

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039153.D
 Acq On : 24 Mar 2023 22:14
 Operator : CG/JU
 Sample : 02064-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-032323

Quant Time: Mar 25 01:09:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 24 15:04:20 2023
 Response via : Initial Calibration

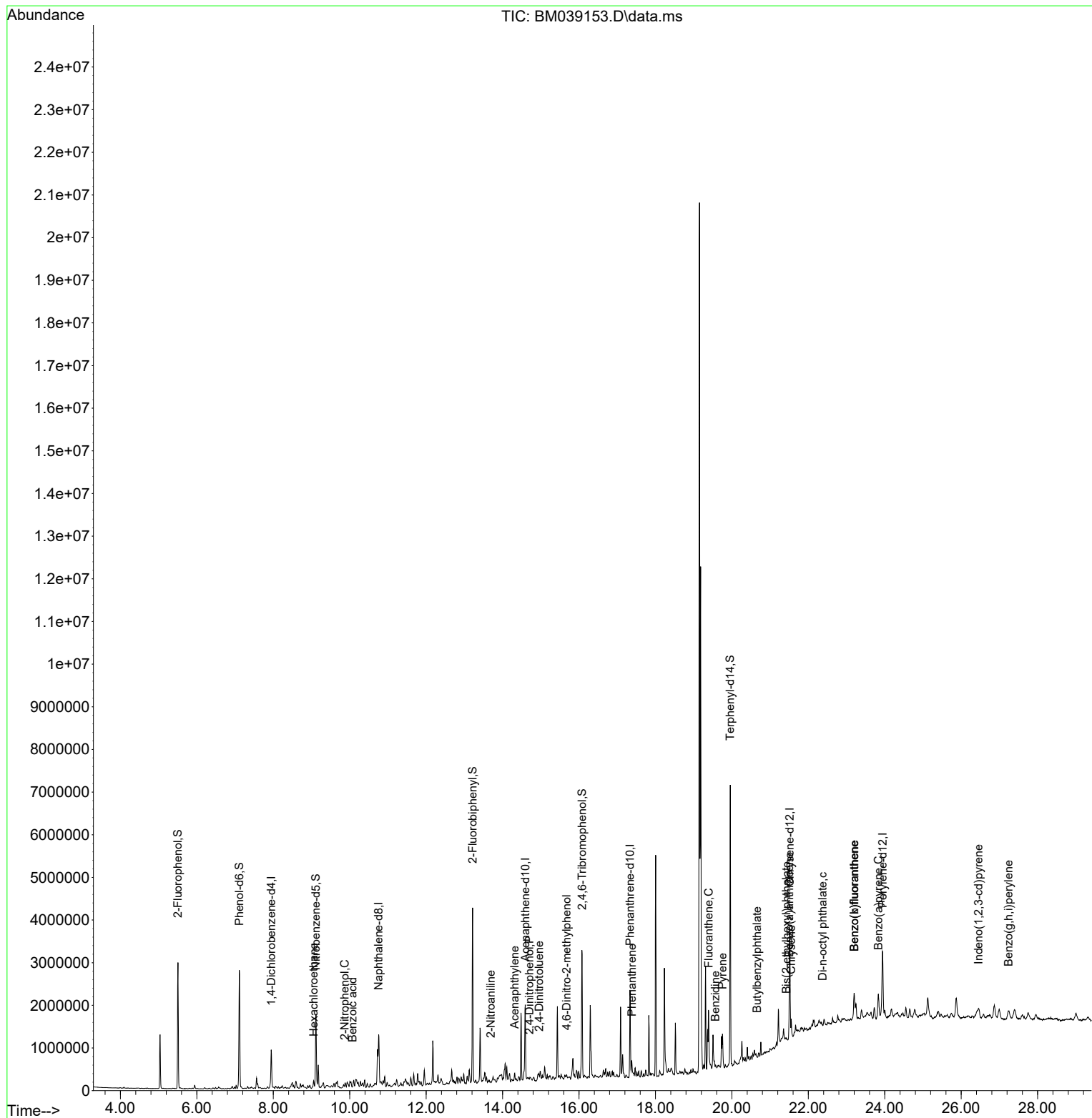
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	239287	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	984287	20.000	ng	-0.01
39) Acenaphthene-d10	14.592	164	571371	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1171894	20.000	ng	-0.01
76) Chrysene-d12	21.515	240	1046734	20.000	ng	-0.01
86) Perylene-d12	23.945	264	1160163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	1252050	79.496	ng	0.00
7) Phenol-d6	7.111	99	1644348	80.378	ng	0.00
23) Nitrobenzene-d5	9.116	82	973204	48.568	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	543081	82.162	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	2073669	47.246	ng	0.00
79) Terphenyl-d14	19.957	244	2958295	51.673	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.057	117	14333	2.144	ng	# 1
26) 2-Nitrophenol	9.869	139	1332	3.125	ng	# 1
32) Benzoic acid	10.075	122	162	5.745	ng	# 1
48) 2-Nitroaniline	13.692	65	740	2.276	ng	# 18
49) Acenaphthylene	14.316	152	136062	2.340	ng	# 98
54) 2,4-Dinitrophenol	14.698	184	124	5.212	ng	# 1
57) 2,4-Dinitrotoluene	14.957	165	466	2.106	ng	# 61
65) 4,6-Dinitro-2-methylph...	15.675	198	218	5.114	ng	# 1
71) Phenanthrene	17.380	178	205215	2.984	ng	# 99
75) Fluoranthene	19.392	202	415947	5.728	ng	# 98
77) Benzidine	19.569	184	462	4.894	ng	# 1
78) Pyrene	19.757	202	476729	6.064	ng	# 99
80) Butylbenzylphthalate	20.657	149	1243	3.351	ng	# 42
81) Benzo(a)anthracene	21.498	228	261289	3.466	ng	# 93
83) Chrysene	21.551	228	253732	3.461	ng	# 97
84) Bis(2-ethylhexyl)phtha...	21.421	149	12192	2.724	ng	# 85
85) Di-n-octyl phthalate	22.374	149	1749	3.817	ng	# 59
87) Indeno(1,2,3-cd)pyrene	26.456	276	239048	2.708	ng	# 97
88) Benzo(b)fluoranthene	23.204	252	565401	7.628	ng	# 91
89) Benzo(k)fluoranthene	23.204	252	565401	7.330	ng	# 91
90) Benzo(a)pyrene	23.833	252	323461	4.534	ng	# 95
92) Benzo(g,h,i)perylene	27.239	276	254450	3.479	ng	# 98

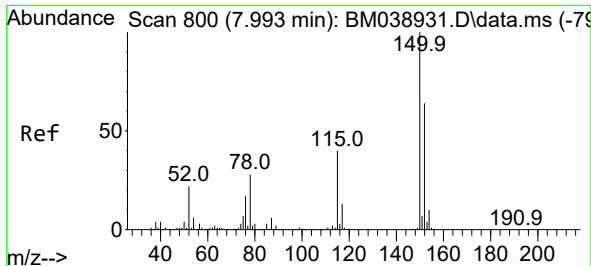
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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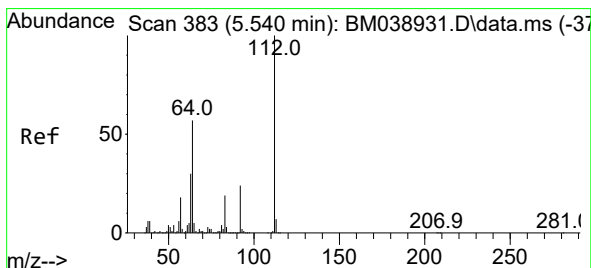
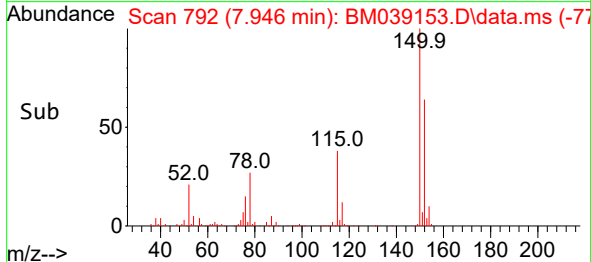
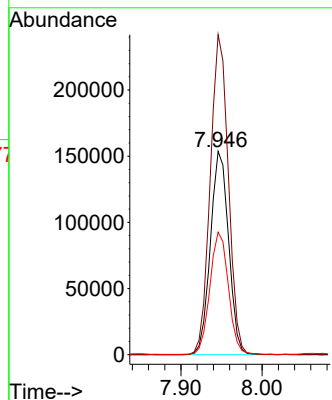
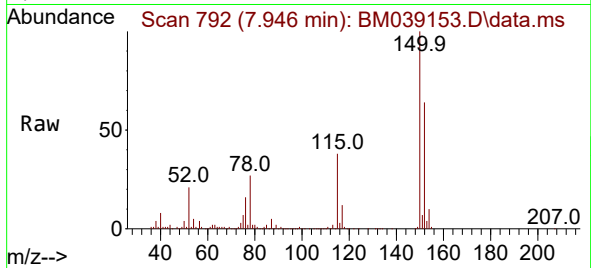




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

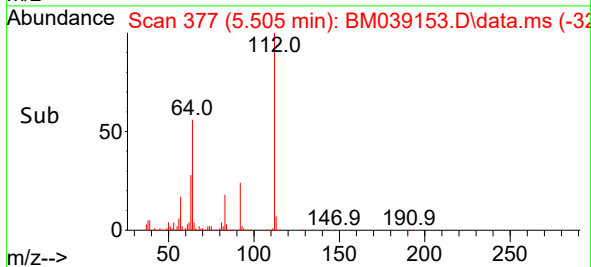
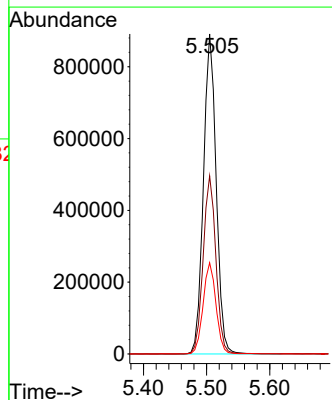
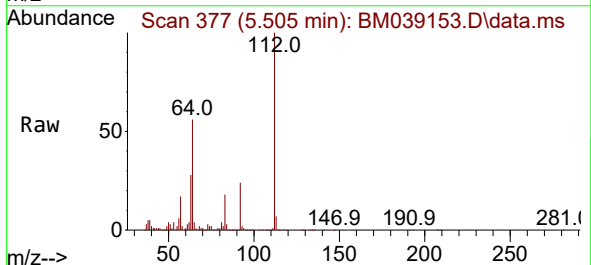
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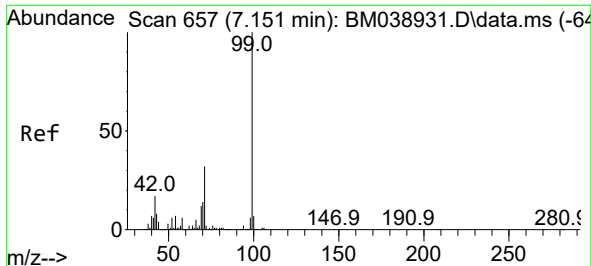
Tgt Ion:152 Resp: 239287
Ion Ratio Lower Upper
152 100
150 157.4 125.1 187.7
115 60.3 49.6 74.4



