

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039054.D
 Acq On : 20 Mar 2023 21:10
 Operator : CG/JU
 Sample : 01944-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MC-1MSD

Quant Time: Mar 21 01:50:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	338058	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	1336080	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	703629	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	1302502	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1080157	20.000	ng	0.00
86) Perylene-d12	23.968	264	1333682	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2407687	108.206	ng	0.00
7) Phenol-d6	7.134	99	2997701	103.720	ng	0.00
23) Nitrobenzene-d5	9.140	82	1830380	67.294	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	807053	99.148	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	3466102	64.127	ng	0.00
79) Terphenyl-d14	19.974	244	3828752	64.808	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	398500	40.257	ng	99
3) Pyridine	3.799	79	1003273	36.544	ng	98
4) n-Nitrosodimethylamine	3.711	42	493475	44.172	ng	97
6) Aniline	7.293	93	1253083	33.021	ng	99
8) 2-Chlorophenol	7.534	128	1121137	47.327	ng	99
9) Benzaldehyde	7.105	77	885495	64.384	ng	99
10) Phenol	7.163	94	1450464	47.259	ng	98
11) bis(2-Chloroethyl)ether	7.393	93	1141794	45.757	ng	100
12) 1,3-Dichlorobenzene	7.863	146	1196854	47.542	ng	99
13) 1,4-Dichlorobenzene	8.010	146	1222172	47.734	ng	99
14) 1,2-Dichlorobenzene	8.328	146	1162108	47.120	ng	99
15) Benzyl Alcohol	8.216	79	964930	46.580	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1495079	47.440	ng	99
17) 2-Methylphenol	8.416	107	916126	43.452	ng	99
18) Hexachloroethane	9.057	117	470026	49.756	ng	98
19) n-Nitroso-di-n-propyla...	8.787	70	841498	46.225	ng	99
20) 3+4-Methylphenols	8.746	107	1207755	42.902	ng	98
22) Acetophenone	8.799	105	1675512	44.698	ng	100
24) Nitrobenzene	9.181	77	1239429	43.354	ng	99
25) Isophorone	9.710	82	2240134	44.755	ng	99
26) 2-Nitrophenol	9.893	139	569966	45.329	ng	98
27) 2,4-Dimethylphenol	9.957	122	973931	44.656	ng	100
28) bis(2-Chloroethoxy)met...	10.198	93	1421475	44.199	ng	99
29) 2,4-Dichlorophenol	10.428	162	935277	45.233	ng	99
30) 1,2,4-Trichlorobenzene	10.646	180	1011945	44.786	ng	99
31) Naphthalene	10.834	128	3285867	43.130	ng	99
32) Benzoic acid	10.087	122	722368	45.484	ng	99
33) 4-Chloroaniline	10.945	127	407616	12.554	ng	100
34) Hexachlorobutadiene	11.122	225	574085	44.305	ng	99
35) Caprolactam	11.740	113	280781	44.617	ng	99
36) 4-Chloro-3-methylphenol	12.069	107	964596	43.810	ng	99
37) 2-Methylnaphthalene	12.440	142	2129149	41.696	ng	100
38) 1-Methylnaphthalene	12.663	142	1982540	41.430	ng	99
40) 1,2,4,5-Tetrachloroben...	12.810	216	1038857	45.415	ng	99
41) Hexachlorocyclopentadiene	12.787	237	1265836	100.815	ng	99
43) 2,4,6-Trichlorophenol	13.045	196	682308	46.063	ng	99

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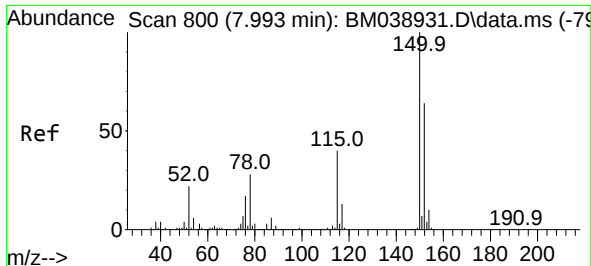
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	717856	41.403	ng	99
46) 1,1'-Biphenyl	13.451	154	2712870	45.511	ng	99
47) 2-Chloronaphthalene	13.492	162	2026855	45.091	ng	99
48) 2-Nitroaniline	13.692	65	616561	43.080	ng	98
49) Acenaphthylene	14.334	152	3150249	43.999	ng	99
50) Dimethylphthalate	14.075	163	2328840	43.012	ng	100
51) 2,6-Dinitrotoluene	14.186	165	503719	42.248	ng	96
52) Acenaphthene	14.675	154	1948350	44.279	ng	99
53) 3-Nitroaniline	14.516	138	347519	25.594	ng	98
54) 2,4-Dinitrophenol	14.722	184	614330	88.660	ng	96
55) Dibenzofuran	15.010	168	2934597	42.619	ng	99
56) 4-Nitrophenol	14.822	139	969319	90.143	ng	98
57) 2,4-Dinitrotoluene	14.975	165	665513	42.482	ng	99
58) Fluorene	15.657	166	2357421	43.707	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	588758	44.031	ng	100
60) Diethylphthalate	15.433	149	2342799	44.470	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	1126857	42.526	ng	98
62) 4-Nitroaniline	15.680	138	538285	38.153	ng	99
63) Azobenzene	15.945	77	2721224	48.817	ng	98
65) 4,6-Dinitro-2-methylph...	15.733	198	367492	43.470	ng	97
66) n-Nitrosodiphenylamine	15.869	169	1935065	44.069	ng	99
67) 4-Bromophenyl-phenylether	16.545	248	638840	45.409	ng	96
68) Hexachlorobenzene	16.663	284	709678	45.125	ng	99
69) Atrazine	16.816	200	616927	51.437	ng	99
70) Pentachlorophenol	17.004	266	926294	80.079	ng	100
71) Phenanthrene	17.398	178	3429738	44.866	ng	100
72) Anthracene	17.486	178	3346622	43.899	ng	100
73) Carbazole	17.757	167	3066358	44.072	ng	100
74) Di-n-butylphthalate	18.321	149	3909194	46.138	ng	100
75) Fluoranthene	19.410	202	3641758	45.120	ng	99
77) Benzidine	19.598	184	1443522	57.549	ng	98
78) Pyrene	19.774	202	3767671	46.441	ng	100
80) Butylbenzylphthalate	20.668	149	1609186	46.742	ng	97
81) Benzo(a)anthracene	21.521	228	3534679	45.440	ng	99
82) 3,3'-Dichlorobenzidine	21.451	252	1080469	45.195	ng	100
83) Chrysene	21.574	228	3320382	43.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.445	149	2421477	48.521	ng	100
85) Di-n-octyl phthalate	22.386	149	4205338	50.585	ng	100
87) Indeno(1,2,3-cd)pyrene	26.509	276	4908549	48.368	ng	99
88) Benzo(b)fluoranthene	23.227	252	3888346	45.635	ng	99
89) Benzo(k)fluoranthene	23.280	252	3889543	43.864	ng	99
90) Benzo(a)pyrene	23.862	252	3543485	43.212	ng	99
91) Dibenzo(a,h)anthracene	26.527	278	4124042	47.985	ng	98
92) Benzo(g,h,i)perylene	27.291	276	4012144	47.716	ng	99

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

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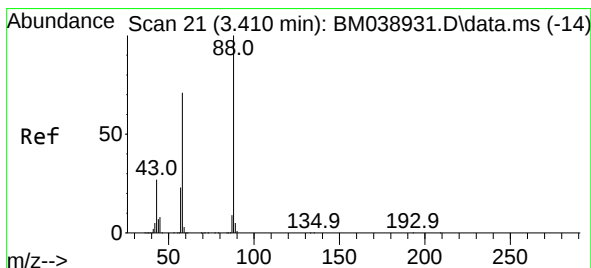
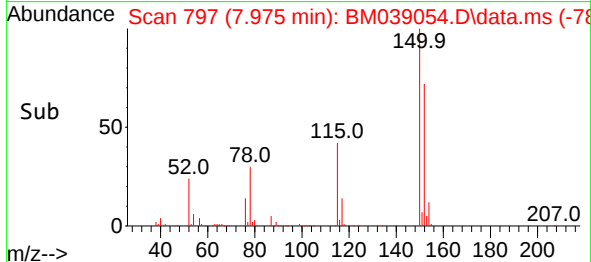
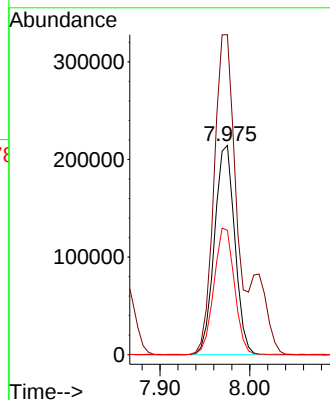
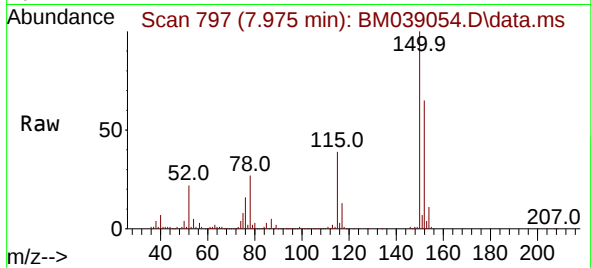




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

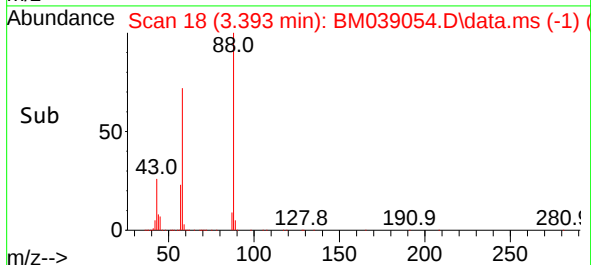
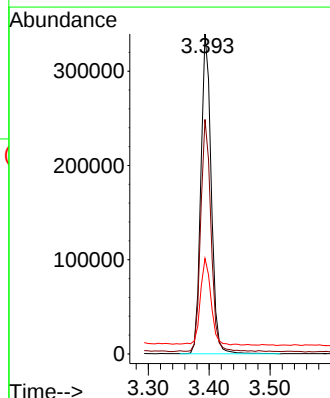
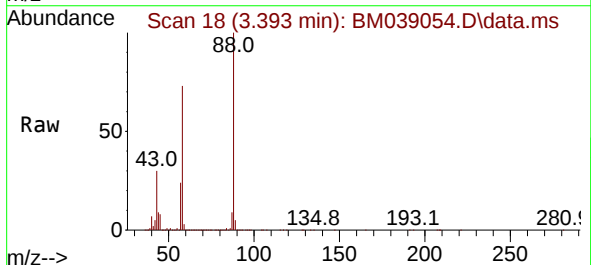
Instrument :
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ClientSampleId :
MC-1MSD

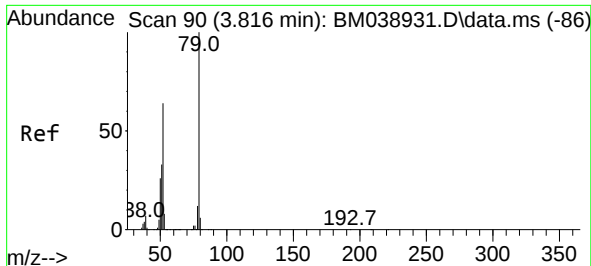
Tgt Ion:152 Resp: 338058
Ion Ratio Lower Upper
152 100
150 153.0 125.1 187.7
115 59.5 49.6 74.4



#2
1,4-Dioxane
Concen: 40.257 ng
RT: 3.393 min Scan# 18
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 88 Resp: 398500
Ion Ratio Lower Upper
88 100
58 72.1 57.2 85.8
43 27.5 22.0 33.0



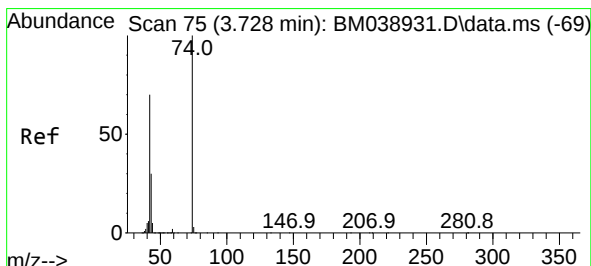
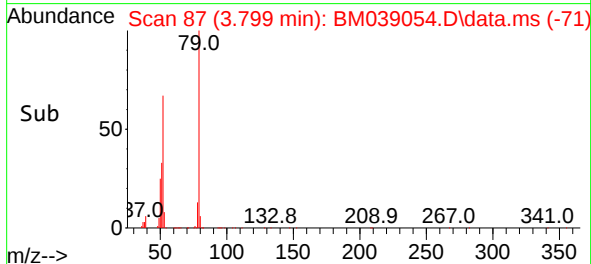
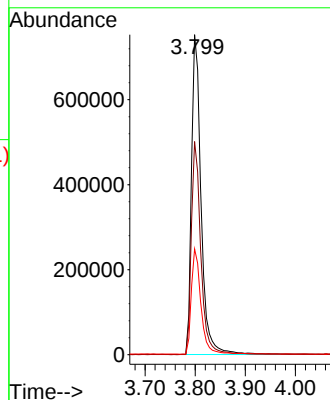
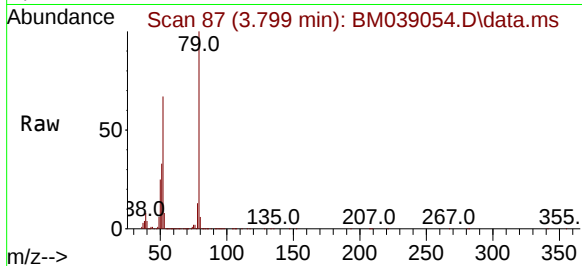


#3
 Pyridine
 Concen: 36.544 ng
 RT: 3.799 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM039054.D
 Acq: 20 Mar 2023 21:10

Instrument :
 BNA_M
 ClientSampleId :
 MC-1MSD

Tgt Ion: 79 Resp: 1003273

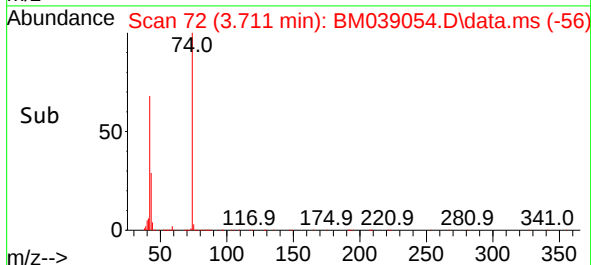
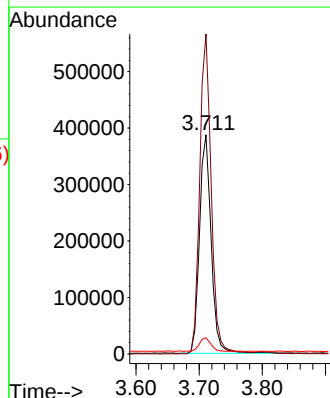
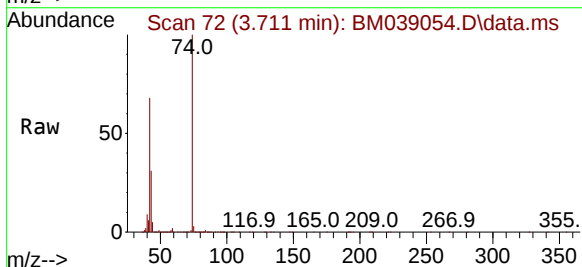
Ion	Ratio	Lower	Upper
79	100		
52	66.6	51.4	77.2
51	33.1	26.6	40.0

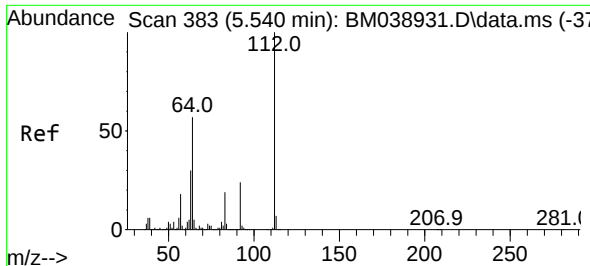


#4
 n-Nitrosodimethylamine
 Concen: 44.172 ng
 RT: 3.711 min Scan# 72
 Delta R.T. -0.006 min
 Lab File: BM039054.D
 Acq: 20 Mar 2023 21:10

Tgt Ion: 42 Resp: 493475

Ion	Ratio	Lower	Upper
42	100		
74	146.0	113.8	170.8
44	7.4	6.2	9.2

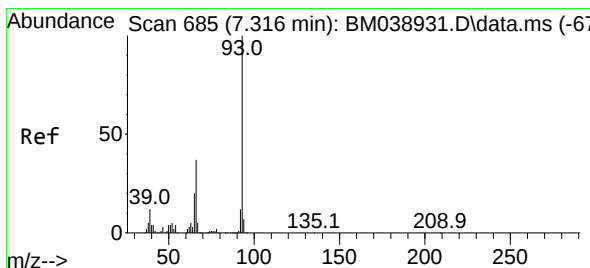
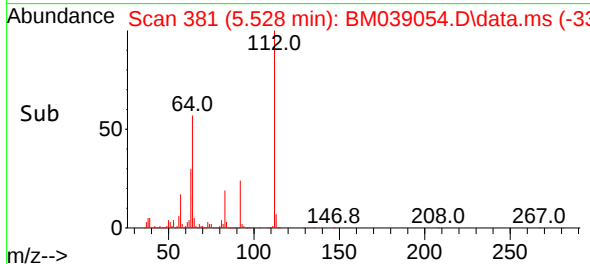
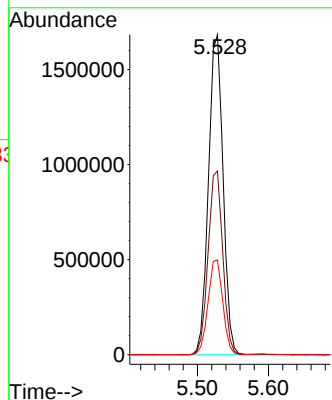
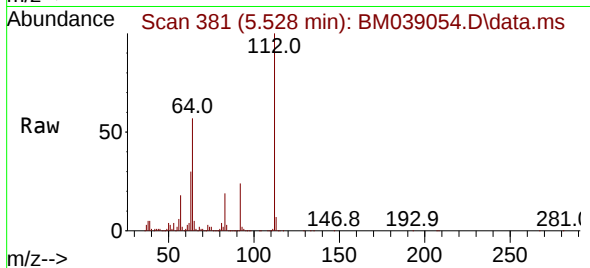




#5
2-Fluorophenol
Concen: 108.206 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

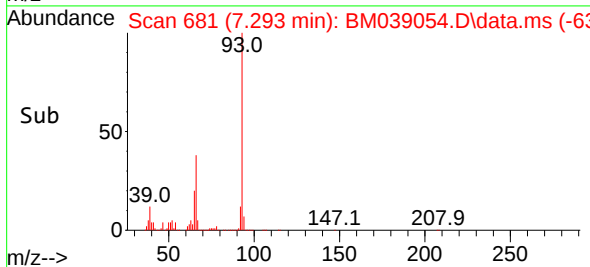
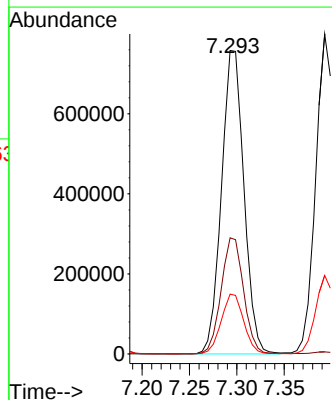
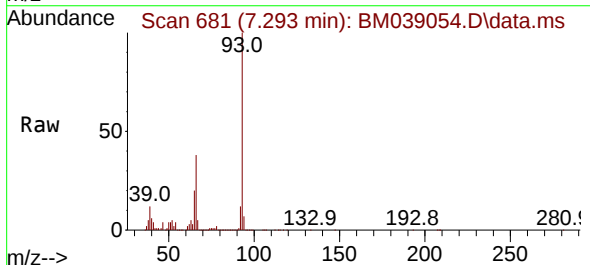
Instrument :
BNA_M
ClientSampleId :
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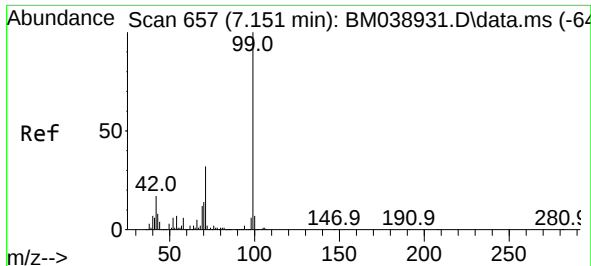
Tgt Ion:112 Resp: 2407687
Ion Ratio Lower Upper
112 100
64 57.4 45.9 68.9
63 29.6 23.8 35.8



#6
Aniline
Concen: 33.021 ng
RT: 7.293 min Scan# 681
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 93 Resp: 1253083
Ion Ratio Lower Upper
93 100
66 38.3 30.0 45.0
65 19.7 15.8 23.6



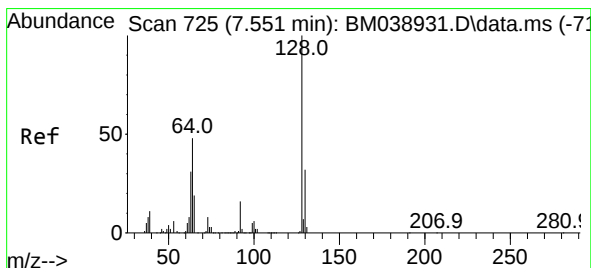
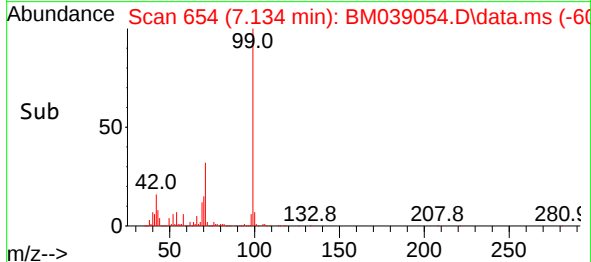
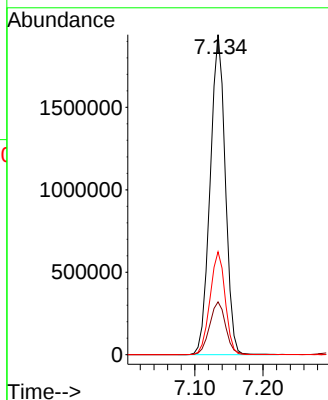
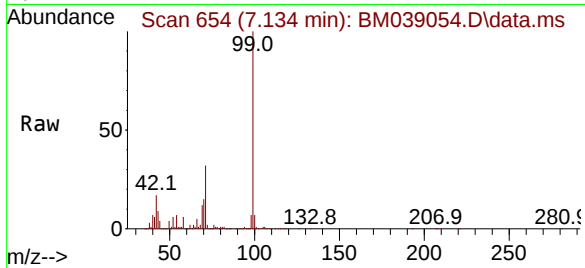


#7
Phenol-d6
Concen: 103.720 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Instrument :
BNA_M
ClientSampleId :
MC-1MSD

Tgt Ion: 99 Resp: 2997701

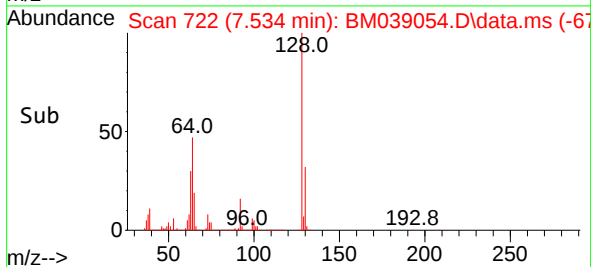
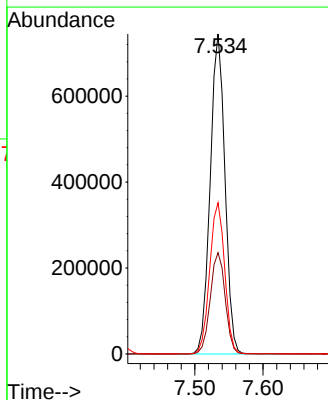
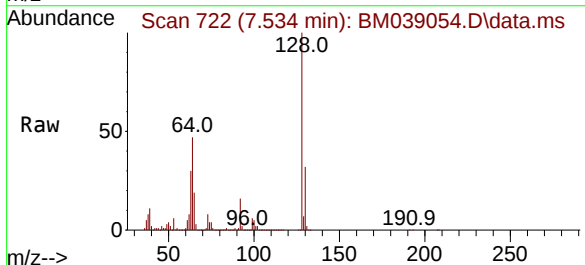
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	32.2	25.6	38.4

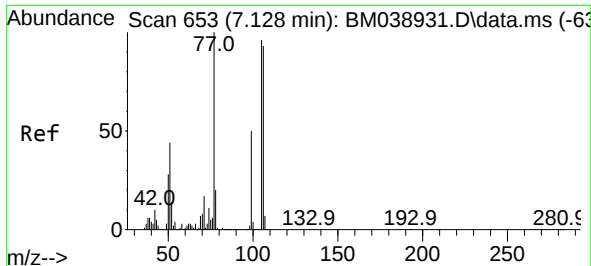


#8
2-Chlorophenol
Concen: 47.327 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:128 Resp: 1121137

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.9	51.9
64	47.2	28.6	68.6

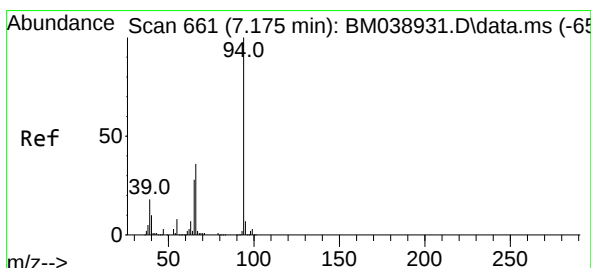
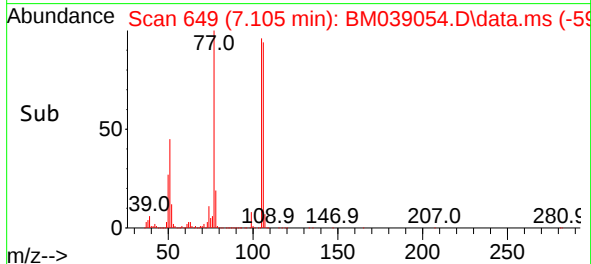
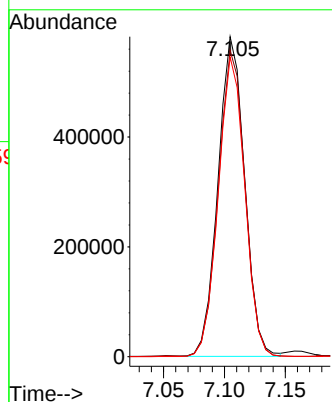
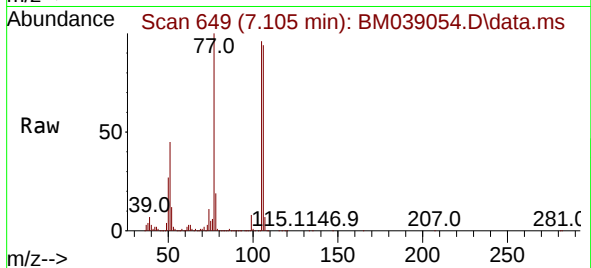




