

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039077.D
 Acq On : 21 Mar 2023 20:14
 Operator : CG/JU
 Sample : 02001-07MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MSD

Quant Time: Mar 22 03:44:04 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	385746	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1588676	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	854769	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1523604	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1130068	20.000	ng	0.00
86) Perylene-d12	23.962	264	1356944	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	3123104	123.006	ng	0.00
7) Phenol-d6	7.134	99	4005581	121.459	ng	0.00
23) Nitrobenzene-d5	9.139	82	2430857	75.161	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1118186	113.082	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	4605229	70.137	ng	0.00
79) Terphenyl-d14	19.974	244	4652091	75.266	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	399309	35.351	ng	99
3) Pyridine	3.793	79	1041794	33.256	ng	98
4) n-Nitrosodimethylamine	3.704	42	513268	40.264	ng	92
6) Aniline	7.292	93	1750983	40.437	ng	99
8) 2-Chlorophenol	7.528	128	1354592	50.113	ng	99
9) Benzaldehyde	7.104	77	943148	60.098	ng	97
10) Phenol	7.157	94	1744323	49.807	ng	99
11) bis(2-Chloroethyl)ether	7.392	93	1345412	47.251	ng	99
12) 1,3-Dichlorobenzene	7.857	146	1388016	48.319	ng	98
13) 1,4-Dichlorobenzene	8.004	146	1407970	48.193	ng	98
14) 1,2-Dichlorobenzene	8.322	146	1363656	48.456	ng	99
15) Benzyl Alcohol	8.210	79	1171505	49.560	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1770215	49.227	ng	99
17) 2-Methylphenol	8.416	107	1131511	47.033	ng	98
18) Hexachloroethane	9.051	117	541799	50.263	ng	97
19) n-Nitroso-di-n-propyla...	8.787	70	1031696	49.667	ng	98
20) 3+4-Methylphenols	8.745	107	1495284	46.549	ng	99
22) Acetophenone	8.798	105	2011538	45.130	ng	98
24) Nitrobenzene	9.181	77	1486190	43.720	ng	98
25) Isophorone	9.710	82	2771627	46.569	ng	100
26) 2-Nitrophenol	9.892	139	712694	47.514	ng	94
27) 2,4-Dimethylphenol	9.951	122	1243287	47.943	ng	99
28) bis(2-Chloroethoxy)met...	10.192	93	1796159	46.969	ng	99
29) 2,4-Dichlorophenol	10.428	162	1199224	48.776	ng	99
30) 1,2,4-Trichlorobenzene	10.645	180	1244888	46.335	ng	99
31) Naphthalene	10.833	128	4002088	44.178	ng	100
32) Benzoic acid	10.098	122	893151	47.068	ng	99
33) 4-Chloroaniline	10.945	127	862661	22.345	ng	100
34) Hexachlorobutadiene	11.116	225	719144	46.676	ng	99
35) Caprolactam	11.739	113	332944	44.494	ng	97
36) 4-Chloro-3-methylphenol	12.063	107	1216365	46.461	ng	98
37) 2-Methylnaphthalene	12.439	142	2664763	43.888	ng	99
38) 1-Methylnaphthalene	12.657	142	2482801	43.634	ng	99
40) 1,2,4,5-Tetrachloroben...	12.804	216	1325245	47.691	ng	99
41) Hexachlorocyclopentadiene	12.786	237	1366873	89.613	ng	99
43) 2,4,6-Trichlorophenol	13.045	196	879154	48.857	ng	98

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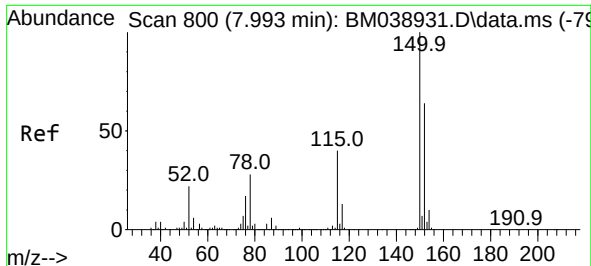
Quant Time: Mar 22 03:44:04 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	937725	44.521	ng	97
46) 1,1'-Biphenyl	13.445	154	3438423	47.483	ng	99
47) 2-Chloronaphthalene	13.486	162	2584046	47.322	ng	100
48) 2-Nitroaniline	13.692	65	751273	43.204	ng	94
49) Acenaphthylene	14.333	152	4154023	47.759	ng	99
50) Dimethylphthalate	14.069	163	2974839	45.228	ng	100
51) 2,6-Dinitrotoluene	14.186	165	640207	44.130	ng	97
52) Acenaphthene	14.674	154	2412348	45.130	ng	100
53) 3-Nitroaniline	14.516	138	505472	30.331	ng	95
54) 2,4-Dinitrophenol	14.721	184	796381	94.263	ng	91
55) Dibenzofuran	15.010	168	3661156	43.769	ng	100
56) 4-Nitrophenol	14.821	139	1137595	87.086	ng	97
57) 2,4-Dinitrotoluene	14.968	165	825322	43.324	ng	98
58) Fluorene	15.657	166	2881500	43.977	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	741528	45.650	ng	99
60) Diethylphthalate	15.433	149	2956614	46.198	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	1446084	44.924	ng	99
62) 4-Nitroaniline	15.680	138	653010	38.103	ng	97
63) Azobenzene	15.939	77	3320520	49.035	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	465818	46.679	ng	93
66) n-Nitrosodiphenylamine	15.863	169	2412343	46.966	ng	99
67) 4-Bromophenyl-phenylether	16.545	248	818452	49.734	ng	99
68) Hexachlorobenzene	16.657	284	891608	48.465	ng	99
69) Atrazine	16.815	200	744374	53.057	ng	99
70) Pentachlorophenol	17.004	266	1120503	82.811	ng	99
71) Phenanthrene	17.398	178	4463711	49.918	ng	100
72) Anthracene	17.486	178	4195866	47.052	ng	100
73) Carbazole	17.757	167	3595279	44.175	ng	99
74) Di-n-butylphthalate	18.321	149	4783397	48.180	ng	99
75) Fluoranthene	19.409	202	5736593	60.759	ng	99
77) Benzidine	19.592	184	1769590	66.595	ng	98
78) Pyrene	19.774	202	5857198	69.008	ng	100
80) Butylbenzylphthalate	20.668	149	1884242	51.918	ng	97
81) Benzo(a)anthracene	21.515	228	5036333	61.885	ng	99
82) 3,3'-Dichlorobenzidine	21.450	252	1235732	49.406	ng	100
83) Chrysene	21.574	228	4573705	57.785	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	2846316	54.208	ng	100
85) Di-n-octyl phthalate	22.380	149	4902843	55.936	ng	98
87) Indeno(1,2,3-cd)pyrene	26.509	276	5645283	54.674	ng	99
88) Benzo(b)fluoranthene	23.227	252	5314847	61.308	ng	99
89) Benzo(k)fluoranthene	23.274	252	4650559	51.547	ng	99
90) Benzo(a)pyrene	23.862	252	4810280	57.654	ng	100
91) Dibenzo(a,h)anthracene	26.521	278	4244294	48.538	ng	98
92) Benzo(g,h,i)perylene	27.285	276	4693165	54.858	ng	99

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

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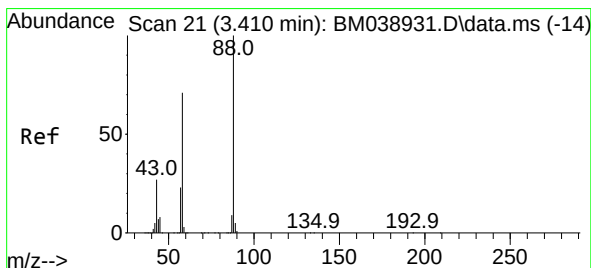
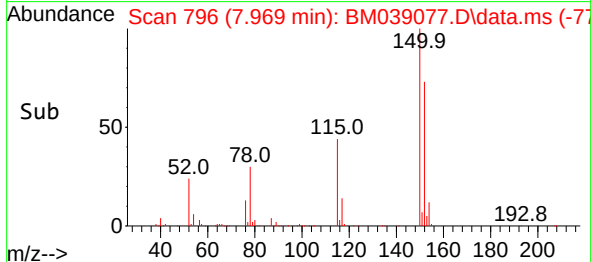
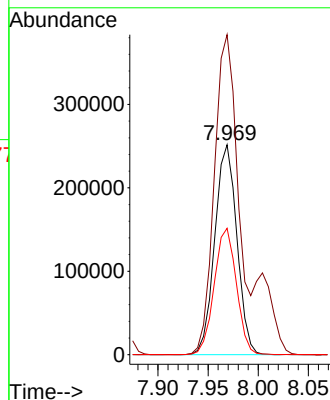
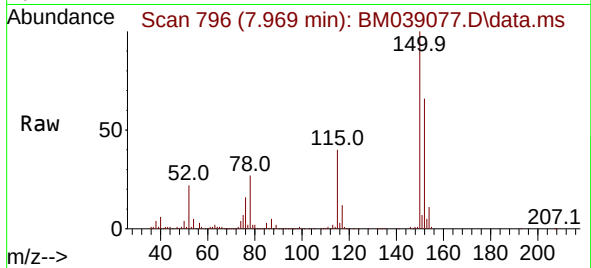




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

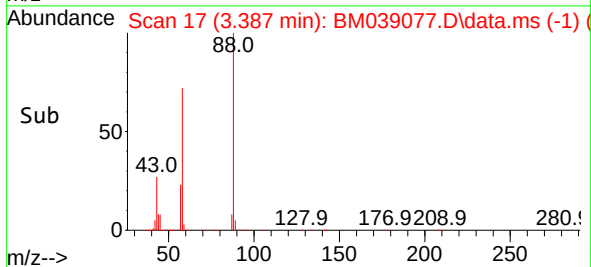
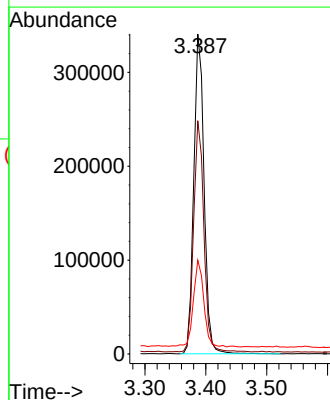
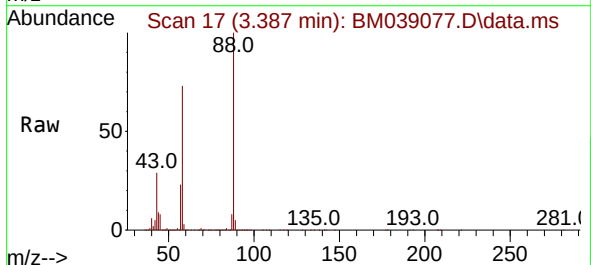
Instrument :
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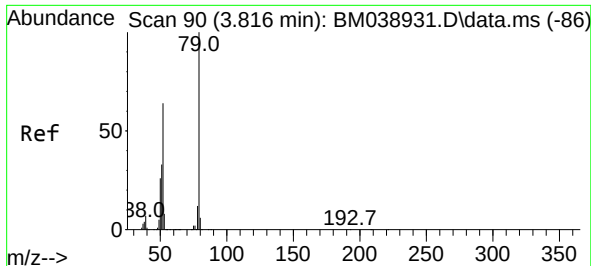
Tgt Ion:152 Resp: 385746
 Ion Ratio Lower Upper
 152 100
 150 152.4 125.1 187.7
 115 60.2 49.6 74.4



#2
 1,4-Dioxane
 Concen: 35.351 ng
 RT: 3.387 min Scan# 17
 Delta R.T. -0.006 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

Tgt Ion: 88 Resp: 399309
 Ion Ratio Lower Upper
 88 100
 58 72.2 57.2 85.8
 43 27.5 22.0 33.0



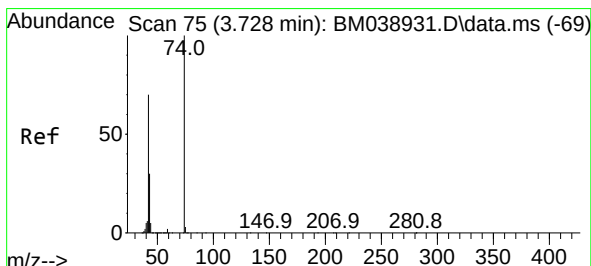
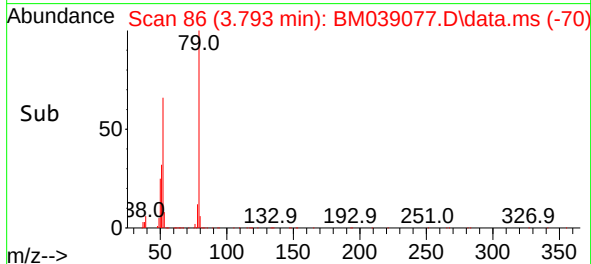
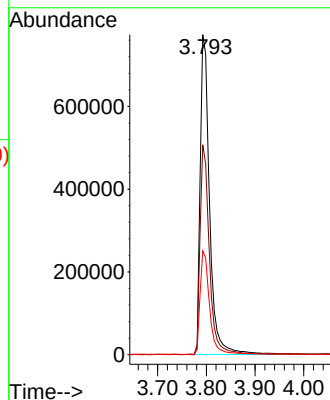
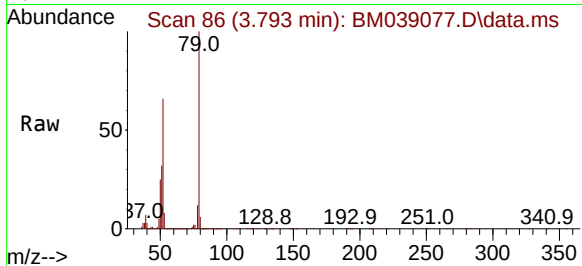


#3
 Pyridine
 Concen: 33.256 ng
 RT: 3.793 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MSD

Tgt Ion: 79 Resp: 1041794

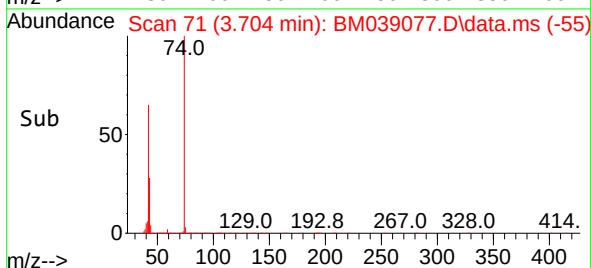
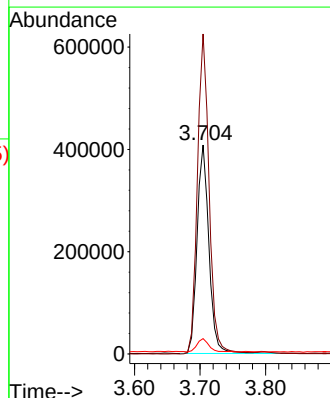
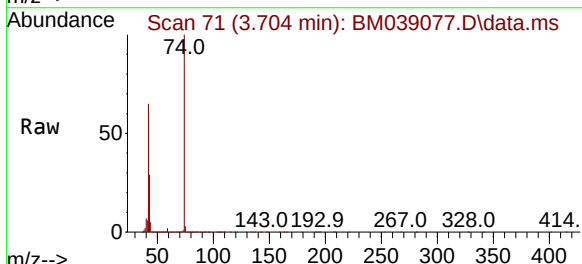
Ion	Ratio	Lower	Upper
79	100		
52	65.6	51.4	77.2
51	32.4	26.6	40.0

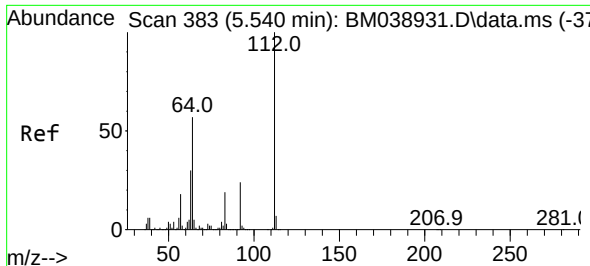


#4
 n-Nitrosodimethylamine
 Concen: 40.264 ng
 RT: 3.704 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

Tgt Ion: 42 Resp: 513268

Ion	Ratio	Lower	Upper
42	100		
74	153.2	113.8	170.8
44	7.3	6.2	9.2

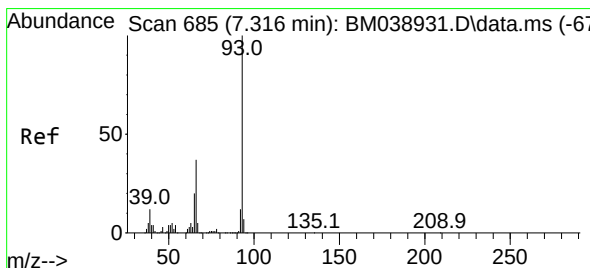
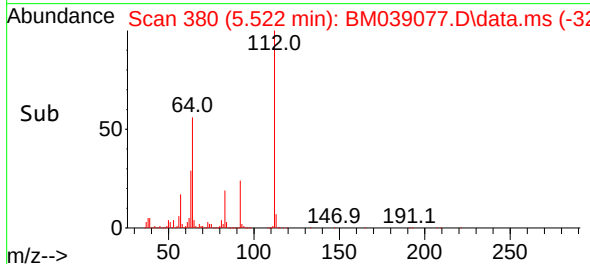
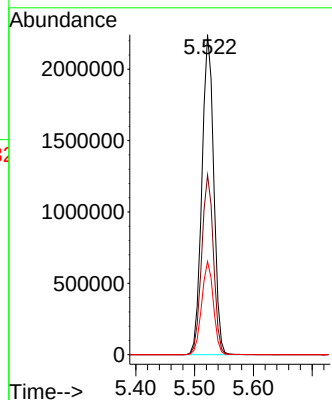
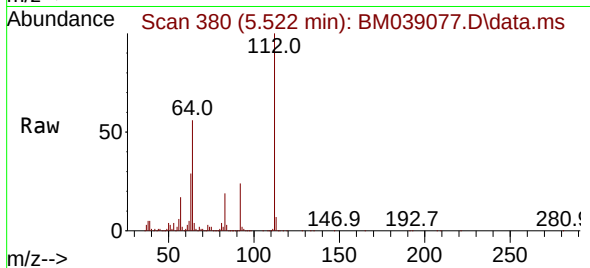




#5
2-Fluorophenol
Concen: 123.006 ng
RT: 5.522 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

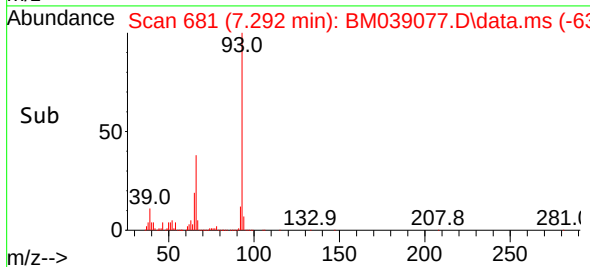
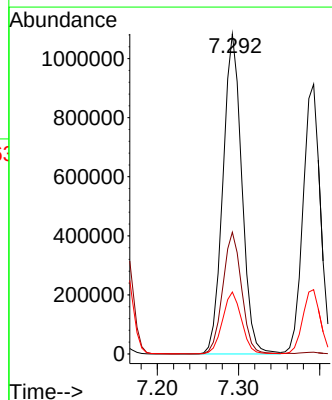
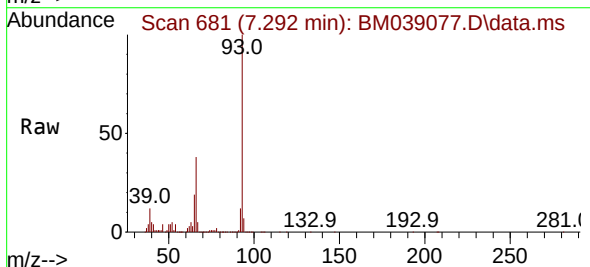
Instrument :
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ClientSampleId :
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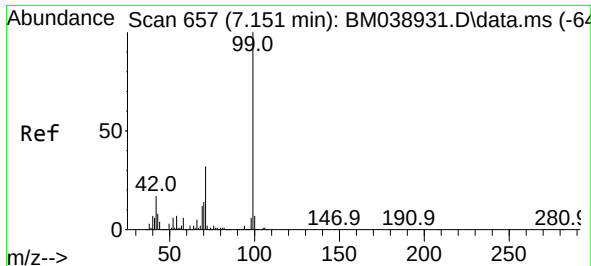
Tgt Ion:112 Resp: 3123104
Ion Ratio Lower Upper
112 100
64 56.2 45.9 68.9
63 29.1 23.8 35.8



#6
Aniline
Concen: 40.437 ng
RT: 7.292 min Scan# 681
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 93 Resp: 1750983
Ion Ratio Lower Upper
93 100
66 38.0 30.0 45.0
65 19.4 15.8 23.6



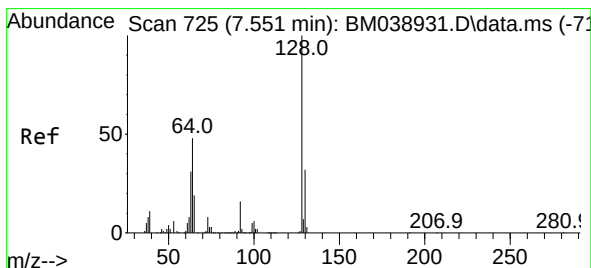
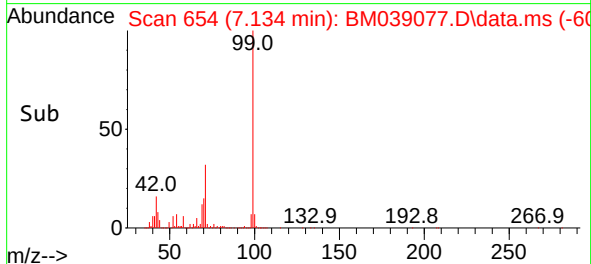
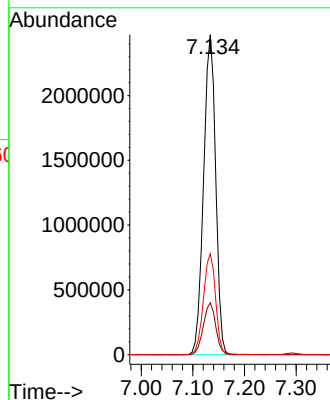
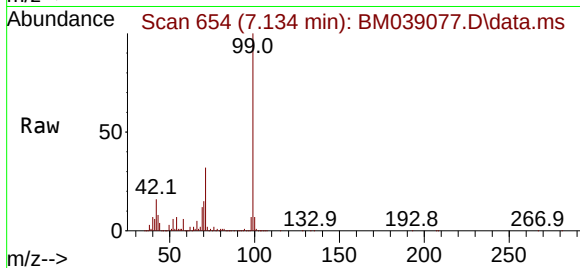


#7
Phenol-d6
Concen: 121.459 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

Tgt Ion: 99 Resp: 4005581

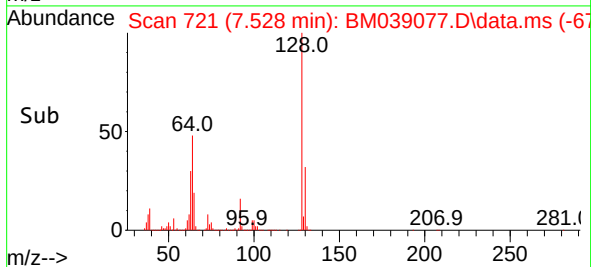
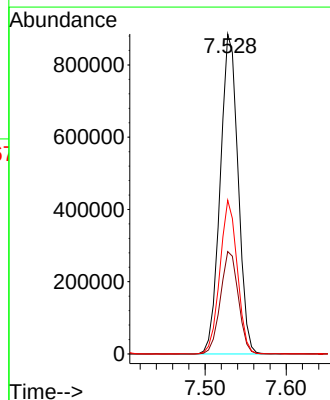
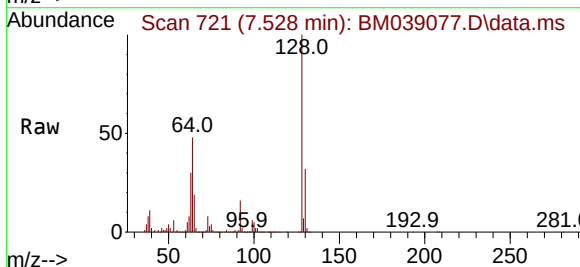
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	31.6	25.6	38.4

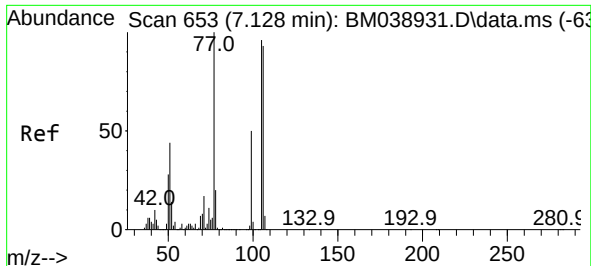


#8
2-Chlorophenol
Concen: 50.113 ng
RT: 7.528 min Scan# 721
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 128 Resp: 1354592

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.9	51.9
64	48.0	28.6	68.6

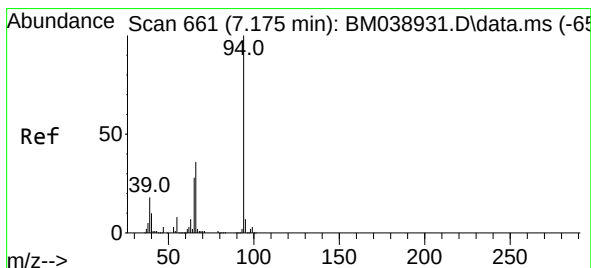
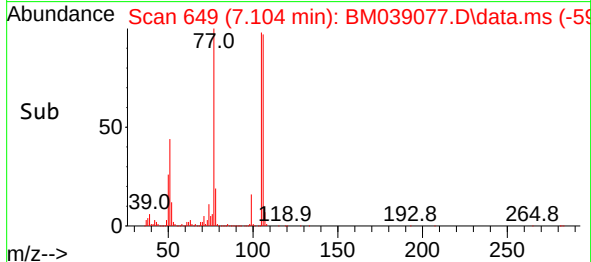
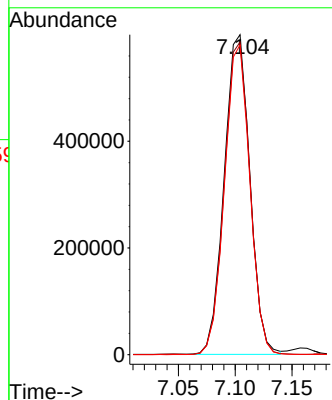
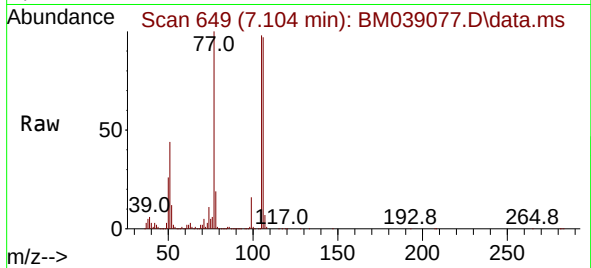




