

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039096.D
 Acq On : 22 Mar 2023 17:31
 Operator : CG/JU
 Sample : 02002-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 031023-3MS

Quant Time: Mar 23 04:24:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	285046	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1090116	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	600638	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1212342	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1109410	20.000	ng	0.00
86) Perylene-d12	23.962	264	1251608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2469390	131.618	ng	0.00
7) Phenol-d6	7.134	99	2861289	117.412	ng	0.00
23) Nitrobenzene-d5	9.140	82	1990283	89.683	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1015935	146.211	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	3987278	86.419	ng	0.00
79) Terphenyl-d14	19.974	244	5657439	93.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.405	88	358660	42.970	ng	# 42
3) Pyridine	3.810	79	711607	30.741	ng	98
4) n-Nitrosodimethylamine	3.710	42	422257	44.826	ng	97
6) Aniline	7.298	93	725061	22.660	ng	100
8) 2-Chlorophenol	7.528	128	974364	48.781	ng	99
9) Benzaldehyde	7.104	77	293290	25.291	ng	99
10) Phenol	7.157	94	1125128	43.476	ng	99
11) bis(2-Chloroethyl)ether	7.393	93	1038791	49.371	ng	99
12) 1,3-Dichlorobenzene	7.857	146	1050858	49.505	ng	98
13) 1,4-Dichlorobenzene	8.004	146	1077406	49.906	ng	99
14) 1,2-Dichlorobenzene	8.322	146	1033677	49.707	ng	100
15) Benzyl Alcohol	8.210	79	860590	49.269	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1282944	48.280	ng	100
17) 2-Methylphenol	8.416	107	799085	44.949	ng	99
18) Hexachloroethane	9.051	117	406330	51.013	ng	97
19) n-Nitroso-di-n-propyla...	8.781	70	746377	48.625	ng	99
20) 3+4-Methylphenols	8.745	107	1063659	44.810	ng	98
22) Acetophenone	8.798	105	1499042	49.013	ng	# 98
24) Nitrobenzene	9.181	77	1106113	47.420	ng	99
25) Isophorone	9.710	82	2009763	49.212	ng	100
26) 2-Nitrophenol	9.892	139	507201	49.168	ng	97
27) 2,4-Dimethylphenol	9.951	122	885644	49.771	ng	98
28) bis(2-Chloroethoxy)met...	10.192	93	1253799	47.781	ng	99
29) 2,4-Dichlorophenol	10.428	162	852182	50.513	ng	100
30) 1,2,4-Trichlorobenzene	10.645	180	893266	48.453	ng	100
31) Naphthalene	10.834	128	2920261	46.979	ng	100
32) Benzoic acid	10.087	122	593915	45.790	ng	98
33) 4-Chloroaniline	10.951	127	351650	13.274	ng	99
34) Hexachlorobutadiene	11.116	225	508791	48.126	ng	99
35) Caprolactam	11.739	113	234392	45.649	ng	97
36) 4-Chloro-3-methylphenol	12.063	107	889134	49.494	ng	98
37) 2-Methylnaphthalene	12.439	142	1909076	45.822	ng	99
38) 1-Methylnaphthalene	12.657	142	1776876	45.510	ng	100
40) 1,2,4,5-Tetrachloroben...	12.804	216	948267	48.563	ng	99
41) Hexachlorocyclopentadiene	12.786	237	1107230	103.303	ng	99
43) 2,4,6-Trichlorophenol	13.045	196	638792	50.520	ng	99

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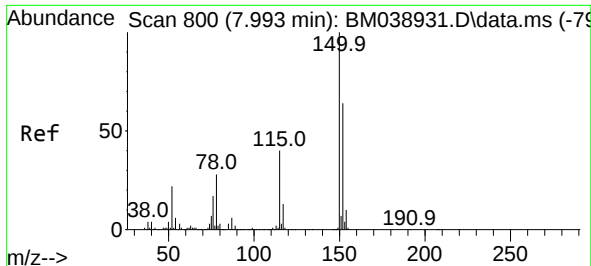
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	693737	46.873	ng	97
46) 1,1'-Biphenyl	13.445	154	2480003	48.738	ng	100
47) 2-Chloronaphthalene	13.486	162	1879863	48.992	ng	99
48) 2-Nitroaniline	13.692	65	610964	49.652	ng	96
49) Acenaphthylene	14.333	152	2969996	48.594	ng	100
50) Dimethylphthalate	14.069	163	2281437	49.362	ng	99
51) 2,6-Dinitrotoluene	14.186	165	500989	48.972	ng	99
52) Acenaphthene	14.674	154	1789301	47.637	ng	99
53) 3-Nitroaniline	14.516	138	526974	44.231	ng	97
54) 2,4-Dinitrophenol	14.722	184	671521	112.076	ng	90
55) Dibenzofuran	15.004	168	2798117	47.605	ng	99
56) 4-Nitrophenol	14.822	139	931939	101.528	ng	99
57) 2,4-Dinitrotoluene	14.969	165	681031	50.515	ng	99
58) Fluorene	15.657	166	2259216	49.068	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	587846	51.501	ng	99
60) Diethylphthalate	15.427	149	2299357	51.130	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	1084783	47.958	ng	97
62) 4-Nitroaniline	15.680	138	580967	47.777	ng	97
63) Azobenzene	15.939	77	2356789	49.529	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	404166	50.439	ng	93
66) n-Nitrosodiphenylamine	15.863	169	1930155	47.226	ng	99
67) 4-Bromophenyl-phenylether	16.539	248	634837	48.481	ng	95
68) Hexachlorobenzene	16.657	284	730246	49.885	ng	99
69) Atrazine	16.816	200	598049	53.571	ng	98
70) Pentachlorophenol	17.004	266	1004022	93.253	ng	99
71) Phenanthrene	17.398	178	3419693	48.061	ng	100
72) Anthracene	17.486	178	3458105	48.735	ng	100
73) Carbazole	17.757	167	3312350	51.148	ng	99
74) Di-n-butylphthalate	18.321	149	4013684	50.709	ng	99
75) Fluoranthene	19.409	202	3774429	50.241	ng	99
77) Benzidine	19.598	184	828303	34.303	ng	98
78) Pyrene	19.768	202	3998874	47.991	ng	100
80) Butylbenzylphthalate	20.668	149	1818153	51.087	ng	98
81) Benzo(a)anthracene	21.515	228	3898443	48.795	ng	99
82) 3,3'-Dichlorobenzidine	21.451	252	988491	40.257	ng	99
83) Chrysene	21.574	228	3685874	47.435	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	2691033	52.296	ng	100
85) Di-n-octyl phthalate	22.380	149	4713827	54.860	ng	99
87) Indeno(1,2,3-cd)pyrene	26.503	276	4919781	51.658	ng	99
88) Benzo(b)fluoranthene	23.227	252	4222077	52.802	ng	99
89) Benzo(k)fluoranthene	23.274	252	3957396	47.556	ng	100
90) Benzo(a)pyrene	23.856	252	3582603	46.554	ng	100
91) Dibenzo(a,h)anthracene	26.521	278	4163066	51.616	ng	98
92) Benzo(g,h,i)perylene	27.285	276	4052925	51.362	ng	99

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

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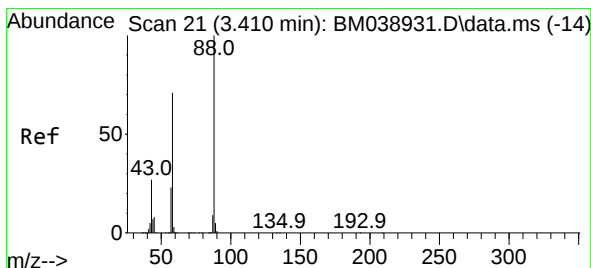
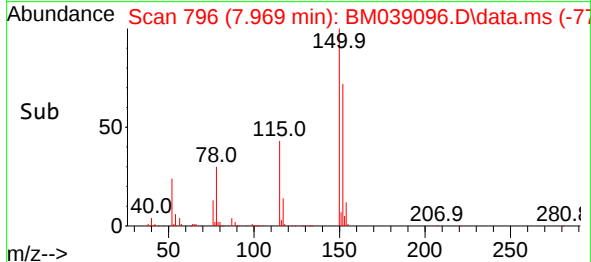
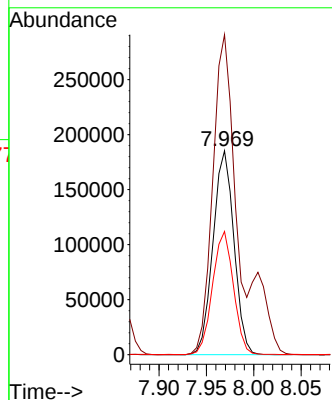
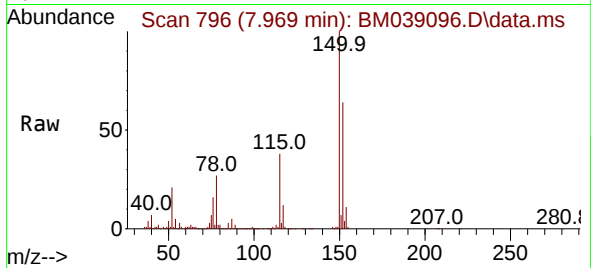




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

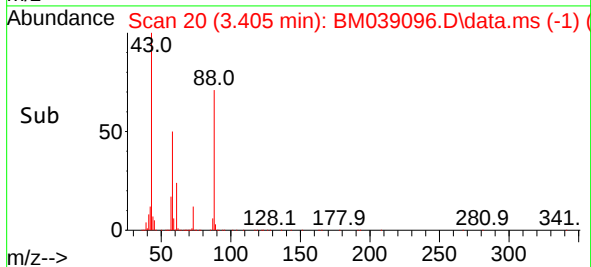
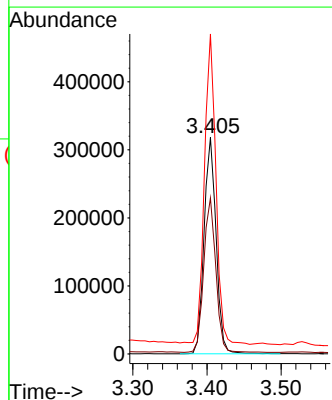
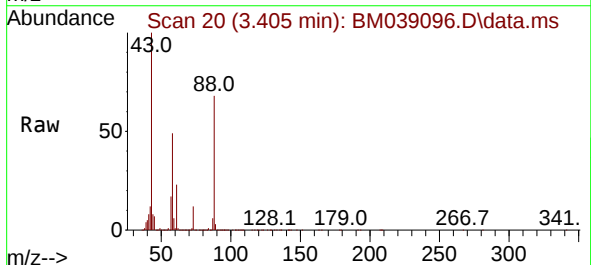
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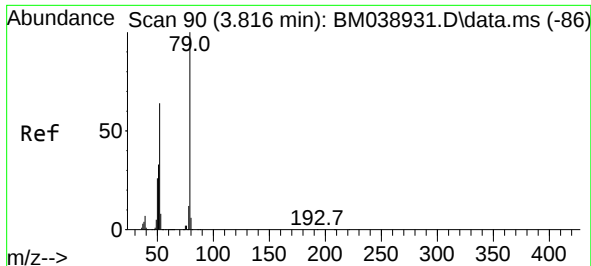
Tgt Ion:152 Resp: 285046
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.1 187.7
 115 60.4 49.6 74.4



#2
 1,4-Dioxane
 Concen: 42.970 ng
 RT: 3.405 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

Tgt Ion: 88 Resp: 358660
 Ion Ratio Lower Upper
 88 100
 58 71.7 57.2 85.8
 43 136.4 22.0 33.0#

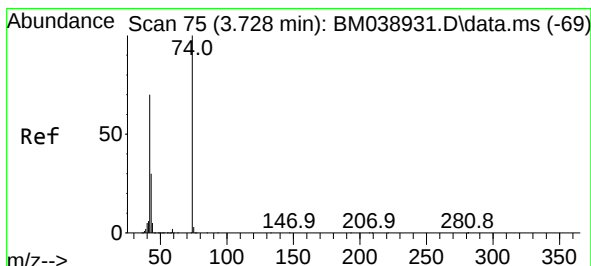
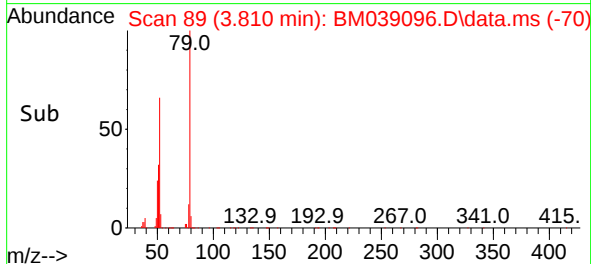
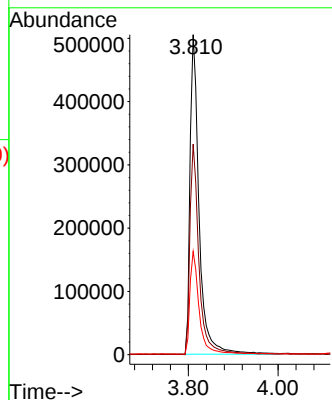
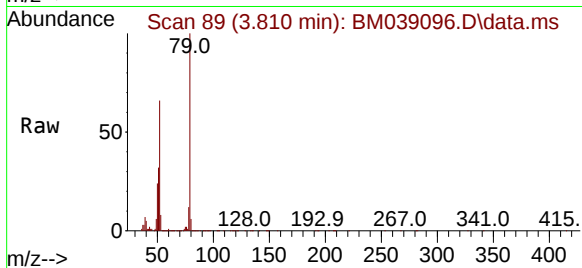




#3
 Pyridine
 Concen: 30.741 ng
 RT: 3.810 min Scan# 89
 Delta R.T. 0.012 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

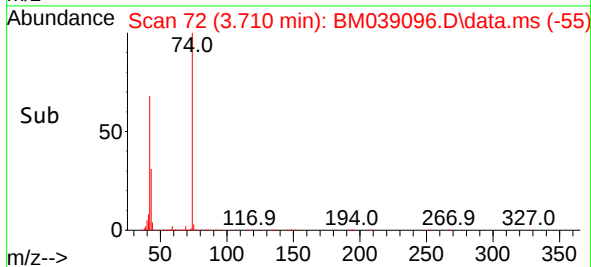
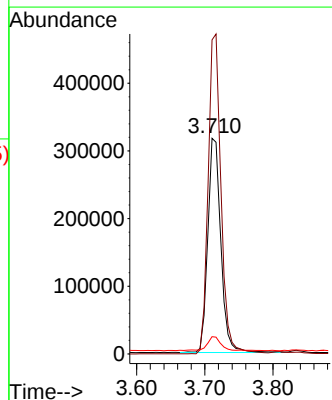
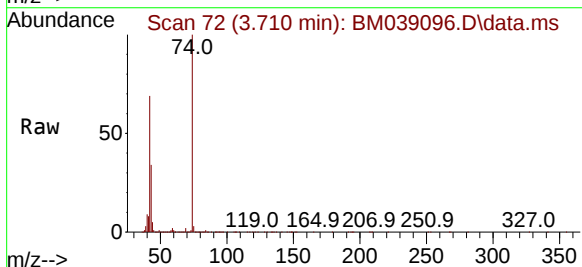
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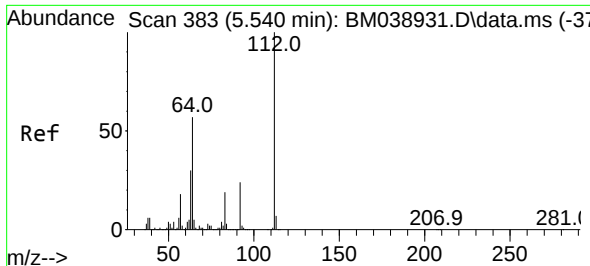
Tgt Ion: 79 Resp: 711607
 Ion Ratio Lower Upper
 79 100
 52 65.8 51.4 77.2
 51 32.3 26.6 40.0



#4
 n-Nitrosodimethylamine
 Concen: 44.826 ng
 RT: 3.710 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

Tgt Ion: 42 Resp: 422257
 Ion Ratio Lower Upper
 42 100
 74 145.7 113.8 170.8
 44 8.0 6.2 9.2

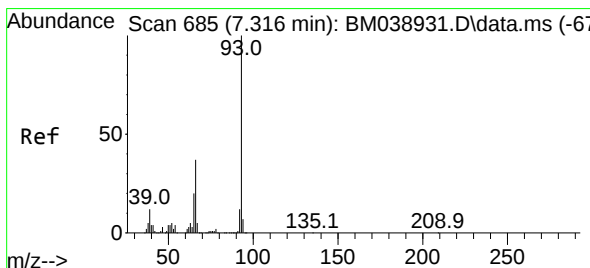
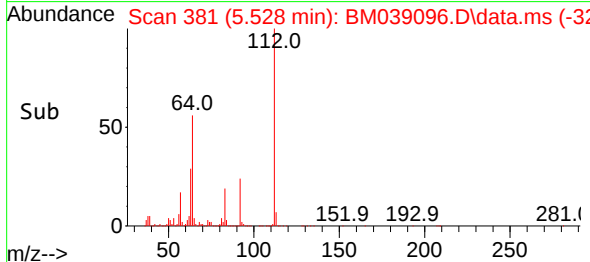
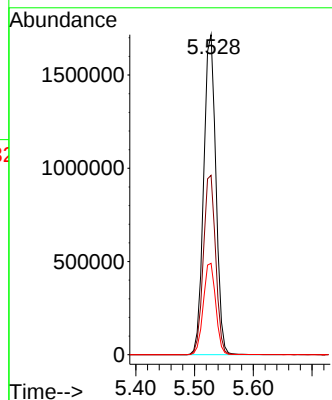
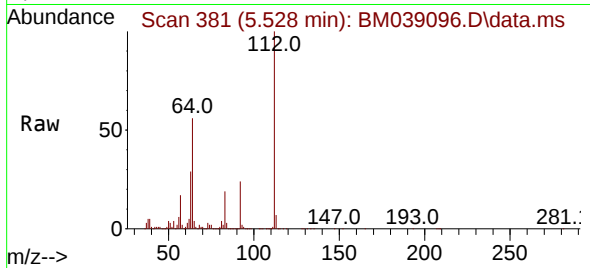




#5
2-Fluorophenol
Concen: 131.618 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

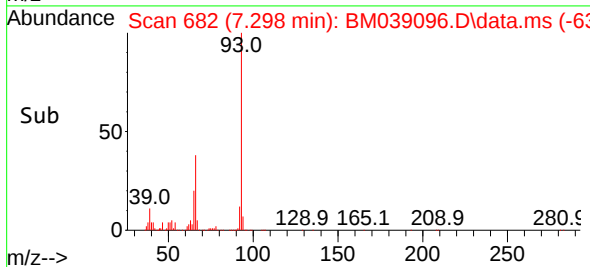
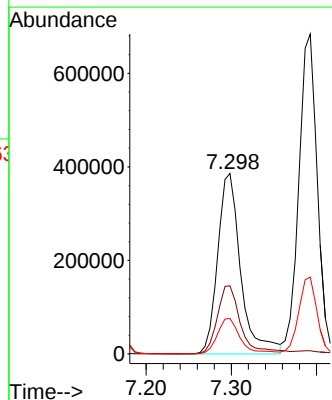
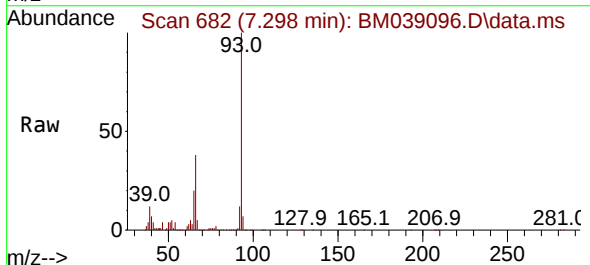
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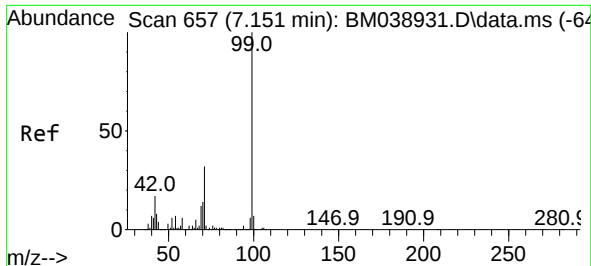
Tgt Ion:112 Resp: 2469390
Ion Ratio Lower Upper
112 100
64 56.0 45.9 68.9
63 28.6 23.8 35.8



#6
Aniline
Concen: 22.660 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 93 Resp: 725061
Ion Ratio Lower Upper
93 100
66 37.7 30.0 45.0
65 19.6 15.8 23.6

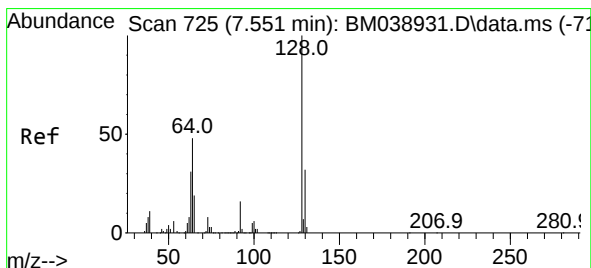
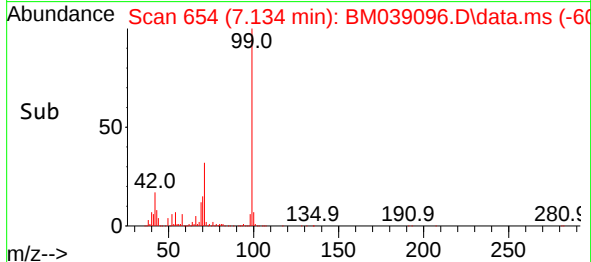
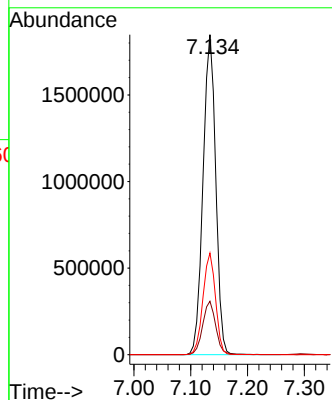
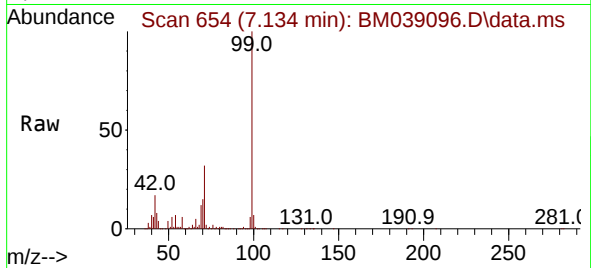




#7
Phenol-d6
Concen: 117.412 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

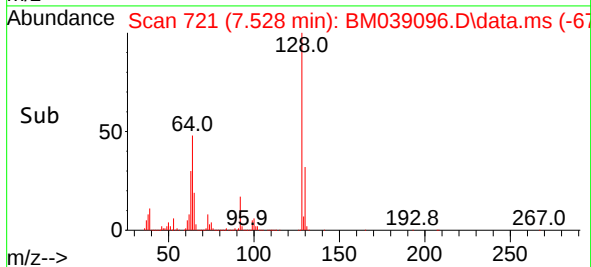
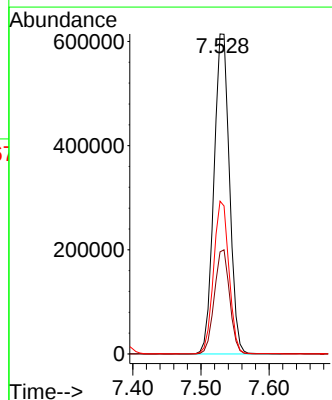
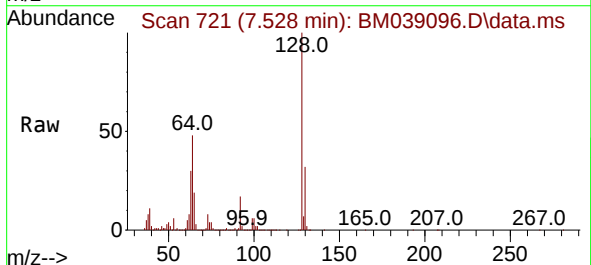
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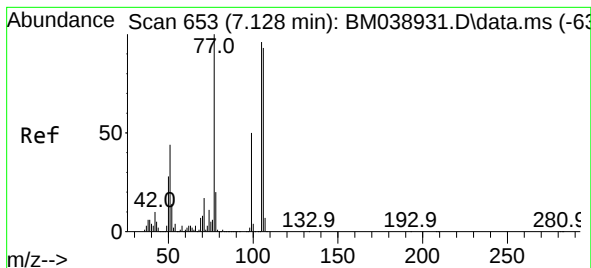
Tgt Ion: 99 Resp: 2861289
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 48.781 ng
RT: 7.528 min Scan# 721
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 128 Resp: 974364
Ion Ratio Lower Upper
128 100
130 31.9 11.9 51.9
64 47.7 28.6 68.6





#9

Benzaldehyde

Concen: 25.291 ng

RT: 7.104 min Scan# 64

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

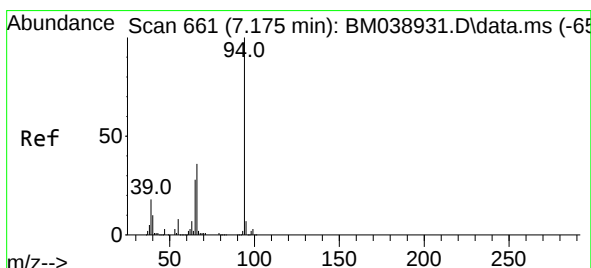
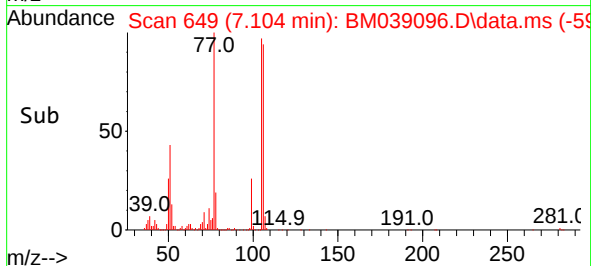
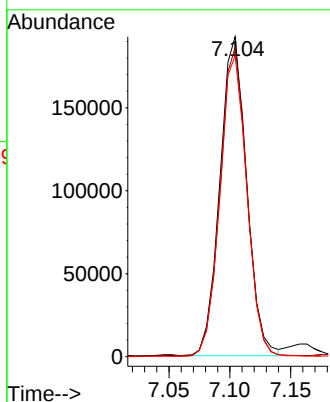
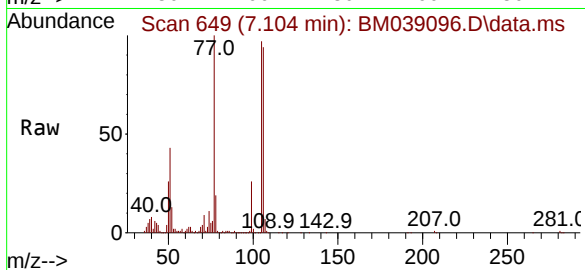
Tgt Ion: 77 Resp: 293290

