

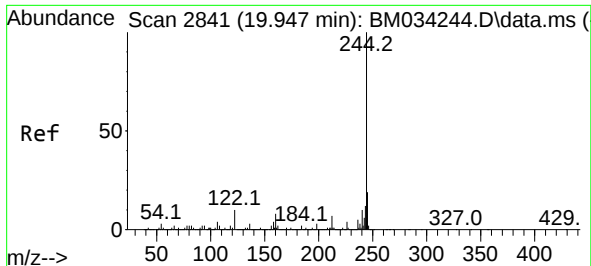
Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 16.9 14.1 21.1

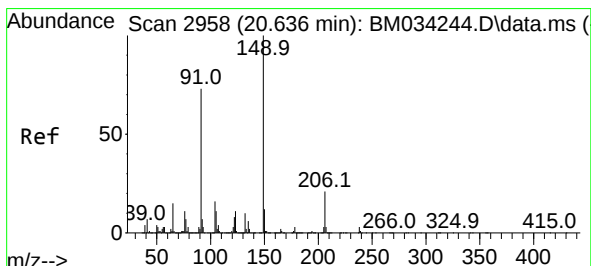
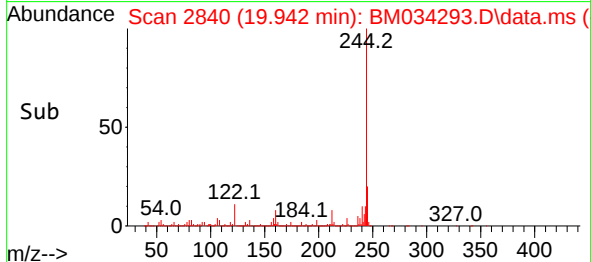
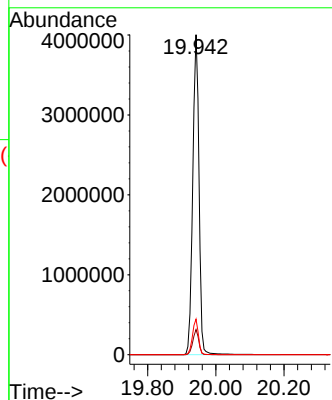
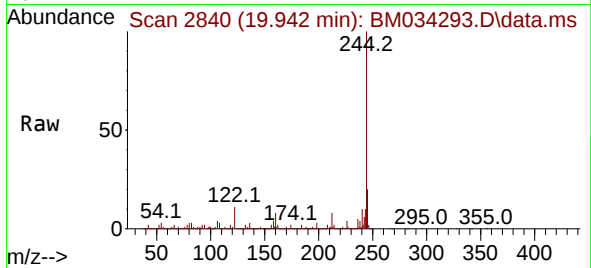




#79
 Terphenyl-d14
 Concen: 80.084 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034293.D
 Acq: 21 Mar 2022 18:16

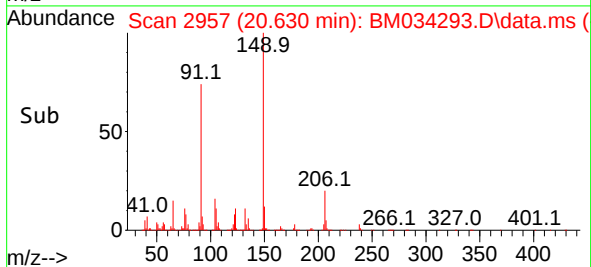
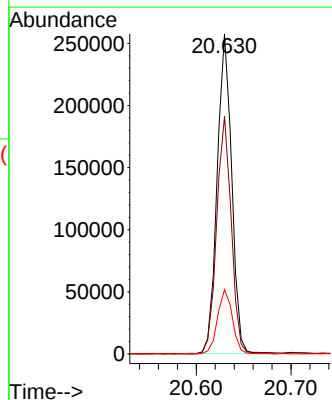
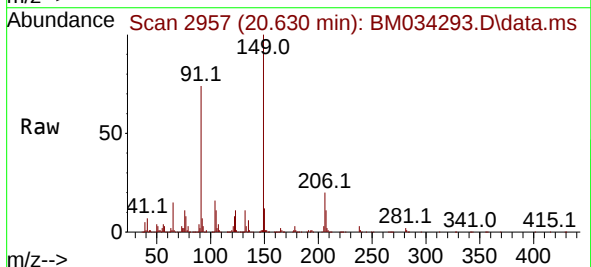
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