#9
Benzaldehyde
Concen: 60.098 ng
RT: 7.104 min Scan# 649
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

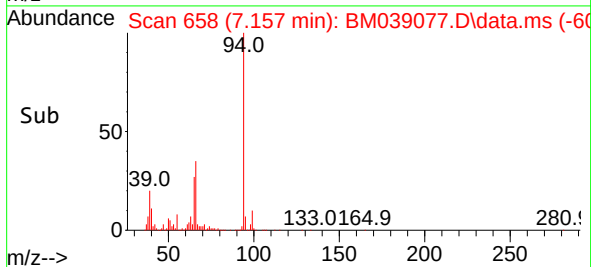
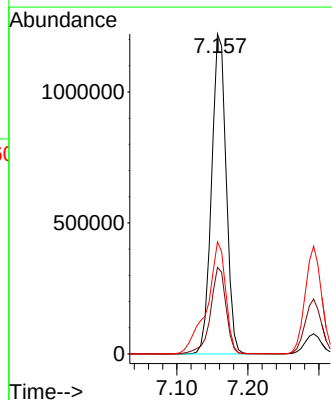
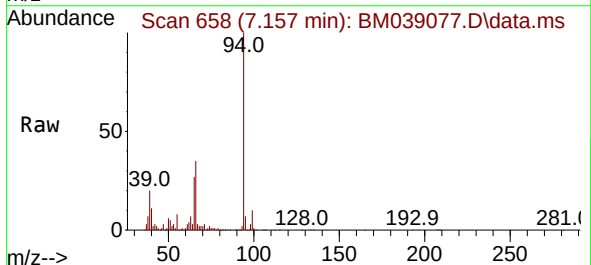
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ClientSampleId :
IRV-3MSD

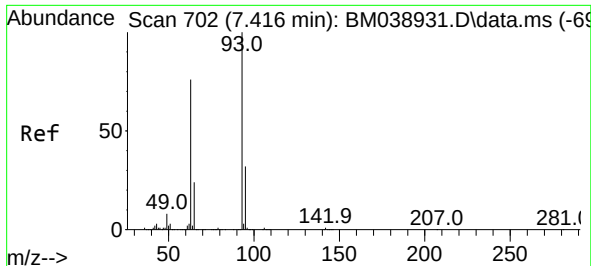
Tgt Ion: 77 Resp: 943148
Ion Ratio Lower Upper
77 100
105 97.7 75.8 115.8
106 96.8 72.6 112.6



#10
Phenol
Concen: 49.807 ng
RT: 7.157 min Scan# 658
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 94 Resp: 1744323
Ion Ratio Lower Upper
94 100
65 27.1 7.9 47.9
66 35.1 15.8 55.8

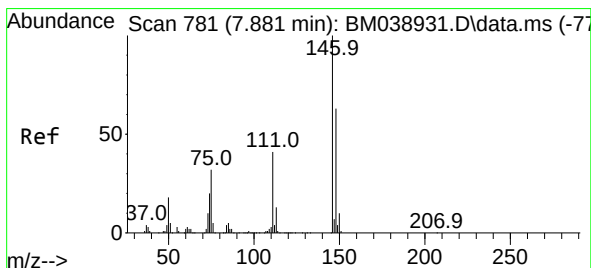
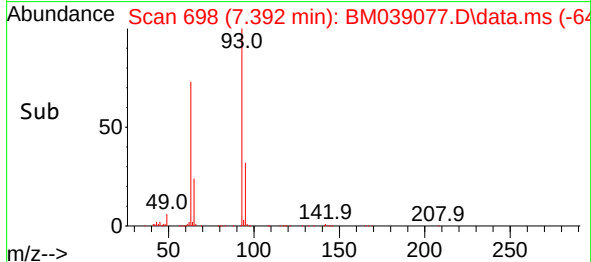
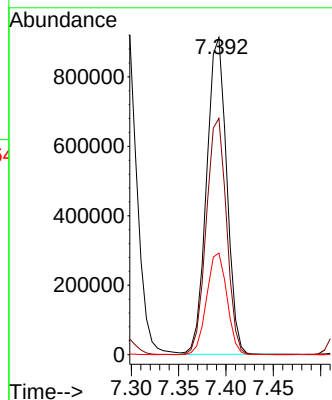
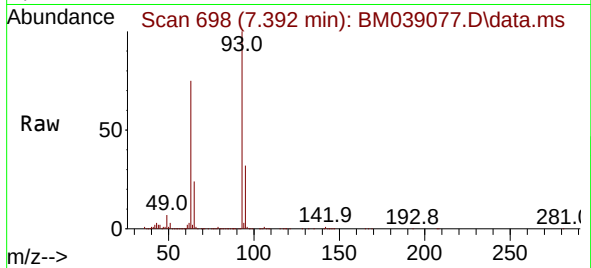




#11
bis(2-Chloroethyl)ether
Concen: 47.251 ng
RT: 7.392 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

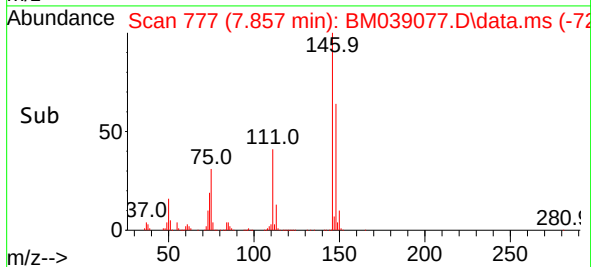
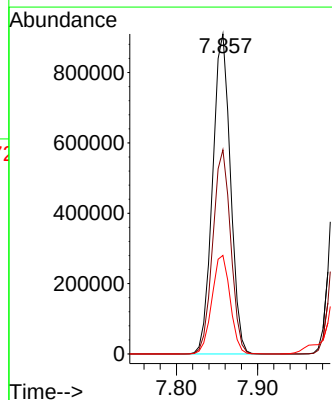
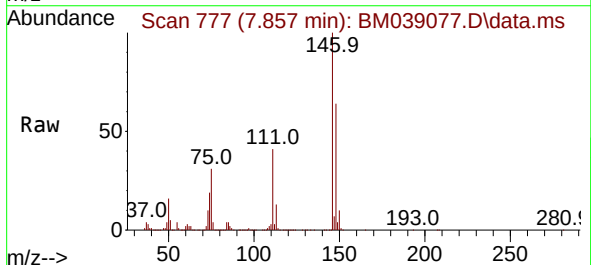
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

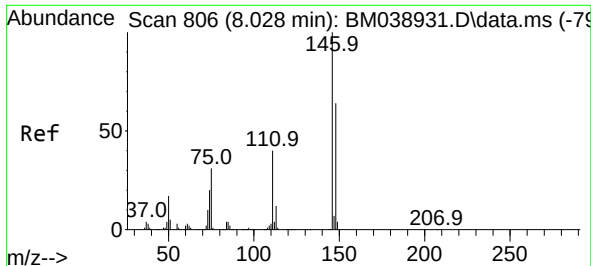
Tgt Ion: 93 Resp: 1345412
Ion Ratio Lower Upper
93 100
63 74.5 55.8 95.8
95 32.1 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 48.319 ng
RT: 7.857 min Scan# 777
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:146 Resp: 1388016
Ion Ratio Lower Upper
146 100
148 63.8 50.6 75.8
75 30.8 26.0 39.0

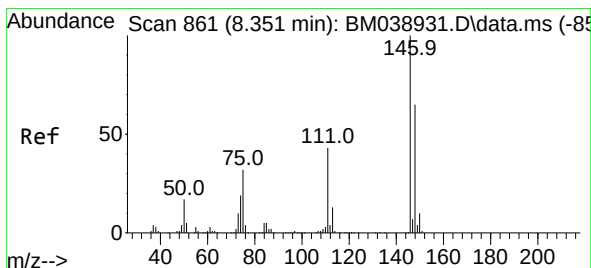
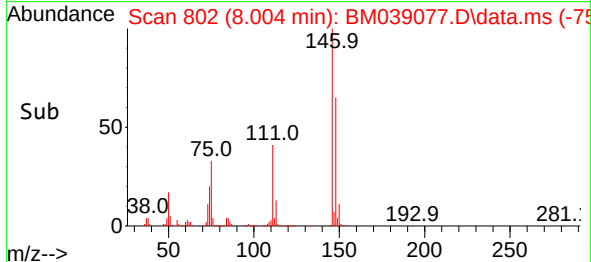
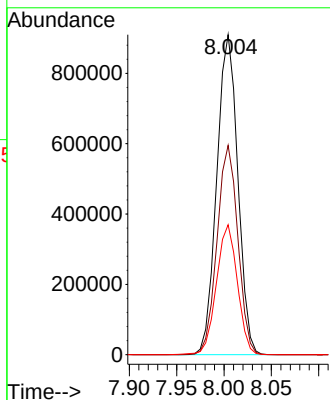
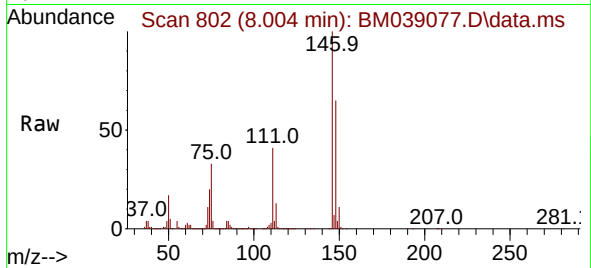




#13
1,4-Dichlorobenzene
Concen: 48.193 ng
RT: 8.004 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

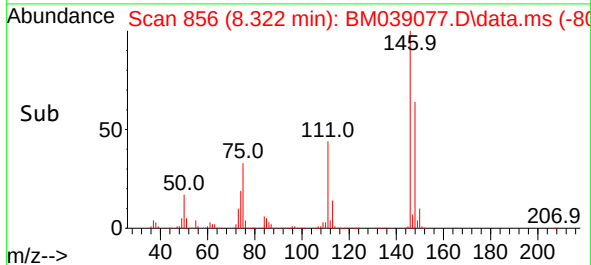
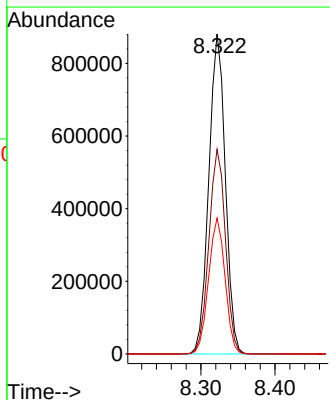
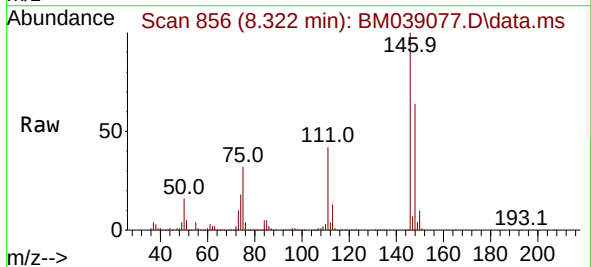
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

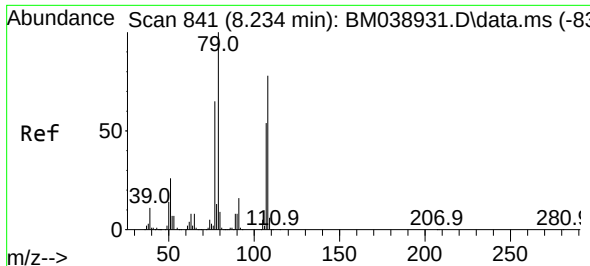
Tgt Ion:146 Resp: 1407970
Ion Ratio Lower Upper
146 100
148 65.4 51.0 76.4
111 40.6 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 48.456 ng
RT: 8.322 min Scan# 856
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:146 Resp: 1363656
Ion Ratio Lower Upper
146 100
148 64.0 51.7 77.5
111 42.5 34.2 51.4

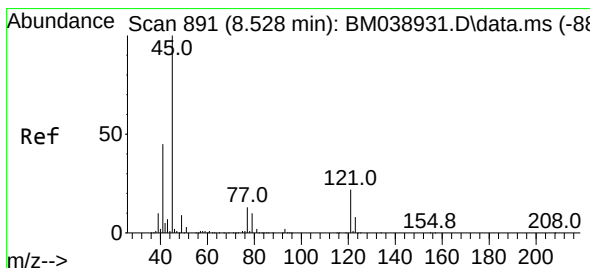
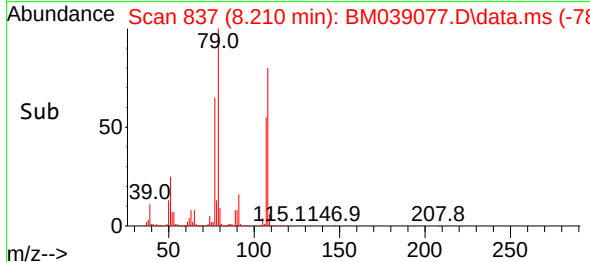
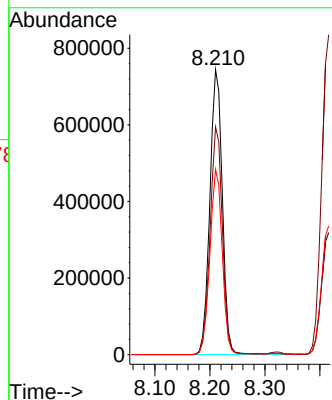
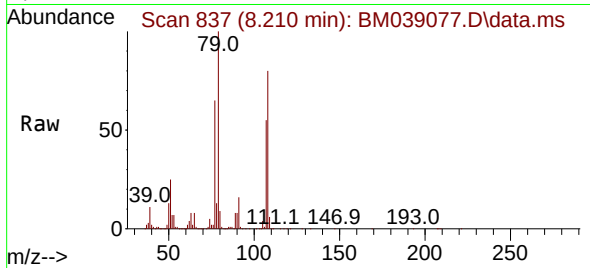




#15
Benzyl Alcohol
Concen: 49.560 ng
RT: 8.210 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

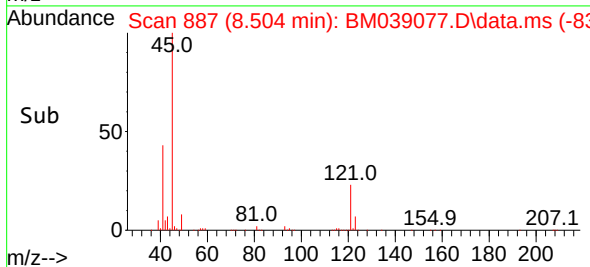
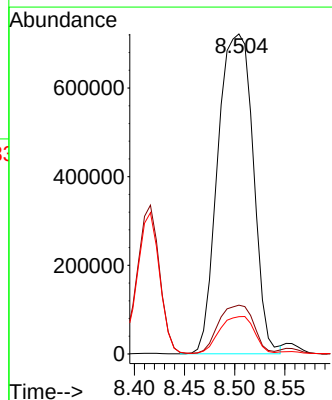
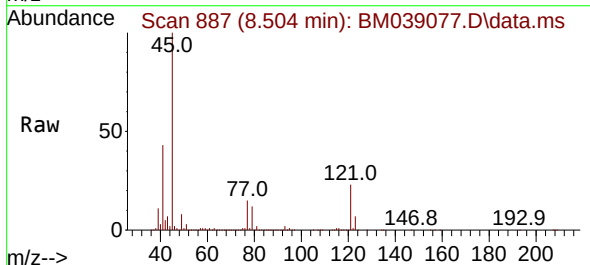
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

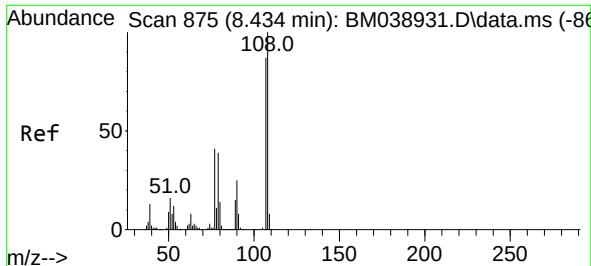
Tgt Ion: 79 Resp: 1171505
Ion Ratio Lower Upper
79 100
108 79.9 62.4 93.6
77 65.0 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.227 ng
RT: 8.504 min Scan# 887
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 45 Resp: 1770215
Ion Ratio Lower Upper
45 100
77 15.3 0.0 34.8
79 11.6 0.0 31.5

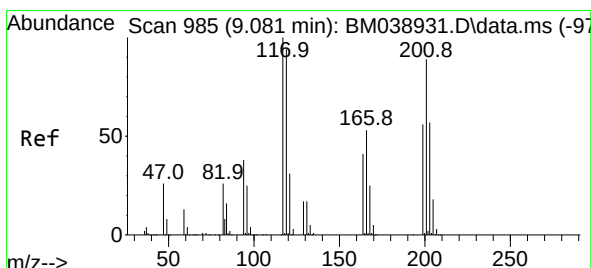
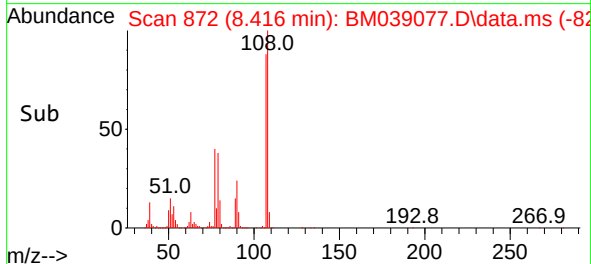
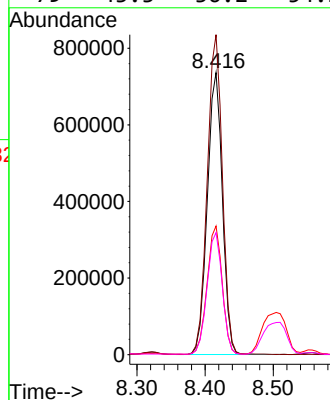
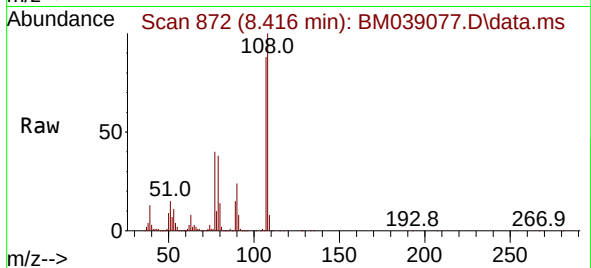




#17
2-Methylphenol
Concen: 47.033 ng
RT: 8.416 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

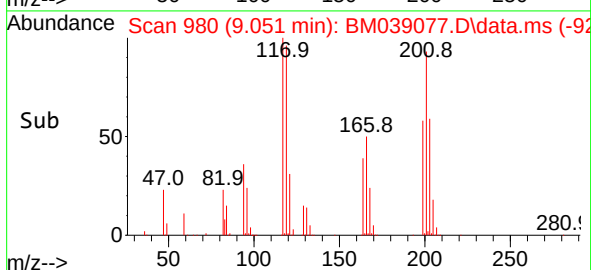
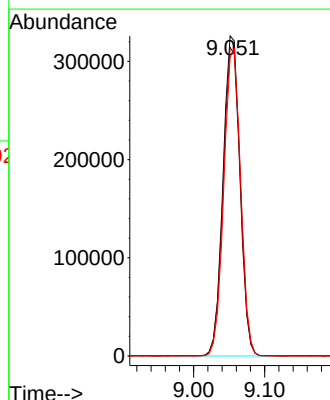
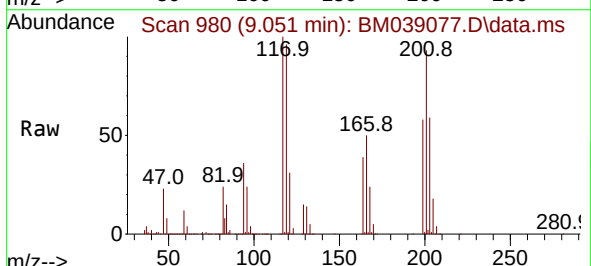
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

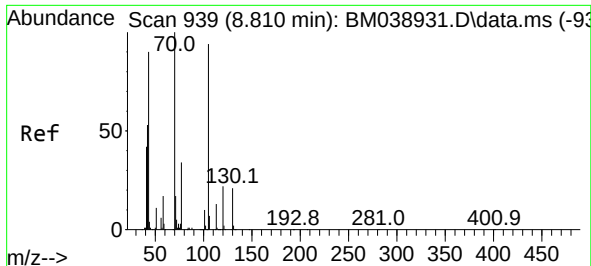
Tgt Ion:107 Resp: 1131511
Ion Ratio Lower Upper
107 100
108 113.4 91.7 137.5
77 45.6 37.4 56.2
79 43.3 36.2 54.2



#18
Hexachloroethane
Concen: 50.263 ng
RT: 9.051 min Scan# 980
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:117 Resp: 541799
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.0
201 93.3 71.3 106.9

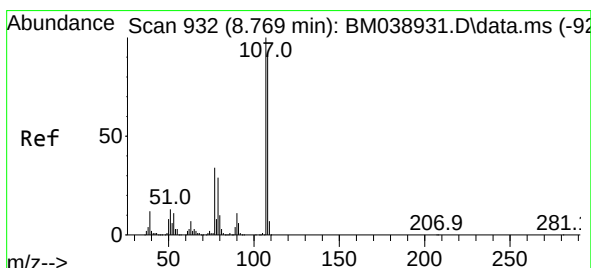
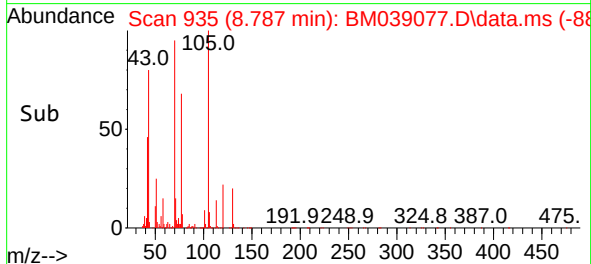
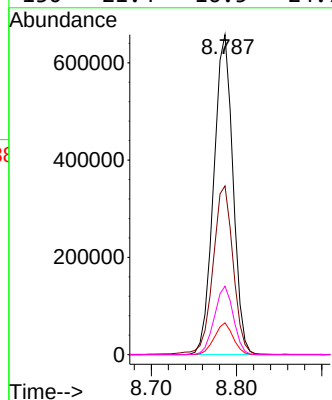
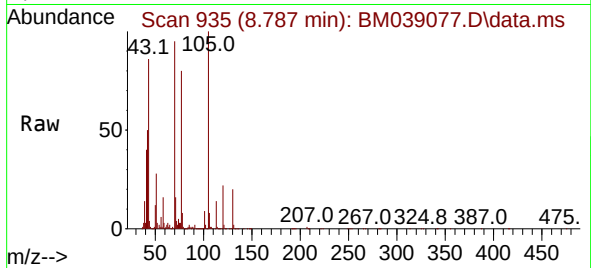




#19
n-Nitroso-di-n-propylamine
Concen: 49.667 ng
RT: 8.787 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

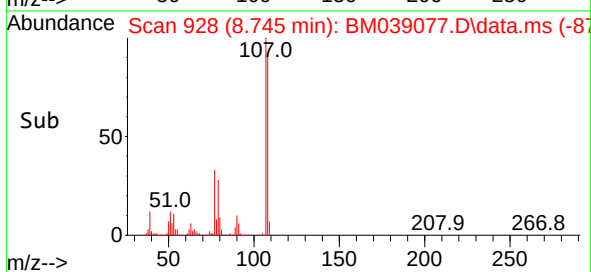
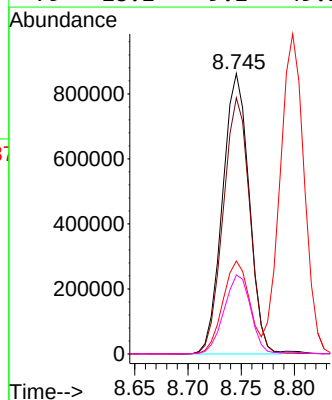
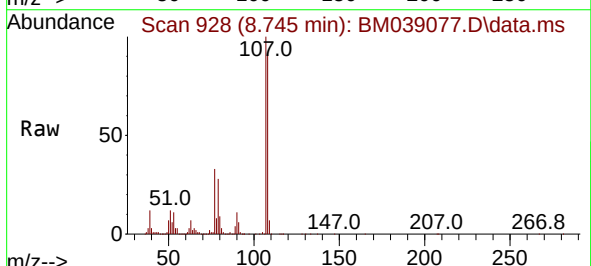
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

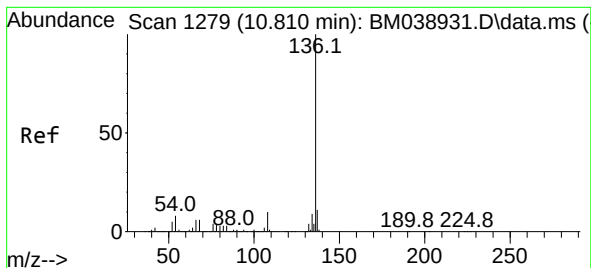
Tgt Ion: 70 Resp: 1031696
Ion Ratio Lower Upper
70 100
42 52.8 43.4 65.2
101 9.9 7.6 11.4
130 21.4 16.5 24.7



#20
3+4-Methylphenols
Concen: 46.549 ng
RT: 8.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 107 Resp: 1495284
Ion Ratio Lower Upper
107 100
108 91.4 71.8 111.8
77 33.2 13.6 53.6
79 28.2 9.2 49.2