Ion Ratio Lower Upper

77 100

105 96.6 75.8 115.8

106 94.1 72.6 112.6



#10

Phenol

Concen: 43.476 ng

RT: 7.157 min Scan# 658

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

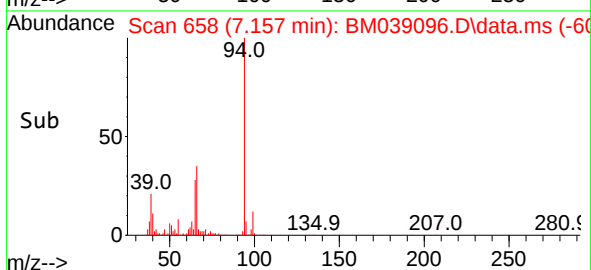
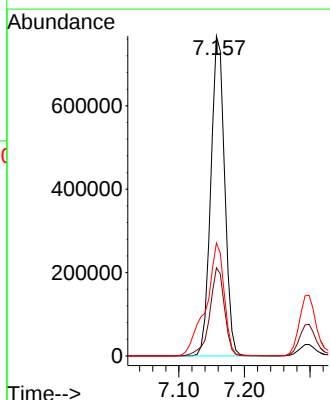
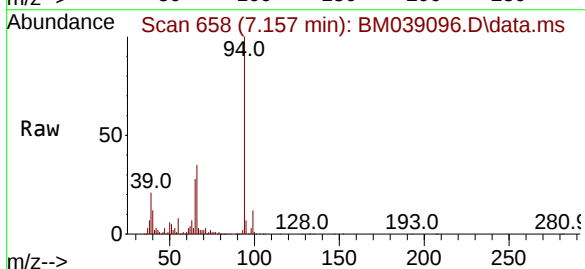
Tgt Ion: 94 Resp: 1125128

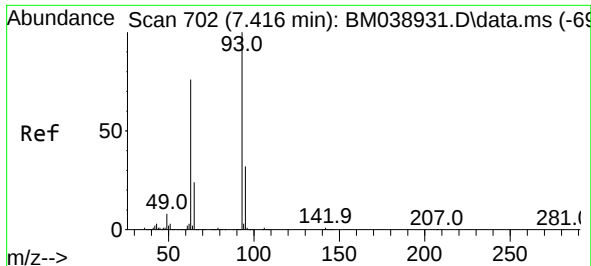
Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

66 35.3 15.8 55.8

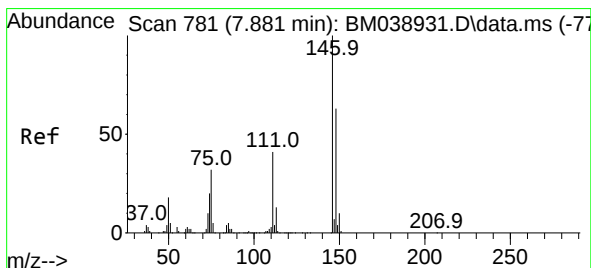
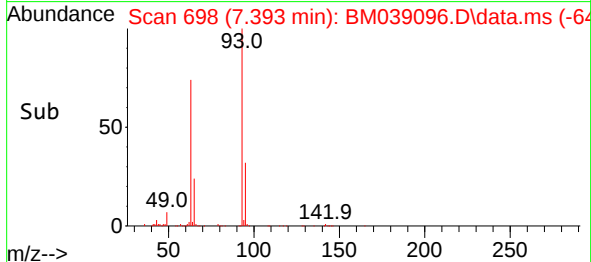
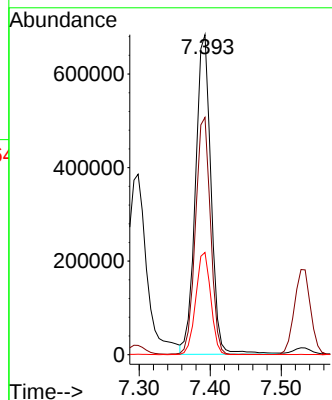
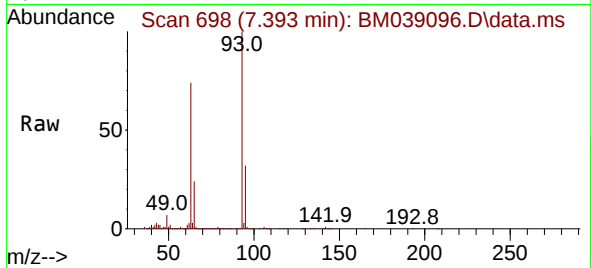




#11
bis(2-Chloroethyl)ether
Concen: 49.371 ng
RT: 7.393 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

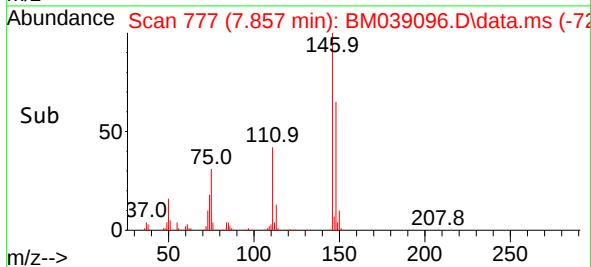
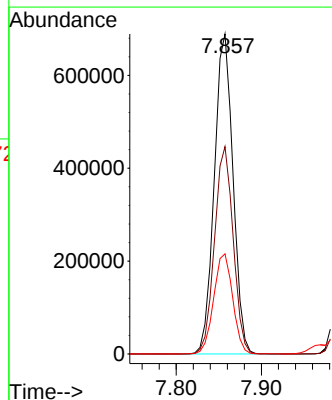
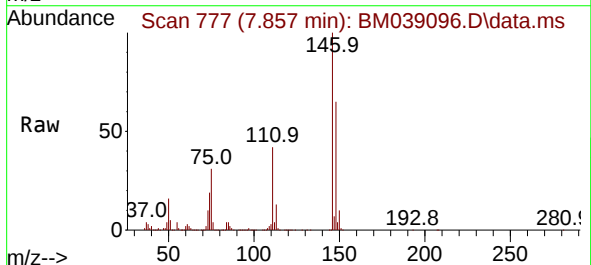
Instrument :
BNA_M
ClientSampleId :
031023-3MS

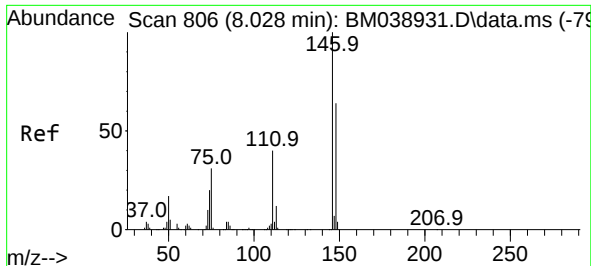
Tgt Ion: 93 Resp: 1038791
Ion Ratio Lower Upper
93 100
63 74.2 55.8 95.8
95 31.9 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 49.505 ng
RT: 7.857 min Scan# 777
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 146 Resp: 1050858
Ion Ratio Lower Upper
146 100
148 64.8 50.6 75.8
75 31.3 26.0 39.0





#13

1,4-Dichlorobenzene

Concen: 49.906 ng

RT: 8.004 min Scan# 80

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

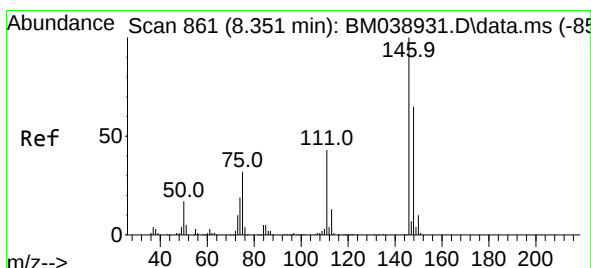
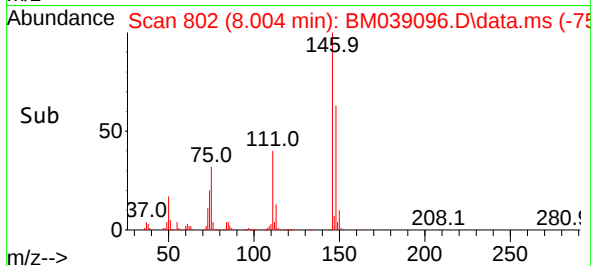
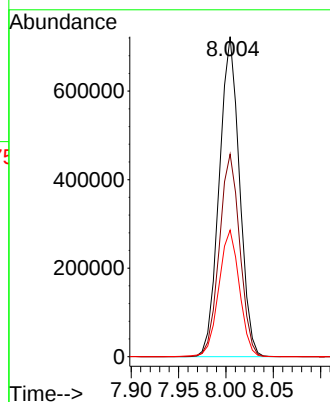
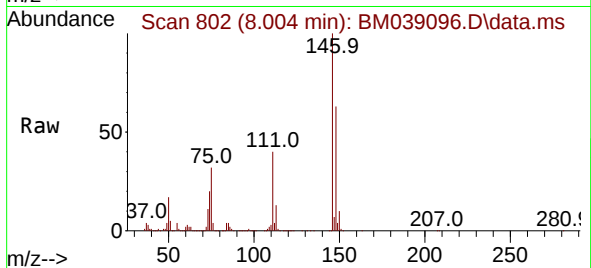
Tgt Ion:146 Resp: 1077406

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.4

111 39.5 32.2 48.4



#14

1,2-Dichlorobenzene

Concen: 49.707 ng

RT: 8.322 min Scan# 856

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

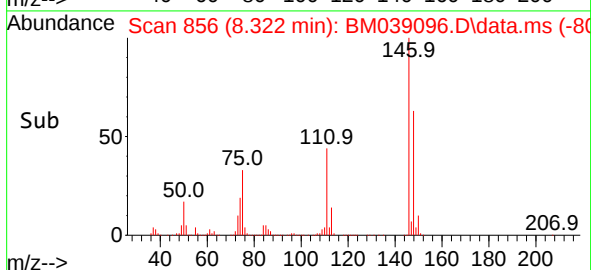
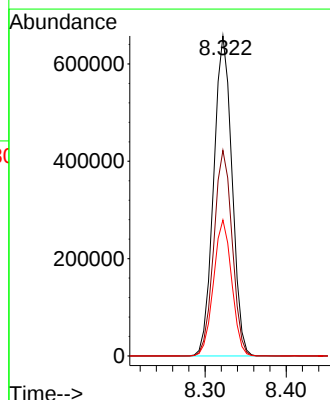
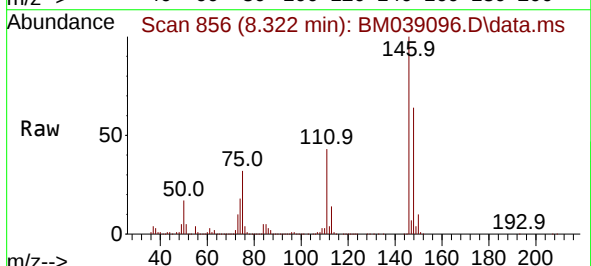
Tgt Ion:146 Resp: 1033677

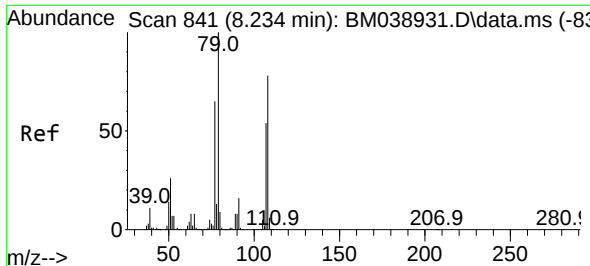
Ion Ratio Lower Upper

146 100

148 64.2 51.7 77.5

111 42.5 34.2 51.4

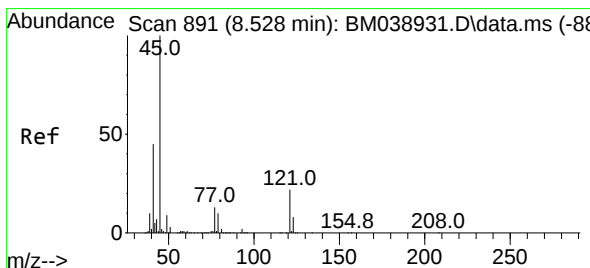
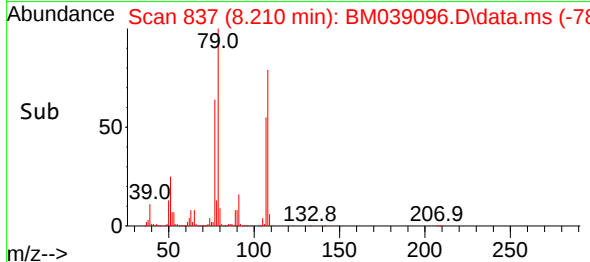
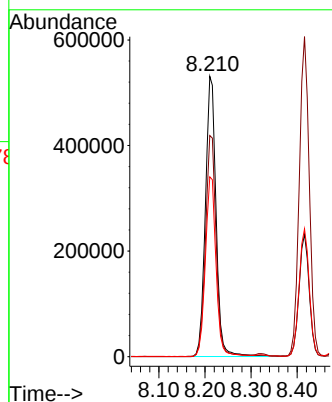
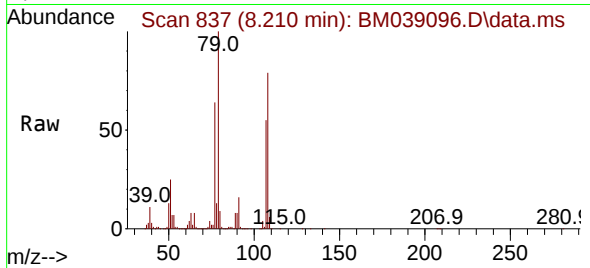




#15
Benzyl Alcohol
Concen: 49.269 ng
RT: 8.210 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

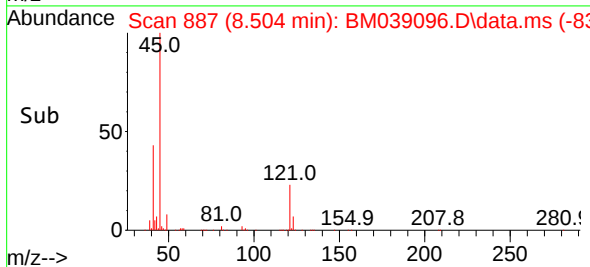
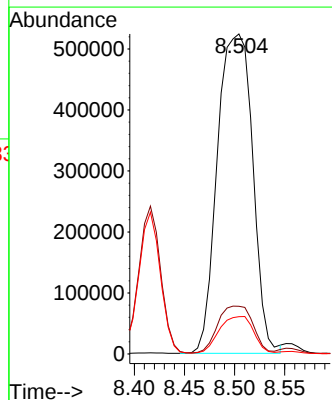
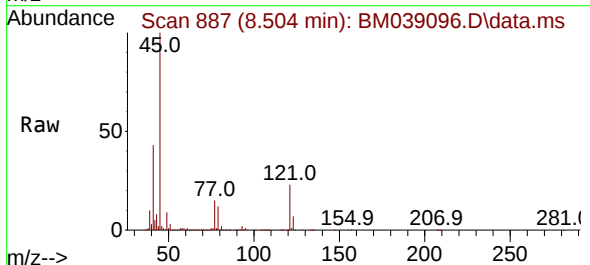
Instrument :
BNA_M
ClientSampleId :
031023-3MS

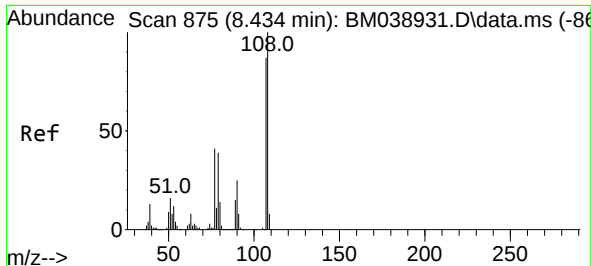
Tgt Ion: 79 Resp: 860590
Ion Ratio Lower Upper
79 100
108 78.9 62.4 93.6
77 64.1 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.280 ng
RT: 8.504 min Scan# 887
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 45 Resp: 1282944
Ion Ratio Lower Upper
45 100
77 14.9 0.0 34.8
79 11.7 0.0 31.5

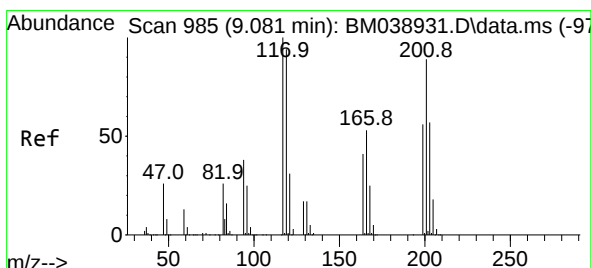
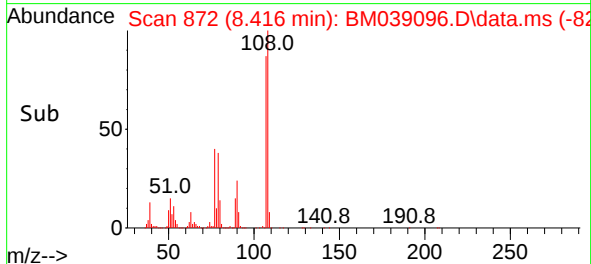
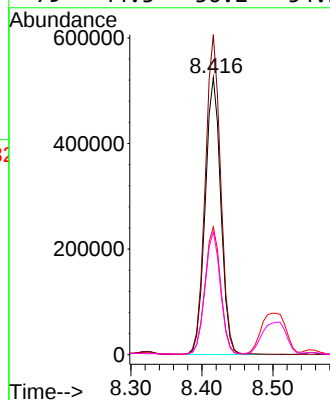
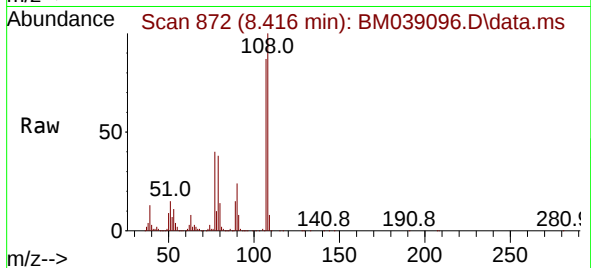




#17
2-Methylphenol
Concen: 44.949 ng
RT: 8.416 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

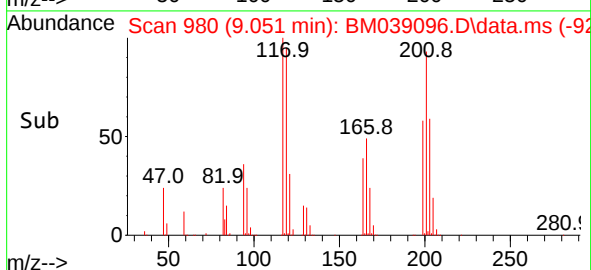
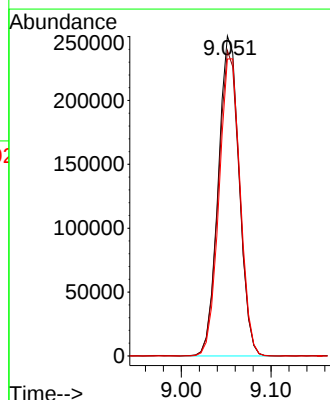
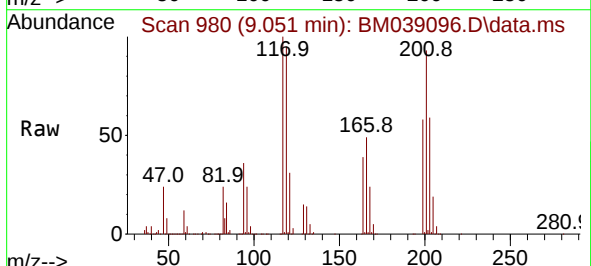
Instrument :
BNA_M
ClientSampleId :
031023-3MS

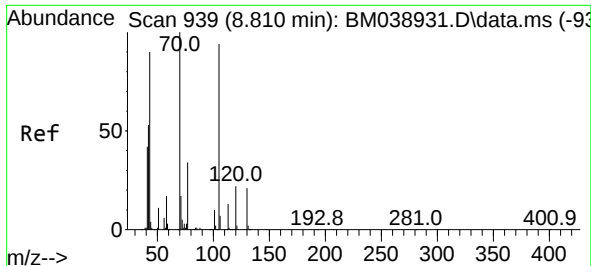
Tgt Ion:	107	Resp:	799085
Ion	Ratio	Lower	Upper
107	100		
108	115.4	91.7	137.5
77	46.1	37.4	56.2
79	44.3	36.2	54.2



#18
Hexachloroethane
Concen: 51.013 ng
RT: 9.051 min Scan# 980
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:	117	Resp:	406330
Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.4	113.0
201	92.8	71.3	106.9





#19

n-Nitroso-di-n-propylamine

Concen: 48.625 ng

RT: 8.781 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM039096.D

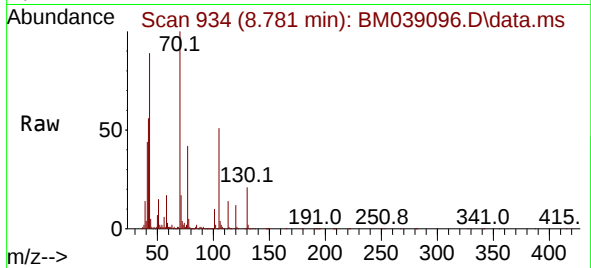
Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS



Tgt Ion: 70 Resp: 746377

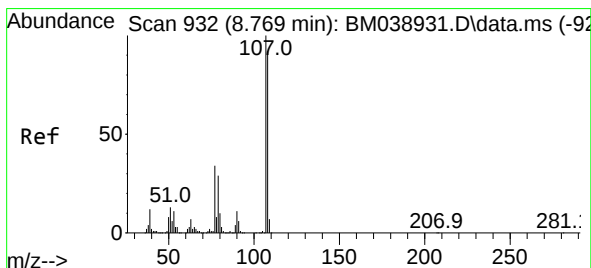
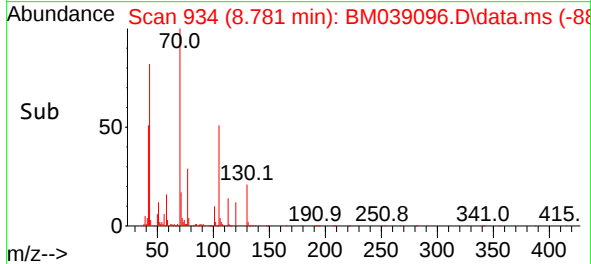
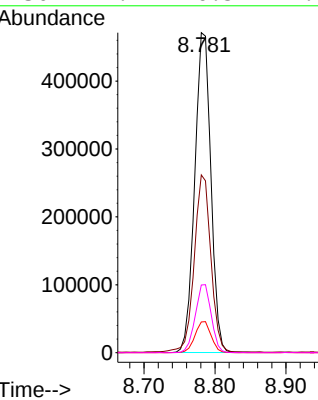
Ion Ratio Lower Upper

70 100

42 55.6 43.4 65.2

101 9.6 7.6 11.4

130 21.2 16.5 24.7



#20

3+4-Methylphenols

Concen: 44.810 ng

RT: 8.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Tgt Ion: 107 Resp: 1063659

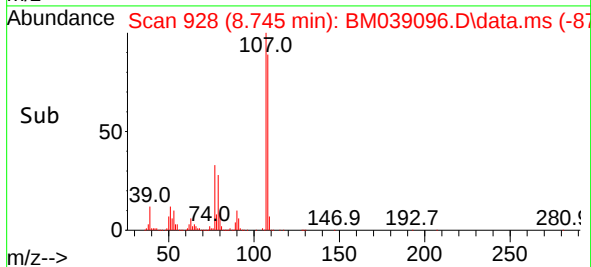
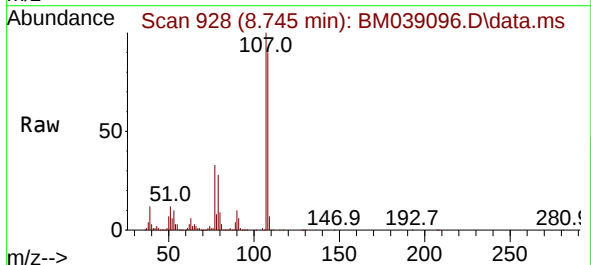
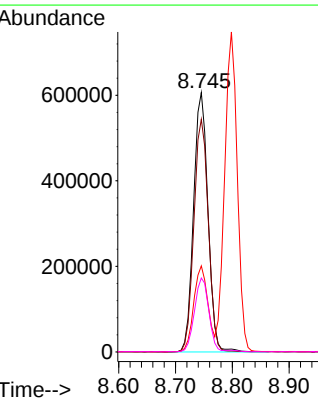
Ion Ratio Lower Upper