#9
Benzaldehyde
Concen: 64.384 ng
RT: 7.105 min Scan# 649
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

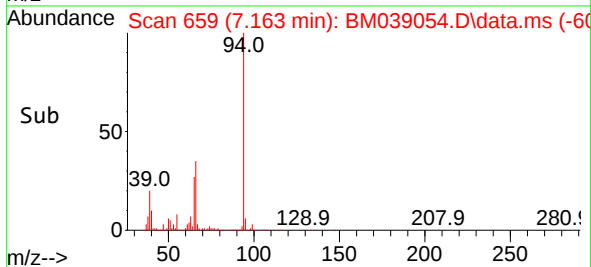
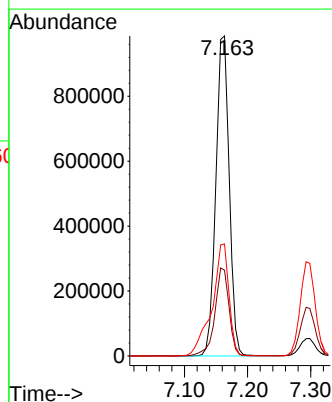
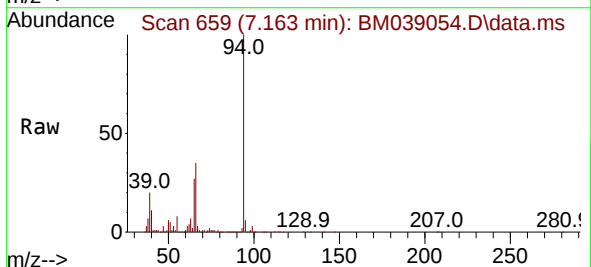
Instrument :
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ClientSampleId :
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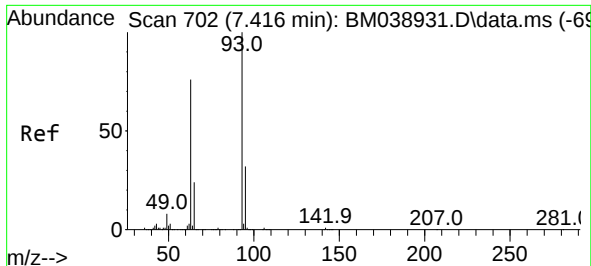
Tgt Ion: 77 Resp: 885495
Ion Ratio Lower Upper
77 100
105 95.8 75.8 115.8
106 93.6 72.6 112.6



#10
Phenol
Concen: 47.259 ng
RT: 7.163 min Scan# 659
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 94 Resp: 1450464
Ion Ratio Lower Upper
94 100
65 26.8 7.9 47.9
66 35.0 15.8 55.8



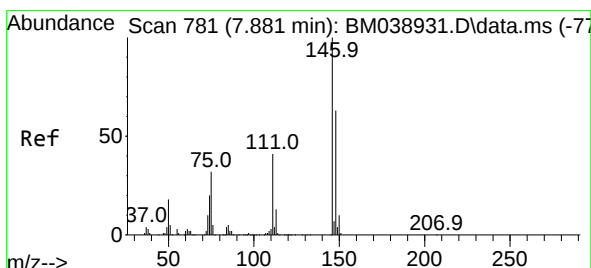
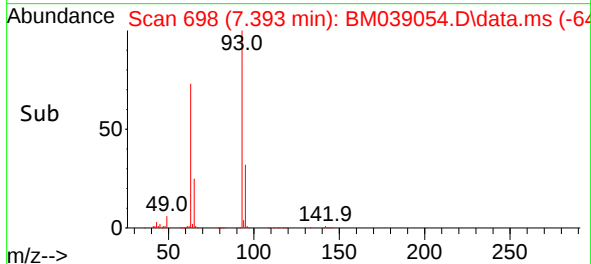
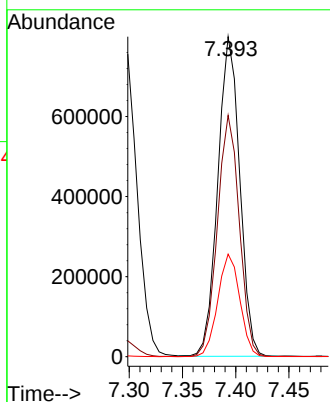
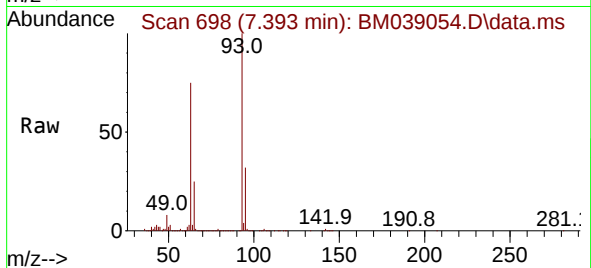


#11
bis(2-Chloroethyl)ether
Concen: 45.757 ng
RT: 7.393 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Instrument :
BNA_M
ClientSampleId :
MC-1MSD

Tgt Ion: 93 Resp: 1141794

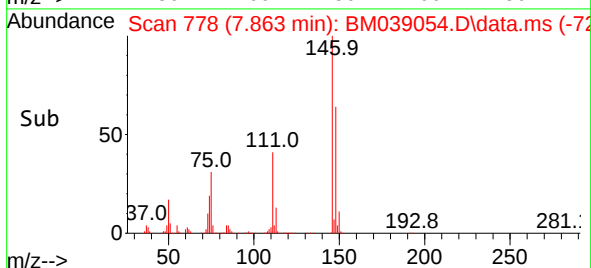
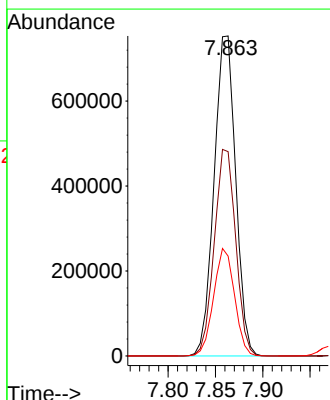
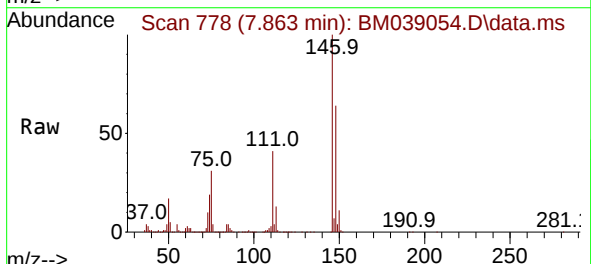
Ion	Ratio	Lower	Upper
93	100		
63	75.4	55.8	95.8
95	32.1	12.2	52.2

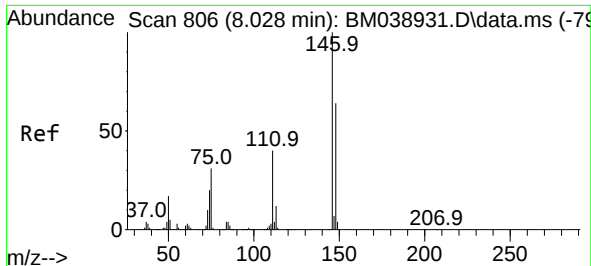


#12
1,3-Dichlorobenzene
Concen: 47.542 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 146 Resp: 1196854

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	31.2	26.0	39.0

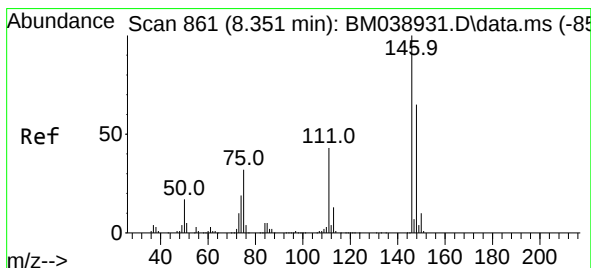
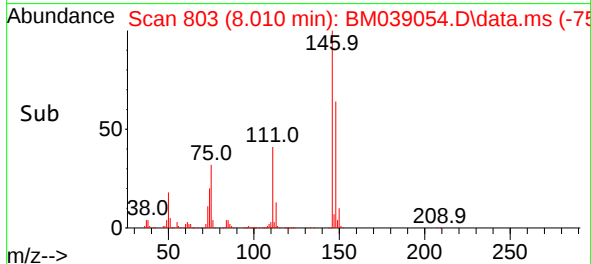
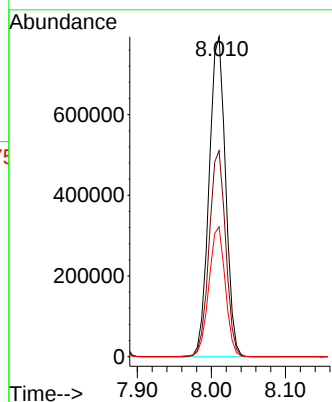
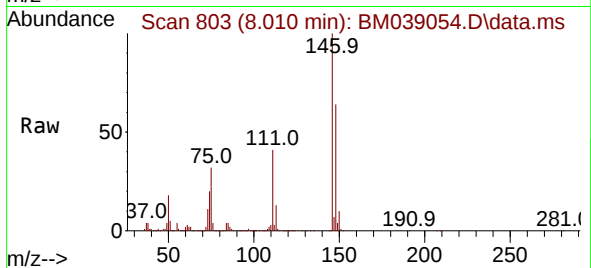




#13
1,4-Dichlorobenzene
Concen: 47.734 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

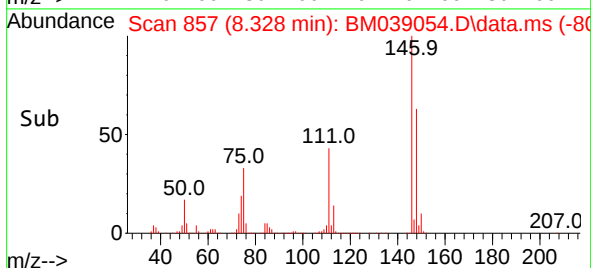
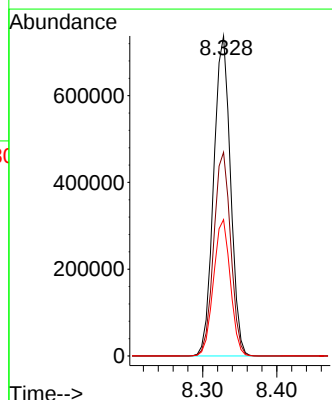
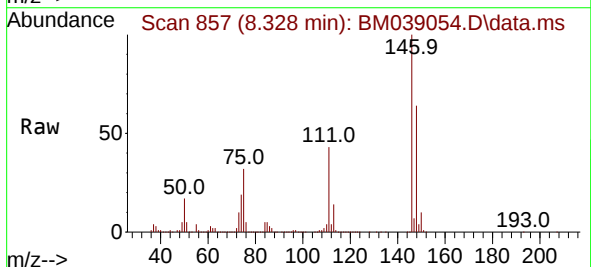
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

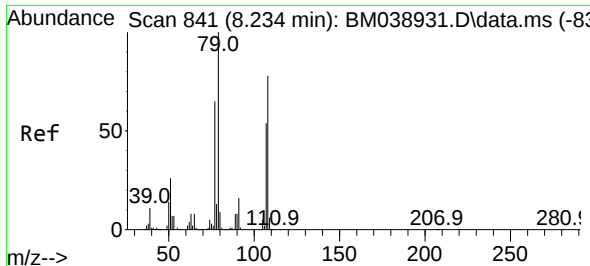
Tgt Ion:146 Resp: 1222172
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
111 40.6 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 47.120 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:146 Resp: 1162108
Ion Ratio Lower Upper
146 100
148 63.7 51.7 77.5
111 42.6 34.2 51.4

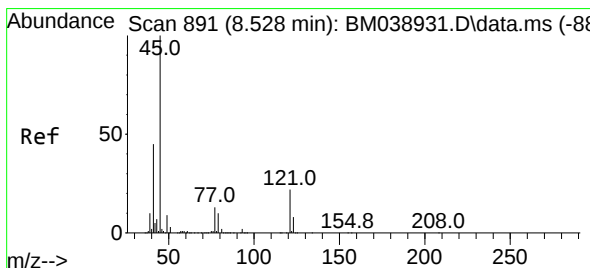
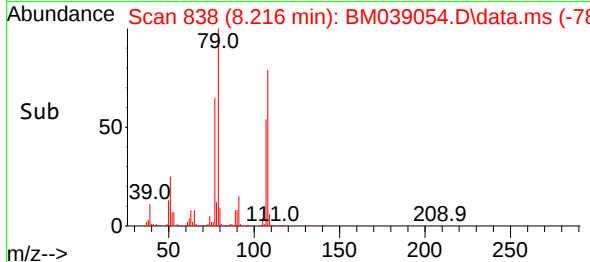
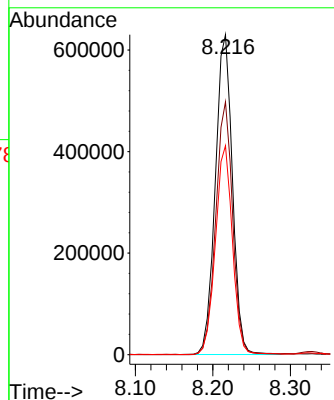
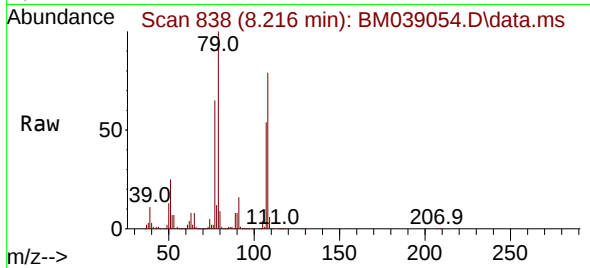




#15
Benzyl Alcohol
Concen: 46.580 ng
RT: 8.216 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

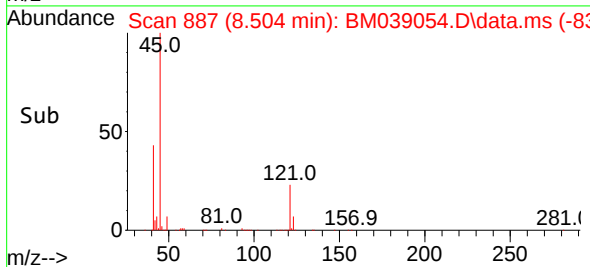
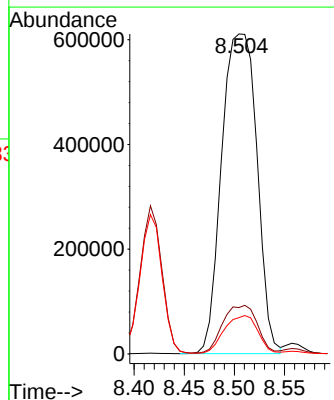
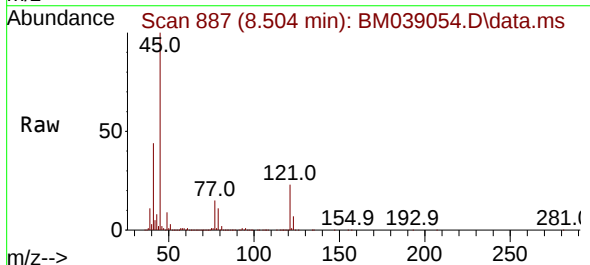
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

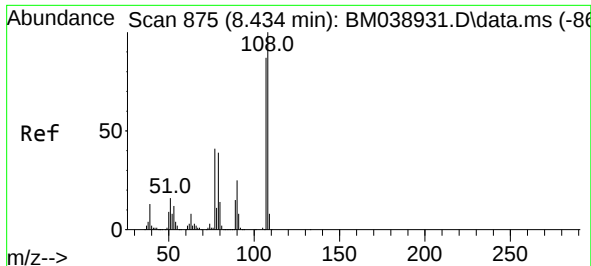
Tgt Ion: 79 Resp: 964930
Ion Ratio Lower Upper
79 100
108 79.0 62.4 93.6
77 65.3 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.440 ng
RT: 8.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 45 Resp: 1495079
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.8
79 11.4 0.0 31.5

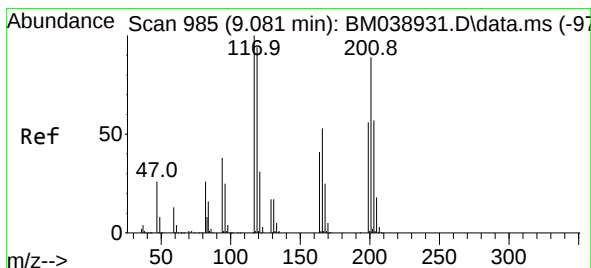
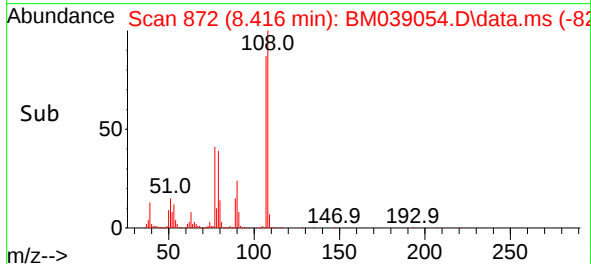
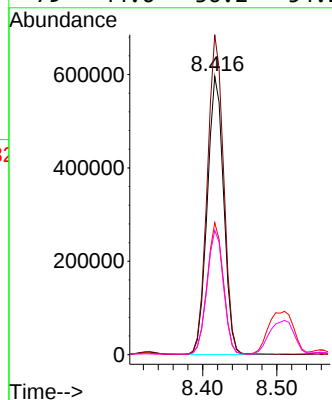
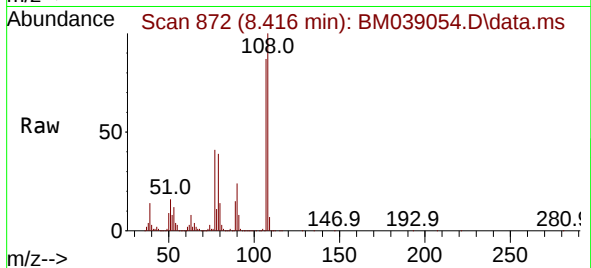




#17
2-Methylphenol
Concen: 43.452 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

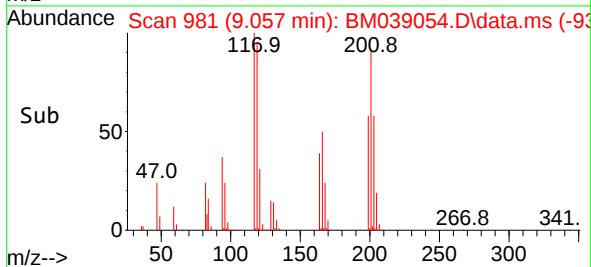
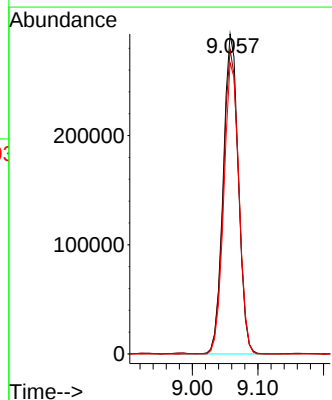
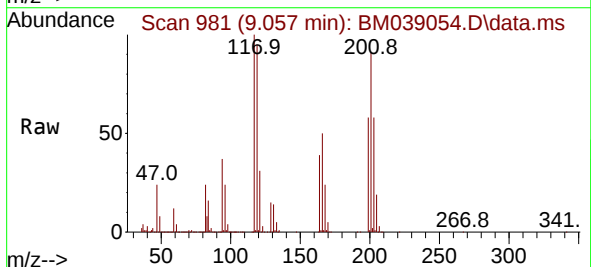
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

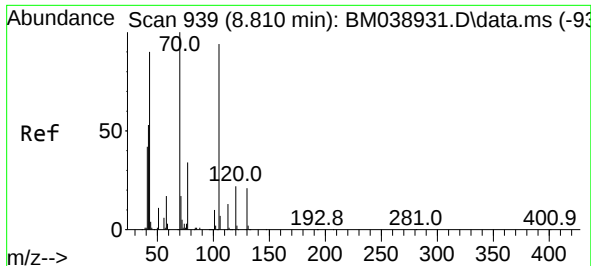
Tgt Ion:	107	Resp:	916126
Ion	Ratio	Lower	Upper
107	100		
108	115.0	91.7	137.5
77	47.4	37.4	56.2
79	44.6	36.2	54.2



#18
Hexachloroethane
Concen: 49.756 ng
RT: 9.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:	117	Resp:	470026
Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.4	113.0
201	91.0	71.3	106.9

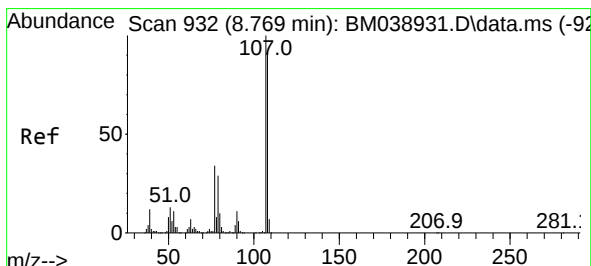
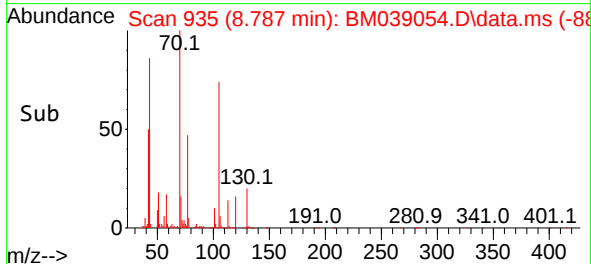
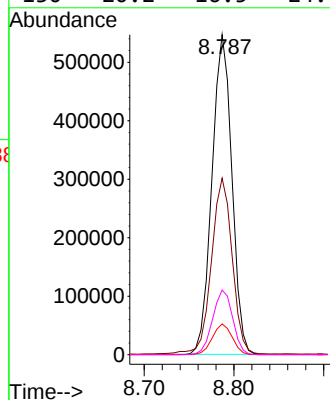
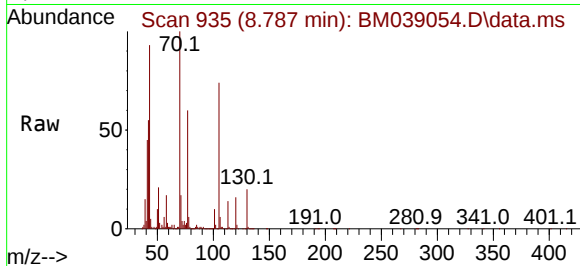




#19
n-Nitroso-di-n-propylamine
Concen: 46.225 ng
RT: 8.787 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

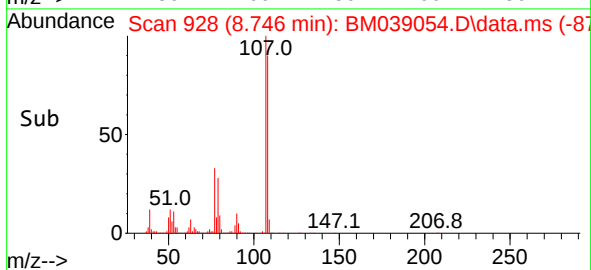
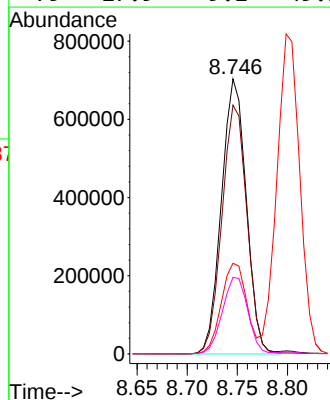
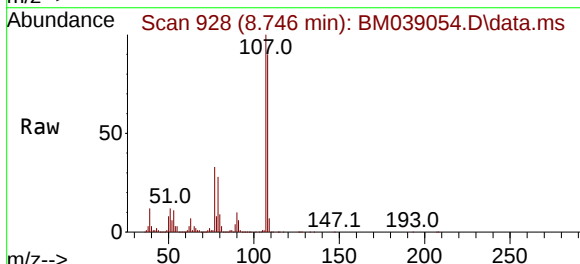
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

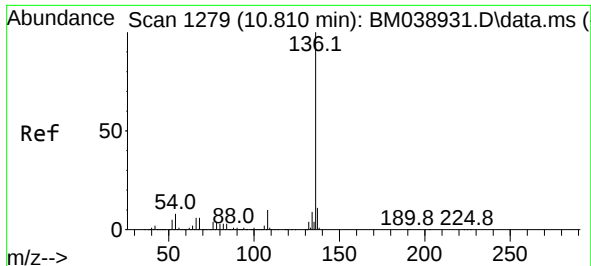
Tgt Ion: 70 Resp: 841498
Ion Ratio Lower Upper
70 100
42 55.2 43.4 65.2
101 9.6 7.6 11.4
130 20.2 16.5 24.7



#20
3+4-Methylphenols
Concen: 42.902 ng
RT: 8.746 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 107 Resp: 1207755
Ion Ratio Lower Upper
107 100
108 90.5 71.8 111.8
77 33.0 13.6 53.6
79 27.9 9.2 49.2