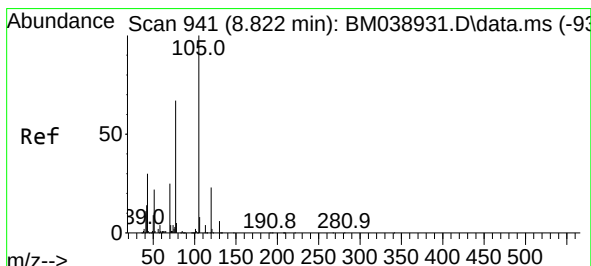
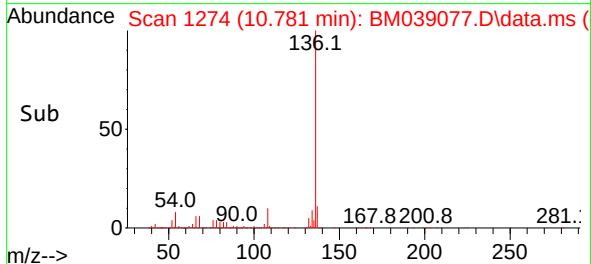
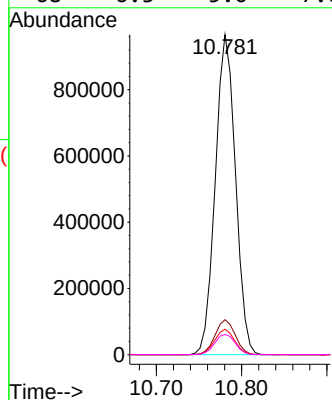
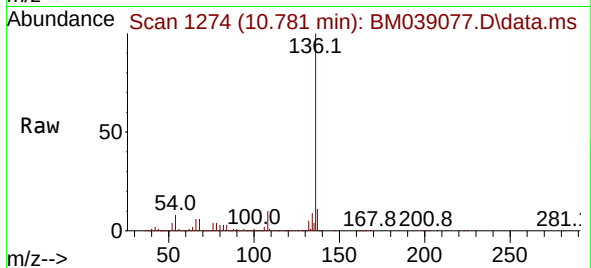




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

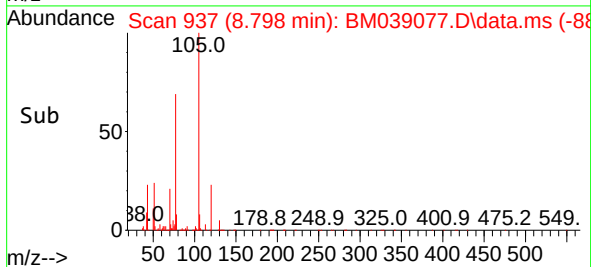
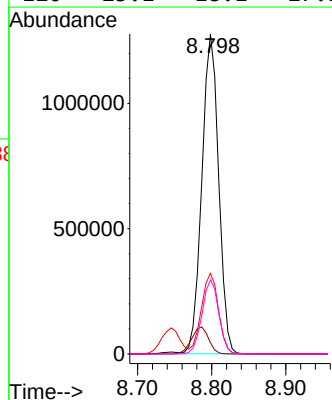
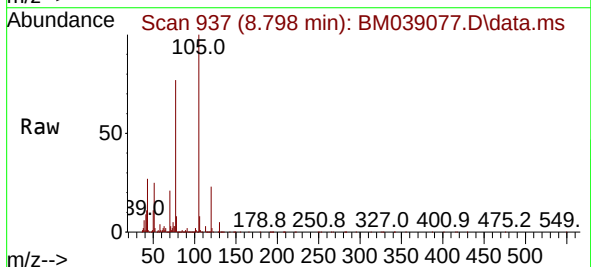
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

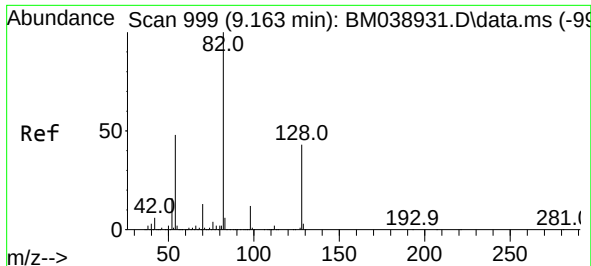
Tgt Ion:136 Resp: 1588676
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 6.3 9.5
68 6.3 5.0 7.6



#22
Acetophenone
Concen: 45.130 ng
RT: 8.798 min Scan# 937
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:105 Resp: 2011538
Ion Ratio Lower Upper
105 100
71 3.5 3.4 5.0
51 25.2 21.0 31.4
120 23.1 18.1 27.1

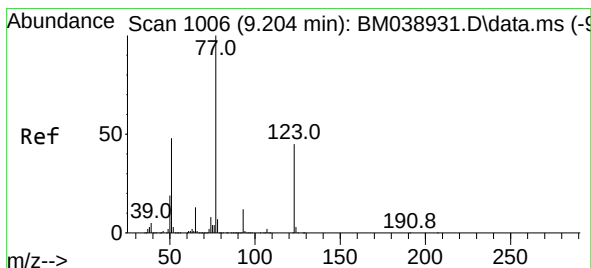
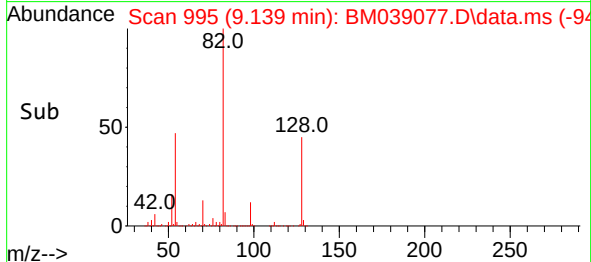
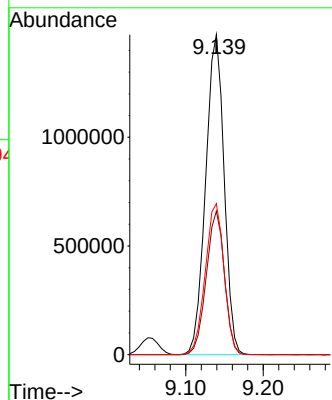
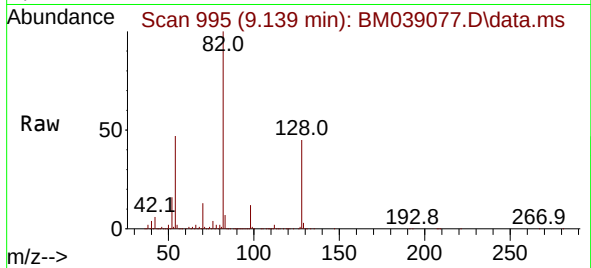




#23
Nitrobenzene-d5
Concen: 75.161 ng
RT: 9.139 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

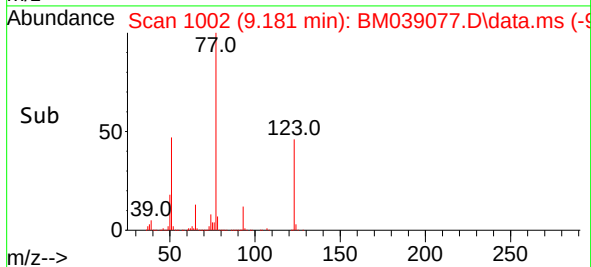
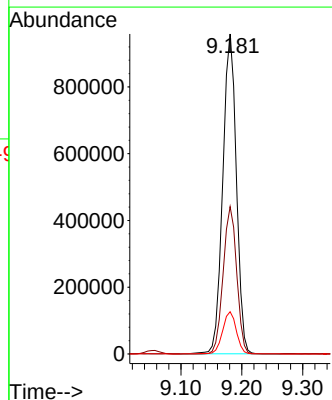
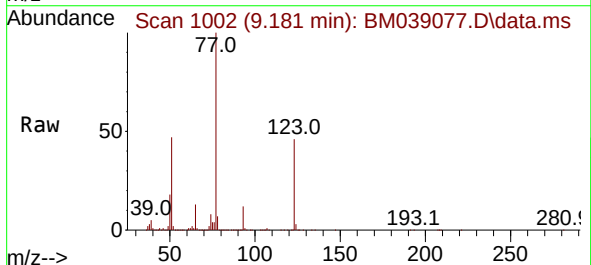
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

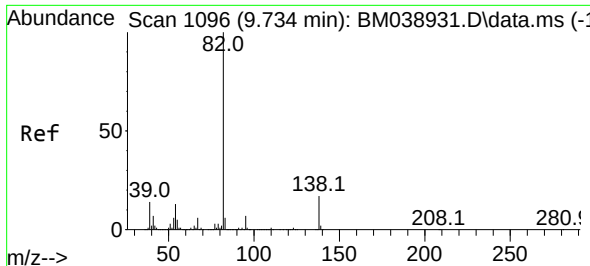
Tgt Ion: 82 Resp: 2430857
Ion Ratio Lower Upper
82 100
128 44.8 34.4 51.6
54 47.2 38.8 58.2



#24
Nitrobenzene
Concen: 43.720 ng
RT: 9.181 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 77 Resp: 1486190
Ion Ratio Lower Upper
77 100
123 46.1 35.8 53.6
65 13.2 10.2 15.4





#25

Isophorone

Concen: 46.569 ng

RT: 9.710 min Scan# 1092

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

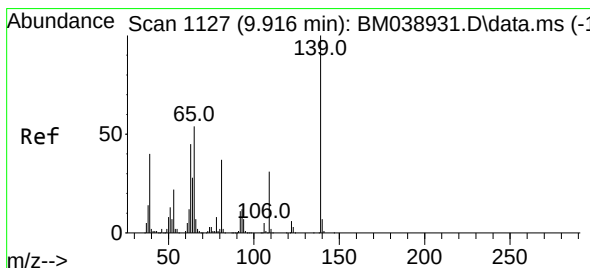
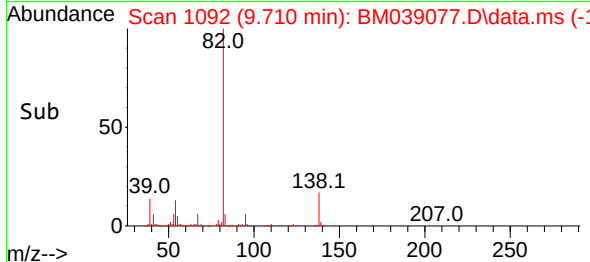
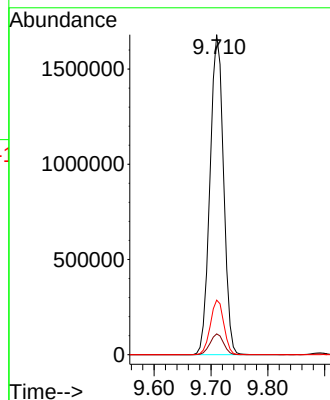
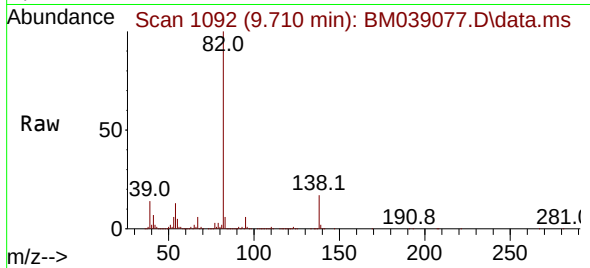
Tgt Ion: 82 Resp: 2771627

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 17.0 13.6 20.4



#26

2-Nitrophenol

Concen: 47.514 ng

RT: 9.892 min Scan# 1123

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

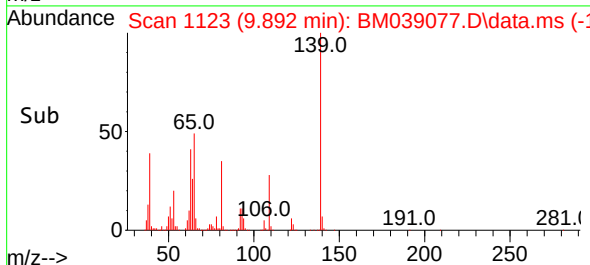
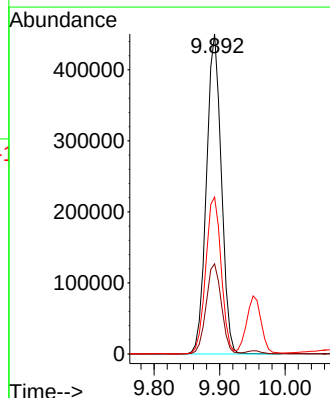
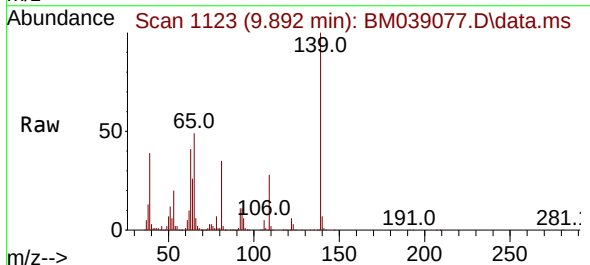
Tgt Ion:139 Resp: 712694

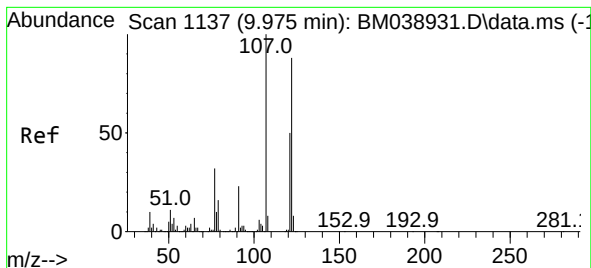
Ion Ratio Lower Upper

139 100

109 28.2 24.5 36.7

65 49.1 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 47.943 ng

RT: 9.951 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

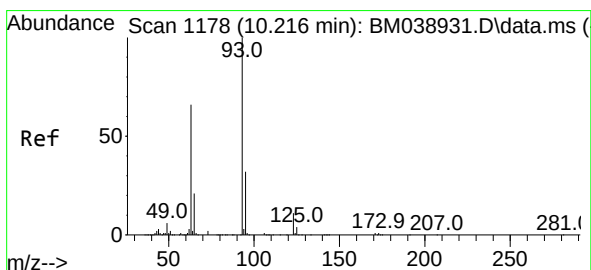
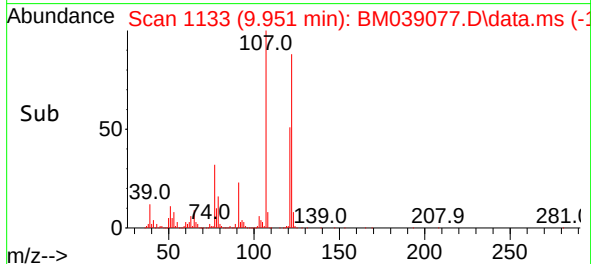
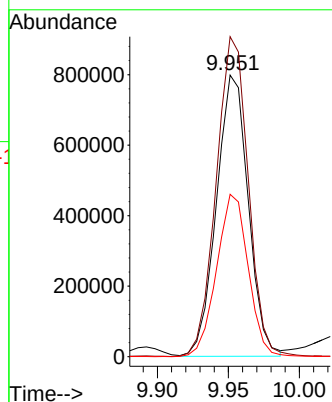
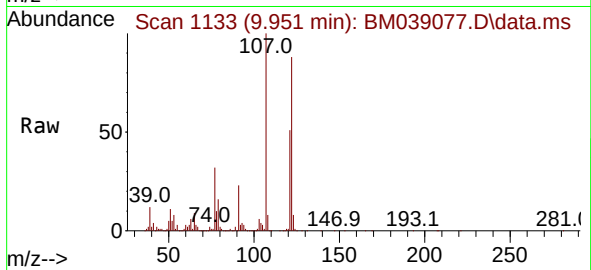
Tgt Ion:122 Resp: 1243287

Ion Ratio Lower Upper

122 100

107 113.6 91.0 136.4

121 57.7 45.1 67.7



#28

bis(2-Chloroethoxy)methane

Concen: 46.969 ng

RT: 10.192 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

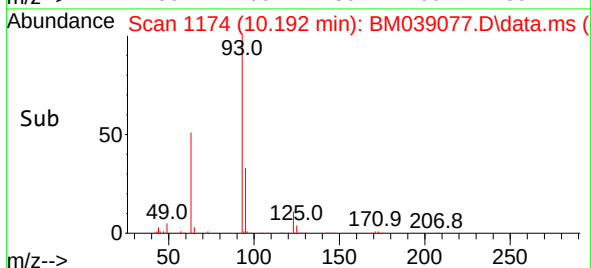
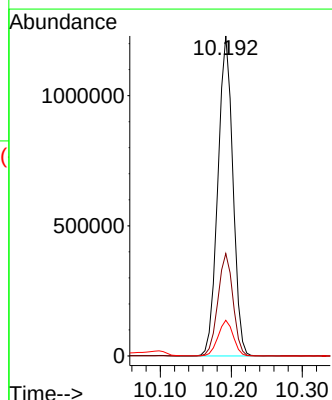
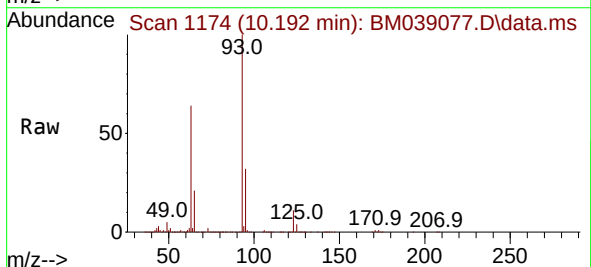
Tgt Ion: 93 Resp: 1796159

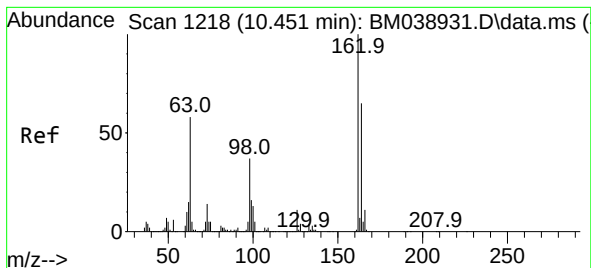
Ion Ratio Lower Upper

93 100

95 32.0 25.9 38.9

123 11.1 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.776 ng

RT: 10.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

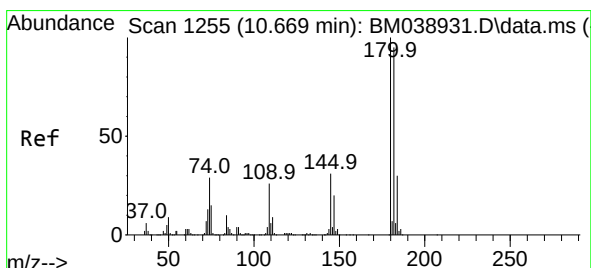
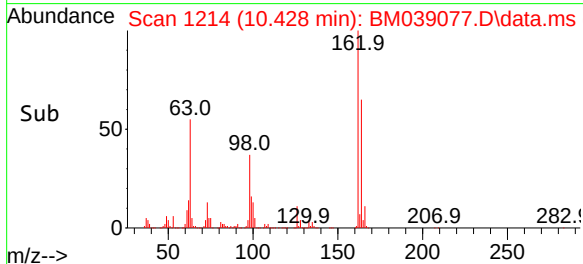
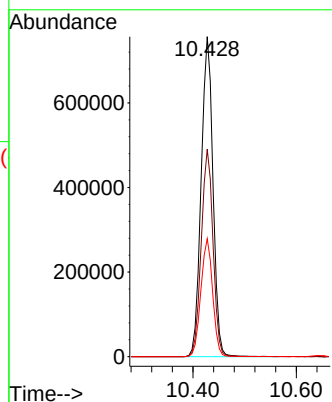
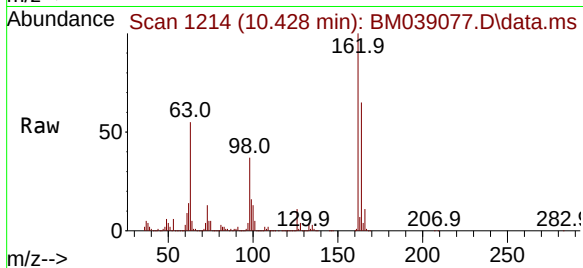
Tgt Ion:162 Resp: 1199224

Ion Ratio Lower Upper

162 100

164 64.9 44.6 84.6

98 36.8 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 46.335 ng

RT: 10.645 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

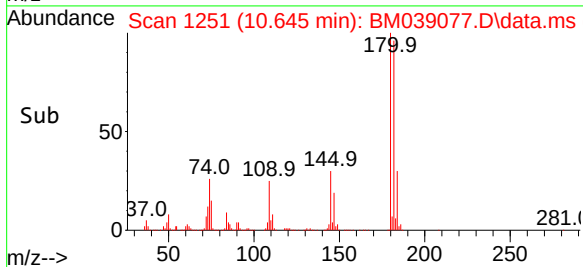
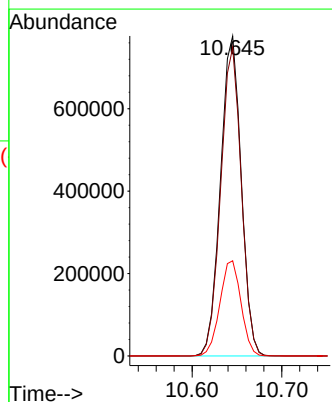
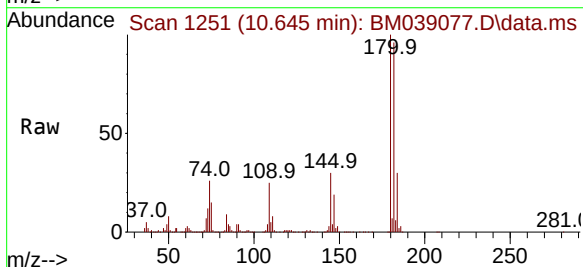
Tgt Ion:180 Resp: 1244888

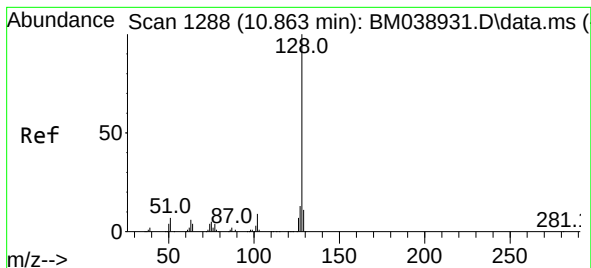
Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

145 29.8 25.0 37.4

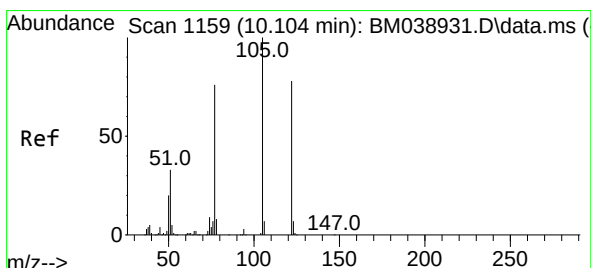
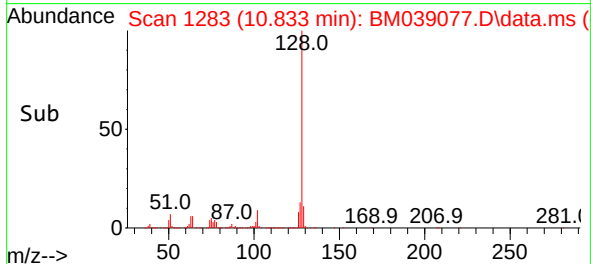
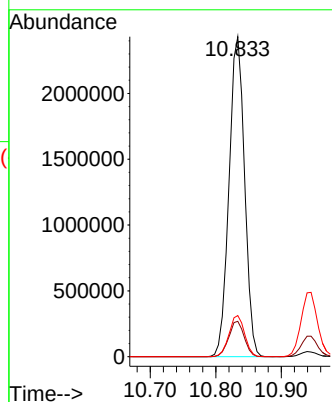
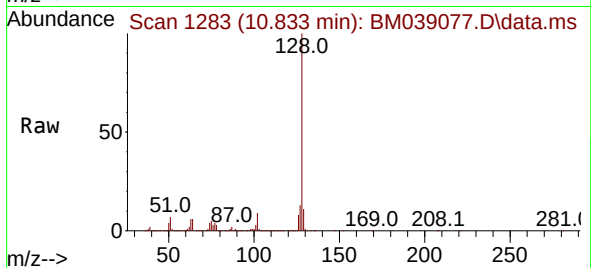




#31
Naphthalene
Concen: 44.178 ng
RT: 10.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

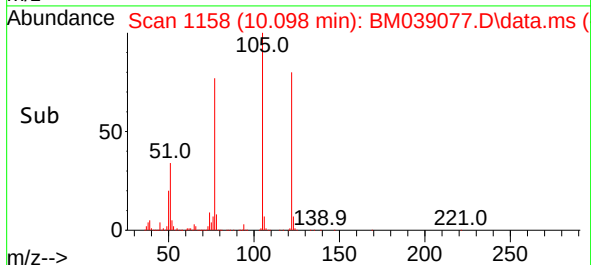
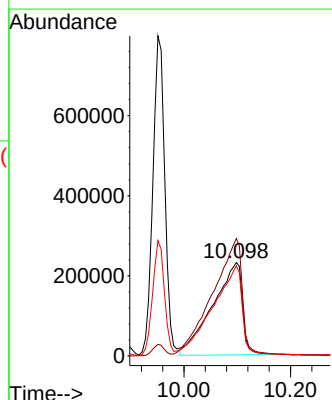
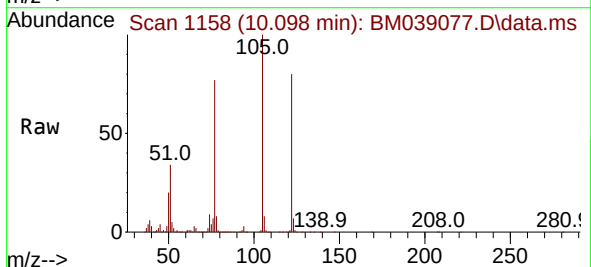
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

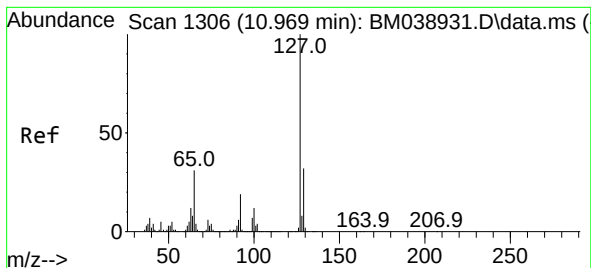
Tgt Ion:128 Resp: 4002088
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.2 15.4



