

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039102.D
 Acq On : 22 Mar 2023 21:22
 Operator : CG/JU
 Sample : 02020-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-2

Quant Time: Mar 23 04:26:42 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)

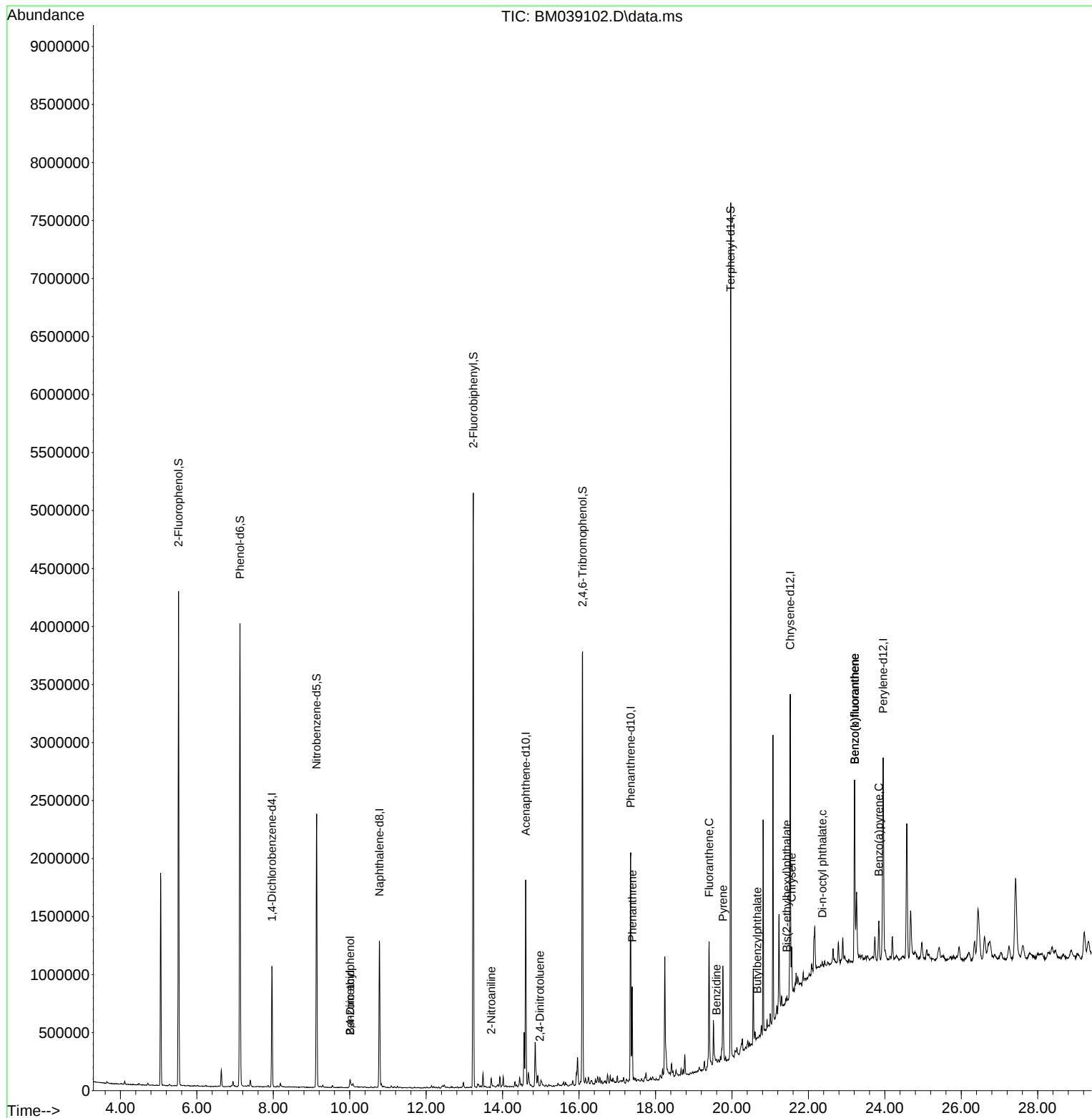
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	273316	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1035425	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	578225	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1151319	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1113870	20.000	ng	0.00
86) Perylene-d12	23.956	264	1272859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1777273	98.794	ng	0.00
7) Phenol-d6	7.128	99	2249670	96.276	ng	0.00
23) Nitrobenzene-d5	9.134	82	1321668	62.701	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	616422	92.153	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2547794	57.360	ng	0.00
79) Terphenyl-d14	19.968	244	3309945	54.330	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	10.010	122	35935	2.126	ng	# 6
32) Benzoic acid	10.010	122	35935	8.284	ng	96
48) 2-Nitroaniline	13.704	65	1703	2.353	ng	# 28
57) 2,4-Dinitrotoluene	14.974	165	273	2.091	ng	# 1
71) Phenanthrene	17.392	178	437794	6.479	ng	99
75) Fluoranthene	19.403	202	539054	7.556	ng	99
77) Benzidine	19.598	184	418	4.891	ng	# 1
78) Pyrene	19.762	202	464820	5.556	ng	99
80) Butylbenzylphthalate	20.662	149	3819	3.416	ng	# 78
83) Chrysene	21.562	228	236527	3.032	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	16162	2.783	ng	99
85) Di-n-octyl phthalate	22.368	149	1569	3.813	ng	# 1
88) Benzo(b)fluoranthene	23.215	252	320978	3.947	ng	# 93
89) Benzo(k)fluoranthene	23.215	252	320978	3.793	ng	# 92
90) Benzo(a)pyrene	23.844	252	172226	2.201	ng	# 96

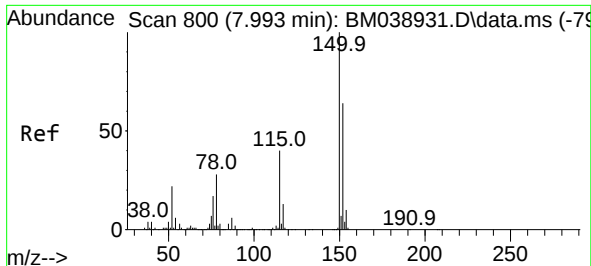
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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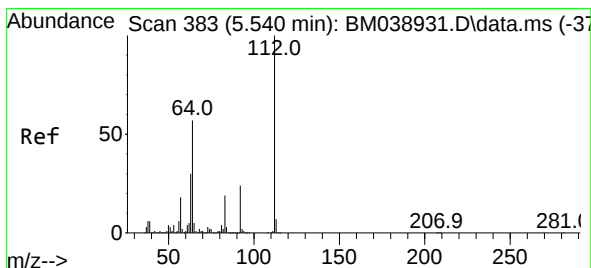
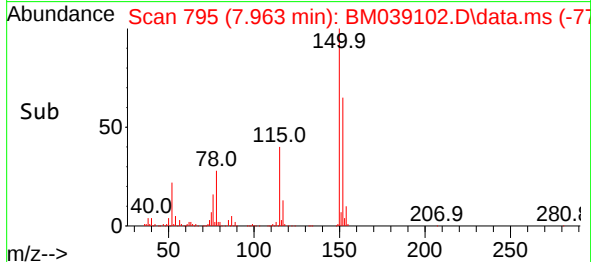
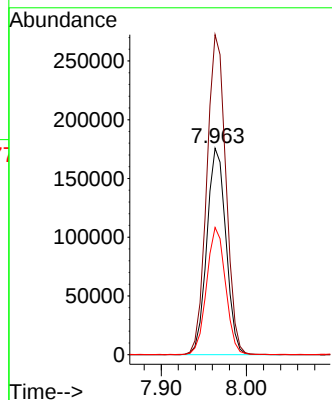
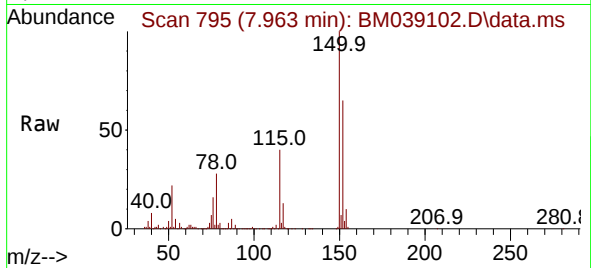