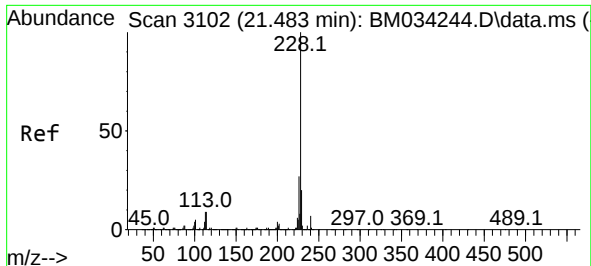
Tgt Ion:244 Resp: 5081102
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 11.1 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 8.360 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034293.D
 Acq: 21 Mar 2022 18:16

Tgt Ion:149 Resp: 274631
 Ion Ratio Lower Upper
 149 100
 91 74.2 58.5 87.7
 206 20.1 16.9 25.3

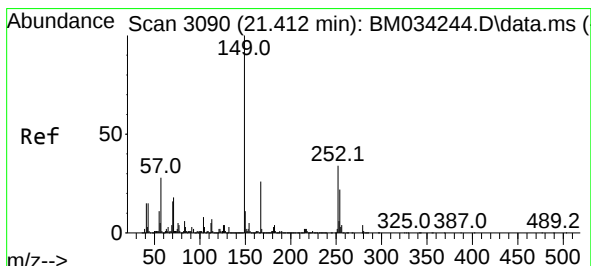
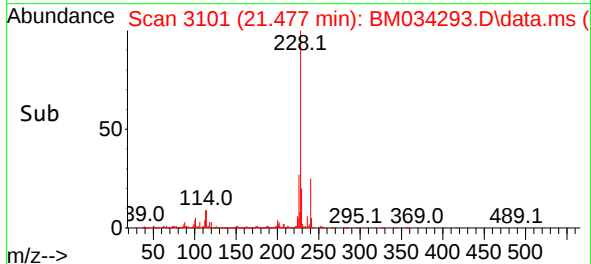
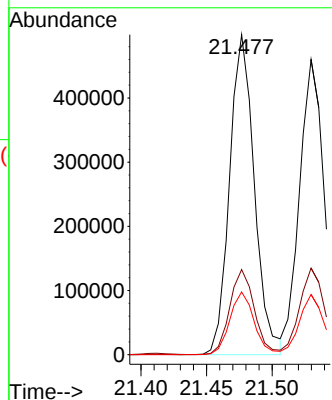
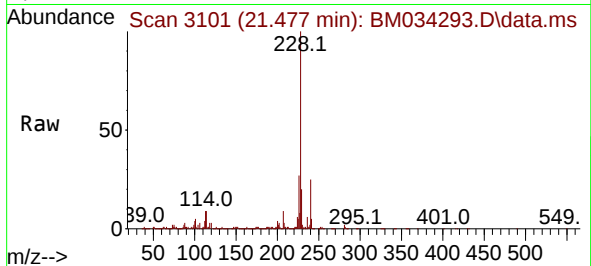




#81
Benzo(a)anthracene
Concen: 9.429 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

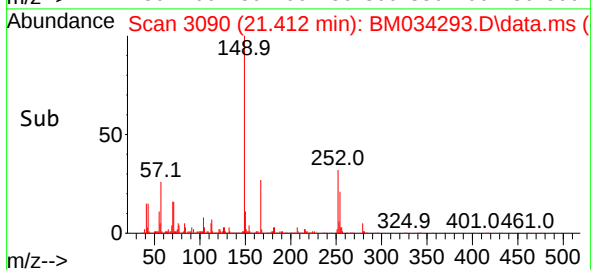
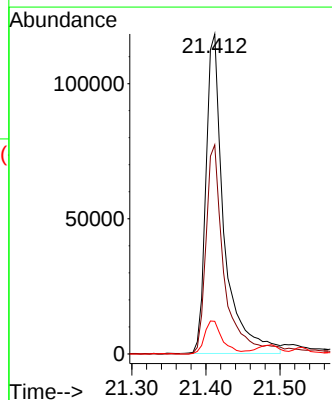
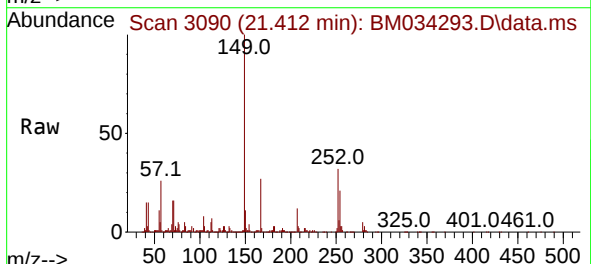
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