#5
2-Fluorophenol
Concen: 79.496 ng
RT: 5.505 min Scan# 377
Delta R.T. 0.000 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:112 Resp: 1252050
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 28.5 23.8 35.8

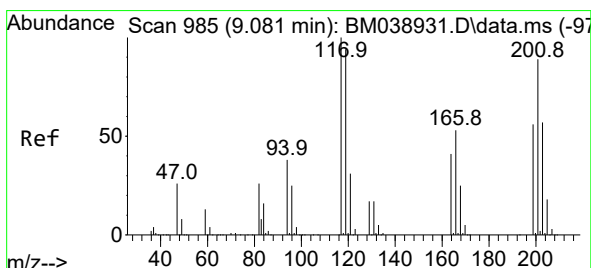
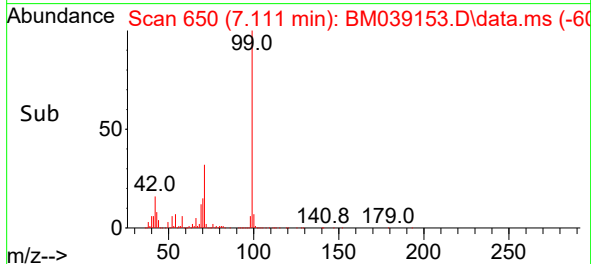
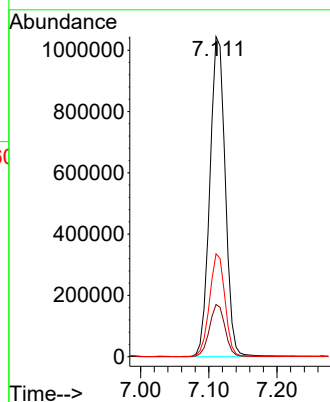
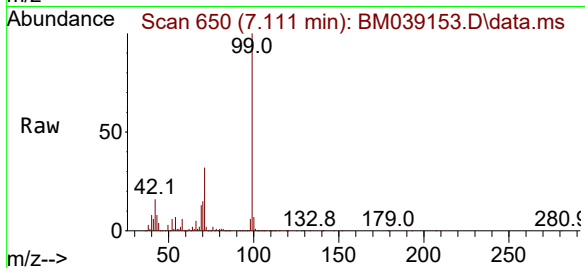




#7
Phenol-d6
Concen: 80.378 ng
RT: 7.111 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

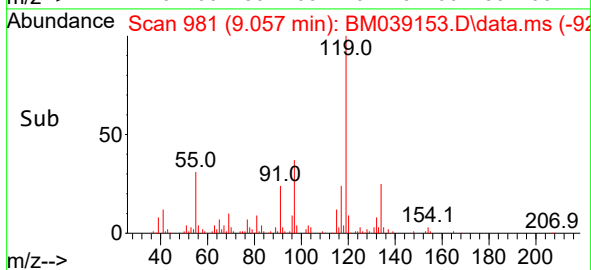
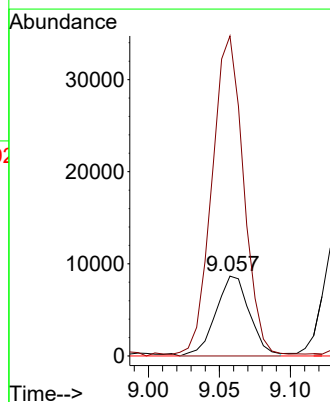
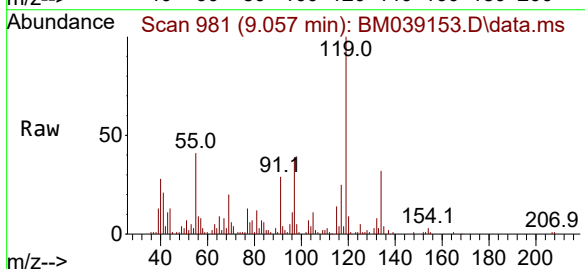
Instrument :
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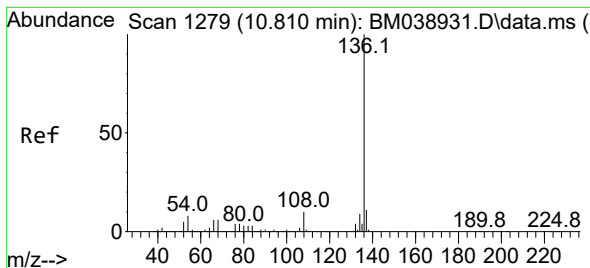
Tgt Ion: 99 Resp: 1644348
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 32.2 25.6 38.4



#18
Hexachloroethane
Concen: 2.144 ng
RT: 9.057 min Scan# 981
Delta R.T. 0.018 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion: 117 Resp: 14333
Ion Ratio Lower Upper
117 100
119 400.9 75.4 113.0#
201 0.0 71.3 106.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.757 min Scan# 1

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

Tgt Ion:136 Resp: 984287

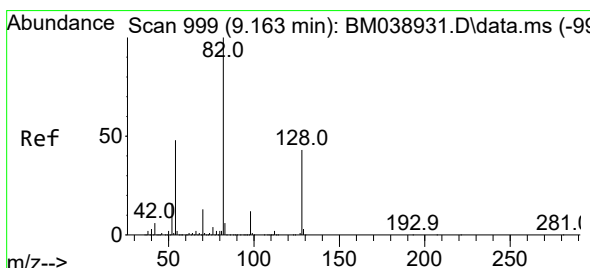
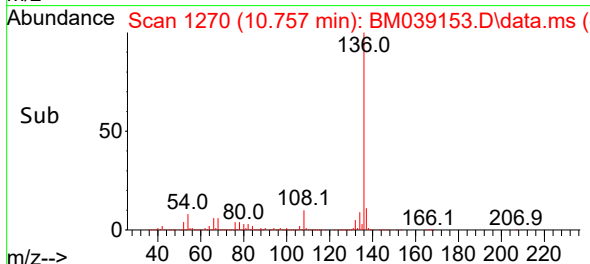
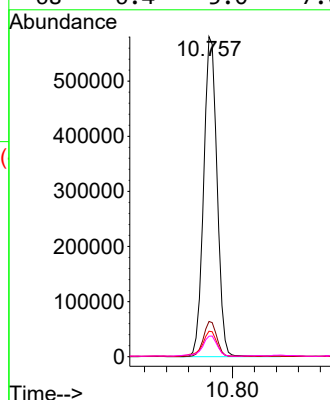
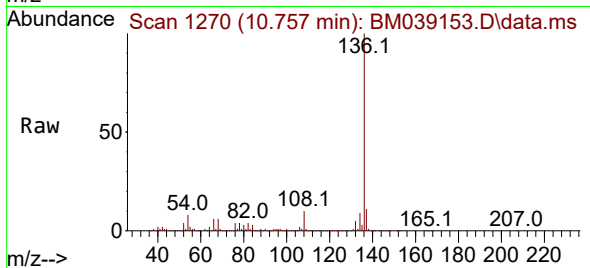
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.0 6.3 9.5

68 6.4 5.0 7.6



#23

Nitrobenzene-d5

Concen: 48.568 ng

RT: 9.116 min Scan# 991

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

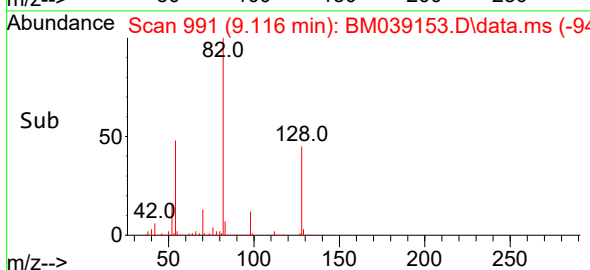
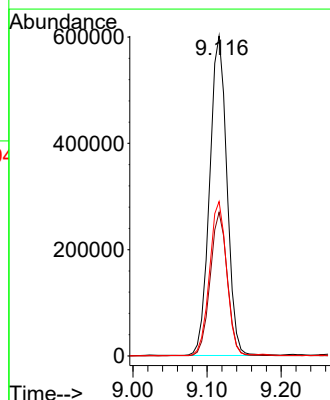
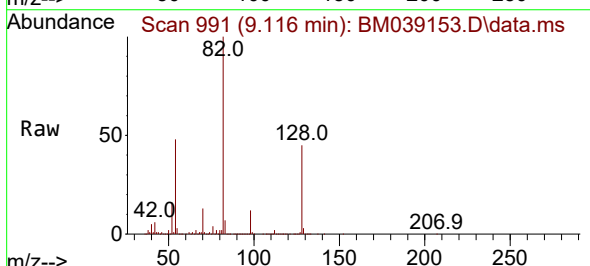
Tgt Ion: 82 Resp: 973204