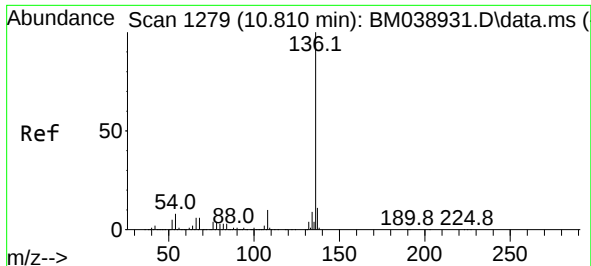
107 100

108 89.7 71.8 111.8

77 33.2 13.6 53.6

79 28.5 9.2 49.2

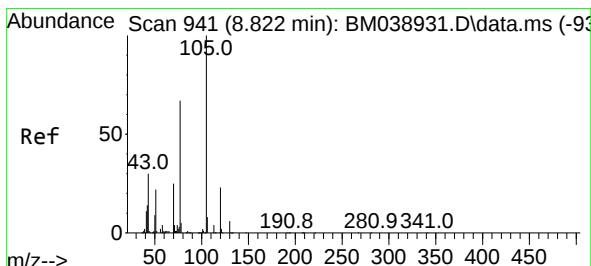
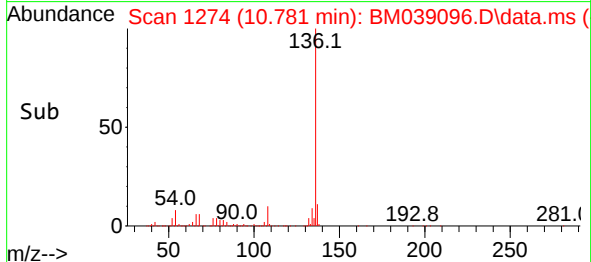
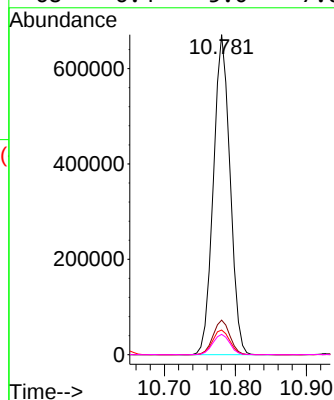
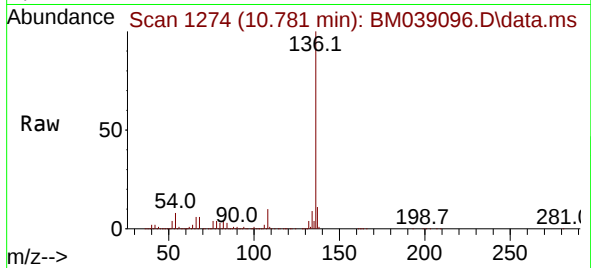




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

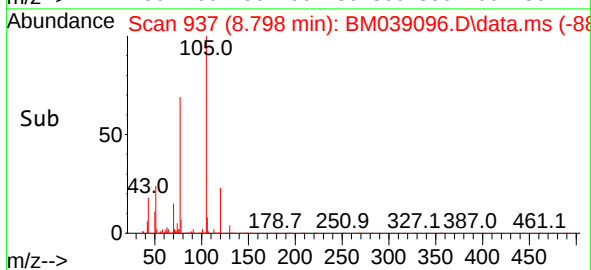
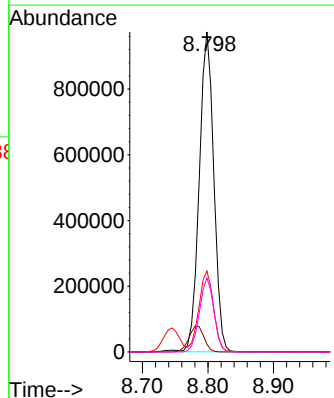
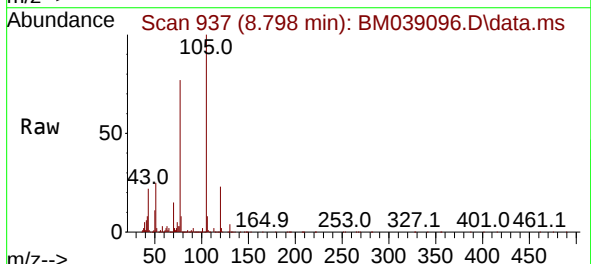
Instrument :
BNA_M
ClientSampleId :
031023-3MS

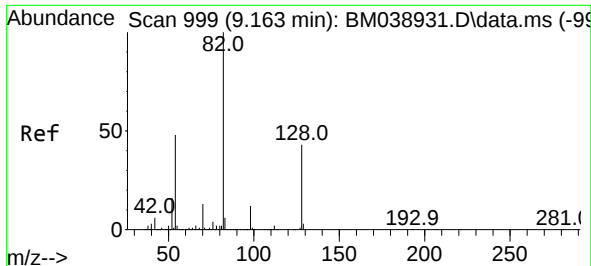
Tgt Ion:136 Resp: 1090116
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 6.3 9.5
68 6.4 5.0 7.6



#22
Acetophenone
Concen: 49.013 ng
RT: 8.798 min Scan# 937
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:105 Resp: 1499042
Ion Ratio Lower Upper
105 100
71 2.4 3.4 5.0#
51 25.3 21.0 31.4
120 23.2 18.1 27.1

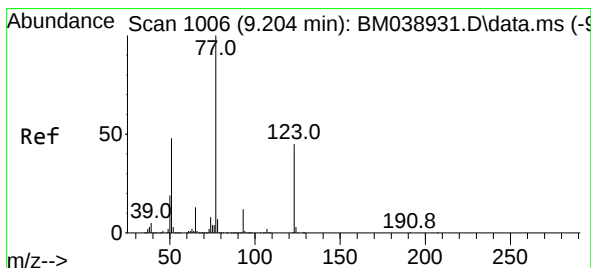
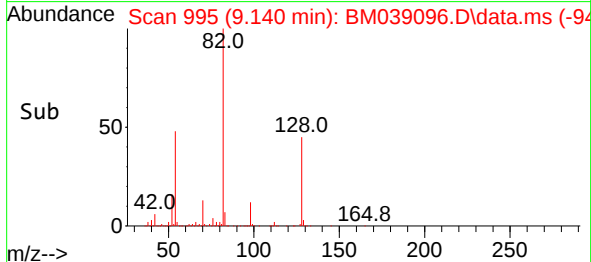
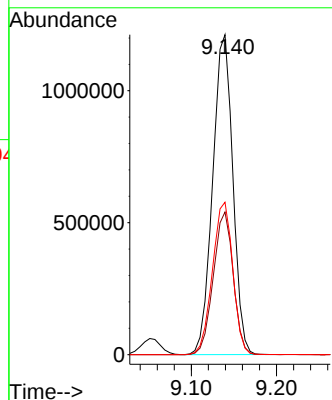
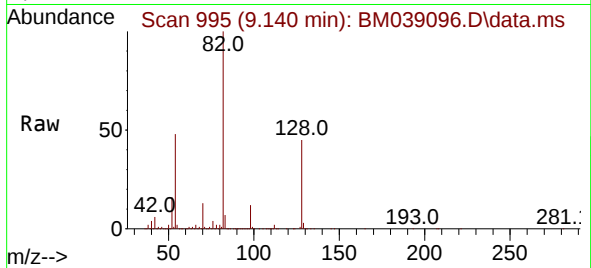




#23
Nitrobenzene-d5
Concen: 89.683 ng
RT: 9.140 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

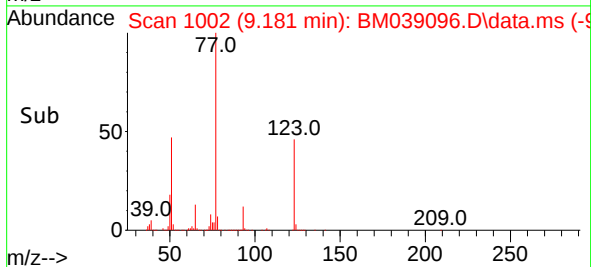
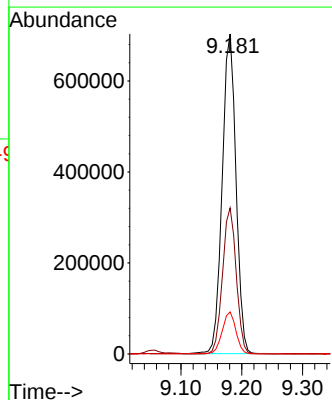
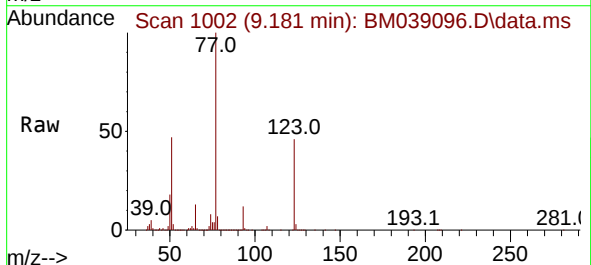
Instrument :
BNA_M
ClientSampleId :
031023-3MS

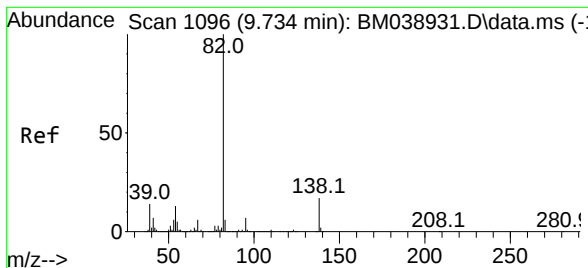
Tgt Ion: 82 Resp: 1990283
Ion Ratio Lower Upper
82 100
128 44.6 34.4 51.6
54 47.7 38.8 58.2



#24
Nitrobenzene
Concen: 47.420 ng
RT: 9.181 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 77 Resp: 1106113
Ion Ratio Lower Upper
77 100
123 45.7 35.8 53.6
65 13.2 10.2 15.4





#25

Isophorone

Concen: 49.212 ng

RT: 9.710 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

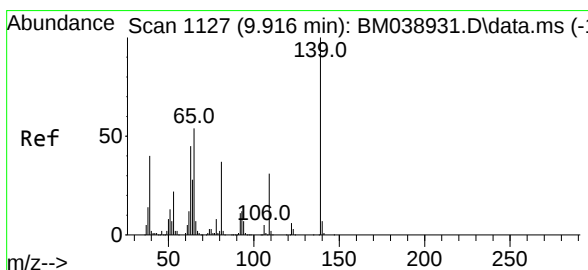
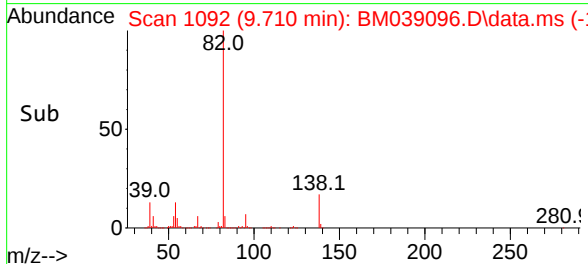
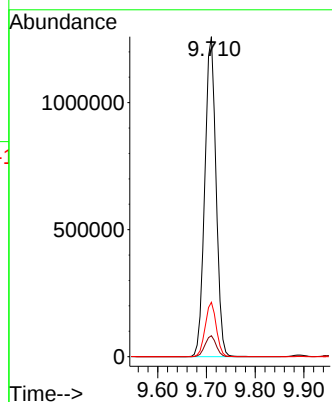
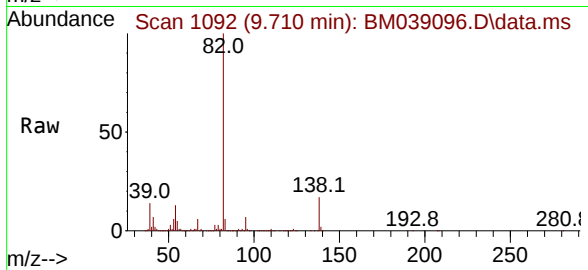
Tgt Ion: 82 Resp: 2009763

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 17.0 13.6 20.4



#26

2-Nitrophenol

Concen: 49.168 ng

RT: 9.892 min Scan# 1123

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

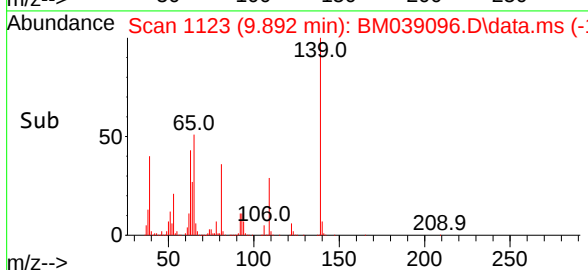
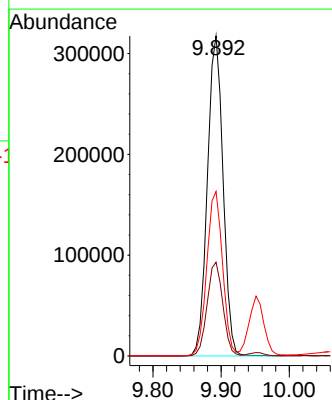
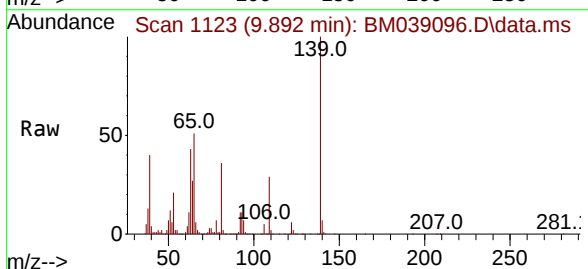
Tgt Ion:139 Resp: 507201

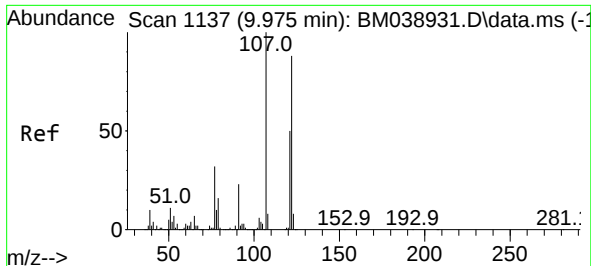
Ion Ratio Lower Upper

139 100

109 29.3 24.5 36.7

65 51.4 43.0 64.6

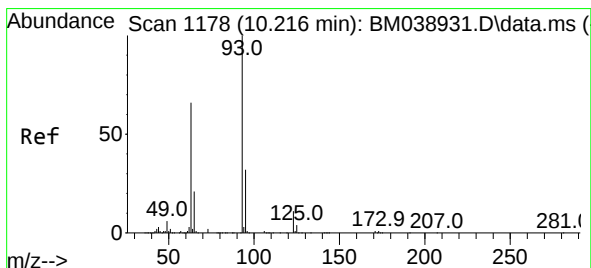
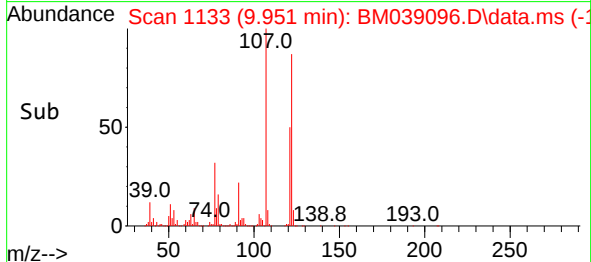
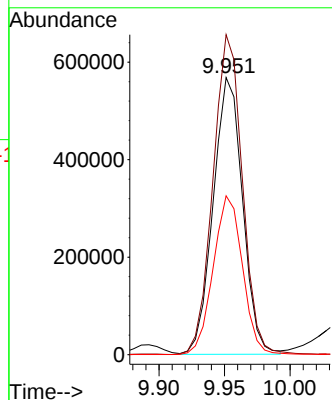
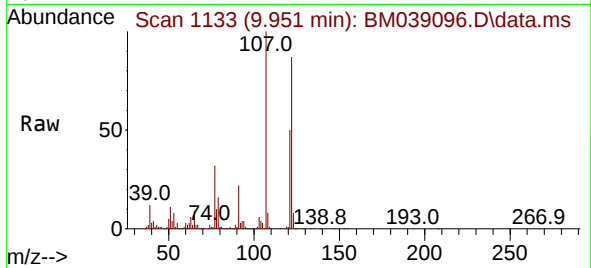




#27
2,4-Dimethylphenol
Concen: 49.771 ng
RT: 9.951 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

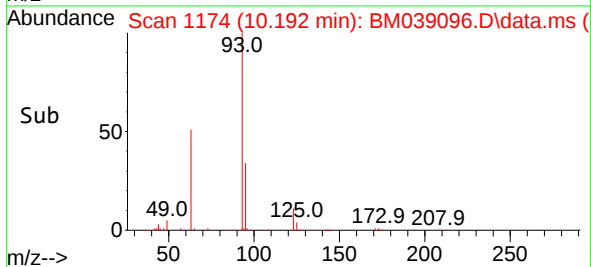
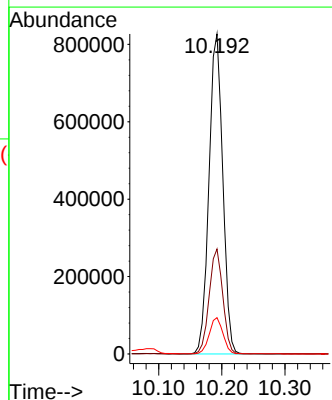
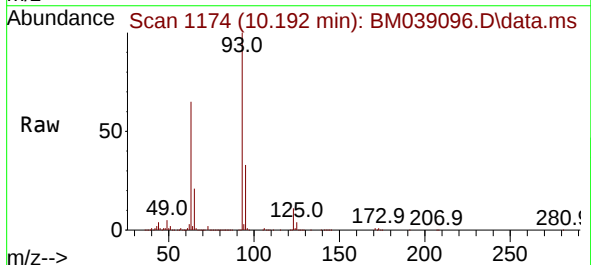
Instrument :
BNA_M
ClientSampleId :
031023-3MS

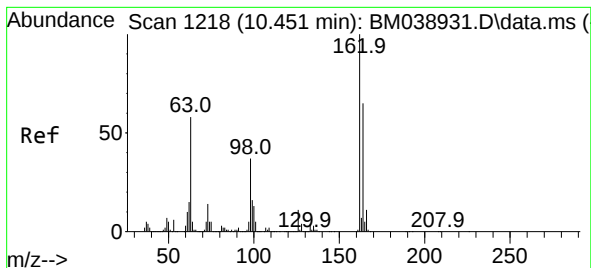
Tgt Ion:122 Resp: 885644
Ion Ratio Lower Upper
122 100
107 115.5 91.0 136.4
121 57.4 45.1 67.7



#28
bis(2-Chloroethoxy)methane
Concen: 47.781 ng
RT: 10.192 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 93 Resp: 1253799
Ion Ratio Lower Upper
93 100
95 32.8 25.9 38.9
123 11.4 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 50.513 ng

RT: 10.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

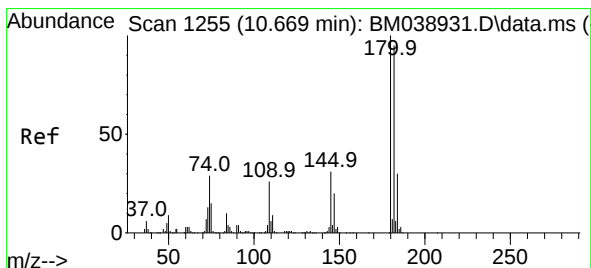
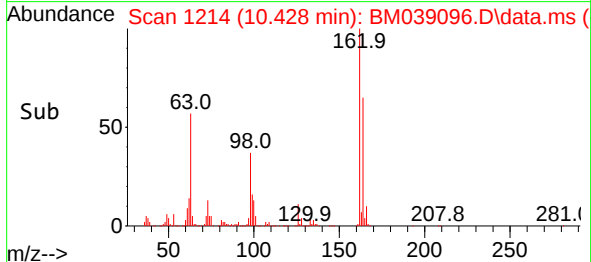
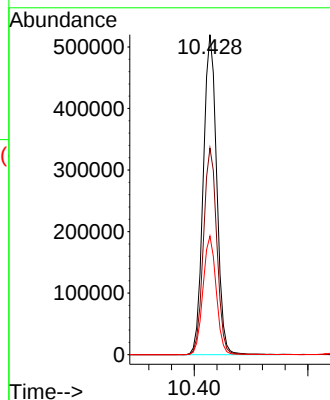
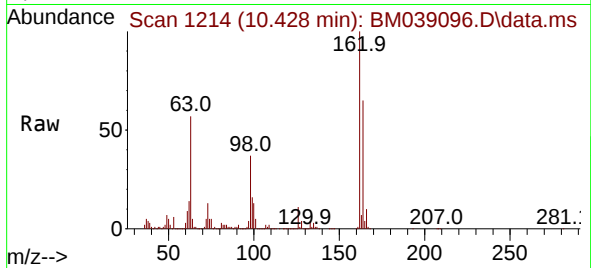
Tgt Ion:162 Resp: 852182

Ion Ratio Lower Upper

162 100

164 64.5 44.6 84.6

98 37.1 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 48.453 ng

RT: 10.645 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

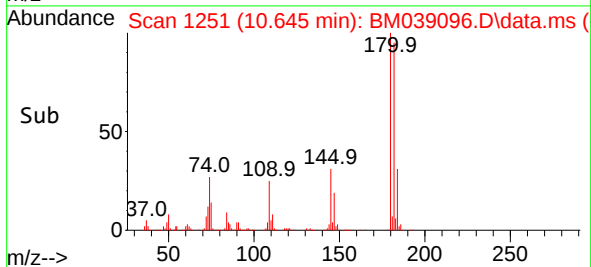
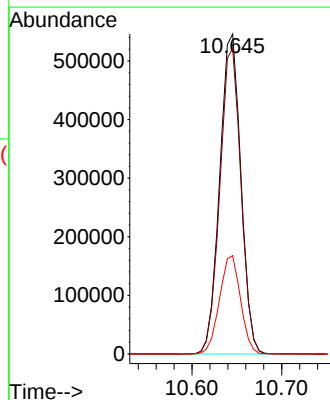
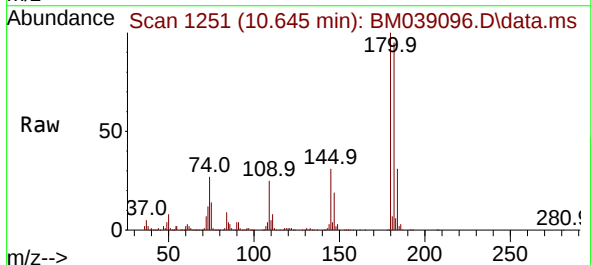
Tgt Ion:180 Resp: 893266

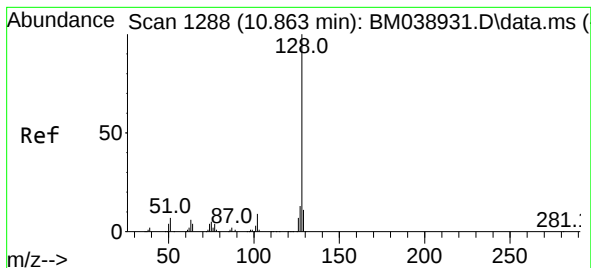
Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 30.7 25.0 37.4

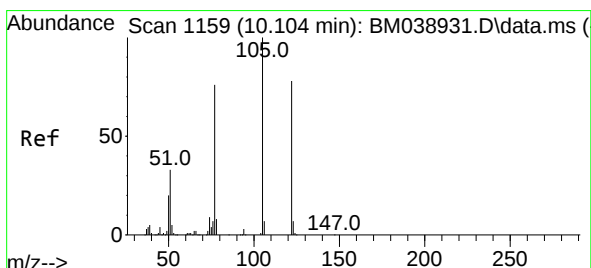
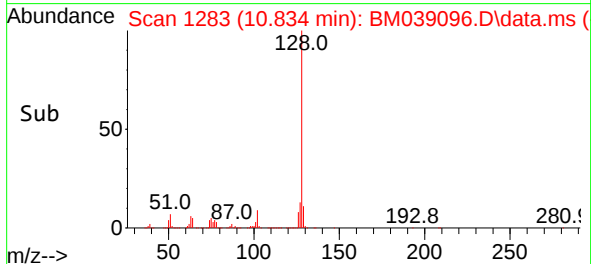
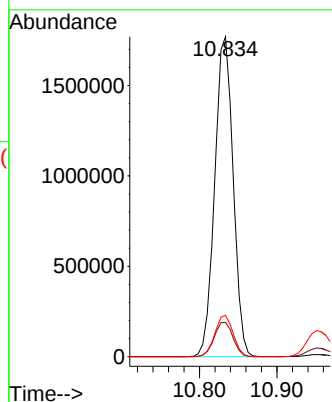
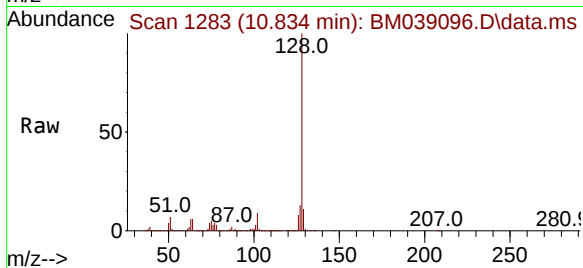




#31
Naphthalene
Concen: 46.979 ng
RT: 10.834 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

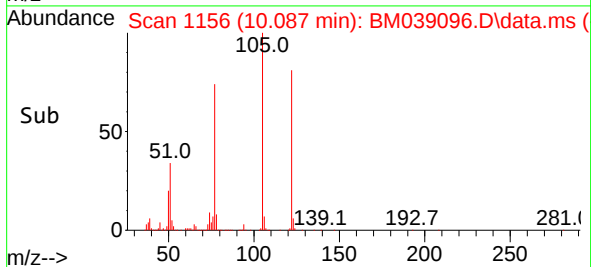
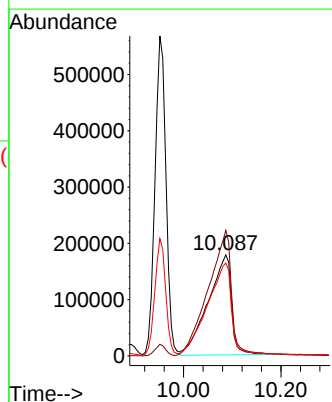
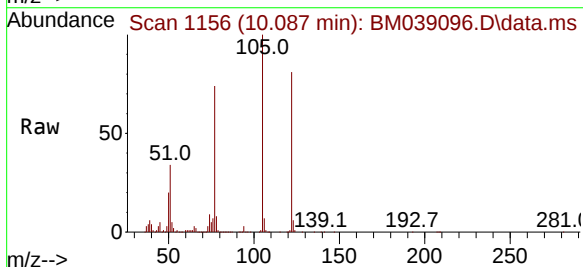
Instrument :
BNA_M
ClientSampleId :
031023-3MS

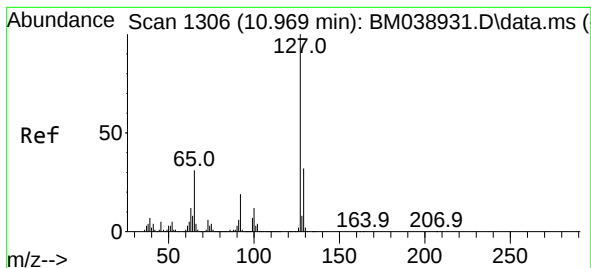
Tgt Ion:128 Resp: 2920261
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.9 10.2 15.4



#32
Benzoic acid
Concen: 45.790 ng
RT: 10.087 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:122 Resp: 593915
Ion Ratio Lower Upper
122 100
105 124.0 104.2 144.2
77 91.9 75.1 115.1