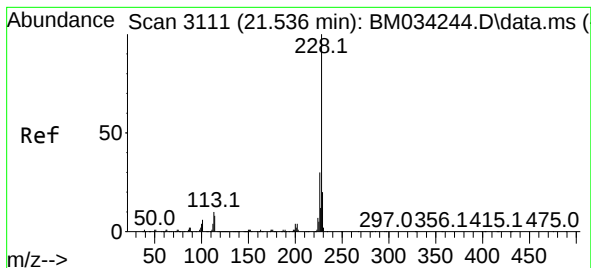
Tgt Ion:228 Resp: 656091
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 8.659 ng
RT: 21.412 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:252 Resp: 201238
Ion Ratio Lower Upper
252 100
254 65.4 50.9 76.3
126 10.2 8.6 12.8





#83

Chrysene

Concen: 8.986 ng

RT: 21.530 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

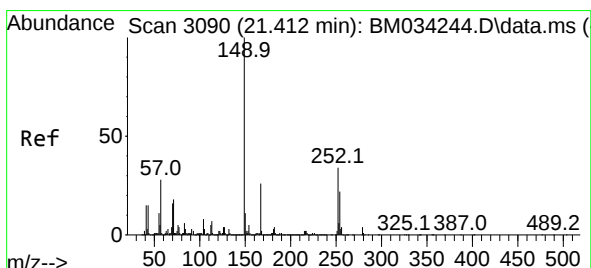
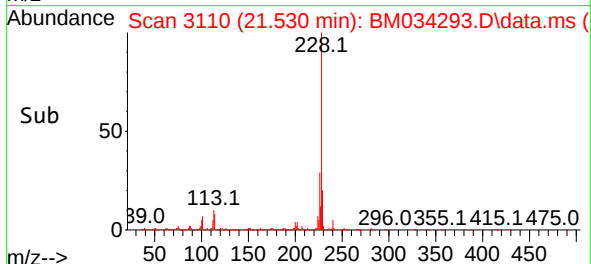
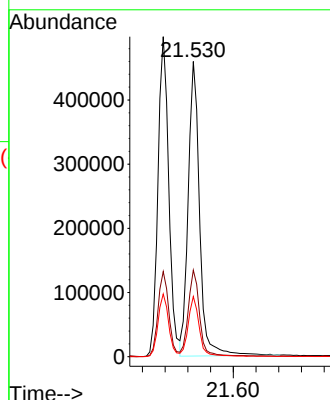
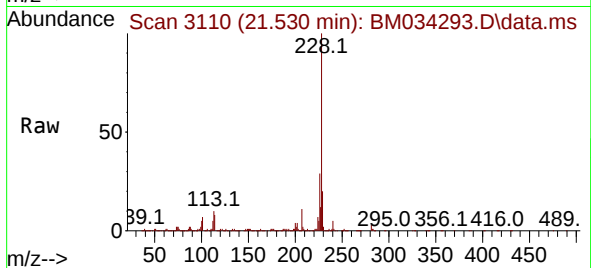
Tgt Ion:228 Resp: 638505

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

229 20.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.773 ng

RT: 21.406 min Scan# 3089

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

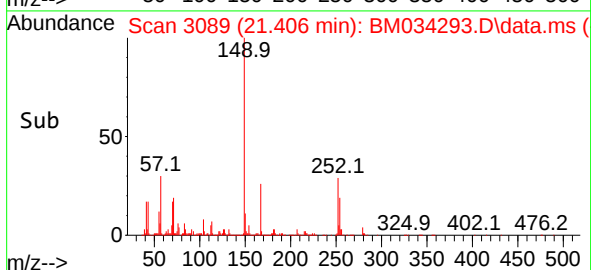
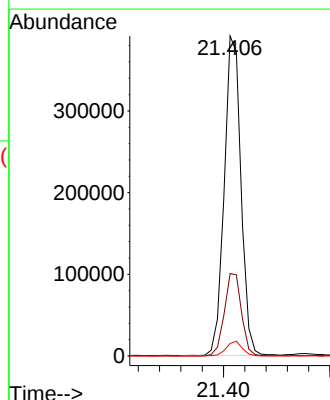
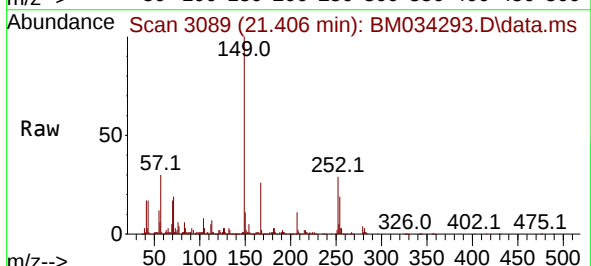
Tgt Ion:149 Resp: 425583