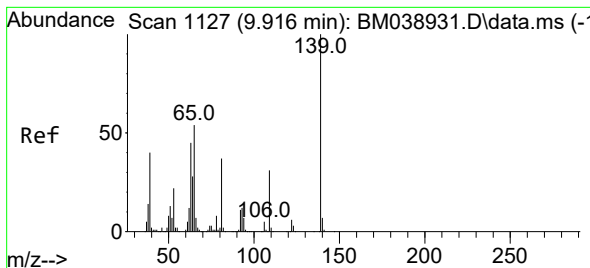
Ion Ratio Lower Upper

82 100

128 44.9 34.4 51.6

54 48.2 38.8 58.2

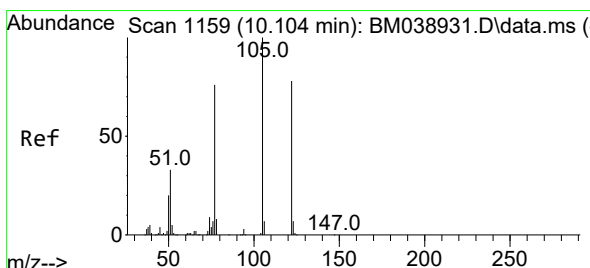
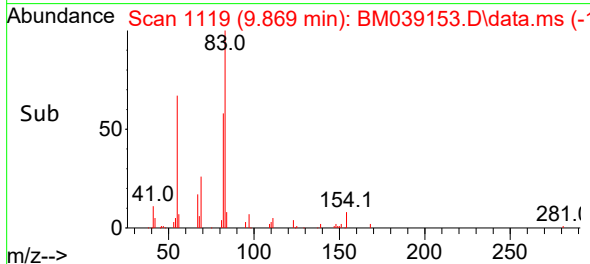
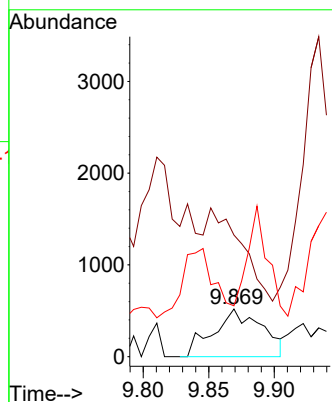
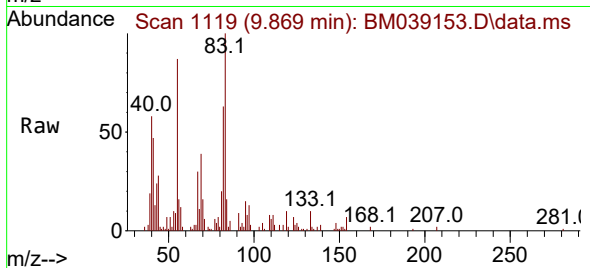




#26
2-Nitrophenol
Concen: 3.125 ng
RT: 9.869 min Scan# 1119
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

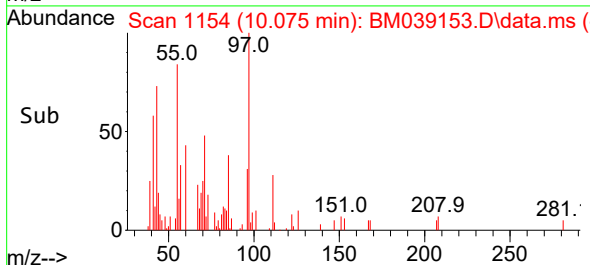
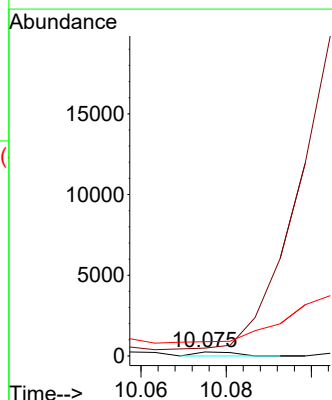
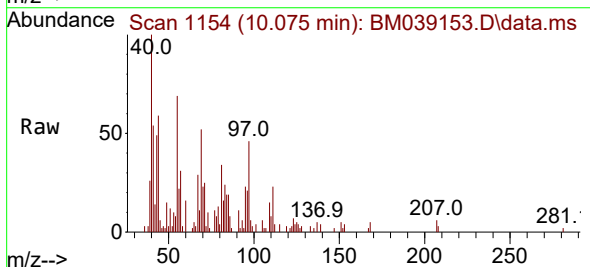
Instrument :
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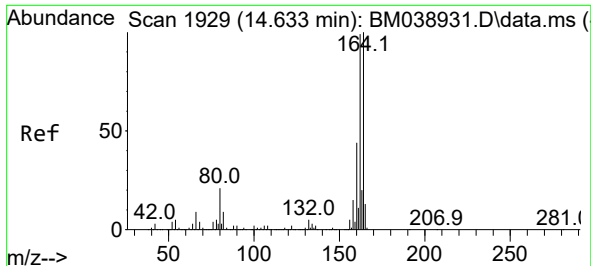
Tgt Ion:139 Resp: 1332
Ion Ratio Lower Upper
139 100
109 255.0 24.5 36.7#
65 106.5 43.0 64.6#



#32
Benzoic acid
Concen: 5.745 ng
RT: 10.075 min Scan# 1154
Delta R.T. -0.017 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:122 Resp: 162
Ion Ratio Lower Upper
122 100
105 196.0 104.2 144.2#
77 357.1 75.1 115.1#

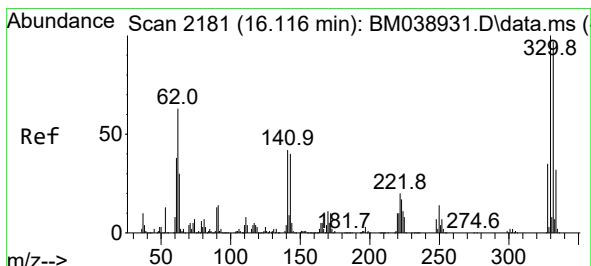
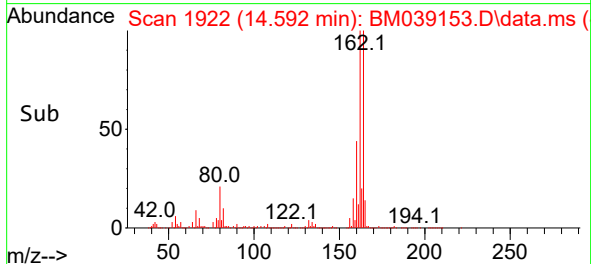
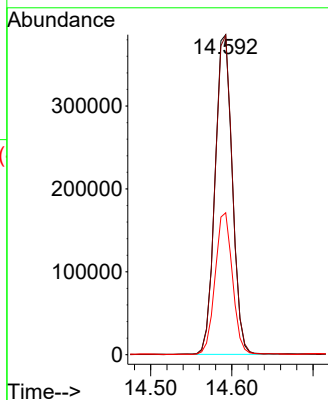
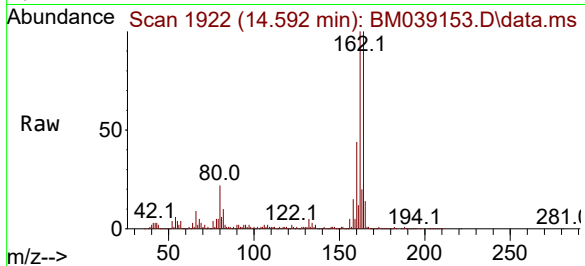




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

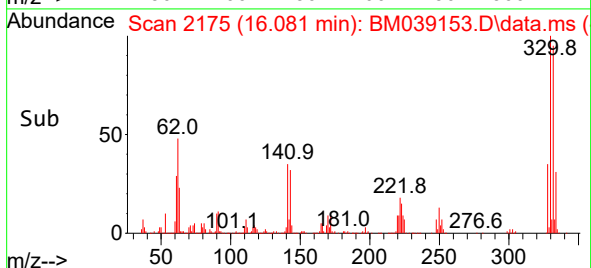
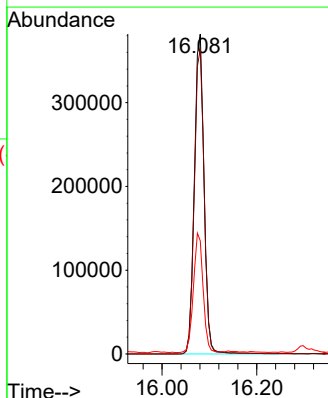
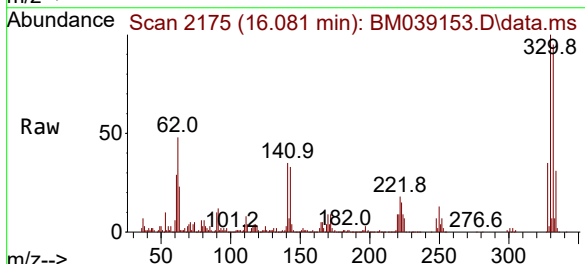
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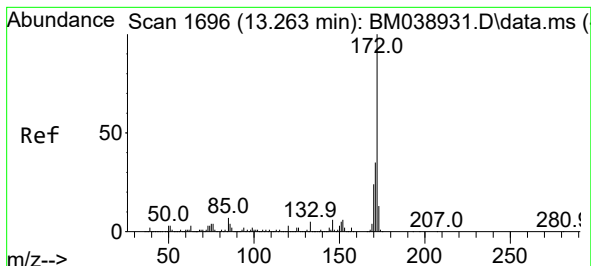
Tgt Ion:164 Resp: 571371
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.4 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 82.162 ng
RT: 16.081 min Scan# 2175
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:330 Resp: 543081
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.0 32.2 48.4

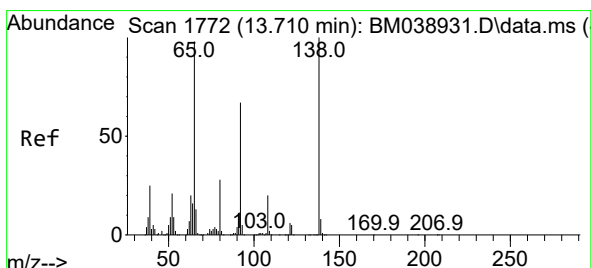
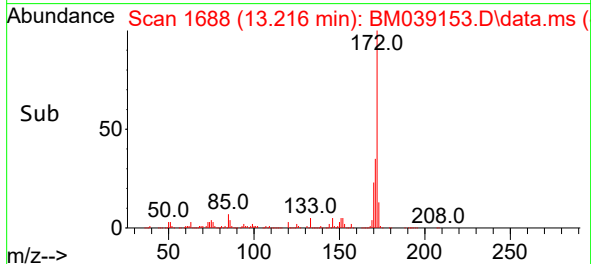
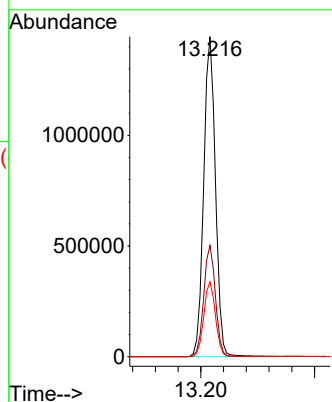
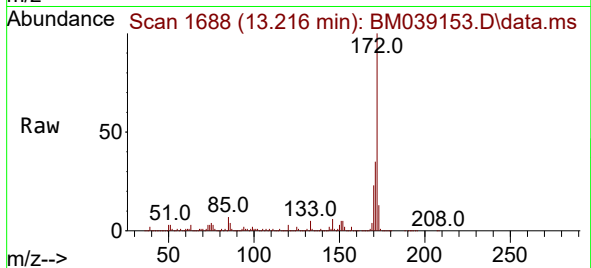