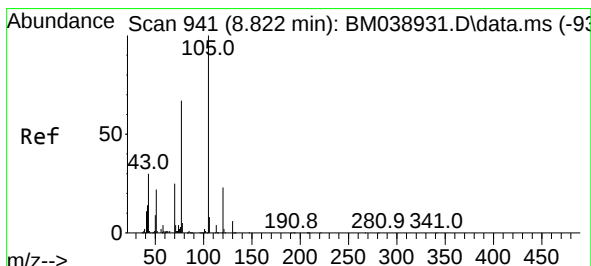
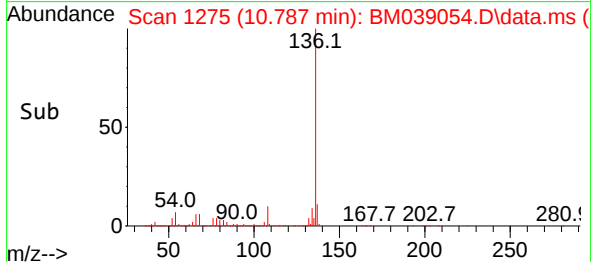
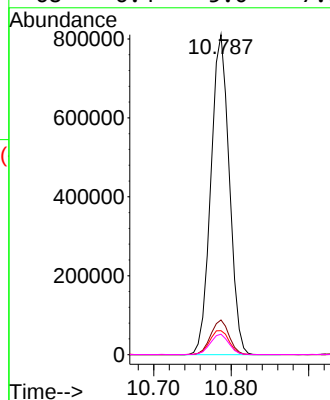
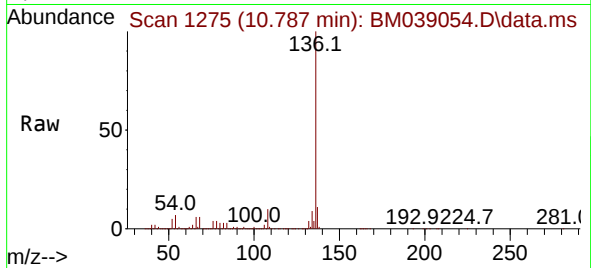




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

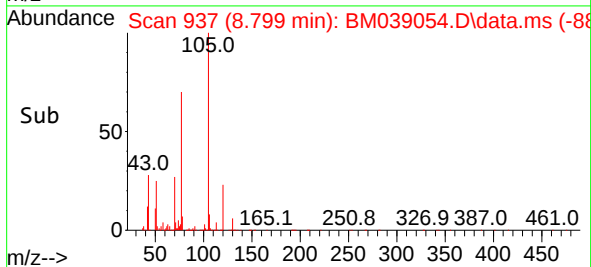
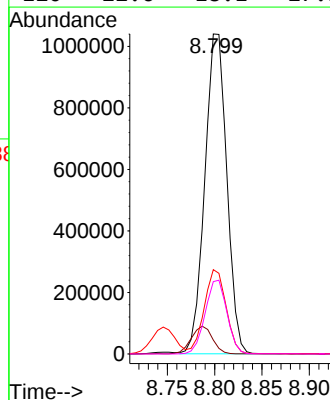
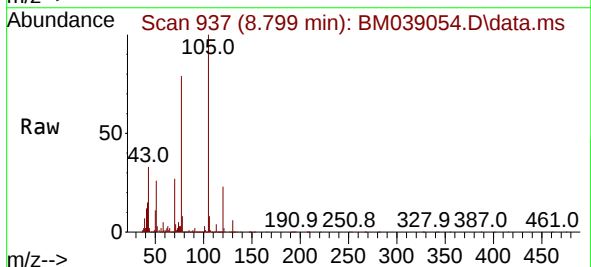
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

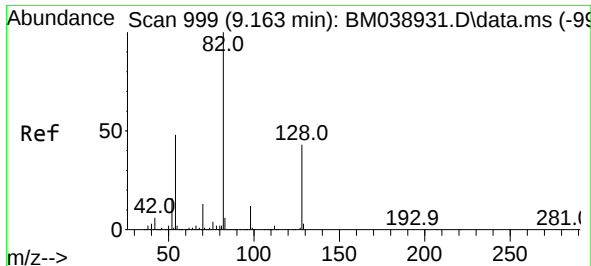
Tgt Ion:136 Resp: 1336080
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 6.3 9.5
68 6.4 5.0 7.6



#22
Acetophenone
Concen: 44.698 ng
RT: 8.799 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:105 Resp: 1675512
Ion Ratio Lower Upper
105 100
71 4.4 3.4 5.0
51 26.3 21.0 31.4
120 22.6 18.1 27.1

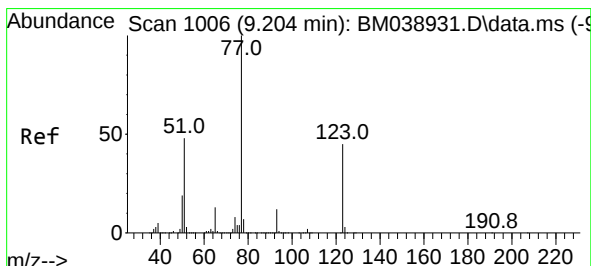
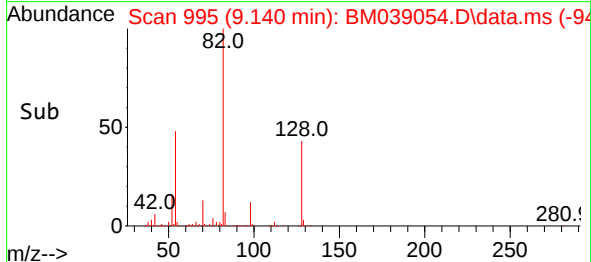
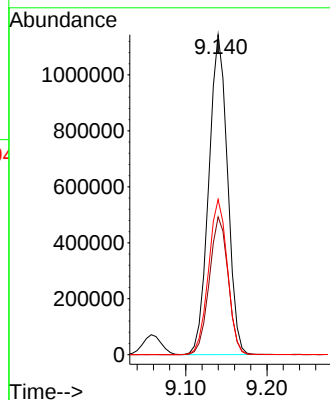
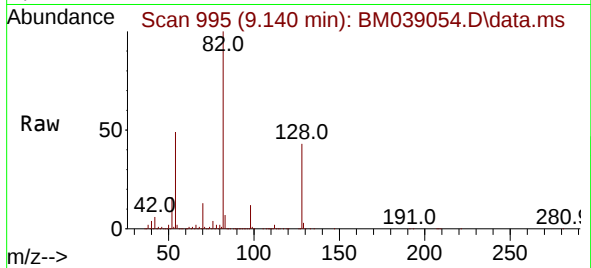




#23
Nitrobenzene-d5
Concen: 67.294 ng
RT: 9.140 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

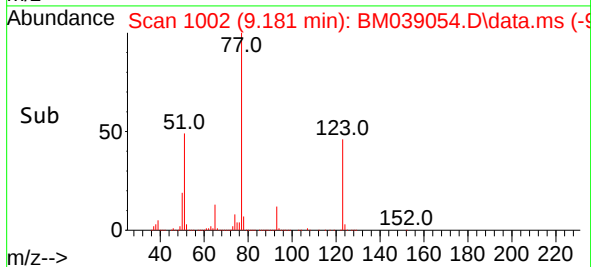
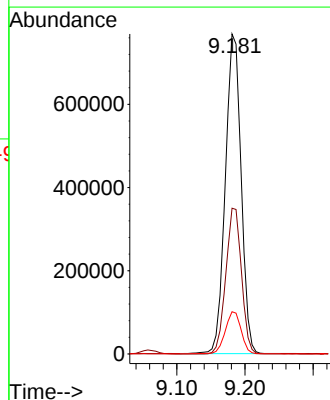
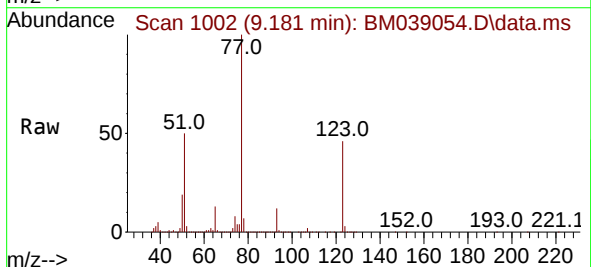
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

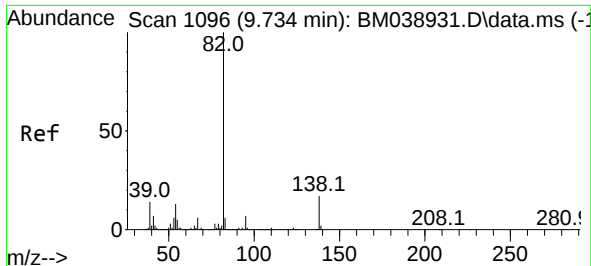
Tgt Ion: 82 Resp: 1830380
Ion Ratio Lower Upper
82 100
128 43.0 34.4 51.6
54 48.5 38.8 58.2



#24
Nitrobenzene
Concen: 43.354 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 77 Resp: 1239429
Ion Ratio Lower Upper
77 100
123 45.5 35.8 53.6
65 13.2 10.2 15.4

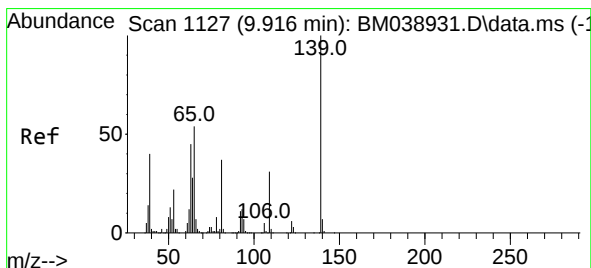
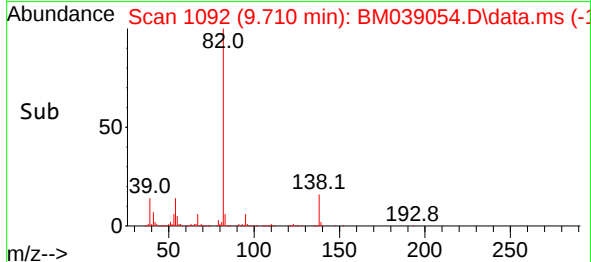
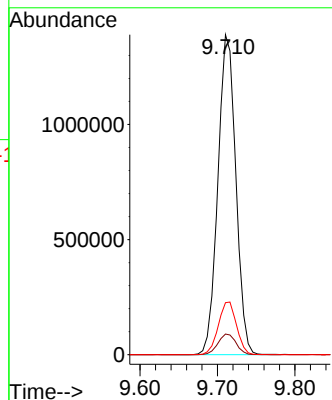
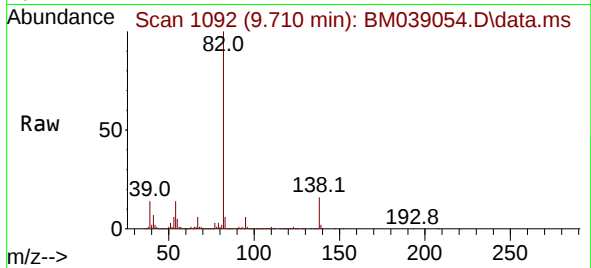




#25
Isophorone
Concen: 44.755 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

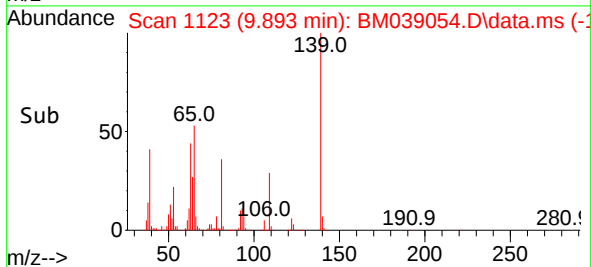
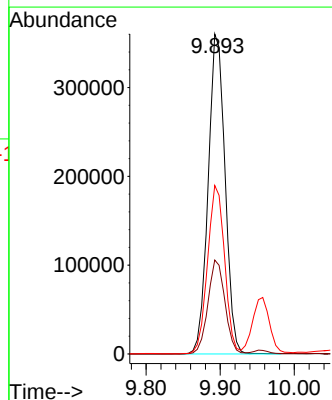
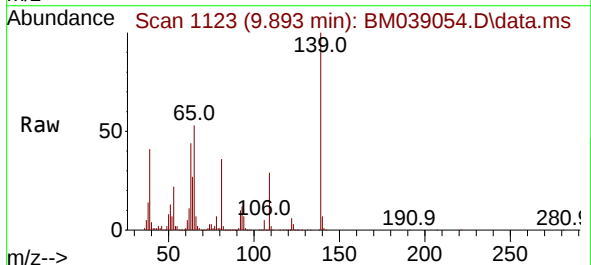
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

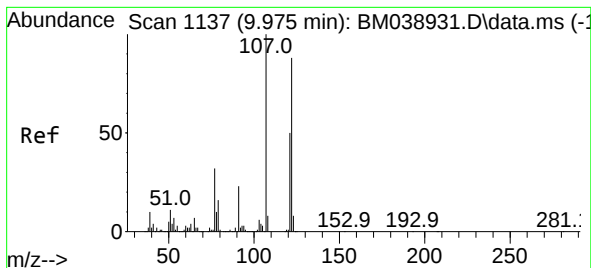
Tgt Ion: 82 Resp: 2240134
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 16.2 13.6 20.4



#26
2-Nitrophenol
Concen: 45.329 ng
RT: 9.893 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion: 139 Resp: 569966
Ion Ratio Lower Upper
139 100
109 29.3 24.5 36.7
65 52.7 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 44.656 ng

RT: 9.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

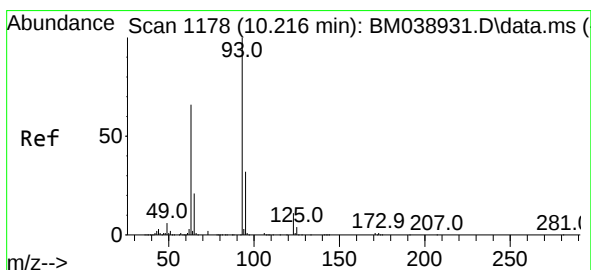
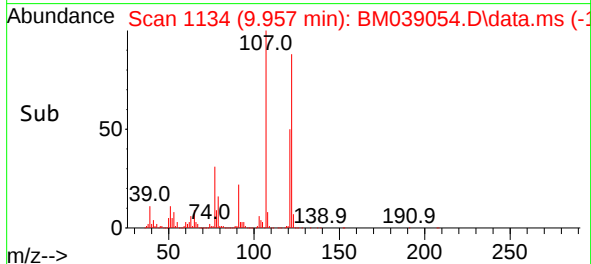
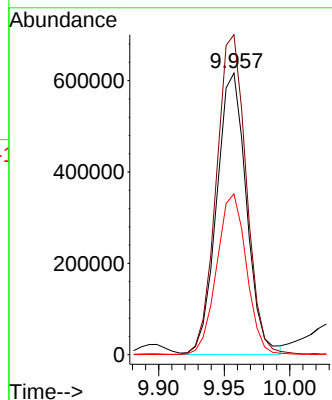
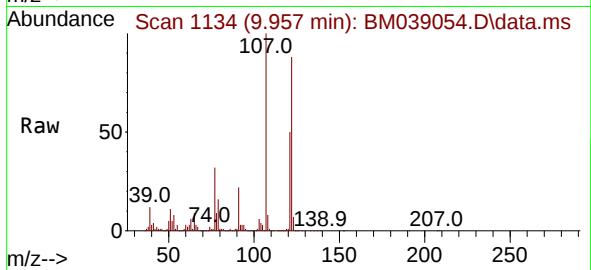
Tgt Ion:122 Resp: 973931

Ion Ratio Lower Upper

122 100

107 113.6 91.0 136.4

121 57.1 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 44.199 ng

RT: 10.198 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

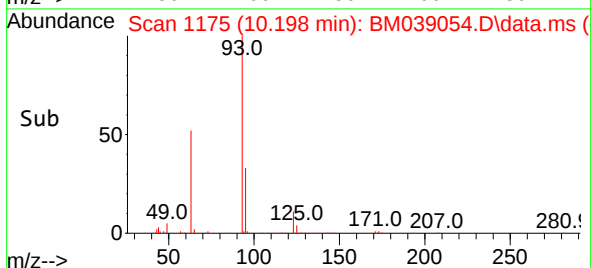
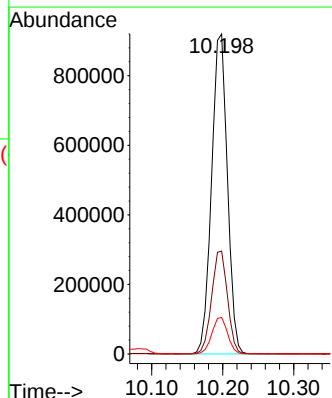
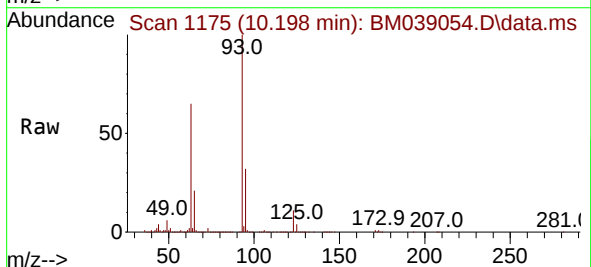
Tgt Ion: 93 Resp: 1421475

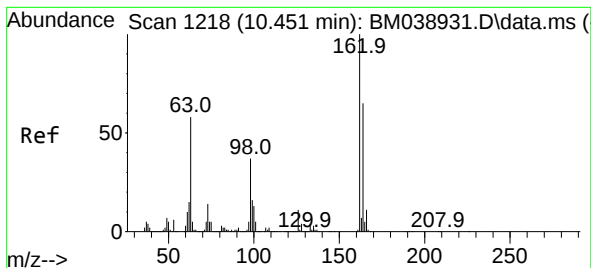
Ion Ratio Lower Upper

93 100

95 32.1 25.9 38.9

123 11.4 8.8 13.2

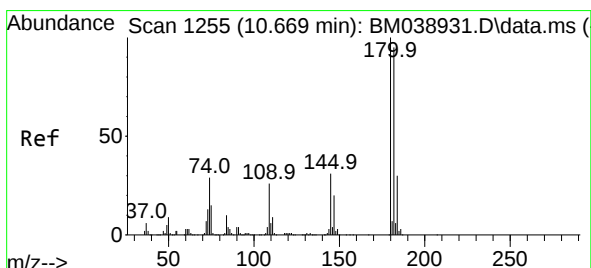
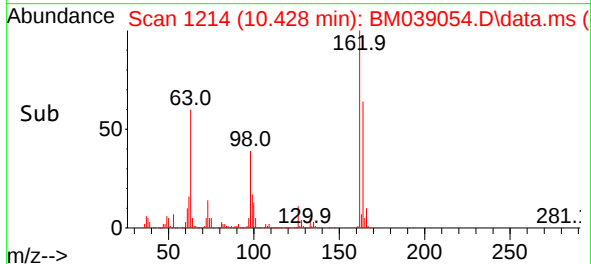
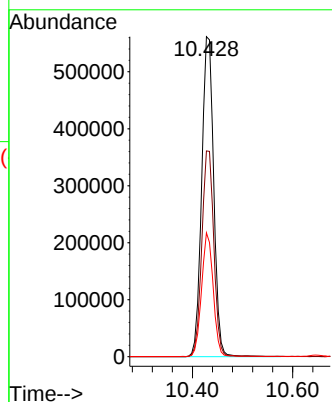
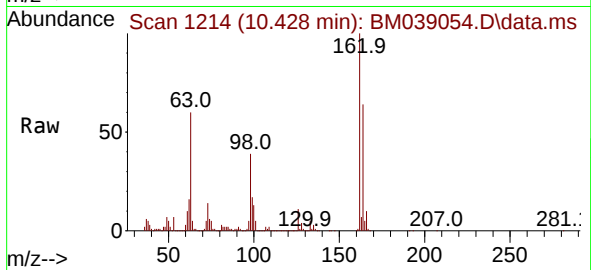




#29
2,4-Dichlorophenol
Concen: 45.233 ng
RT: 10.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

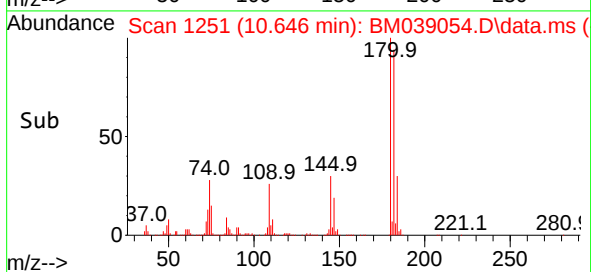
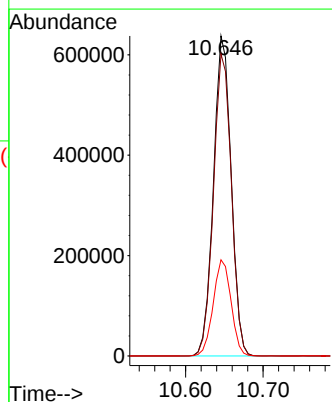
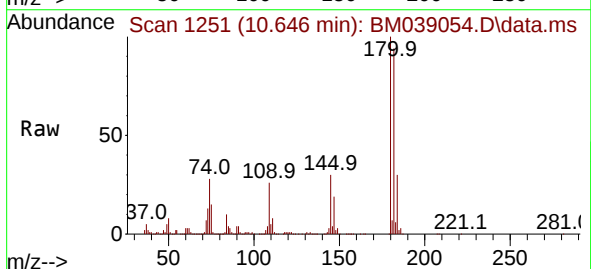
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

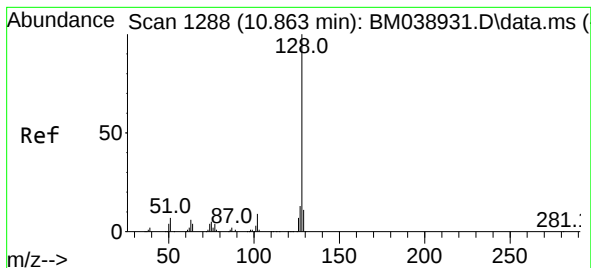
Tgt Ion:162 Resp: 935277
Ion Ratio Lower Upper
162 100
164 64.3 44.6 84.6
98 38.7 17.5 57.5



#30
1,2,4-Trichlorobenzene
Concen: 44.786 ng
RT: 10.646 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:180 Resp: 1011945
Ion Ratio Lower Upper
180 100
182 94.3 76.3 114.5
145 30.1 25.0 37.4





#31

Naphthalene

Concen: 43.130 ng

RT: 10.834 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

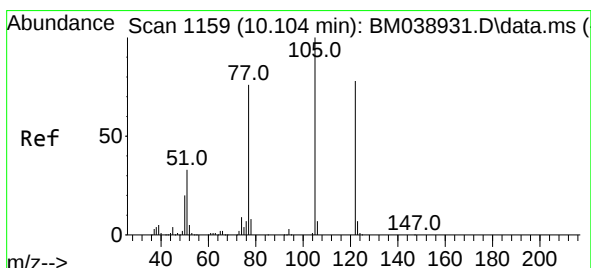
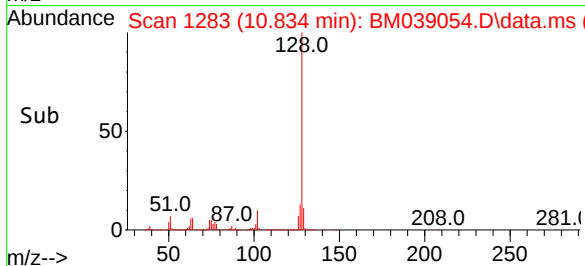
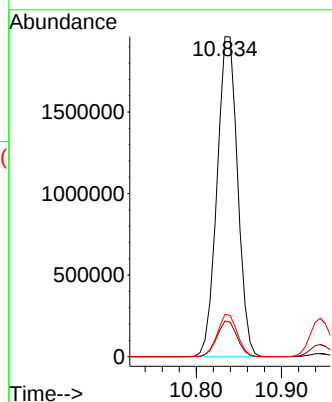
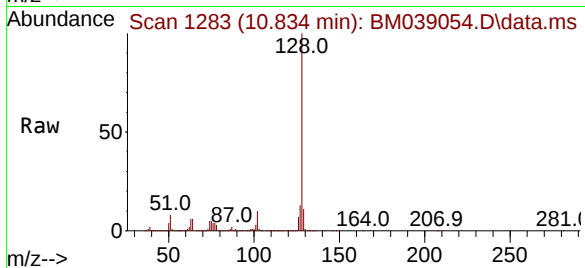
Tgt Ion:128 Resp: 3285867

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.2 10.2 15.4



#32

Benzoic acid

Concen: 45.484 ng

RT: 10.087 min Scan# 1156

Delta R.T. -0.011 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

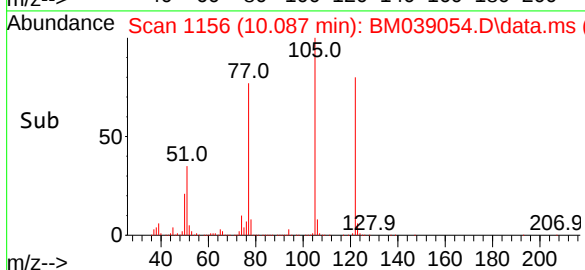
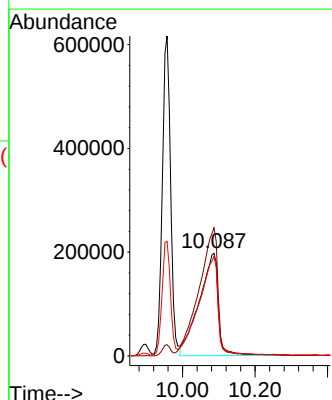
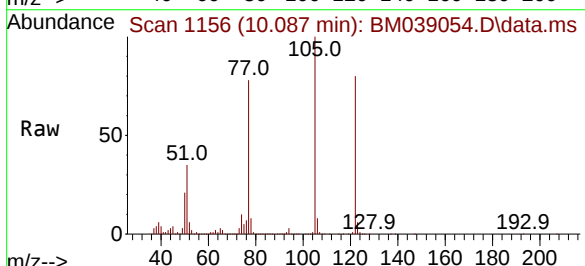
Tgt Ion:122 Resp: 722368