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.963 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BM039102.D
 Acq: 22 Mar 2023 21:22

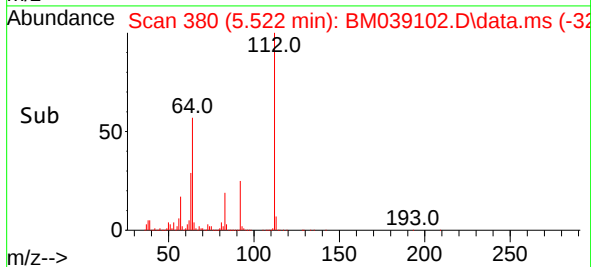
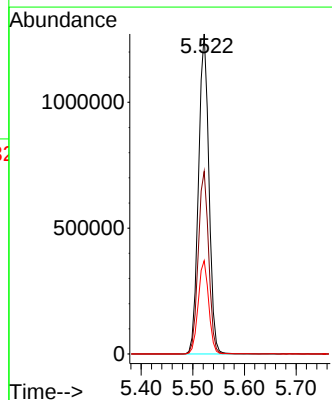
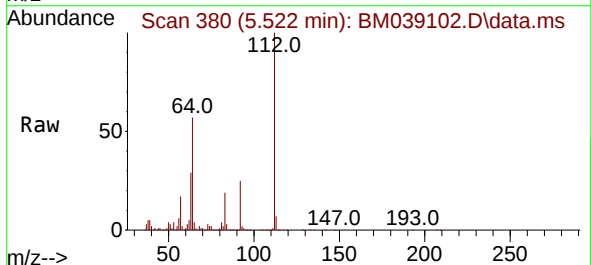
Instrument :
 BNA_M
 ClientSampleId :
 SP-2

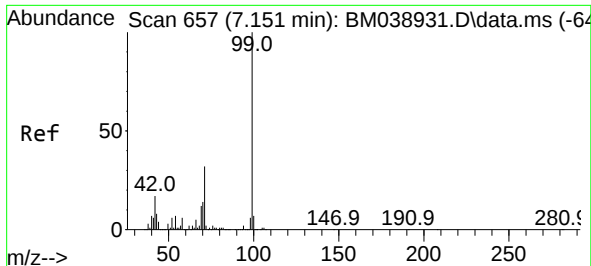
Tgt Ion:152 Resp: 273316
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.1 187.7
 115 61.6 49.6 74.4



#5
 2-Fluorophenol
 Concen: 98.794 ng
 RT: 5.522 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: BM039102.D
 Acq: 22 Mar 2023 21:22

Tgt Ion:112 Resp: 1777273
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.9 68.9
 63 29.1 23.8 35.8

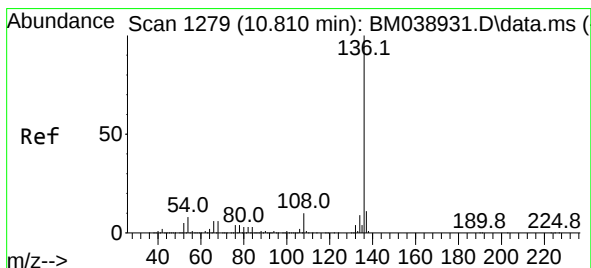
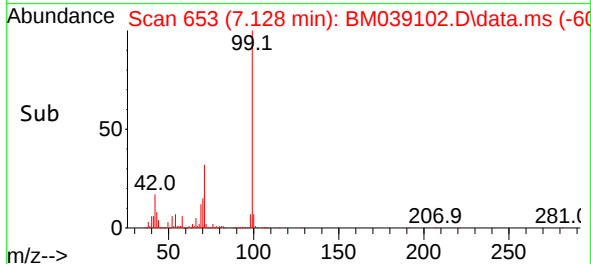
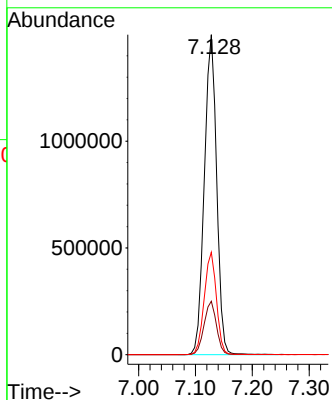
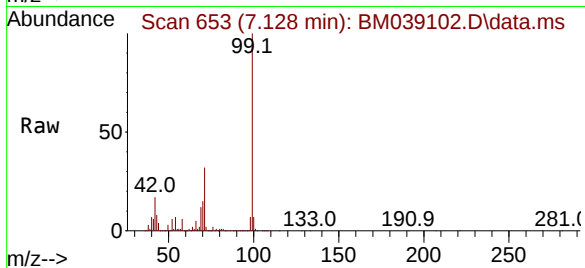




#7
Phenol-d6
Concen: 96.276 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

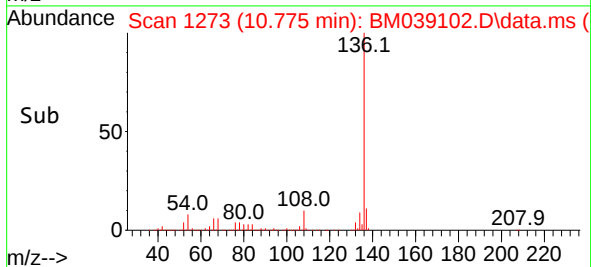
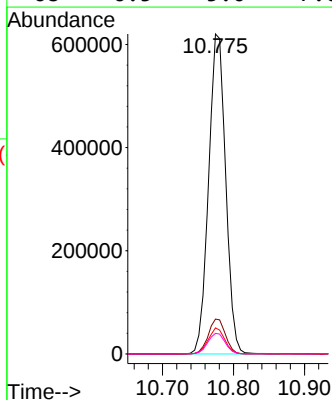
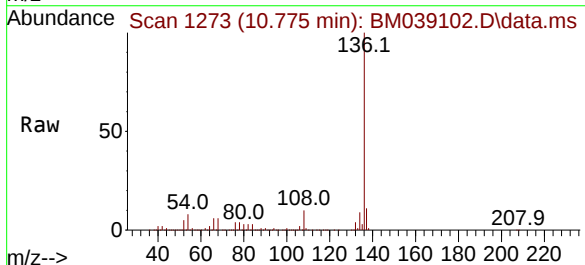
Instrument :
BNA_M
ClientSampleId :
SP-2

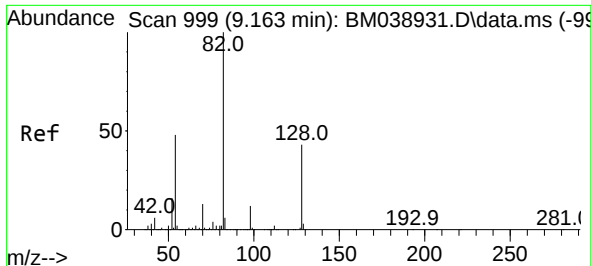
Tgt Ion: 99 Resp: 2249670
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion: 136 Resp: 1035425
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.3 9.5
68 6.5 5.0 7.6

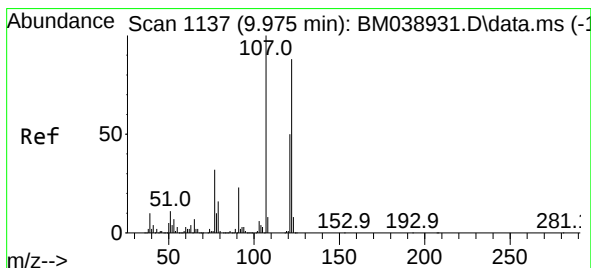
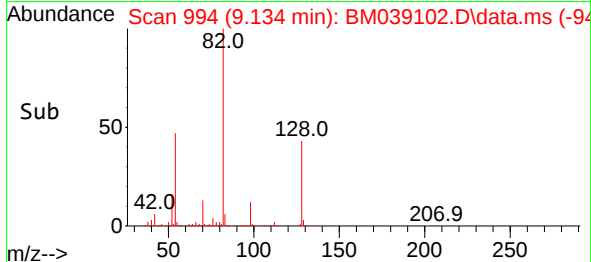
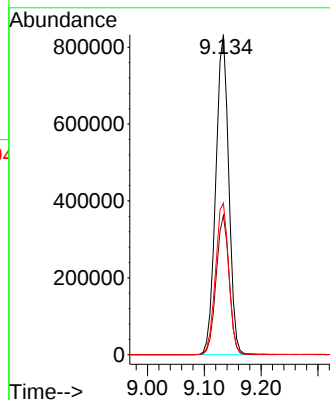
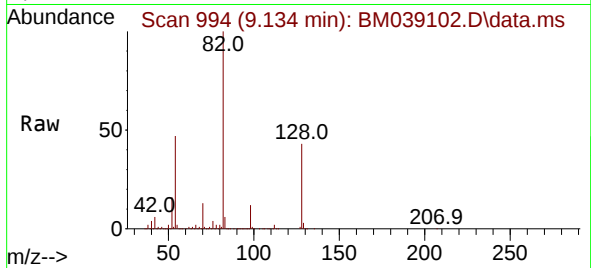




