

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039193.D
 Acq On : 28 Mar 2023 23:26
 Operator : CG/JU
 Sample : 02107-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC01DL

Quant Time: Mar 29 01:33:51 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 29 01:28:31 2023
 Response via : Initial Calibration

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

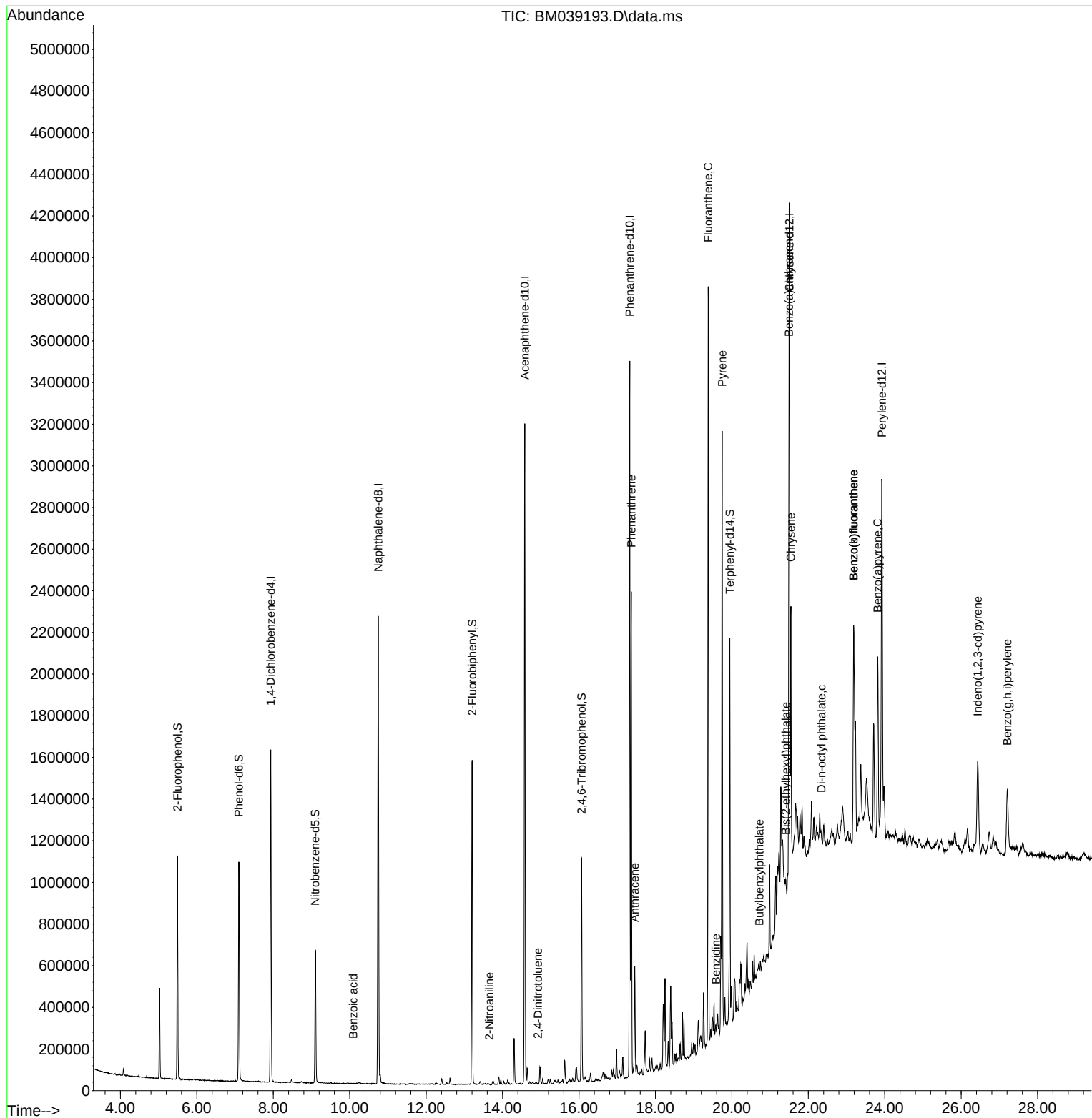
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	417114	20.000	ng	0.00
21) Naphthalene-d8	10.746	136	1805441	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	1055535	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1984803	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1231153	20.000	ng	0.00
86) Perylene-d12	23.927	264	1265499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	462891	16.860	ng	0.00
7) Phenol-d6	7.099	99	626359	17.564	ng	-0.01
23) Nitrobenzene-d5	9.099	82	379390	10.322	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	181971	14.902	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	815325	10.055	ng	0.00
79) Terphenyl-d14	19.945	244	834373	12.391	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.093	122	112	5.737	ng	# 1
48) 2-Nitroaniline	13.651	65	240	2.226	ng	# 6
57) 2,4-Dinitrotoluene	14.928	165	581	2.095	ng	# 74
71) Phenanthrene	17.369	178	1323497	11.362	ng	99
72) Anthracene	17.457	178	310201	2.670	ng	99
75) Fluoranthene	19.380	202	2124600	17.274	ng	99
77) Benzidine	19.586	184	113	4.880	ng	# 1
78) Pyrene	19.745	202	1679374	18.161	ng	100
80) Butylbenzylphthalate	20.721	149	878	3.337	ng	97
81) Benzo(a)anthracene	21.492	228	860375	9.704	ng	98
83) Chrysene	21.545	228	722122	8.374	ng	98
84) Bis(2-ethylhexyl)phtha...	21.410	149	22849	2.866	ng	95
85) Di-n-octyl phthalate	22.345	149	844	3.805	ng	# 67
87) Indeno(1,2,3-cd)pyrene	26.433	276	448966	4.662	ng	96
88) Benzo(b)fluoranthene	23.186	252	936539	11.584	ng	97
89) Benzo(k)fluoranthene	23.186	252	936539	11.131	ng	97
90) Benzo(a)pyrene	23.815	252	627490	8.064	ng	97
92) Benzo(g,h,i)perylene	27.209	276	411318	5.155	ng	98

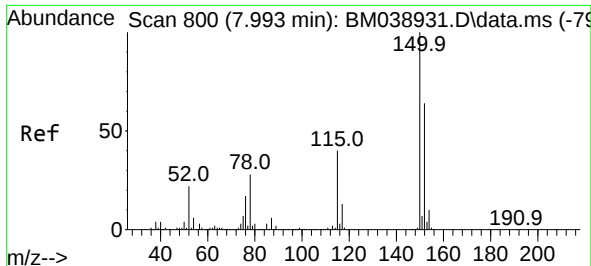
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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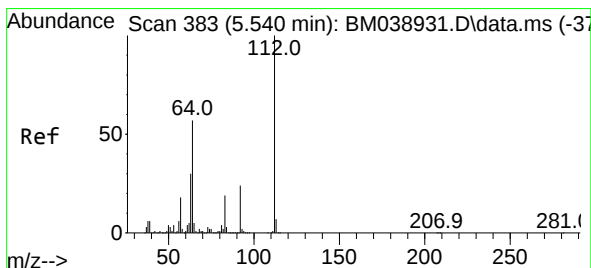
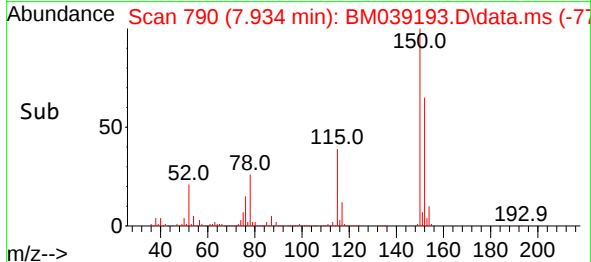
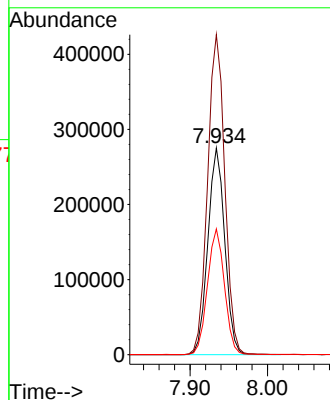
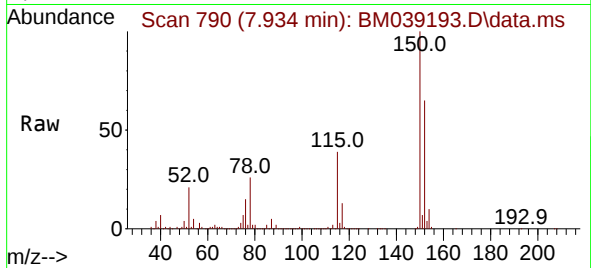