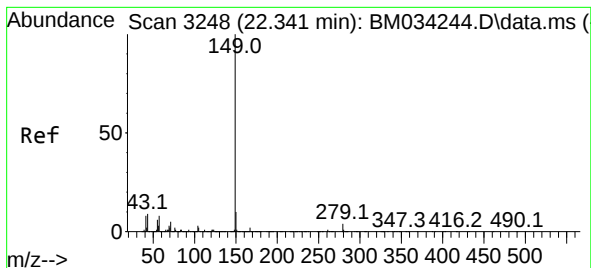
Ion Ratio Lower Upper

149 100

167 25.8 21.2 31.8

279 3.9 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 9.026 ng

RT: 22.335 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

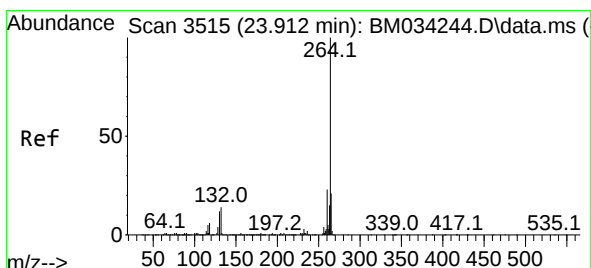
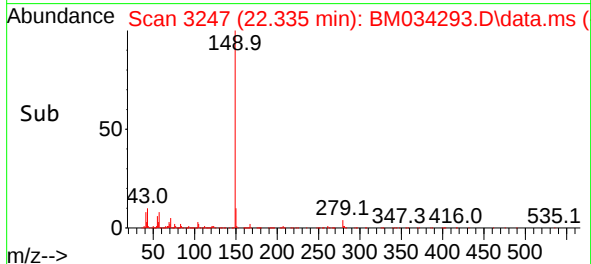
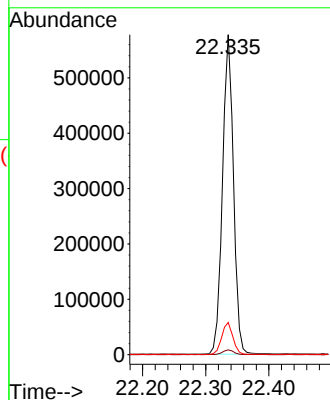
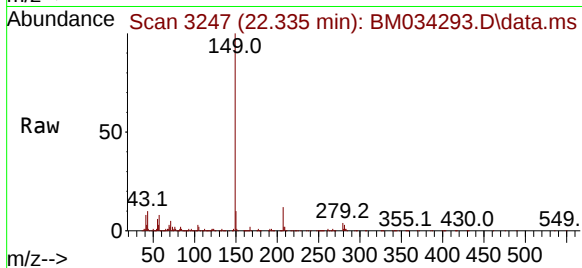
Tgt Ion:149 Resp: 695042

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.3 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.906 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