#23
Nitrobenzene-d5
Concen: 62.701 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

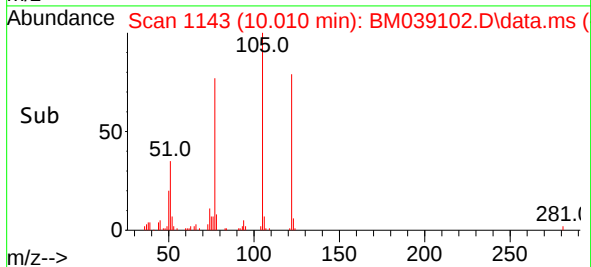
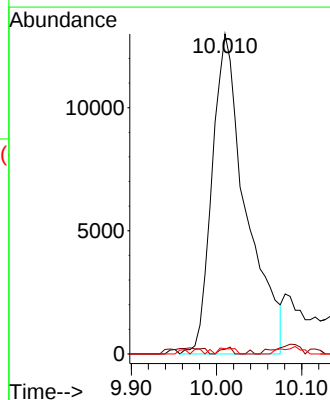
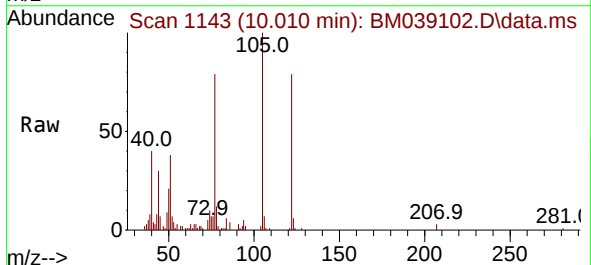
Instrument :
BNA_M
ClientSampleId :
SP-2

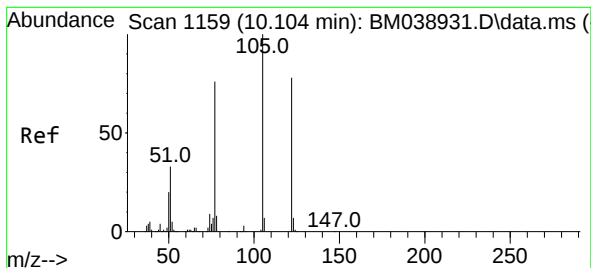
Tgt Ion: 82 Resp: 1321668
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 47.3 38.8 58.2



#27
2,4-Dimethylphenol
Concen: 2.126 ng
RT: 10.010 min Scan# 1143
Delta R.T. 0.059 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:122 Resp: 35935
Ion Ratio Lower Upper
122 100
107 1.5 91.0 136.4#
121 1.7 45.1 67.7#





#32

Benzoic acid

Concen: 8.284 ng

RT: 10.010 min Scan# 1159

Delta R.T. -0.076 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

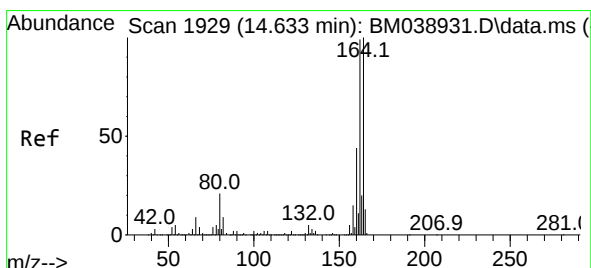
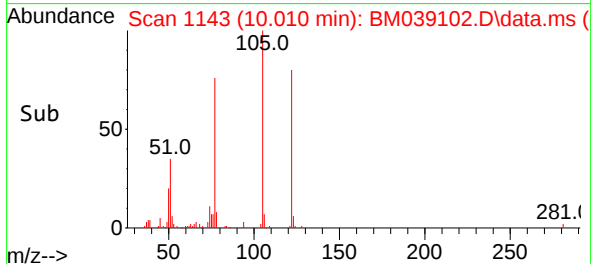
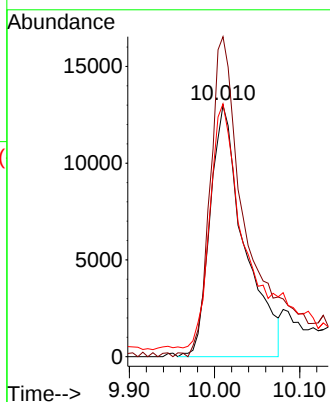
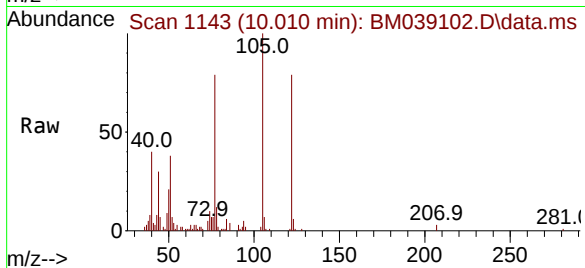
Tgt Ion:122 Resp: 35935

Ion Ratio Lower Upper

122 100

105 127.3 104.2 144.2

77 100.6 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.604 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

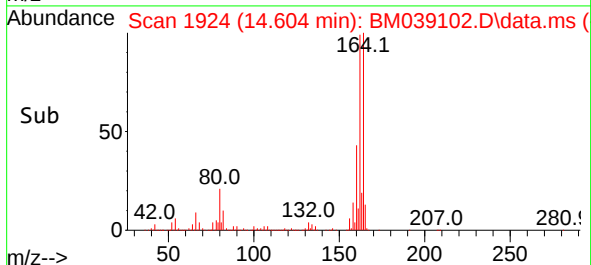
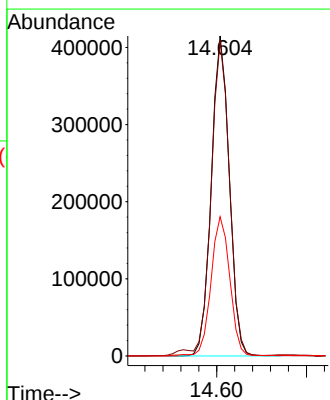
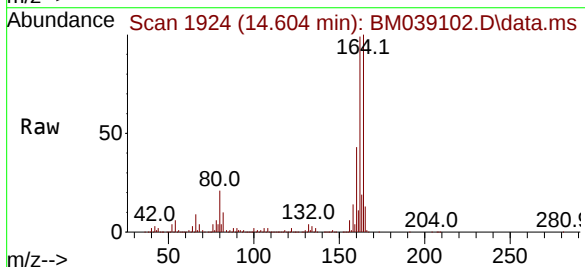
Tgt Ion:164 Resp: 578225