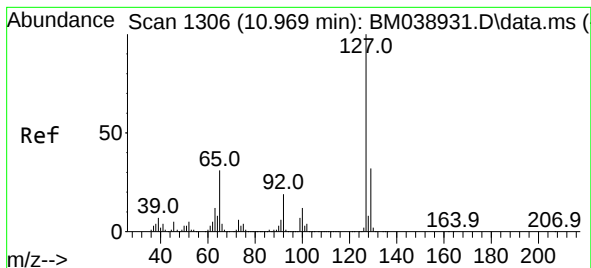
Ion Ratio Lower Upper

122 100

105 124.9 104.2 144.2

77 97.0 75.1 115.1





#33

4-Chloroaniline

Concen: 12.554 ng

RT: 10.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

Tgt Ion:127 Resp: 407616

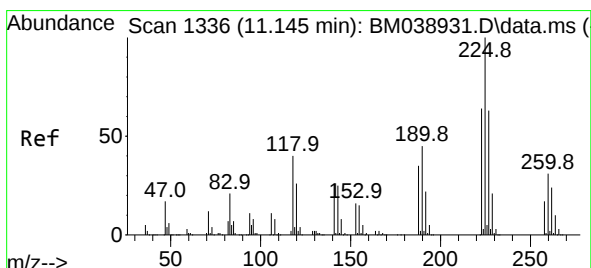
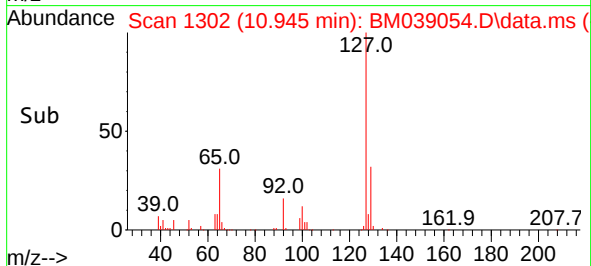
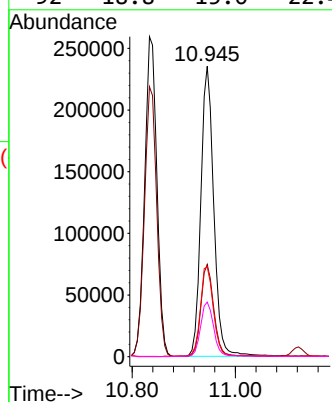
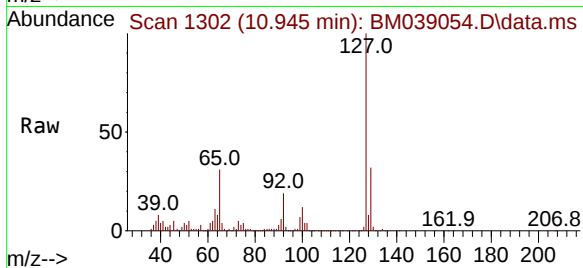
Ion Ratio Lower Upper

127 100

129 31.8 25.4 38.2

65 30.9 24.4 36.6

92 18.8 15.0 22.4



#34

Hexachlorobutadiene

Concen: 44.305 ng

RT: 11.122 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

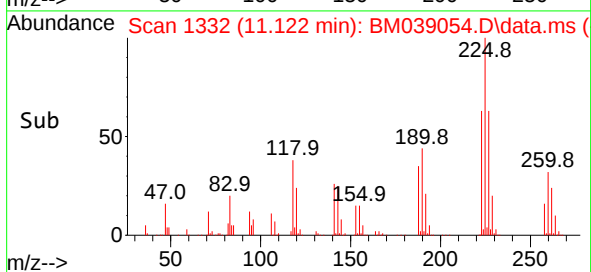
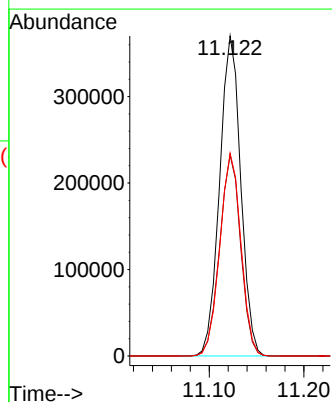
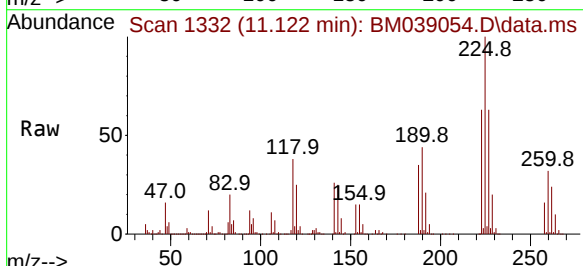
Tgt Ion:225 Resp: 574085

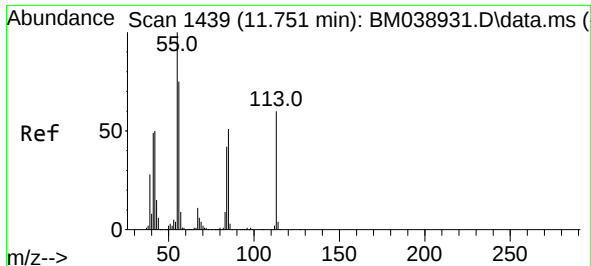
Ion Ratio Lower Upper

225 100

223 62.8 51.3 76.9

227 63.4 50.6 76.0

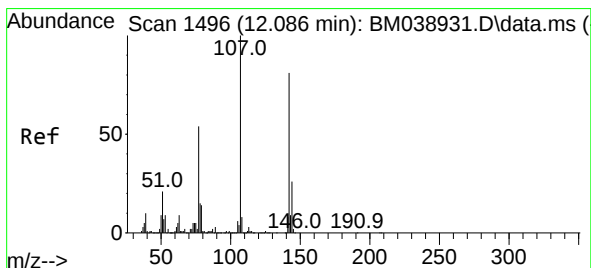
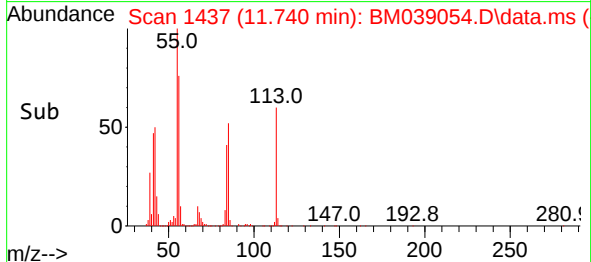
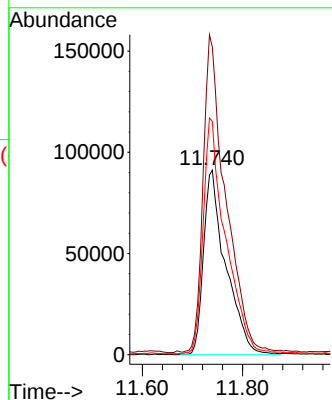
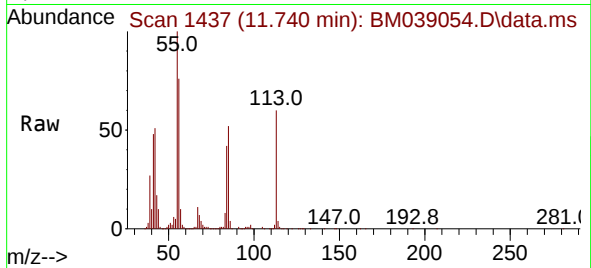




#35
Caprolactam
Concen: 44.617 ng
RT: 11.740 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

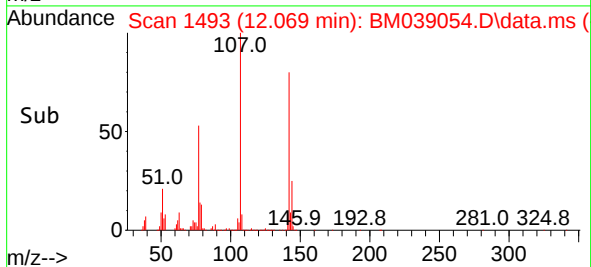
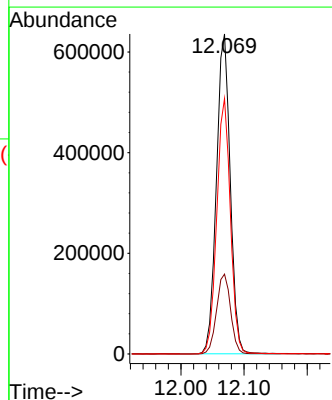
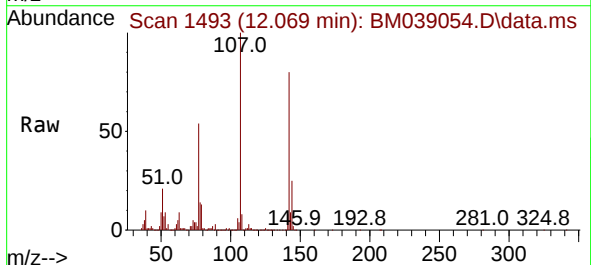
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

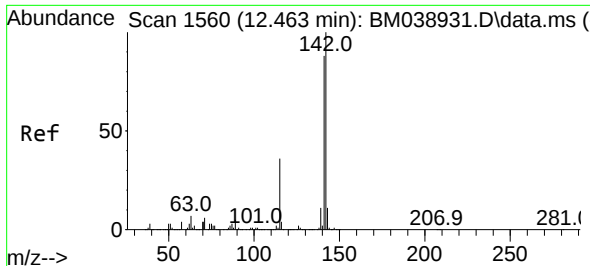
Tgt Ion:113 Resp: 280781
Ion Ratio Lower Upper
113 100
55 166.6 147.0 187.0
56 126.5 105.1 145.1



#36
4-Chloro-3-methylphenol
Concen: 43.810 ng
RT: 12.069 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:107 Resp: 964596
Ion Ratio Lower Upper
107 100
144 25.0 20.7 31.1
142 79.8 64.6 97.0

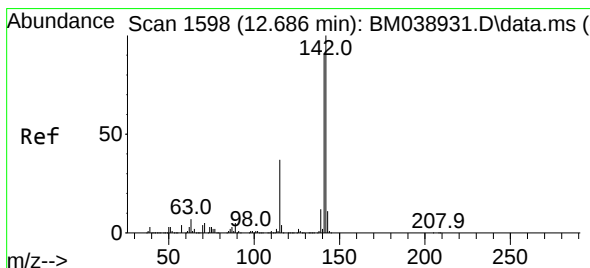
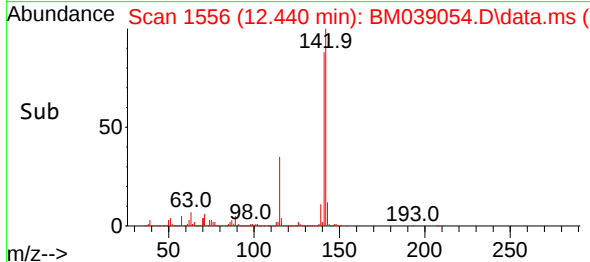
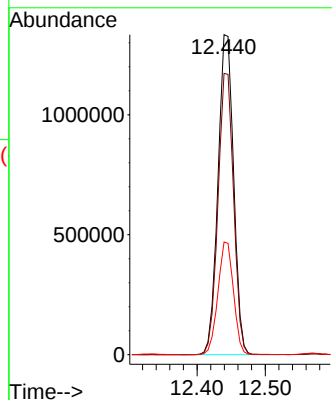
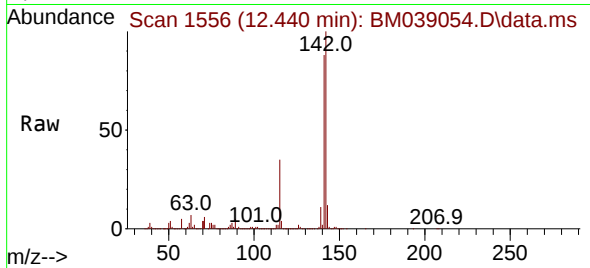




#37
2-Methylnaphthalene
Concen: 41.696 ng
RT: 12.440 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

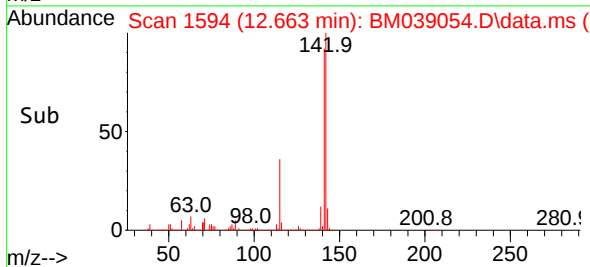
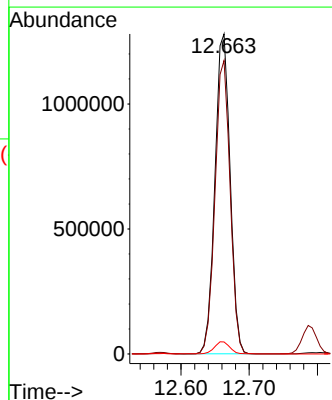
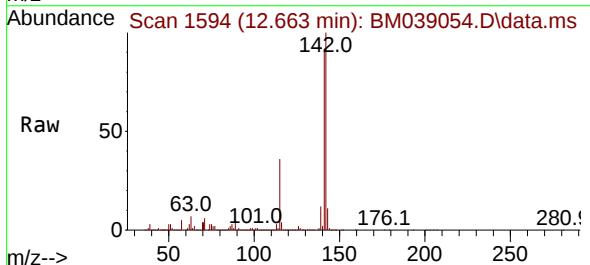
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

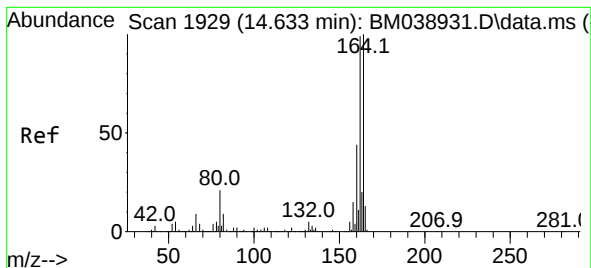
Tgt Ion:142 Resp: 2129149
Ion Ratio Lower Upper
142 100
141 87.9 70.6 106.0
115 35.2 28.5 42.7



#38
1-Methylnaphthalene
Concen: 41.430 ng
RT: 12.663 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:142 Resp: 1982540
Ion Ratio Lower Upper
142 100
141 91.7 72.8 109.2
116 3.8 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

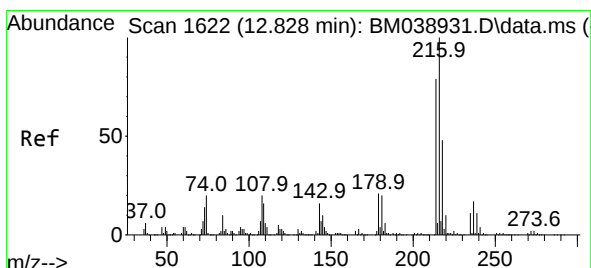
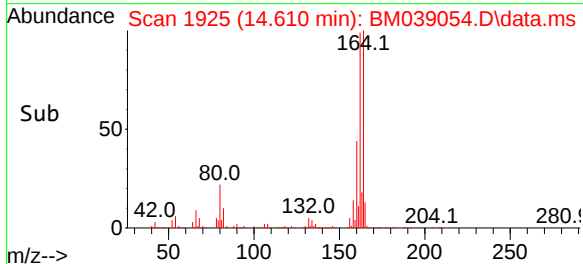
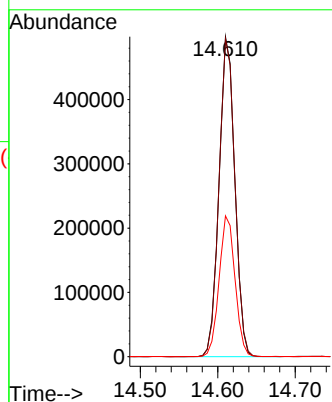
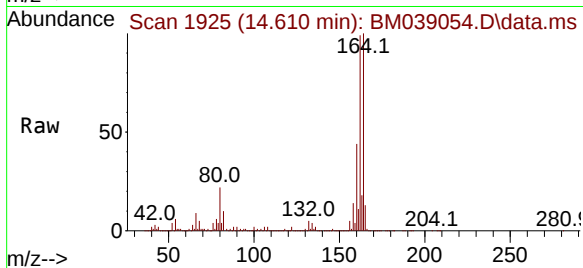
Tgt Ion:164 Resp: 703629

Ion Ratio Lower Upper

164 100

162 99.4 79.2 118.8

160 44.0 35.5 53.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.415 ng

RT: 12.810 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Tgt Ion:216 Resp: 1038857

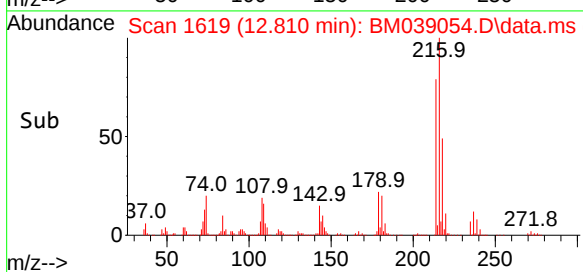
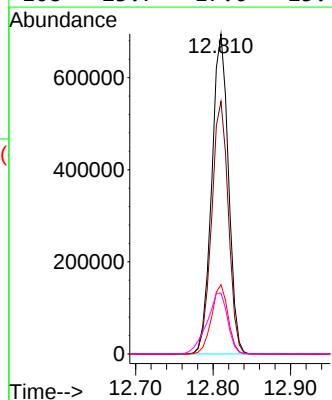
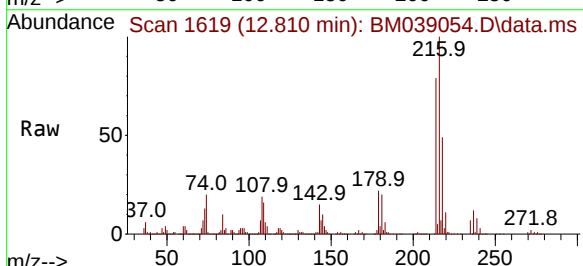
Ion Ratio Lower Upper

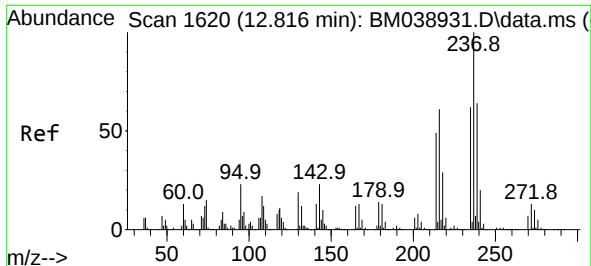
216 100

214 78.9 63.0 94.4

179 21.3 16.8 25.2

108 23.7 17.0 25.4

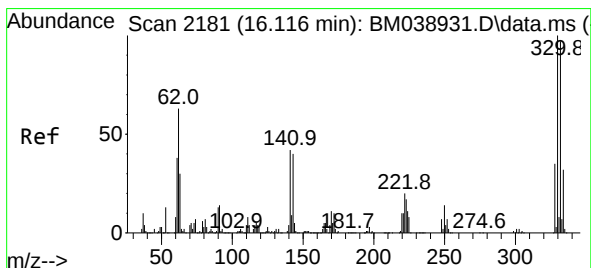
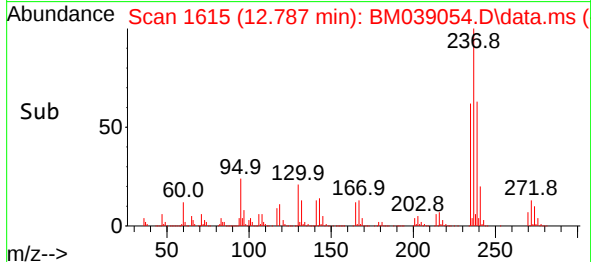
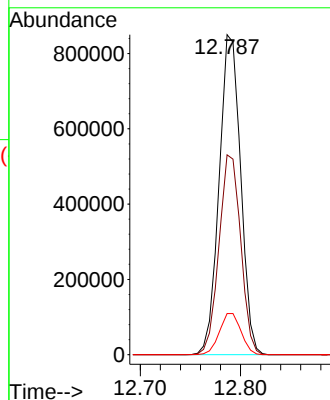
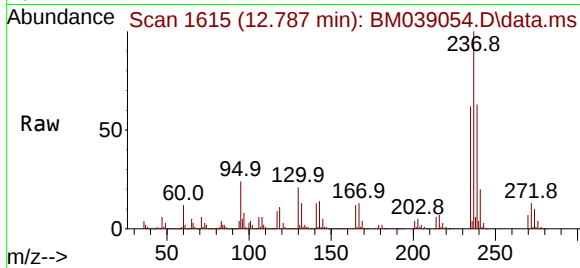




#41
Hexachlorocyclopentadiene
Concen: 100.815 ng
RT: 12.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

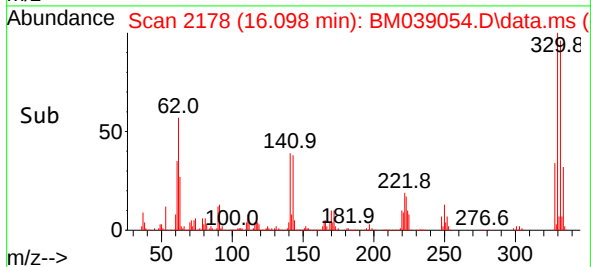
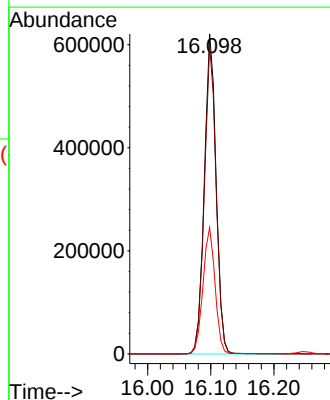
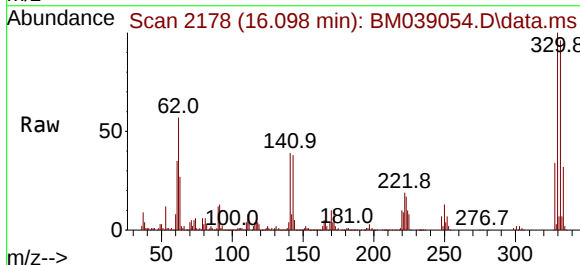
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

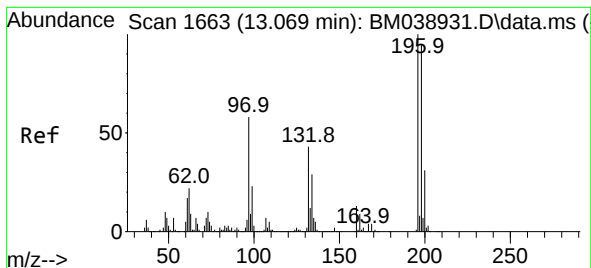
Tgt Ion:237 Resp: 1265836
Ion Ratio Lower Upper
237 100
235 62.4 41.7 81.7
272 12.8 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 99.148 ng
RT: 16.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:330 Resp: 807053
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 40.3 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 46.063 ng

RT: 13.045 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

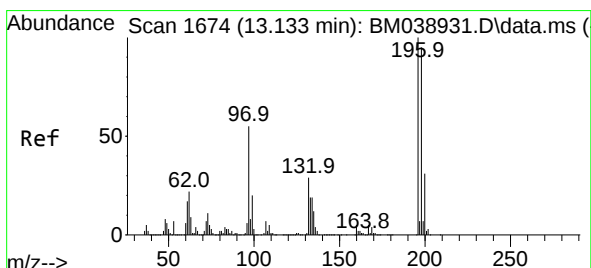
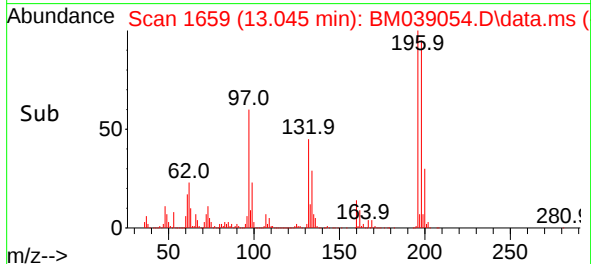
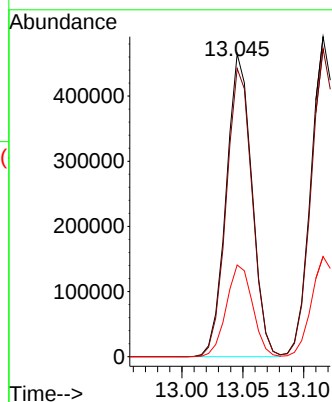
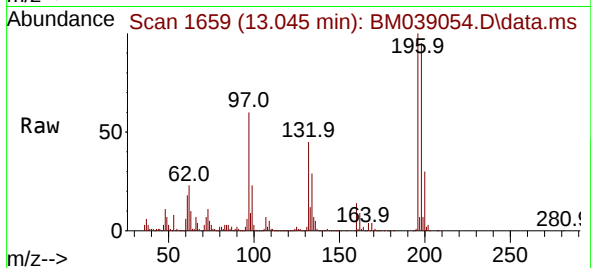
Tgt Ion:196 Resp: 682308

Ion Ratio Lower Upper

196 100

198 95.1 75.8 113.8

200 30.3 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 41.403 ng

RT: 13.116 min Scan# 1671

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Tgt Ion:196 Resp: 717856

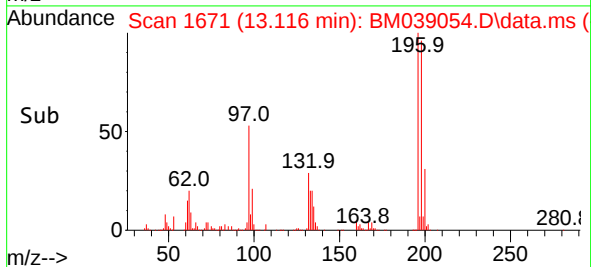
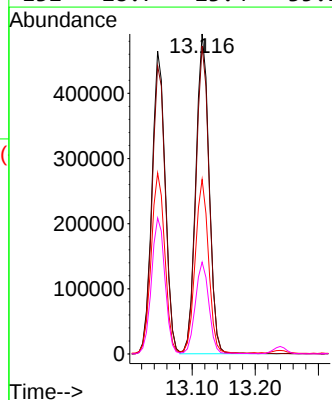
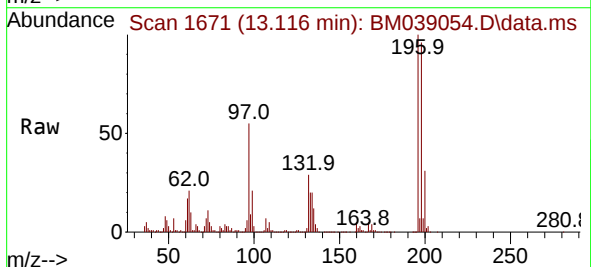
Ion Ratio Lower Upper