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

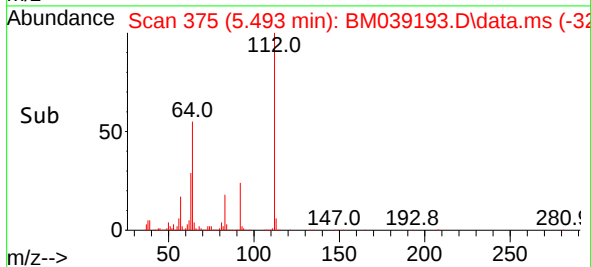
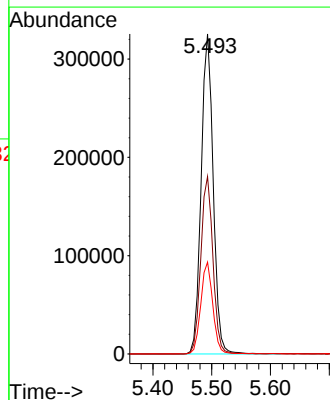
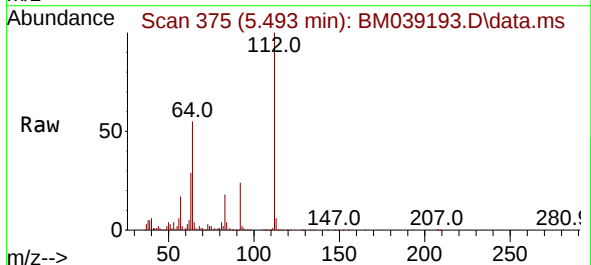
Instrument :
BNA_M
ClientSampleId :
WC01DL

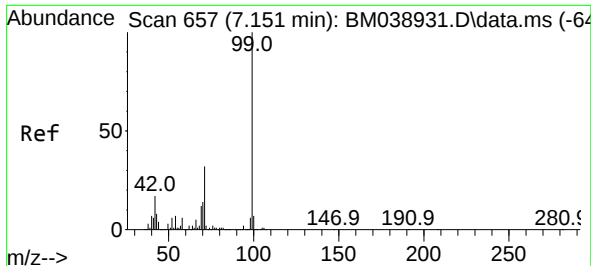
Tgt Ion:152 Resp: 417114
Ion Ratio Lower Upper
152 100
150 154.8 125.1 187.7
115 60.8 49.6 74.4



#5
2-Fluorophenol
Concen: 16.860 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:112 Resp: 462891
Ion Ratio Lower Upper
112 100
64 55.5 45.9 68.9
63 28.7 23.8 35.8

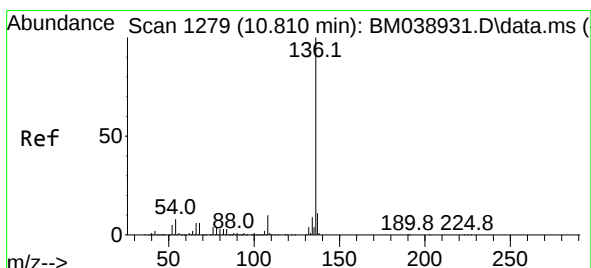
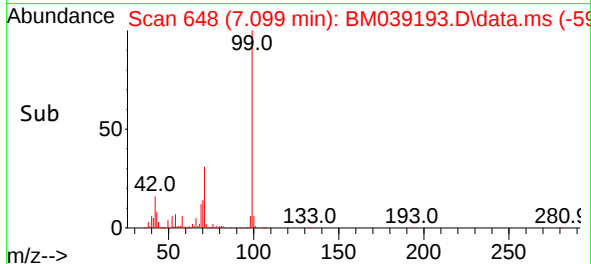
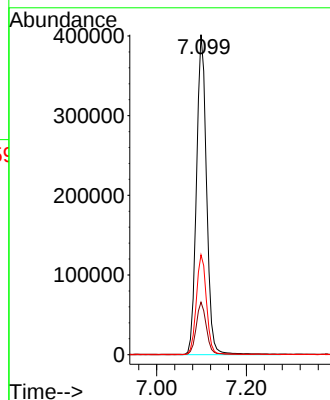
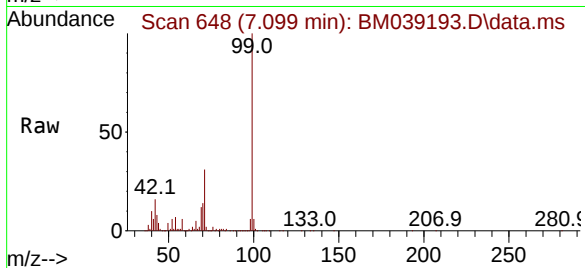




#7
Phenol-d6
Concen: 17.564 ng
RT: 7.099 min Scan# 64
Delta R.T. -0.011 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

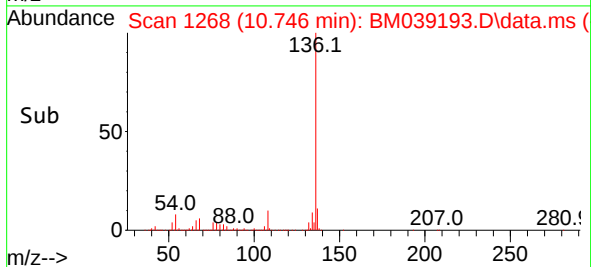
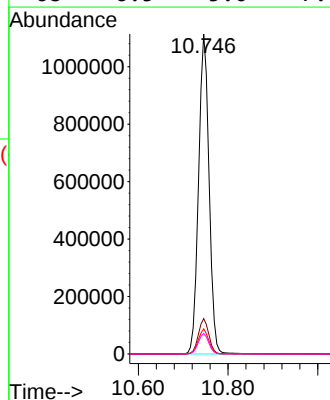
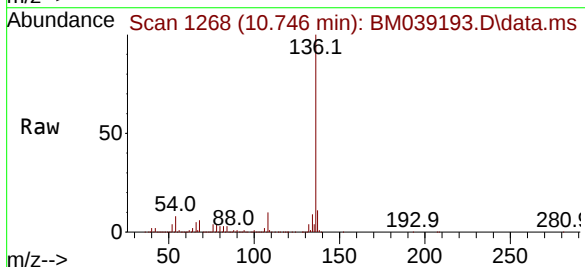
Instrument :
BNA_M
ClientSampleId :
WC01DL

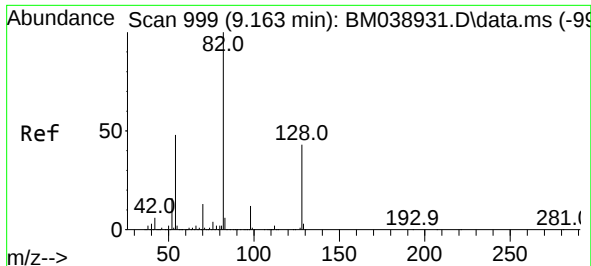
Tgt Ion: 99 Resp: 626359
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.746 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion: 136 Resp: 1805441
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.9 6.3 9.5
68 6.5 5.0 7.6

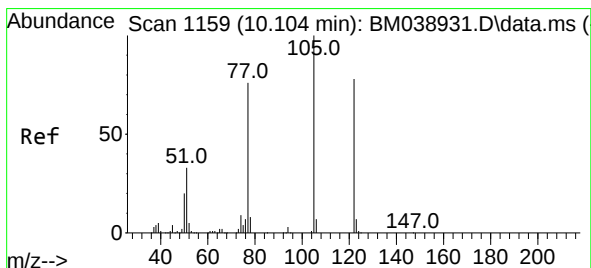
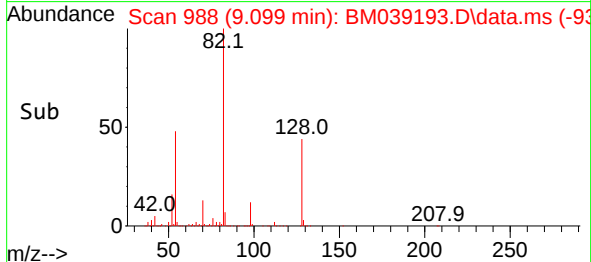
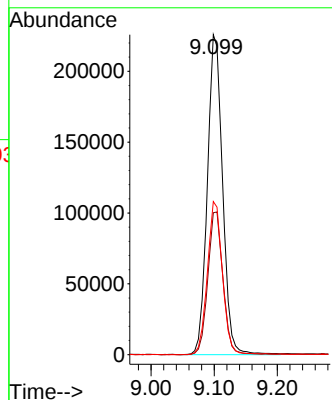
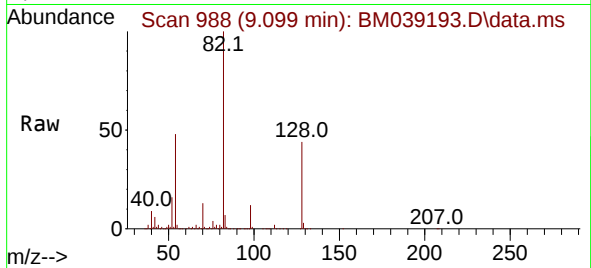




#23
Nitrobenzene-d5
Concen: 10.322 ng
RT: 9.099 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