#45
2-Fluorobiphenyl
Concen: 47.246 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

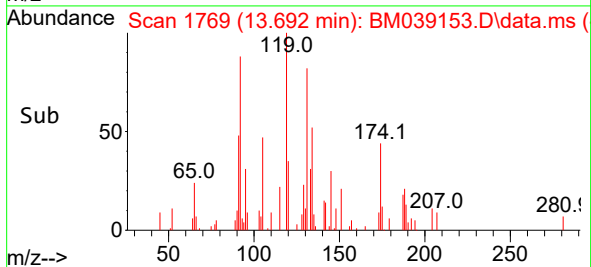
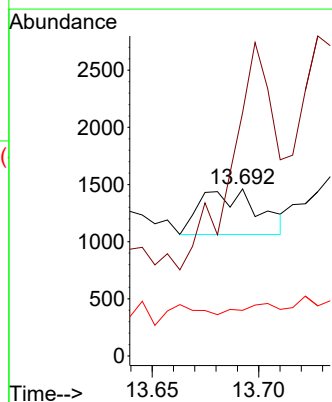
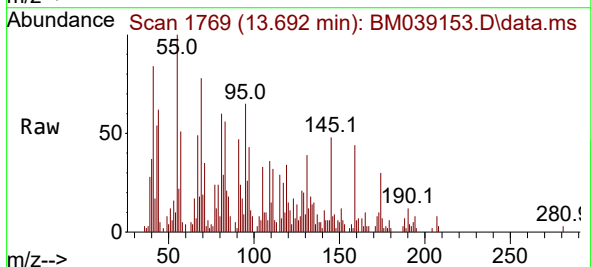
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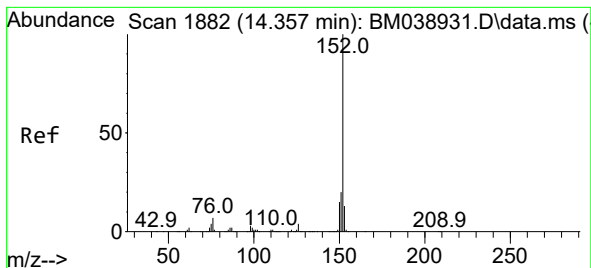
Tgt Ion:172 Resp: 2073669
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.4 19.1 28.7



#48
2-Nitroaniline
Concen: 2.276 ng
RT: 13.692 min Scan# 1769
Delta R.T. 0.012 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion: 65 Resp: 740
Ion Ratio Lower Upper
65 100
92 145.8 54.9 82.3#
138 27.3 81.6 122.4#





#49

Acenaphthylene

Concen: 2.340 ng

RT: 14.316 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

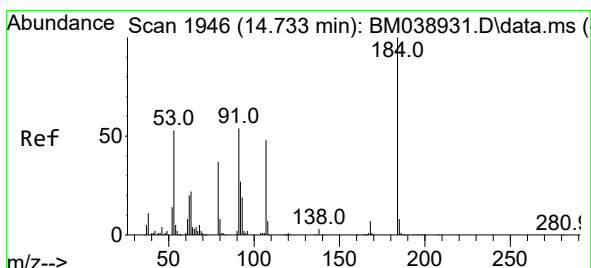
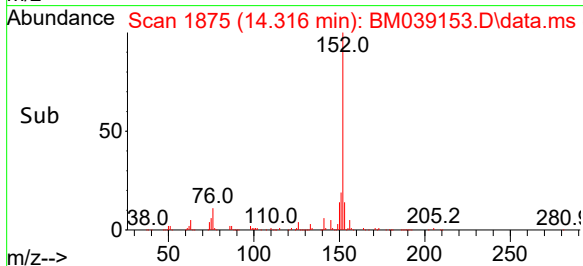
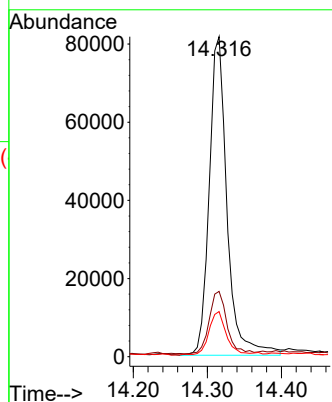
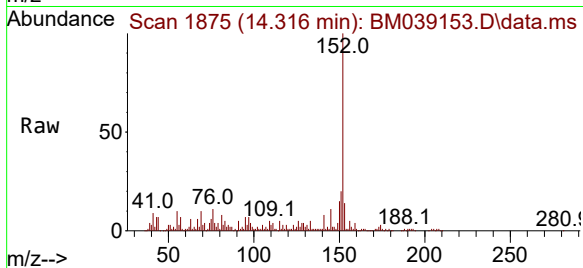
Tgt Ion:152 Resp: 136062

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.8

153 14.1 10.4 15.6



#54

2,4-Dinitrophenol

Concen: 5.212 ng

RT: 14.698 min Scan# 1940

Delta R.T. -0.017 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

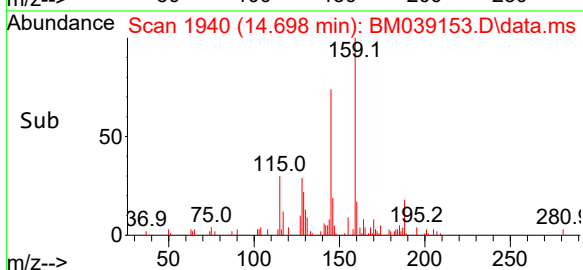
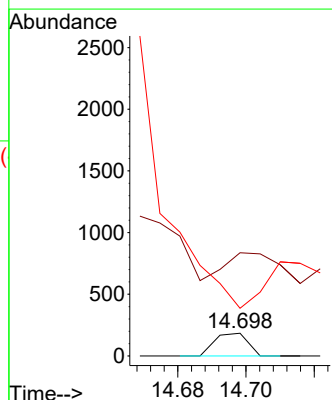
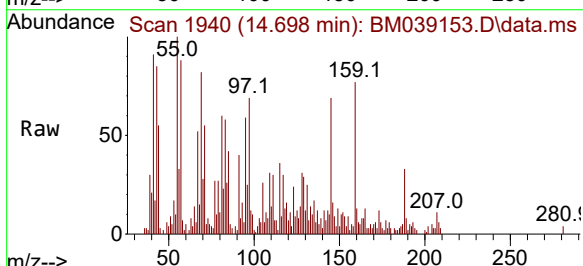
Tgt Ion:184 Resp: 124

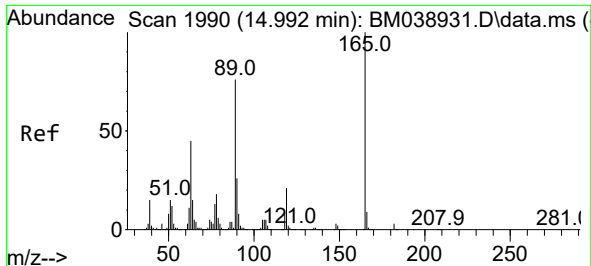
Ion Ratio Lower Upper

184 100

63 454.3 60.6 90.8#

154 209.8 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.106 ng

RT: 14.957 min Scan# 1990

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

Tgt Ion:165 Resp: 466

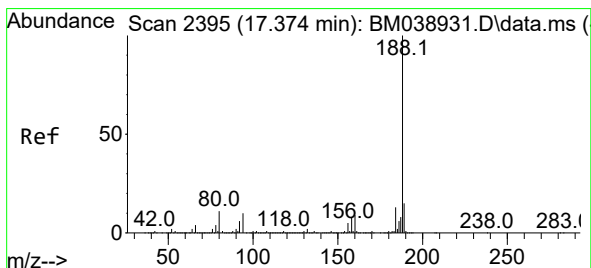
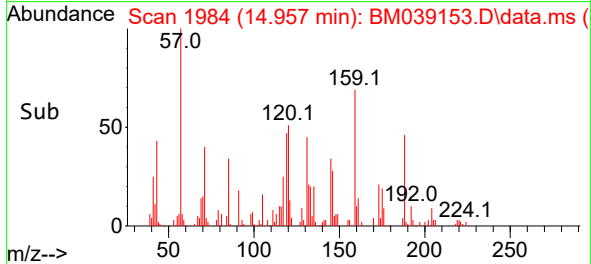
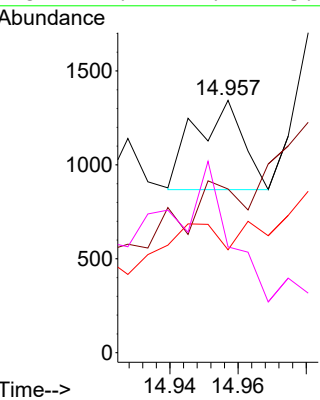
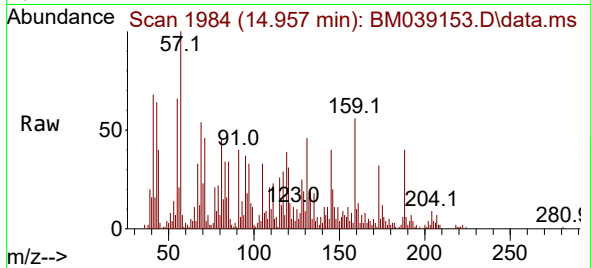
Ion Ratio Lower Upper

165 100

63 64.9 35.9 53.9#

89 40.8 61.0 91.6#

182 41.9 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.333 min Scan# 2388