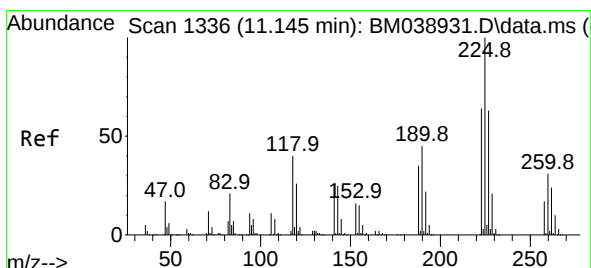
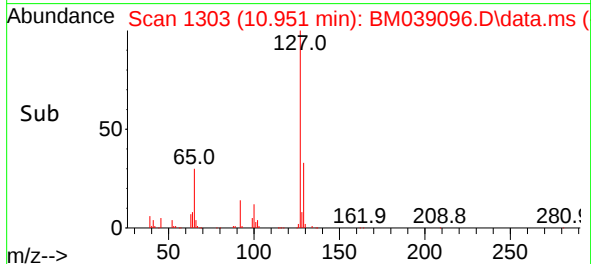
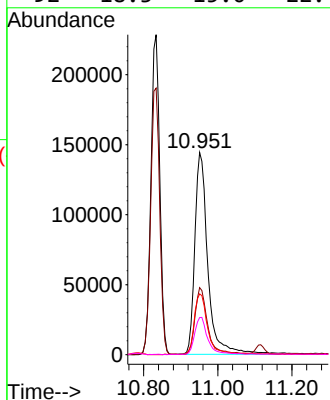
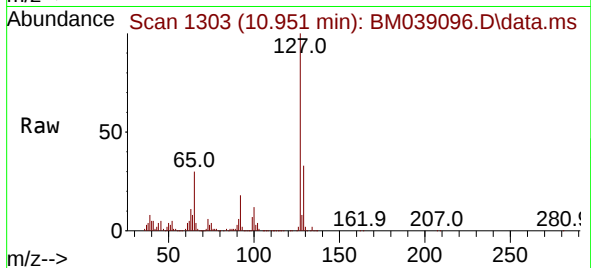




#33
4-Chloroaniline
Concen: 13.274 ng
RT: 10.951 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

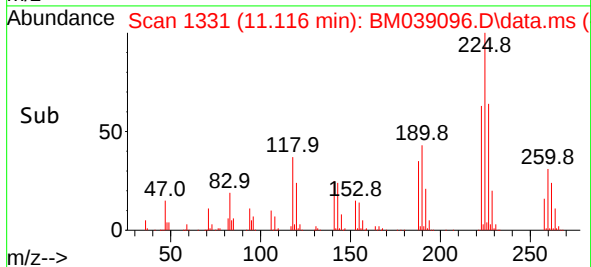
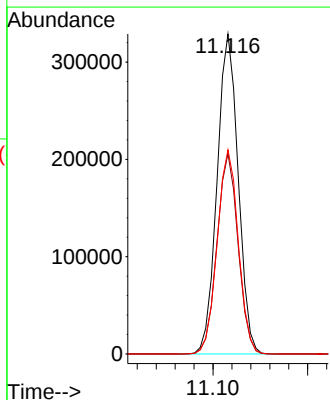
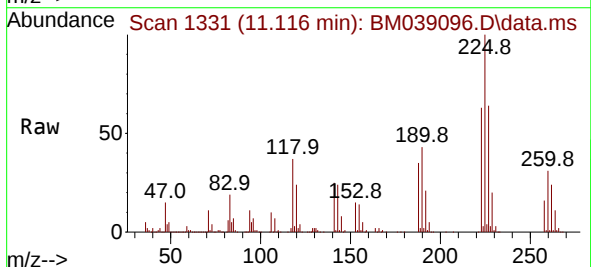
Instrument :
BNA_M
ClientSampleId :
031023-3MS

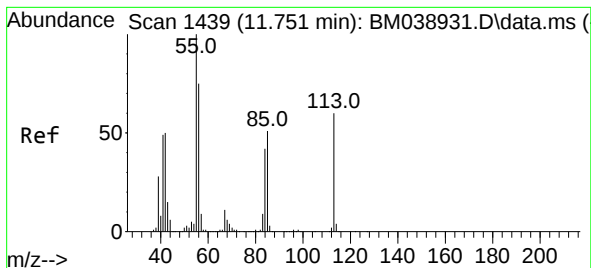
Tgt Ion:	127	Resp:	351650
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.4	38.2
65	30.0	24.4	36.6
92	18.3	15.0	22.4



#34
Hexachlorobutadiene
Concen: 48.126 ng
RT: 11.116 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:	225	Resp:	508791
Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.3	76.9
227	63.8	50.6	76.0

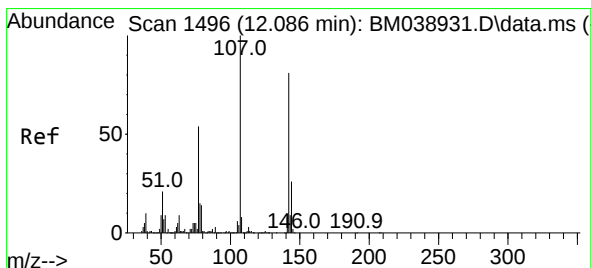
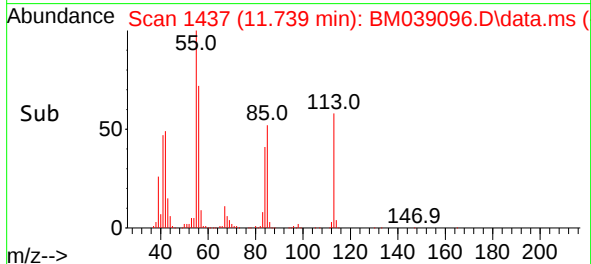
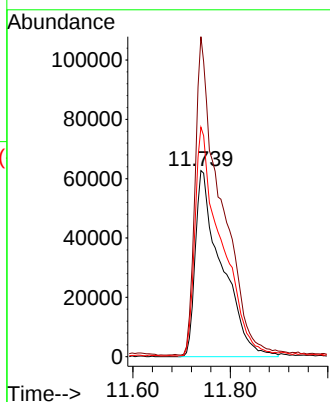
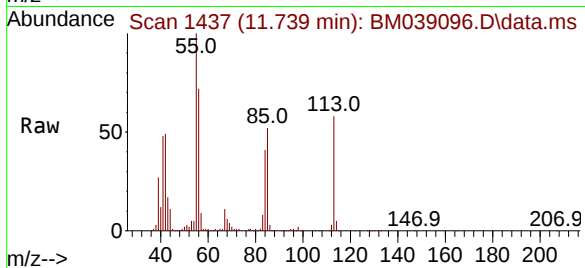




#35
 Caprolactam
 Concen: 45.649 ng
 RT: 11.739 min Scan# 1437
 Delta R.T. 0.006 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

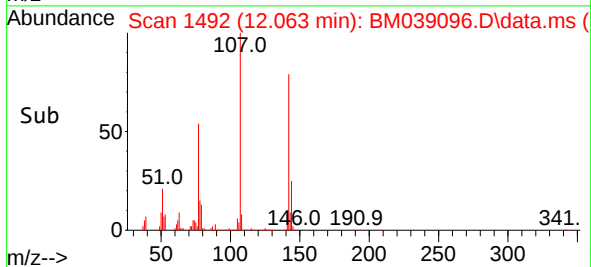
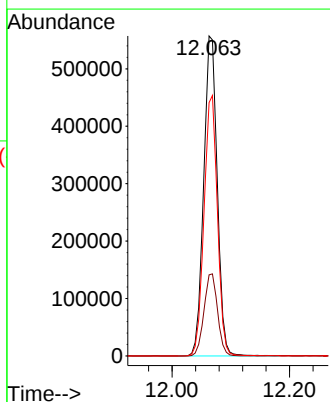
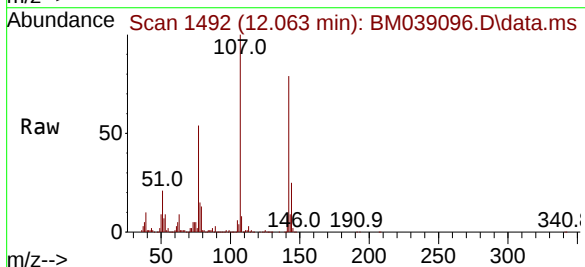
Instrument :
 BNA_M
 ClientSampleId :
 031023-3MS

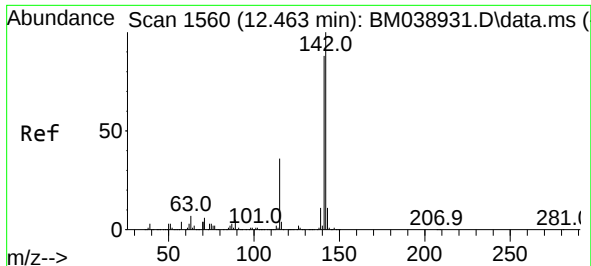
Tgt Ion:113 Resp: 234392
 Ion Ratio Lower Upper
 113 100
 55 171.9 147.0 187.0
 56 123.3 105.1 145.1



#36
 4-Chloro-3-methylphenol
 Concen: 49.494 ng
 RT: 12.063 min Scan# 1492
 Delta R.T. 0.000 min
 Lab File: BM039096.D
 Acq: 22 Mar 2023 17:31

Tgt Ion:107 Resp: 889134
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.7 31.1
 142 79.2 64.6 97.0





#37

2-Methylnaphthalene

Concen: 45.822 ng

RT: 12.439 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

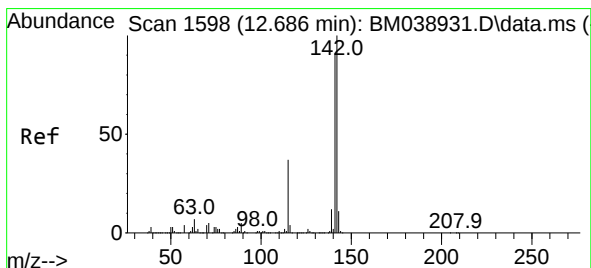
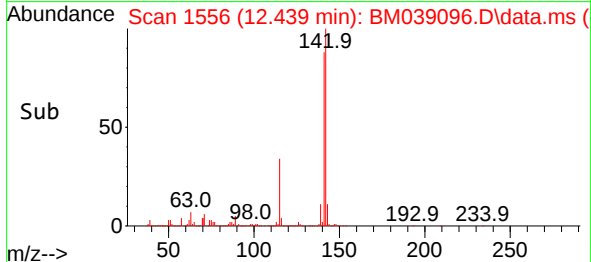
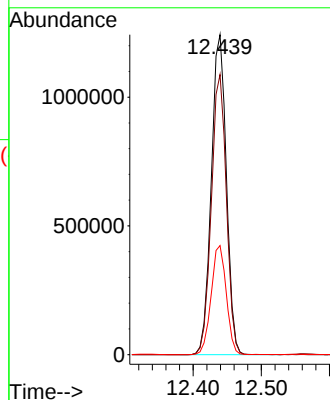
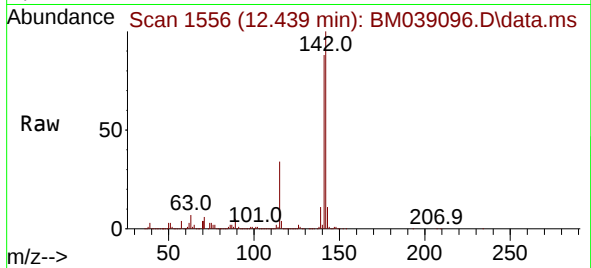
Tgt Ion:142 Resp: 1909076

Ion Ratio Lower Upper

142 100

141 87.6 70.6 106.0

115 34.1 28.5 42.7



#38

1-Methylnaphthalene

Concen: 45.510 ng

RT: 12.657 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

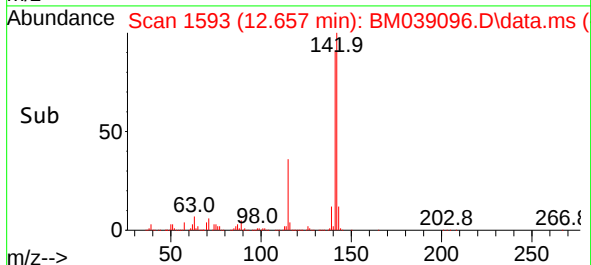
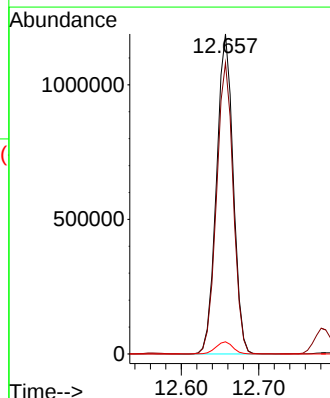
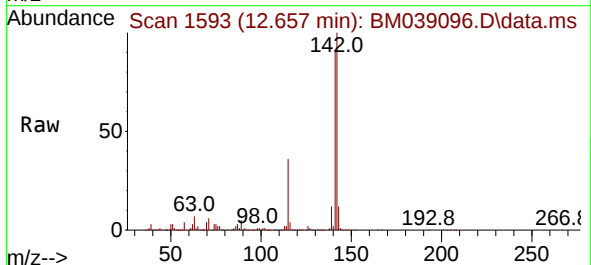
Tgt Ion:142 Resp: 1776876

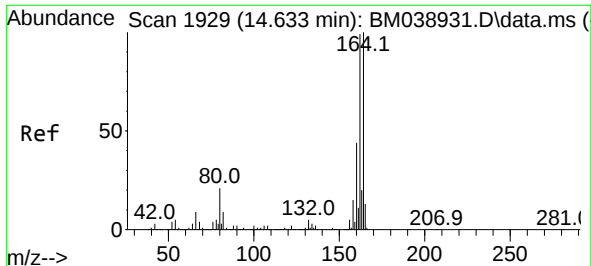
Ion Ratio Lower Upper

142 100

141 91.0 72.8 109.2

116 3.8 3.0 4.4

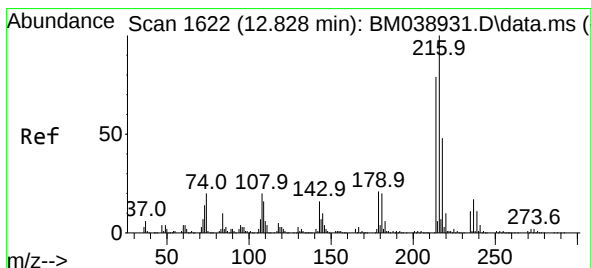
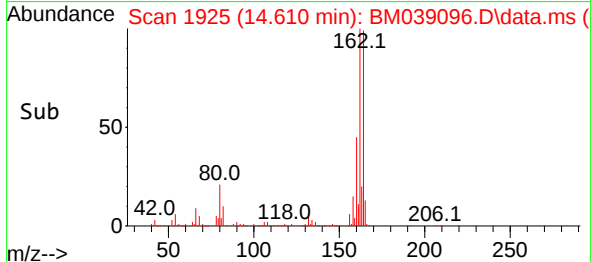
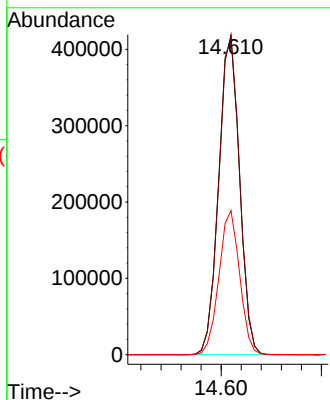
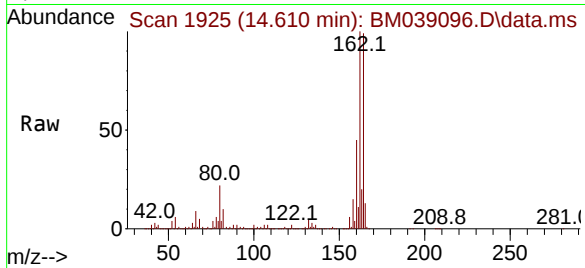




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

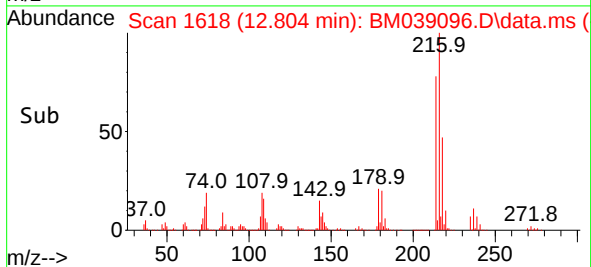
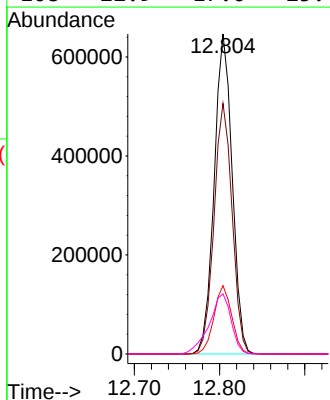
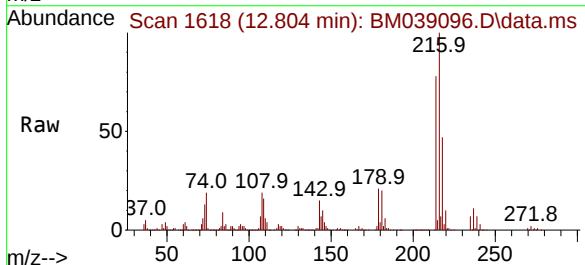
Instrument :
BNA_M
ClientSampleId :
031023-3MS

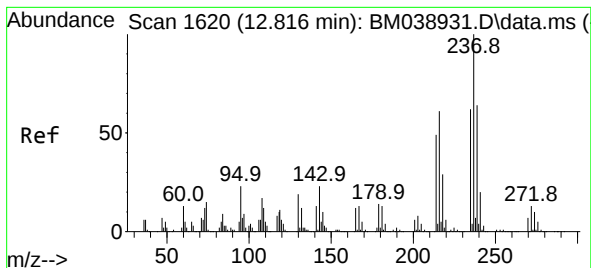
Tgt Ion:164 Resp: 600638
Ion Ratio Lower Upper
164 100
162 100.8 79.2 118.8
160 45.4 35.5 53.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.563 ng
RT: 12.804 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:216 Resp: 948267
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.1 16.8 25.2
108 22.9 17.0 25.4

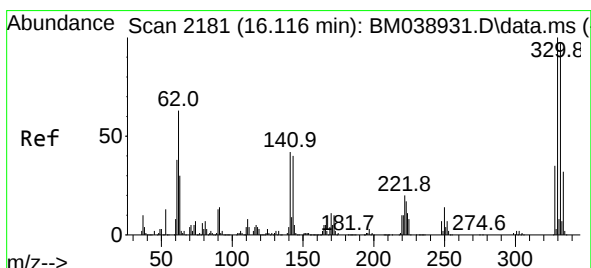
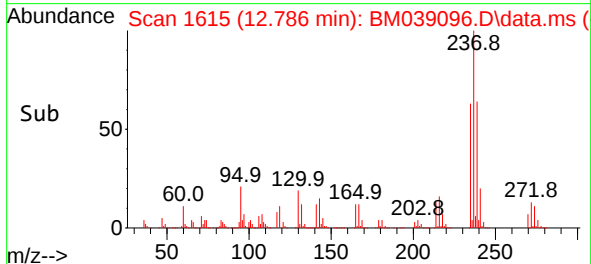
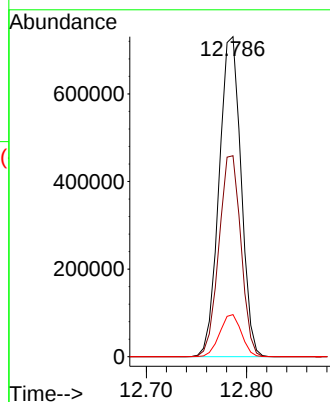
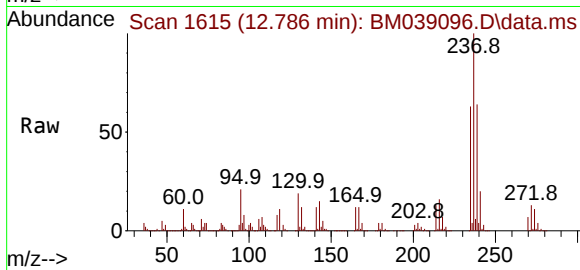




#41
Hexachlorocyclopentadiene
Concen: 103.303 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

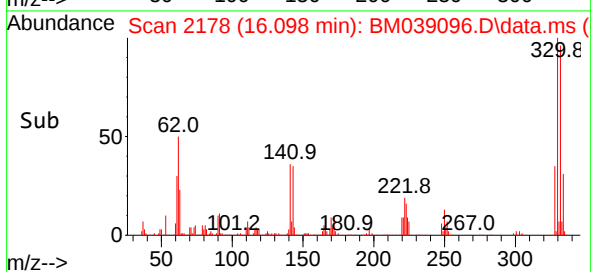
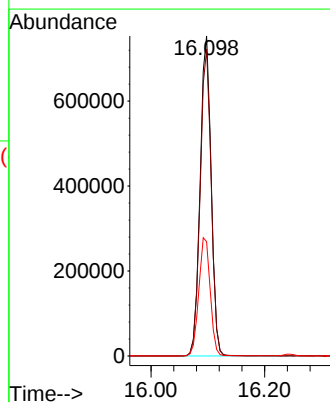
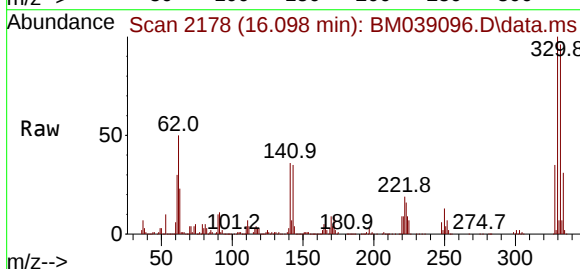
Instrument :
BNA_M
ClientSampleId :
031023-3MS

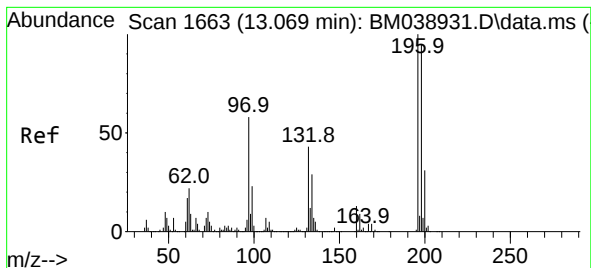
Tgt Ion:237 Resp: 1107230
Ion Ratio Lower Upper
237 100
235 62.8 41.7 81.7
272 13.1 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 146.211 ng
RT: 16.098 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:330 Resp: 1015935
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 38.4 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 50.520 ng

RT: 13.045 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

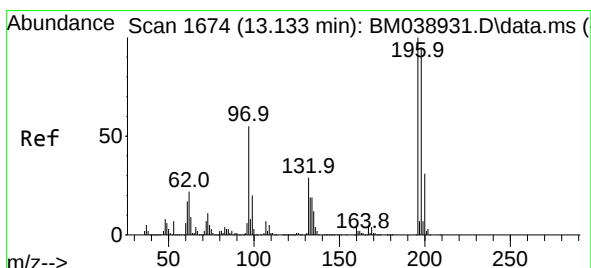
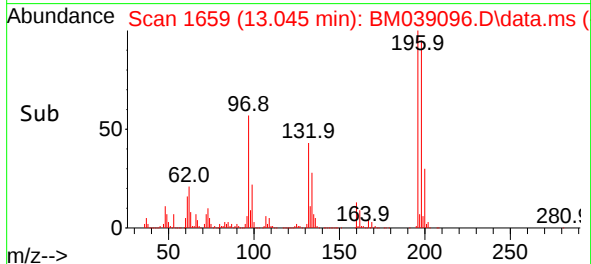
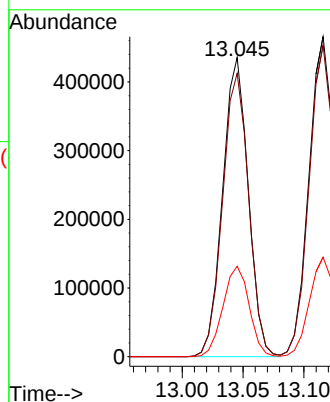
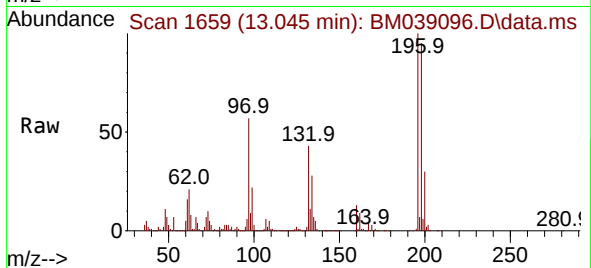
Tgt Ion:196 Resp: 638792

Ion Ratio Lower Upper

196 100

198 94.7 75.8 113.8

200 30.2 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 46.873 ng

RT: 13.116 min Scan# 1671

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Tgt Ion:196 Resp: 693737

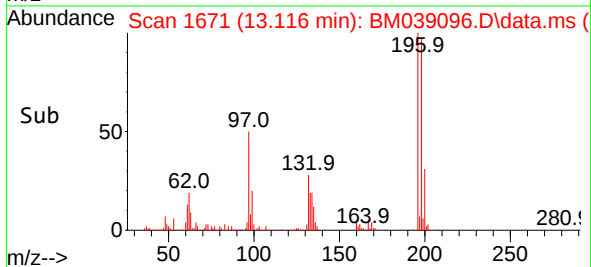
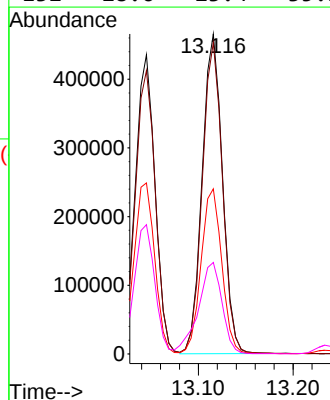
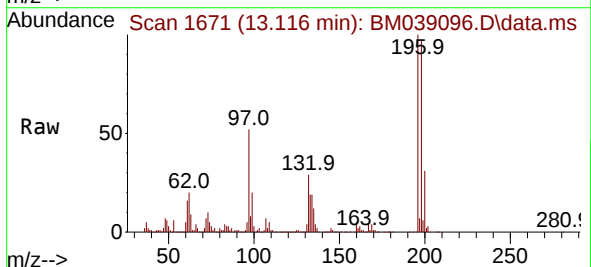
Ion Ratio Lower Upper