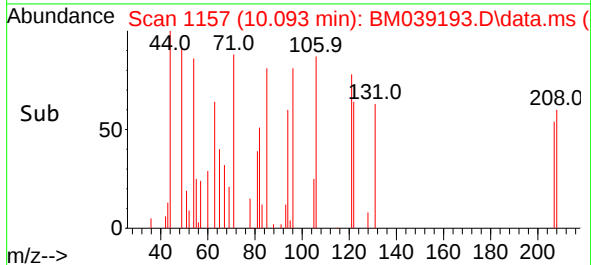
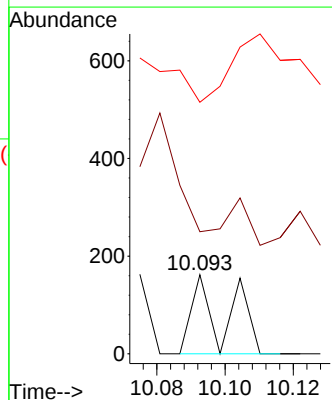
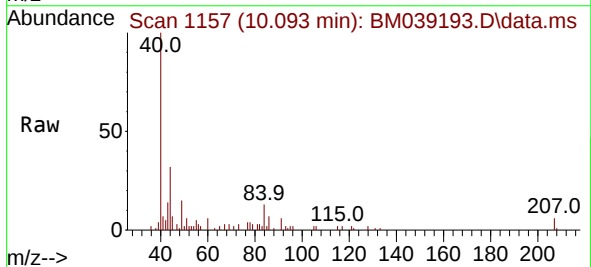
Instrument :
BNA_M
ClientSampleId :
WC01DL

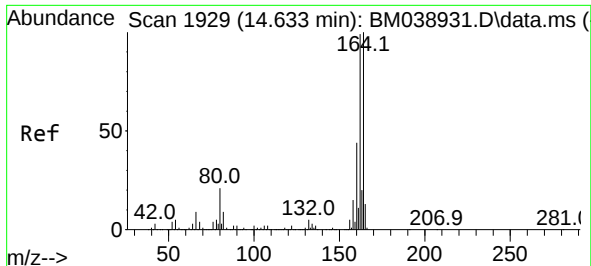
Tgt Ion: 82 Resp: 379390
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.8 38.8 58.2



#32
Benzoic acid
Concen: 5.737 ng
RT: 10.093 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion: 122 Resp: 112
Ion Ratio Lower Upper
122 100
105 154.3 104.2 144.2#
77 317.9 75.1 115.1#

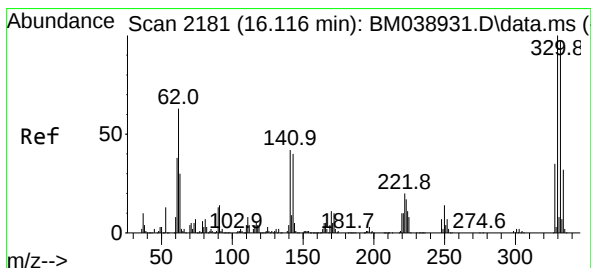
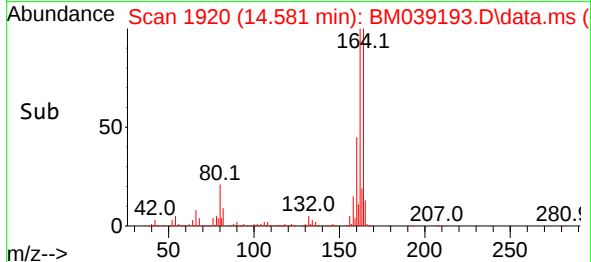
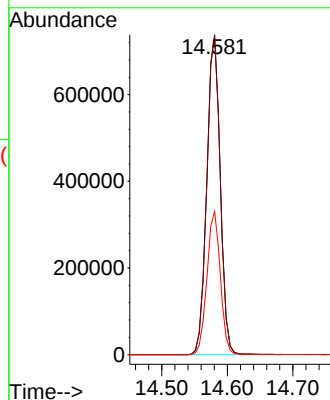
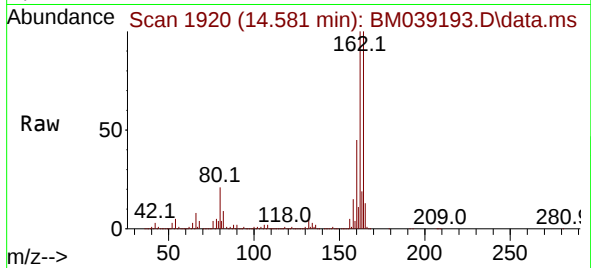




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

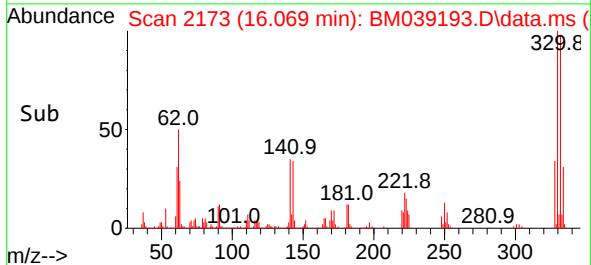
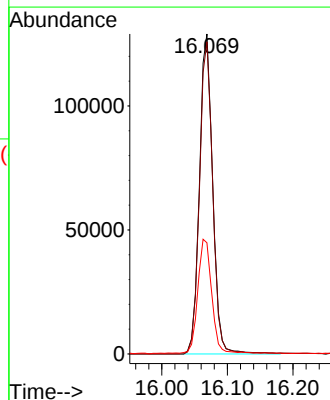
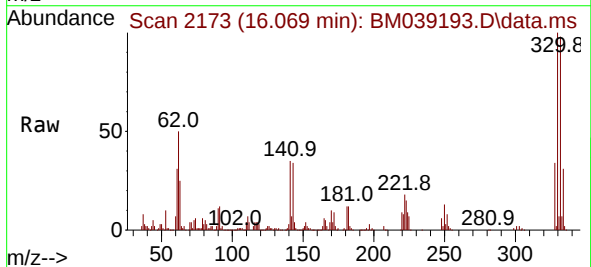
Instrument :
BNA_M
ClientSampleId :
WC01DL

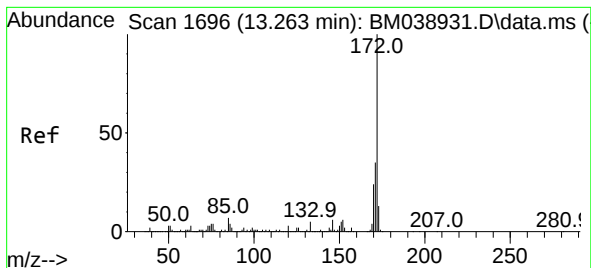
Tgt Ion:164 Resp: 1055535
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.8 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 14.902 ng
RT: 16.069 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:330 Resp: 181971
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 38.8 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 10.055 ng

RT: 13.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL

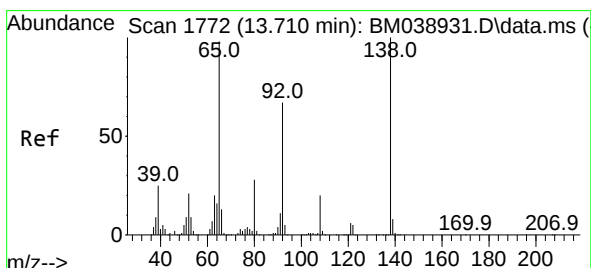
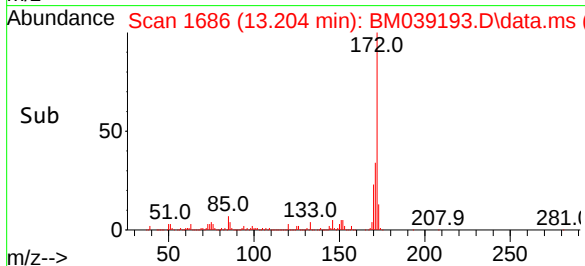
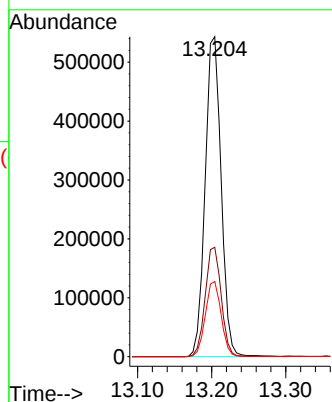
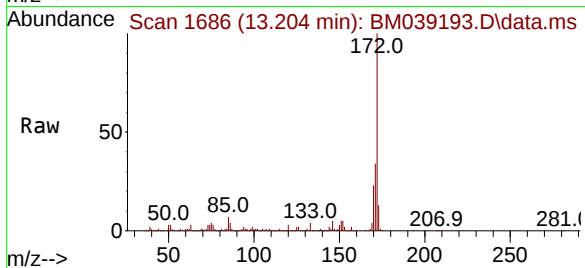
Tgt Ion:172 Resp: 815325