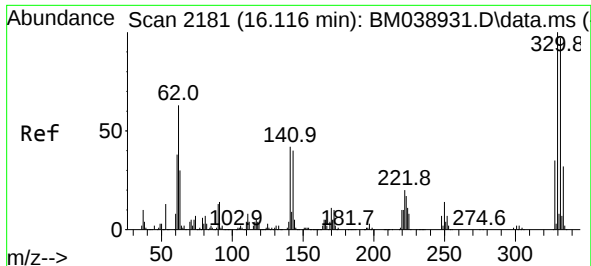
Ion Ratio Lower Upper

164 100

162 98.6 79.2 118.8

160 43.5 35.5 53.3

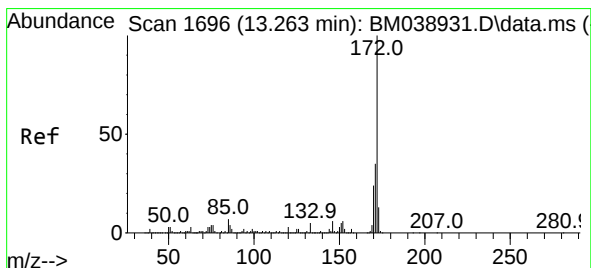
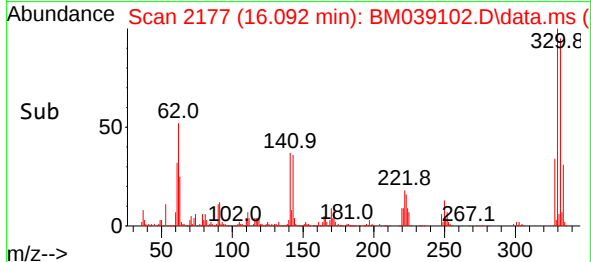
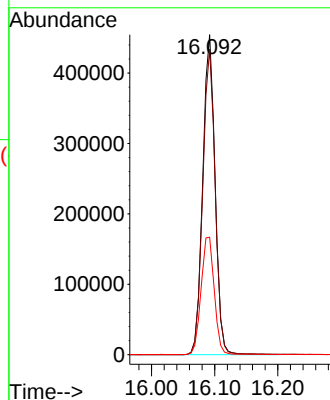
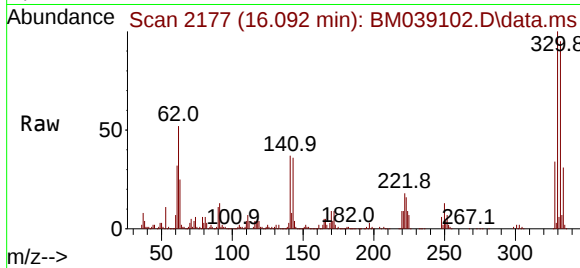




#42
2,4,6-Tribromophenol
Concen: 92.153 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

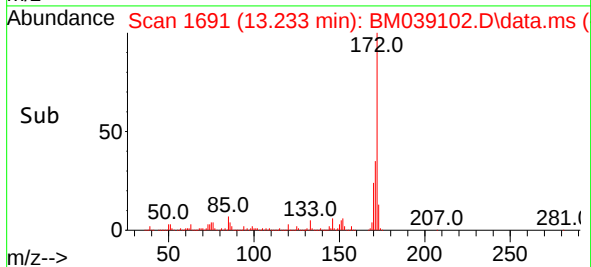
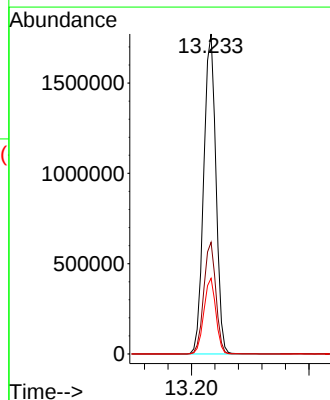
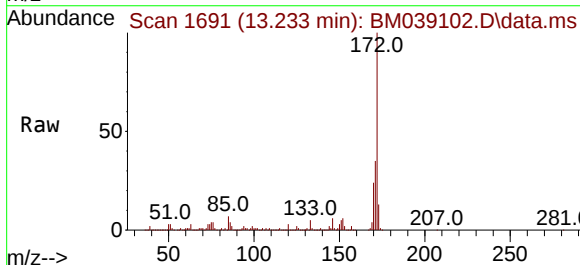
Instrument :
BNA_M
ClientSampleId :
SP-2

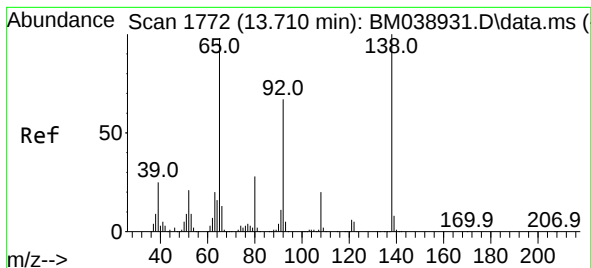
Tgt Ion:330 Resp: 616422
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 39.2 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 57.360 ng
RT: 13.233 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:172 Resp: 2547794
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.1 28.7





#48

2-Nitroaniline

Concen: 2.353 ng

RT: 13.704 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

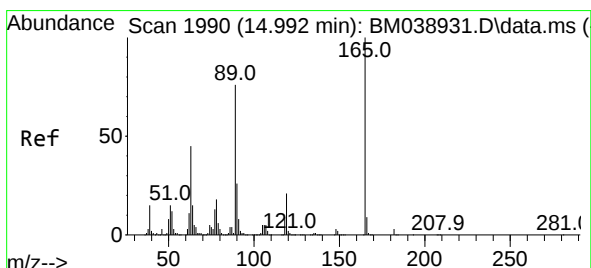
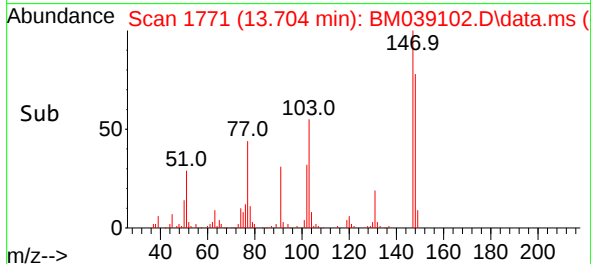
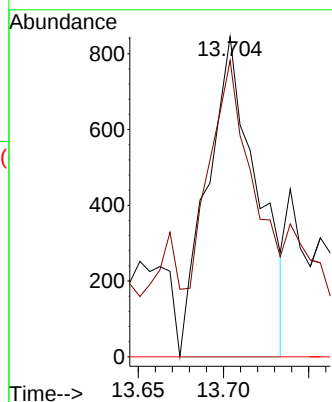
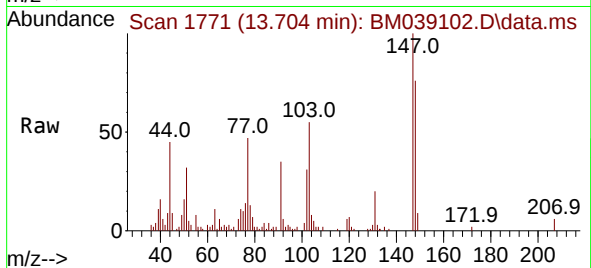
Tgt Ion: 65 Resp: 1703

Ion Ratio Lower Upper

65 100

92 92.5 54.9 82.3#

138 0.0 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.091 ng

RT: 14.974 min Scan# 1987

Delta R.T. 0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Tgt Ion: 165 Resp: 273

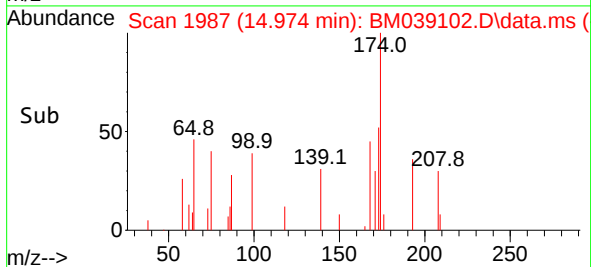
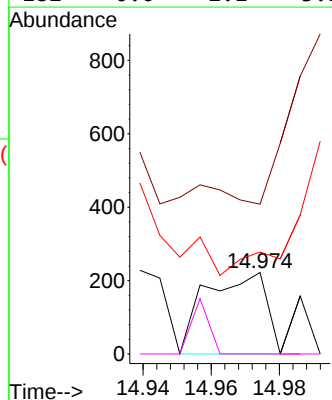
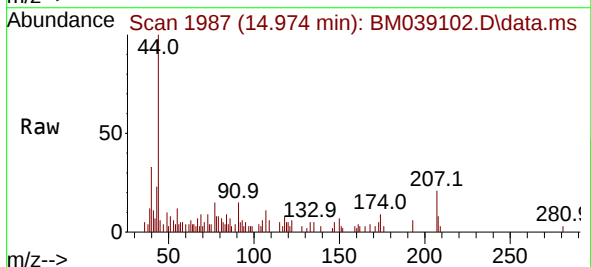
Ion Ratio Lower Upper