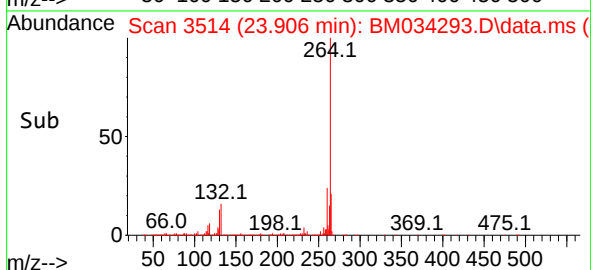
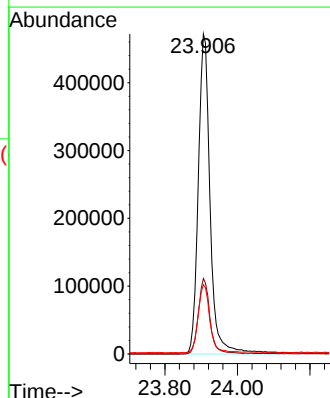
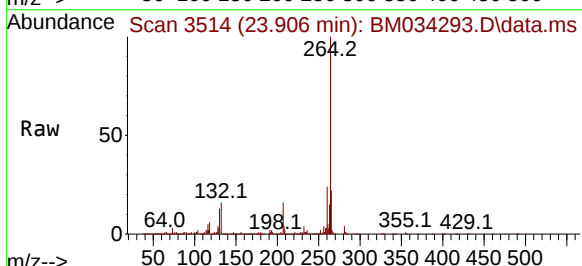
Tgt Ion:264 Resp: 1067867

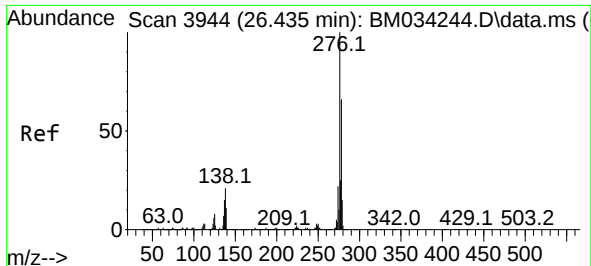
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.6 17.6 26.4

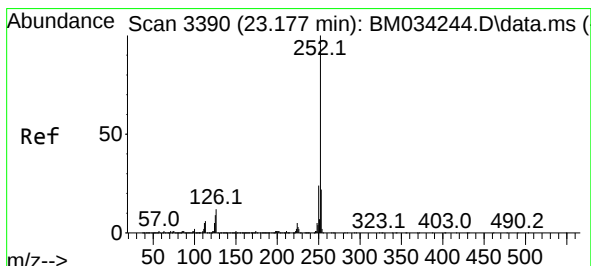
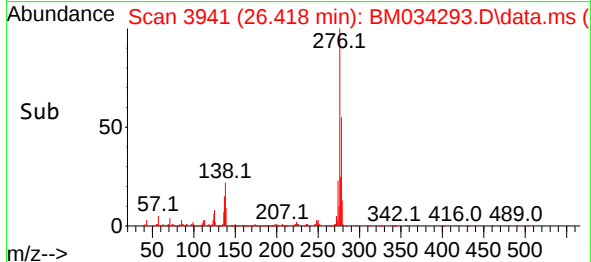
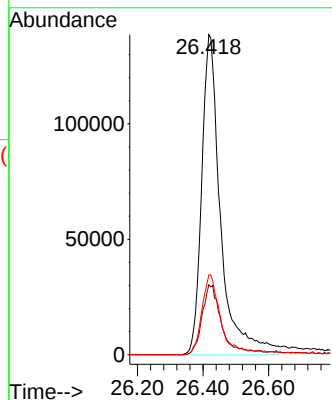
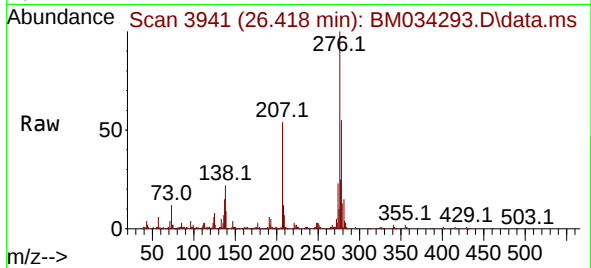




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.122 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