Ion Ratio Lower Upper

172 100

171 34.2 28.2 42.2

170 23.5 19.1 28.7



#48

2-Nitroaniline

Concen: 2.226 ng

RT: 13.651 min Scan# 1762

Delta R.T. -0.017 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

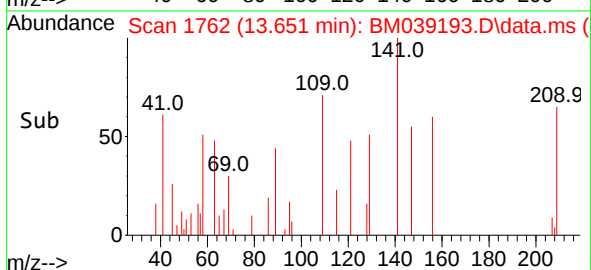
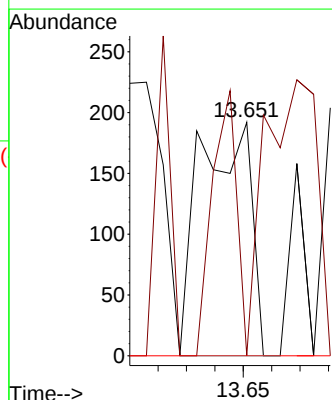
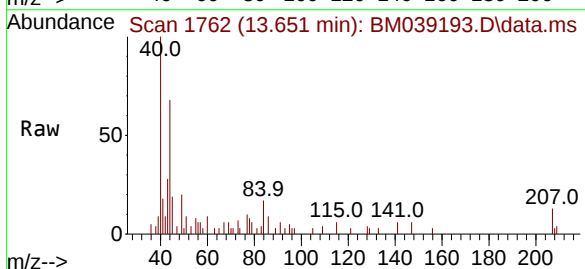
Tgt Ion: 65 Resp: 240

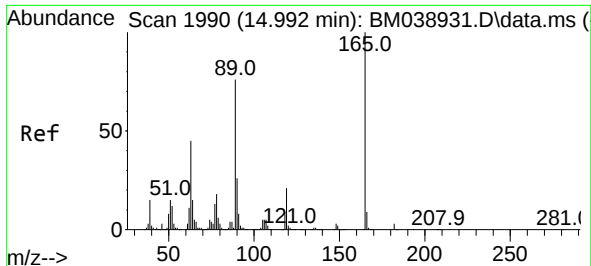
Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 81.6 122.4#





#57

2,4-Dinitrotoluene

Concen: 2.095 ng

RT: 14.928 min Scan# 1990

Delta R.T. -0.023 min

Lab File: BM039193.D

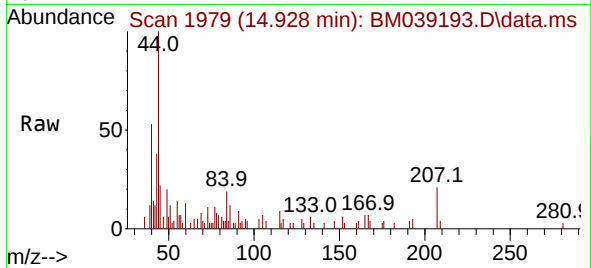
Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL



Tgt Ion:165 Resp: 581

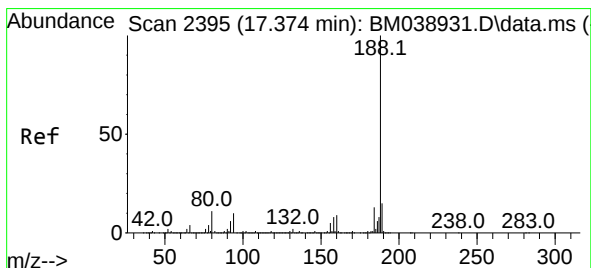
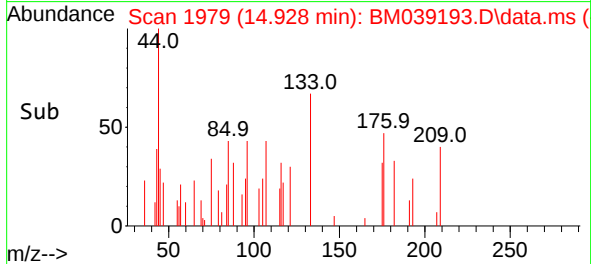
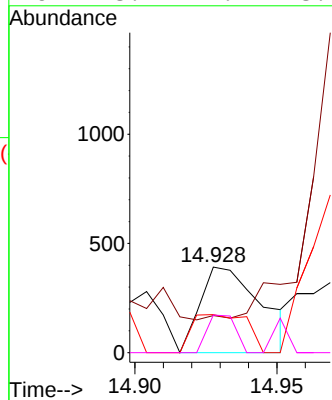
Ion Ratio Lower Upper

165 100

63 43.4 35.9 53.9

89 44.4 61.0 91.6#

182 43.9 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.327 min Scan# 2387

Delta R.T. 0.000 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

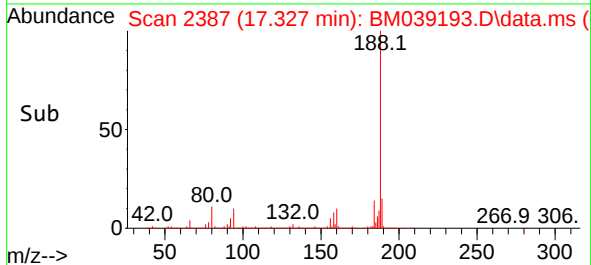
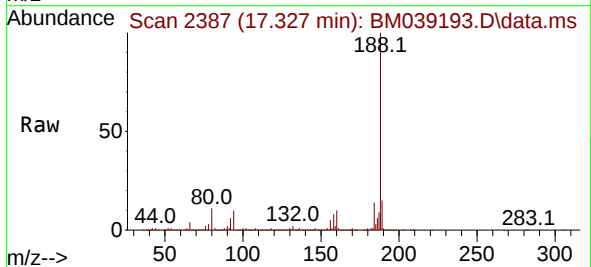
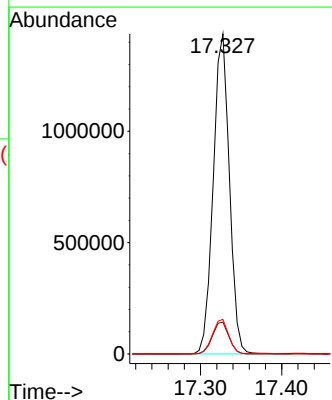
Tgt Ion:188 Resp: 1984803

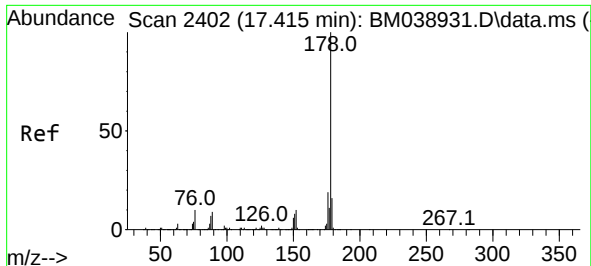
Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.8 8.5 12.7

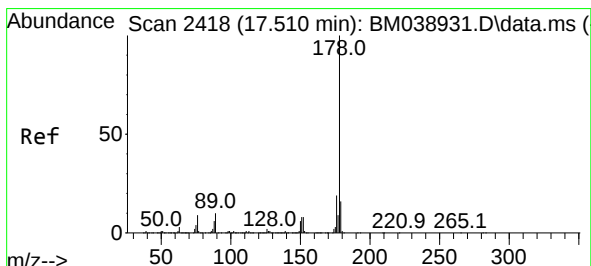
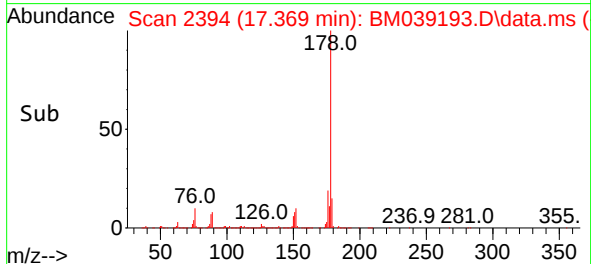
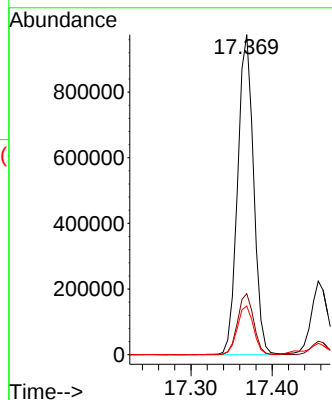
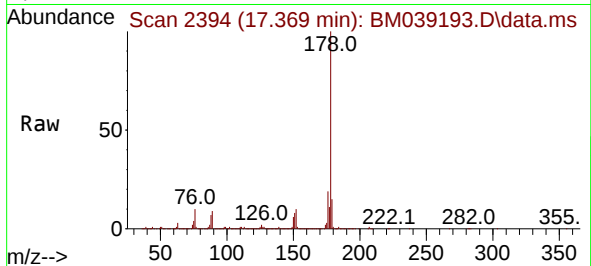




#71
Phenanthrene
Concen: 11.362 ng
RT: 17.369 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