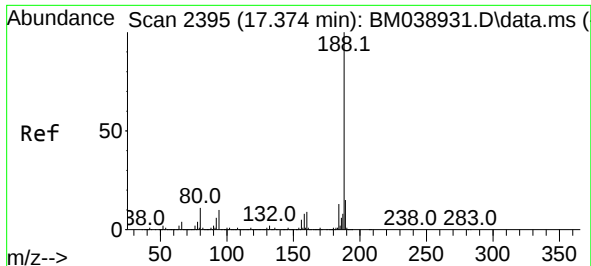
165 100

63 183.8 35.9 53.9#

89 125.2 61.0 91.6#

182 0.0 2.1 3.1#

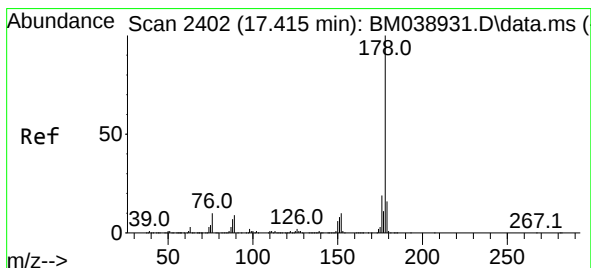
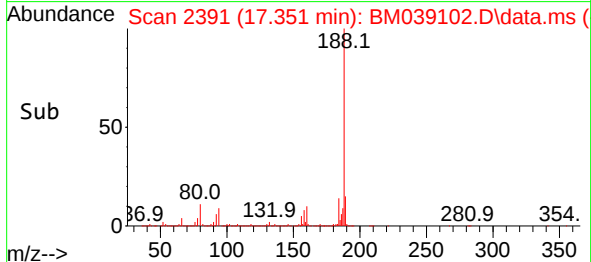
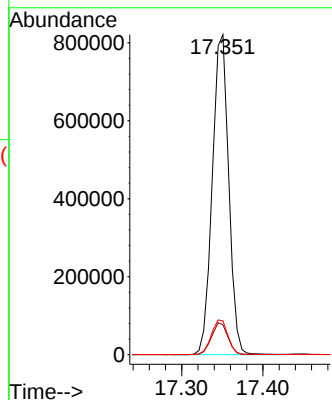
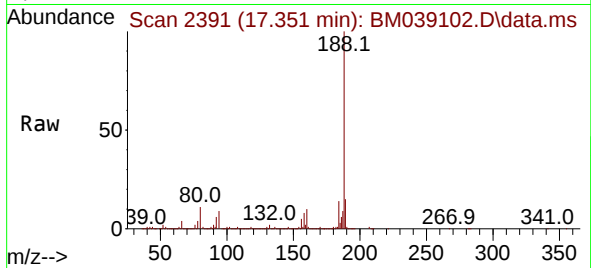




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

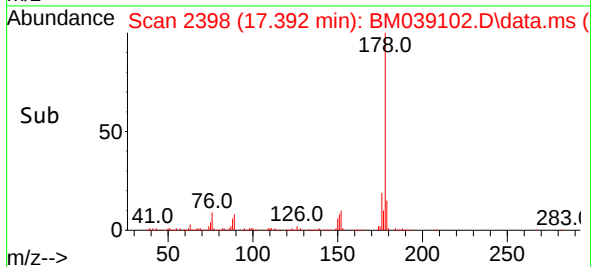
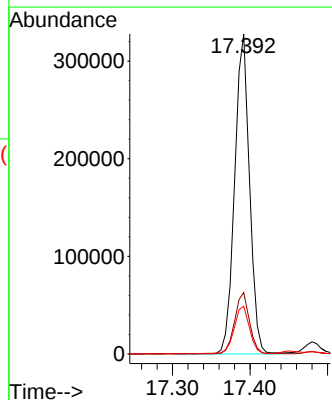
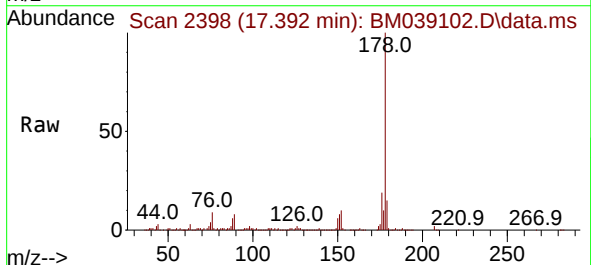
Instrument :
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ClientSampleId :
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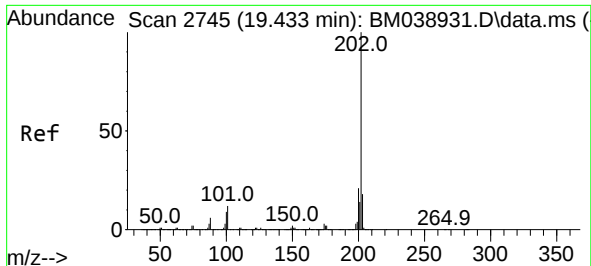
Tgt Ion:188 Resp: 1151319
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.6 8.5 12.7



#71
Phenanthrene
Concen: 6.479 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:178 Resp: 437794
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.5 18.7

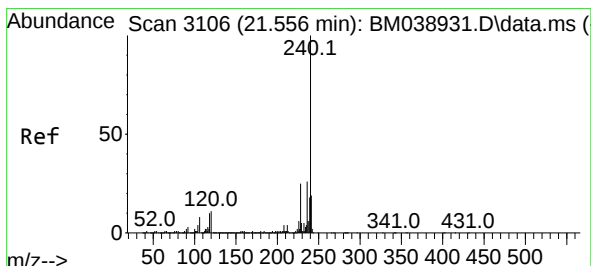
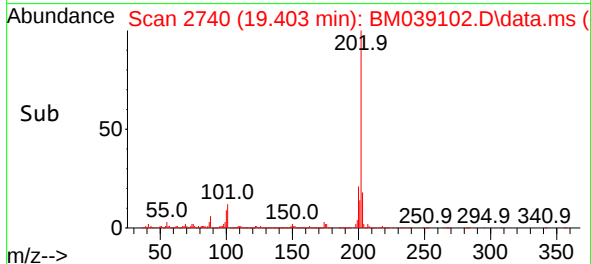
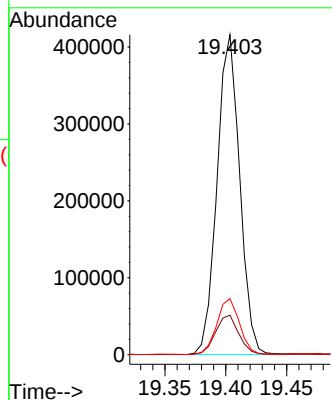
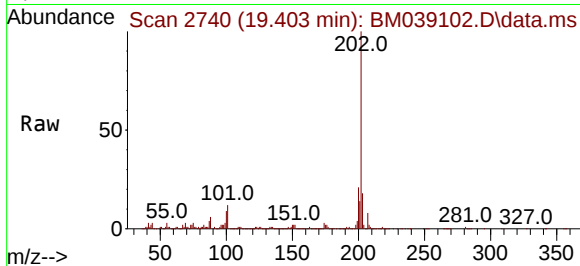




#75
Fluoranthene
Concen: 7.556 ng
RT: 19.403 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

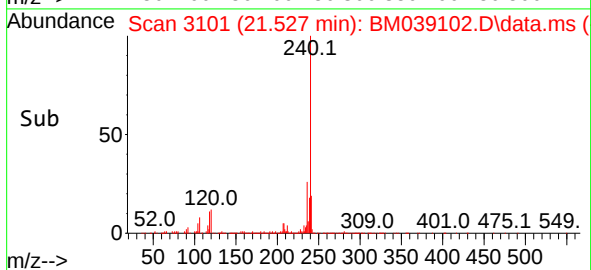
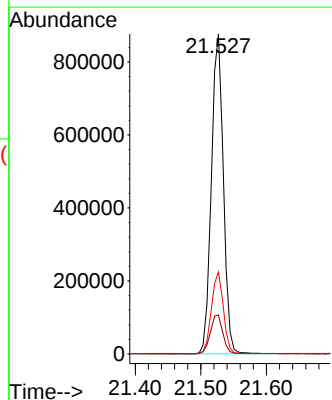
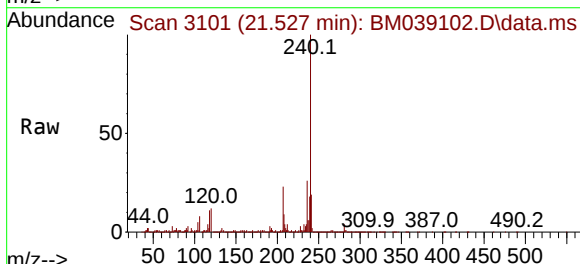
Instrument :
BNA_M
ClientSampleId :
SP-2