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

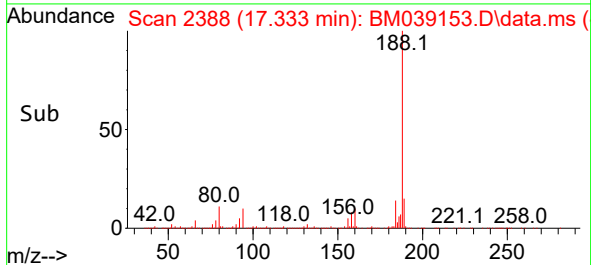
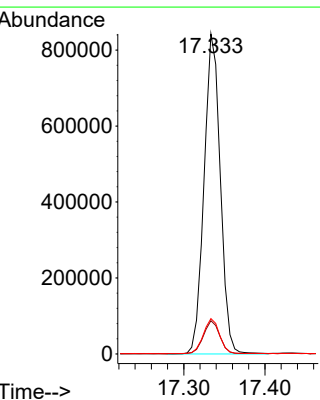
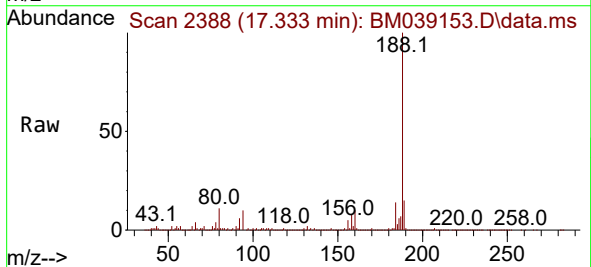
Tgt Ion:188 Resp: 1171894

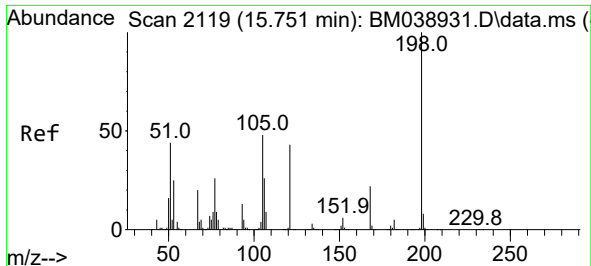
Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.1 8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 5.114 ng

RT: 15.675 min Scan# 2119

Delta R.T. -0.053 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

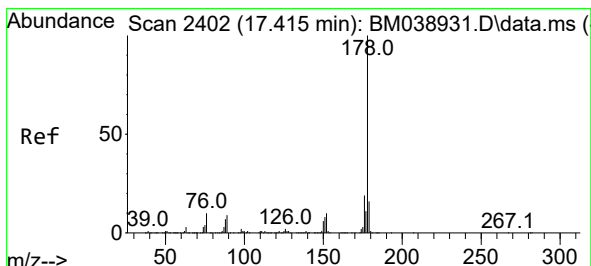
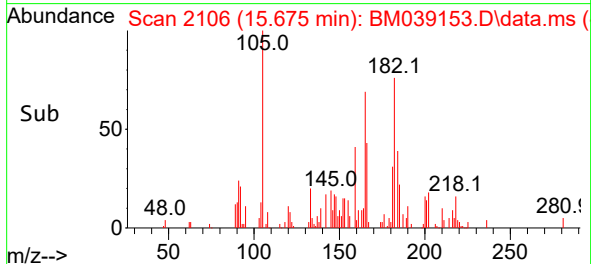
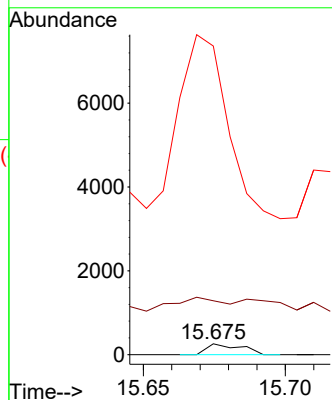
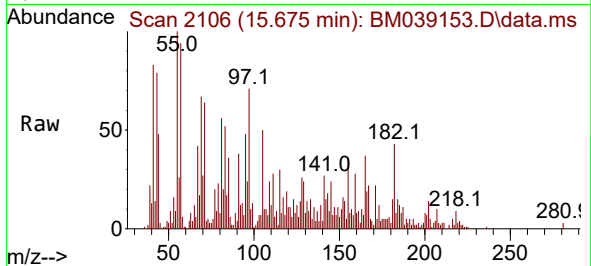
Tgt Ion:198 Resp: 218

Ion Ratio Lower Upper

198 100

51 498.1 30.1 70.1#

105 2854.7 29.3 69.3#



#71

Phenanthrene

Concen: 2.984 ng

RT: 17.380 min Scan# 2396

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

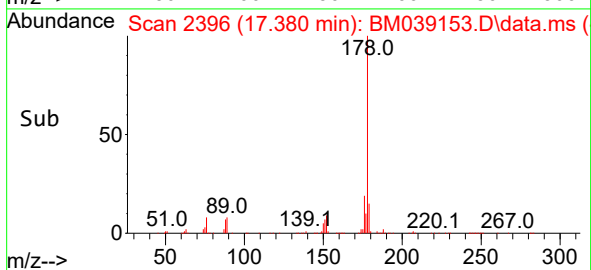
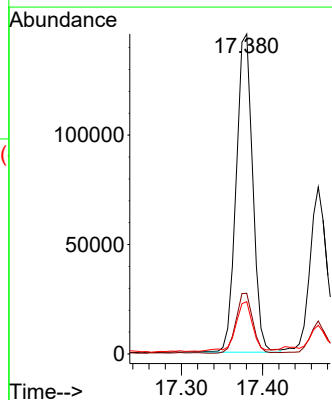
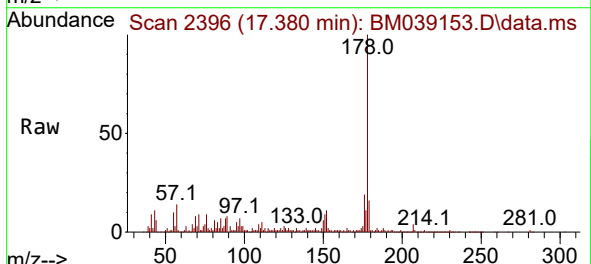
Tgt Ion:178 Resp: 205215

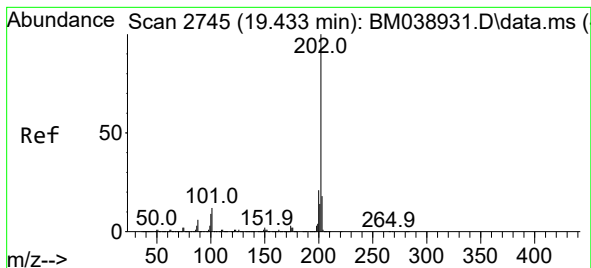
Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

179 16.4 12.5 18.7





#75

Fluoranthene

Concen: 5.728 ng

RT: 19.392 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

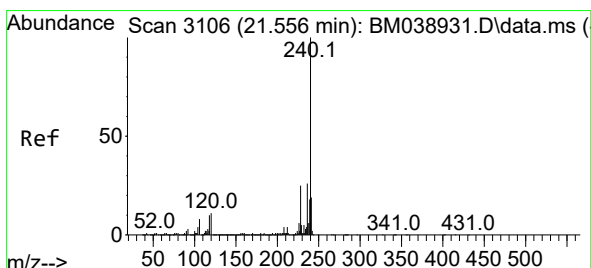
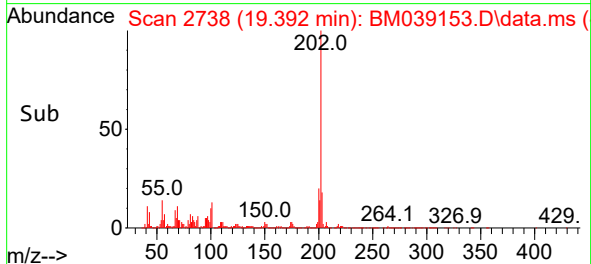
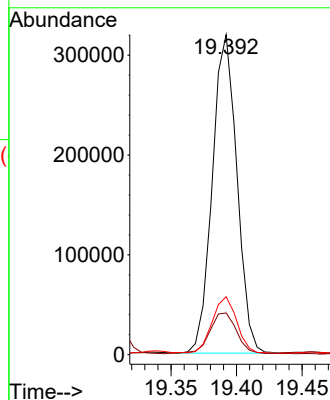
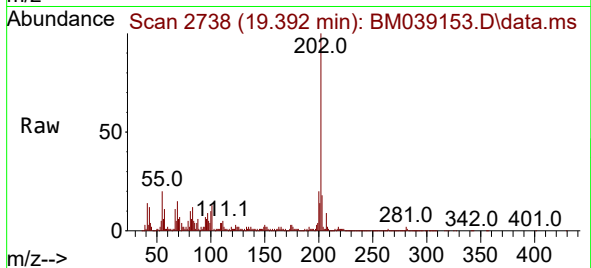
Tgt Ion:202 Resp: 415947

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.7

203 18.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3099

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

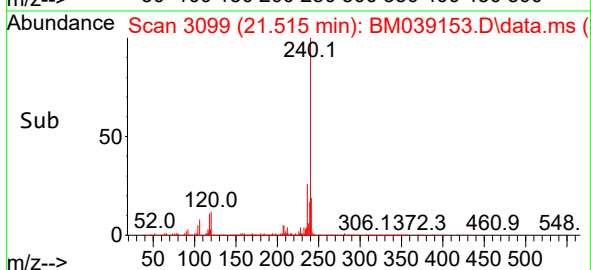
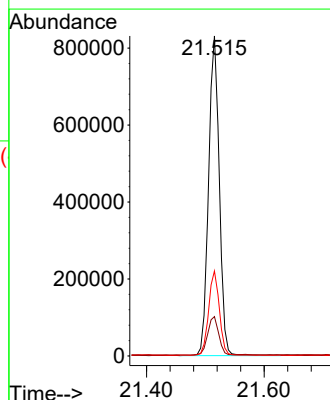
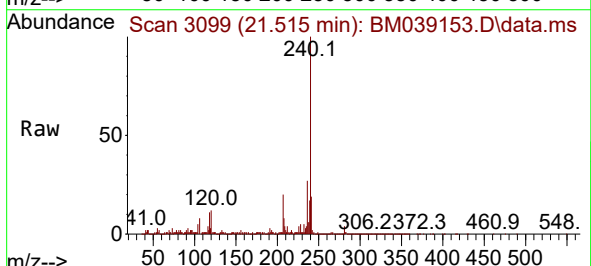
Tgt Ion:240 Resp: 1046734