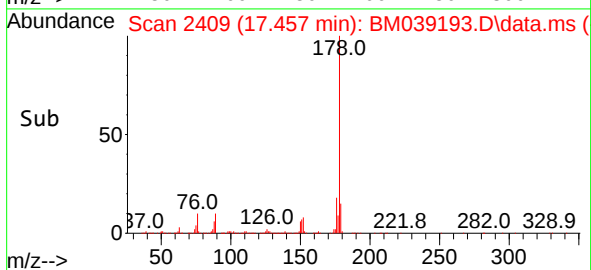
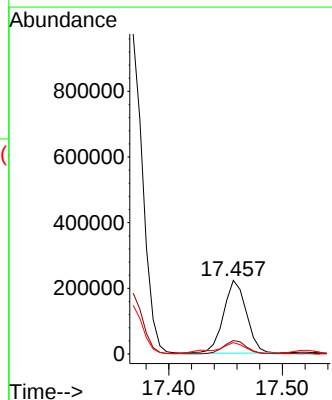
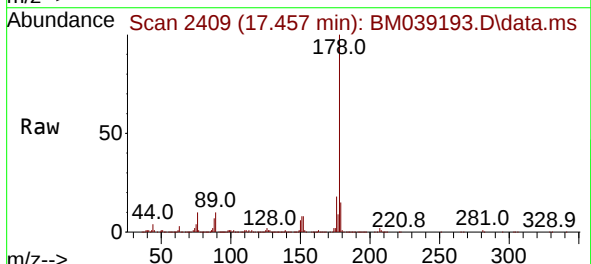
Instrument :
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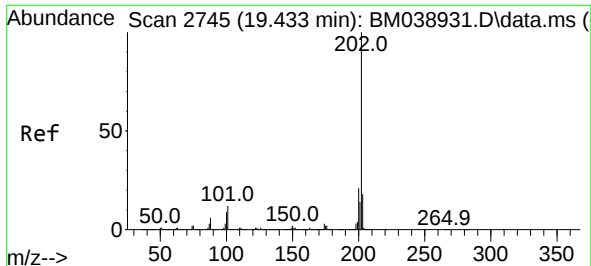
Tgt Ion:178 Resp: 1323497
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.2 12.5 18.7



#72
Anthracene
Concen: 2.670 ng
RT: 17.457 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:178 Resp: 310201
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.5 12.5 18.7

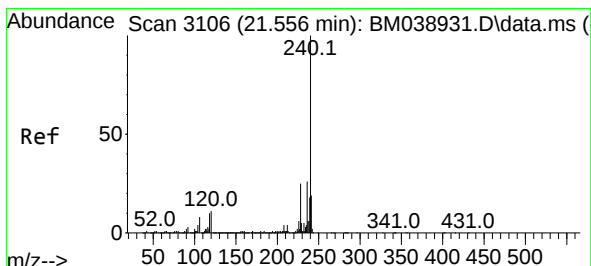
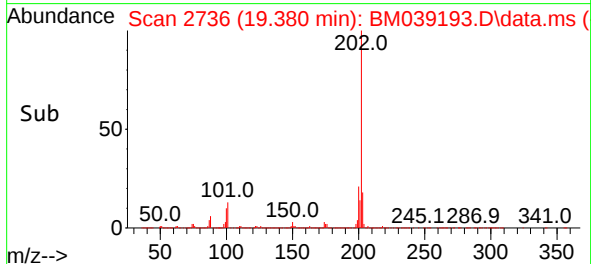
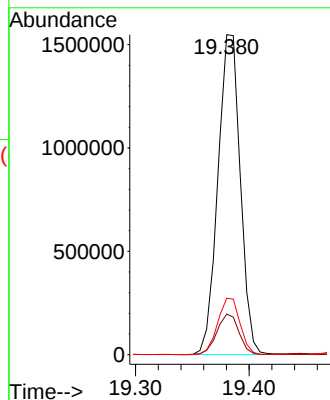
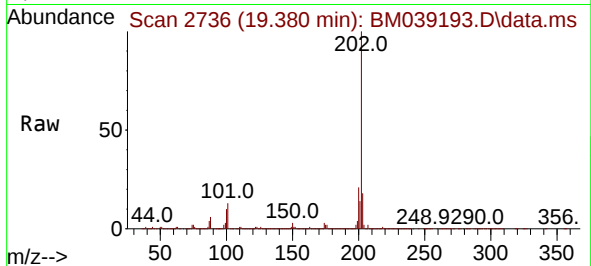




#75
Fluoranthene
Concen: 17.274 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

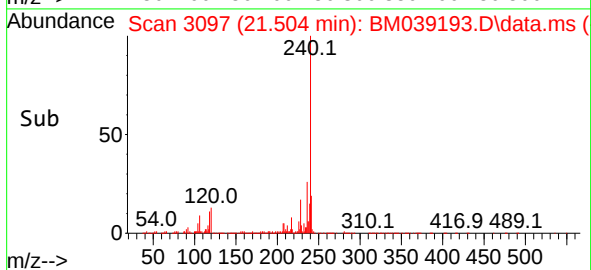
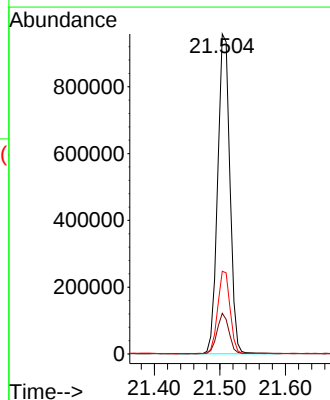
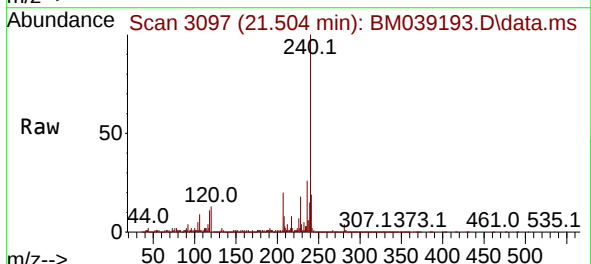
Instrument :
BNA_M
ClientSampleId :
WC01DL

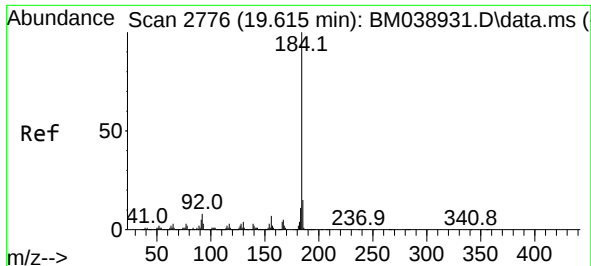
Tgt Ion:202 Resp: 2124600
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:240 Resp: 1231153
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.9 20.8 31.2

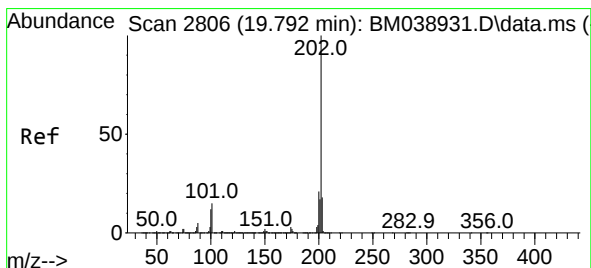
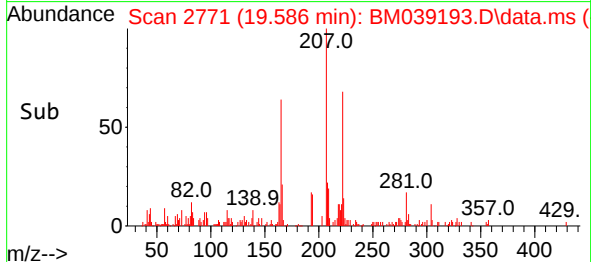
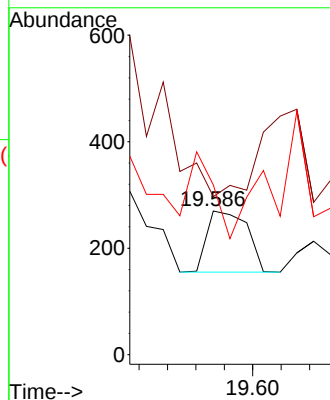
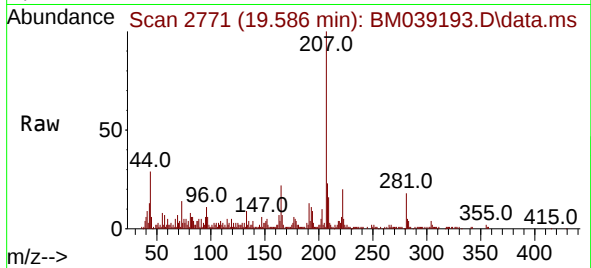




#77
Benzidine
Concen: 4.880 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