#32
Benzoic acid
Concen: 47.068 ng
RT: 10.098 min Scan# 1158
Delta R.T. 0.012 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:122 Resp: 893151
Ion Ratio Lower Upper
122 100
105 125.7 104.2 144.2
77 96.7 75.1 115.1





#33

4-Chloroaniline

Concen: 22.345 ng

RT: 10.945 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

Tgt Ion:127 Resp: 862661

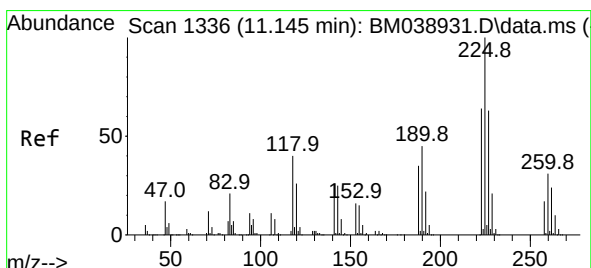
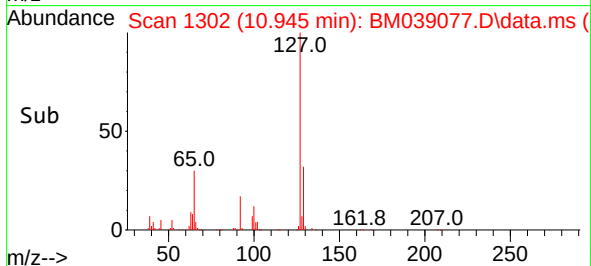
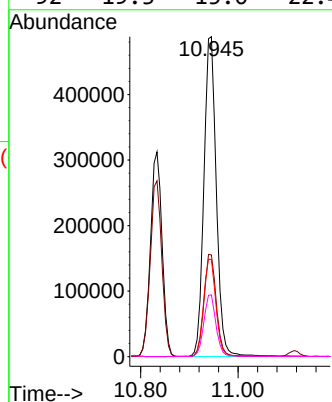
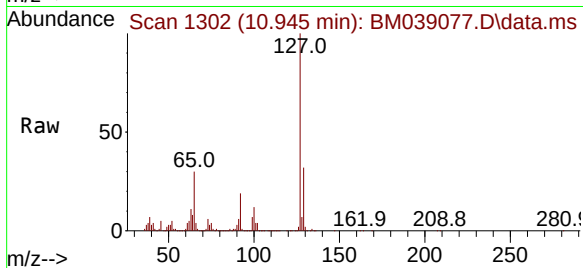
Ion Ratio Lower Upper

127 100

129 31.8 25.4 38.2

65 30.3 24.4 36.6

92 19.3 15.0 22.4



#34

Hexachlorobutadiene

Concen: 46.676 ng

RT: 11.116 min Scan# 1331

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

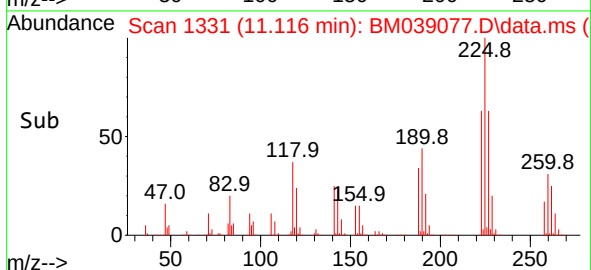
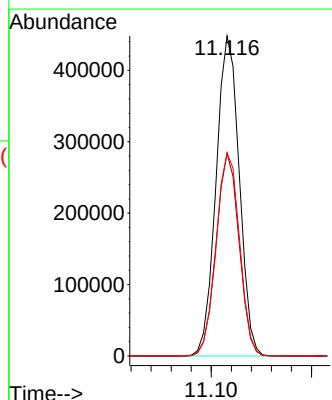
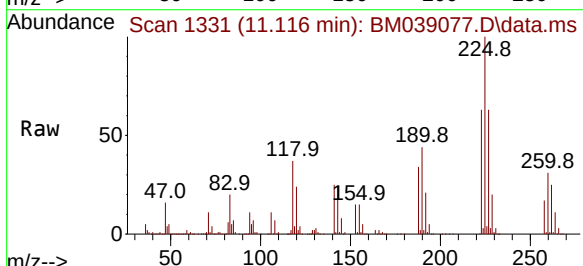
Tgt Ion:225 Resp: 719144

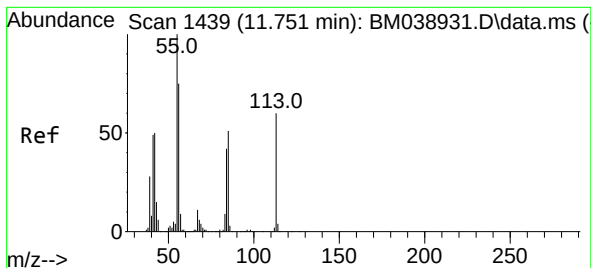
Ion Ratio Lower Upper

225 100

223 63.3 51.3 76.9

227 63.5 50.6 76.0





#35

Caprolactam

Concen: 44.494 ng

RT: 11.739 min Scan# 1437

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

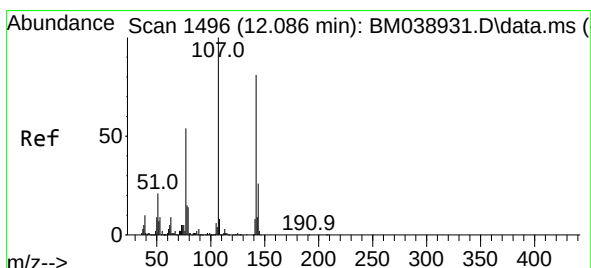
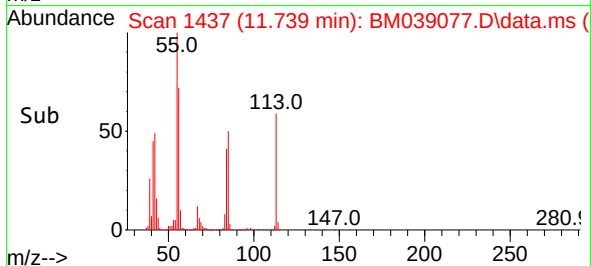
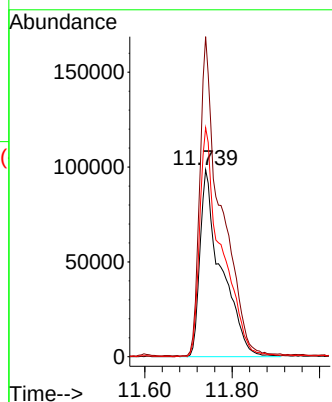
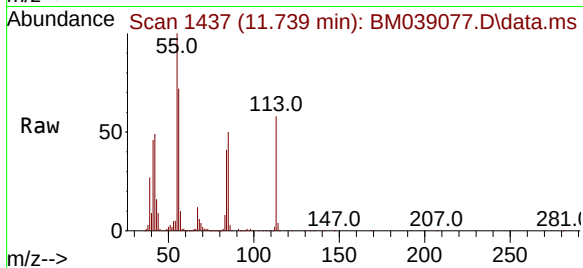
Tgt Ion:113 Resp: 332944

Ion Ratio Lower Upper

113 100

55 171.2 147.0 187.0

56 122.5 105.1 145.1



#36

4-Chloro-3-methylphenol

Concen: 46.461 ng

RT: 12.063 min Scan# 1492

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

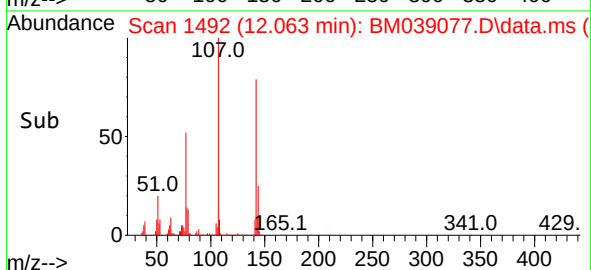
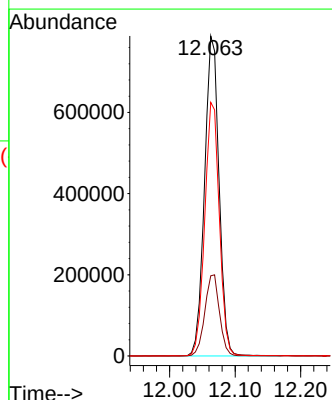
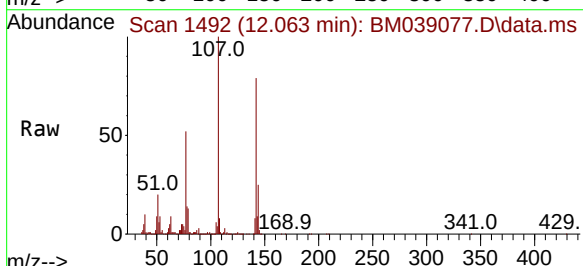
Tgt Ion:107 Resp: 1216365

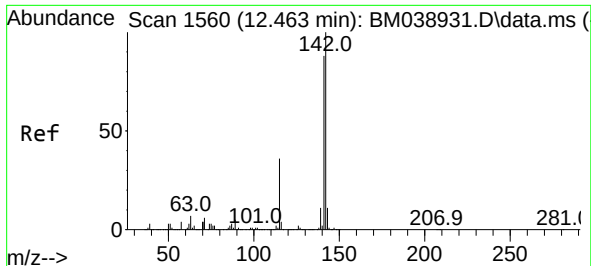
Ion Ratio Lower Upper

107 100

144 25.1 20.7 31.1

142 79.2 64.6 97.0

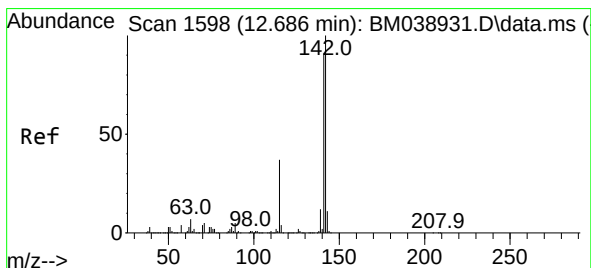
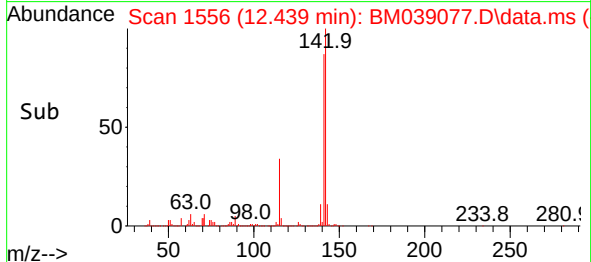
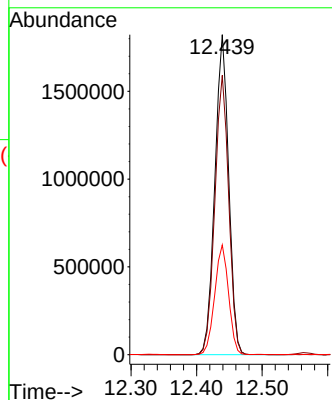
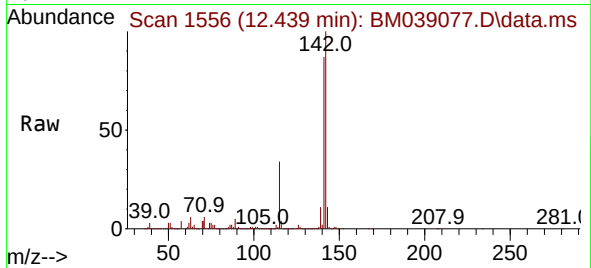




#37
2-Methylnaphthalene
Concen: 43.888 ng
RT: 12.439 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

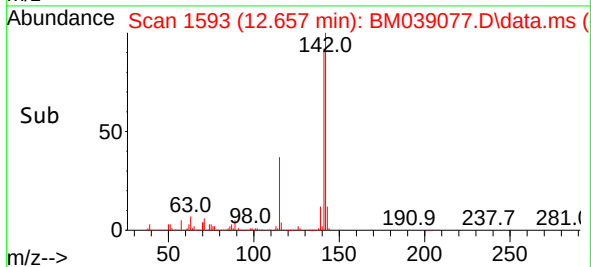
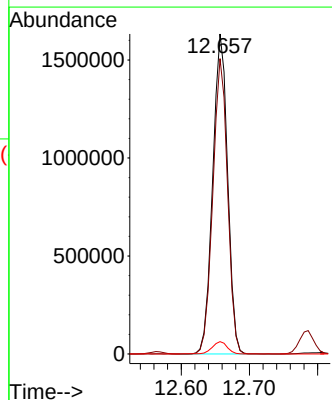
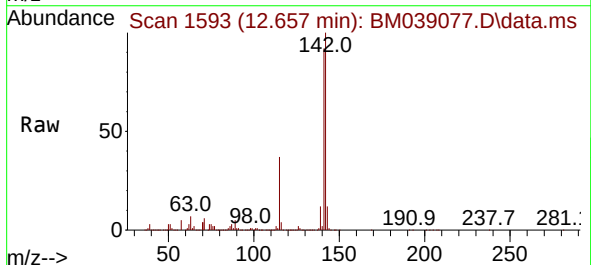
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

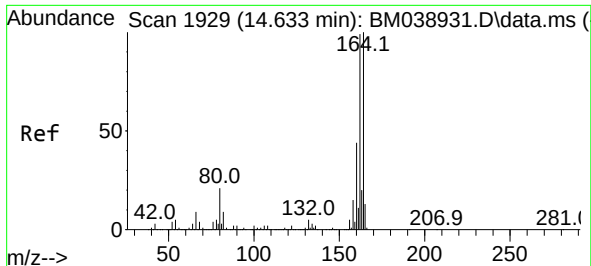
Tgt Ion:142 Resp: 2664763
Ion Ratio Lower Upper
142 100
141 87.3 70.6 106.0
115 34.3 28.5 42.7



#38
1-Methylnaphthalene
Concen: 43.634 ng
RT: 12.657 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:142 Resp: 2482801
Ion Ratio Lower Upper
142 100
141 92.3 72.8 109.2
116 3.9 3.0 4.4

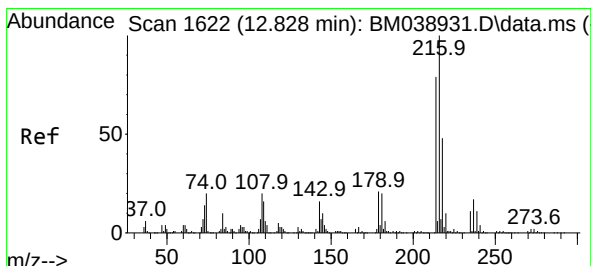
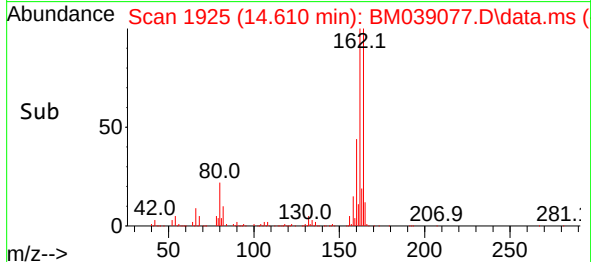
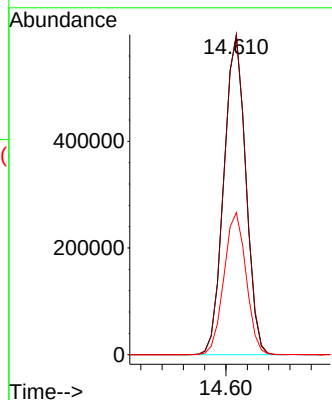
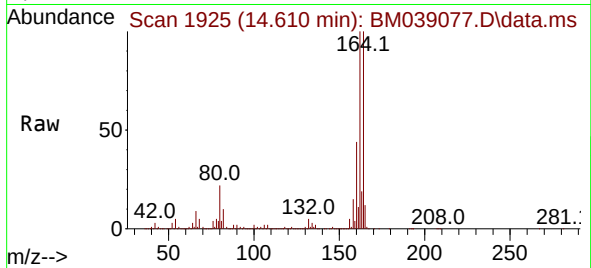




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

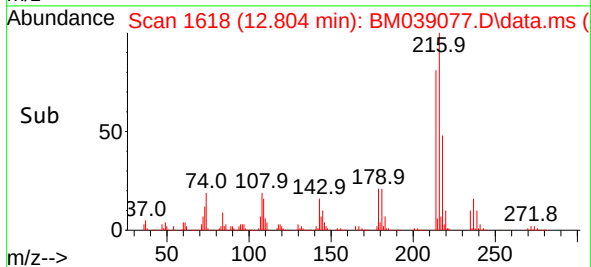
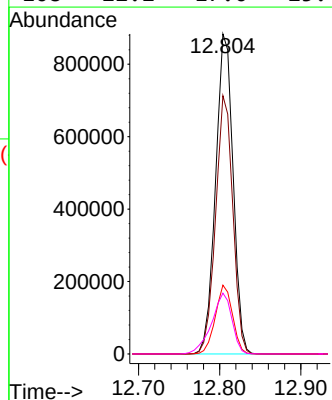
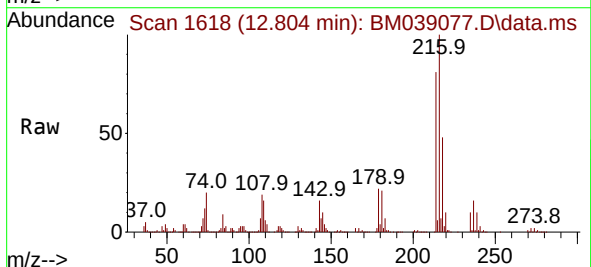
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

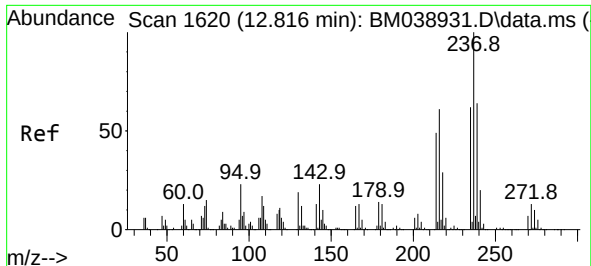
Tgt Ion:164 Resp: 854769
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.5 35.5 53.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.691 ng
RT: 12.804 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:216 Resp: 1325245
Ion Ratio Lower Upper
216 100
214 79.3 63.0 94.4
179 21.2 16.8 25.2
108 22.2 17.0 25.4

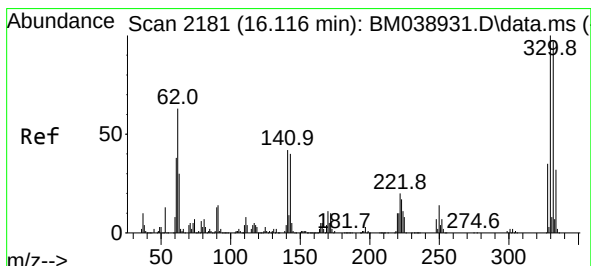
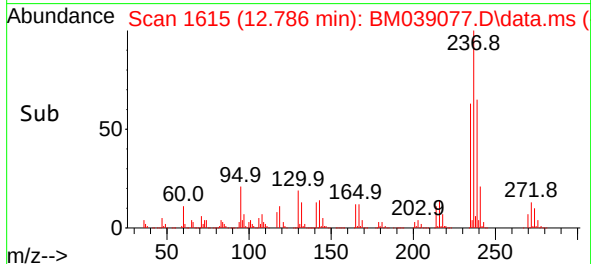
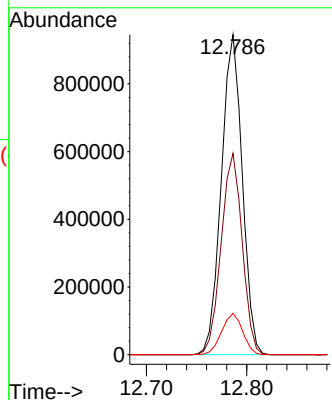
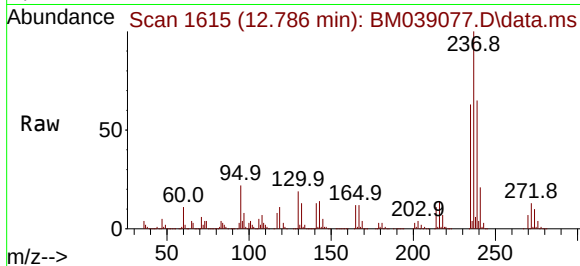




#41
Hexachlorocyclopentadiene
Concen: 89.613 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

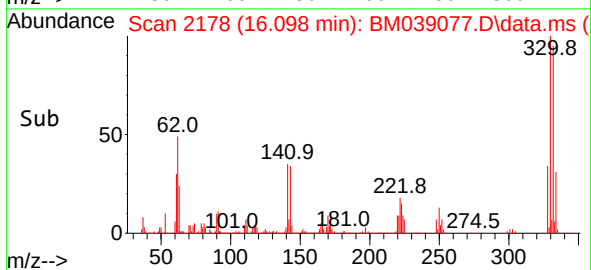
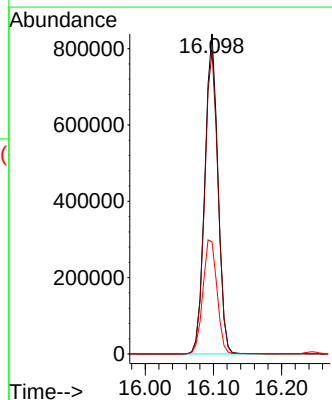
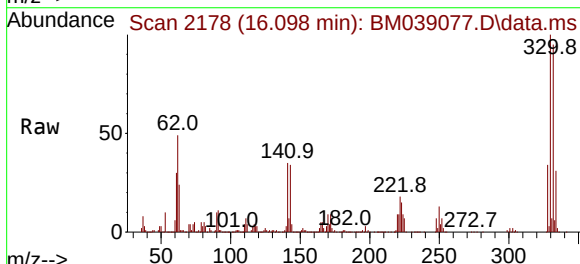
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

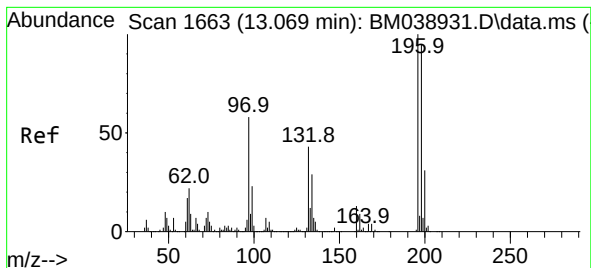
Tgt Ion:237 Resp: 1366873
Ion Ratio Lower Upper
237 100
235 62.9 41.7 81.7
272 12.9 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 113.082 ng
RT: 16.098 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:330 Resp: 1118186
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 38.3 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 48.857 ng

RT: 13.045 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

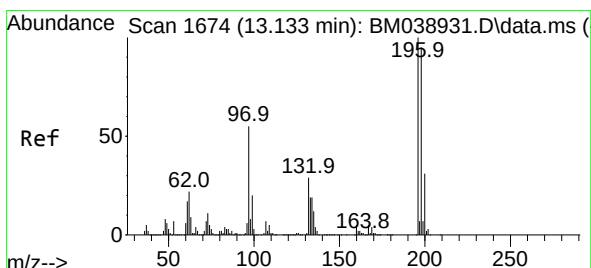
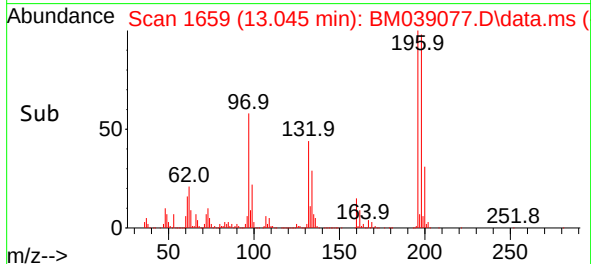
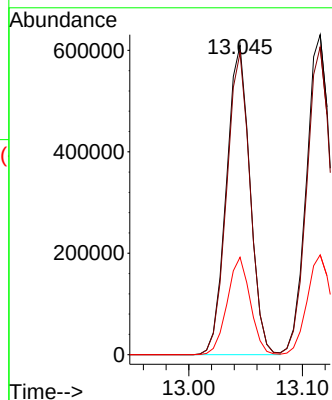
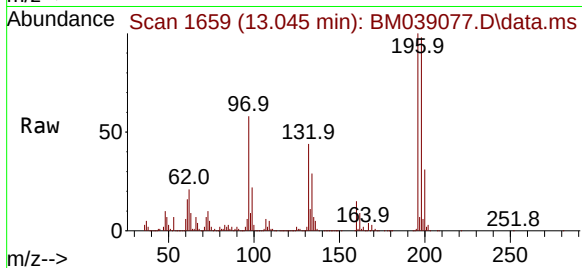
Tgt Ion:196 Resp: 879154

Ion Ratio Lower Upper

196 100

198 97.6 75.8 113.8

200 31.5 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 44.521 ng

RT: 13.116 min Scan# 1671

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Tgt Ion:196 Resp: 937725

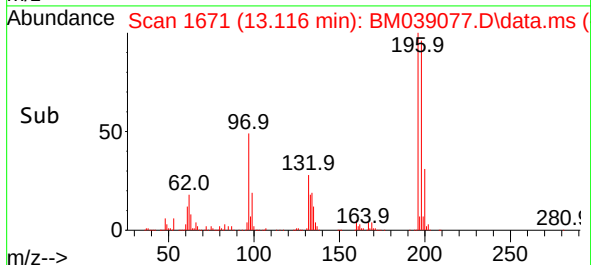
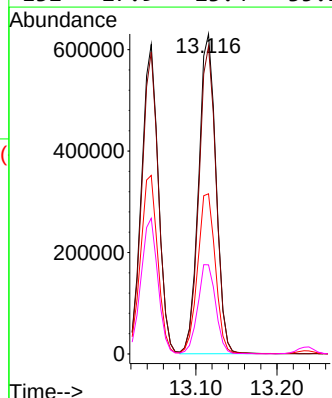
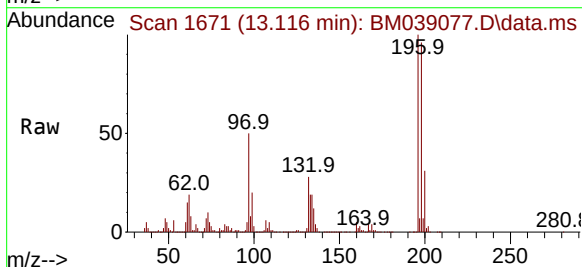
Ion Ratio Lower Upper