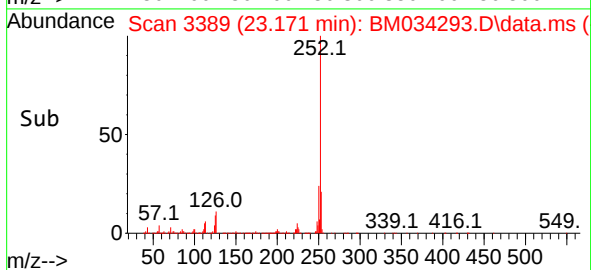
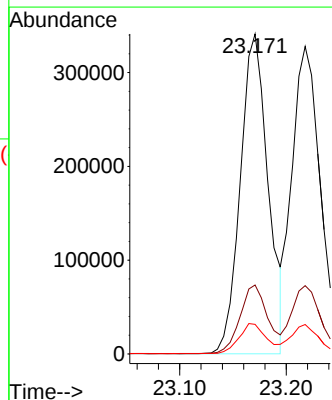
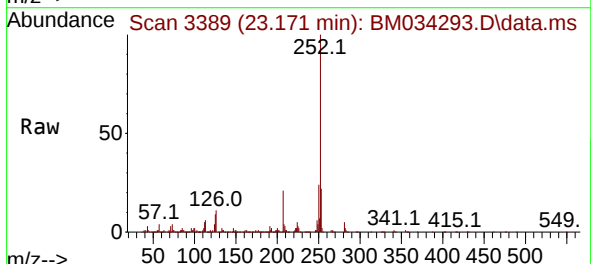
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

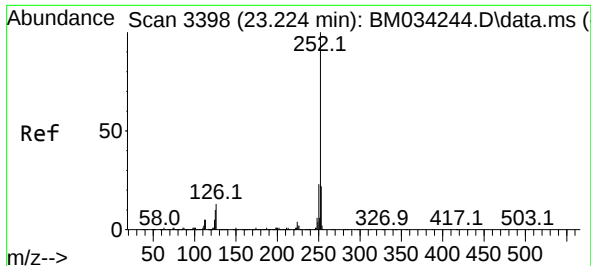
Tgt Ion:276 Resp: 557943
Ion Ratio Lower Upper
276 100
138 21.9 16.6 25.0
277 25.2 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 9.706 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:252 Resp: 619798
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 9.3 7.2 10.8

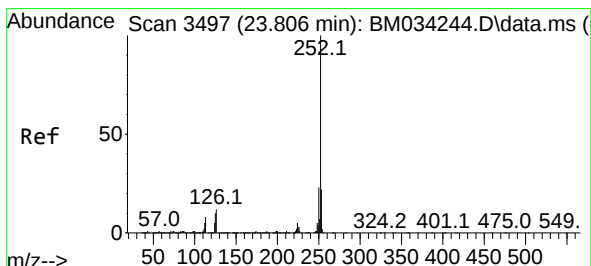
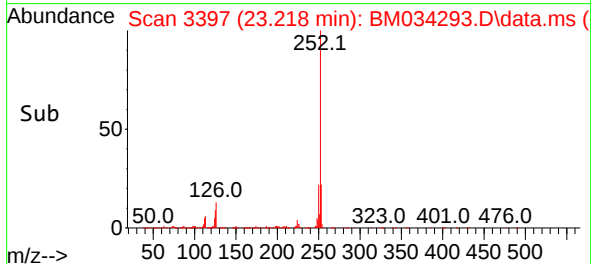
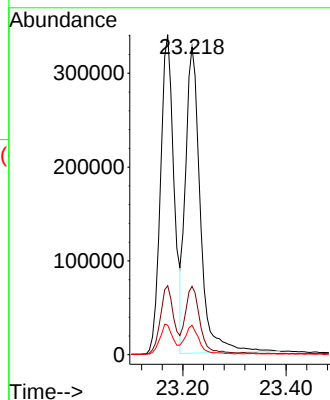
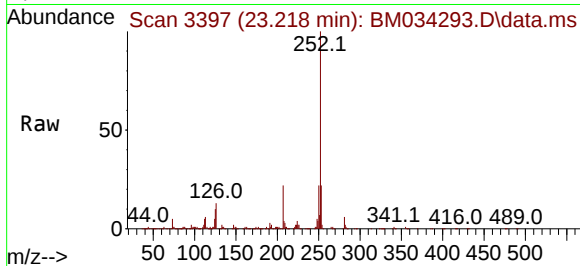




#89
Benzo(k)fluoranthene
Concen: 9.629 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