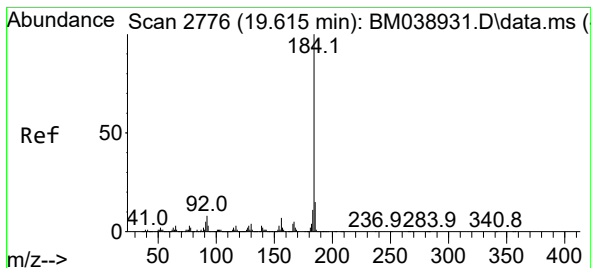
Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

236 26.6 20.8 31.2





#77

Benzidine

Concen: 4.894 ng

RT: 19.569 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

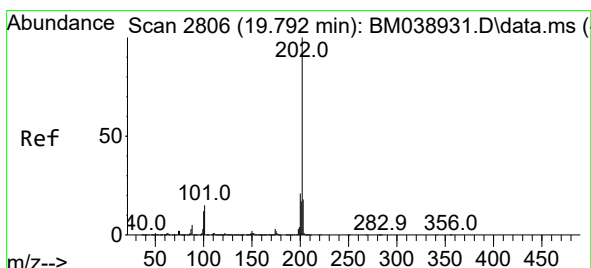
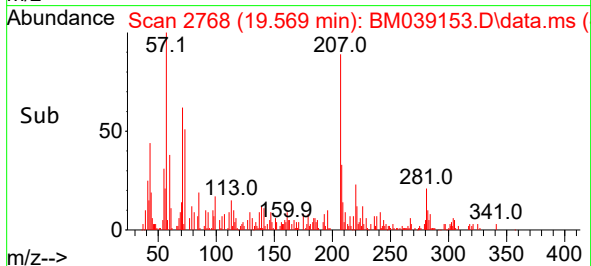
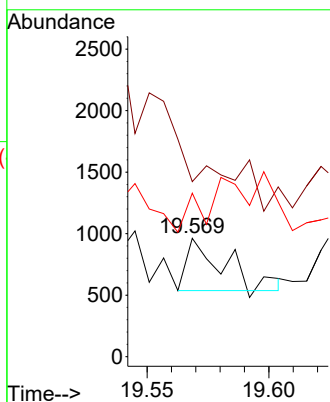
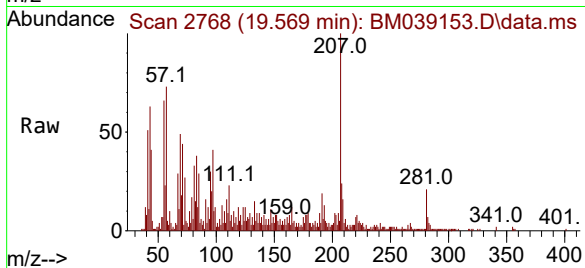
Tgt Ion:184 Resp: 462

Ion Ratio Lower Upper

184 100

185 147.8 12.2 18.4#

183 138.0 8.8 13.2#



#78

Pyrene

Concen: 6.064 ng

RT: 19.757 min Scan# 2800

Delta R.T. -0.005 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

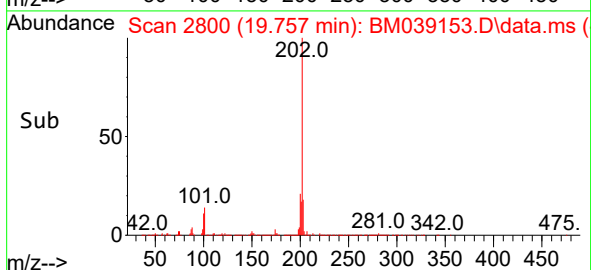
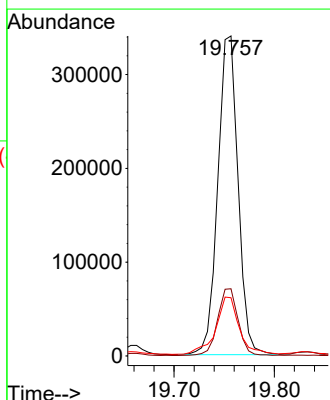
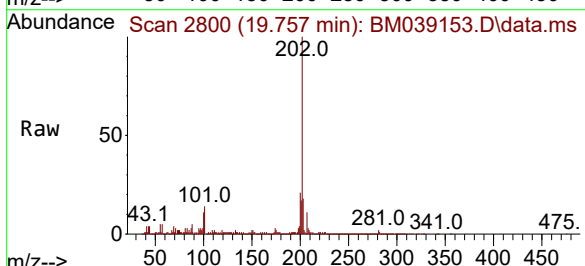
Tgt Ion:202 Resp: 476729

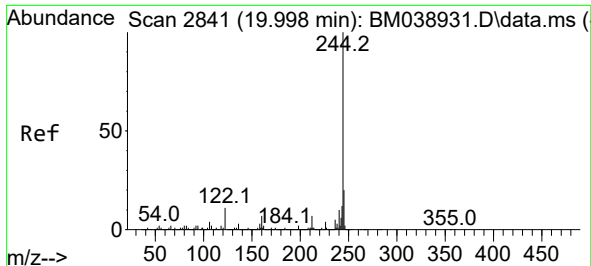
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.2 14.1 21.1

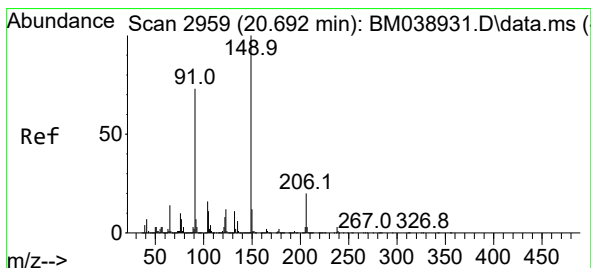
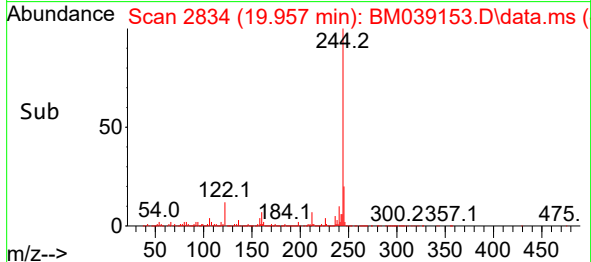
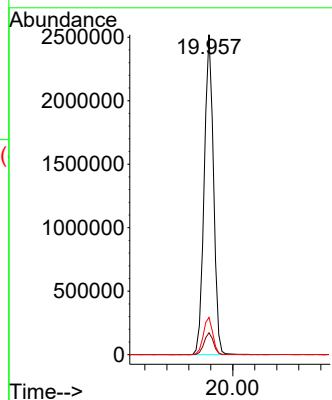
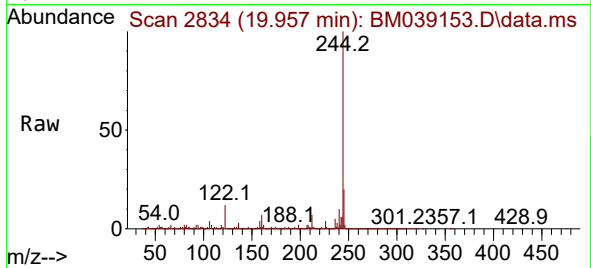




#79
 Terphenyl-d14
 Concen: 51.673 ng
 RT: 19.957 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM039153.D
 Acq: 24 Mar 2023 22:14

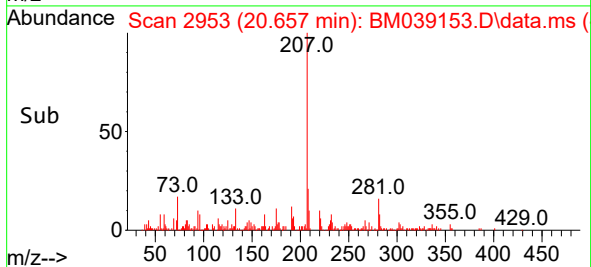
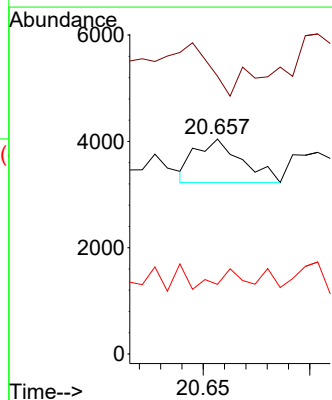
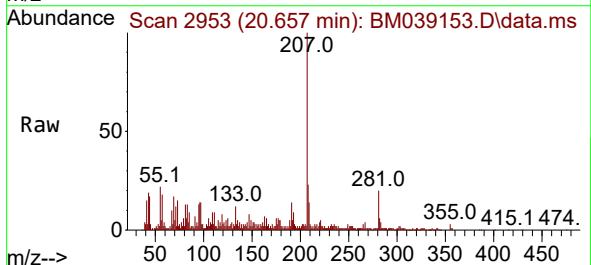
Instrument :
 BNA_M
 ClientSampleId :
 BU-03-032323

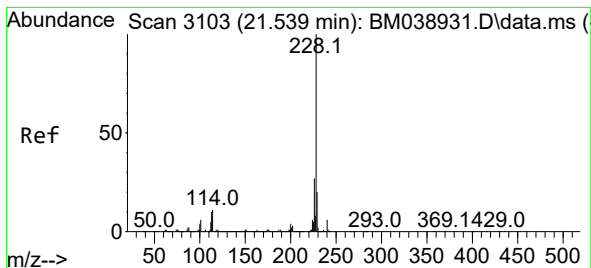
Tgt Ion:244 Resp: 2958295
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.7 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.351 ng
 RT: 20.657 min Scan# 2953
 Delta R.T. 0.000 min
 Lab File: BM039153.D
 Acq: 24 Mar 2023 22:14

Tgt Ion:149 Resp: 1243
 Ion Ratio Lower Upper
 149 100
 91 129.2 58.4 87.6#
 206 32.4 16.1 24.1#