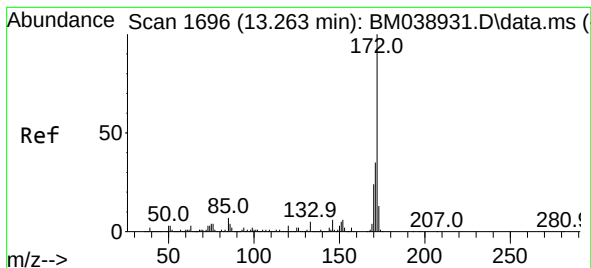
196 100

198 96.2 76.3 114.5

97 50.1 44.2 66.4

132 27.9 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 70.137 ng

RT: 13.239 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

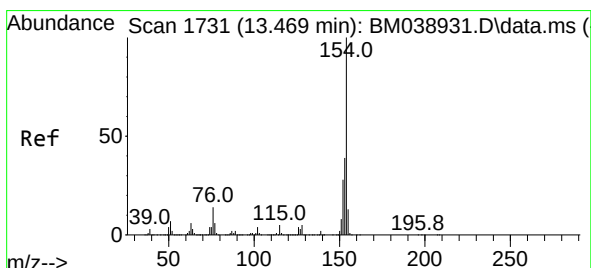
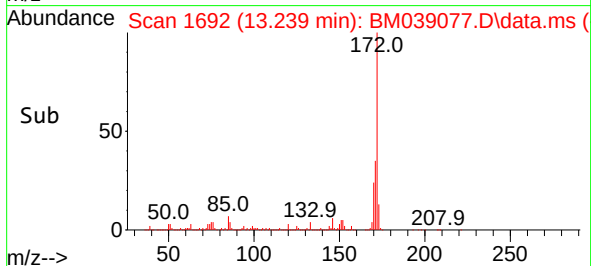
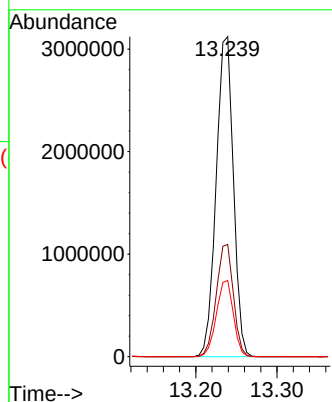
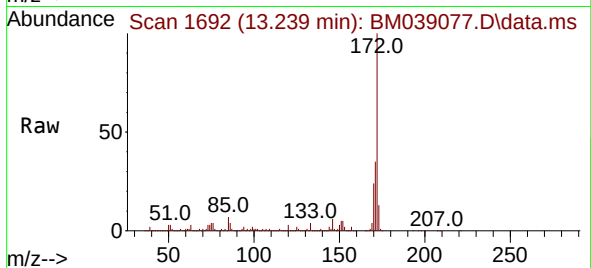
Tgt Ion:172 Resp: 4605229

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 47.483 ng

RT: 13.445 min Scan# 1727

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

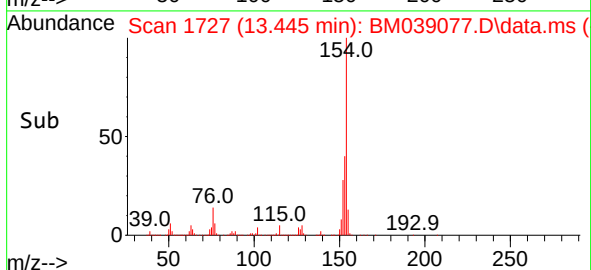
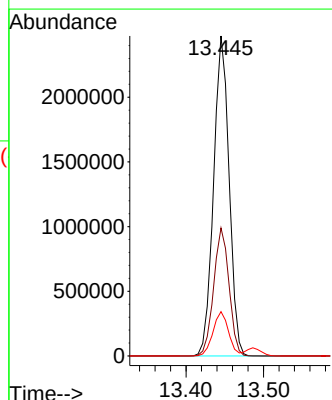
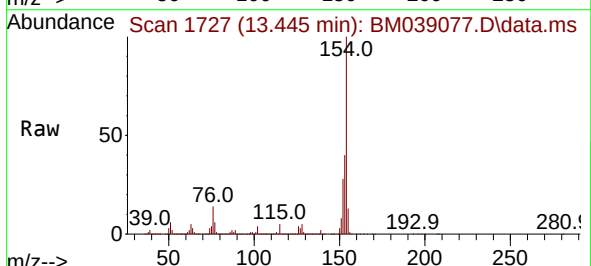
Tgt Ion:154 Resp: 3438423

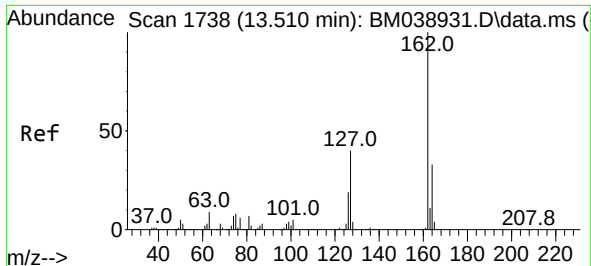
Ion Ratio Lower Upper

154 100

153 40.0 19.3 59.3

76 13.9 0.0 34.0

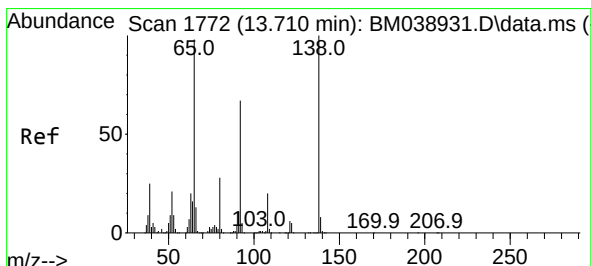
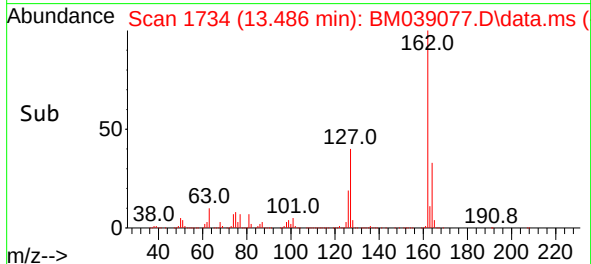
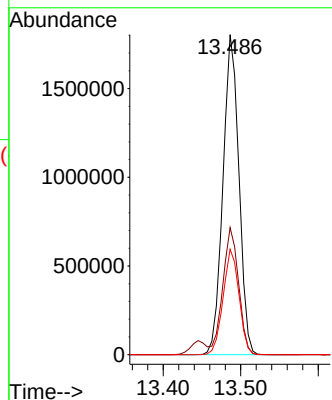
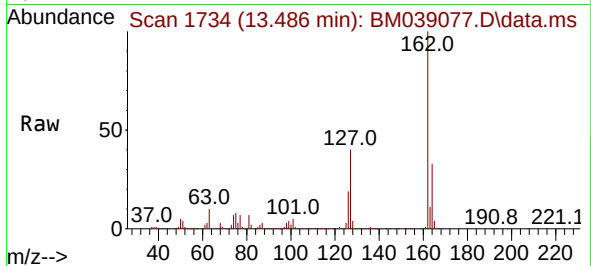




#47
2-Chloronaphthalene
Concen: 47.322 ng
RT: 13.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

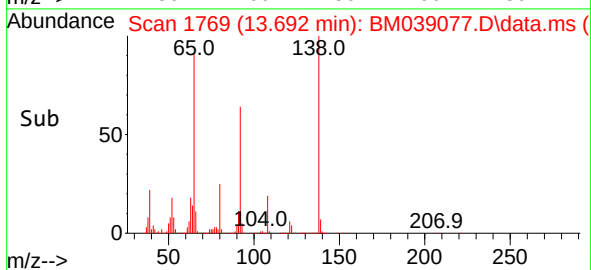
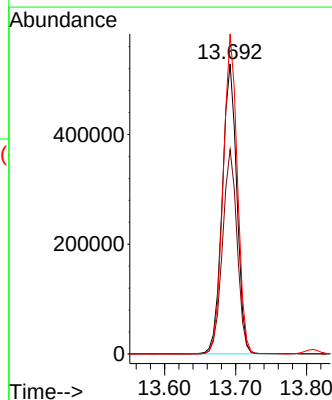
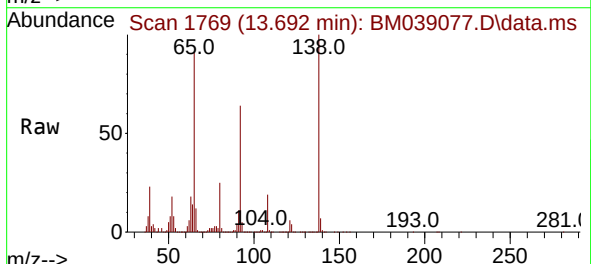
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

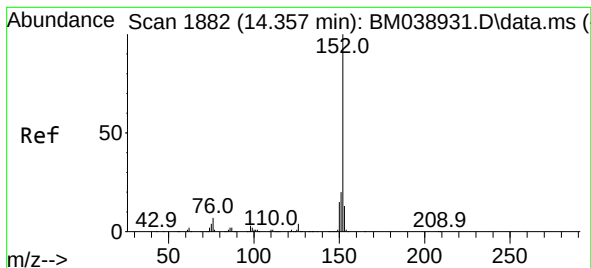
Tgt Ion:162 Resp: 2584046
Ion Ratio Lower Upper
162 100
127 39.7 32.1 48.1
164 33.0 26.2 39.4



#48
2-Nitroaniline
Concen: 43.204 ng
RT: 13.692 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion: 65 Resp: 751273
Ion Ratio Lower Upper
65 100
92 70.5 54.9 82.3
138 110.3 81.6 122.4





#49

Acenaphthylene

Concen: 47.759 ng

RT: 14.333 min Scan# 1878

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

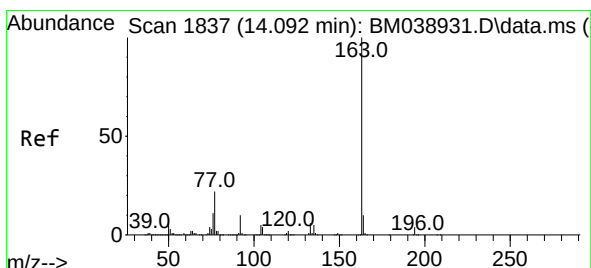
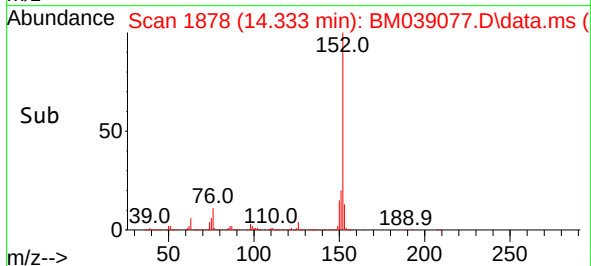
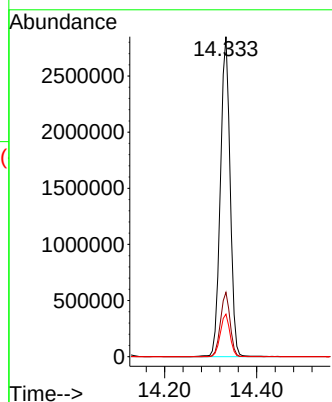
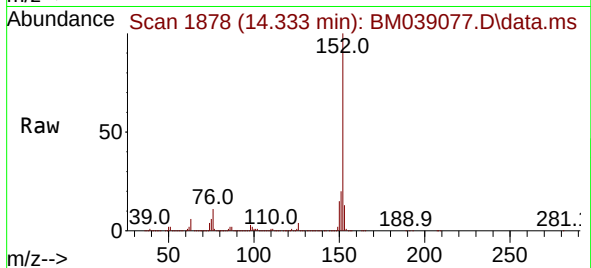
Tgt Ion:152 Resp: 4154023

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 45.228 ng

RT: 14.069 min Scan# 1833

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

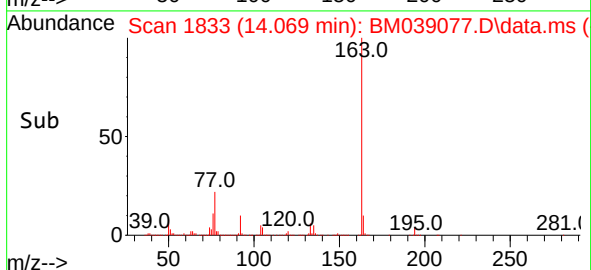
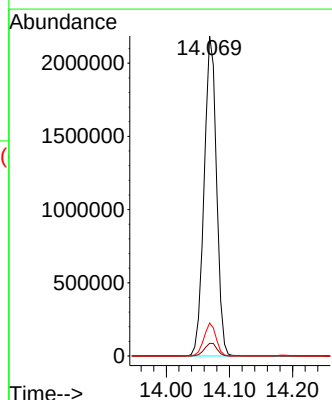
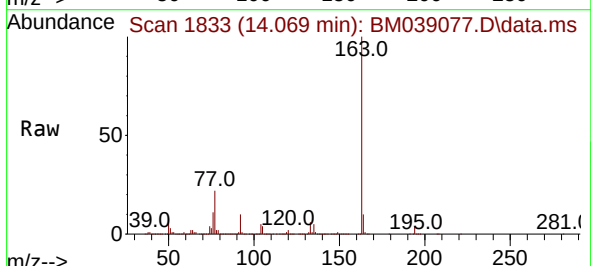
Tgt Ion:163 Resp: 2974839

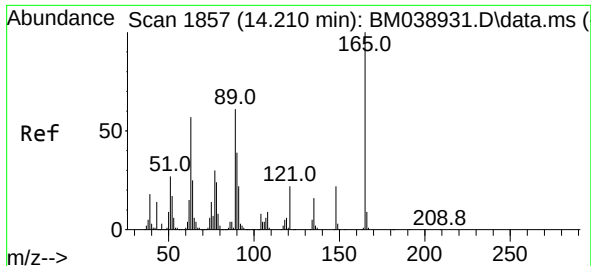
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.1 12.1

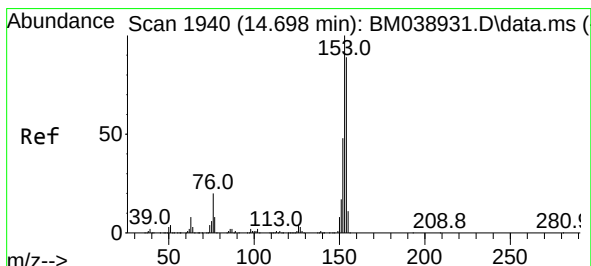
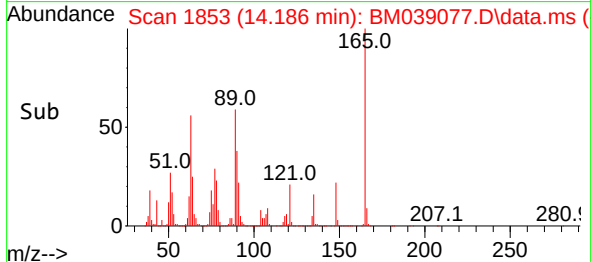
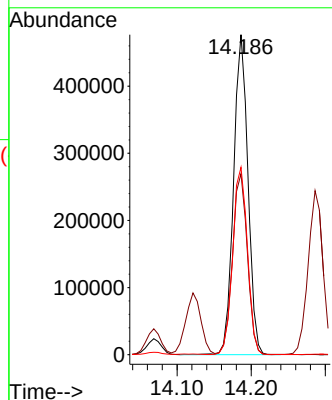
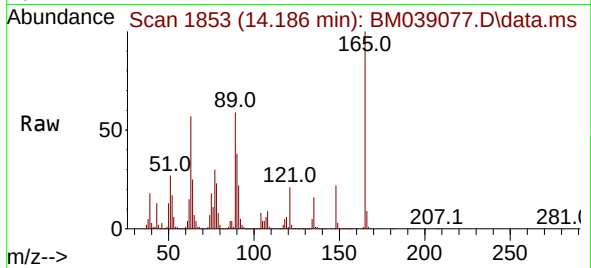




#51
2,6-Dinitrotoluene
Concen: 44.130 ng
RT: 14.186 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

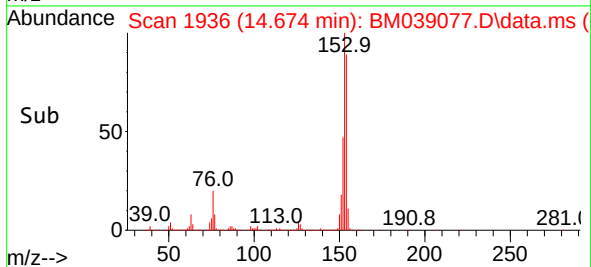
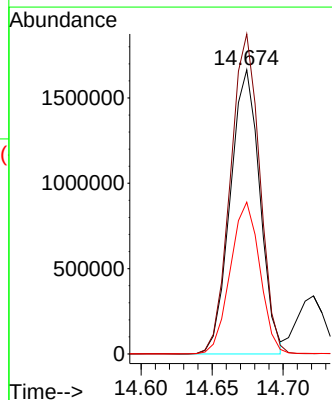
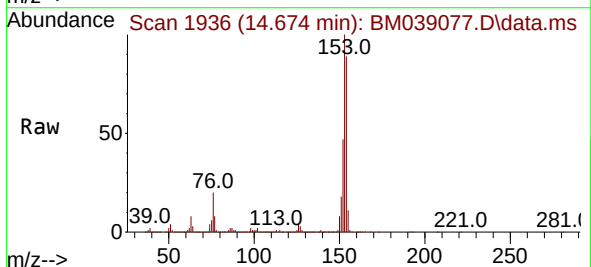
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

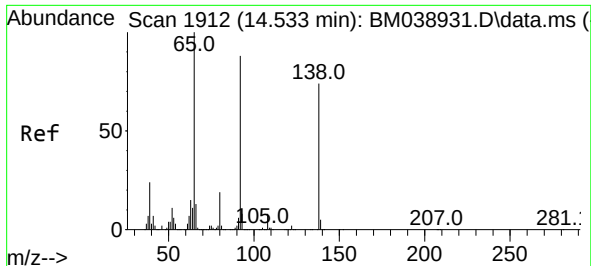
Tgt Ion:165 Resp: 640207
Ion Ratio Lower Upper
165 100
63 56.5 46.6 70.0
89 58.6 48.6 73.0



#52
Acenaphthene
Concen: 45.130 ng
RT: 14.674 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:154 Resp: 2412348
Ion Ratio Lower Upper
154 100
153 112.6 90.2 135.2
152 53.4 43.4 65.2

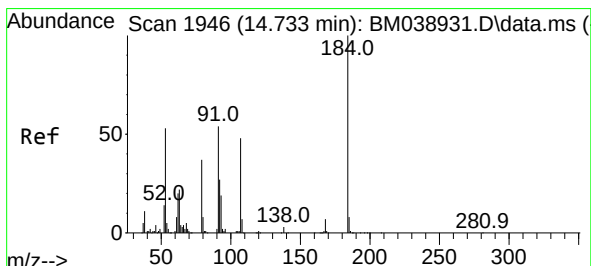
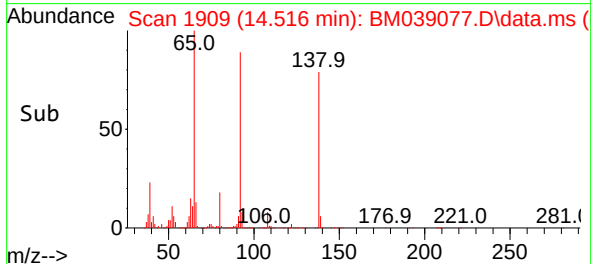
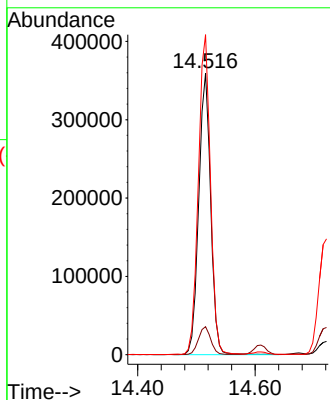
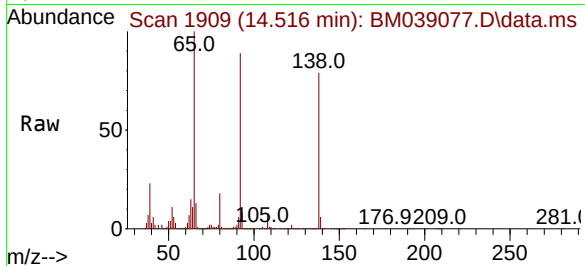




#53
3-Nitroaniline
Concen: 30.331 ng
RT: 14.516 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

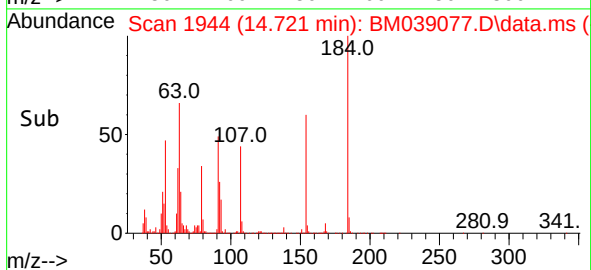
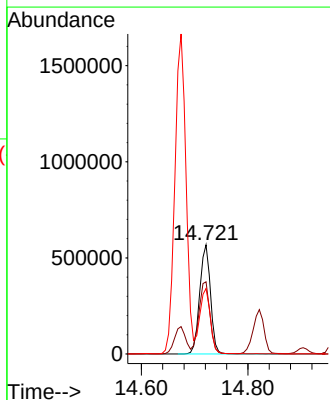
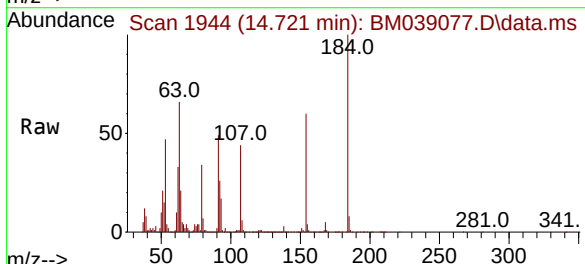
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

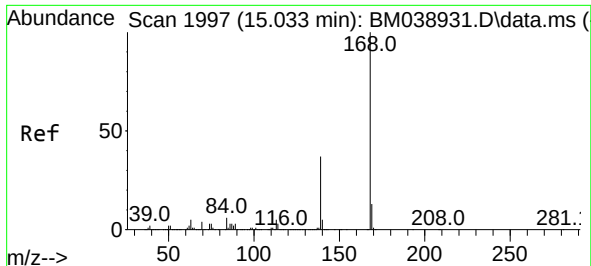
Tgt Ion:138 Resp: 505472
Ion Ratio Lower Upper
138 100
108 10.0 8.3 12.5
92 113.7 95.8 143.8



#54
2,4-Dinitrophenol
Concen: 94.263 ng
RT: 14.721 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:184 Resp: 796381
Ion Ratio Lower Upper
184 100
63 66.2 60.6 90.8
154 60.0 51.4 77.2

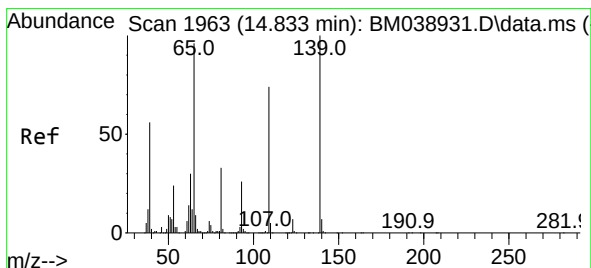
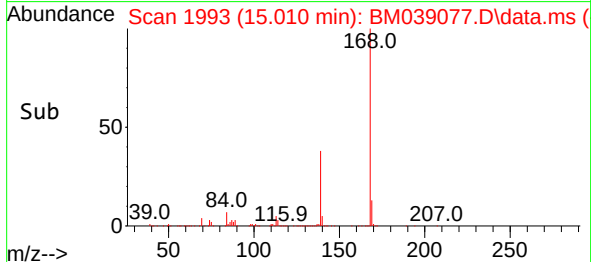
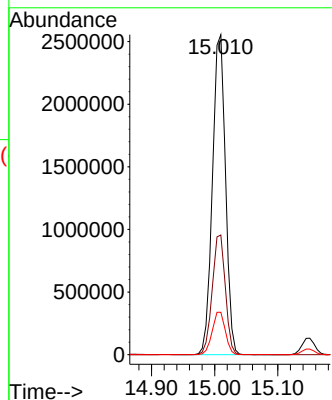
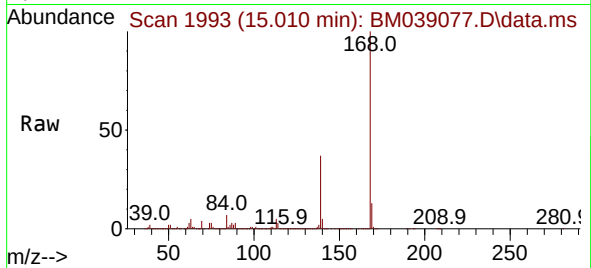




#55
Dibenzenofuran
Concen: 43.769 ng
RT: 15.010 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

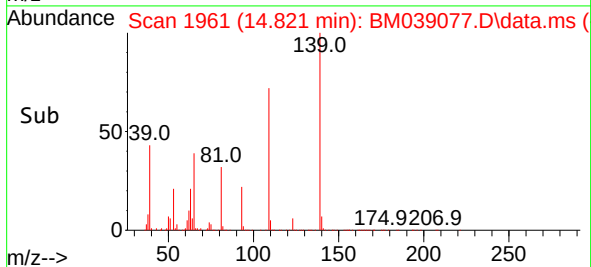
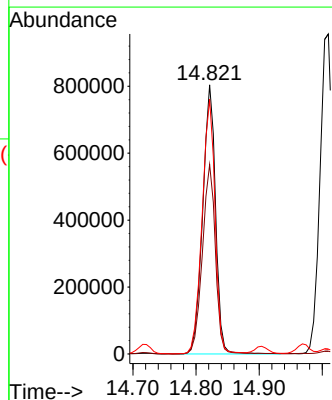
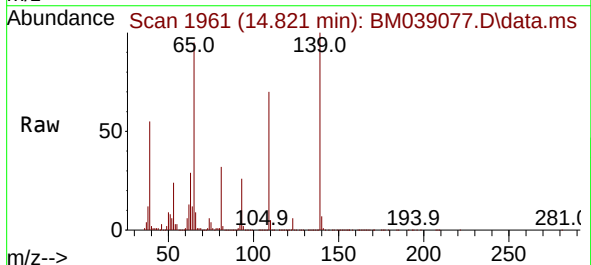
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