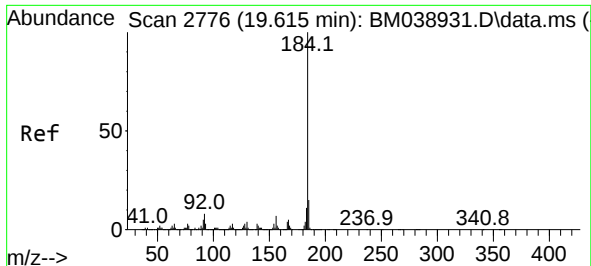
Tgt Ion:202 Resp: 539054
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:240 Resp: 1113870
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 25.6 20.8 31.2

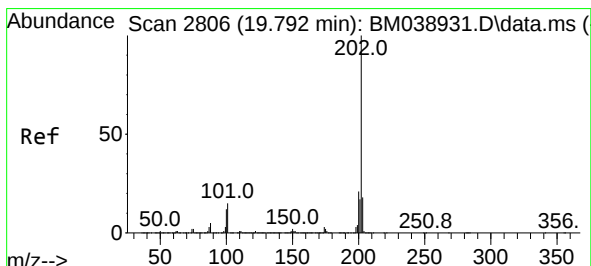
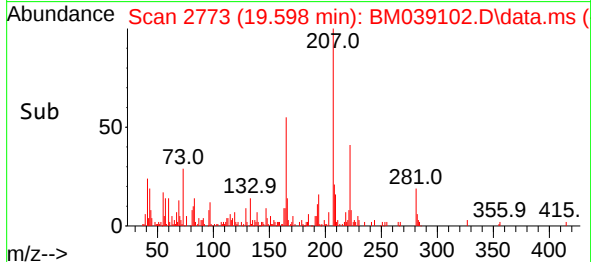
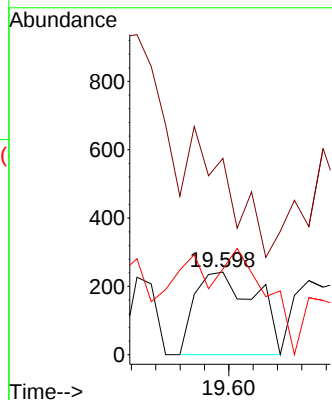
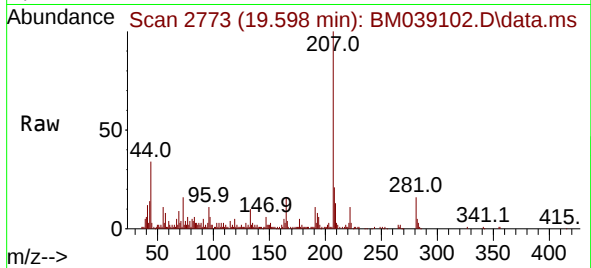




#77
Benzidine
Concen: 4.891 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

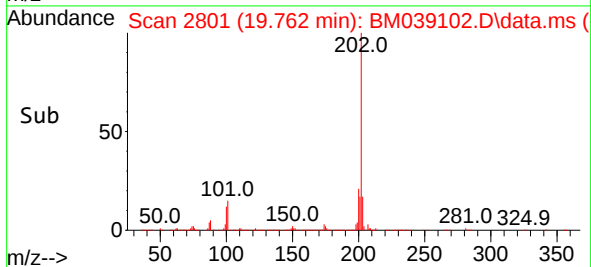
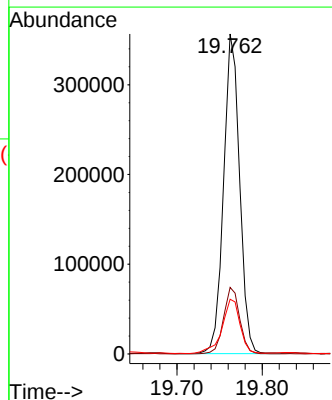
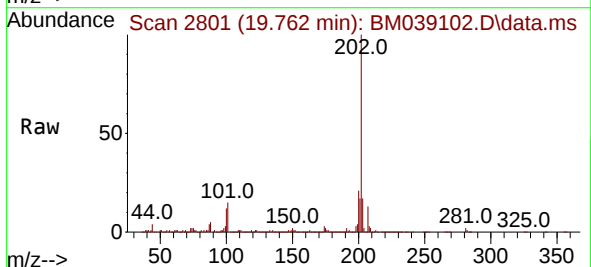
Instrument :
BNA_M
ClientSampleId :
SP-2

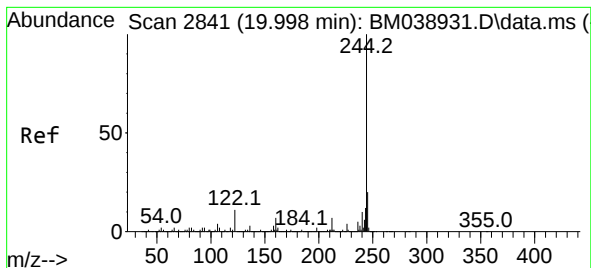
Tgt Ion:184 Resp: 418
Ion Ratio Lower Upper
184 100
185 237.6 12.2 18.4#
183 103.7 8.8 13.2#



#78
Pyrene
Concen: 5.556 ng
RT: 19.762 min Scan# 2801
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:202 Resp: 464820
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.1 14.1 21.1





#79

Terphenyl-d14

Concen: 54.330 ng

RT: 19.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

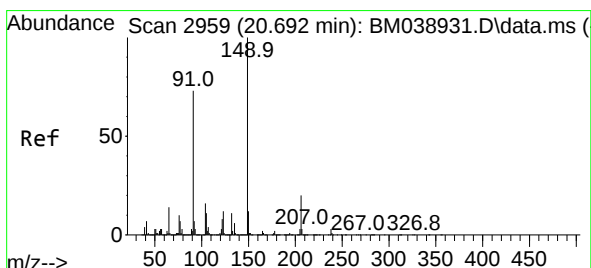
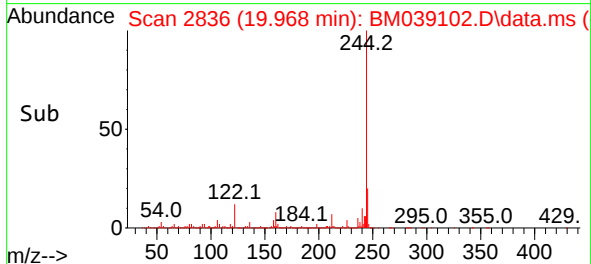
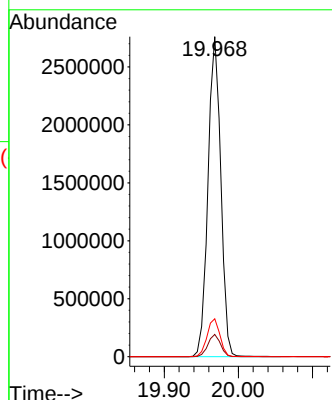
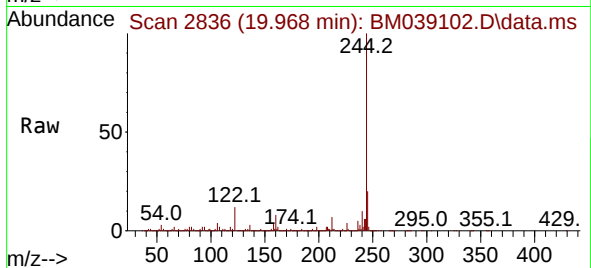
Tgt Ion:244 Resp: 3309945