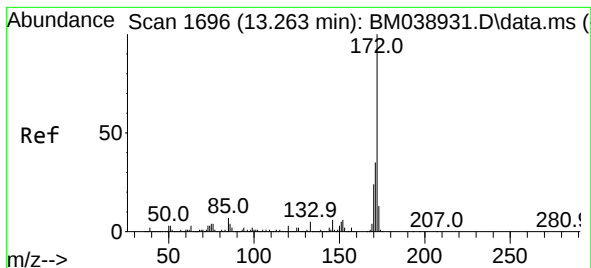
196 100

198 97.3 76.3 114.5

97 51.6 44.2 66.4

132 28.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 86.419 ng

RT: 13.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

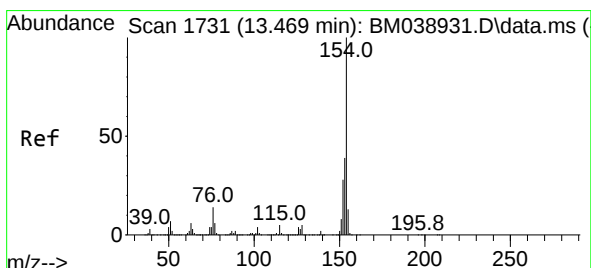
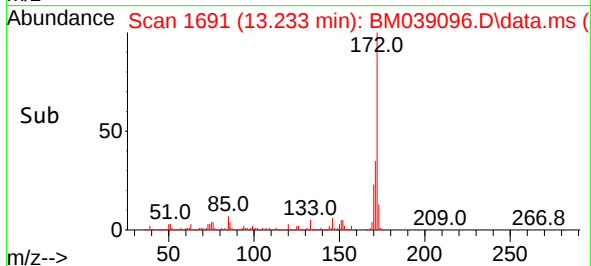
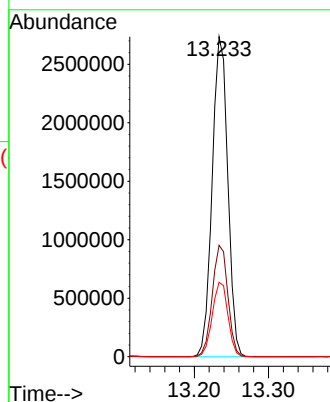
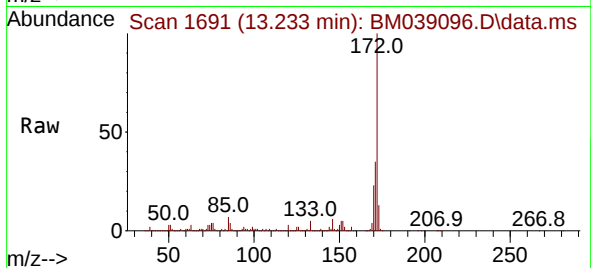
Tgt Ion:172 Resp: 3987278

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.2 19.1 28.7



#46

1,1'-Biphenyl

Concen: 48.738 ng

RT: 13.445 min Scan# 1727

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

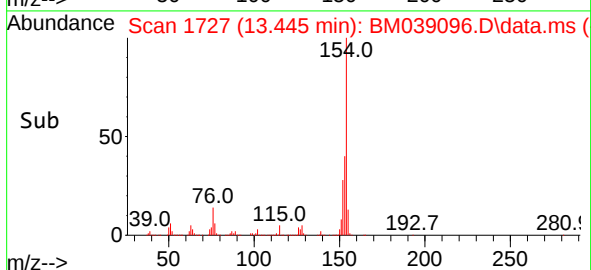
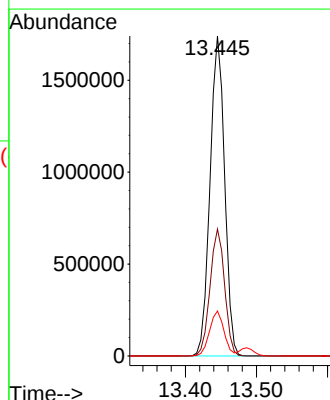
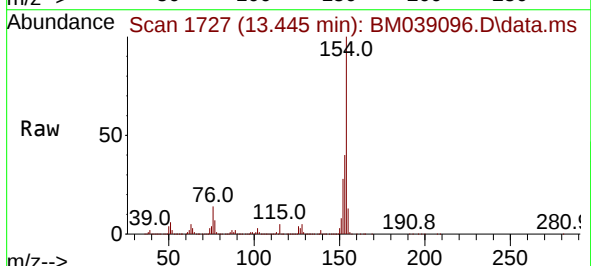
Tgt Ion:154 Resp: 2480003

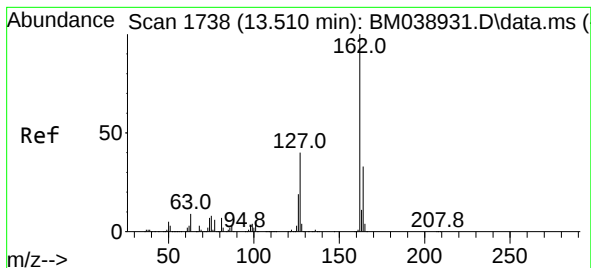
Ion Ratio Lower Upper

154 100

153 39.7 19.3 59.3

76 14.0 0.0 34.0





#47

2-Chloronaphthalene

Concen: 48.992 ng

RT: 13.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

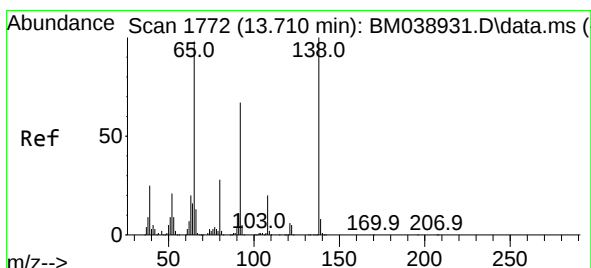
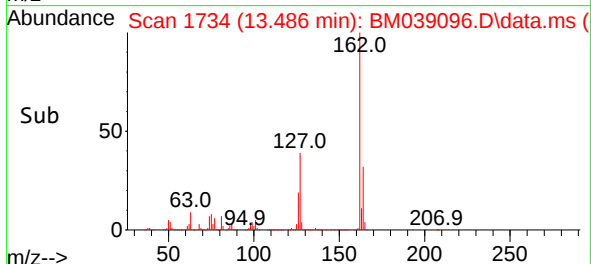
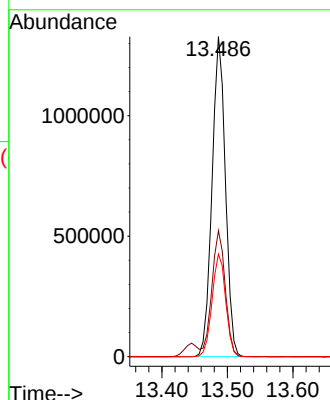
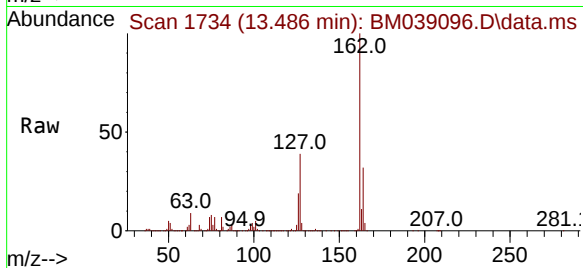
Tgt Ion:162 Resp: 1879863

Ion Ratio Lower Upper

162 100

127 39.4 32.1 48.1

164 32.1 26.2 39.4



#48

2-Nitroaniline

Concen: 49.652 ng

RT: 13.692 min Scan# 1769

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

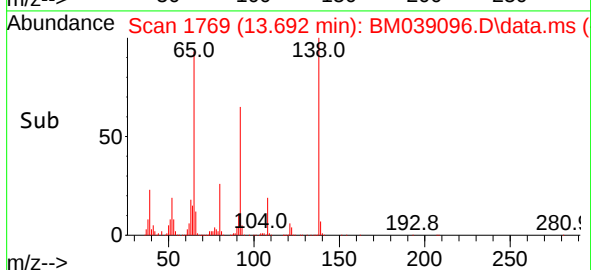
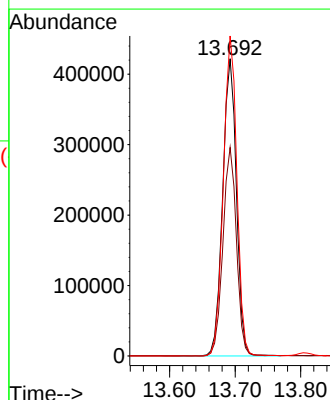
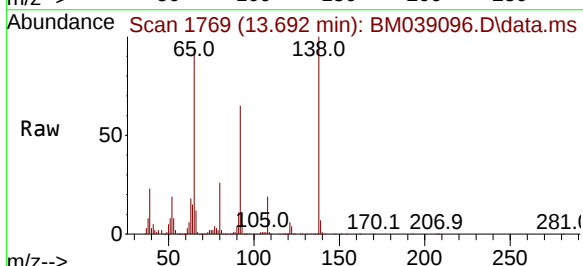
Tgt Ion: 65 Resp: 610964

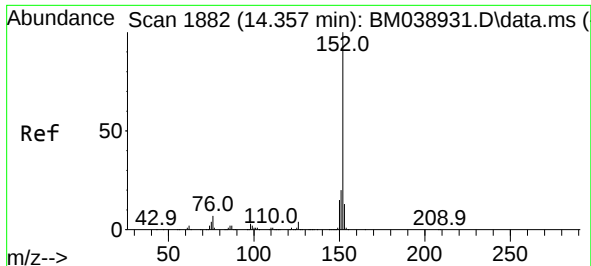
Ion Ratio Lower Upper

65 100

92 70.2 54.9 82.3

138 107.6 81.6 122.4

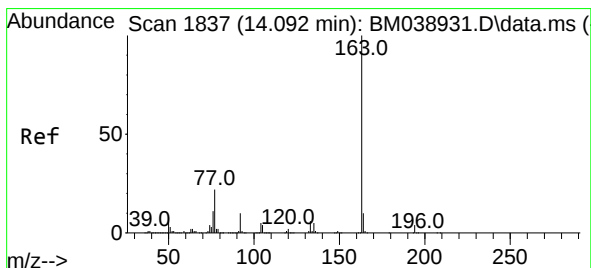
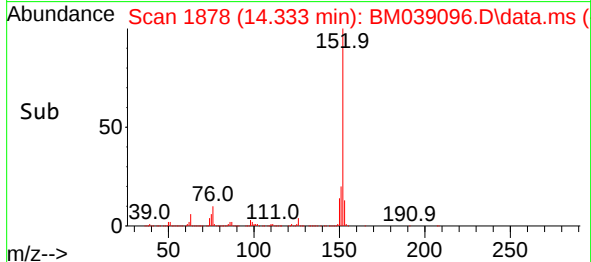
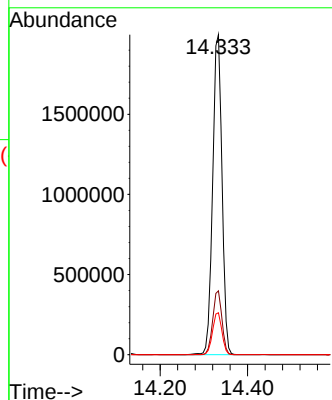
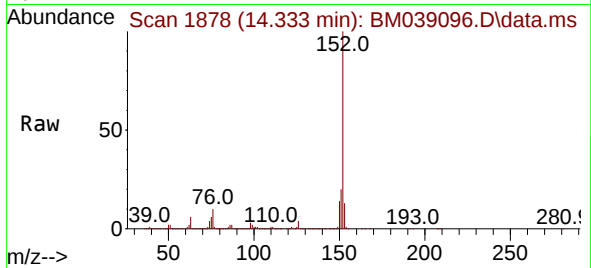




#49
Acenaphthylene
Concen: 48.594 ng
RT: 14.333 min Scan# 1878
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

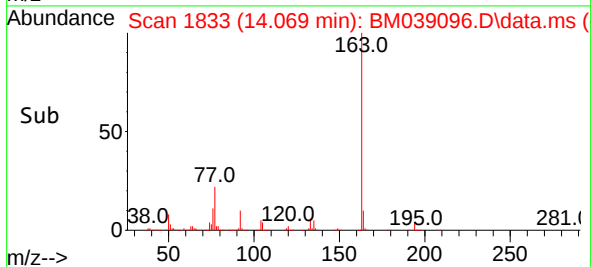
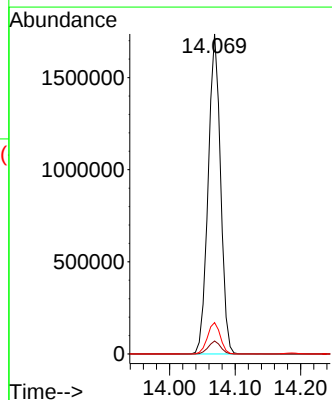
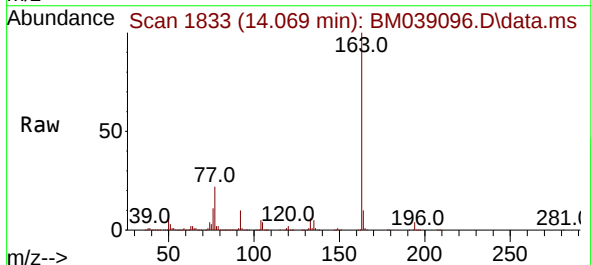
Instrument :
BNA_M
ClientSampleId :
031023-3MS

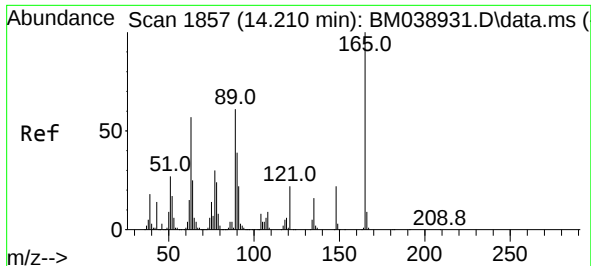
Tgt Ion:152 Resp: 2969996
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 49.362 ng
RT: 14.069 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:163 Resp: 2281437
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.8 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 48.972 ng

RT: 14.186 min Scan# 1853

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

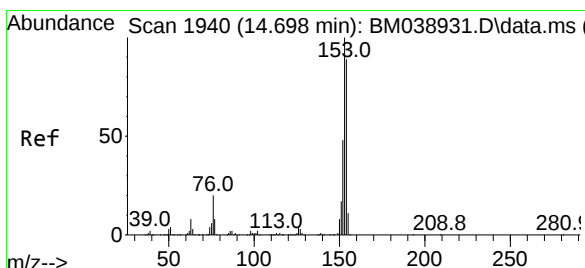
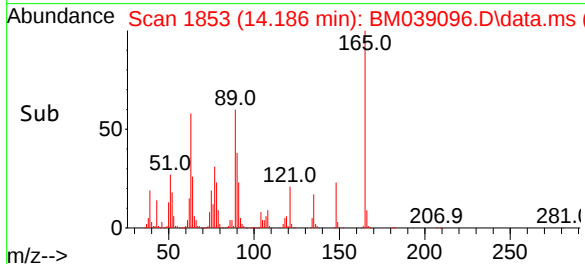
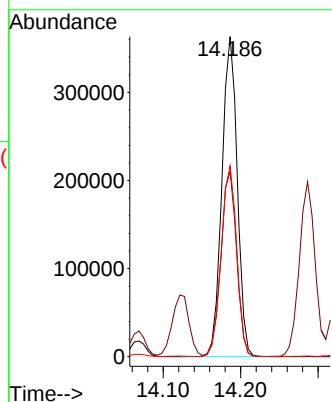
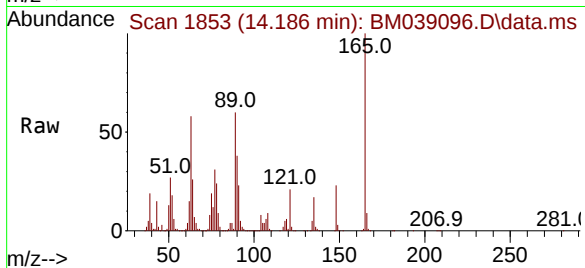
Tgt Ion:165 Resp: 500989

Ion Ratio Lower Upper

165 100

63 57.9 46.6 70.0

89 59.6 48.6 73.0



#52

Acenaphthene

Concen: 47.637 ng

RT: 14.674 min Scan# 1936

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

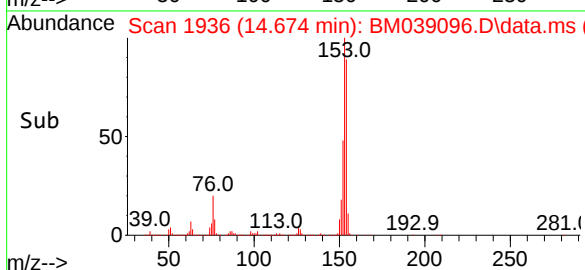
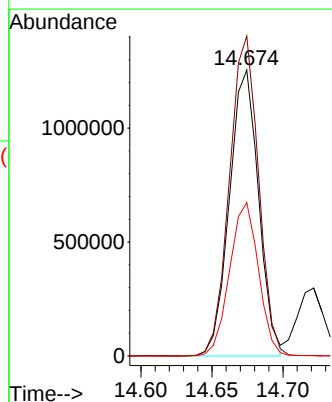
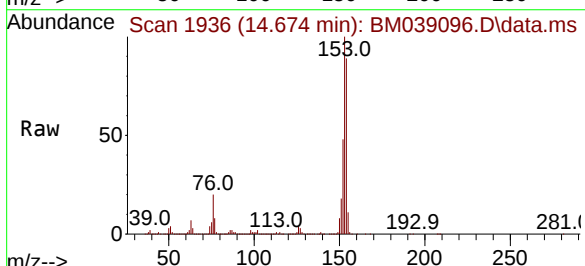
Tgt Ion:154 Resp: 1789301

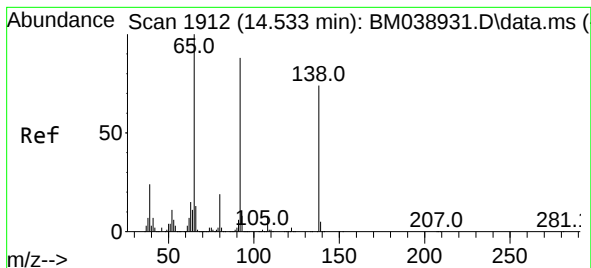
Ion Ratio Lower Upper

154 100

153 111.9 90.2 135.2

152 53.7 43.4 65.2

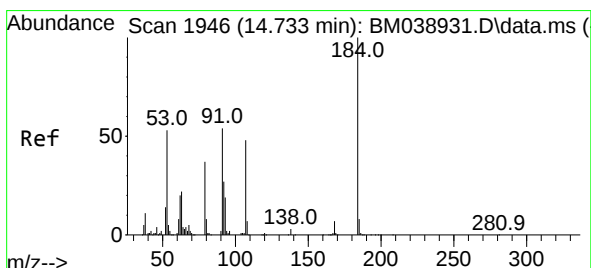
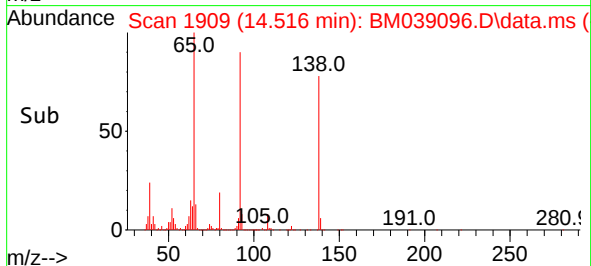
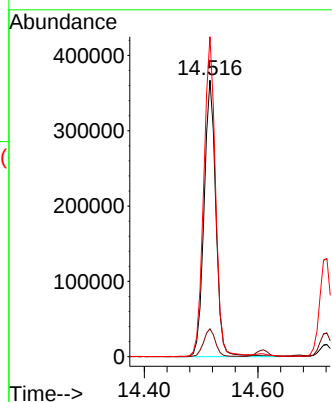
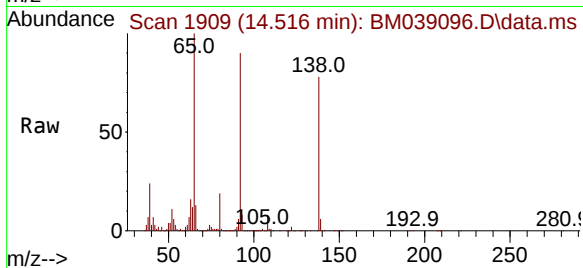




#53
3-Nitroaniline
Concen: 44.231 ng
RT: 14.516 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

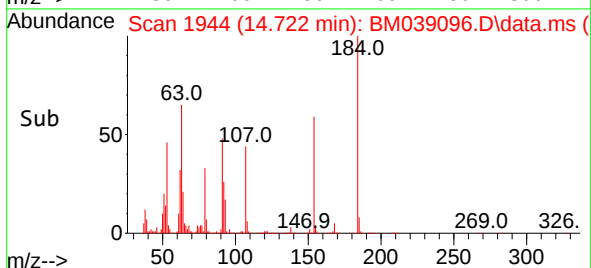
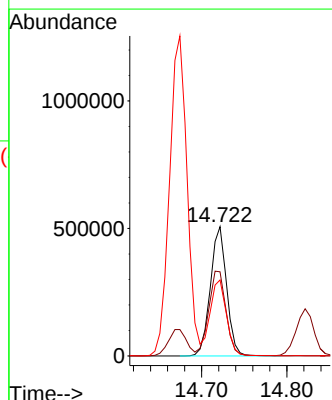
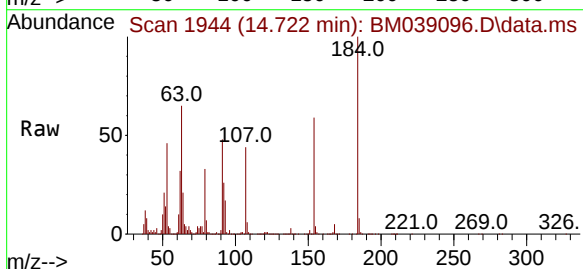
Instrument :
BNA_M
ClientSampleId :
031023-3MS

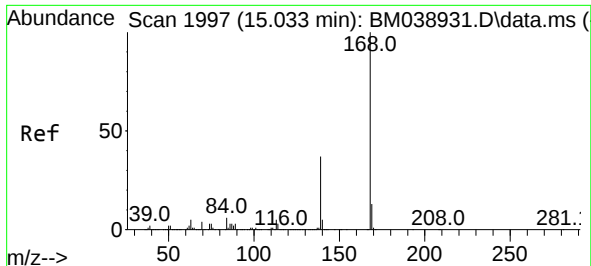
Tgt Ion:138 Resp: 526974
Ion Ratio Lower Upper
138 100
108 10.0 8.3 12.5
92 115.7 95.8 143.8



#54
2,4-Dinitrophenol
Concen: 112.076 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:184 Resp: 671521
Ion Ratio Lower Upper
184 100
63 65.1 60.6 90.8
154 58.8 51.4 77.2

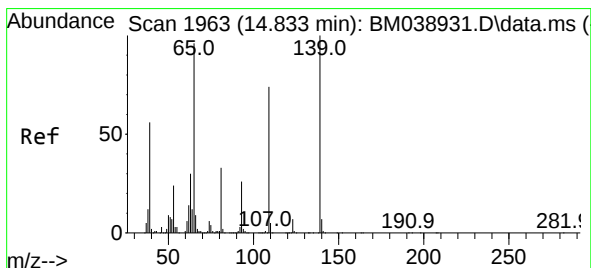
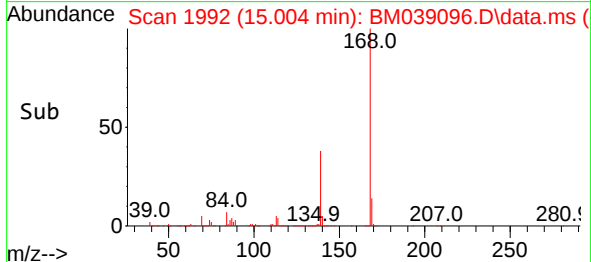
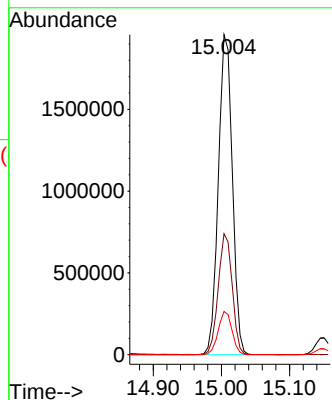
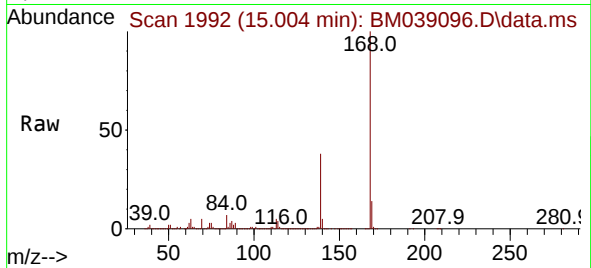




#55
Dibenzofuran
Concen: 47.605 ng
RT: 15.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

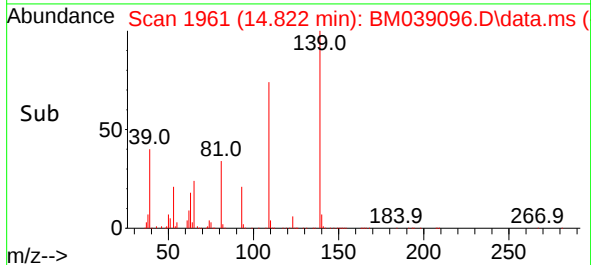
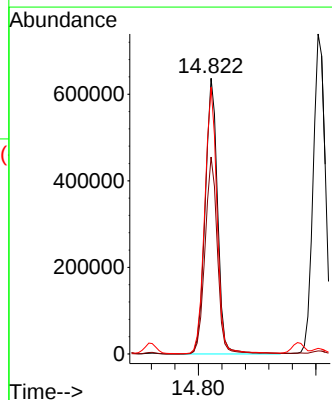
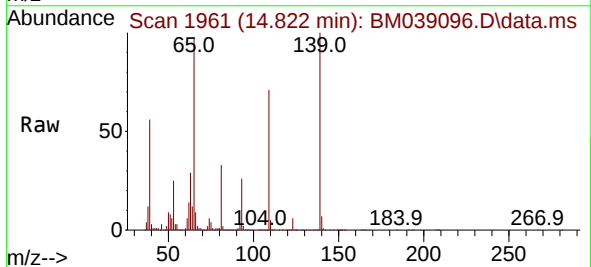
Instrument :
BNA_M
ClientSampleId :
031023-3MS