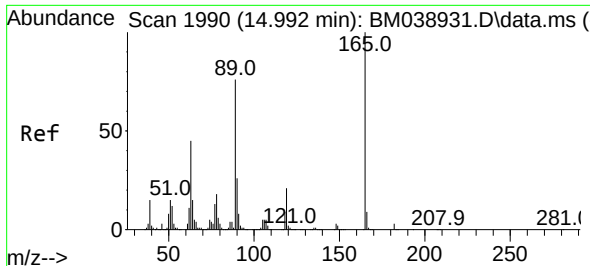
Tgt Ion:168 Resp: 3661156
Ion Ratio Lower Upper
168 100
139 37.4 29.9 44.9
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 87.086 ng
RT: 14.821 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:139 Resp: 1137595
Ion Ratio Lower Upper
139 100
109 70.4 53.5 93.5
65 94.6 76.4 116.4

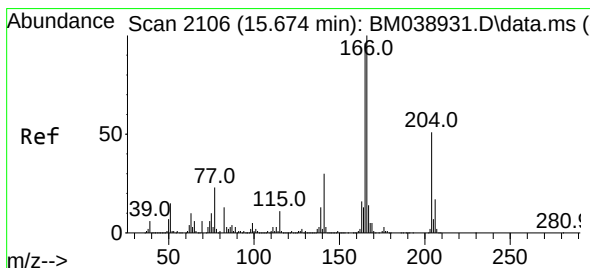
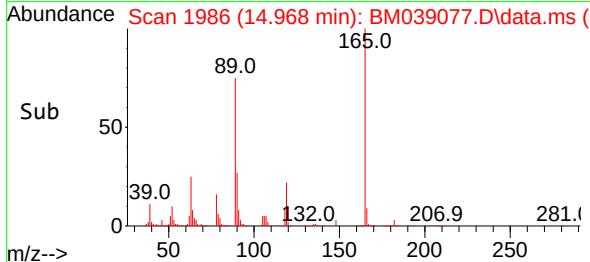
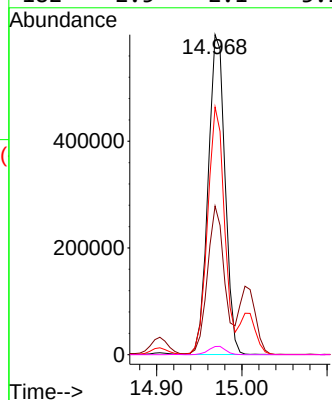
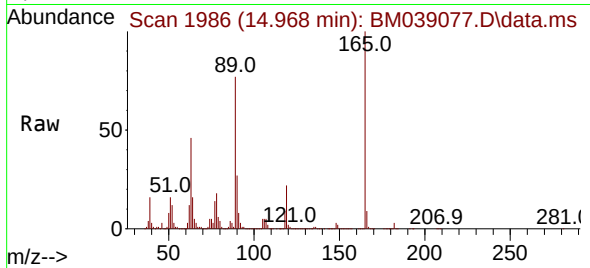




#57
2,4-Dinitrotoluene
Concen: 43.324 ng
RT: 14.968 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

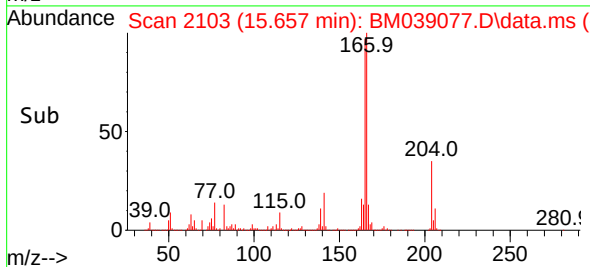
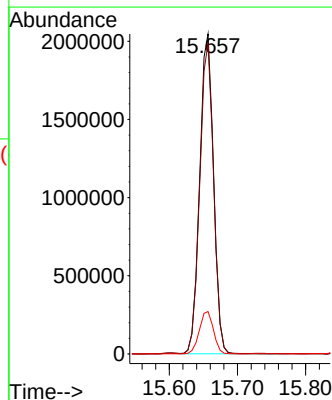
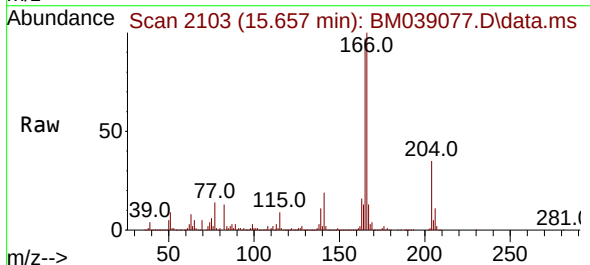
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

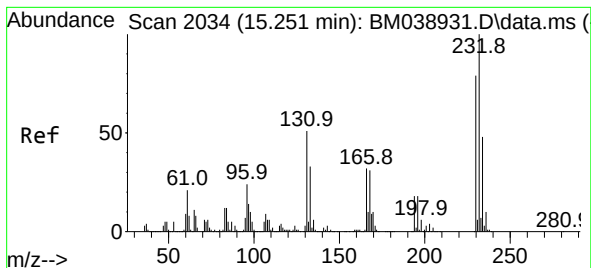
Tgt Ion:165 Resp: 825322
Ion Ratio Lower Upper
165 100
63 46.5 35.9 53.9
89 77.4 61.0 91.6
182 2.5 2.1 3.1



#58
Fluorene
Concen: 43.977 ng
RT: 15.657 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:166 Resp: 2881500
Ion Ratio Lower Upper
166 100
165 97.1 77.1 115.7
167 13.3 10.9 16.3

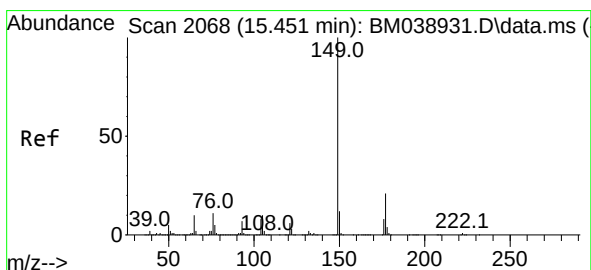
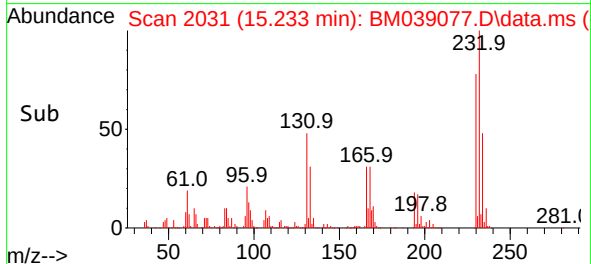
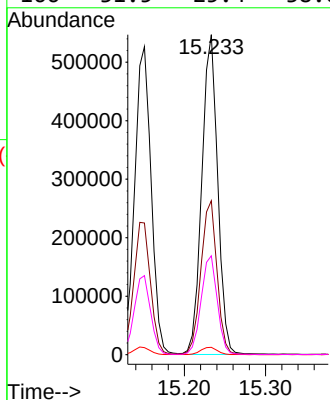
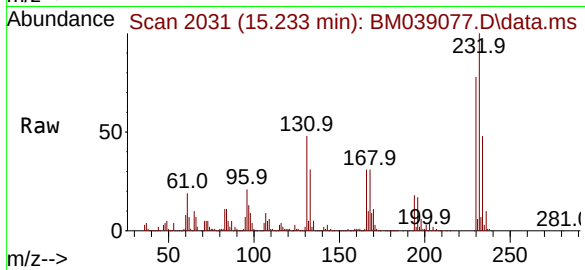




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.650 ng
RT: 15.233 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

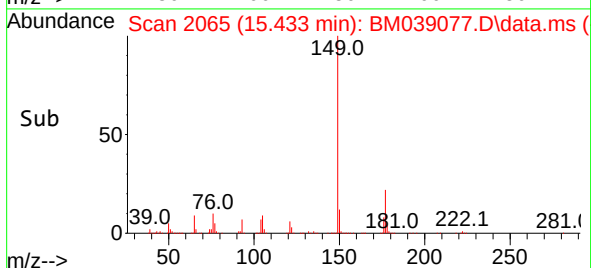
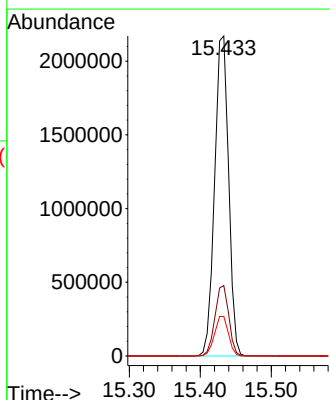
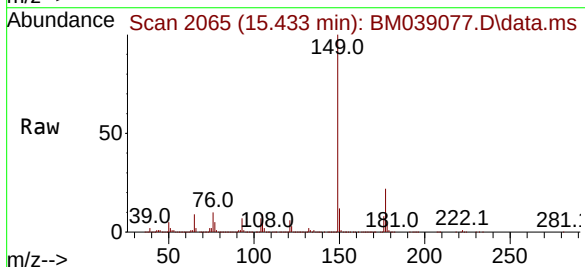
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

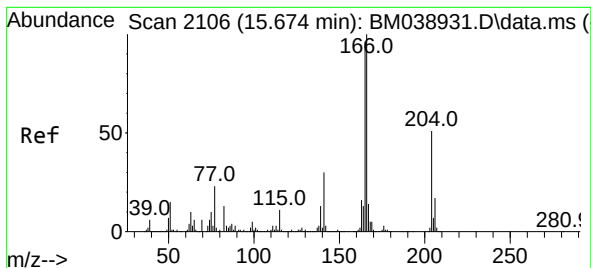
Tgt Ion:232 Resp: 741528
Ion Ratio Lower Upper
232 100
131 48.9 40.0 60.0
130 2.5 2.0 3.0
166 31.5 25.4 38.0



#60
Diethylphthalate
Concen: 46.198 ng
RT: 15.433 min Scan# 2065
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:149 Resp: 2956614
Ion Ratio Lower Upper
149 100
177 22.0 17.1 25.7
150 12.4 9.7 14.5

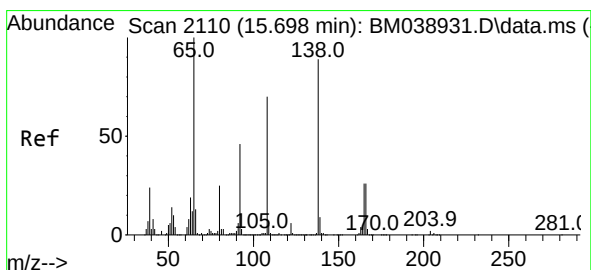
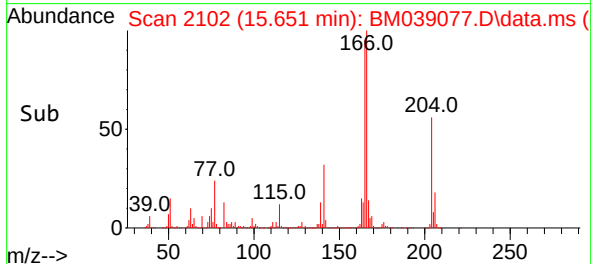
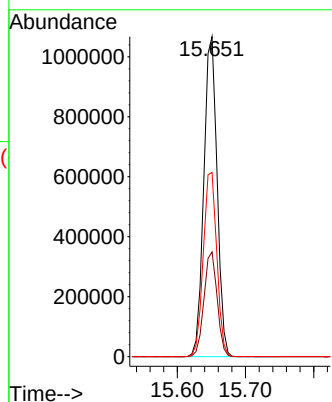
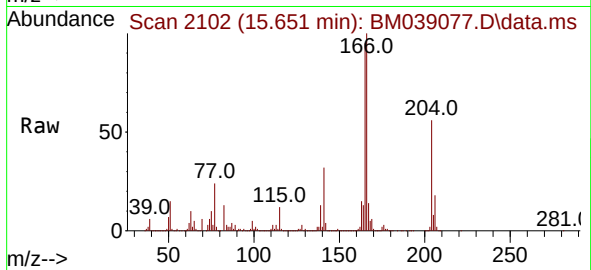




#61
4-Chlorophenyl-phenylether
Concen: 44.924 ng
RT: 15.651 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

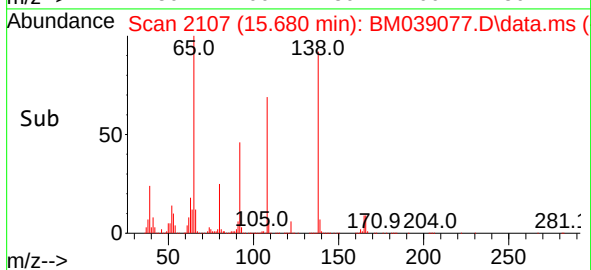
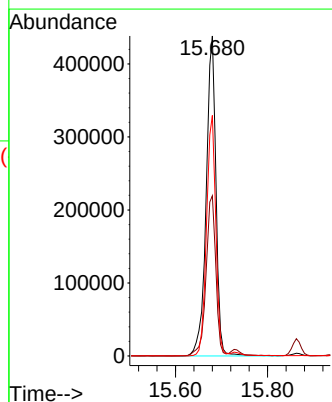
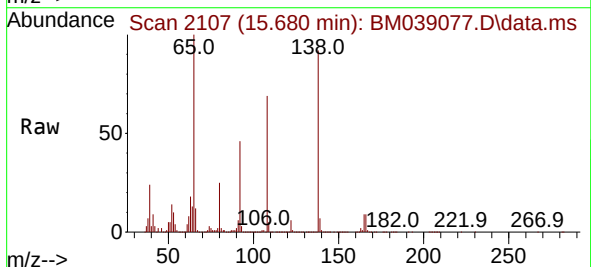
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

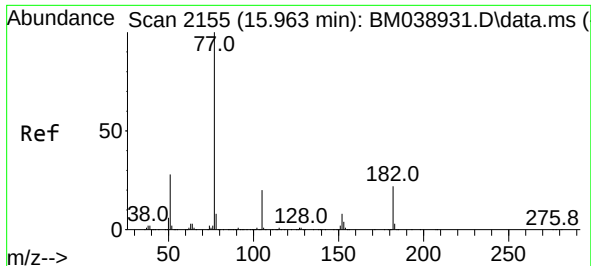
Tgt Ion:204 Resp: 1446084
Ion Ratio Lower Upper
204 100
206 32.7 26.4 39.6
141 57.5 46.4 69.6



#62
4-Nitroaniline
Concen: 38.103 ng
RT: 15.680 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:138 Resp: 653010
Ion Ratio Lower Upper
138 100
92 50.1 31.6 71.6
108 75.1 58.6 98.6

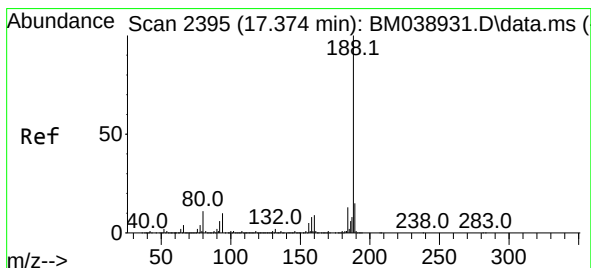
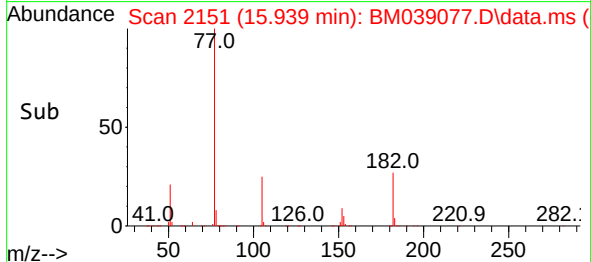
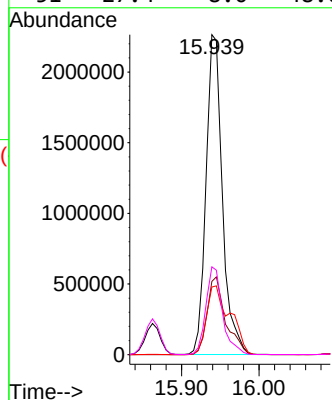
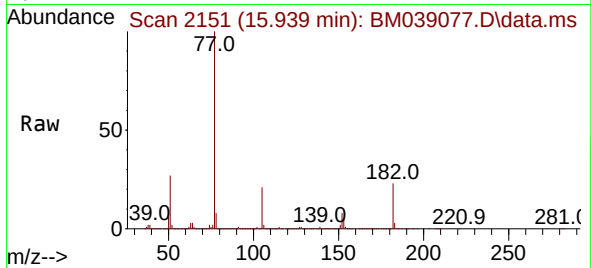




#63
Azobenzene
Concen: 49.035 ng
RT: 15.939 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

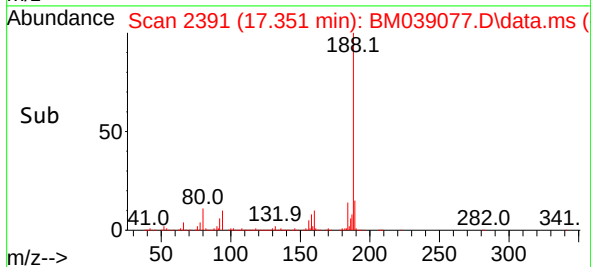
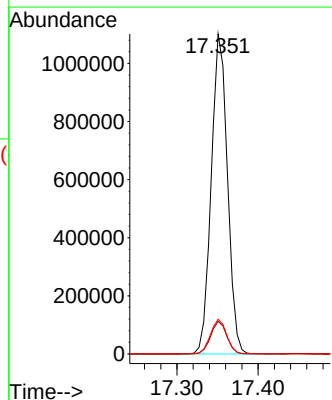
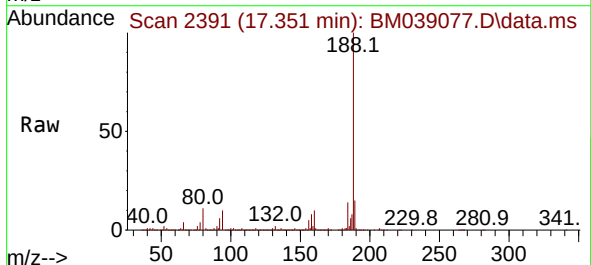
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

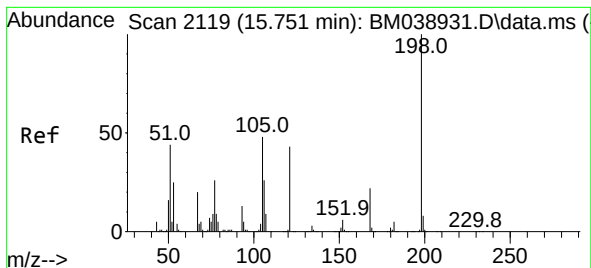
Tgt Ion: 77 Resp: 3320520
Ion Ratio Lower Upper
77 100
182 22.9 2.0 42.0
105 21.2 0.4 40.4
51 27.4 8.0 48.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:188 Resp: 1523604
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 10.9 8.5 12.7

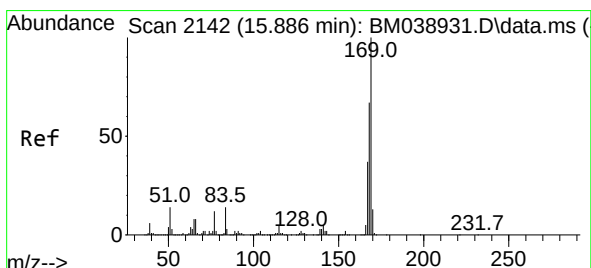
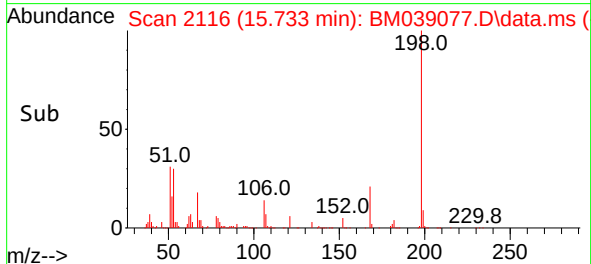
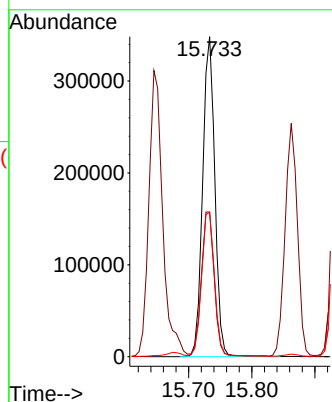
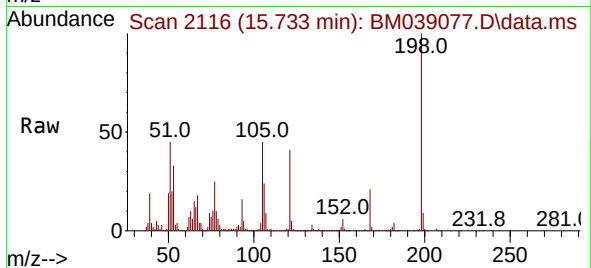




#65
4,6-Dinitro-2-methylphenol
Concen: 46.679 ng
RT: 15.733 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

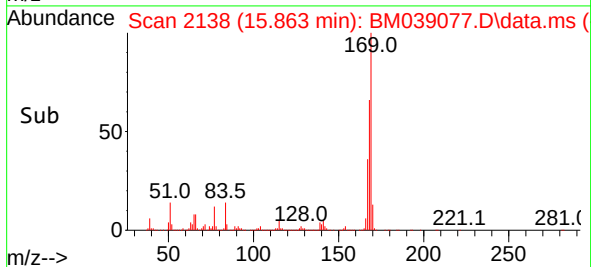
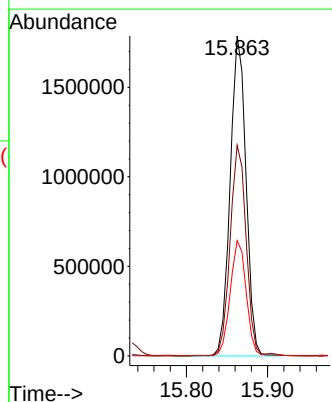
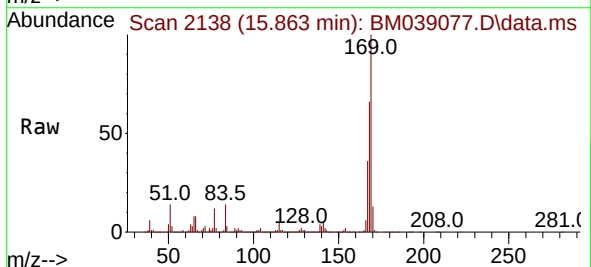
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

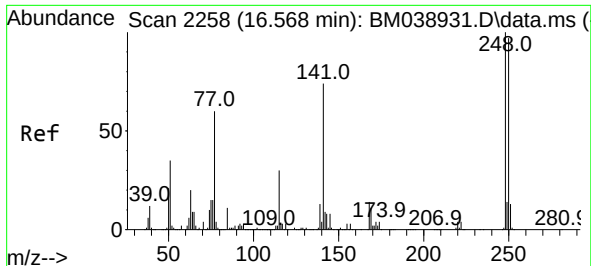
Tgt Ion:198 Resp: 465818
Ion Ratio Lower Upper
198 100
51 45.2 30.1 70.1
105 45.1 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 46.966 ng
RT: 15.863 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:169 Resp: 2412343
Ion Ratio Lower Upper
169 100
168 65.8 53.4 80.0
167 36.1 29.4 44.0

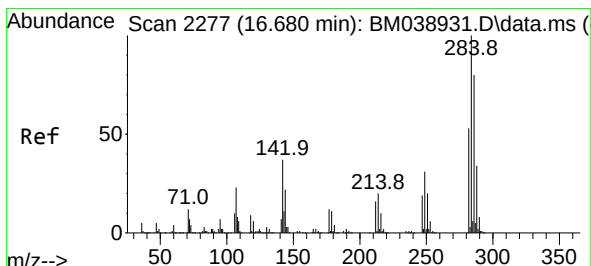
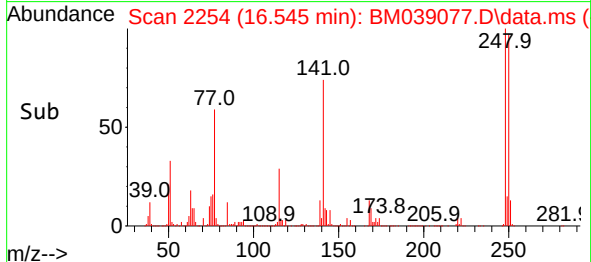
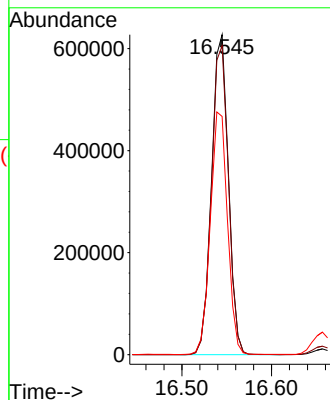
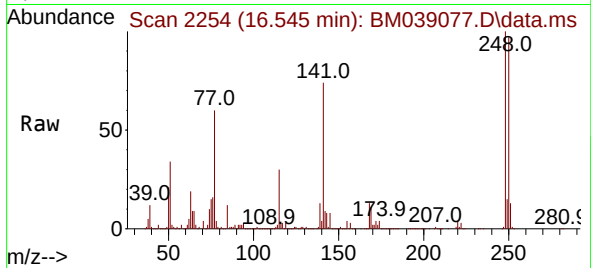




#67
4-Bromophenyl-phenylether
Concen: 49.734 ng
RT: 16.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