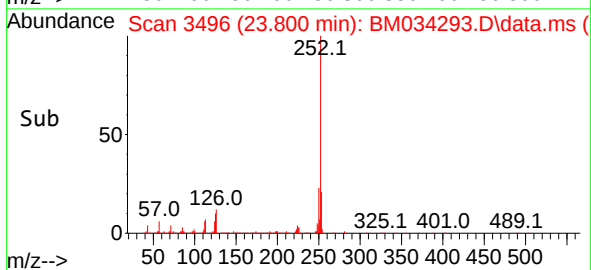
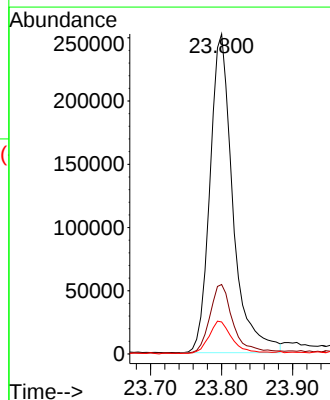
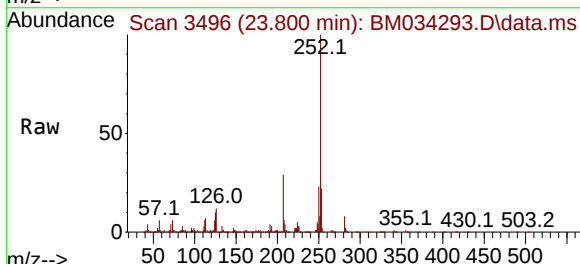
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

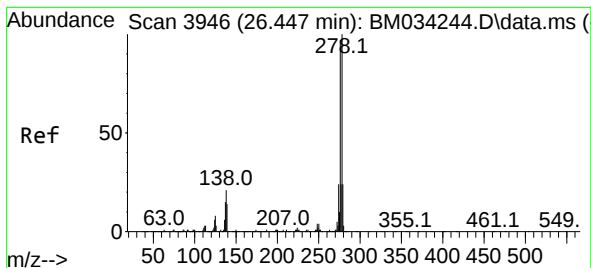
Tgt Ion:252 Resp: 651343
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 10.438 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034293.D
Acq: 21 Mar 2022 18:16

Tgt Ion:252 Resp: 565044
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.0 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 8.460 ng

RT: 26.435 min Scan# 3944

Delta R.T. -0.012 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021

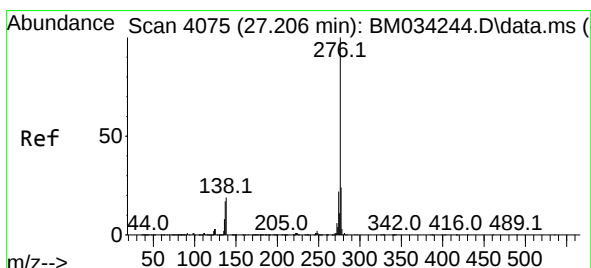
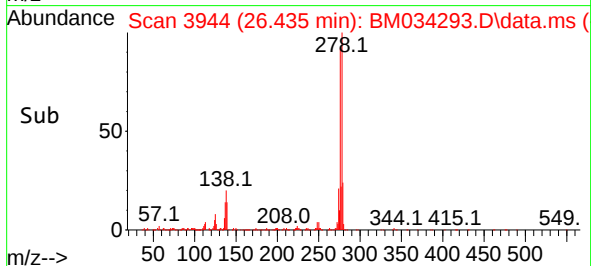
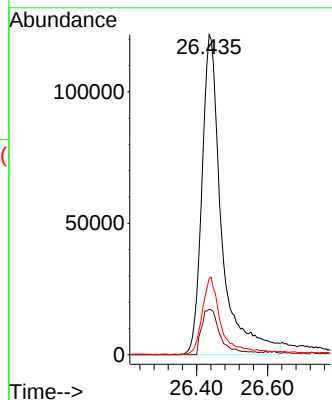
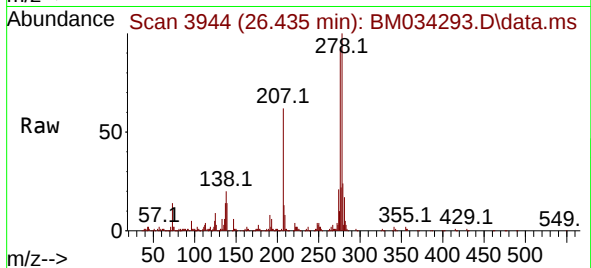
Tgt Ion:278 Resp: 471201

Ion Ratio Lower Upper

278 100

139 14.2 11.2 16.8

279 23.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 8.800 ng

RT: 27.188 min Scan# 4072

Delta R.T. -0.018 min

Lab File: BM034293.D

Acq: 21 Mar 2022 18:16

Tgt Ion:276 Resp: 507322

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 19.3 15.6 23.4