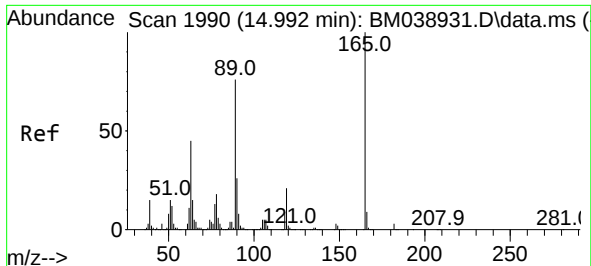
Tgt Ion:168 Resp: 2798117
Ion Ratio Lower Upper
168 100
139 37.8 29.9 44.9
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 101.528 ng
RT: 14.822 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:139 Resp: 931939
Ion Ratio Lower Upper
139 100
109 71.5 53.5 93.5
65 96.7 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 50.515 ng

RT: 14.969 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BM039096.D

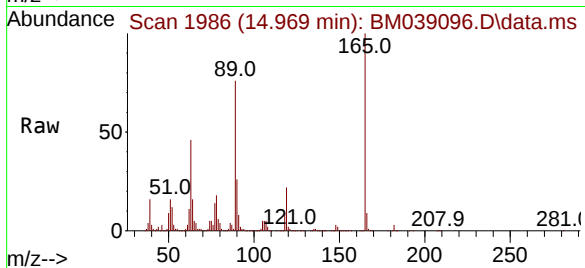
Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS



Tgt Ion:165 Resp: 681031

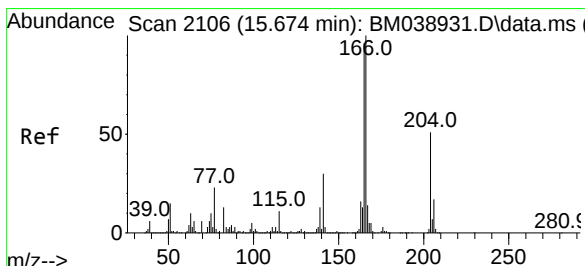
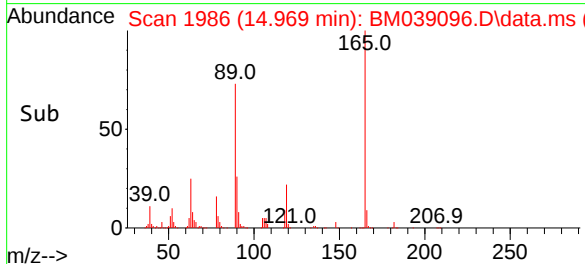
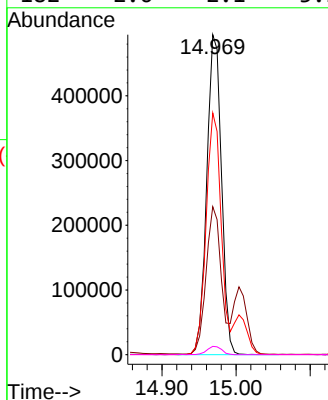
Ion Ratio Lower Upper

165 100

63 46.2 35.9 53.9

89 75.6 61.0 91.6

182 2.6 2.1 3.1



#58

Fluorene

Concen: 49.068 ng

RT: 15.657 min Scan# 2103

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

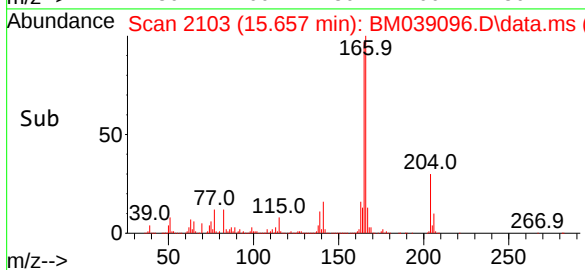
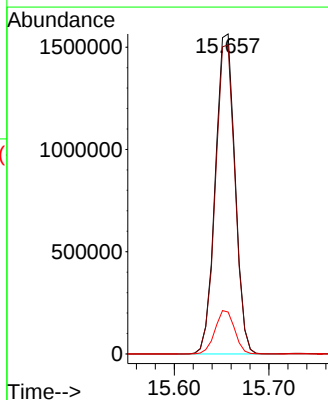
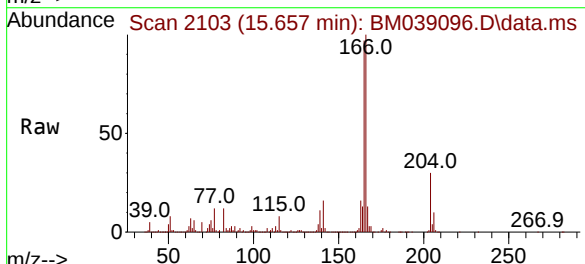
Tgt Ion:166 Resp: 2259216

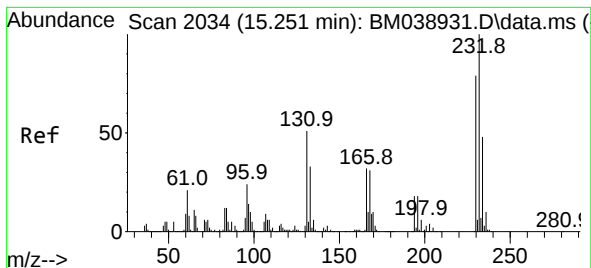
Ion Ratio Lower Upper

166 100

165 96.6 77.1 115.7

167 13.1 10.9 16.3

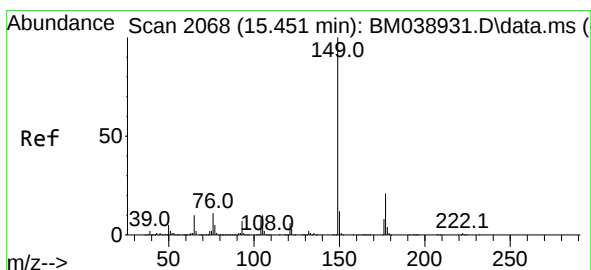
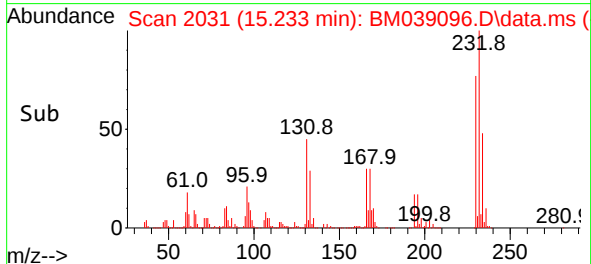
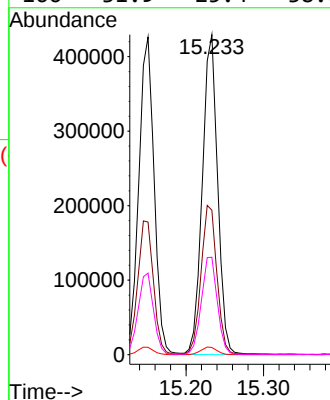
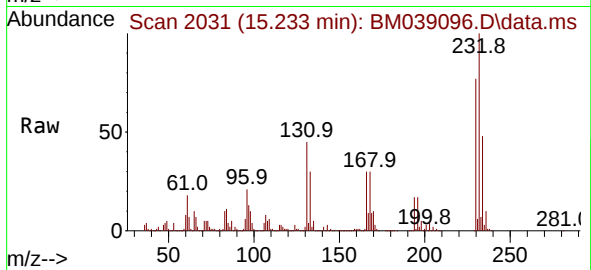




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.501 ng
RT: 15.233 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

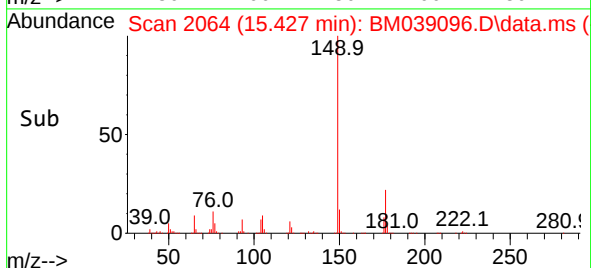
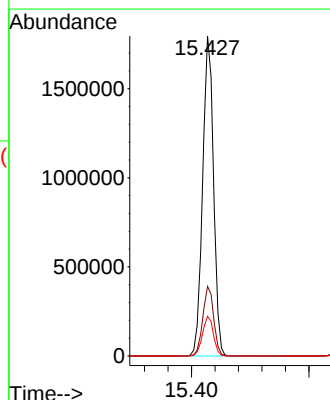
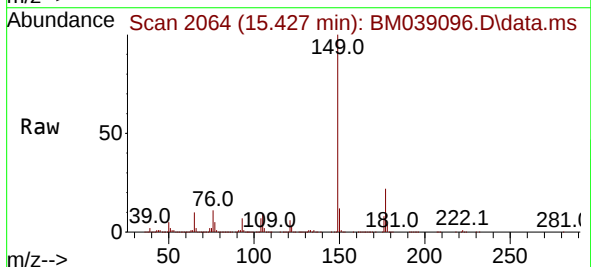
Instrument :
BNA_M
ClientSampleId :
031023-3MS

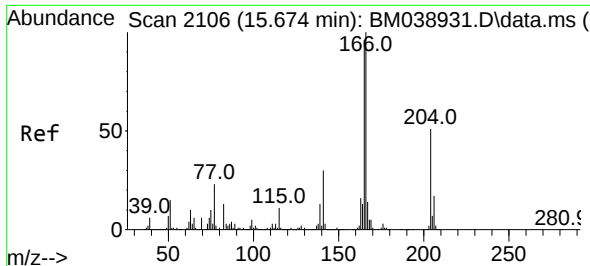
Tgt Ion:232 Resp: 587846
Ion Ratio Lower Upper
232 100
131 48.5 40.0 60.0
130 2.5 2.0 3.0
166 31.9 25.4 38.0



#60
Diethylphthalate
Concen: 51.130 ng
RT: 15.427 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:149 Resp: 2299357
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.4 9.7 14.5

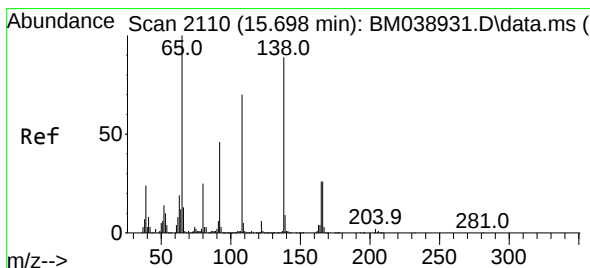
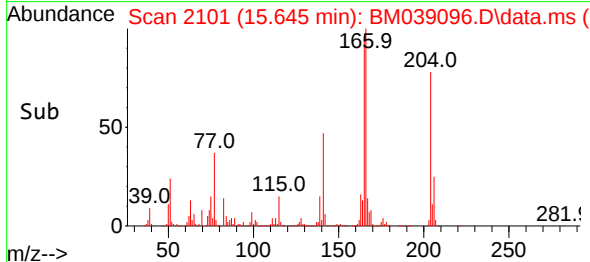
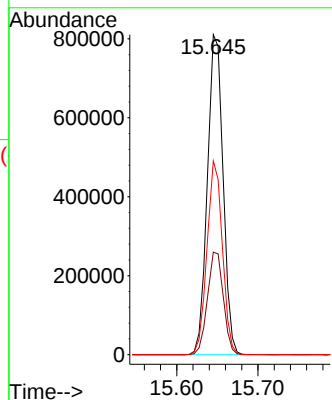
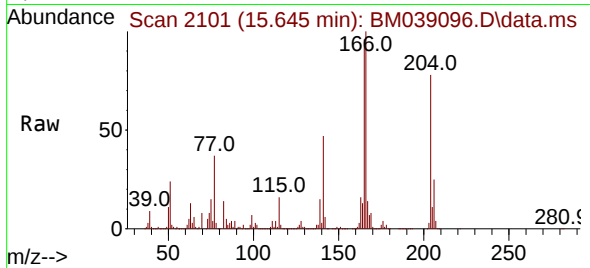




#61
4-Chlorophenyl-phenylether
Concen: 47.958 ng
RT: 15.645 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

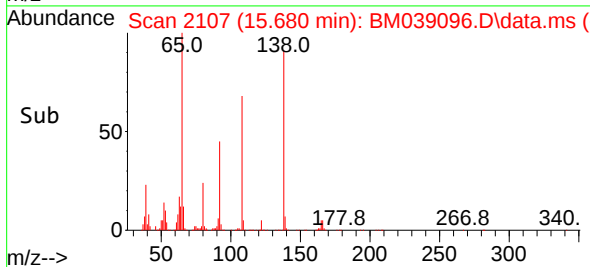
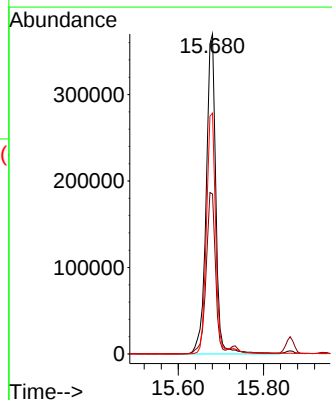
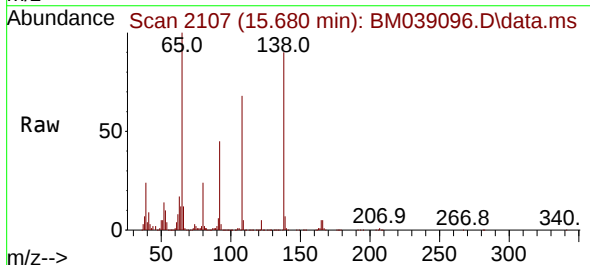
Instrument :
BNA_M
ClientSampleId :
031023-3MS

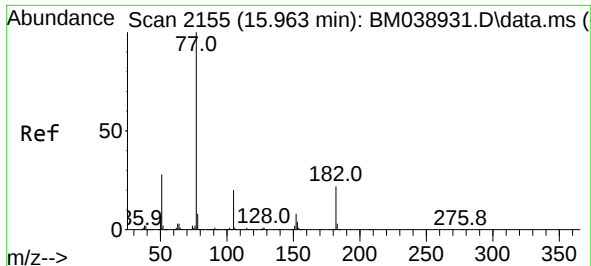
Tgt Ion:204 Resp: 1084783
Ion Ratio Lower Upper
204 100
206 32.1 26.4 39.6
141 60.5 46.4 69.6



#62
4-Nitroaniline
Concen: 47.777 ng
RT: 15.680 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:138 Resp: 580967
Ion Ratio Lower Upper
138 100
92 50.0 31.6 71.6
108 75.3 58.6 98.6



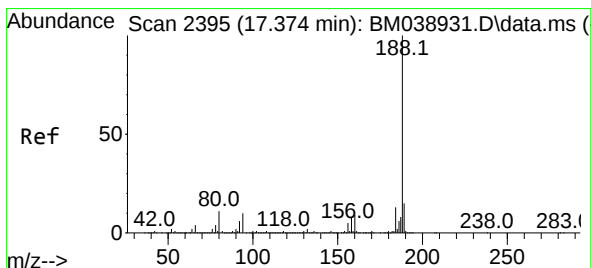
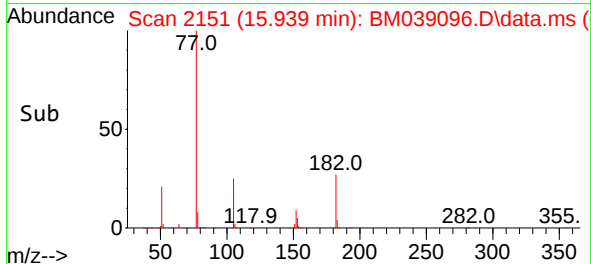
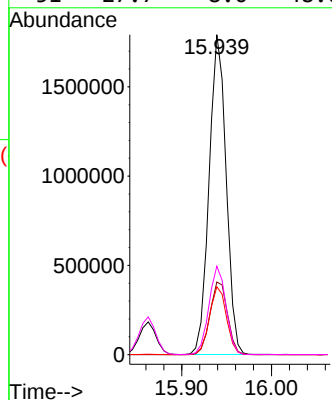
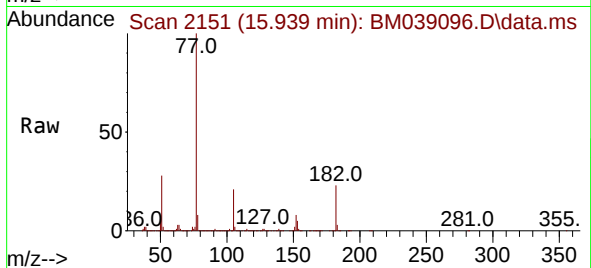


#63
Azobenzene
Concen: 49.529 ng
RT: 15.939 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Instrument :
BNA_M
ClientSampleId :
031023-3MS

Tgt Ion: 77 Resp: 2356789

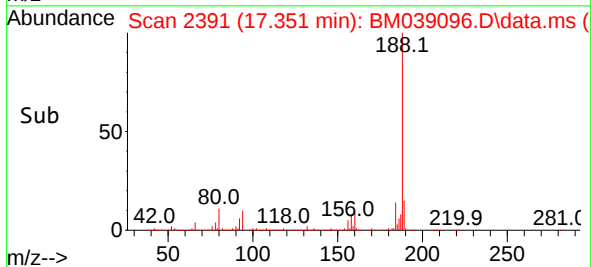
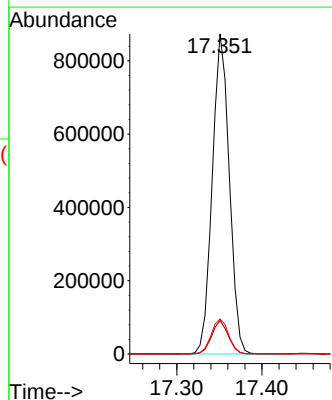
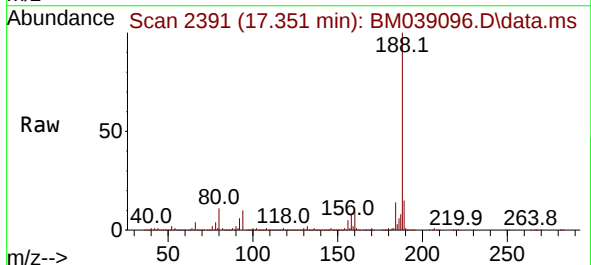
Ion	Ratio	Lower	Upper
77	100		
182	22.7	2.0	42.0
105	21.2	0.4	40.4
51	27.7	8.0	48.0

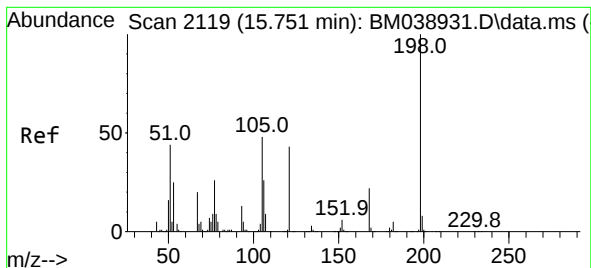


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion: 188 Resp: 1212342

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.9	11.9
80	11.0	8.5	12.7

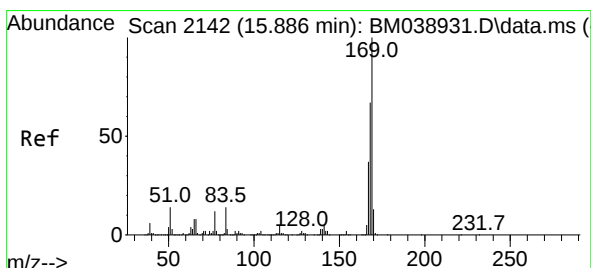
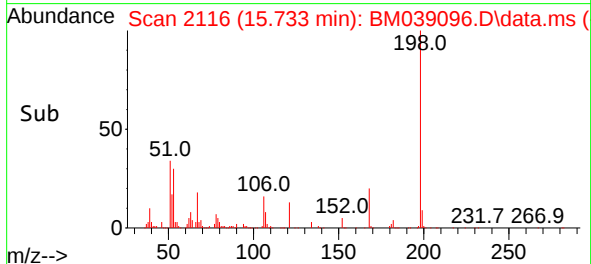
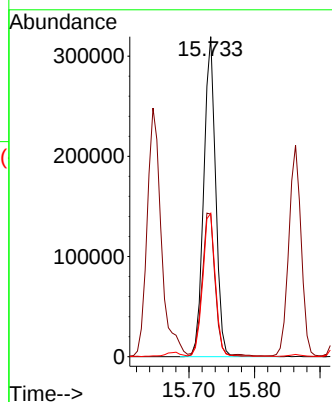
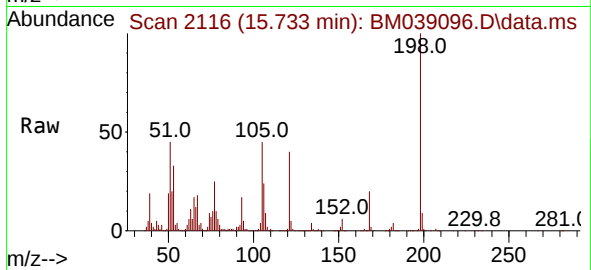




#65
4,6-Dinitro-2-methylphenol
Concen: 50.439 ng
RT: 15.733 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

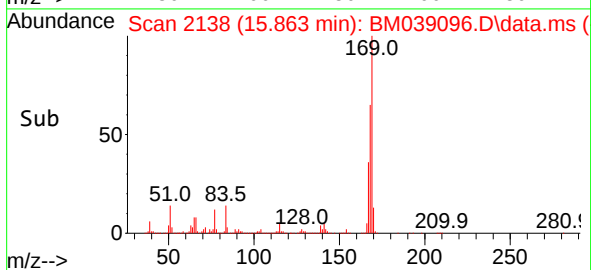
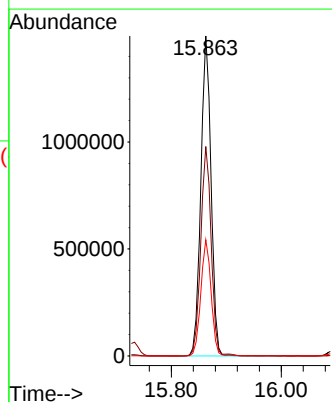
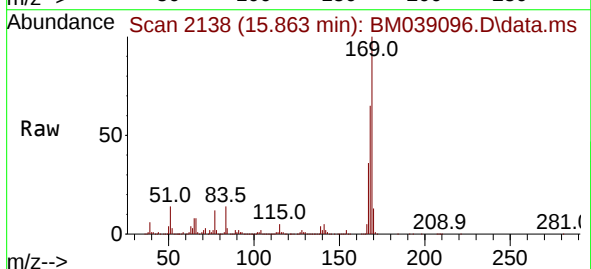
Instrument :
BNA_M
ClientSampleId :
031023-3MS

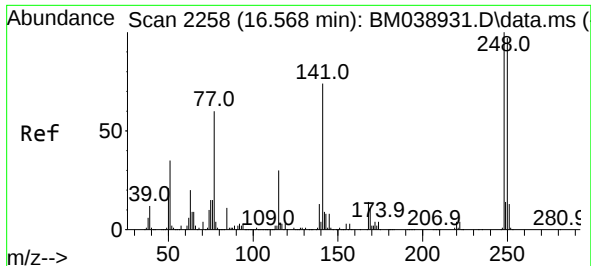
Tgt Ion:198 Resp: 404166
Ion Ratio Lower Upper
198 100
51 44.6 30.1 70.1
105 44.8 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 47.226 ng
RT: 15.863 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:169 Resp: 1930155
Ion Ratio Lower Upper
169 100
168 65.4 53.4 80.0
167 36.3 29.4 44.0

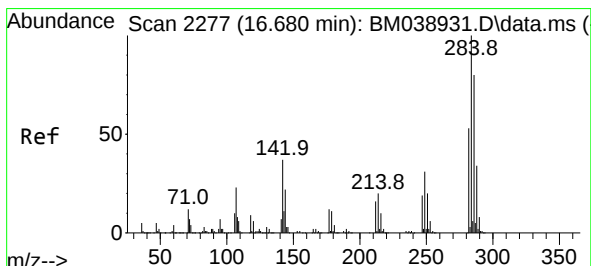
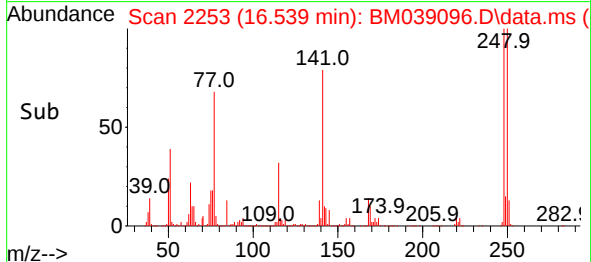
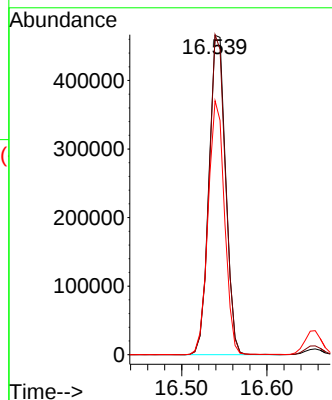
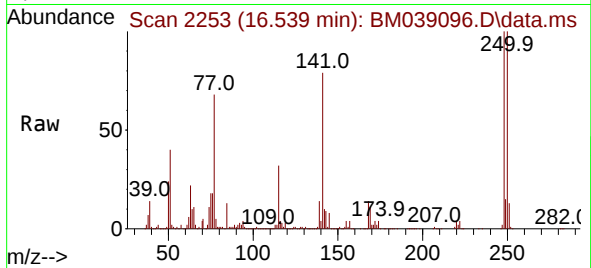




#67
4-Bromophenyl-phenylether
Concen: 48.481 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