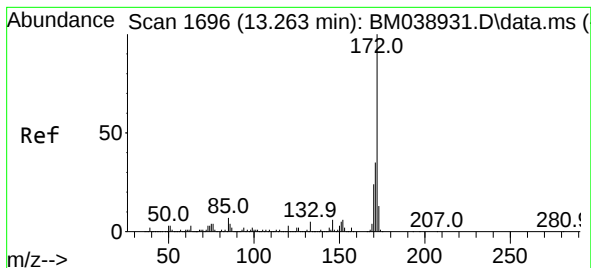
196 100

198 96.3 76.3 114.5

97 54.5 44.2 66.4

132 28.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 64.127 ng

RT: 13.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

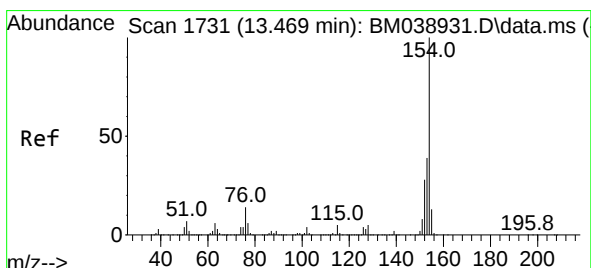
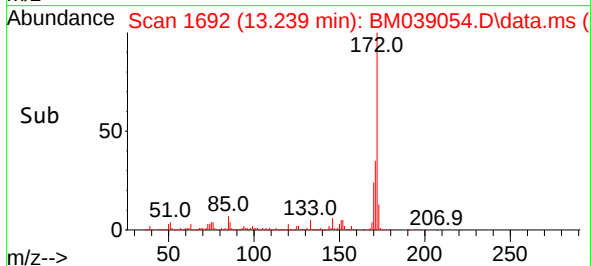
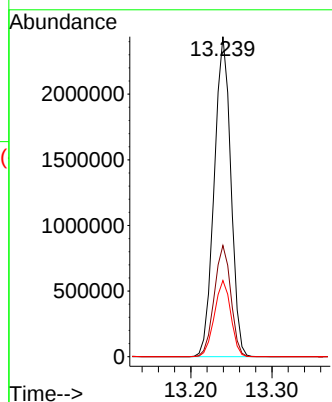
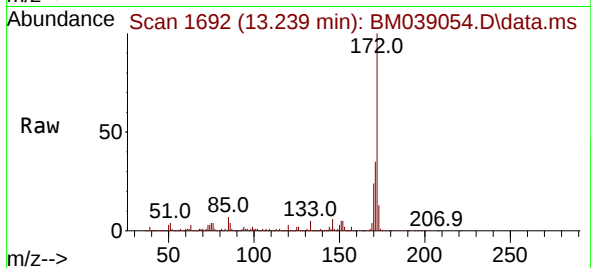
Tgt Ion:172 Resp: 3466102

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.2

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 45.511 ng

RT: 13.451 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

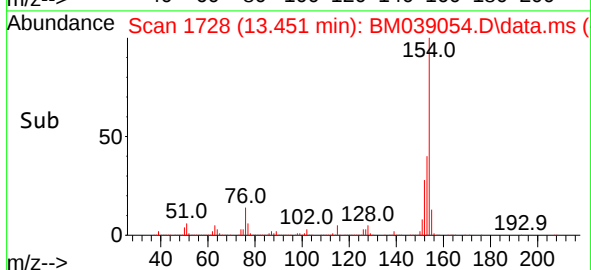
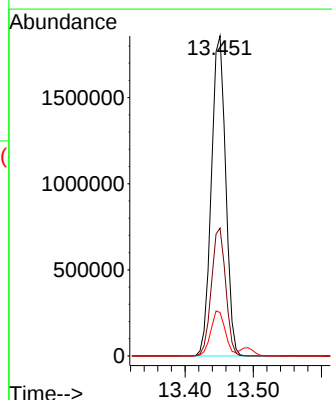
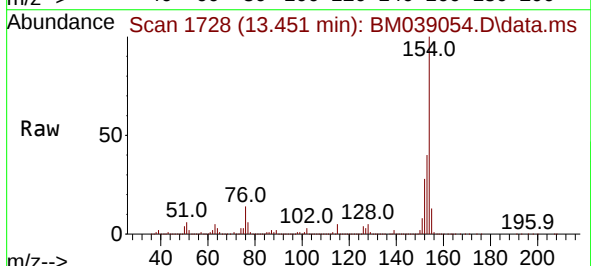
Tgt Ion:154 Resp: 2712870

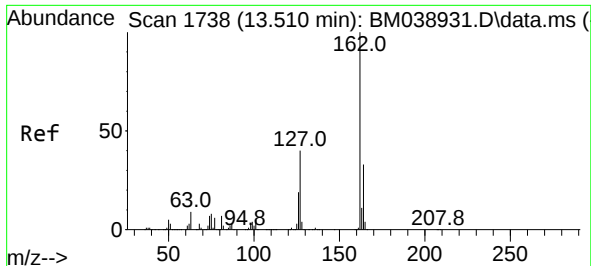
Ion Ratio Lower Upper

154 100

153 39.9 19.3 59.3

76 13.6 0.0 34.0





#47

2-Chloronaphthalene

Concen: 45.091 ng

RT: 13.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

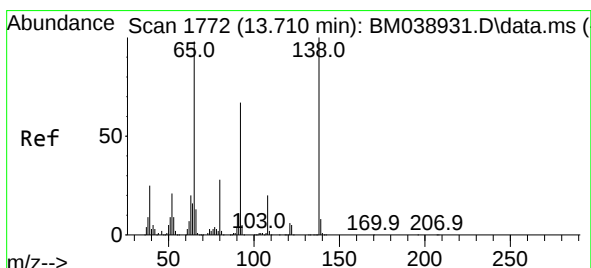
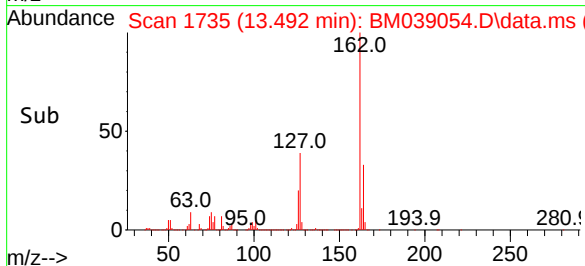
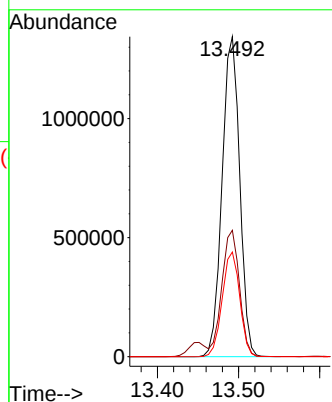
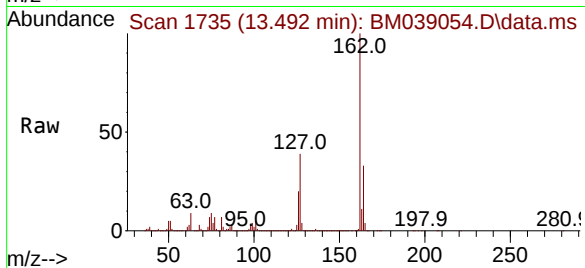
Tgt Ion:162 Resp: 2026855

Ion Ratio Lower Upper

162 100

127 39.5 32.1 48.1

164 32.7 26.2 39.4



#48

2-Nitroaniline

Concen: 43.080 ng

RT: 13.692 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

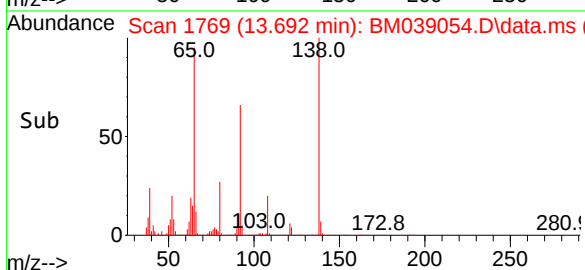
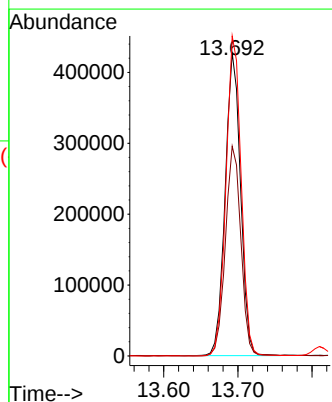
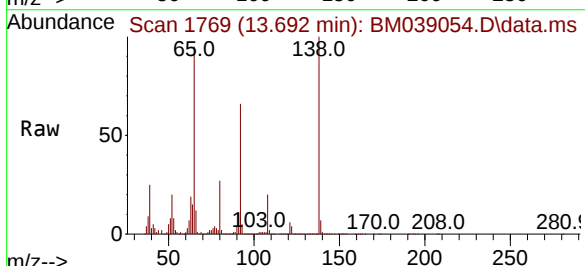
Tgt Ion: 65 Resp: 616561

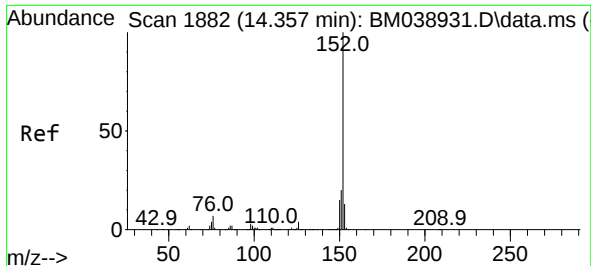
Ion Ratio Lower Upper

65 100

92 69.2 54.9 82.3

138 105.6 81.6 122.4

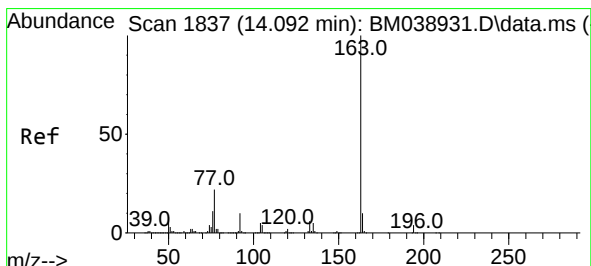
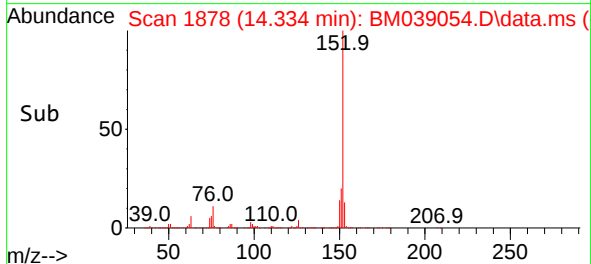
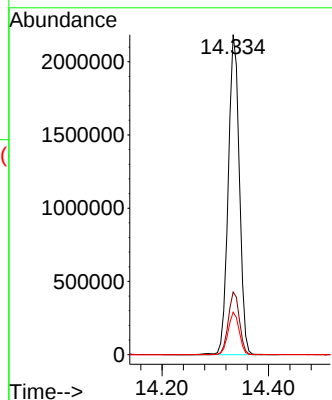
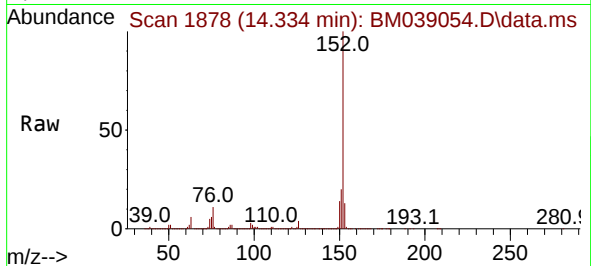




#49
Acenaphthylene
Concen: 43.999 ng
RT: 14.334 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

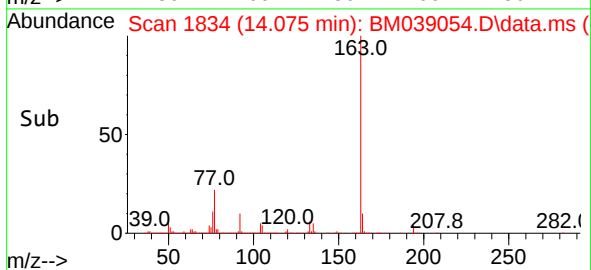
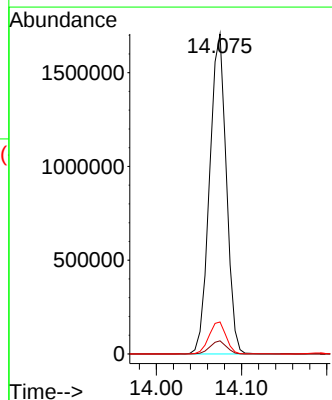
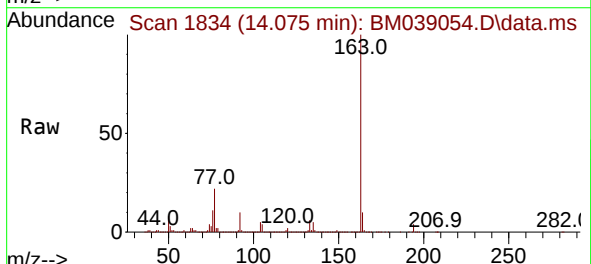
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

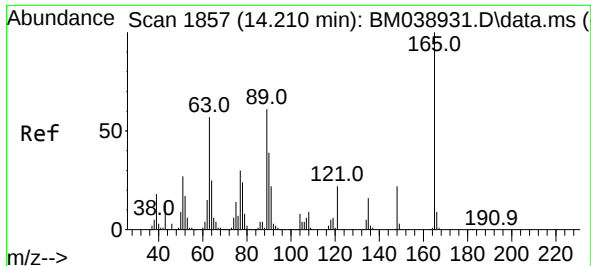
Tgt Ion:152 Resp: 3150249
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.3 10.4 15.6



#50
Dimethylphthalate
Concen: 43.012 ng
RT: 14.075 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:163 Resp: 2328840
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.1 12.1

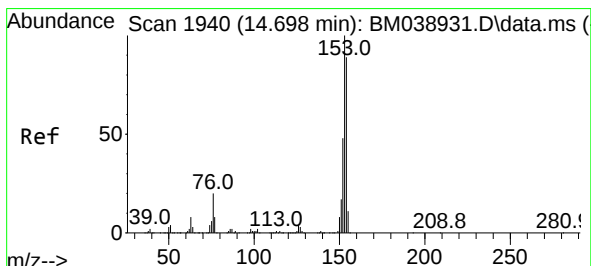
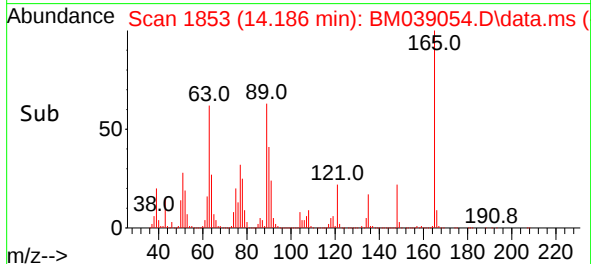
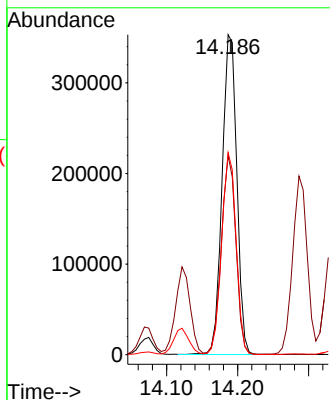
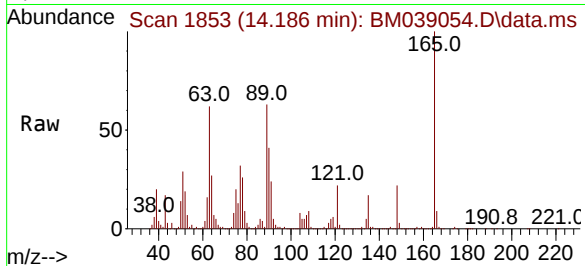




#51
2,6-Dinitrotoluene
Concen: 42.248 ng
RT: 14.186 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

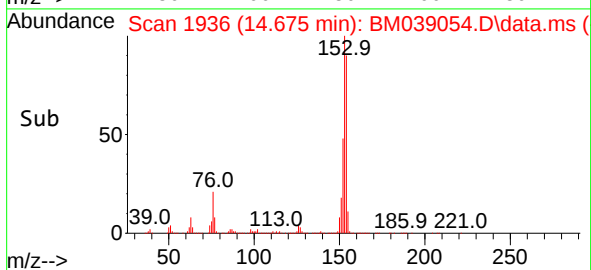
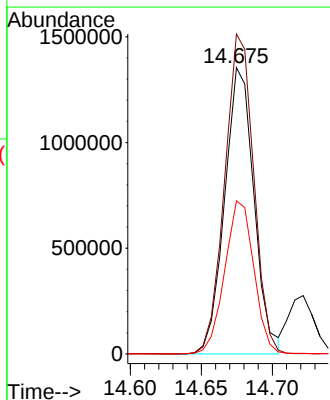
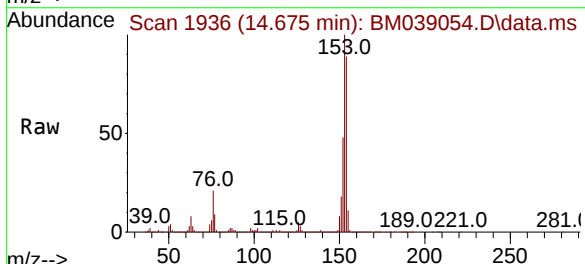
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

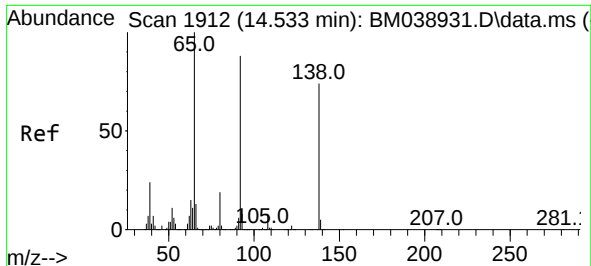
Tgt Ion:165 Resp: 503719
Ion Ratio Lower Upper
165 100
63 62.3 46.6 70.0
89 63.1 48.6 73.0



#52
Acenaphthene
Concen: 44.279 ng
RT: 14.675 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:154 Resp: 1948350
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.2
152 53.5 43.4 65.2

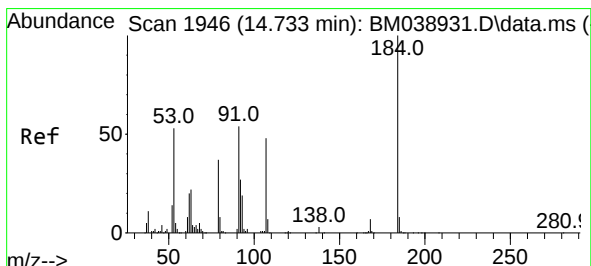
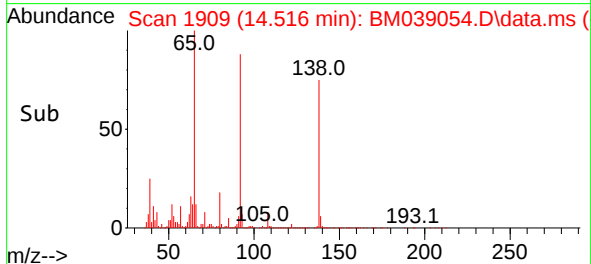
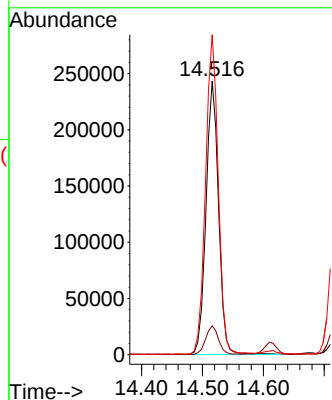
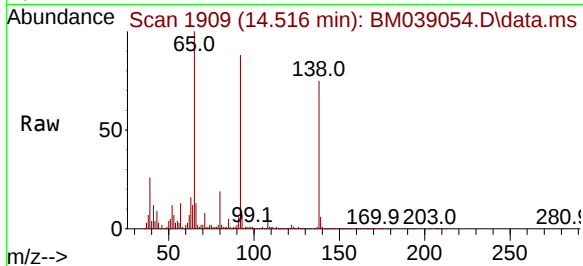




#53
3-Nitroaniline
Concen: 25.594 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

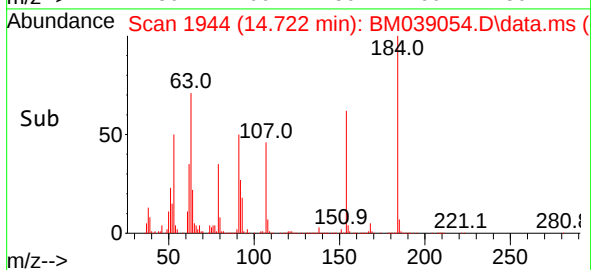
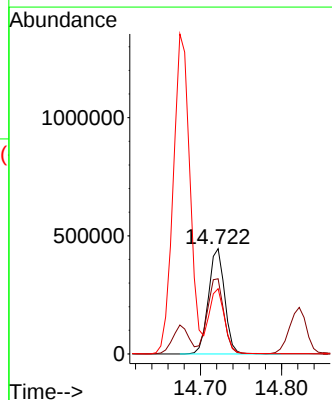
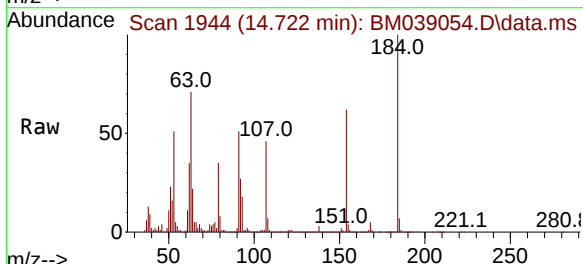
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

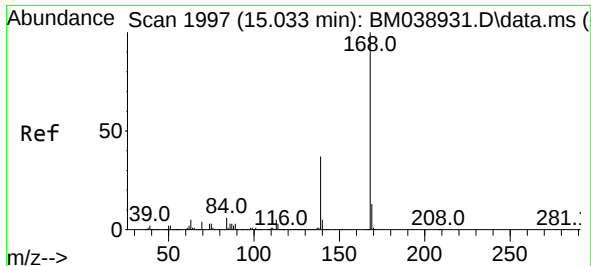
Tgt Ion:138 Resp: 347519
Ion Ratio Lower Upper
138 100
108 10.5 8.3 12.5
92 117.0 95.8 143.8



#54
2,4-Dinitrophenol
Concen: 88.660 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:184 Resp: 614330
Ion Ratio Lower Upper
184 100
63 71.4 60.6 90.8
154 62.0 51.4 77.2

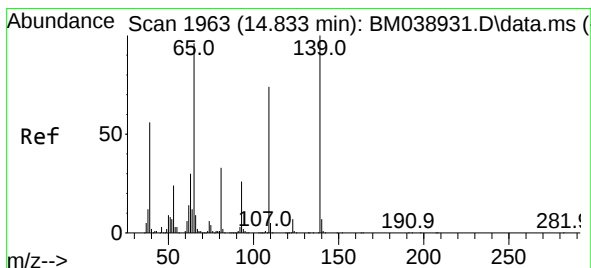
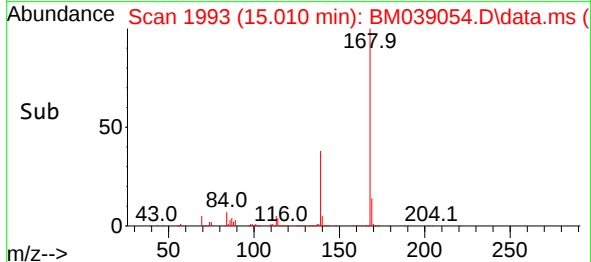
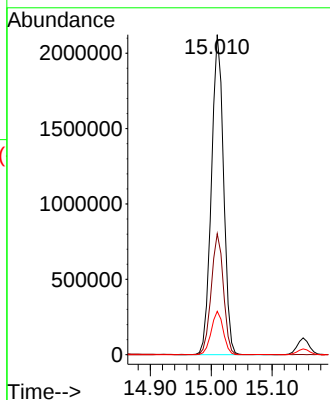
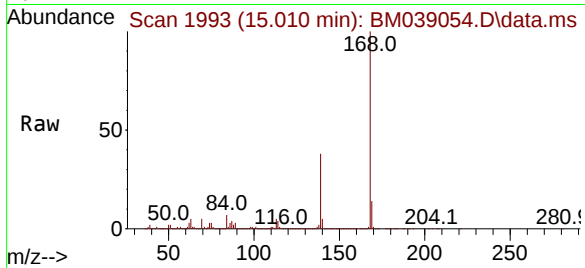




#55
Dibenzenofuran
Concen: 42.619 ng
RT: 15.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

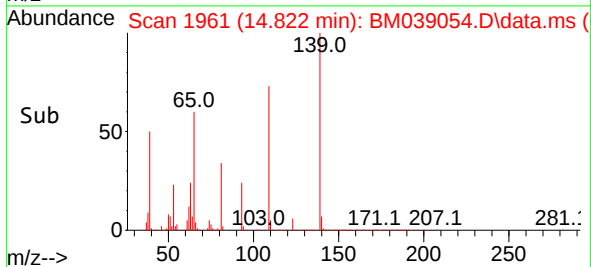
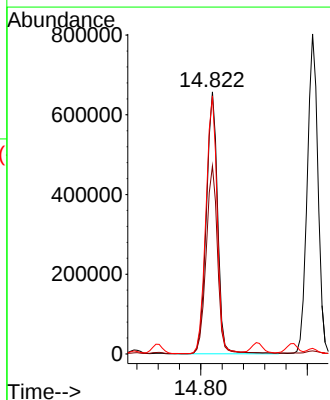
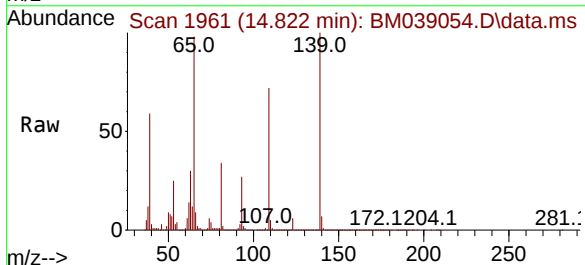
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