#81

Benzo(a)anthracene

Concen: 3.466 ng

RT: 21.498 min Scan# 3105

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

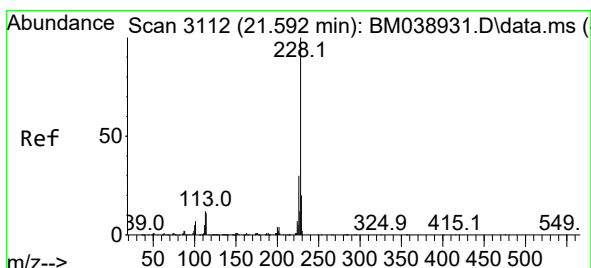
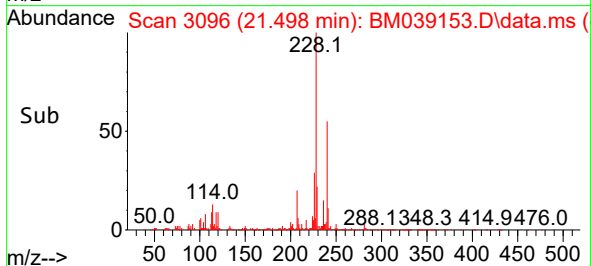
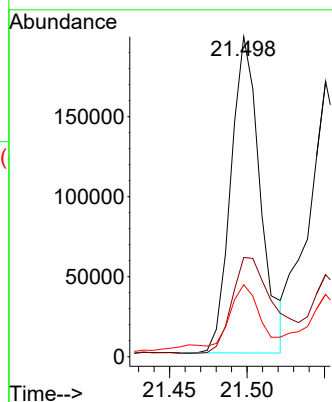
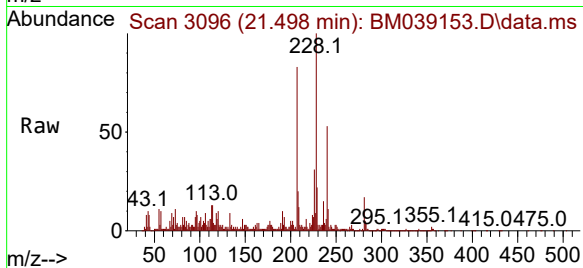
Tgt Ion:228 Resp: 261289

Ion Ratio Lower Upper

228 100

226 31.0 21.4 32.2

229 22.5 15.7 23.5



#83

Chrysene

Concen: 3.461 ng

RT: 21.551 min Scan# 3105

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

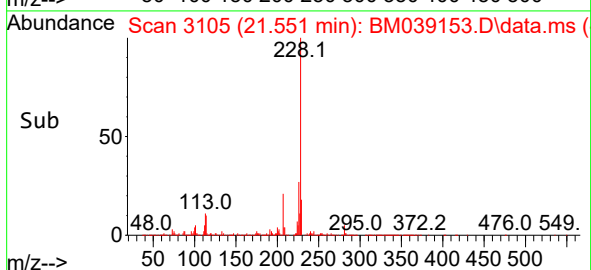
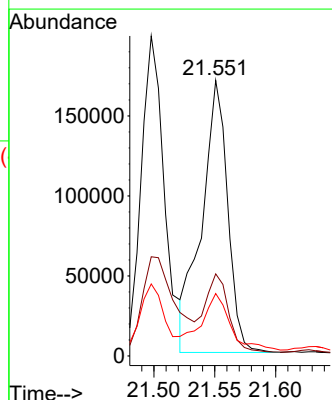
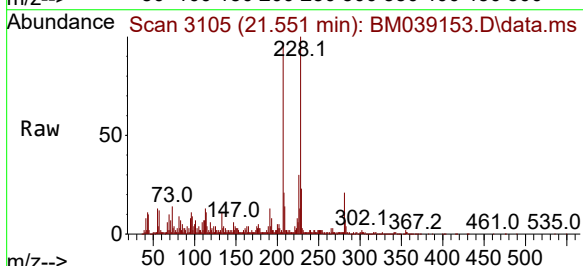
Tgt Ion:228 Resp: 253732

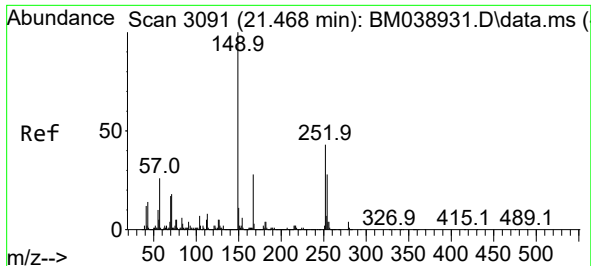
Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 22.7 16.0 24.0

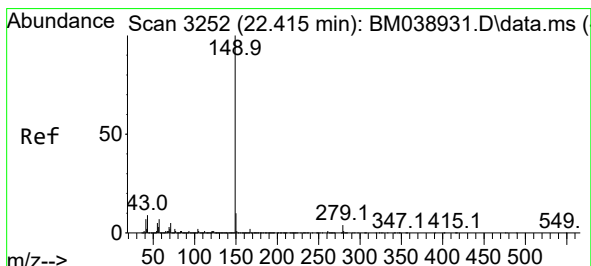
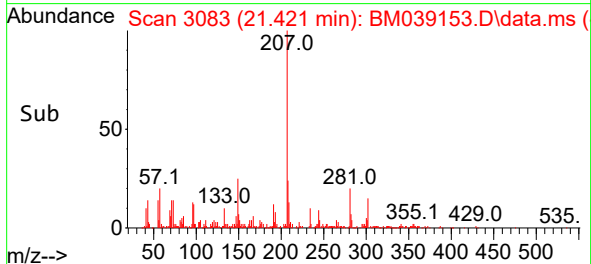
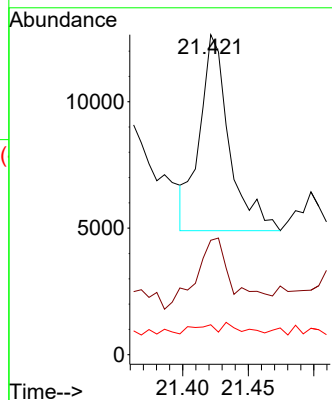
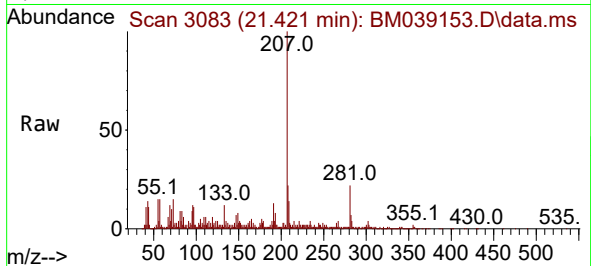




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.724 ng
RT: 21.421 min Scan# 3091
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

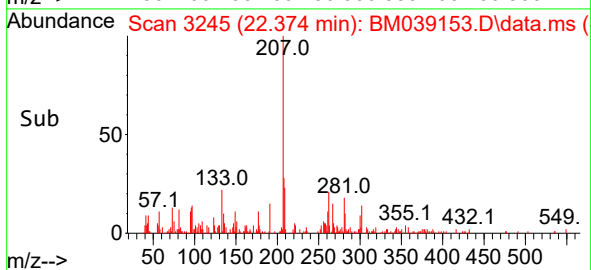
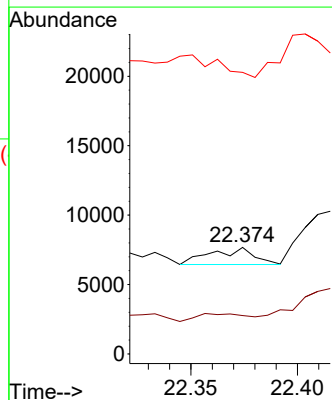
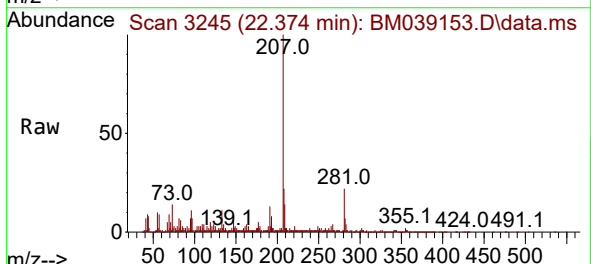
Instrument :
BNA_M
ClientSampleId :
BU-03-032323

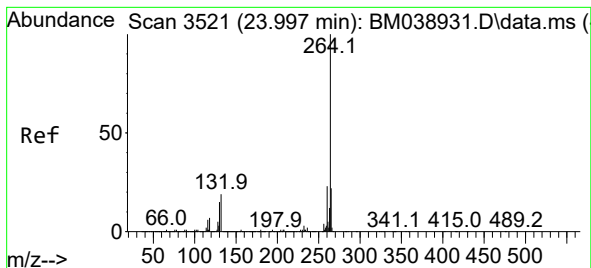
Tgt Ion:149 Resp: 12192
Ion Ratio Lower Upper
149 100
167 35.8 22.3 33.5#
279 9.4 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.817 ng
RT: 22.374 min Scan# 3245
Delta R.T. 0.006 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:149 Resp: 1749
Ion Ratio Lower Upper
149 100
167 52.9 1.2 1.8#
43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.945 min Scan# 3

Delta R.T. -0.011 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

Instrument :

BNA_M

ClientSampleId :

BU-03-032323

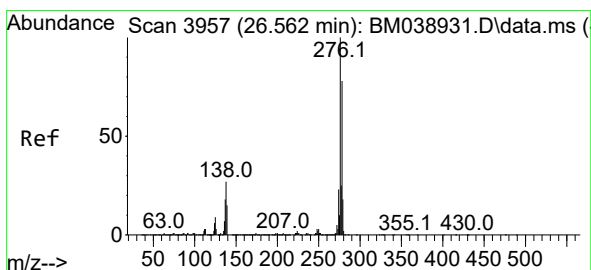
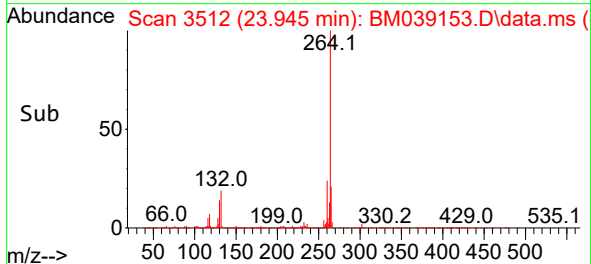
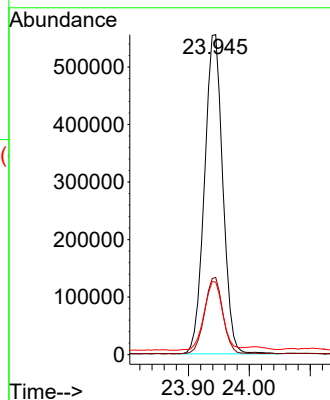
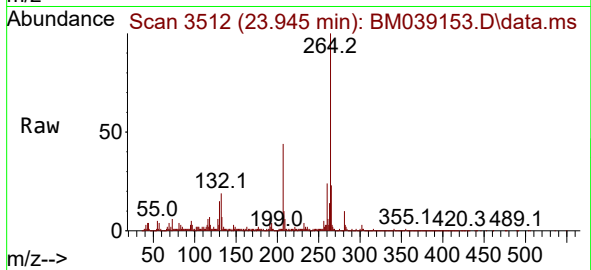
Tgt Ion:264 Resp: 1160163