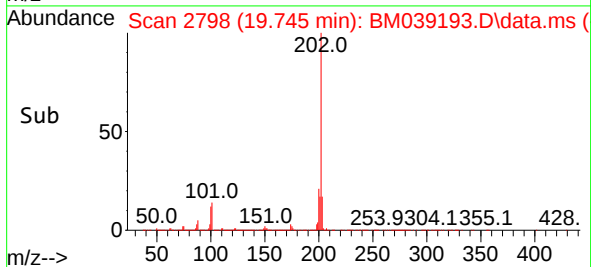
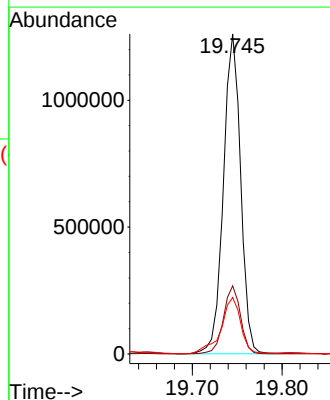
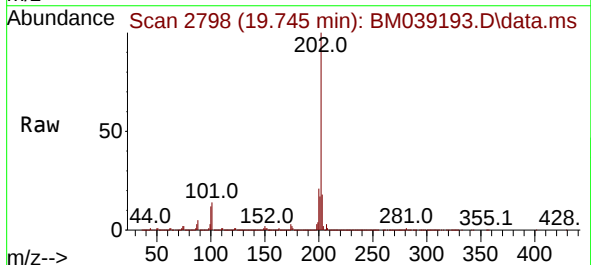
Instrument :
BNA_M
ClientSampleId :
WC01DL

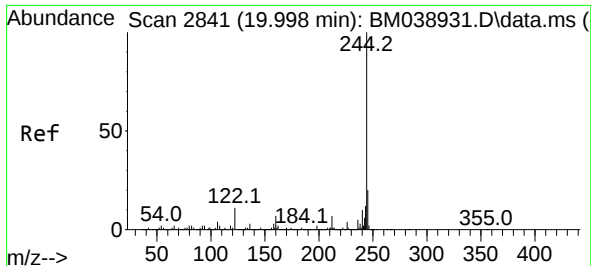
Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
185 110.0 12.2 18.4#
183 118.1 8.8 13.2#



#78
Pyrene
Concen: 18.161 ng
RT: 19.745 min Scan# 2798
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:202 Resp: 1679374
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.1 21.1

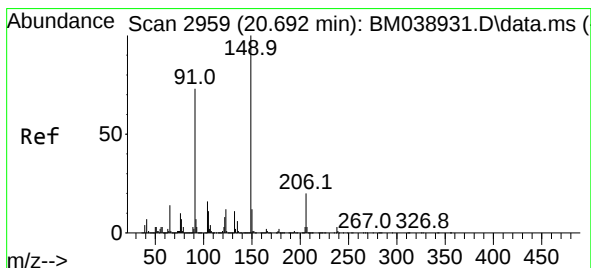
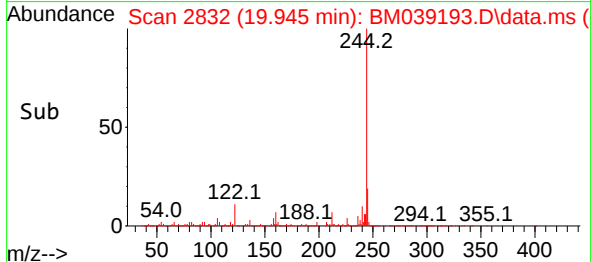
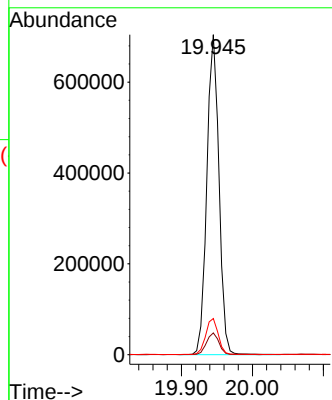
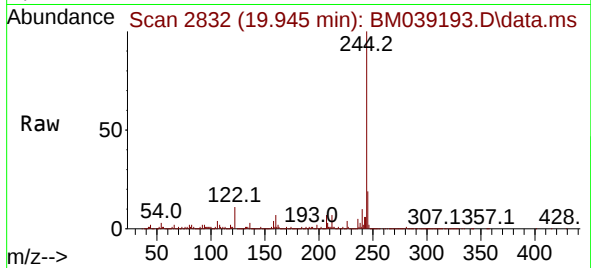




#79
 Terphenyl-d14
 Concen: 12.391 ng
 RT: 19.945 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

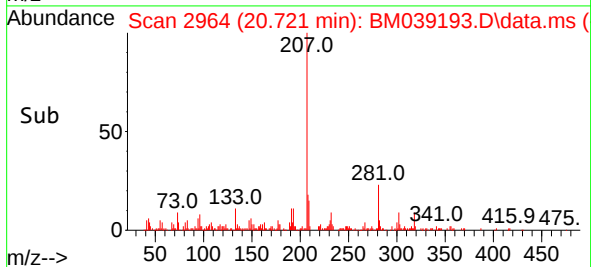
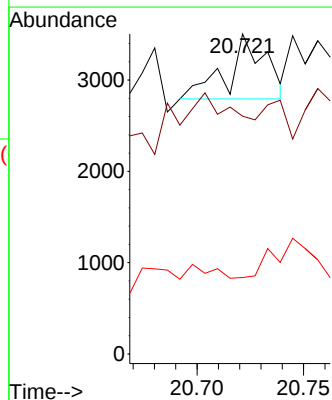
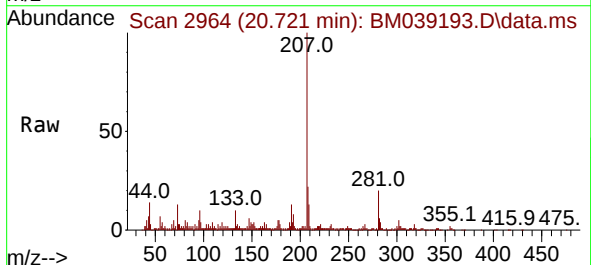
Instrument :
 BNA_M
 ClientSampleId :
 WC01DL

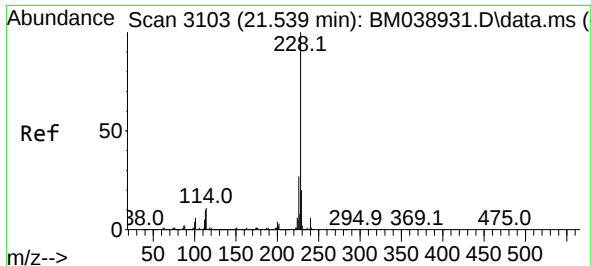
Tgt Ion:244 Resp: 834373
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.3 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.337 ng
 RT: 20.721 min Scan# 2964
 Delta R.T. 0.077 min
 Lab File: BM039193.D
 Acq: 28 Mar 2023 23:26

Tgt Ion:149 Resp: 878
 Ion Ratio Lower Upper
 149 100
 91 74.3 58.4 87.6
 206 23.9 16.1 24.1

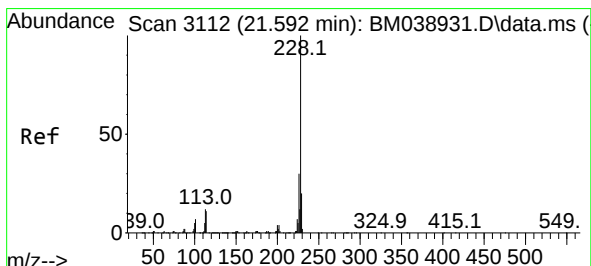
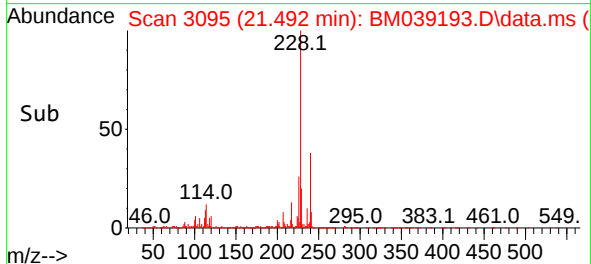
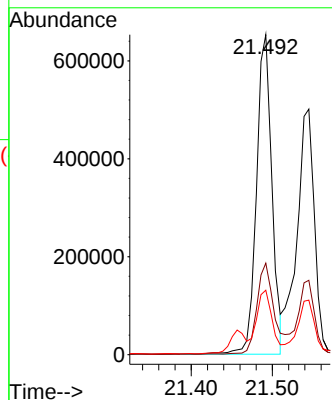
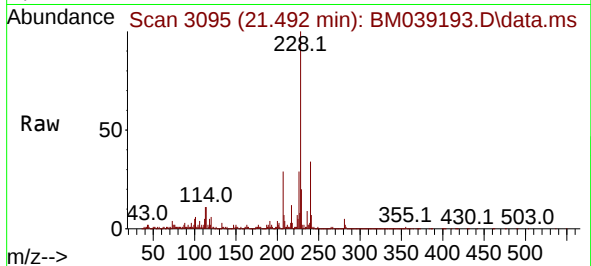




#81
Benzo(a)anthracene
Concen: 9.704 ng
RT: 21.492 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