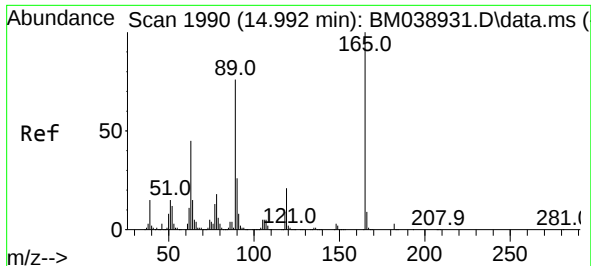
Tgt Ion:168 Resp: 2934597
Ion Ratio Lower Upper
168 100
139 37.8 29.9 44.9
169 13.6 10.7 16.1



#56
4-Nitrophenol
Concen: 90.143 ng
RT: 14.822 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:139 Resp: 969319
Ion Ratio Lower Upper
139 100
109 71.7 53.5 93.5
65 98.4 76.4 116.4

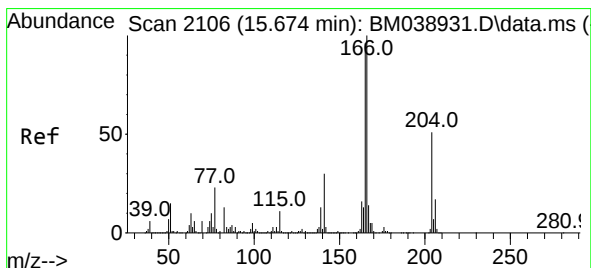
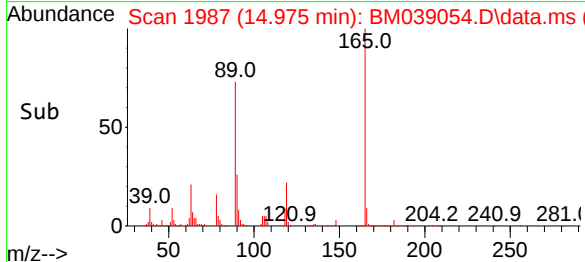
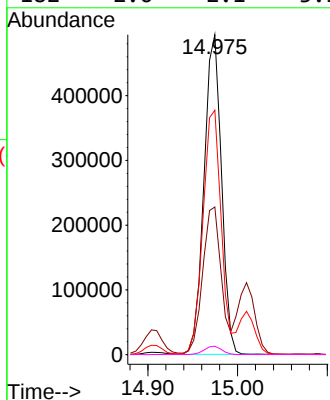
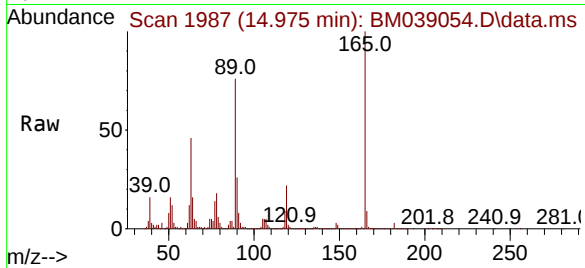




#57
2,4-Dinitrotoluene
Concen: 42.482 ng
RT: 14.975 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

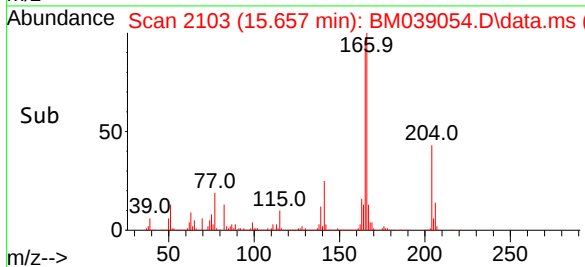
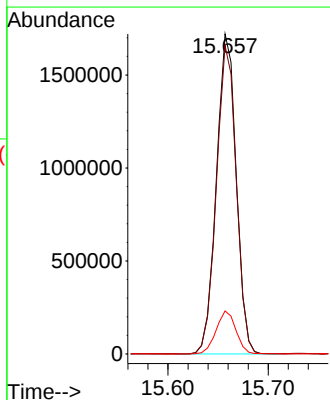
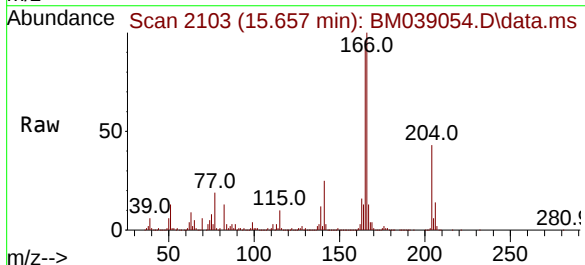
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

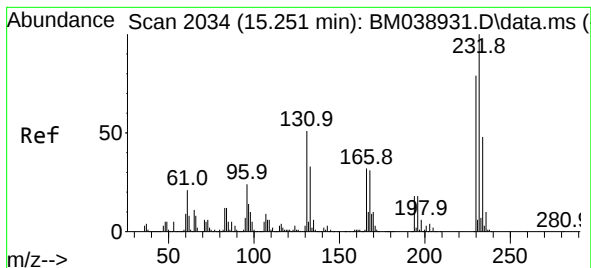
Tgt Ion:165 Resp: 665513
Ion Ratio Lower Upper
165 100
63 46.2 35.9 53.9
89 76.4 61.0 91.6
182 2.6 2.1 3.1



#58
Fluorene
Concen: 43.707 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:166 Resp: 2357421
Ion Ratio Lower Upper
166 100
165 96.4 77.1 115.7
167 13.5 10.9 16.3

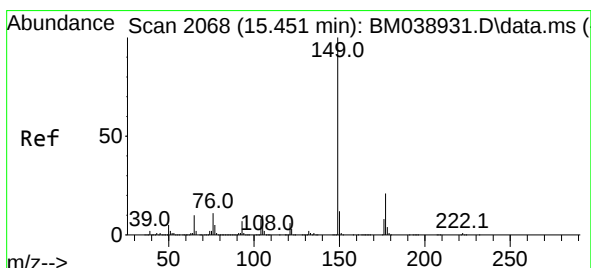
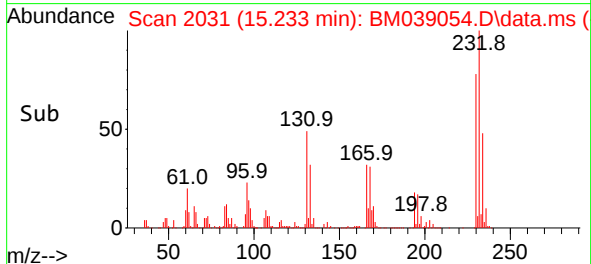
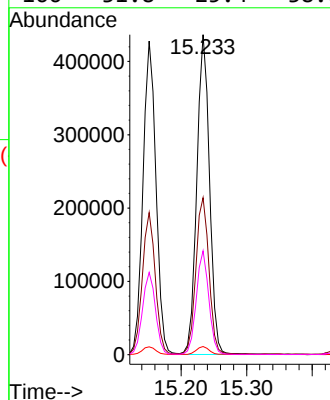
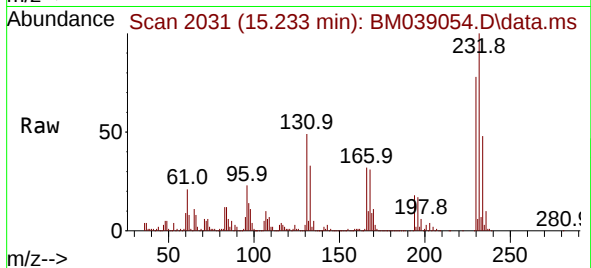




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.031 ng
RT: 15.233 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

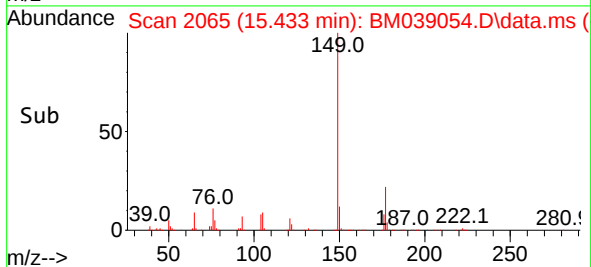
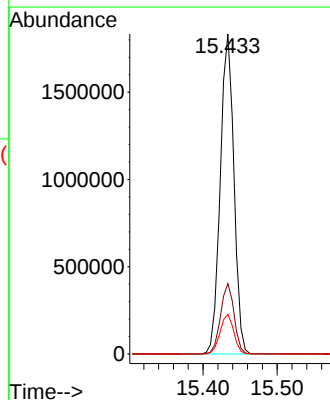
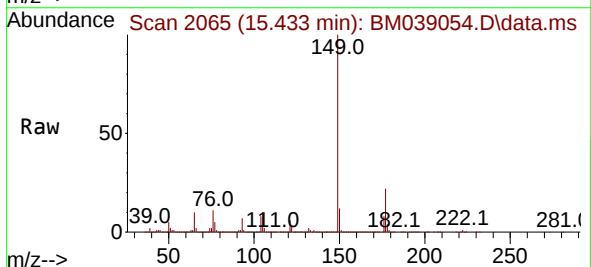
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

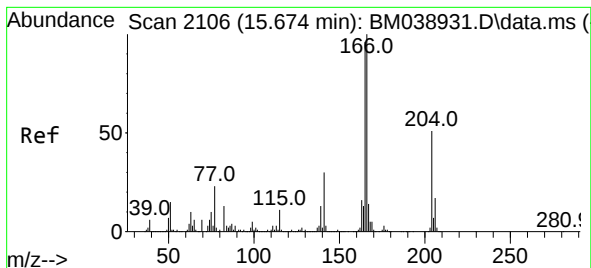
Tgt Ion:232 Resp: 588758
Ion Ratio Lower Upper
232 100
131 50.2 40.0 60.0
130 2.6 2.0 3.0
166 31.8 25.4 38.0



#60
Diethylphthalate
Concen: 44.470 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:149 Resp: 2342799
Ion Ratio Lower Upper
149 100
177 22.0 17.1 25.7
150 12.4 9.7 14.5

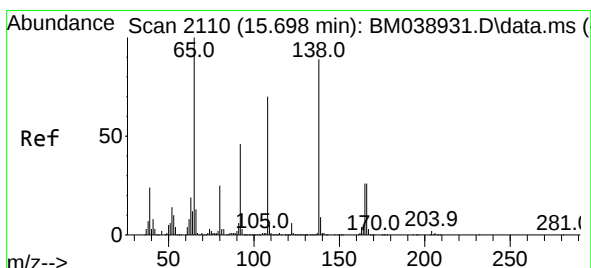
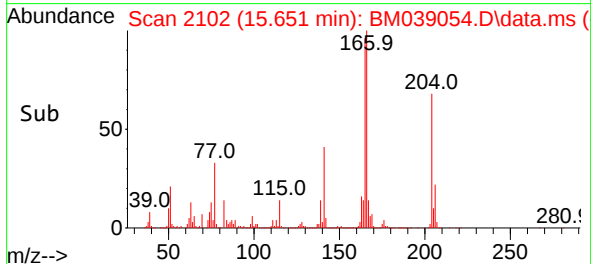
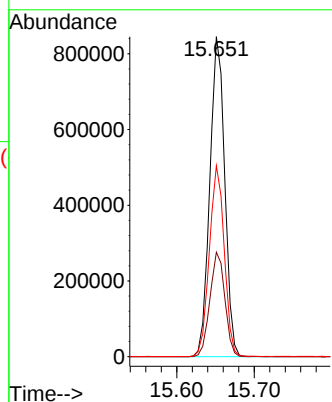
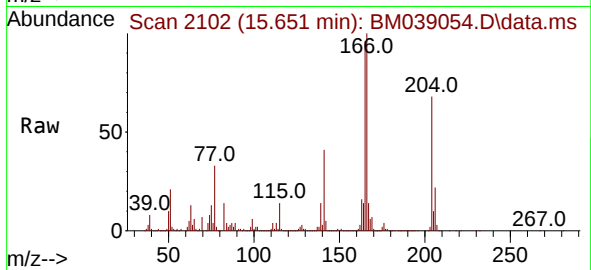




#61
4-Chlorophenyl-phenylether
Concen: 42.526 ng
RT: 15.651 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

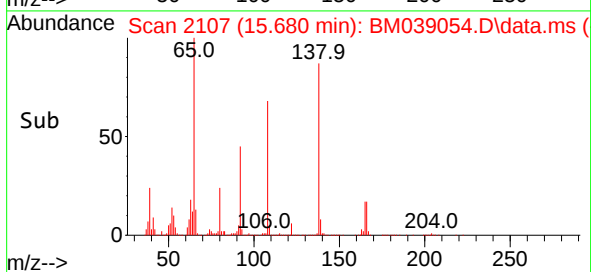
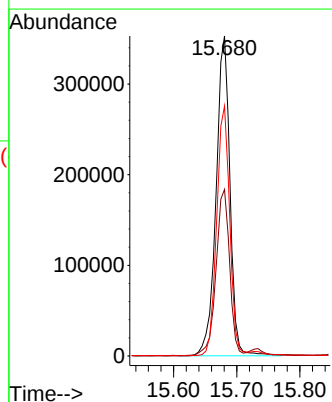
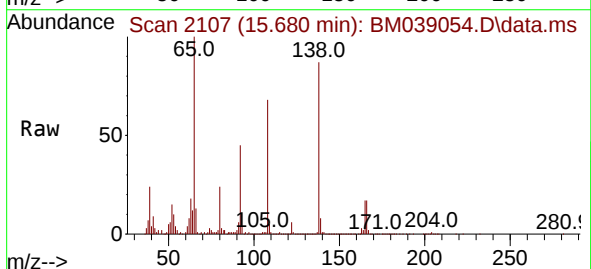
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

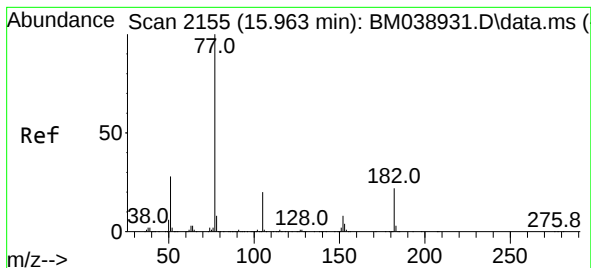
Tgt Ion:204 Resp: 1126857
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 59.6 46.4 69.6



#62
4-Nitroaniline
Concen: 38.153 ng
RT: 15.680 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:138 Resp: 538285
Ion Ratio Lower Upper
138 100
92 52.1 31.6 71.6
108 78.1 58.6 98.6





#63

Azobenzene

Concen: 48.817 ng

RT: 15.945 min Scan# 2152

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

Tgt Ion: 77 Resp: 2721224

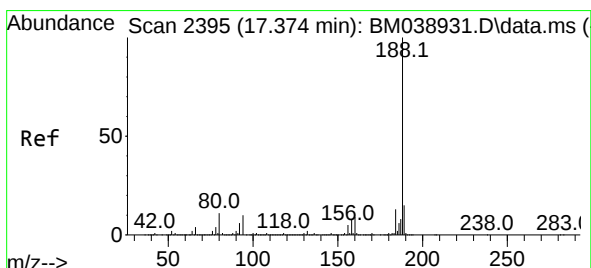
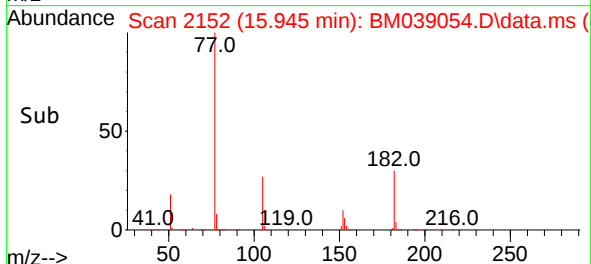
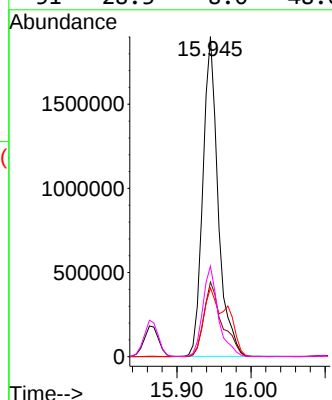
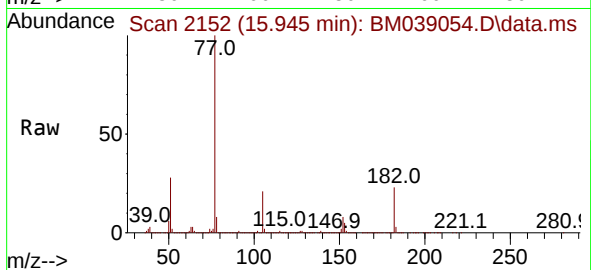
Ion Ratio Lower Upper

77 100

182 23.3 2.0 42.0

105 21.5 0.4 40.4

51 28.3 8.0 48.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.357 min Scan# 2392

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

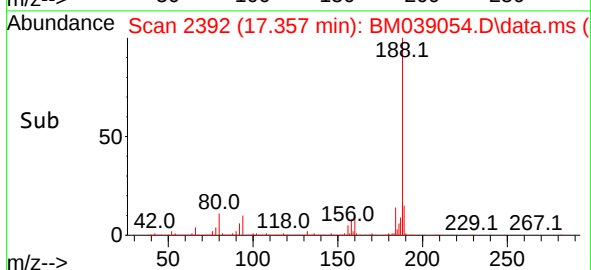
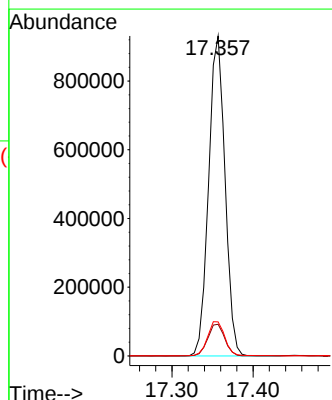
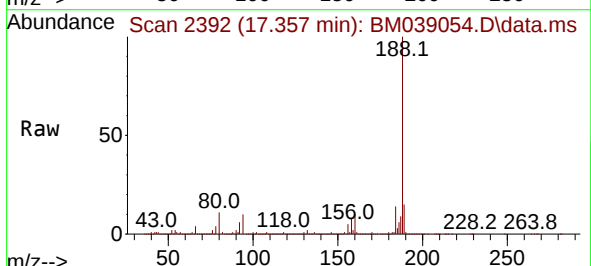
Tgt Ion:188 Resp: 1302502

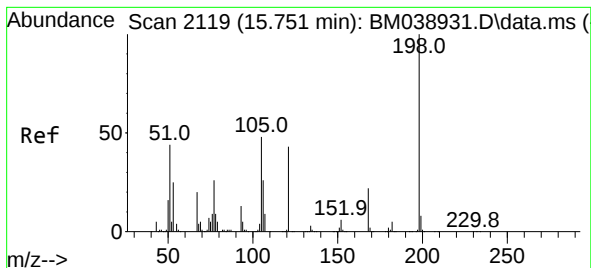
Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.6 8.5 12.7

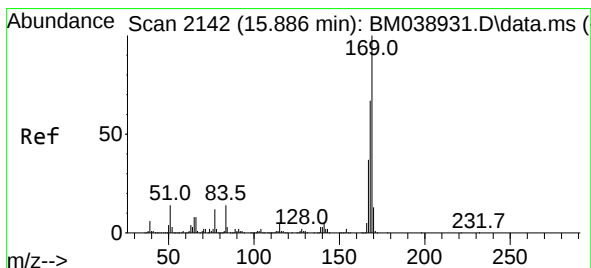
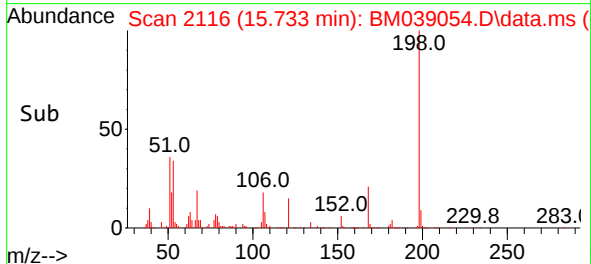
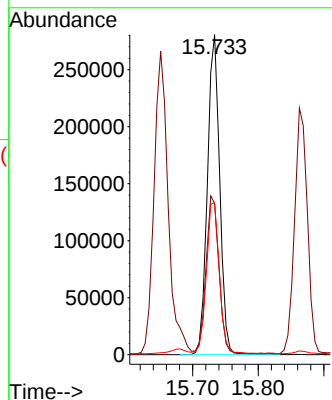
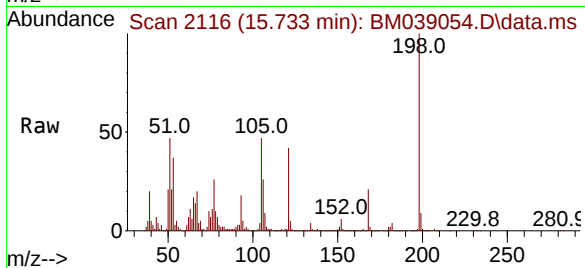




#65
4,6-Dinitro-2-methylphenol
Concen: 43.470 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

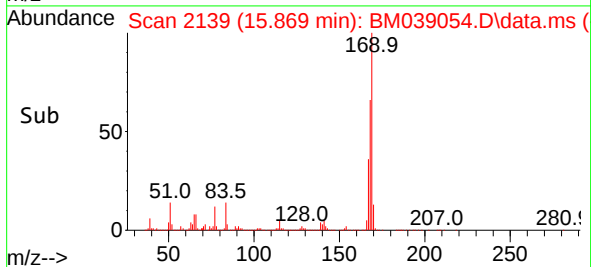
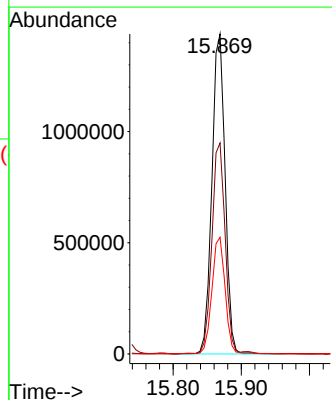
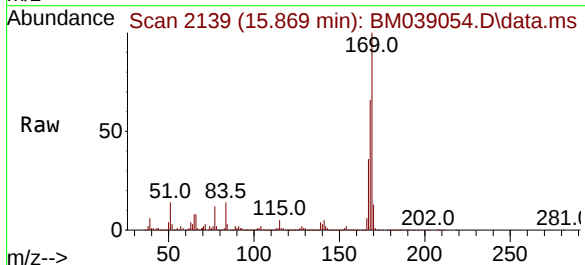
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

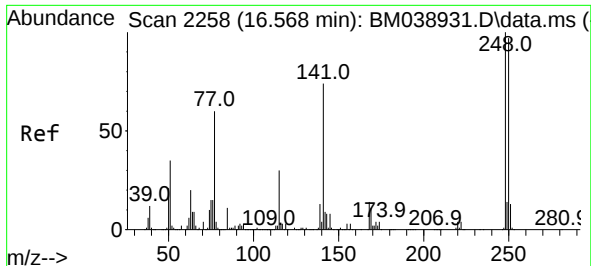
Tgt Ion:198 Resp: 367492
Ion Ratio Lower Upper
198 100
51 47.3 30.1 70.1
105 47.5 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 44.069 ng
RT: 15.869 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:169 Resp: 1935065
Ion Ratio Lower Upper
169 100
168 66.0 53.4 80.0
167 36.5 29.4 44.0

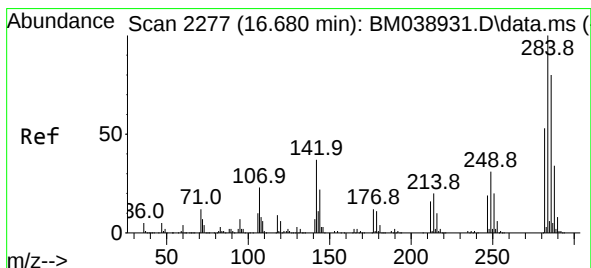
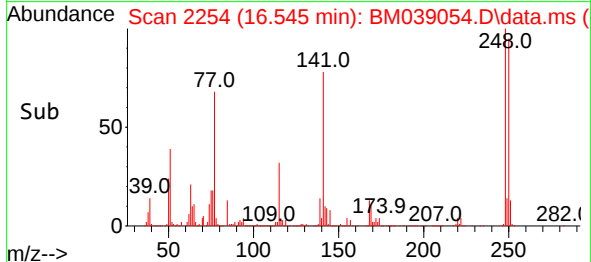
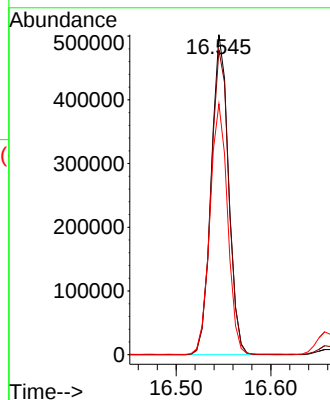
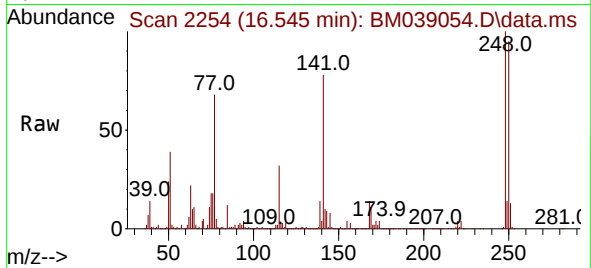




#67
4-Bromophenyl-phenylether
Concen: 45.409 ng
RT: 16.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

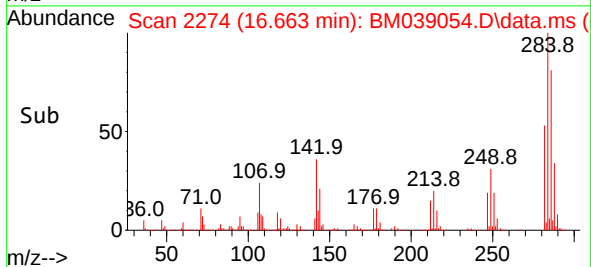
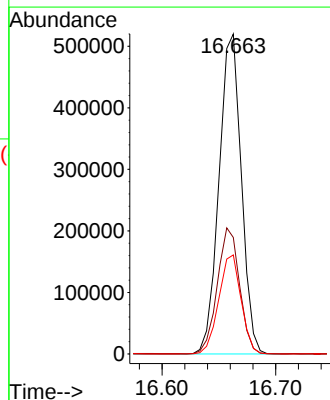
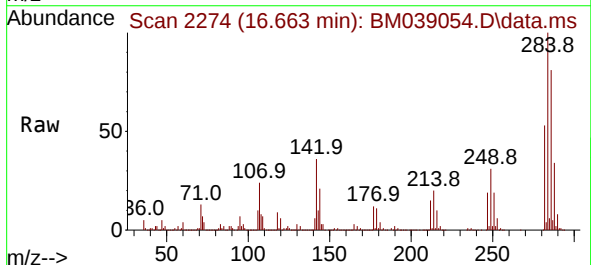
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