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.8 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.416 ng

RT: 20.662 min Scan# 2954

Delta R.T. 0.000 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

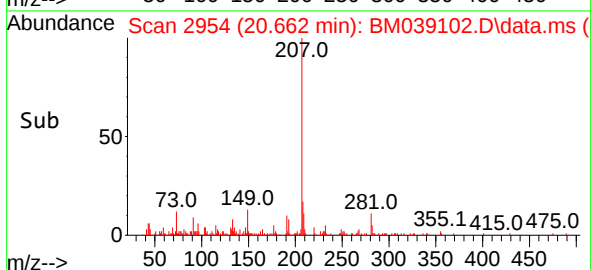
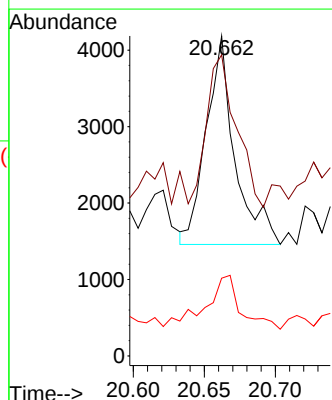
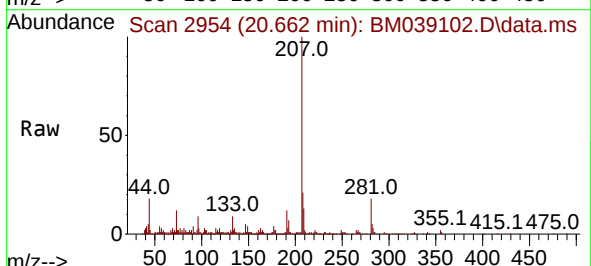
Tgt Ion:149 Resp: 3819

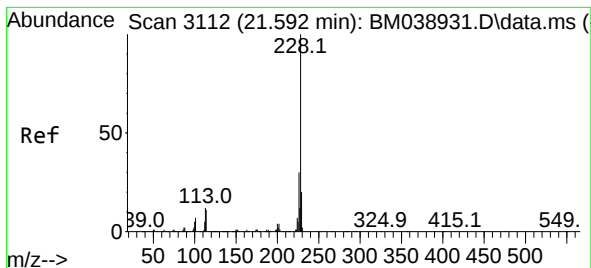
Ion Ratio Lower Upper

149 100

91 94.1 58.4 87.6#

206 24.3 16.1 24.1#





#83

Chrysene

Concen: 3.032 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

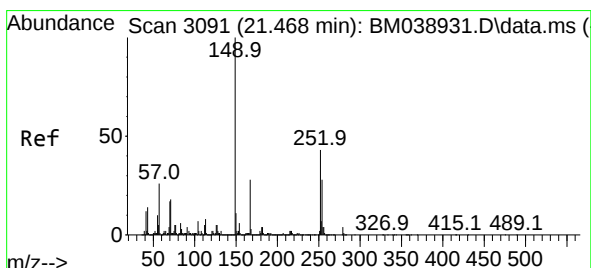
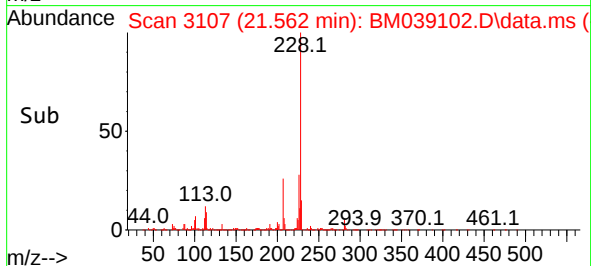
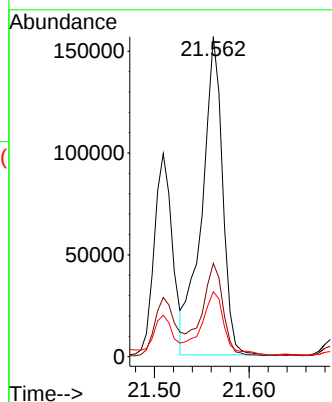
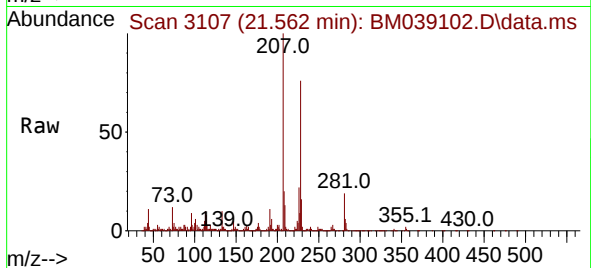
Tgt Ion:228 Resp: 236527

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 20.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.783 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

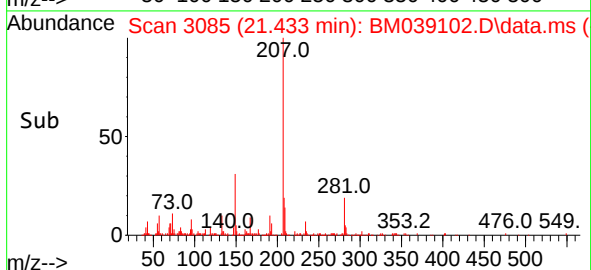
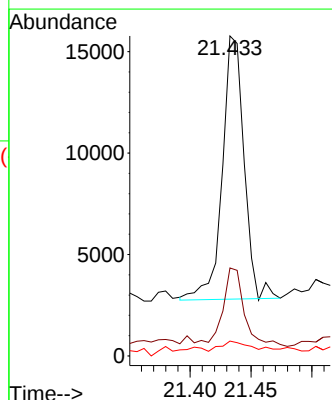
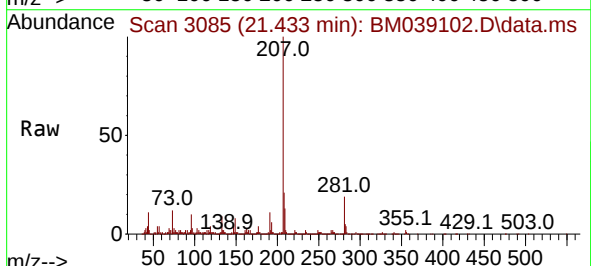
Tgt Ion:149 Resp: 16162

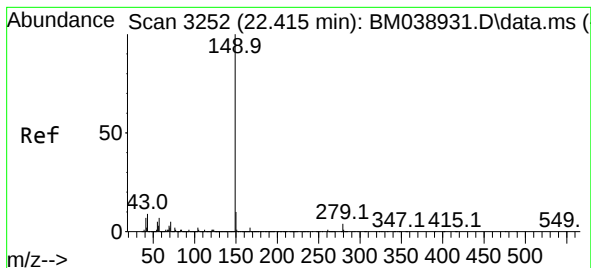
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 4.6 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 3.813 ng

RT: 22.368 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

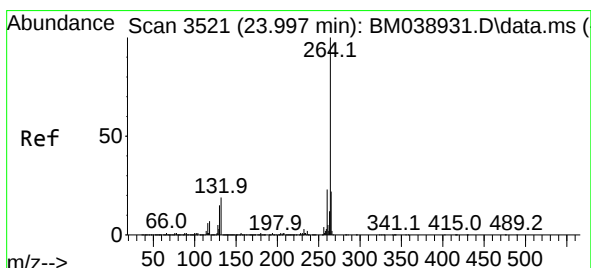
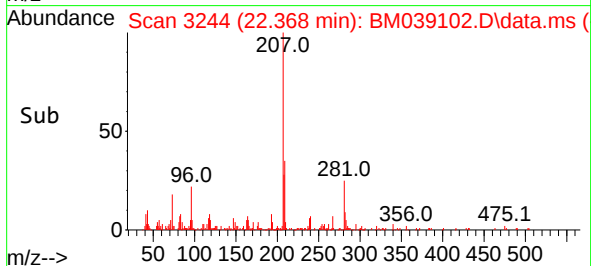
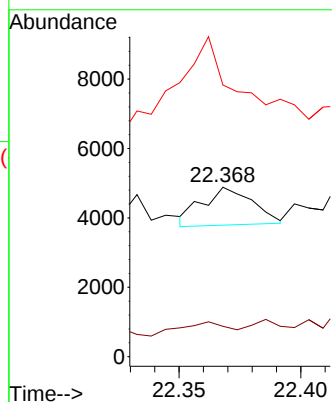
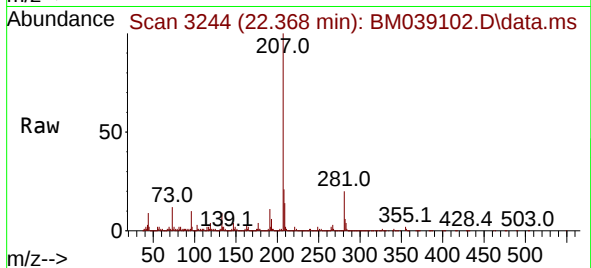
Tgt Ion:149 Resp: 1569