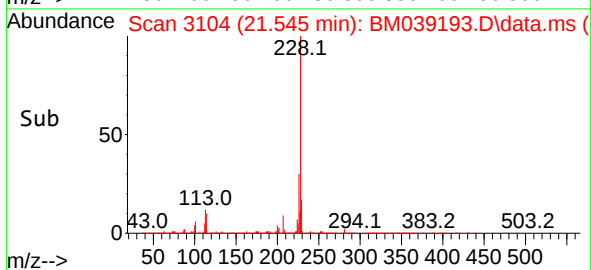
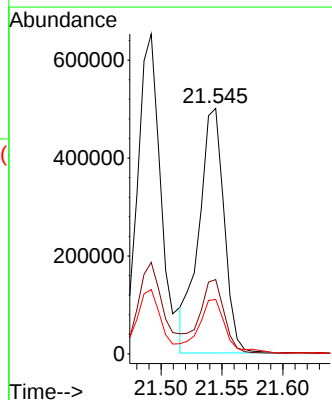
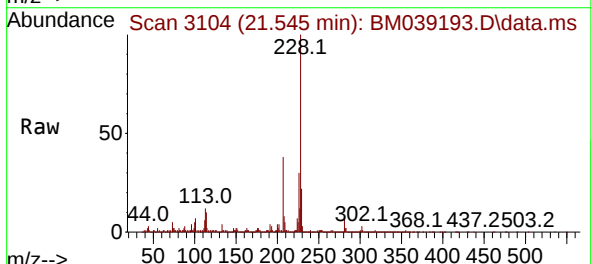
Instrument :
BNA_M
ClientSampleId :
WC01DL

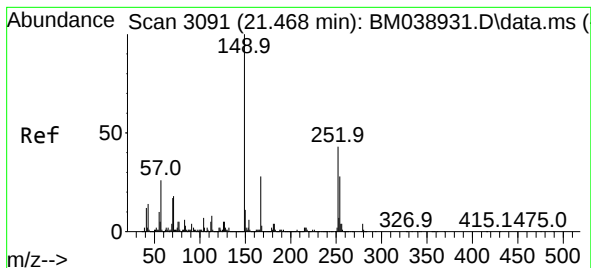
Tgt Ion:228 Resp: 860375
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.2
229 20.1 15.7 23.5



#83
Chrysene
Concen: 8.374 ng
RT: 21.545 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:228 Resp: 722122
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 22.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.866 ng

RT: 21.410 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL

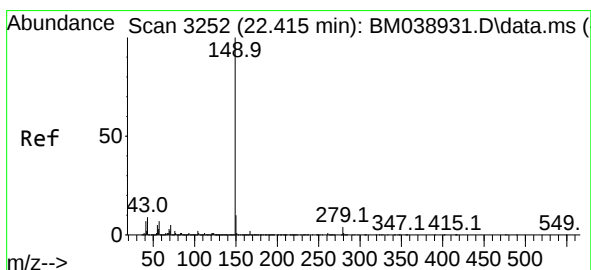
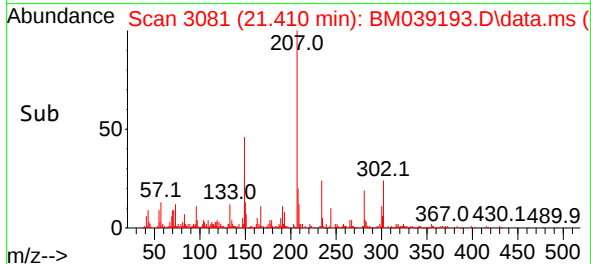
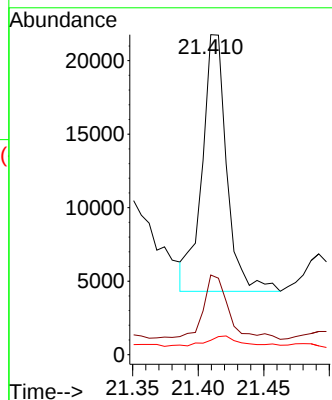
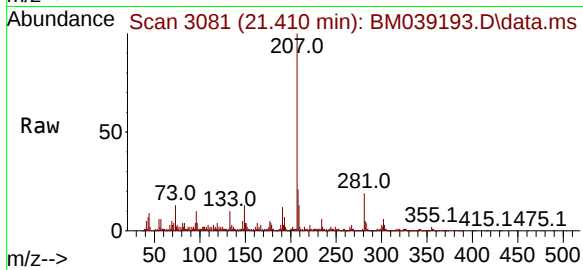
Tgt Ion:149 Resp: 22849

Ion Ratio Lower Upper

149 100

167 24.9 22.3 33.5

279 4.5 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.805 ng

RT: 22.345 min Scan# 3240

Delta R.T. 0.000 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

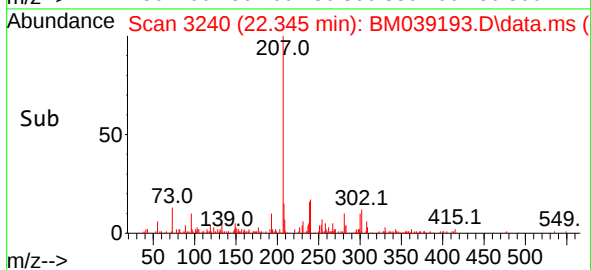
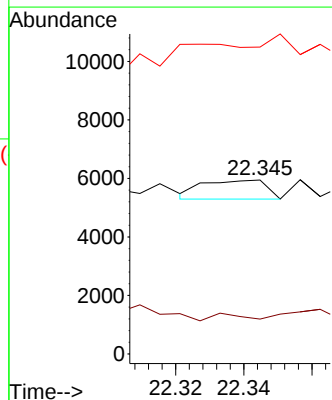
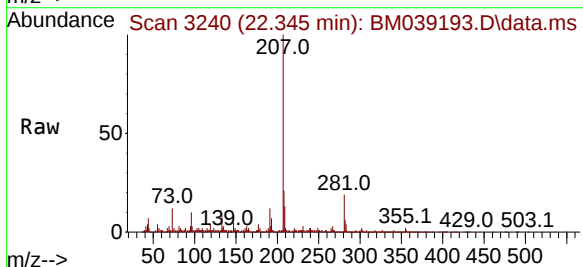
Tgt Ion:149 Resp: 844

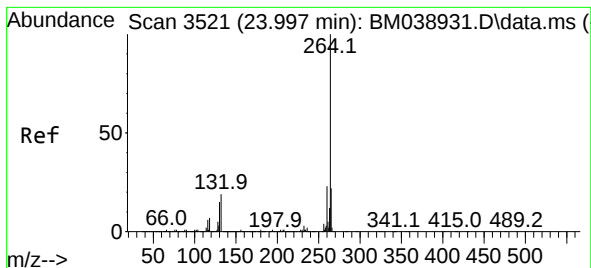
Ion Ratio Lower Upper

149 100

167 31.3 1.2 1.8#

43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

Instrument :

BNA_M

ClientSampleId :

WC01DL

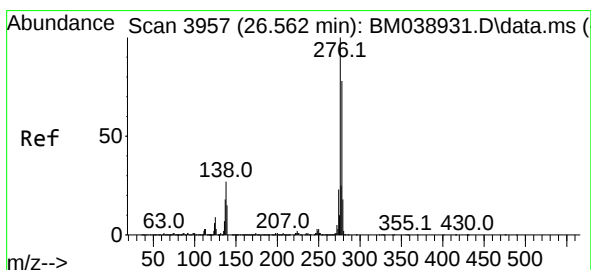
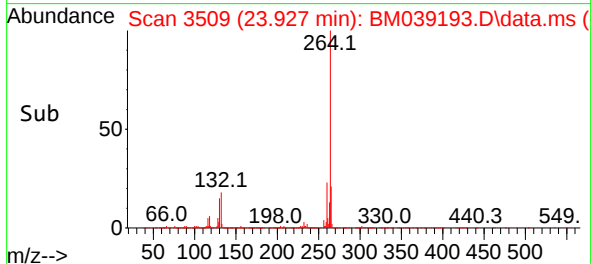
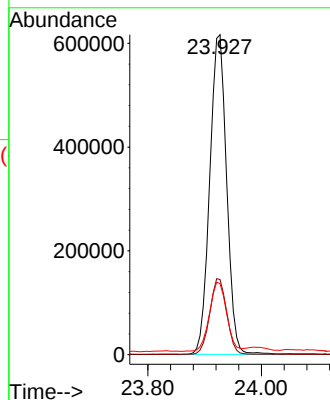
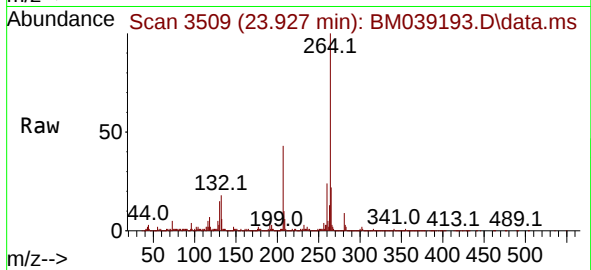
Tgt Ion:264 Resp: 1265499

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.2 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.662 ng