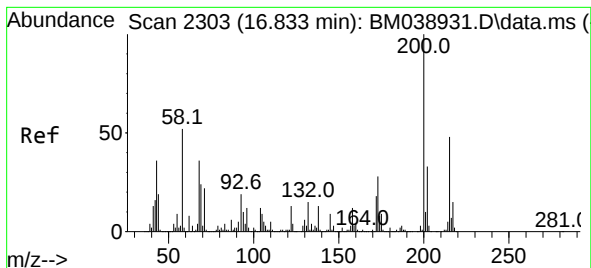
Tgt Ion:248 Resp: 638840
Ion Ratio Lower Upper
248 100
250 95.2 77.8 116.8
141 78.4 59.0 88.4



#68
Hexachlorobenzene
Concen: 45.125 ng
RT: 16.663 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:284 Resp: 709678
Ion Ratio Lower Upper
284 100
142 36.4 29.5 44.3
249 30.9 25.0 37.4





#69

Atrazine

Concen: 51.437 ng

RT: 16.816 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

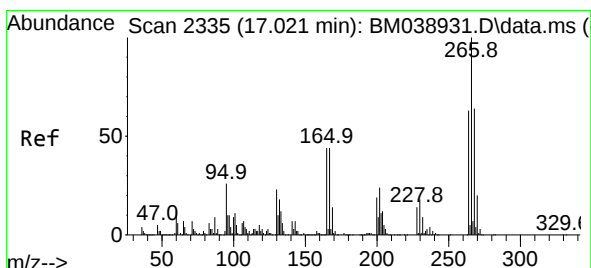
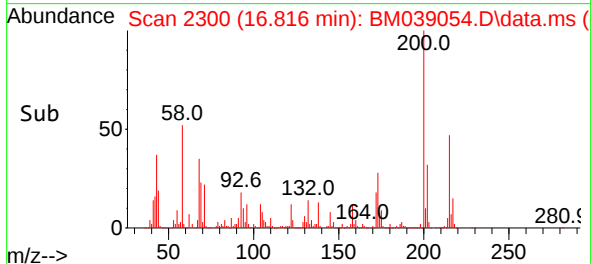
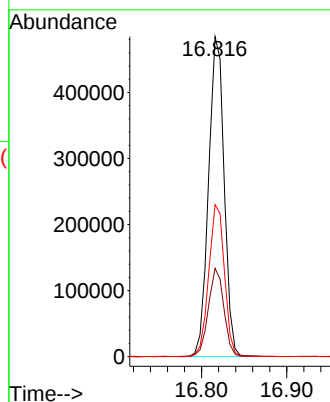
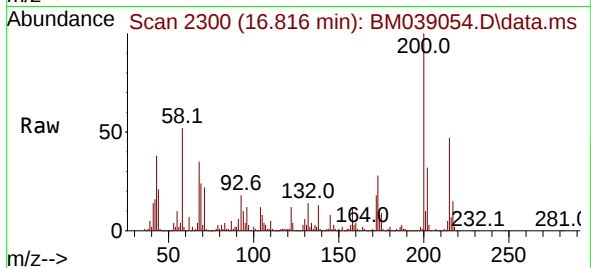
Tgt Ion:200 Resp: 616927

Ion Ratio Lower Upper

200 100

173 27.6 8.2 48.2

215 47.5 27.8 67.8



#70

Pentachlorophenol

Concen: 80.079 ng

RT: 17.004 min Scan# 2332

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

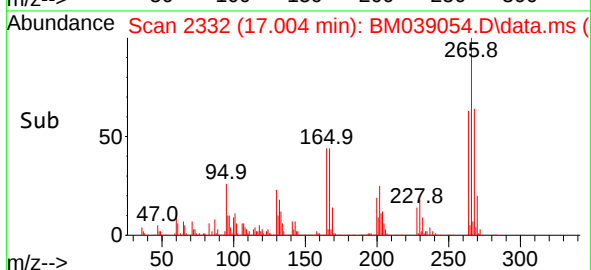
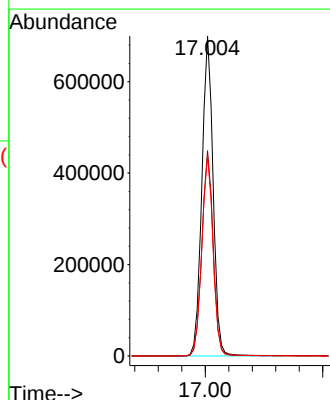
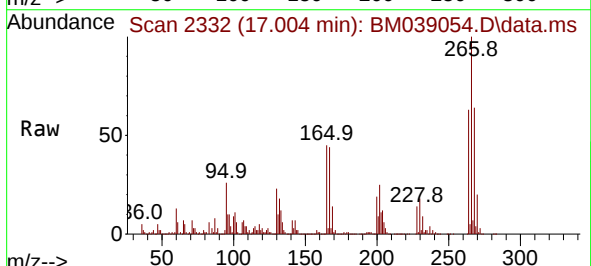
Tgt Ion:266 Resp: 926294

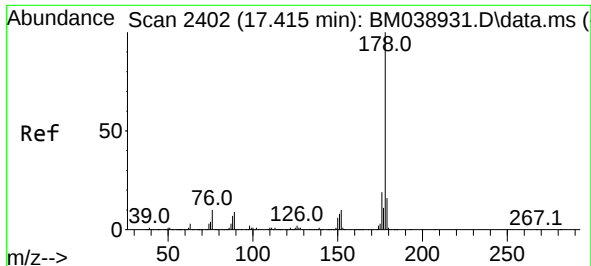
Ion Ratio Lower Upper

266 100

268 64.2 51.0 76.4

264 62.6 50.3 75.5

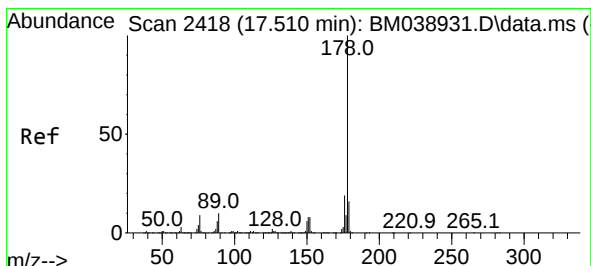
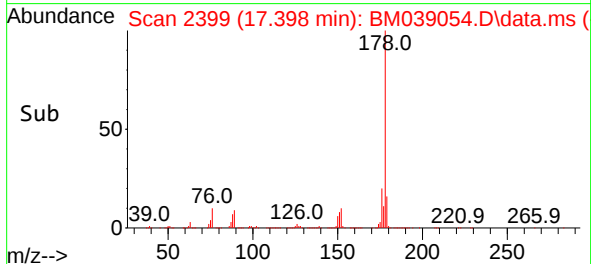
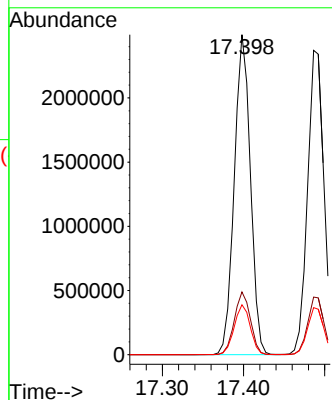
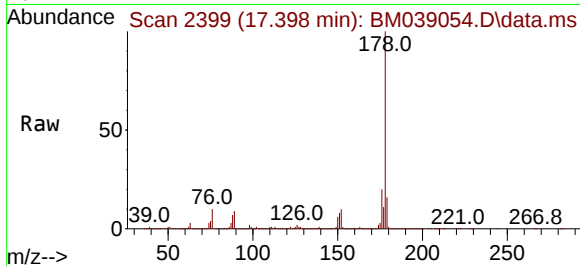




#71
Phenanthrene
Concen: 44.866 ng
RT: 17.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

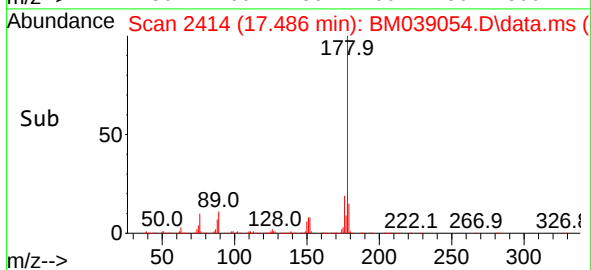
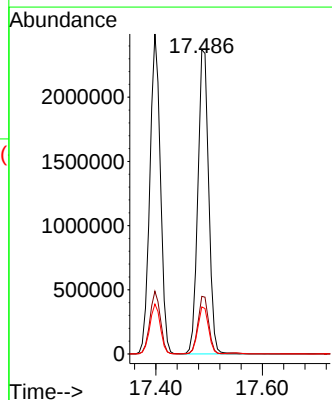
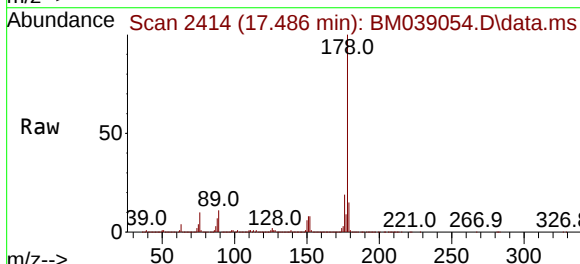
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

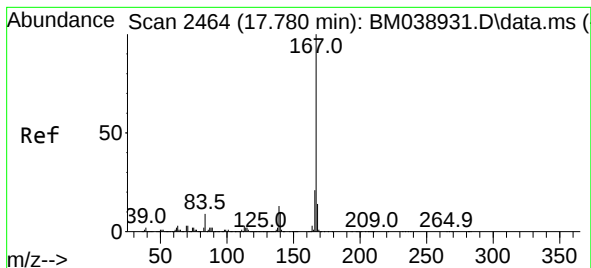
Tgt Ion:178 Resp: 3429738
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.6 12.5 18.7



#72
Anthracene
Concen: 43.899 ng
RT: 17.486 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:178 Resp: 3346622
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.5 18.7





#73

Carbazole

Concen: 44.072 ng

RT: 17.757 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

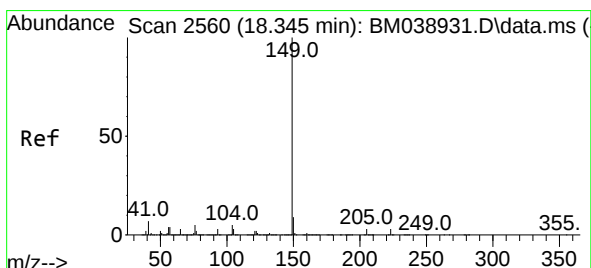
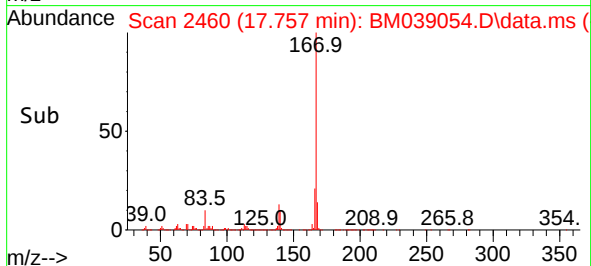
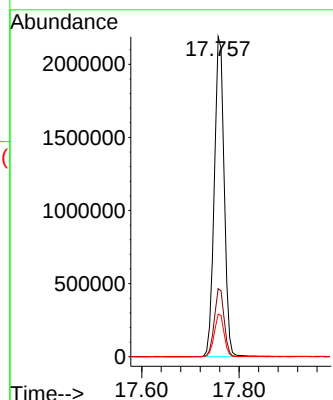
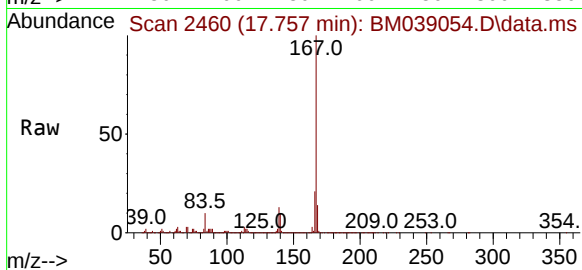
Tgt Ion:167 Resp: 3066358

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

139 13.3 10.3 15.5



#74

Di-n-butylphthalate

Concen: 46.138 ng

RT: 18.321 min Scan# 2556

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

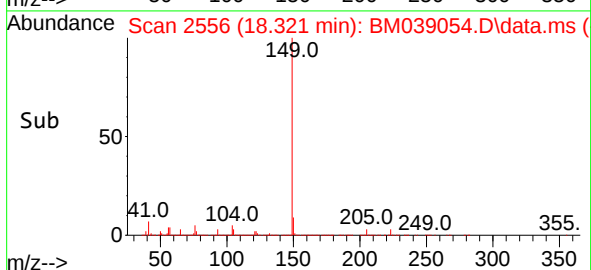
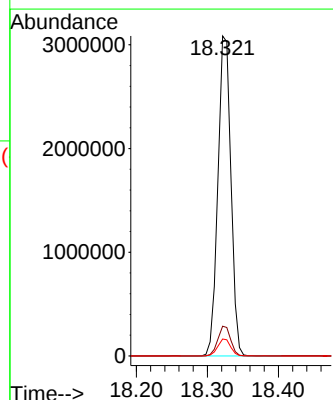
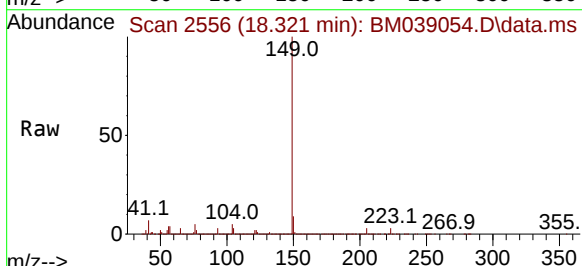
Tgt Ion:149 Resp: 3909194

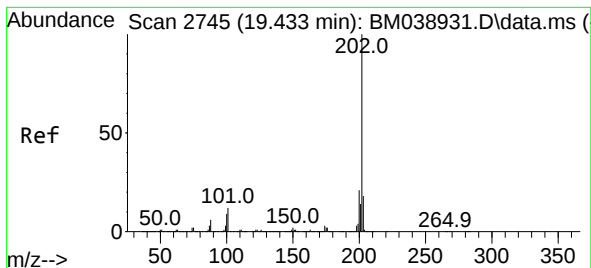
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.3 4.3 6.5





#75

Fluoranthene

Concen: 45.120 ng

RT: 19.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

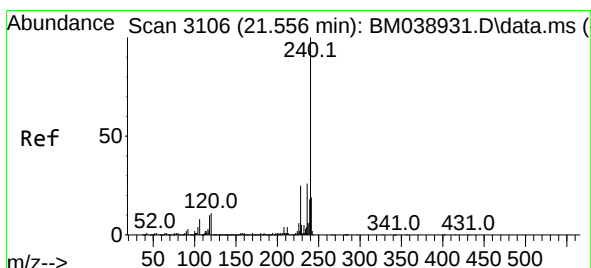
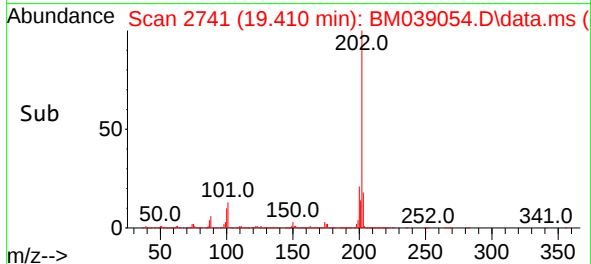
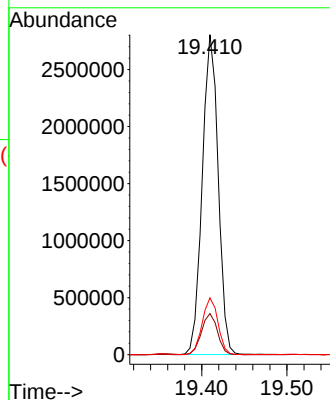
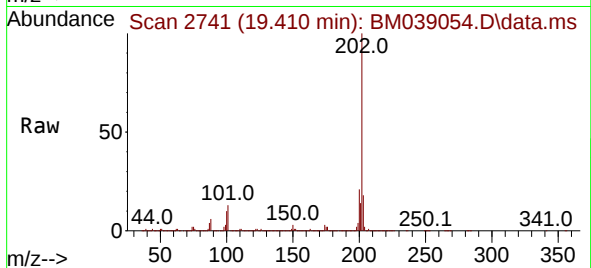
Tgt Ion:202 Resp: 3641758

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.7

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

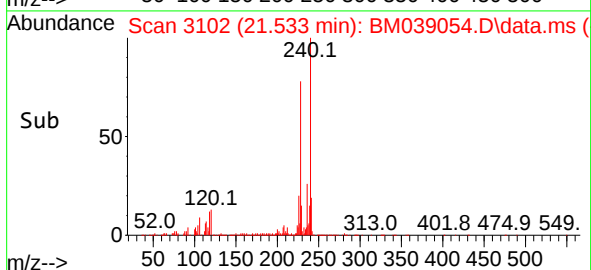
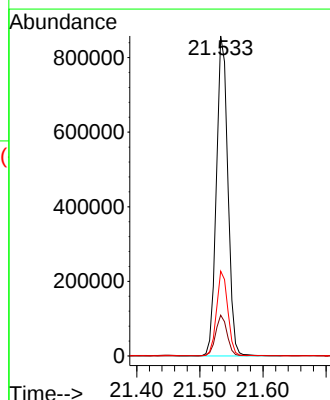
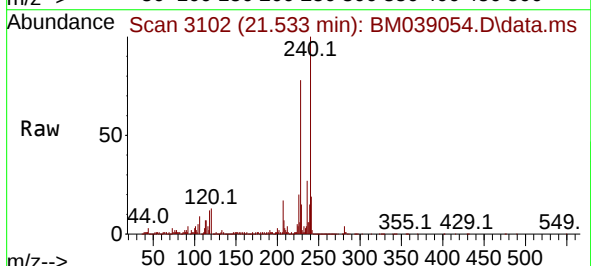
Tgt Ion:240 Resp: 1080157

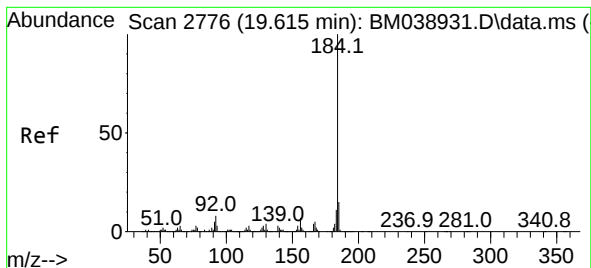
Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 26.5 20.8 31.2





#77

Benzidine

Concen: 57.549 ng

RT: 19.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

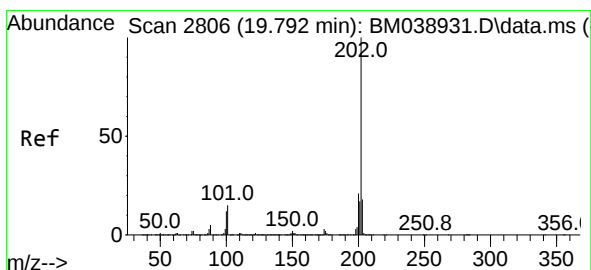
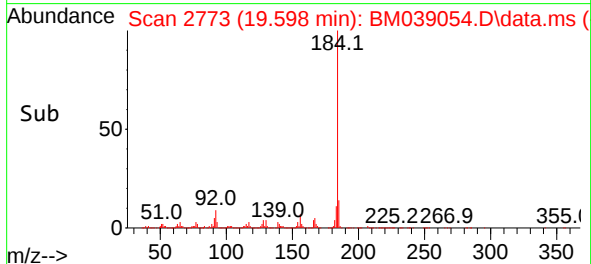
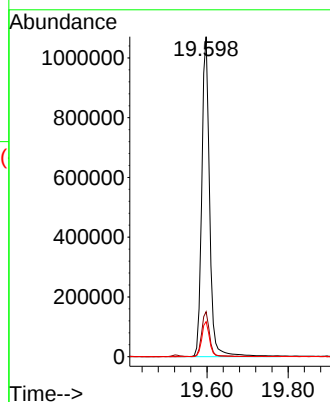
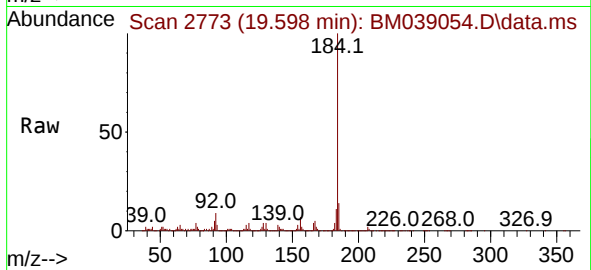
Tgt Ion:184 Resp: 1443522

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.4

183 10.9 8.8 13.2



#78

Pyrene

Concen: 46.441 ng

RT: 19.774 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

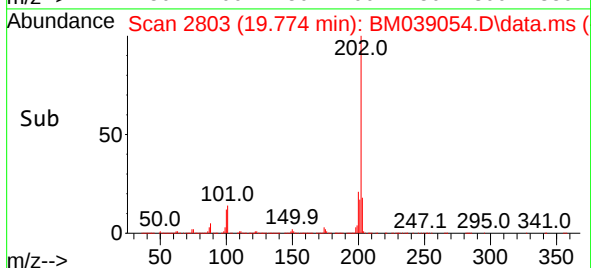
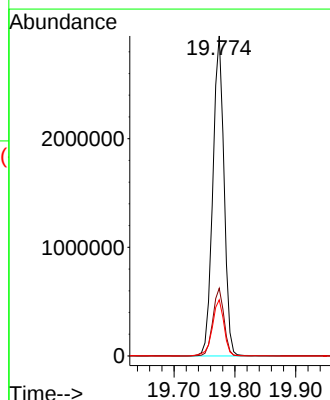
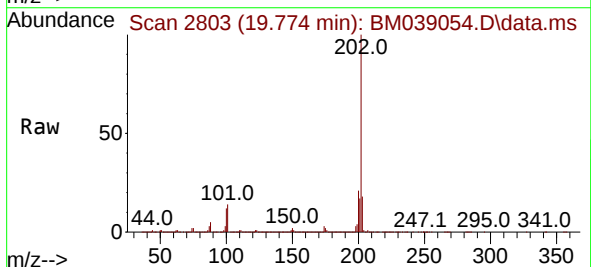
Tgt Ion:202 Resp: 3767671

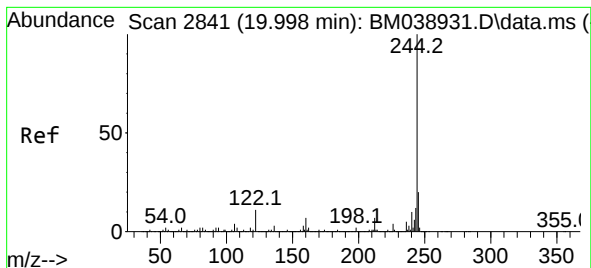
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 64.808 ng

RT: 19.974 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

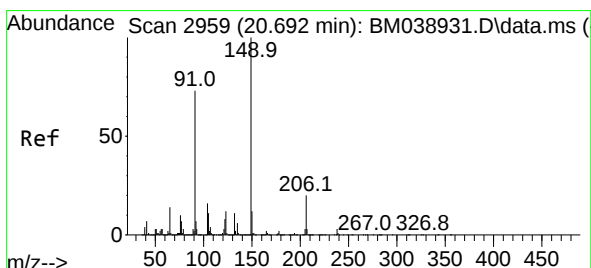
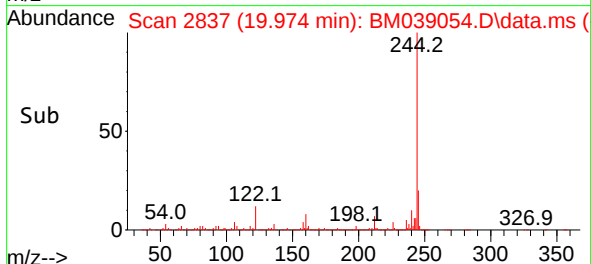
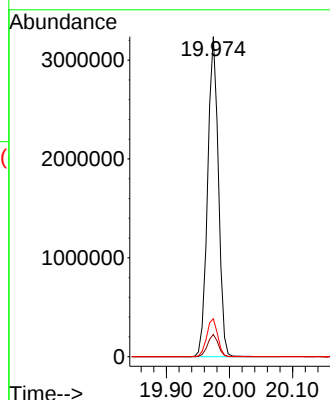
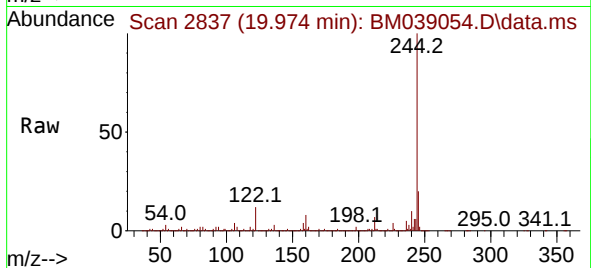
Tgt Ion:244 Resp: 3828752