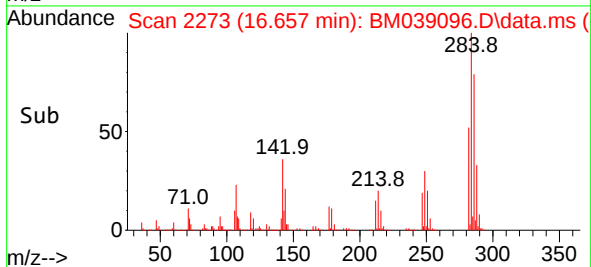
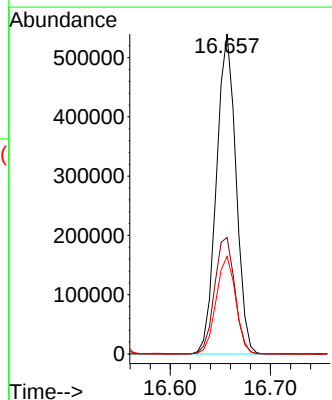
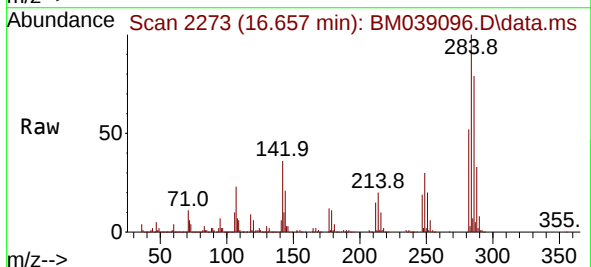
Instrument :
BNA_M
ClientSampleId :
031023-3MS

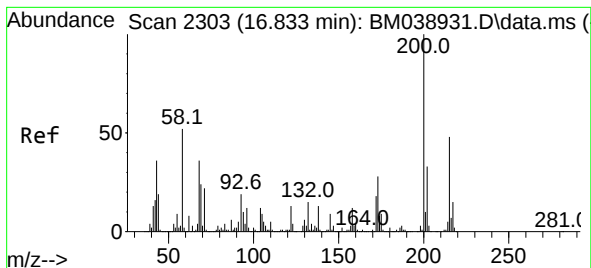
Tgt Ion:248 Resp: 634837
Ion Ratio Lower Upper
248 100
250 100.2 77.8 116.8
141 79.5 59.0 88.4



#68
Hexachlorobenzene
Concen: 49.885 ng
RT: 16.657 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:284 Resp: 730246
Ion Ratio Lower Upper
284 100
142 36.4 29.5 44.3
249 30.5 25.0 37.4





#69

Atrazine

Concen: 53.571 ng

RT: 16.816 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

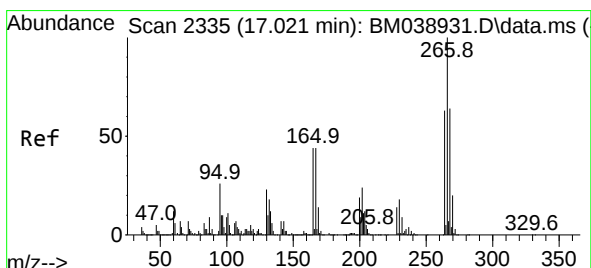
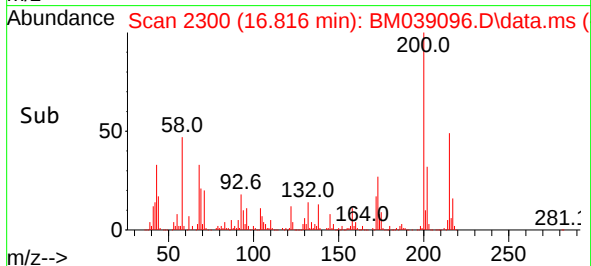
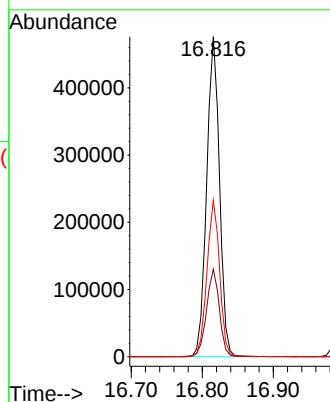
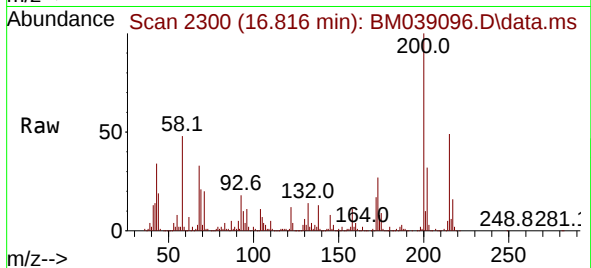
Tgt Ion:200 Resp: 598049

Ion Ratio Lower Upper

200 100

173 27.3 8.2 48.2

215 48.8 27.8 67.8



#70

Pentachlorophenol

Concen: 93.253 ng

RT: 17.004 min Scan# 2332

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

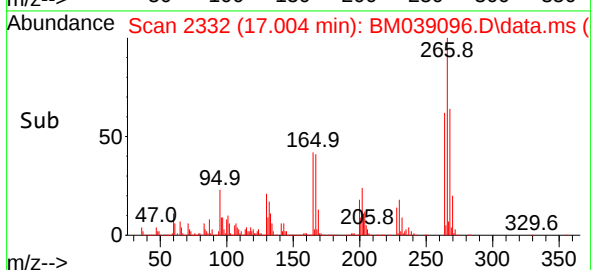
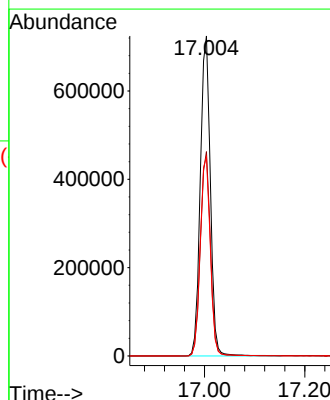
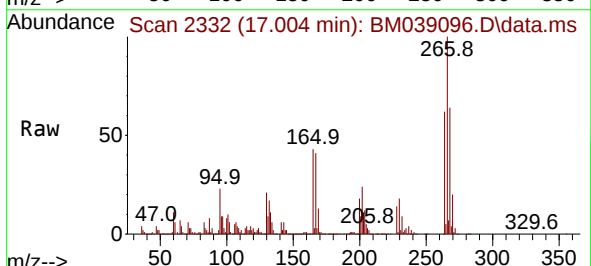
Tgt Ion:266 Resp: 1004022

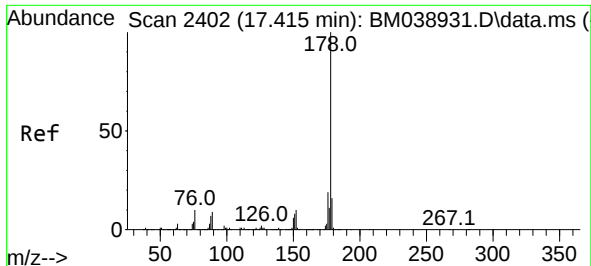
Ion Ratio Lower Upper

266 100

268 63.9 51.0 76.4

264 62.2 50.3 75.5

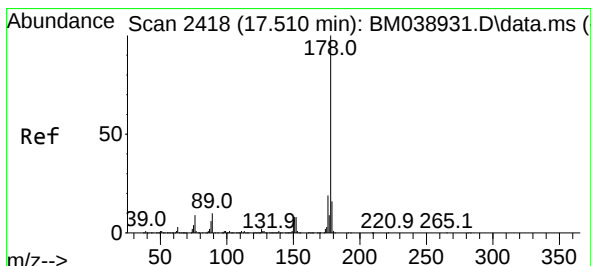
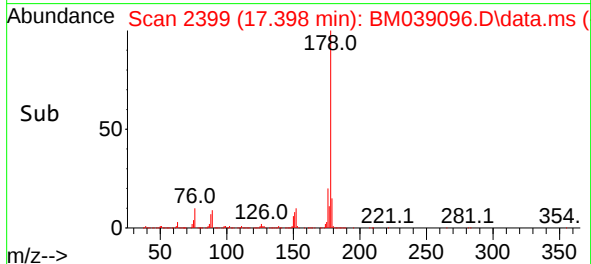
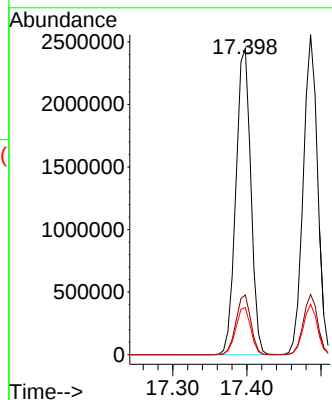
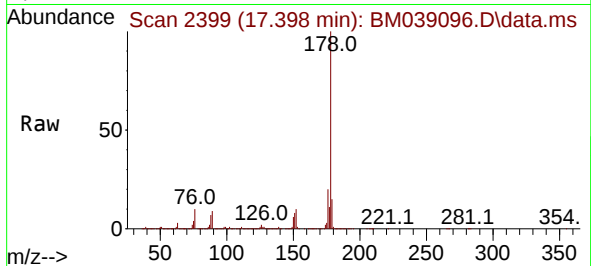




#71
Phenanthrene
Concen: 48.061 ng
RT: 17.398 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

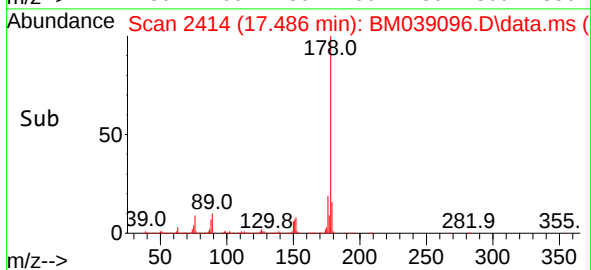
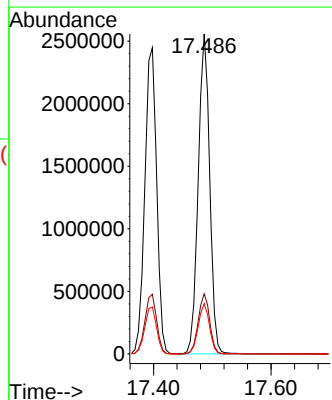
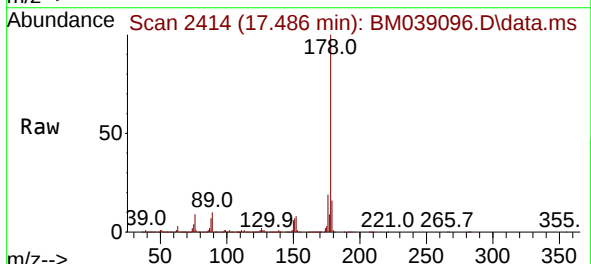
Instrument :
BNA_M
ClientSampleId :
031023-3MS

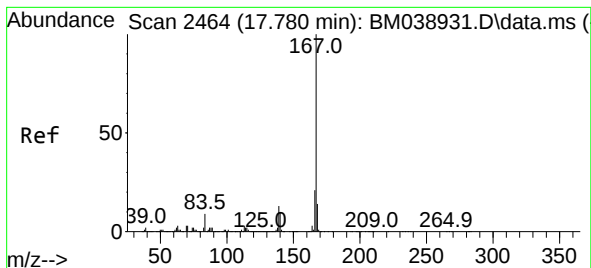
Tgt Ion:178 Resp: 3419693
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.4 12.5 18.7



#72
Anthracene
Concen: 48.735 ng
RT: 17.486 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:178 Resp: 3458105
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.8 12.5 18.7





#73

Carbazole

Concen: 51.148 ng

RT: 17.757 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

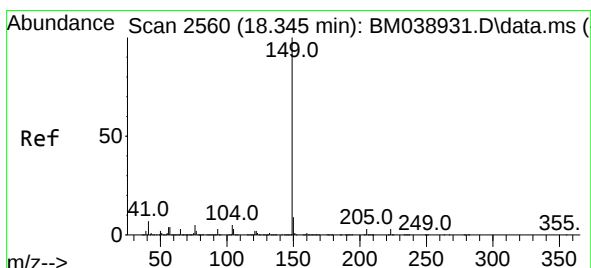
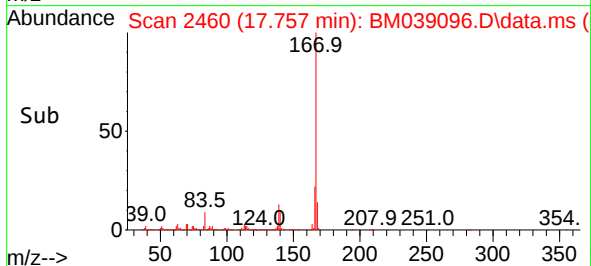
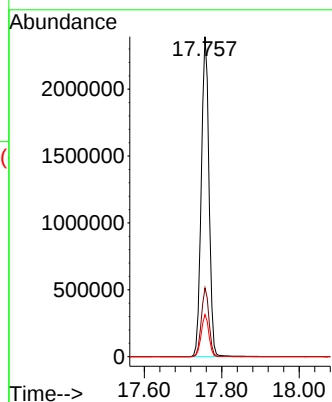
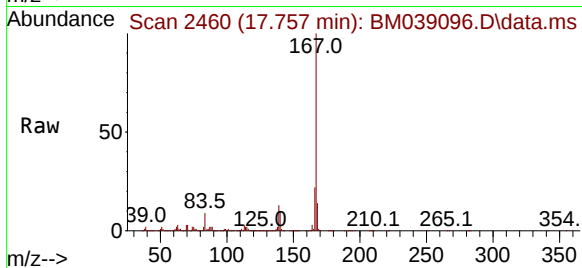
Tgt Ion:167 Resp: 3312350

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.4

139 13.2 10.3 15.5



#74

Di-n-butylphthalate

Concen: 50.709 ng

RT: 18.321 min Scan# 2556

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

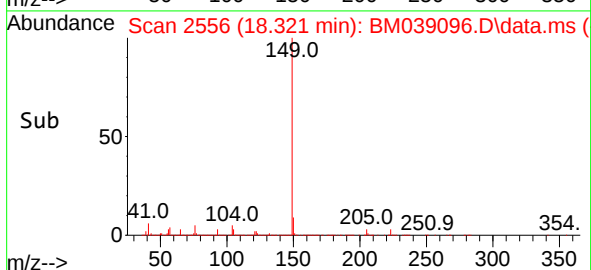
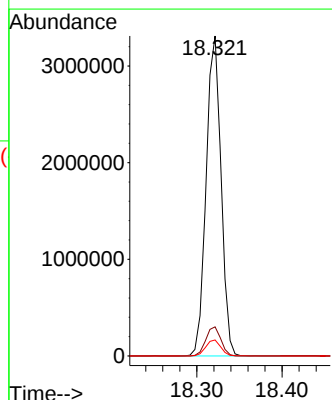
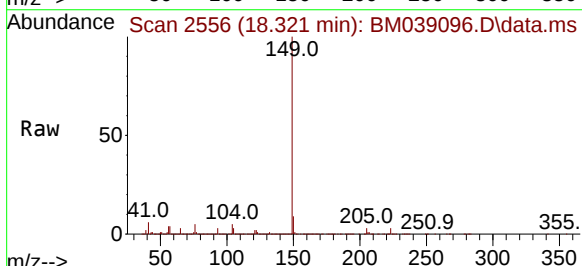
Tgt Ion:149 Resp: 4013684

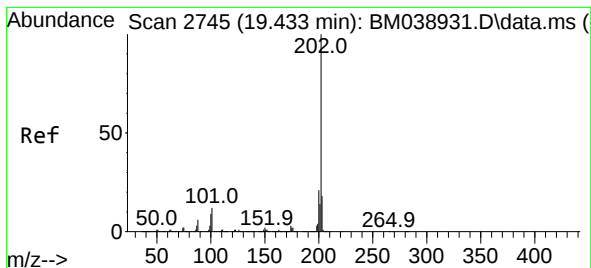
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.0 4.3 6.5





#75

Fluoranthene

Concen: 50.241 ng

RT: 19.409 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

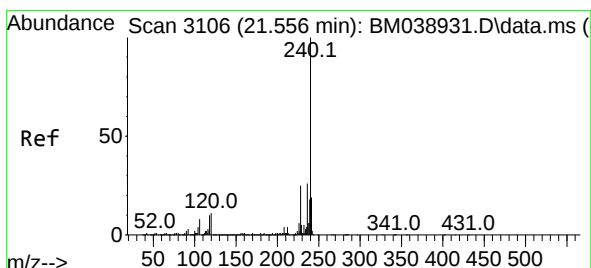
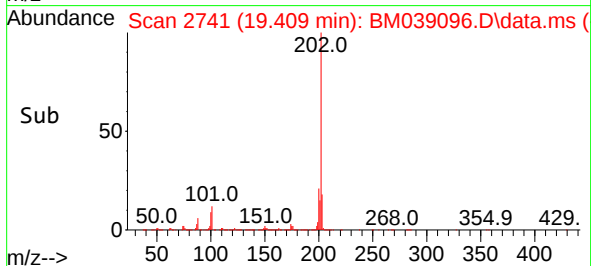
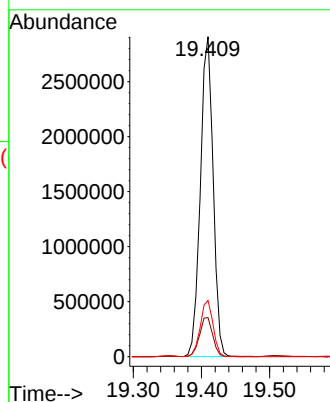
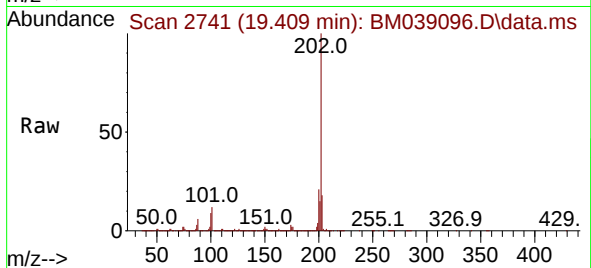
Tgt Ion:202 Resp: 3774429

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.7

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3102

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

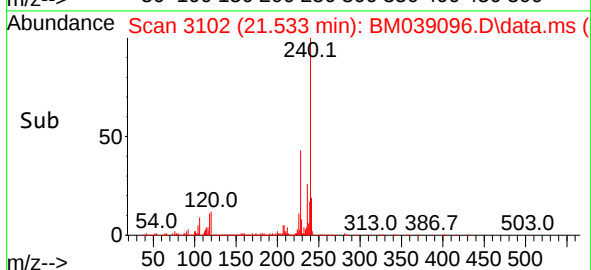
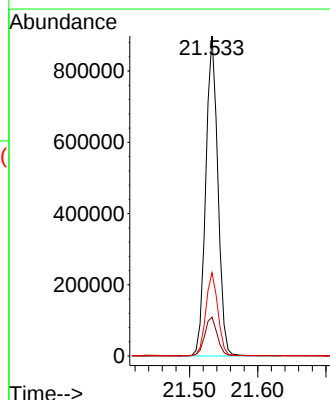
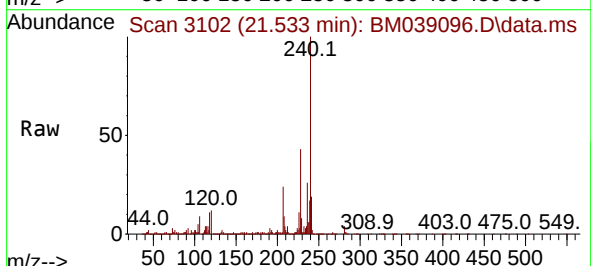
Tgt Ion:240 Resp: 1109410

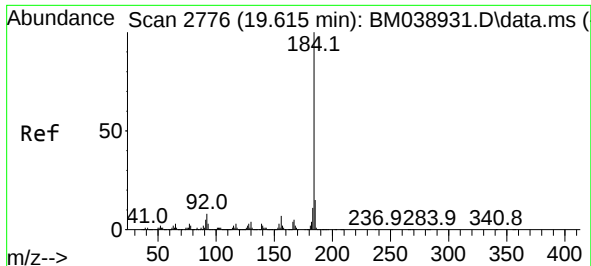
Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

236 26.0 20.8 31.2

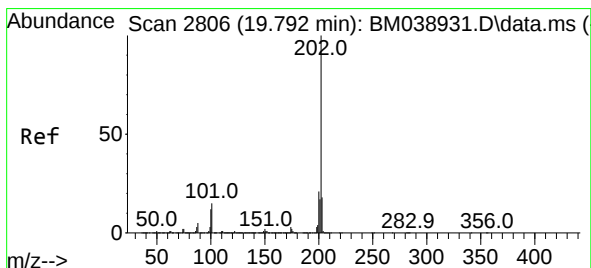
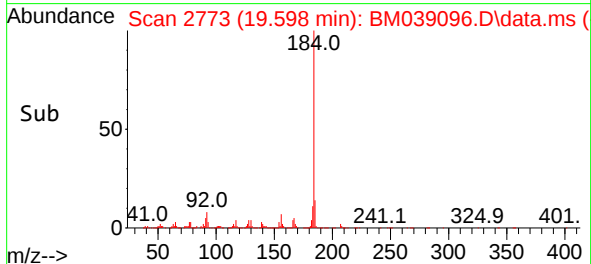
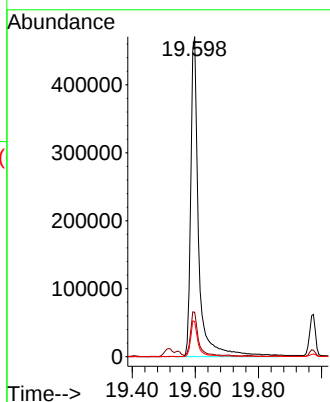
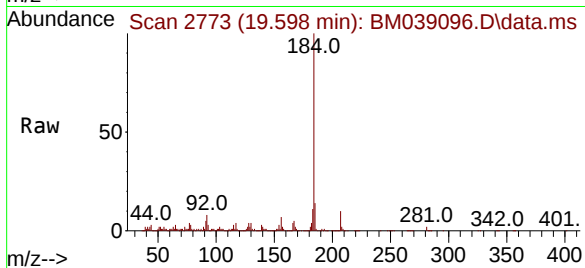




#77
Benzidine
Concen: 34.303 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

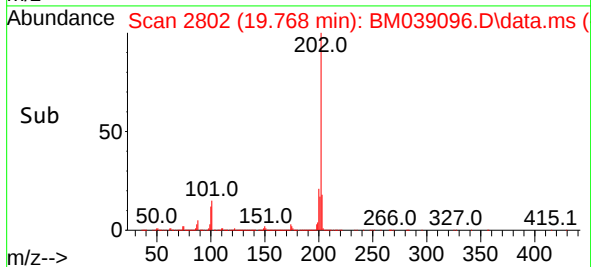
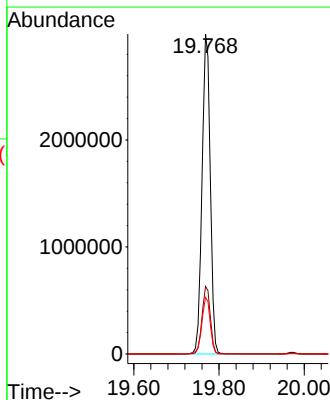
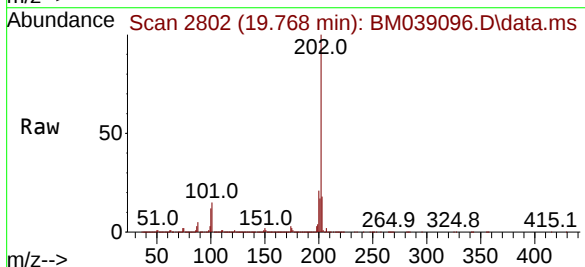
Instrument :
BNA_M
ClientSampleId :
031023-3MS

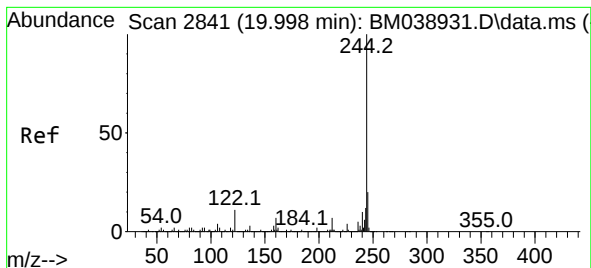
Tgt Ion:184 Resp: 828303
Ion Ratio Lower Upper
184 100
185 13.9 12.2 18.4
183 11.0 8.8 13.2



#78
Pyrene
Concen: 47.991 ng
RT: 19.768 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:202 Resp: 3998874
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 93.236 ng

RT: 19.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

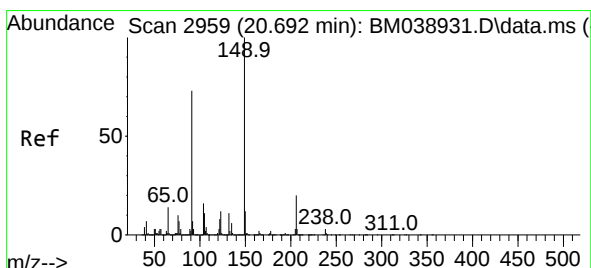
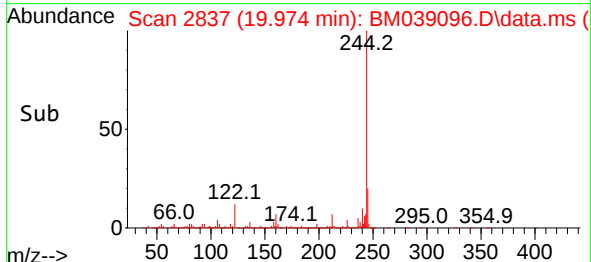
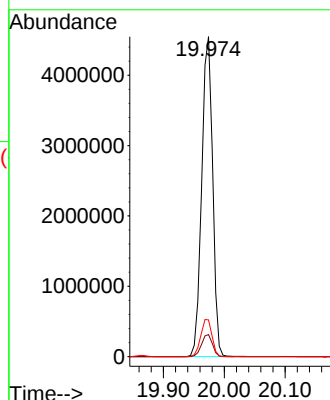
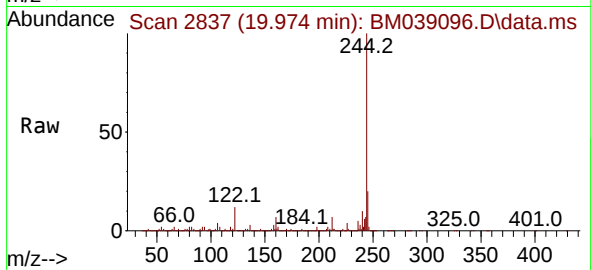
Tgt Ion:244 Resp: 5657439