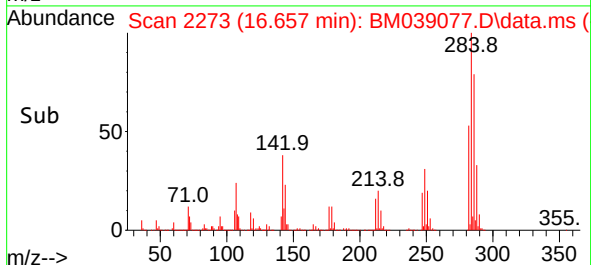
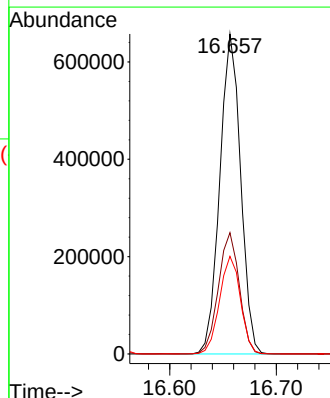
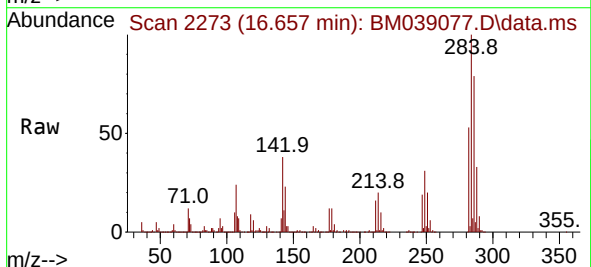
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

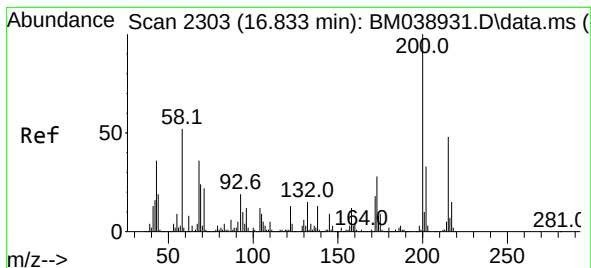
Tgt Ion:248 Resp: 818452
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.8
141 74.5 59.0 88.4



#68
Hexachlorobenzene
Concen: 48.465 ng
RT: 16.657 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:284 Resp: 891608
Ion Ratio Lower Upper
284 100
142 37.9 29.5 44.3
249 30.5 25.0 37.4





#69

Atrazine

Concen: 53.057 ng

RT: 16.815 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

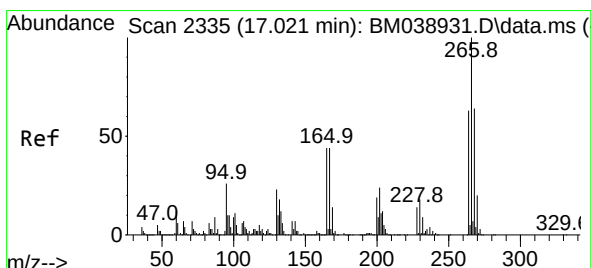
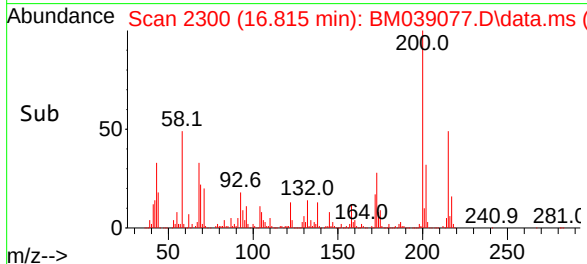
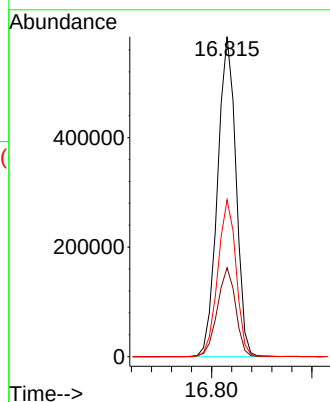
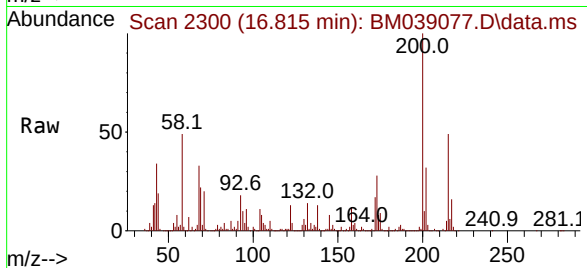
Tgt Ion:200 Resp: 744374

Ion Ratio Lower Upper

200 100

173 27.8 8.2 48.2

215 49.1 27.8 67.8



#70

Pentachlorophenol

Concen: 82.811 ng

RT: 17.004 min Scan# 2332

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

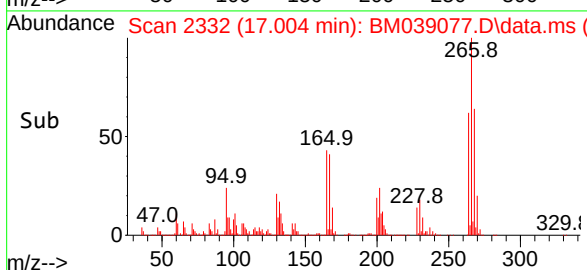
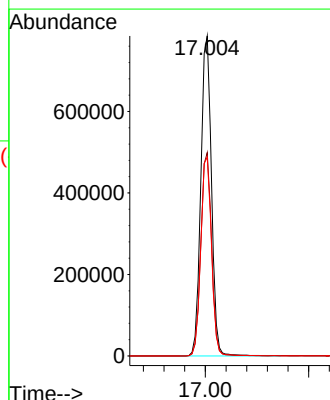
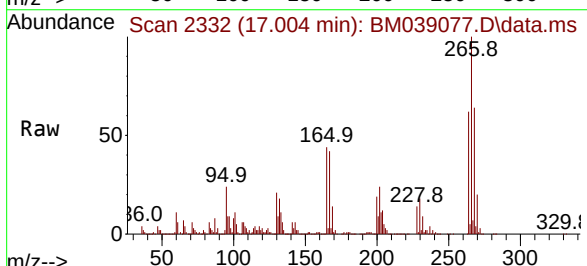
Tgt Ion:266 Resp: 1120503

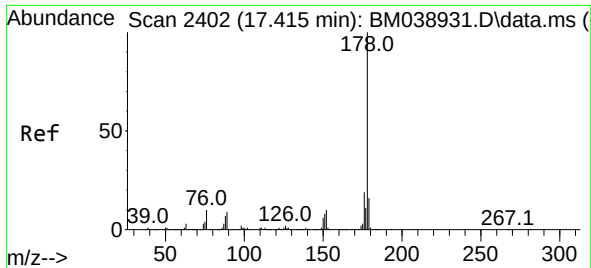
Ion Ratio Lower Upper

266 100

268 63.5 51.0 76.4

264 62.1 50.3 75.5

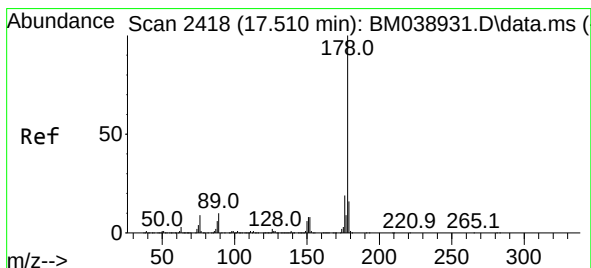
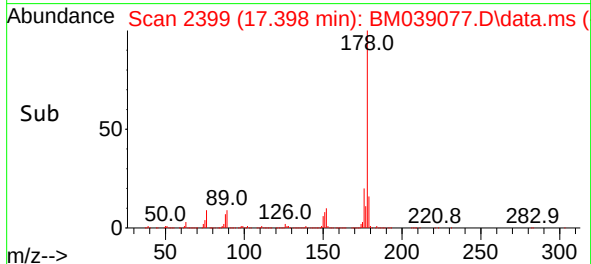
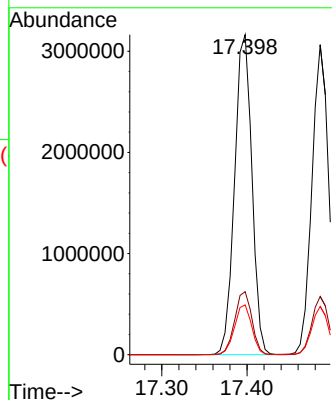
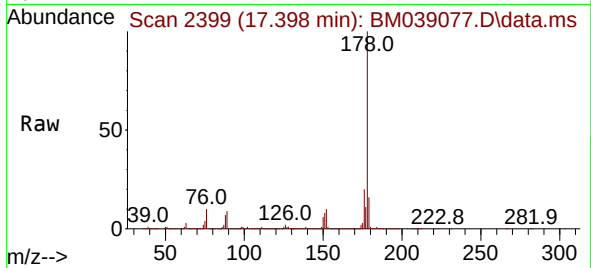




#71
Phenanthrene
Concen: 49.918 ng
RT: 17.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

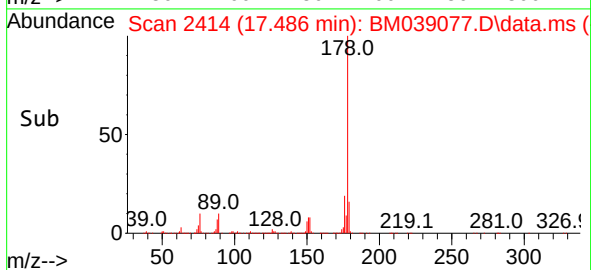
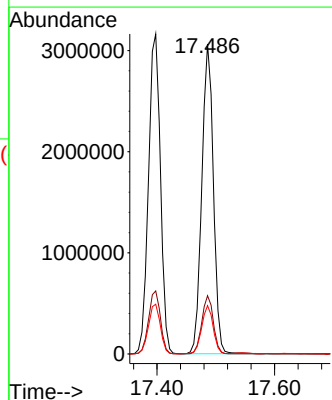
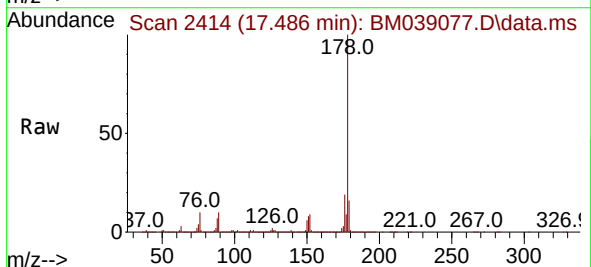
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

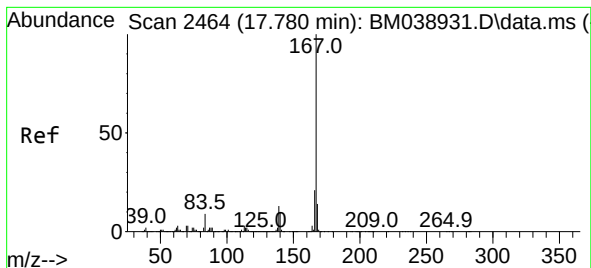
Tgt Ion:178 Resp: 4463711
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 47.052 ng
RT: 17.486 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:178 Resp: 4195866
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 12.5 18.7





#73

Carbazole

Concen: 44.175 ng

RT: 17.757 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

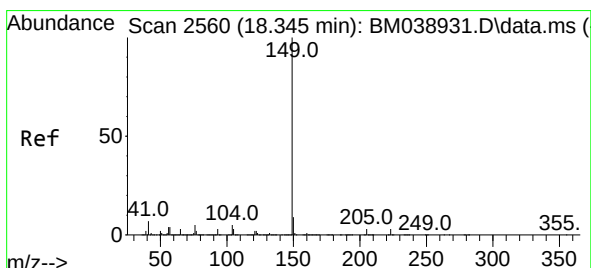
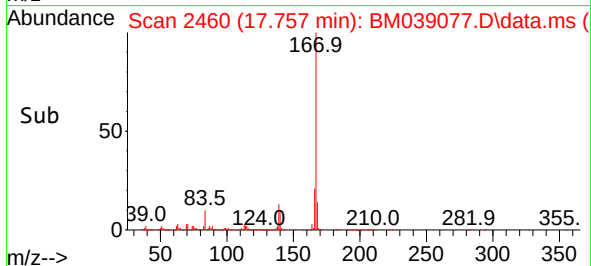
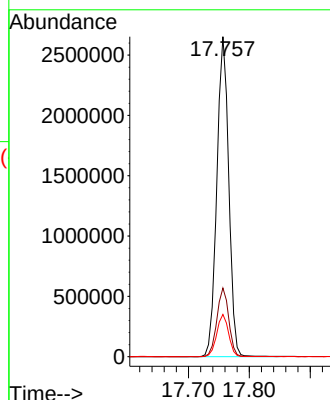
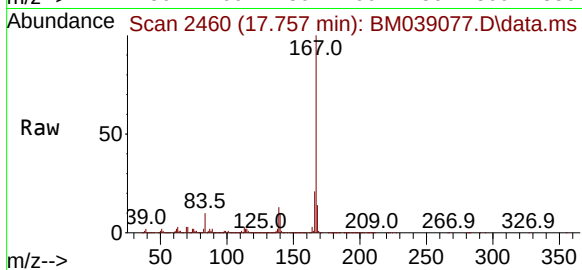
Tgt Ion:167 Resp: 3595279

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

139 13.2 10.3 15.5



#74

Di-n-butylphthalate

Concen: 48.180 ng

RT: 18.321 min Scan# 2556

Delta R.T. 0.000 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

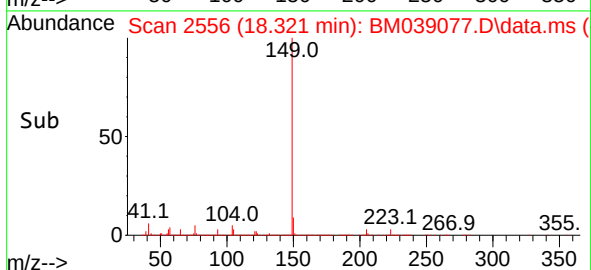
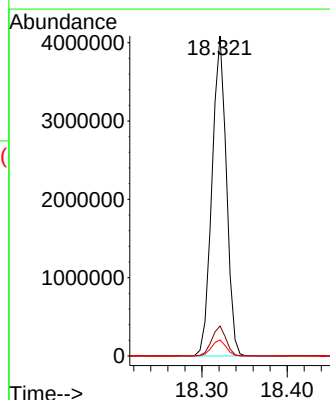
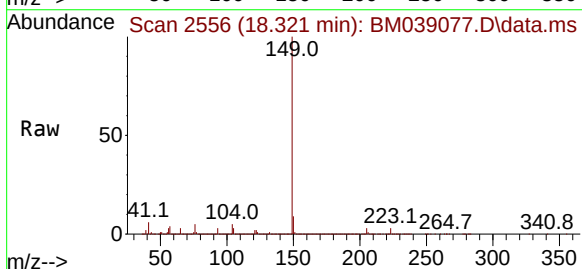
Tgt Ion:149 Resp: 4783397

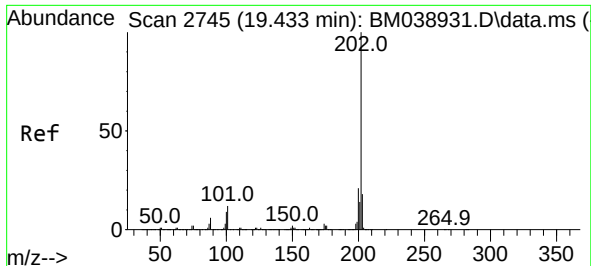
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

104 5.0 4.3 6.5

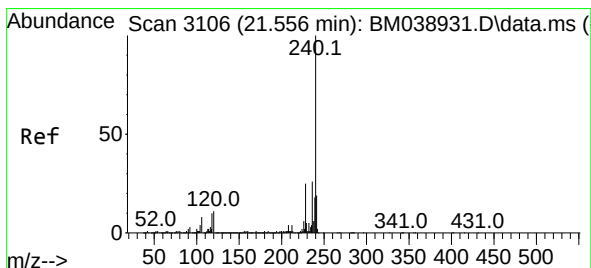
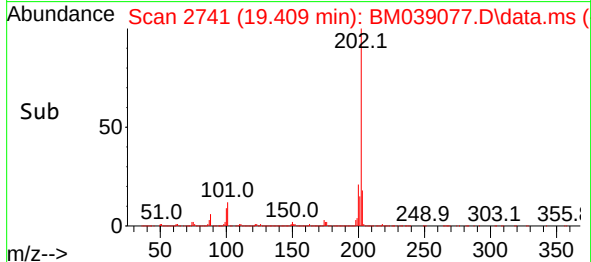
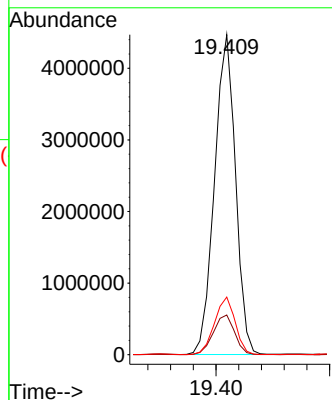
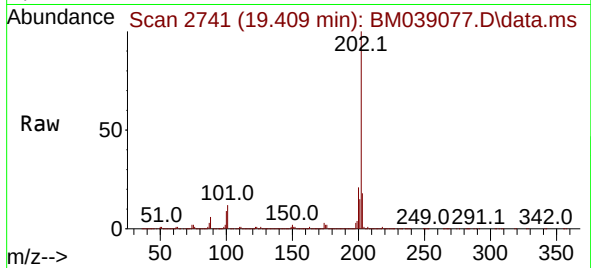




#75
Fluoranthene
Concen: 60.759 ng
RT: 19.409 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

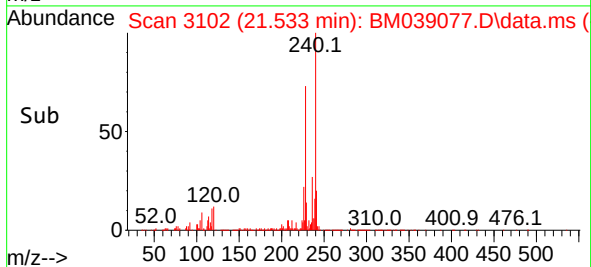
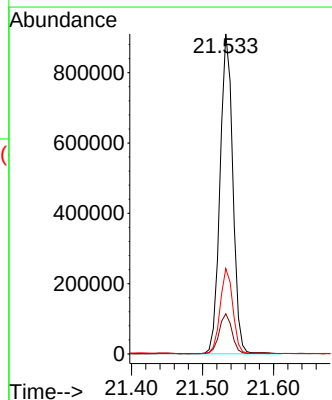
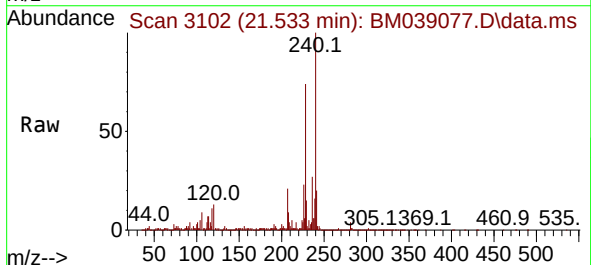
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

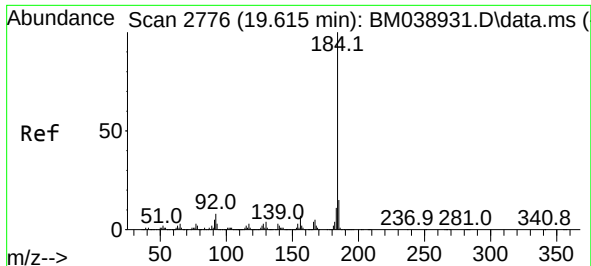
Tgt Ion:202 Resp: 5736593
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:240 Resp: 1130068
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 26.7 20.8 31.2

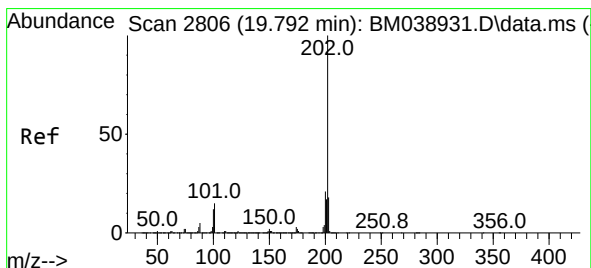
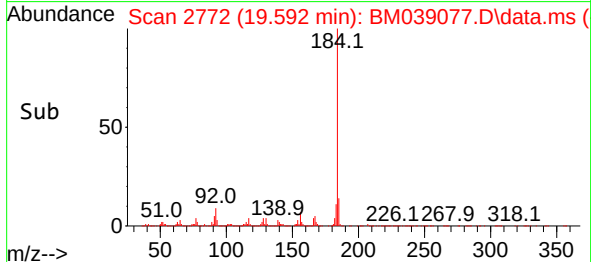
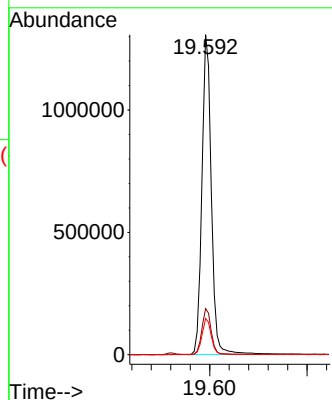
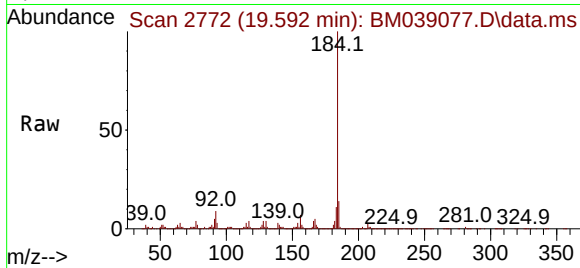




#77
Benzidine
Concen: 66.595 ng
RT: 19.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

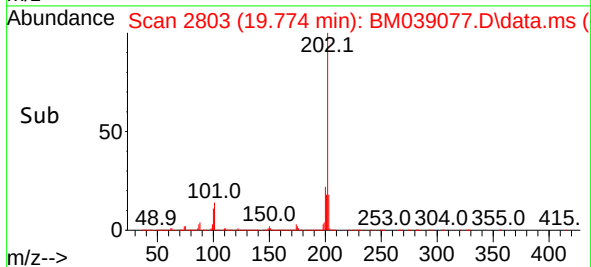
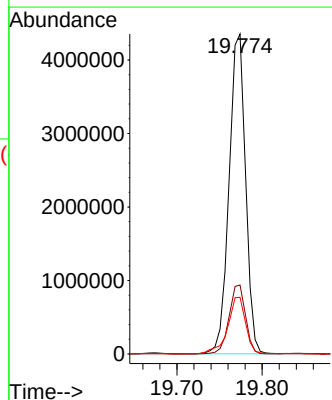
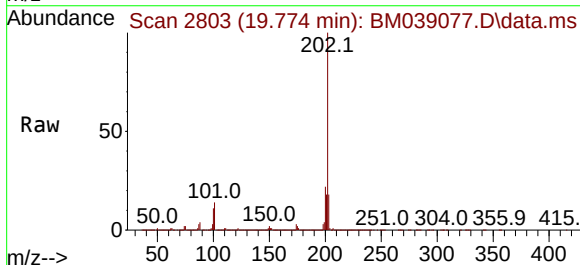
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

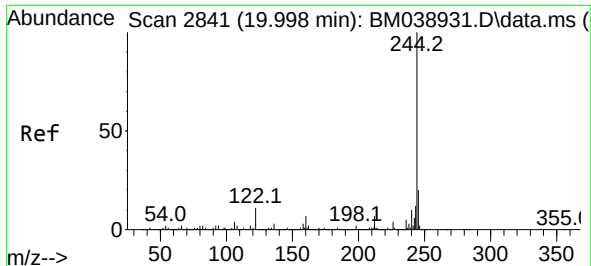
Tgt Ion:184 Resp: 1769590
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.4
183 11.3 8.8 13.2



#78
Pyrene
Concen: 69.008 ng
RT: 19.774 min Scan# 2803
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:202 Resp: 5857198
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.7 14.1 21.1

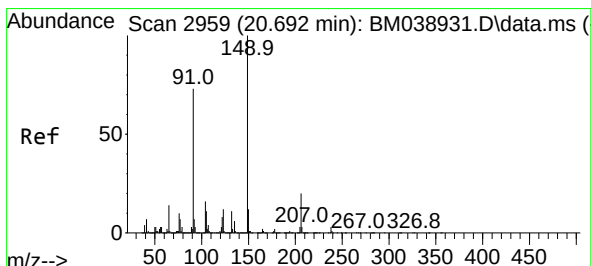
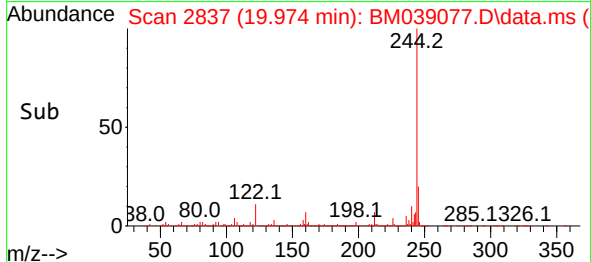
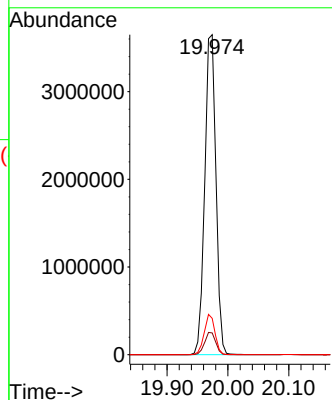
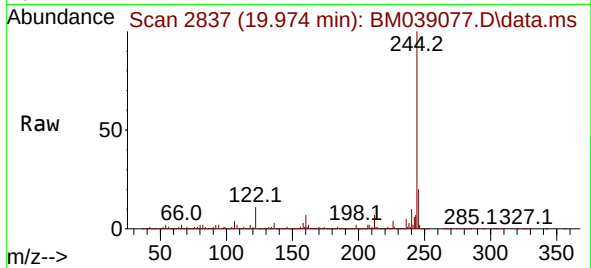




#79
 Terphenyl-d14
 Concen: 75.266 ng
 RT: 19.974 min Scan# 2837
 Delta R.T. 0.006 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