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.8 9.0 13.4



#80

Butylbenzylphthalate

Concen: 46.742 ng

RT: 20.668 min Scan# 2955

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

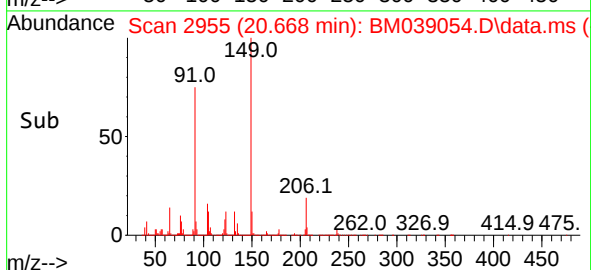
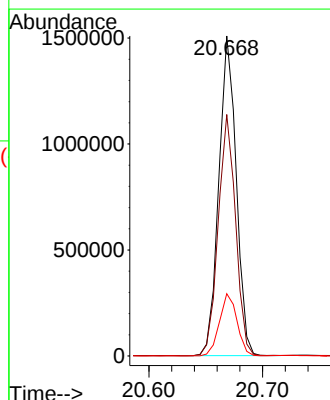
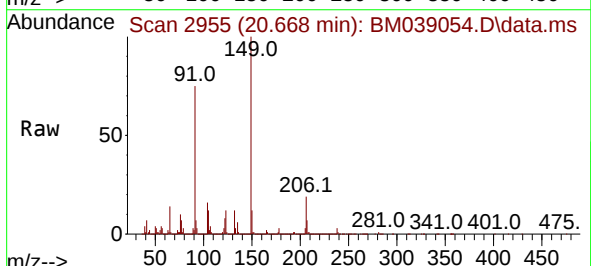
Tgt Ion:149 Resp: 1609186

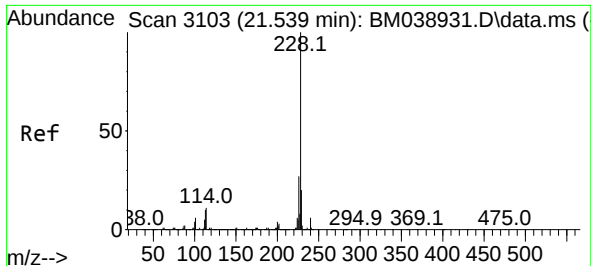
Ion Ratio Lower Upper

149 100

91 75.4 58.4 87.6

206 19.5 16.1 24.1

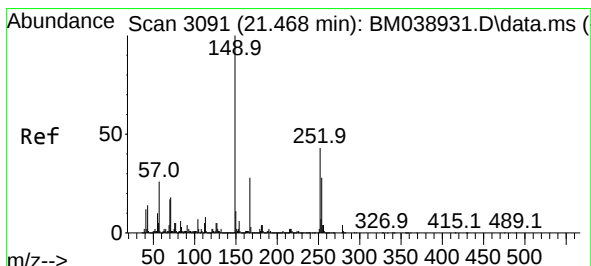
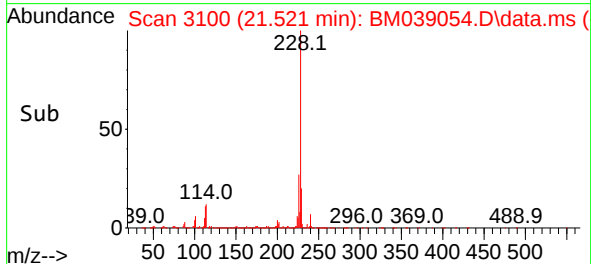
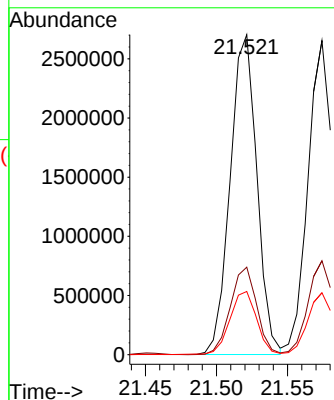
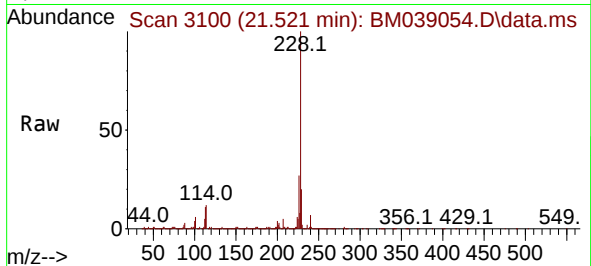




#81
Benzo(a)anthracene
Concen: 45.440 ng
RT: 21.521 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

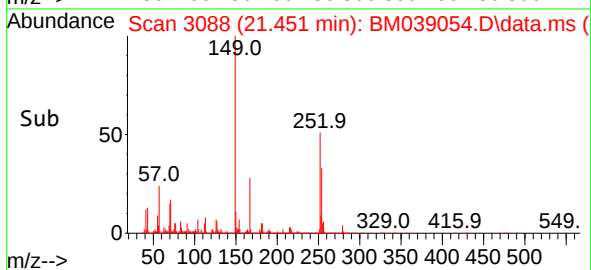
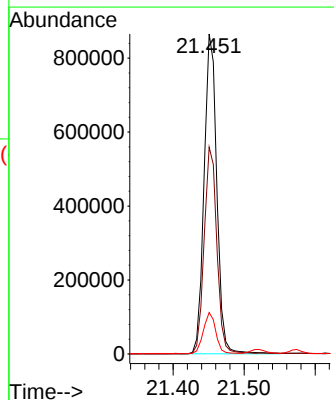
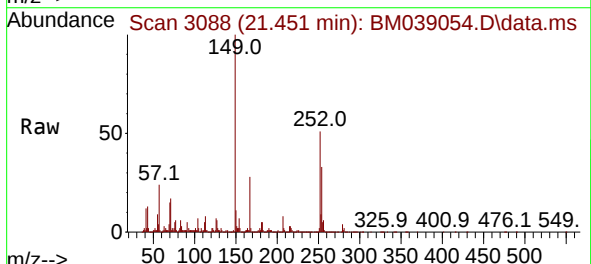
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

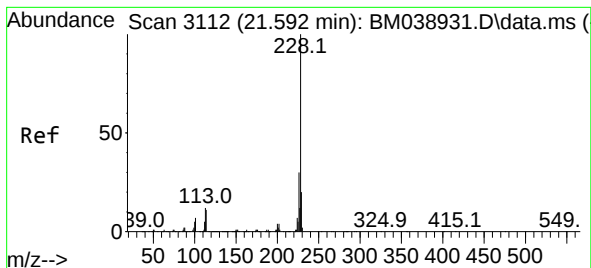
Tgt Ion:228 Resp: 3534679
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 45.195 ng
RT: 21.451 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:252 Resp: 1080469
Ion Ratio Lower Upper
252 100
254 64.6 51.5 77.3
126 12.9 9.9 14.9





#83

Chrysene

Concen: 43.888 ng

RT: 21.574 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

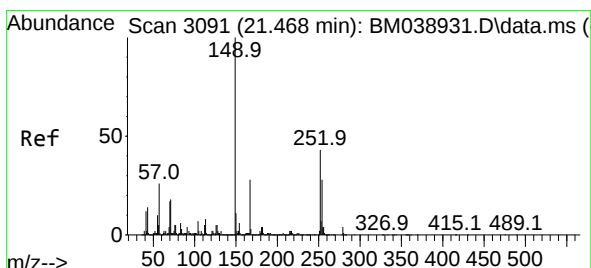
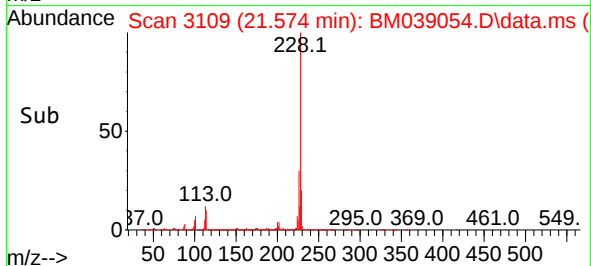
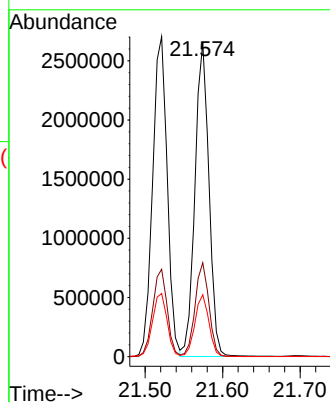
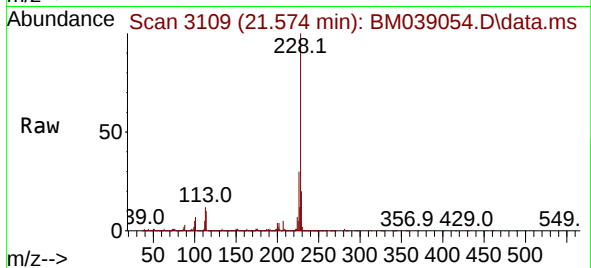
Tgt Ion:228 Resp: 3320382

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 19.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.521 ng

RT: 21.445 min Scan# 3087

Delta R.T. -0.006 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

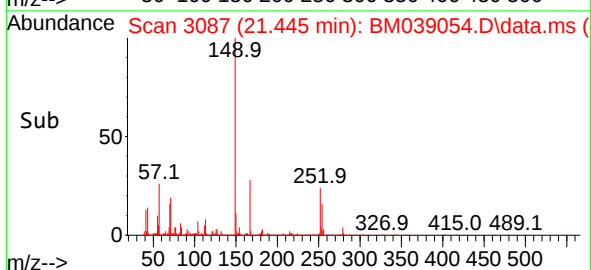
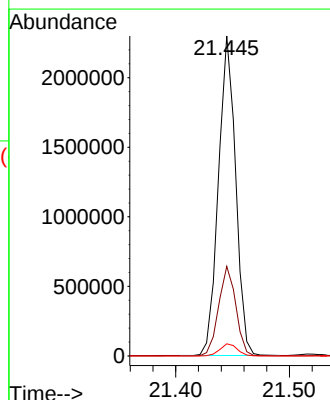
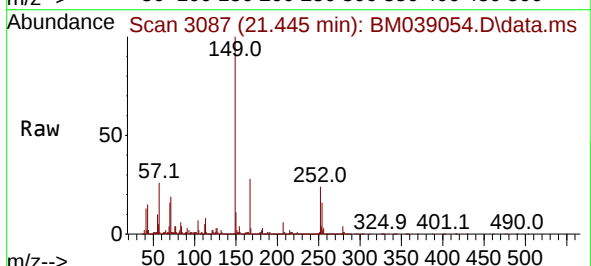
Tgt Ion:149 Resp: 2421477

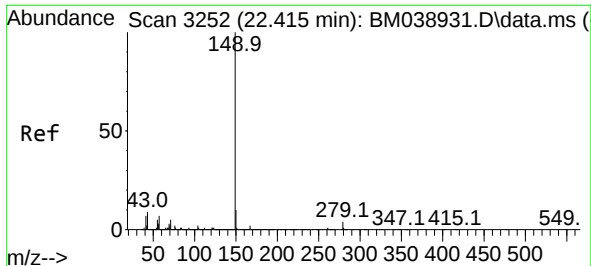
Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

279 3.8 3.2 4.8

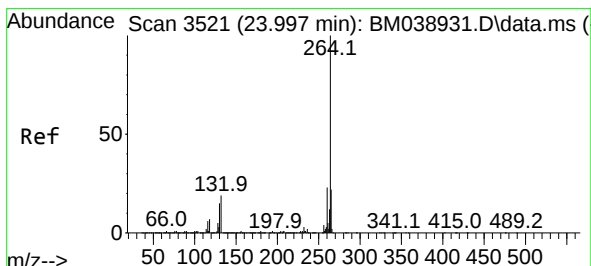
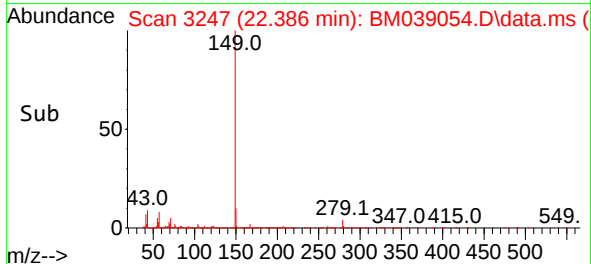
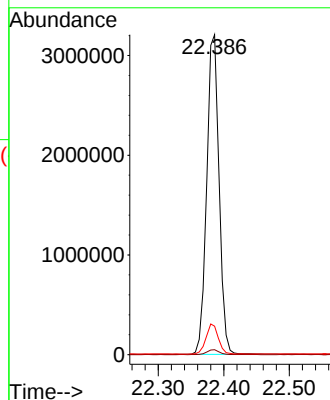
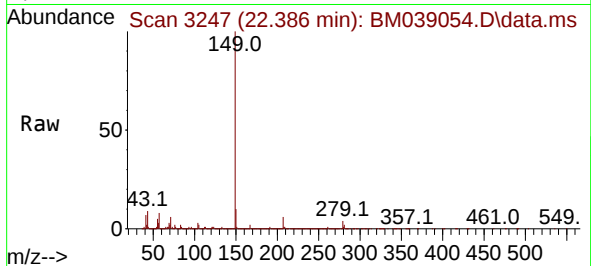




#85
Di-n-octyl phthalate
Concen: 50.585 ng
RT: 22.386 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

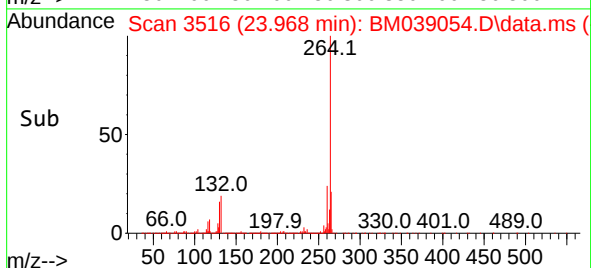
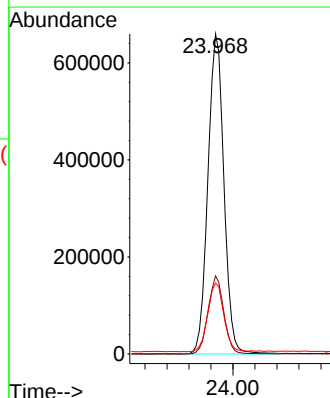
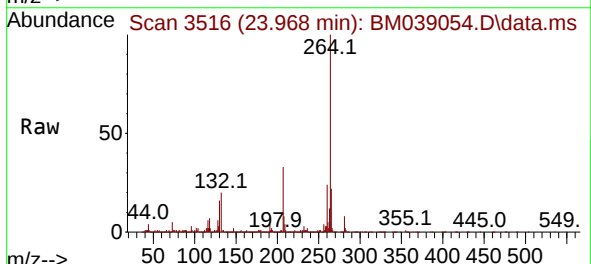
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

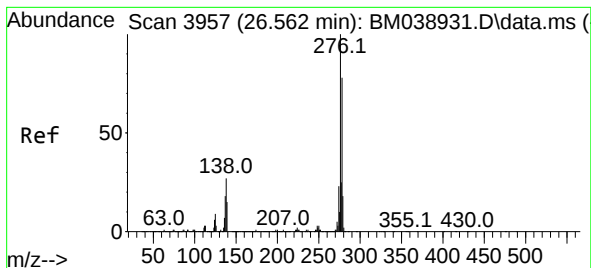
Tgt Ion:149 Resp: 4205338
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.3 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.968 min Scan# 3516
Delta R.T. -0.011 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:264 Resp: 1333682
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 22.2 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.368 ng

RT: 26.509 min Scan# 3948

Delta R.T. -0.011 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

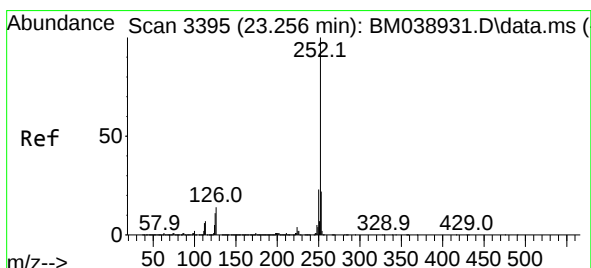
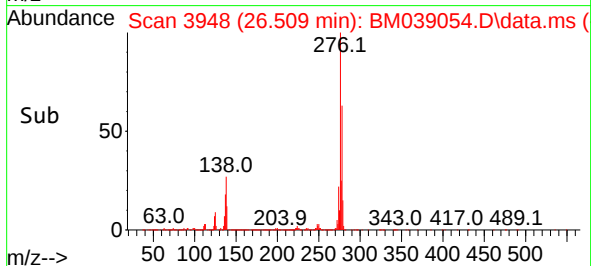
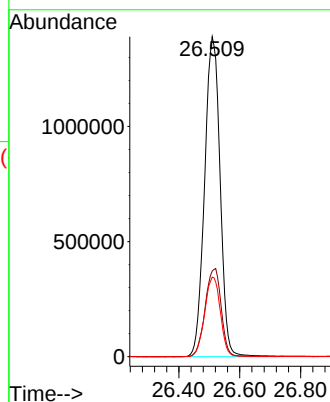
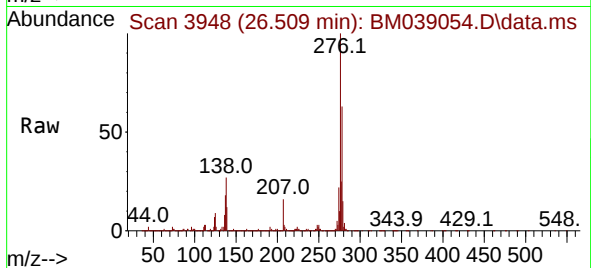
Tgt Ion:276 Resp: 4908549

Ion Ratio Lower Upper

276 100

138 28.6 22.1 33.1

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 45.635 ng

RT: 23.227 min Scan# 3390

Delta R.T. -0.011 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

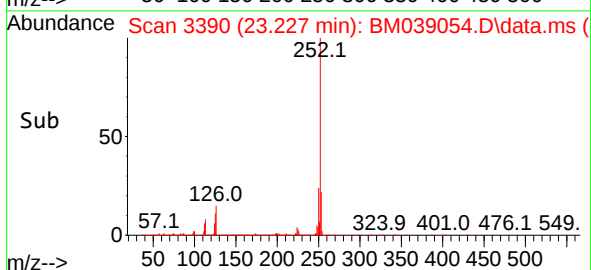
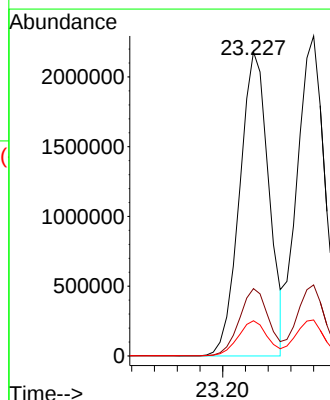
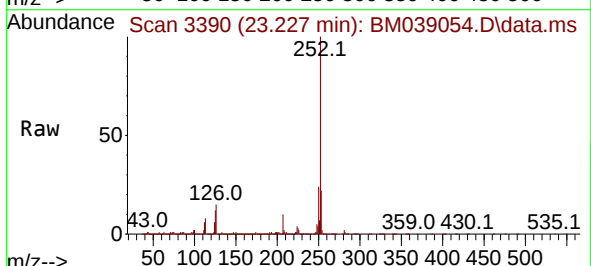
Tgt Ion:252 Resp: 3888346

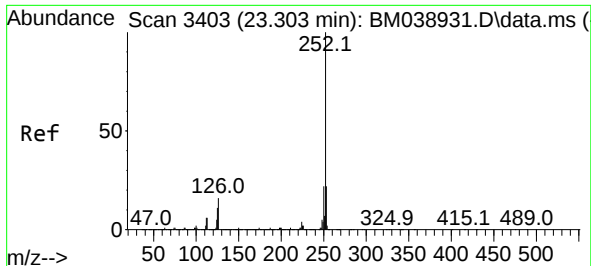
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 11.6 8.8 13.2

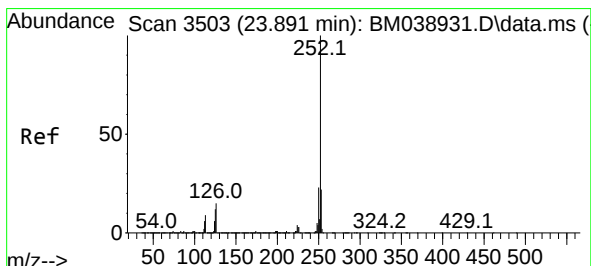
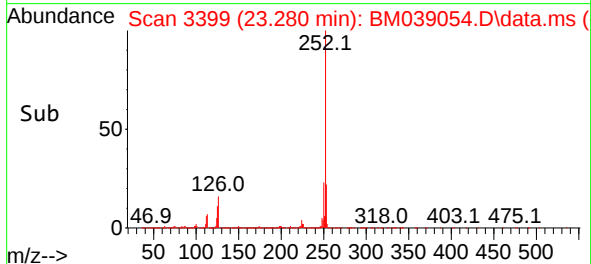
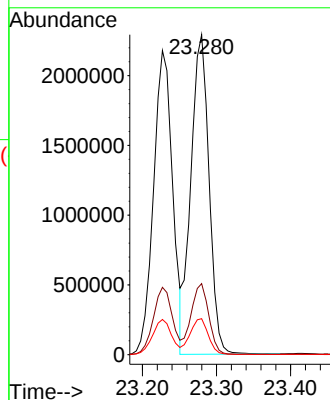
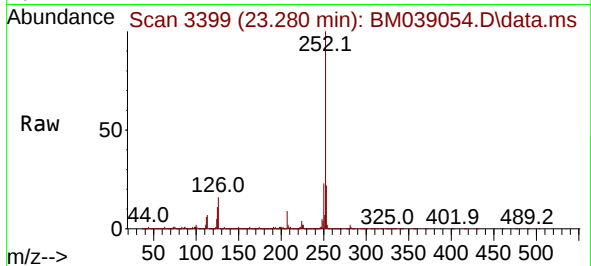




#89
Benzo(k)fluoranthene
Concen: 43.864 ng
RT: 23.280 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

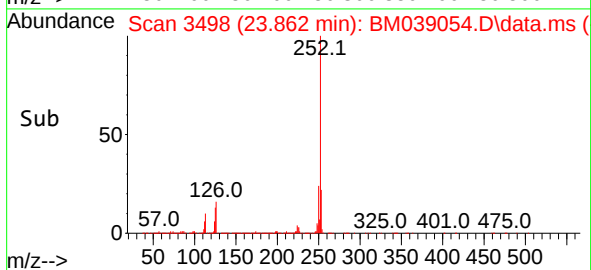
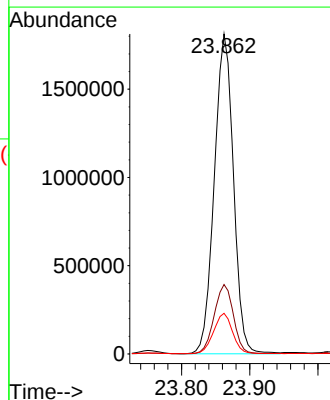
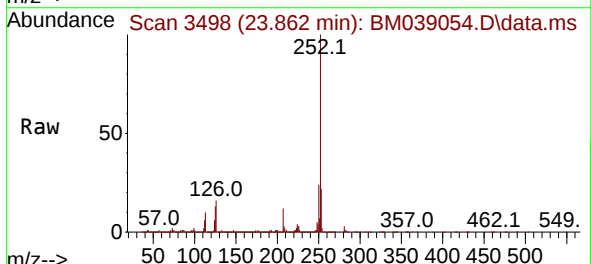
Instrument :
BNA_M
ClientSampleId :
MC-1MSD

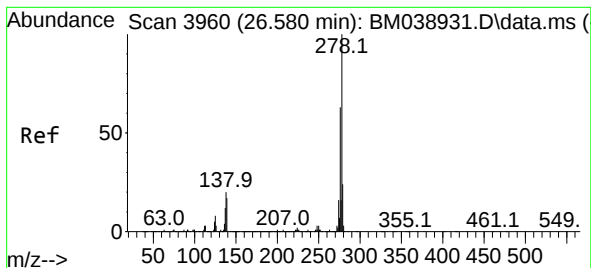
Tgt Ion:252 Resp: 3889543
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.2 8.9 13.3



#90
Benzo(a)pyrene
Concen: 43.212 ng
RT: 23.862 min Scan# 3498
Delta R.T. -0.011 min
Lab File: BM039054.D
Acq: 20 Mar 2023 21:10

Tgt Ion:252 Resp: 3543485
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 12.7 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 47.985 ng

RT: 26.527 min Scan# 3951

Delta R.T. -0.011 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Instrument :

BNA_M

ClientSampleId :

MC-1MSD

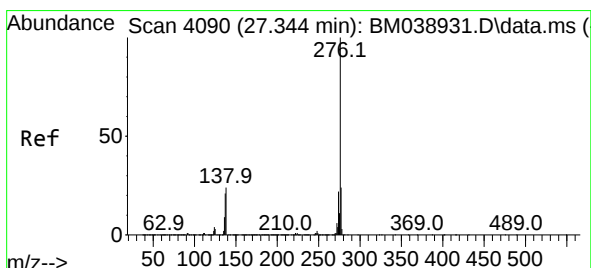
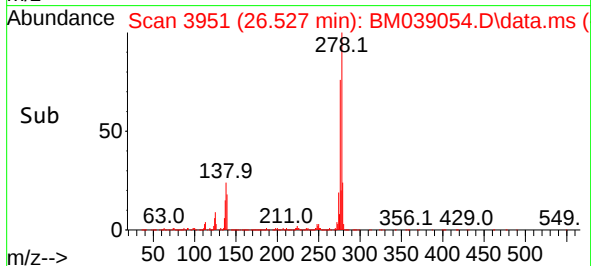
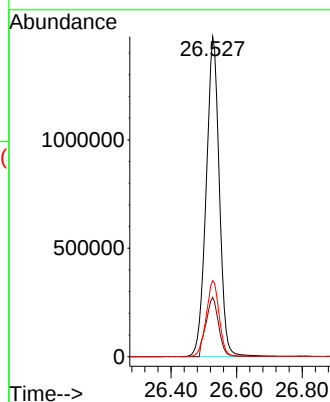
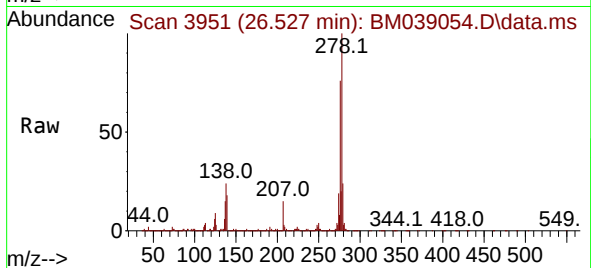
Tgt Ion:278 Resp: 4124042

Ion Ratio Lower Upper

278 100

139 18.5 13.7 20.5

279 23.8 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 47.716 ng

RT: 27.291 min Scan# 4081

Delta R.T. -0.011 min

Lab File: BM039054.D

Acq: 20 Mar 2023 21:10

Tgt Ion:276 Resp: 4012144

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 24.9 19.0 28.6