Ion Ratio Lower Upper

149 100

167 35.9 1.2 1.8#

43 343.7 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

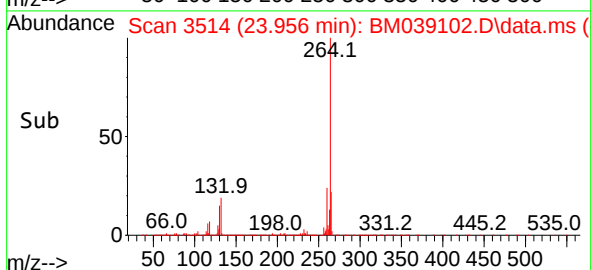
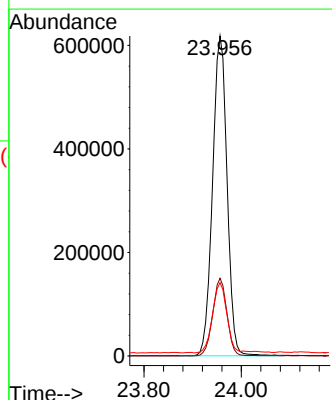
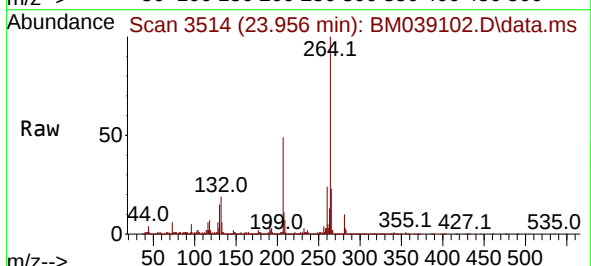
Tgt Ion:264 Resp: 1272859

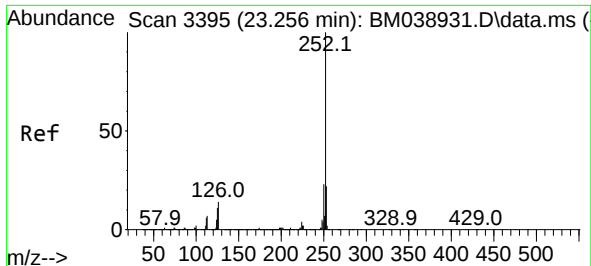
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.9 17.9 26.9

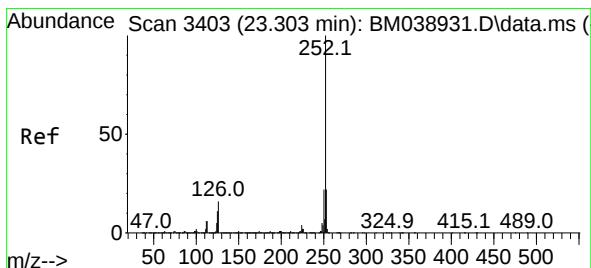
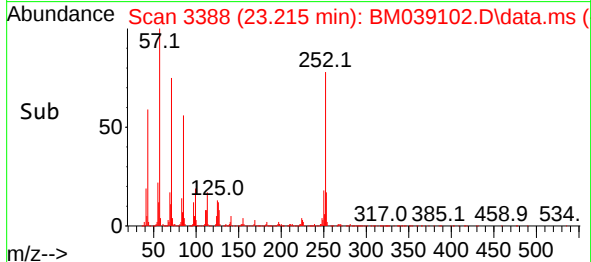
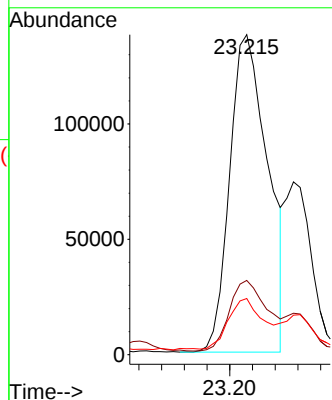
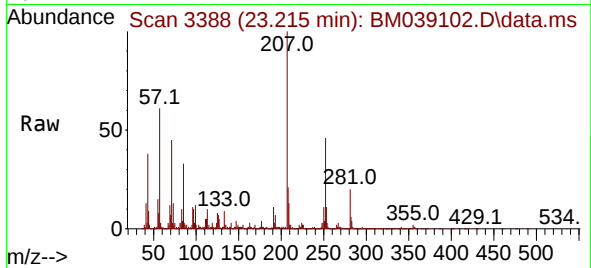




#88
Benzo(b)fluoranthene
Concen: 3.947 ng
RT: 23.215 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

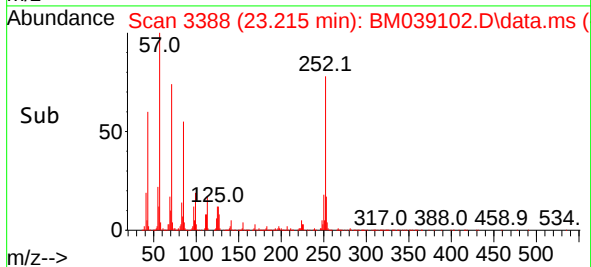
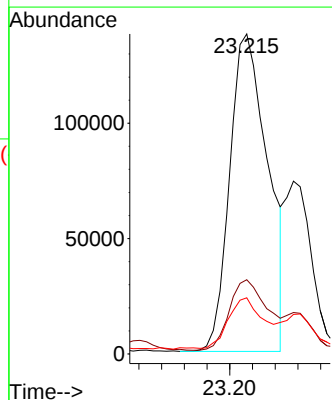
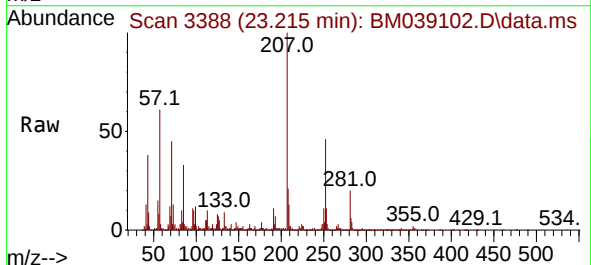
Instrument :
BNA_M
ClientSampleId :
SP-2

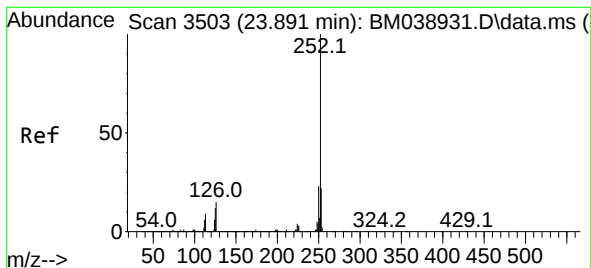
Tgt Ion:252 Resp: 320978
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 17.6 8.8 13.2#



#89
Benzo(k)fluoranthene
Concen: 3.793 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.053 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:252 Resp: 320978
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 17.6 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 2.201 ng

RT: 23.844 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM039102.D

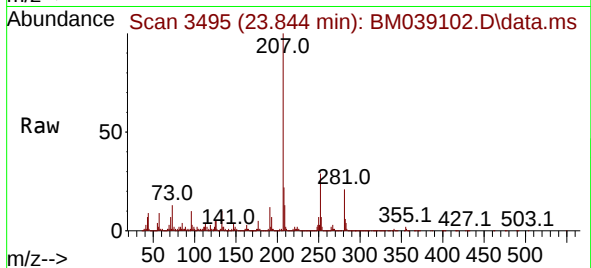
Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2



Tgt Ion:252 Resp: 172226

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 15.8 9.8 14.8#