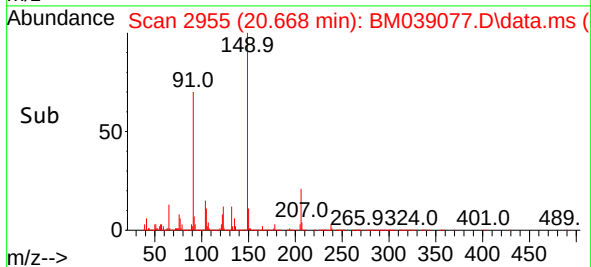
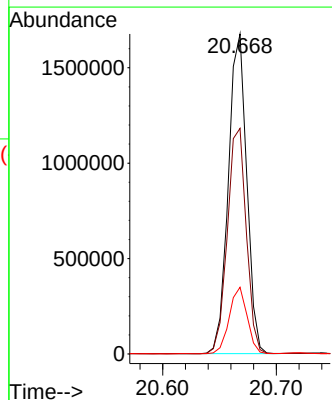
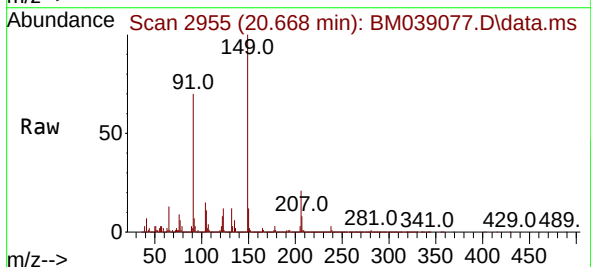
Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MSD

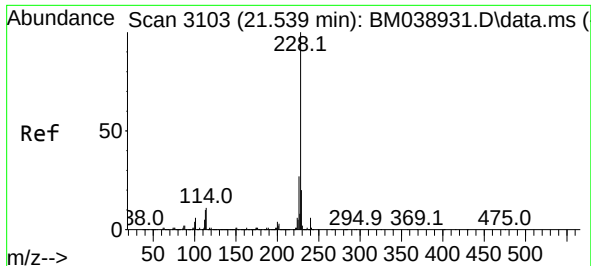
Tgt Ion:244 Resp: 4652091
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.3 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 51.918 ng
 RT: 20.668 min Scan# 2955
 Delta R.T. 0.006 min
 Lab File: BM039077.D
 Acq: 21 Mar 2023 20:14

Tgt Ion:149 Resp: 1884242
 Ion Ratio Lower Upper
 149 100
 91 70.5 58.4 87.6
 206 20.9 16.1 24.1

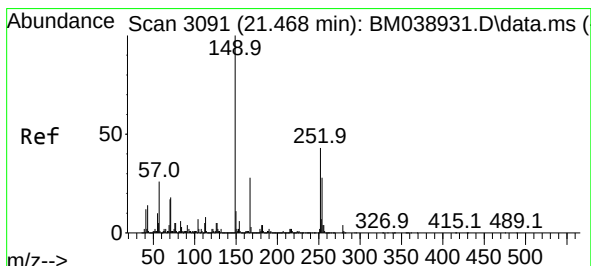
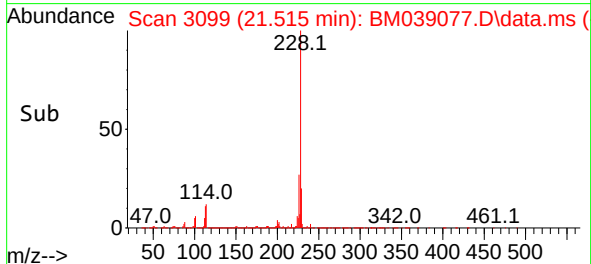
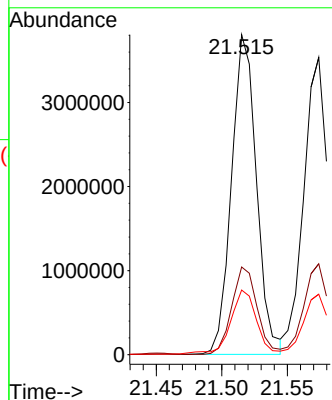
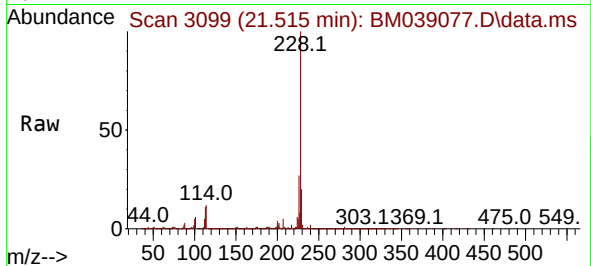




#81
Benzo(a)anthracene
Concen: 61.885 ng
RT: 21.515 min Scan# 3099
Delta R.T. 0.000 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

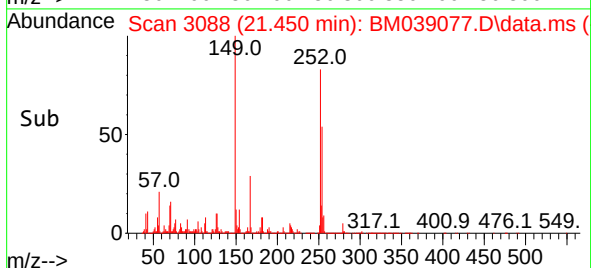
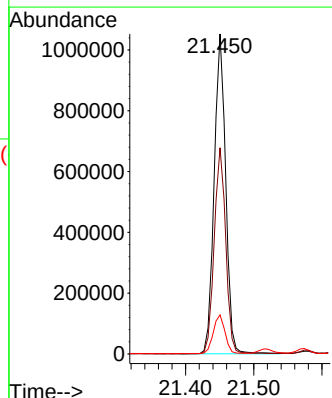
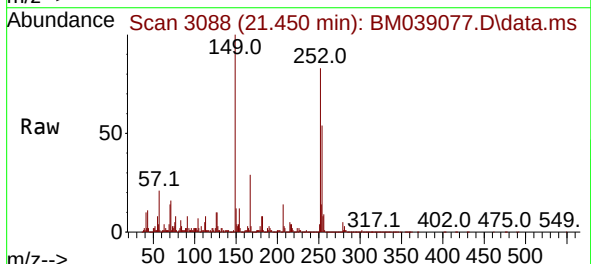
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

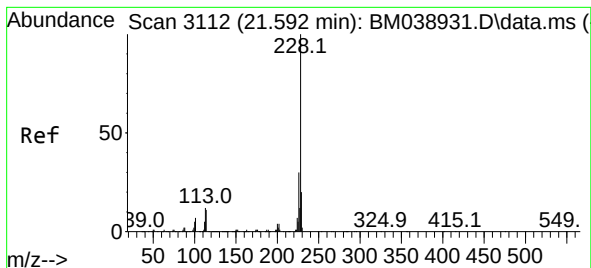
Tgt Ion:228 Resp: 5036333
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.2 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 49.406 ng
RT: 21.450 min Scan# 3088
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:252 Resp: 1235732
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 12.2 9.9 14.9





#83

Chrysene

Concen: 57.785 ng

RT: 21.574 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

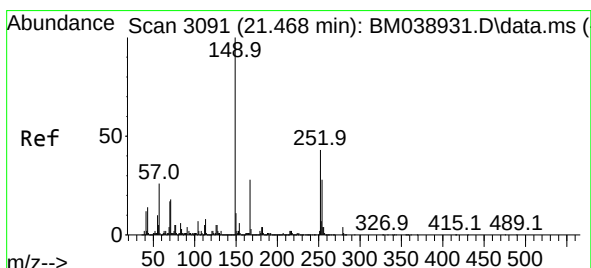
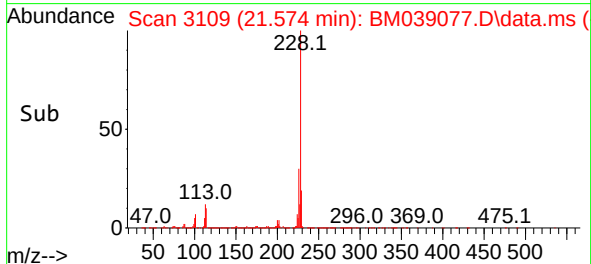
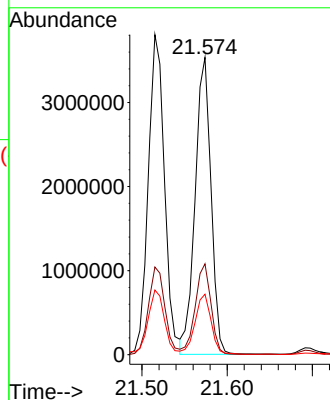
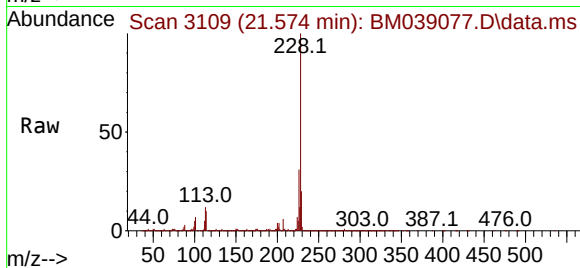
Tgt Ion:228 Resp: 4573705

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 20.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.208 ng

RT: 21.445 min Scan# 3087

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

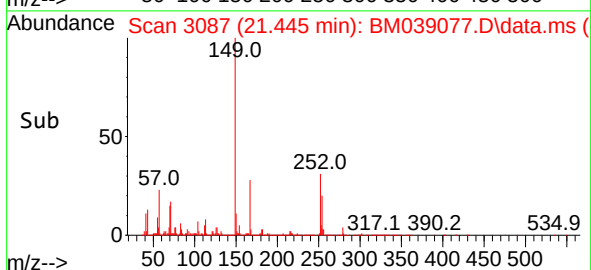
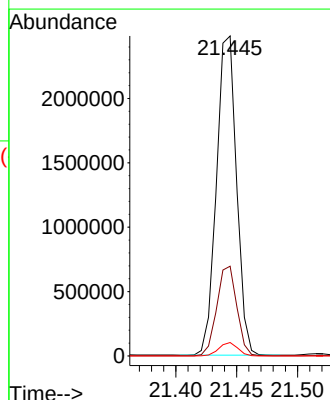
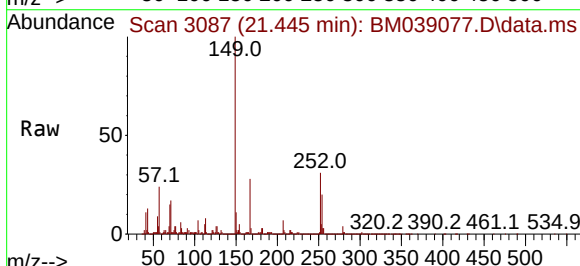
Tgt Ion:149 Resp: 2846316

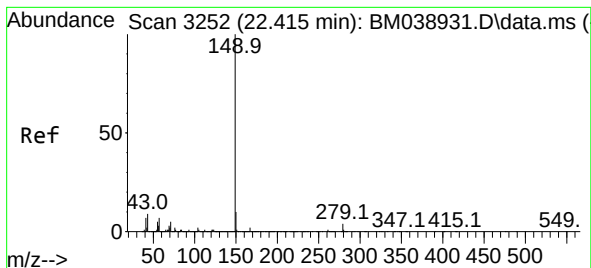
Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

279 4.2 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 55.936 ng

RT: 22.380 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

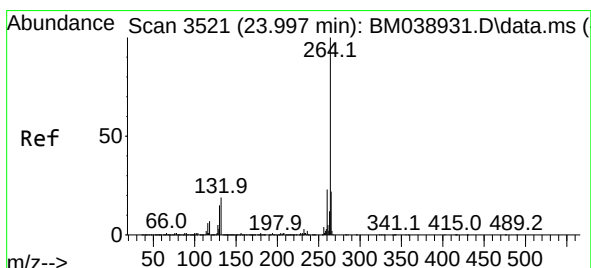
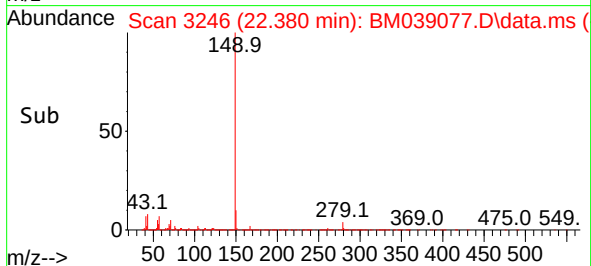
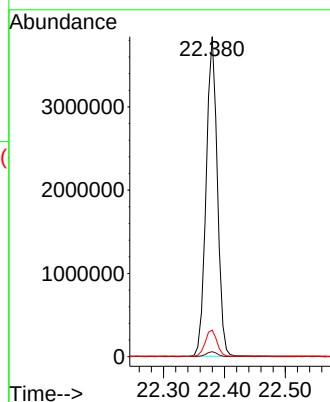
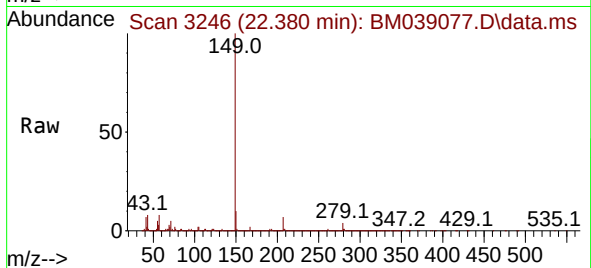
Tgt Ion:149 Resp: 4902843

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.6 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: BM039077.D

Acq: 21 Mar 2023 20:14

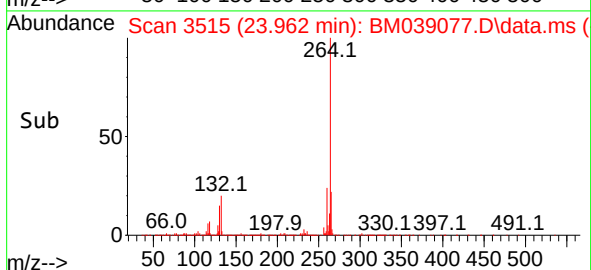
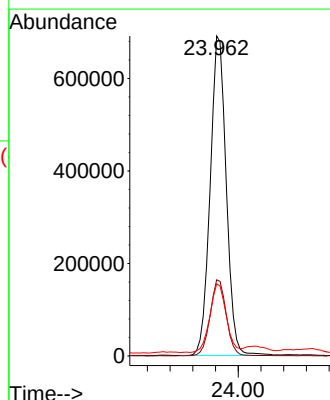
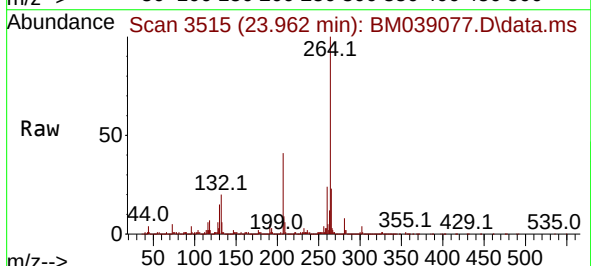
Tgt Ion:264 Resp: 1356944

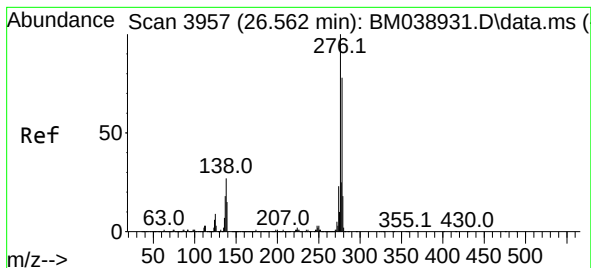
Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.674 ng

RT: 26.509 min Scan# 3948

Delta R.T. 0.012 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

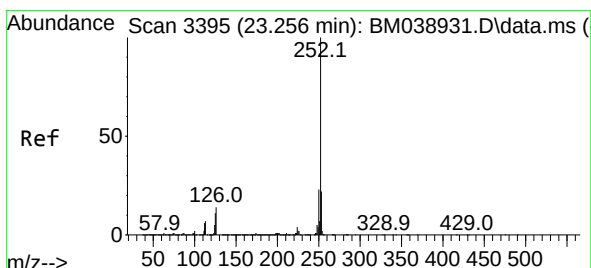
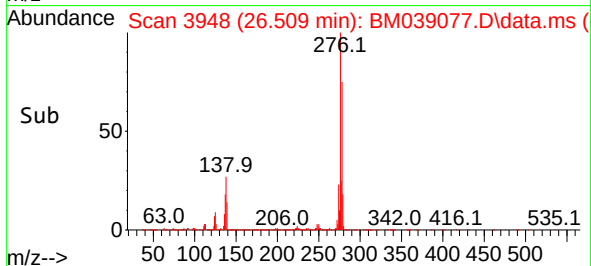
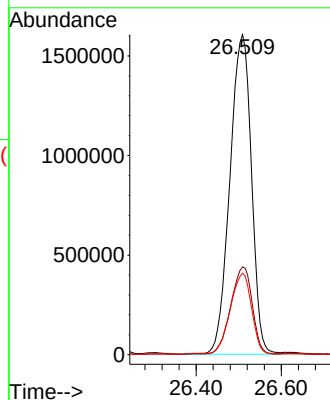
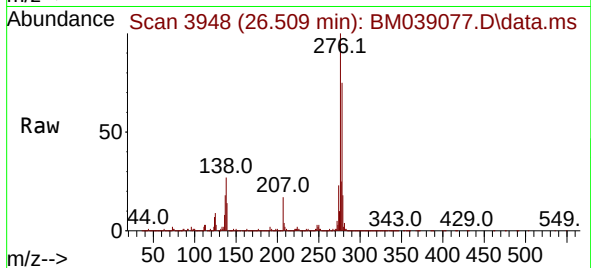
Tgt Ion:276 Resp: 5645283

Ion Ratio Lower Upper

276 100

138 27.0 22.1 33.1

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 61.308 ng

RT: 23.227 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

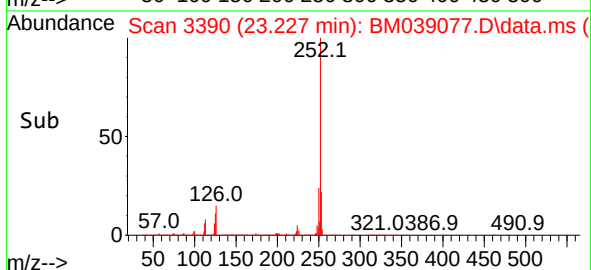
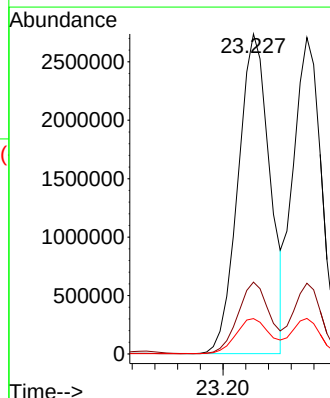
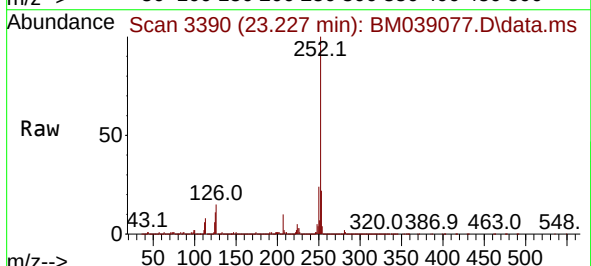
Tgt Ion:252 Resp: 5314847

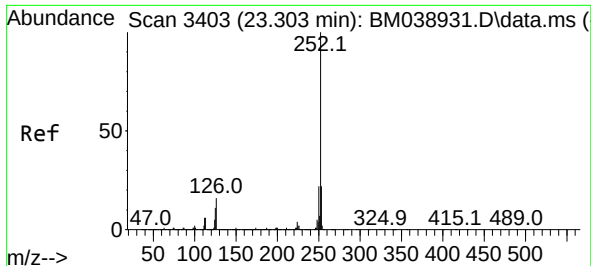
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 11.1 8.8 13.2

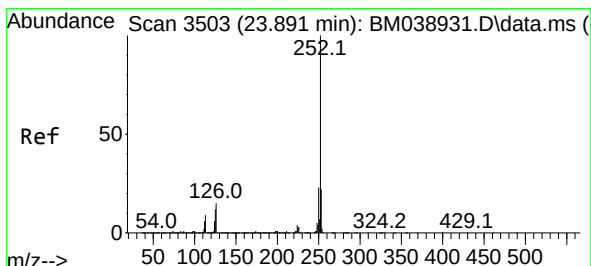
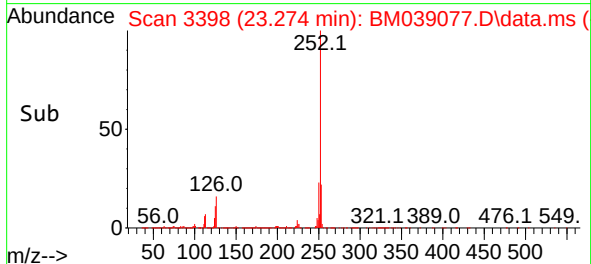
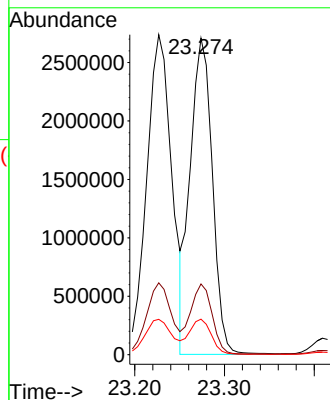
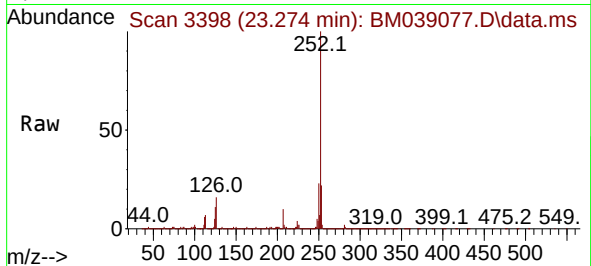




#89
Benzo(k)fluoranthene
Concen: 51.547 ng
RT: 23.274 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

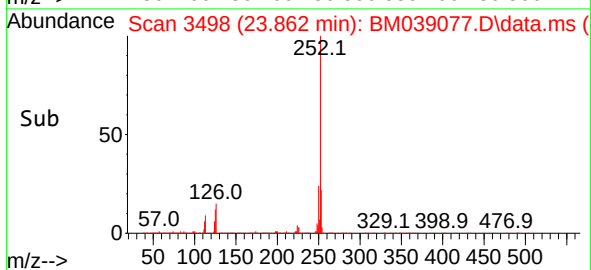
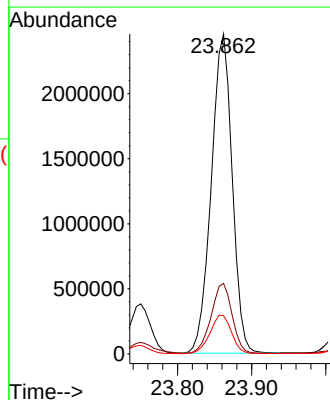
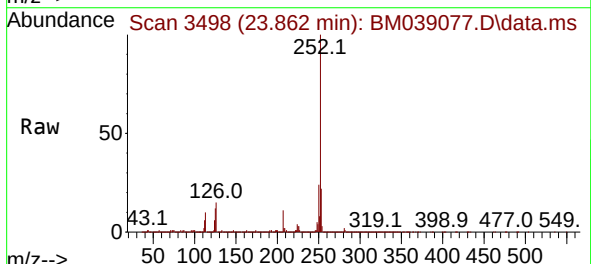
Instrument :
BNA_M
ClientSampleId :
IRV-3MSD

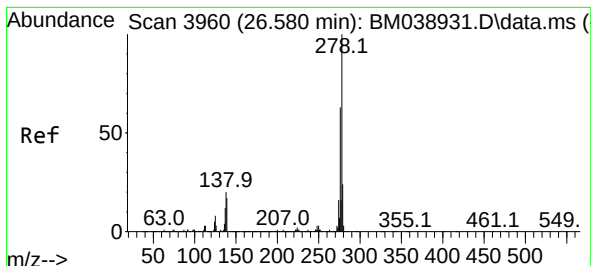
Tgt Ion:252 Resp: 4650559
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.2 8.9 13.3



#90
Benzo(a)pyrene
Concen: 57.654 ng
RT: 23.862 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BM039077.D
Acq: 21 Mar 2023 20:14

Tgt Ion:252 Resp: 4810280
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.9 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 48.538 ng

RT: 26.521 min Scan# 3950

Delta R.T. 0.012 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Instrument :

BNA_M

ClientSampleId :

IRV-3MSD

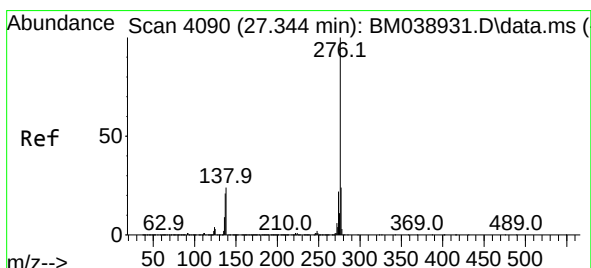
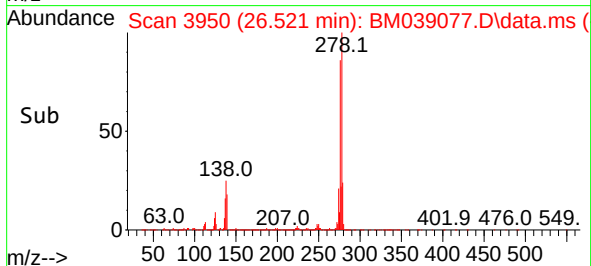
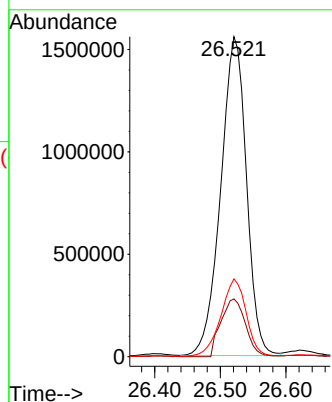
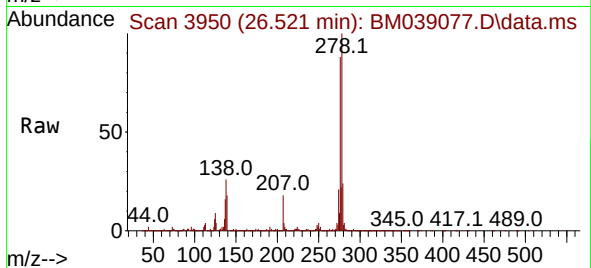
Tgt Ion:278 Resp: 4244294

Ion Ratio Lower Upper

278 100

139 18.1 13.7 20.5

279 24.3 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 54.858 ng

RT: 27.285 min Scan# 4080

Delta R.T. 0.012 min

Lab File: BM039077.D

Acq: 21 Mar 2023 20:14

Tgt Ion:276 Resp: 4693165

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 24.3 19.0 28.6