RT: 26.433 min Scan# 3935

Delta R.T. -0.023 min

Lab File: BM039193.D

Acq: 28 Mar 2023 23:26

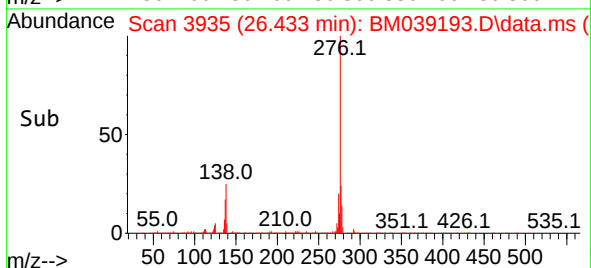
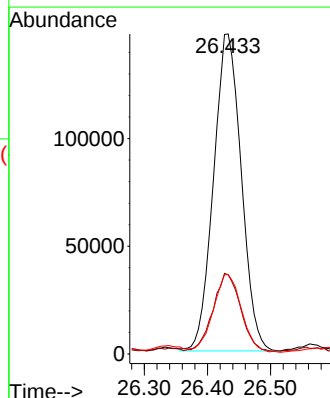
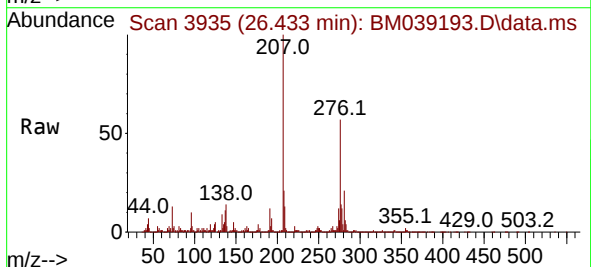
Tgt Ion:276 Resp: 448966

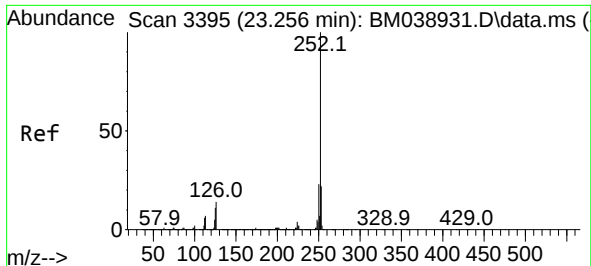
Ion Ratio Lower Upper

276 100

138 24.2 22.1 33.1

277 25.0 20.1 30.1

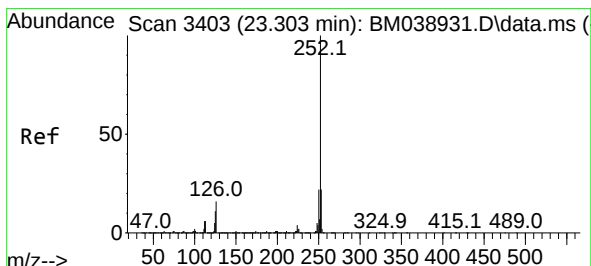
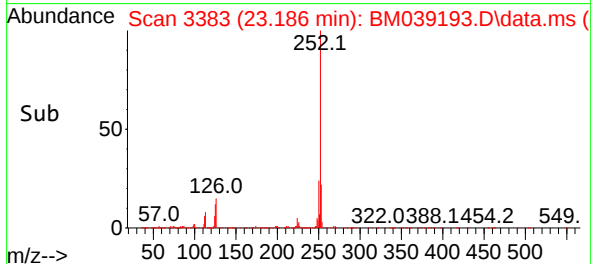
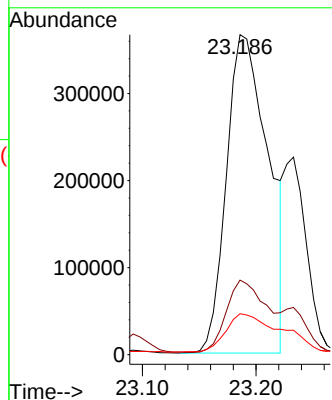
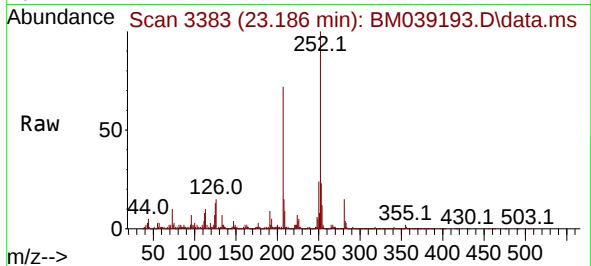




#88
Benzo(b)fluoranthene
Concen: 11.584 ng
RT: 23.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

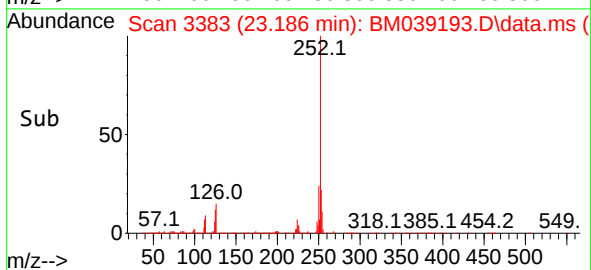
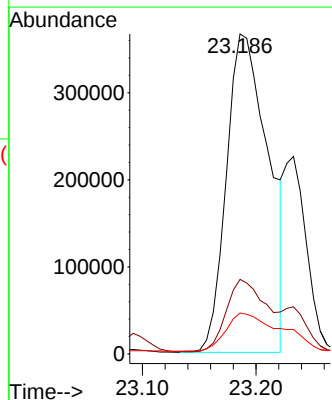
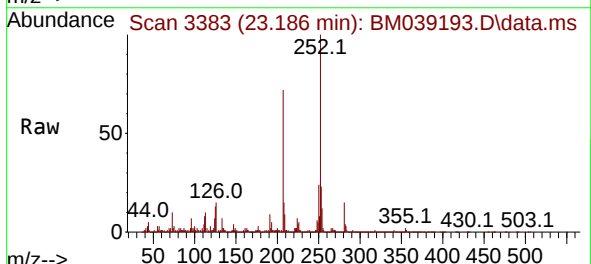
Instrument :
BNA_M
ClientSampleId :
WC01DL

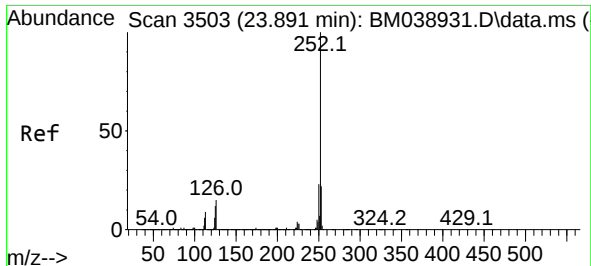
Tgt Ion:252 Resp: 936539
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 12.8 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 11.131 ng
RT: 23.186 min Scan# 3383
Delta R.T. -0.053 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:252 Resp: 936539
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.8 8.9 13.3

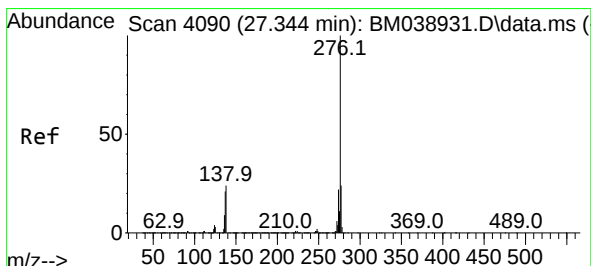
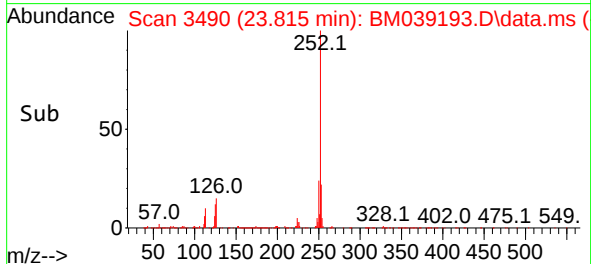
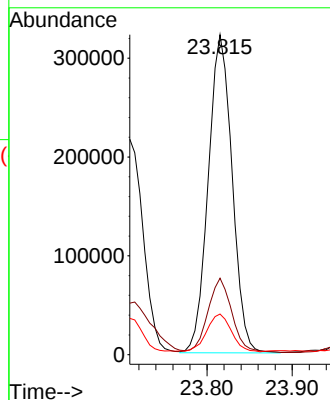
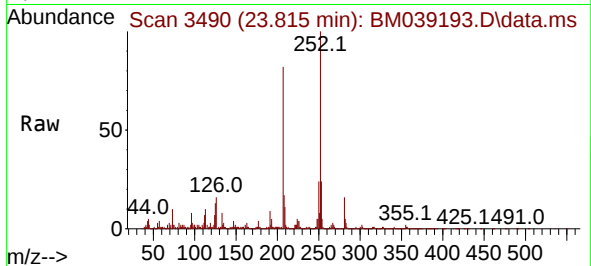




#90
Benzo(a)pyrene
Concen: 8.064 ng
RT: 23.815 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Instrument :
BNA_M
ClientSampleId :
WC01DL

Tgt Ion:252 Resp: 627490
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.7 9.8 14.8



#92
Benzo(g,h,i)perylene
Concen: 5.155 ng
RT: 27.209 min Scan# 4067
Delta R.T. -0.017 min
Lab File: BM039193.D
Acq: 28 Mar 2023 23:26

Tgt Ion:276 Resp: 411318
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 25.6 19.0 28.6