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.5 9.0 13.4



#80

Butylbenzylphthalate

Concen: 51.087 ng

RT: 20.668 min Scan# 2955

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

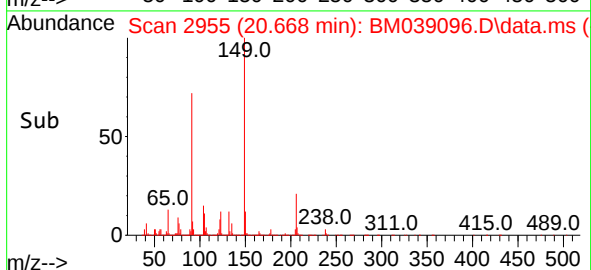
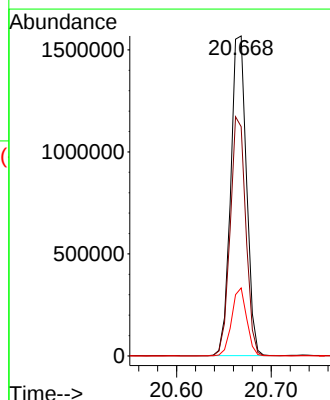
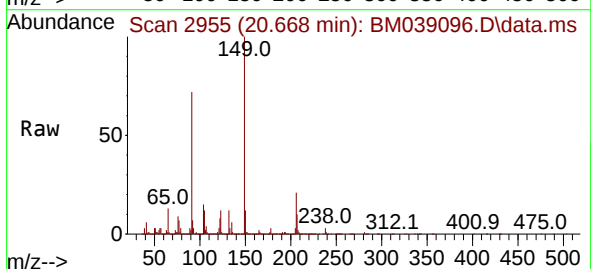
Tgt Ion:149 Resp: 1818153

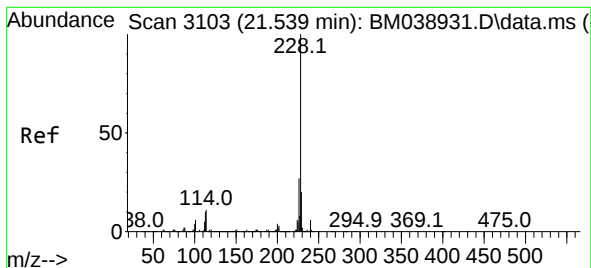
Ion Ratio Lower Upper

149 100

91 71.7 58.4 87.6

206 21.3 16.1 24.1





#81

Benzo(a)anthracene

Concen: 48.795 ng

RT: 21.515 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

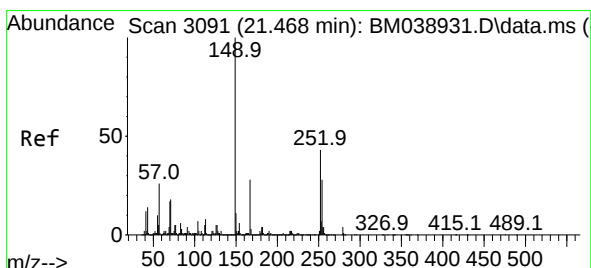
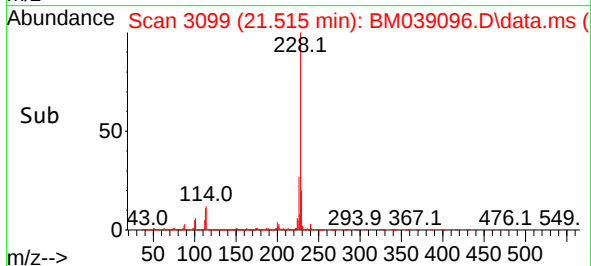
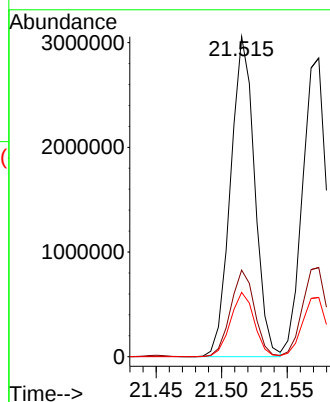
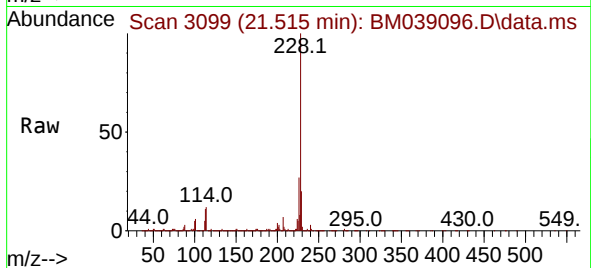
Tgt Ion:228 Resp: 3898443

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 40.257 ng

RT: 21.451 min Scan# 3088

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

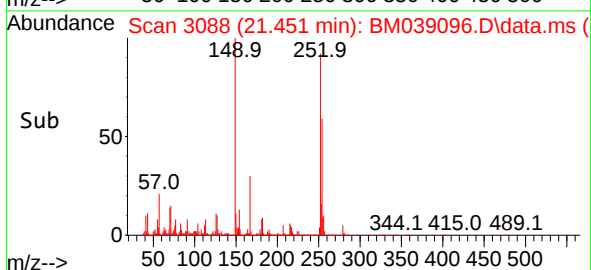
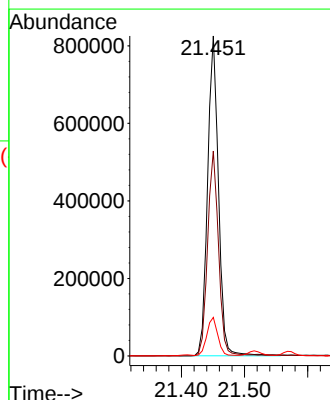
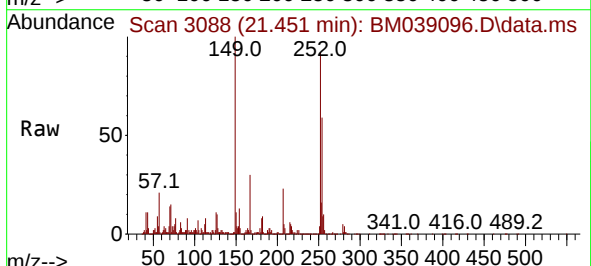
Tgt Ion:252 Resp: 988491

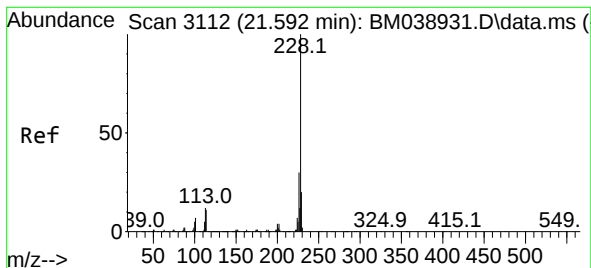
Ion Ratio Lower Upper

252 100

254 64.0 51.5 77.3

126 12.0 9.9 14.9





#83

Chrysene

Concen: 47.435 ng

RT: 21.574 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

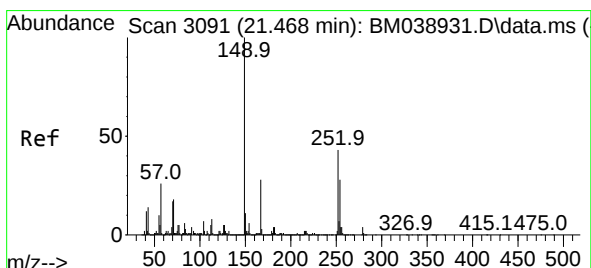
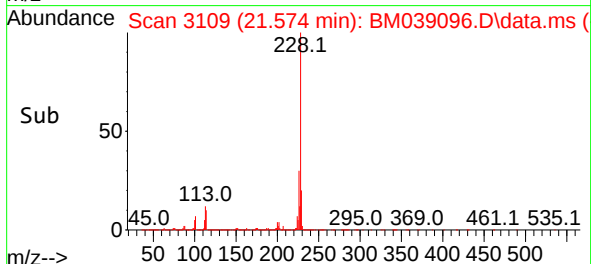
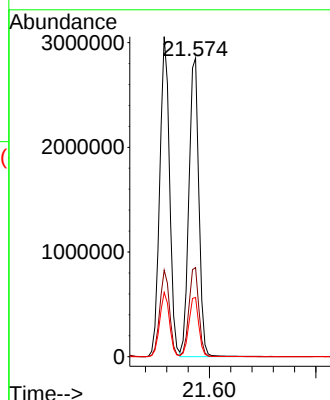
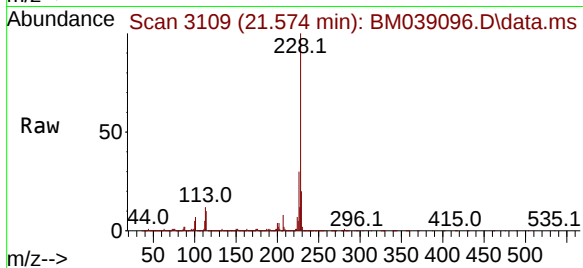
Tgt Ion:228 Resp: 3685874

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 19.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.296 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

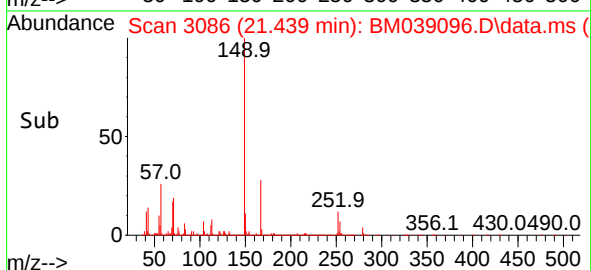
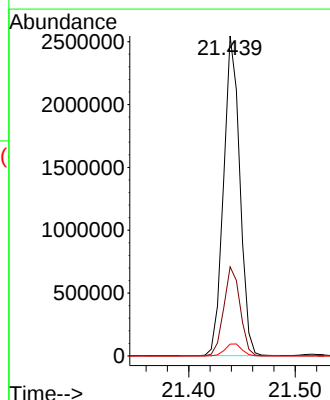
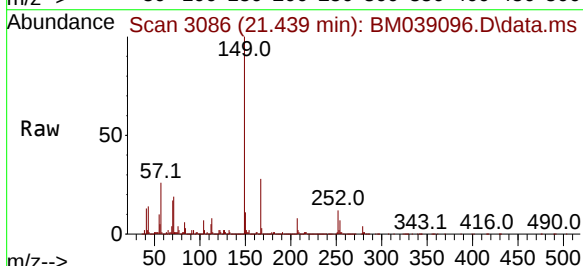
Tgt Ion:149 Resp: 2691033

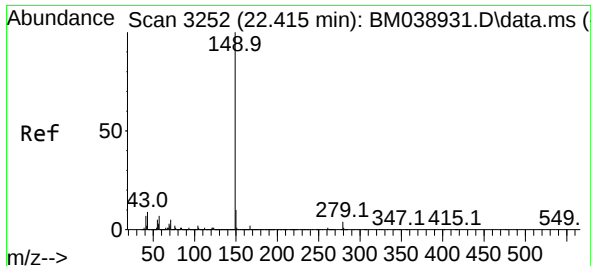
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 3.7 3.2 4.8

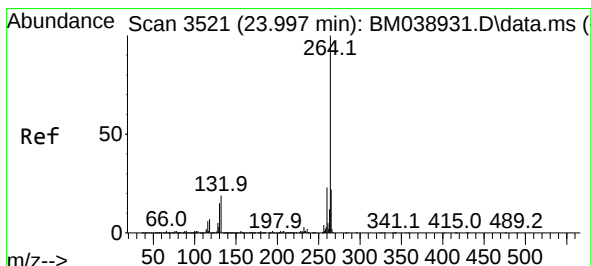
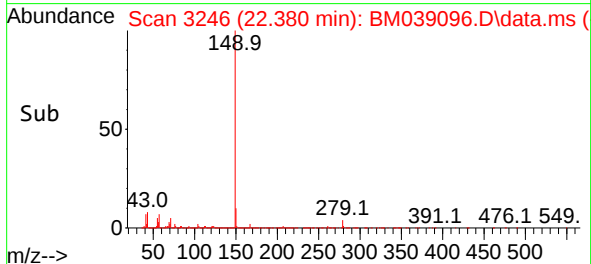
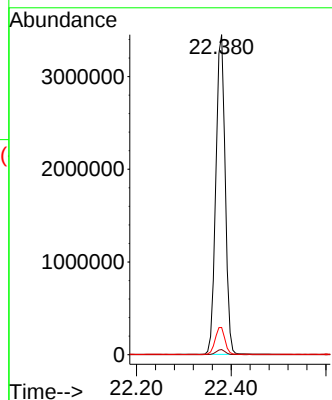
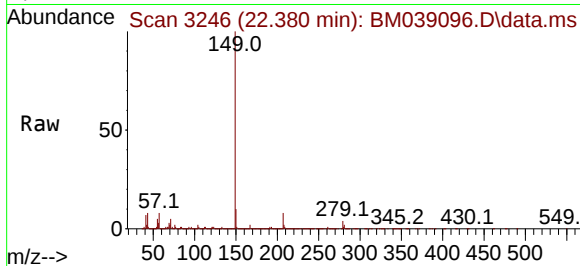




#85
Di-n-octyl phthalate
Concen: 54.860 ng
RT: 22.380 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

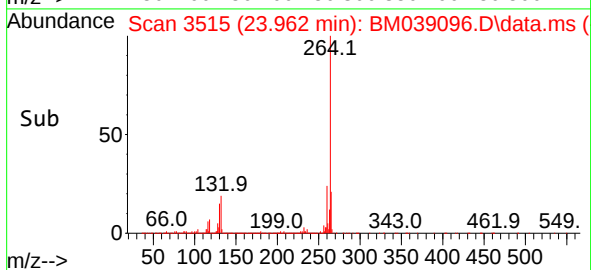
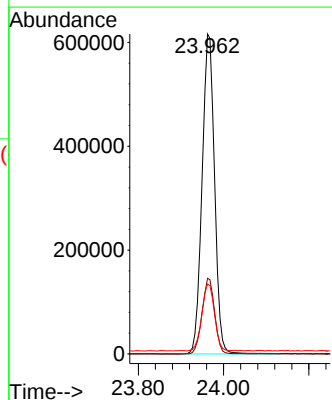
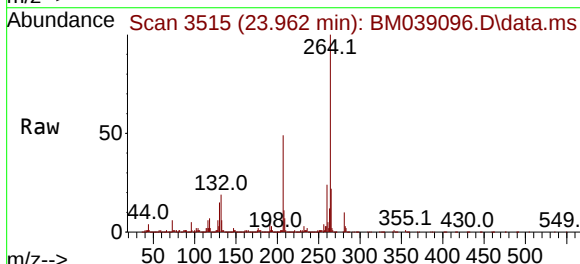
Instrument :
BNA_M
ClientSampleId :
031023-3MS

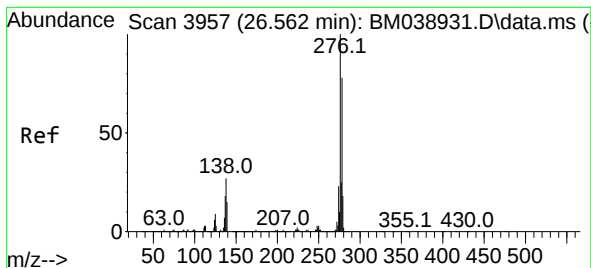
Tgt Ion:149 Resp: 4713827
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.8 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:264 Resp: 1251608
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.658 ng

RT: 26.503 min Scan# 3947

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

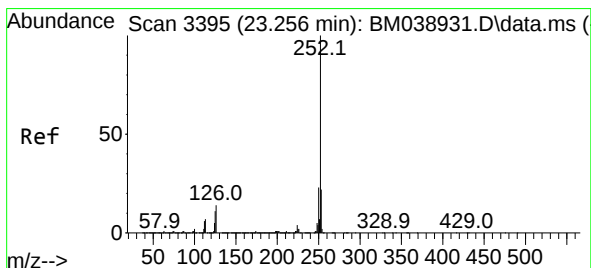
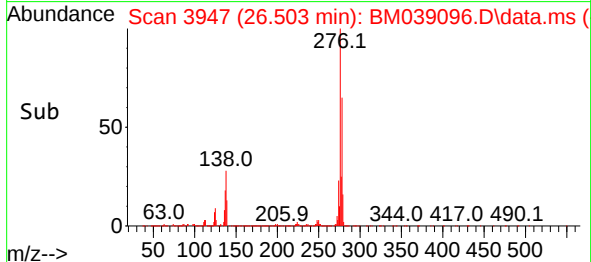
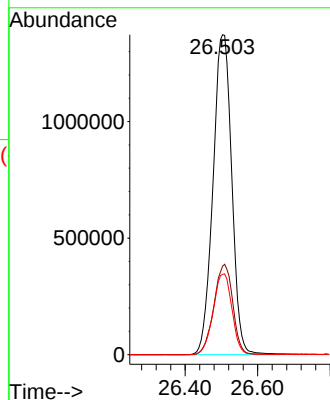
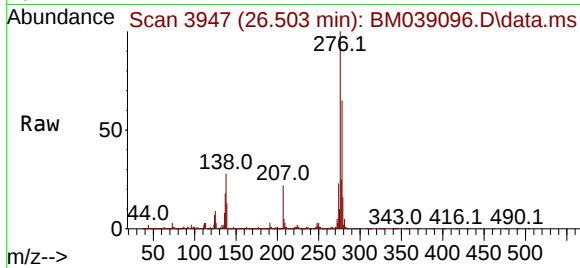
Tgt Ion:276 Resp: 4919781

Ion Ratio Lower Upper

276 100

138 28.6 22.1 33.1

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 52.802 ng

RT: 23.227 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

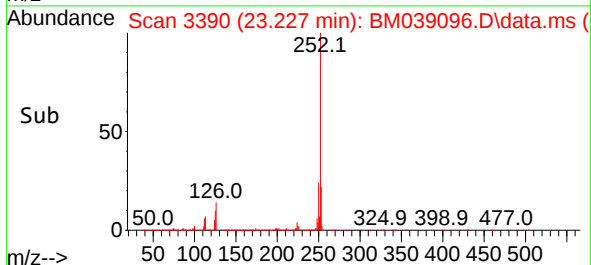
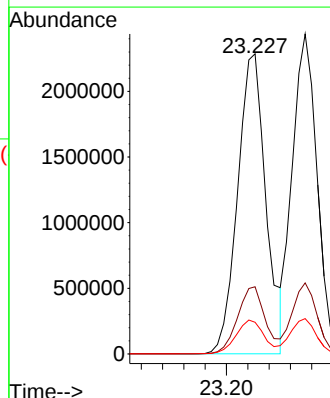
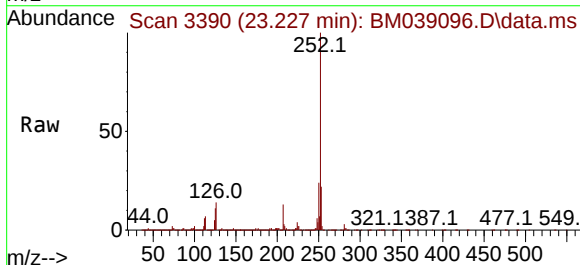
Tgt Ion:252 Resp: 4222077

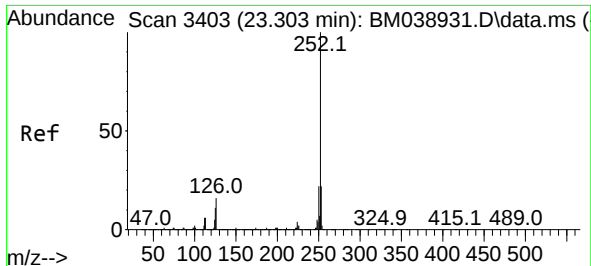
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.5 8.8 13.2

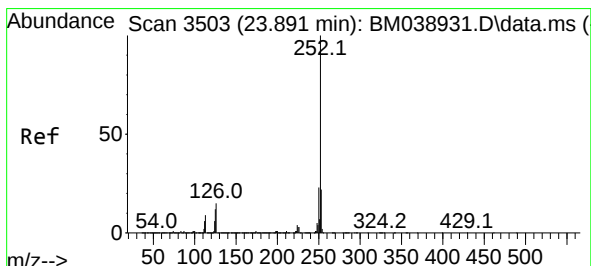
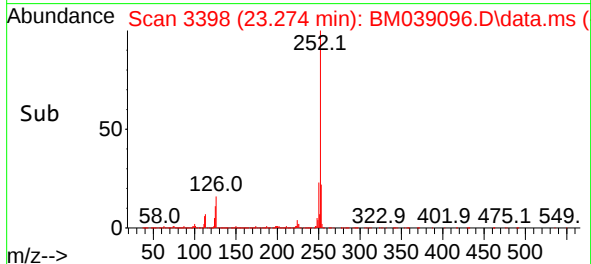
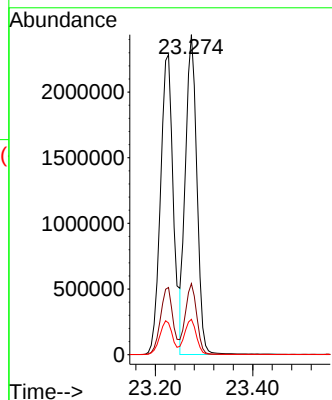
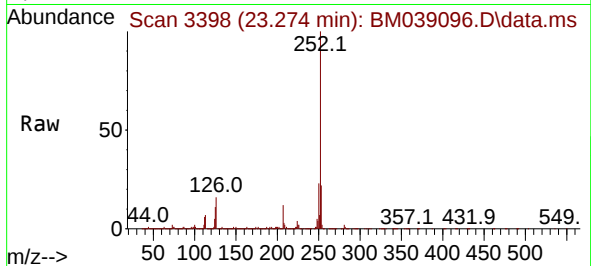




#89
Benzo(k)fluoranthene
Concen: 47.556 ng
RT: 23.274 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

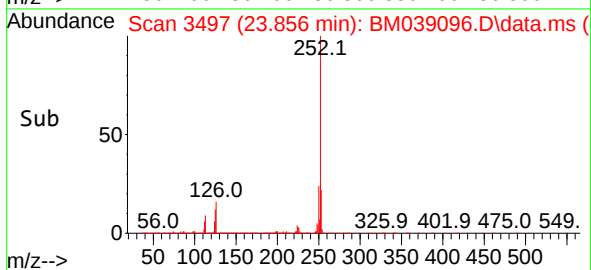
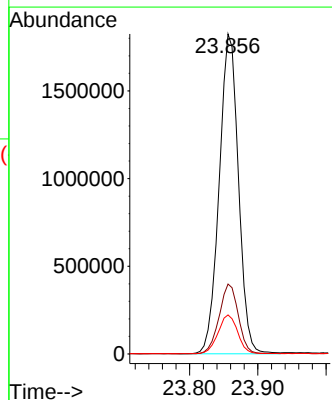
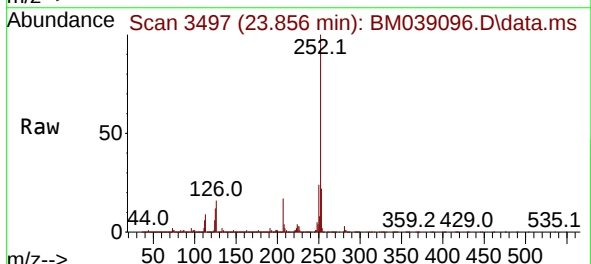
Instrument :
BNA_M
ClientSampleId :
031023-3MS

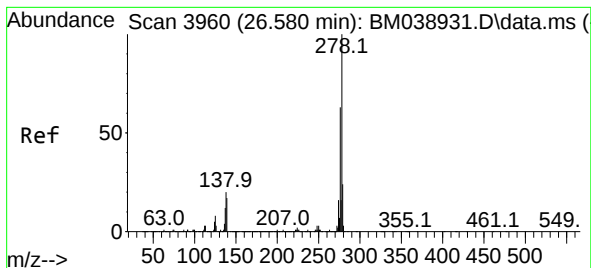
Tgt Ion:252 Resp: 3957396
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.1 8.9 13.3



#90
Benzo(a)pyrene
Concen: 46.554 ng
RT: 23.856 min Scan# 3497
Delta R.T. 0.000 min
Lab File: BM039096.D
Acq: 22 Mar 2023 17:31

Tgt Ion:252 Resp: 3582603
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 12.2 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 51.616 ng

RT: 26.521 min Scan# 3960

Delta R.T. 0.012 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Instrument :

BNA_M

ClientSampleId :

031023-3MS

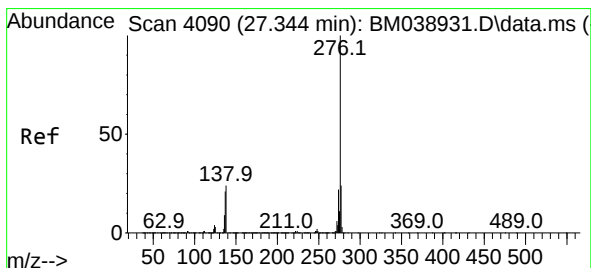
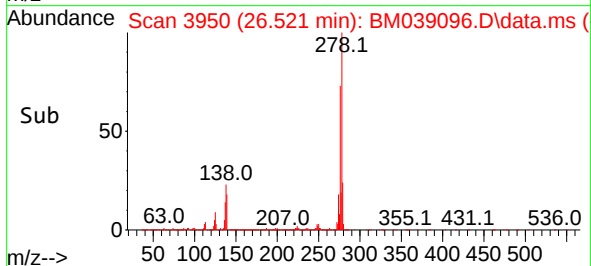
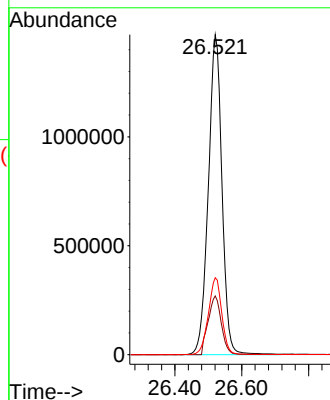
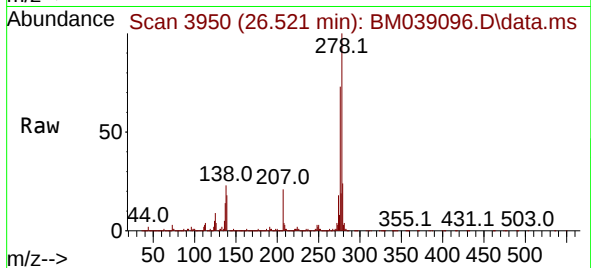
Tgt Ion:278 Resp: 4163066

Ion Ratio Lower Upper

278 100

139 18.3 13.7 20.5

279 24.0 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 51.362 ng

RT: 27.285 min Scan# 4080

Delta R.T. 0.012 min

Lab File: BM039096.D

Acq: 22 Mar 2023 17:31

Tgt Ion:276 Resp: 4052925

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 24.4 19.0 28.6