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.7 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.708 ng

RT: 26.456 min Scan# 3939

Delta R.T. -0.035 min

Lab File: BM039153.D

Acq: 24 Mar 2023 22:14

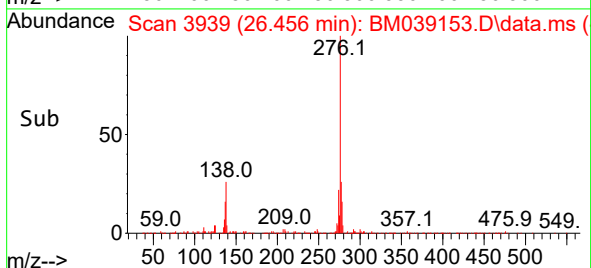
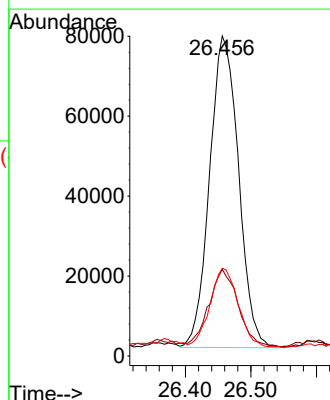
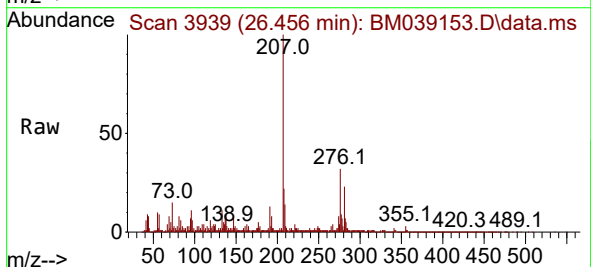
Tgt Ion:276 Resp: 239048

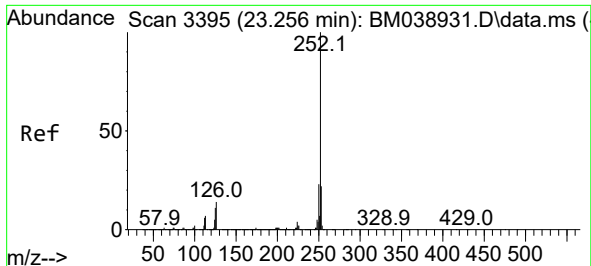
Ion Ratio Lower Upper

276 100

138 25.2 22.1 33.1

277 25.3 20.1 30.1

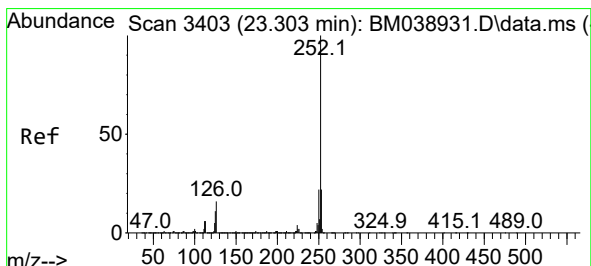
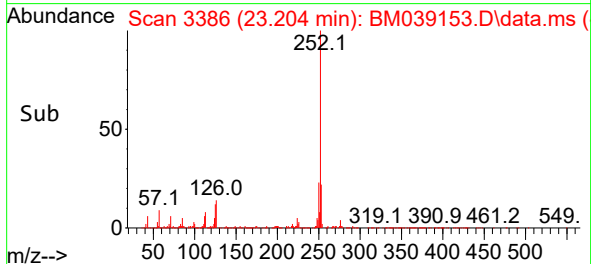
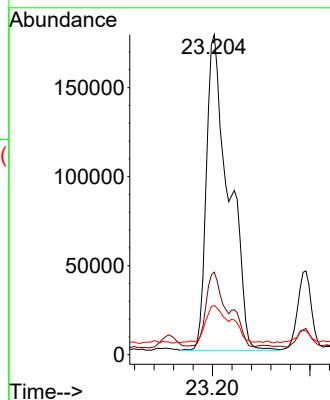
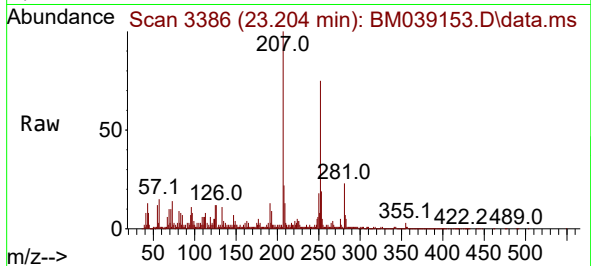




#88
Benzo(b)fluoranthene
Concen: 7.628 ng
RT: 23.204 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

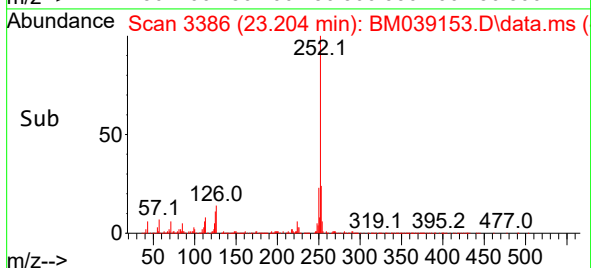
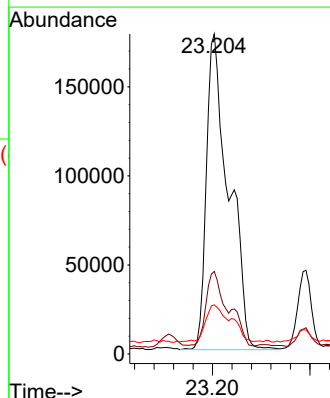
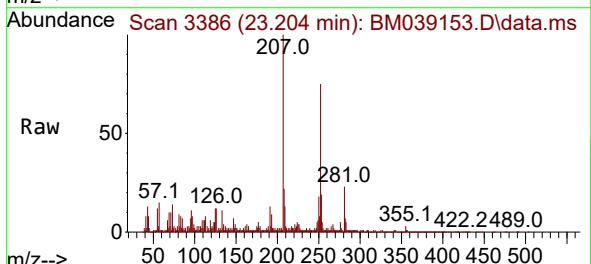
Instrument :
BNA_M
ClientSampleId :
BU-03-032323

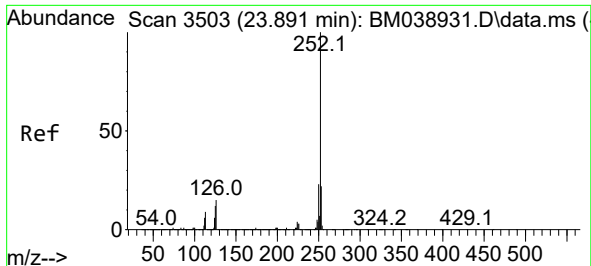
Tgt Ion:252 Resp: 565401
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 15.4 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 7.330 ng
RT: 23.204 min Scan# 3386
Delta R.T. -0.064 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:252 Resp: 565401
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 15.4 8.9 13.3#

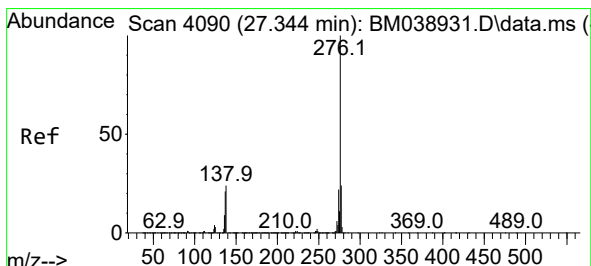
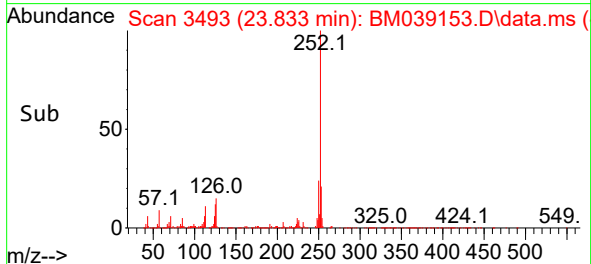
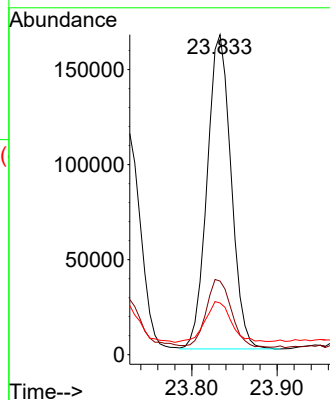
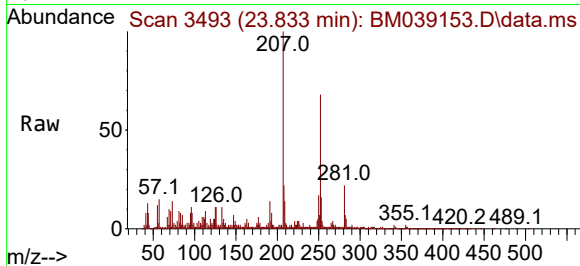




#90
Benzo(a)pyrene
Concen: 4.534 ng
RT: 23.833 min Scan# 34
Delta R.T. -0.017 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Instrument :
BNA_M
ClientSampleId :
BU-03-032323

Tgt Ion:252 Resp: 323461
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 16.1 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 3.479 ng
RT: 27.239 min Scan# 4072
Delta R.T. -0.035 min
Lab File: BM039153.D
Acq: 24 Mar 2023 22:14

Tgt Ion:276 Resp: 254450
Ion Ratio Lower Upper
276 100
277 25.4 19.3 28.9
138 24.8 19.0 28.6

